Appendix H:
Hydrology and Water Quality Supporting Information

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H.1 - Preliminary Hydrology Study

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January 2022

PRELIMINARY HYDROLOGY STUDY

Tract Map 37074

Rio Vista

County of Riverside

Prepared For:

RICHLAND COMMUNITIES

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WO#: 3763-6-HydroStudy-RioVista TM37075West-PI

PRELIMINARY

HYDROLOGY STUDY

For

TTM# 37074,

Rio Vista

County of Riverside

PREPARED BY: *Naila Brown*

PREPARED UNDER THE SUPERVISION OF:

_____

Mohammed Rowther, R.C.E. 37127, Exp. 6/30/22 Date:

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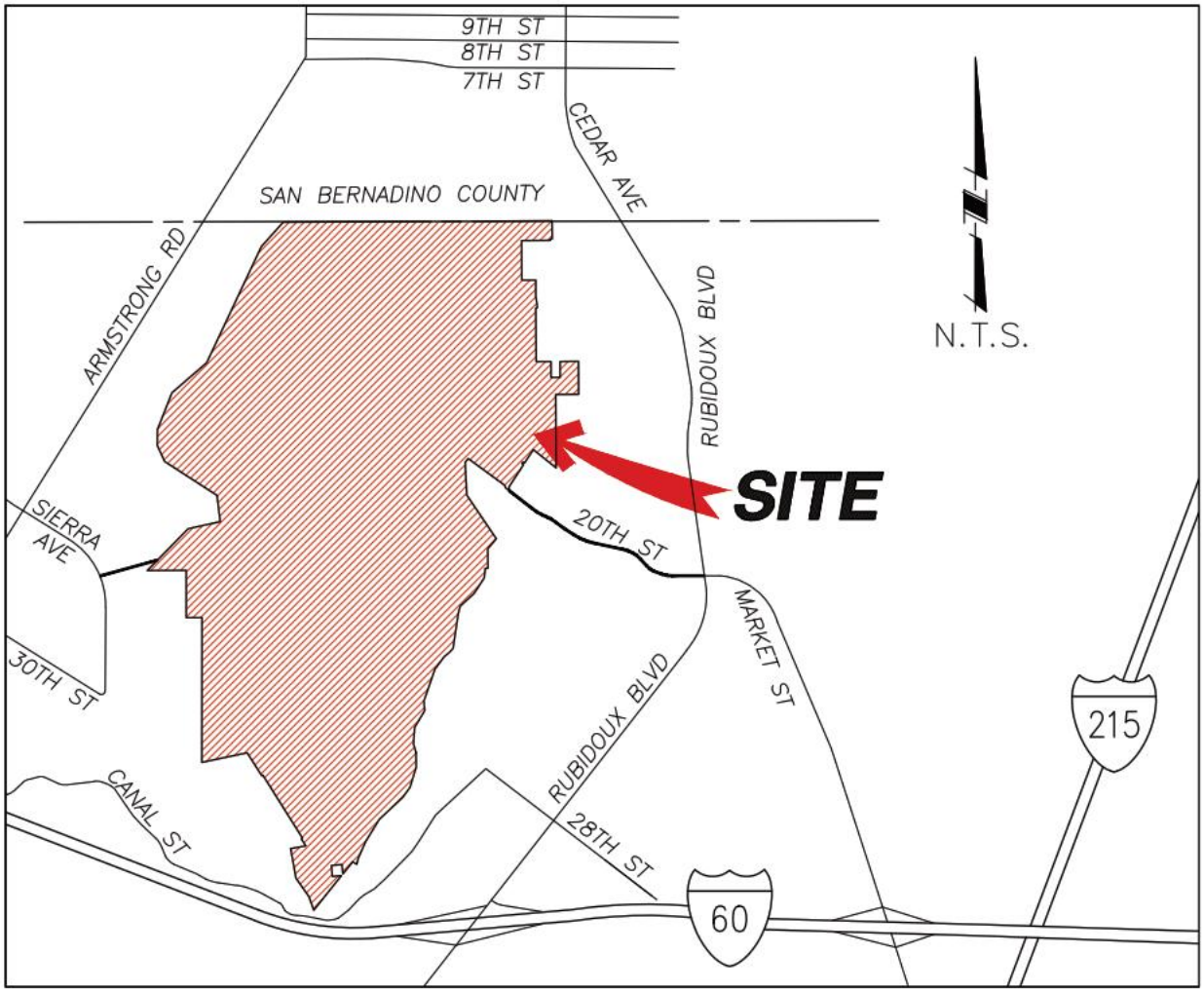
SECTION 1
INTRODUCTION

A. PROJECT LOCATION

The Rio Vista project (Project) is located in the City of Jurupa Valley, County of Riverside. The Project site is bounded by the Riverside/San Bernardino County line to the north, Armstrong Road to the west, Rubidoux Blvd. /Cedar Avenue to the East, and the SR-60 Freeway to the south. (See attached vicinity map, below).

B. VICINTIY MAP



C. BACKGROUND

The Rio Vista project (Tentative Tract Map 37074) subdivides approximately 917.3 acres into approximately 204.4 acres of Residential land use, approximately 58.3 acres of Light Industrial land use, approximately 82 acres of Business Park, approximately 43.4 acres of Public Facilities and Circulation, and approximately 529.2 acres of Natural Open Space, Parks and Trails**.**

D. STUDY PURPOSE

The purpose of this drainage study is to investigate and evaluate post-project impacts to downstream properties and existing drainage facilities, and to develop preliminary sizing of on-site drainage basins provide flood protection from 100-year frequency storm events.

The scope of this study is to:

a. Review available documentation to establish available capacity in the existing off-site downstream storm drain facilities to accept the amount of on-site runoff.
b. Evaluate the storm runoffs for 2, 10, and 100-year storm events for 1, 3, 6 and 24-hours durations for proposed conditions.
c. Determine preliminary sizing of detention basins needed to mitigate water quality, hydromodification impact, and increased runoff for 2, 10 and 100-year storm events for 1, 3, 6 and 24hrs durations.
d. Develop preliminary layout of the proposed storm drain conduits and catch basin inlets

E. DRAINAGE

The site lies along a ridge and its topography naturally drains in two directions. Storm flows generated in approximately 416 acres lying to the west of the ridge are tributary to the RCFC&WCD's Sunnyslope Channel, while storm flows generated in approximately 225.4 acres lying to the east of the ridge are tributary to the existing Belltown Market Street Storm Drain, *as shown in* ***Exhibit A***.

POC#1

TO SUNNYSLOPE STORM CHANNEL
AREA=± 416AC

TO MARKET STREET STORM DRAIN
AREA=± 225.4AC

LEGEND

POC	POINT OF CONNECTION
CFS	CUBIC FEET PER SECOND
RCP	REINFORCED CONCRETE PIPE
ST.	STREET
BLVD	BOULEVARD
EX.	EXISTING

54 RCP EXISTING PIPE
CAPACITY $Q100_{DESIGN}$ =305 CFS
PER PARAMOUNT ESTATES MDP
LATERAL A, A-2, SHEET 7 OF 24

TR31894

POC#2

POC#3

JOIN 36 RCP EXISTING PIPE
CAPACITY $Q100_{DESIGN}$ =55.9 CFS
PER STORM DRAIN IMPROVEMENT
PLAN TRACT 31894 & 37470
SHEET 3B OF 21

20TH ST.

PROPOSED OFFSITE STORM DRAIN

EX.84"RCP LINE B

POC#5

EX.84"RCP LINE B

20TH ST.

PROPOSED STORM DRAIN
TO EXISTING 84"RCP AT INTERSECTION
OF AVALON AND 20TH STREET.
PER BELLTOWN MARKET STREET STORM
DRAIN, LINE B-STAGE 1

EX.72" RCP LINE B1

AVALON ST.

RUBIDOUX BLVD

RUBIDOUX BLVD

POC#4

JOIN 54 RCP EXISTING PIPE
CAPACITY $Q100_{DESIGN}$ =247 CFS
PER STORM DRAIN IMPROVEMENT
PLAN TRACT 31894
SHEET 20 OF 24

TR31894

SCALE: NTS

EXHIBIT A
POC AND TRIBUTARY AREA MAP
FOR TTM 37074
RIO VISTA
CITY OF JURUPA VALLEY, CA

PREPARED FOR/OWNER:

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PLOTTED BY: Naila Brown DATE: Jan. 18, 2022 09:10:16 AM FILE: F:\0749\Engineering\SY_Hydrology\Exh_Hydrology\Proposed Drainage Area POC Exhibit A.dwg

The proposed project will have five (5) points of connections (POCs) to existing downstream storm drains or watercourses; with, 4 POCs (POC#1, POC#2, POC#3 and POC#4) conveying flows from the westerly drainage area, and POC#5 conveying flows from the easterly drainage area. The proposed project will need to limit 100-year storm discharges to the POCs to less than the available capacities of the existing drainage facilities.

F. METHODOLOGY

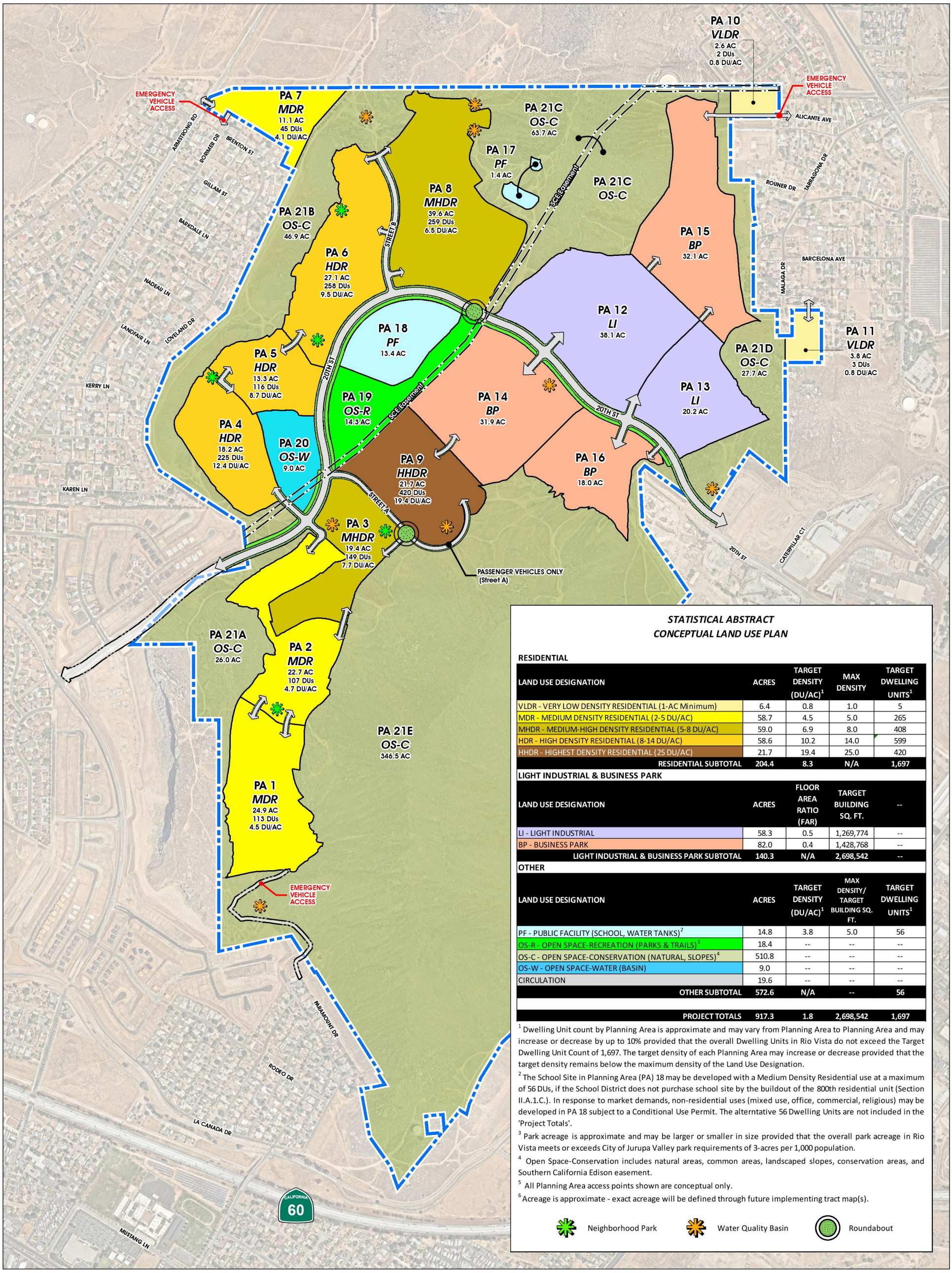
The Drainage Study for this project was conducted as follows:

a. Rational Method hydrology was performed for existing and proposed condition. Proposed land use is based on ¼ and ½ acre lot for developed residential areas. Proposed land use for hillside was selected as open brush poor cover and for Light Industrial and Business Park was Commercial with 90% Imperviousness. Soils were based on soils map for Fontana and as attached in reference section.
b. Unit Hydrographs were performed as follows;
    - To meet County's Hydromodification criteria, existing and proposed condition unit hydrographs were compare for 2-year 24-hr storm, and outflows from all Detention Basins "A" to "I" was limited to 110 percent of the pre-project condition flows.
c. Basin Routing was performed to mitigate outflows from the proposed project site to meet the downstream constraints.

G. LAND USE AREAS

Land use for the proposed development are based on Rio Vista Specific Plan Land Use plan dated August 5, 2021 as shown in ***Exhibit B.***

RIOVISTA



STATISTICAL ABSTRACT
CONCEPTUAL LAND USE PLAN

RESIDENTIAL

LAND USE DESIGNATION	ACRES	TARGET DENSITY (DU/AC)[1]	MAX DENSITY	TARGET DWELLING UNITS[1]
VLDR - VERY LOW DENSITY RESIDENTIAL (1-AC Minimum)	6.4	0.8	1.0	5
MDR - MEDIUM DENSITY RESIDENTIAL (2-5 DU/AC)	58.7	4.5	5.0	265
MHDR - MEDIUM-HIGH DENSITY RESIDENTIAL (5-8 DU/AC)	59.0	6.9	8.0	408
HDR - HIGH DENSITY RESIDENTIAL (8-14 DU/AC)	58.6	10.2	14.0	599
HHDR - HIGHEST DENSITY RESIDENTIAL (25 DU/AC)	21.7	19.4	25.0	420
RESIDENTIAL SUBTOTAL	**204.4**	**8.3**	**N/A**	**1,697**

LIGHT INDUSTRIAL & BUSINESS PARK

LAND USE DESIGNATION	ACRES	FLOOR AREA RATIO (FAR)	TARGET BUILDING SQ. FT.	--
LI - LIGHT INDUSTRIAL	58.3	0.5	1,269,774	--
BP - BUSINESS PARK	82.0	0.4	1,428,768	--
LIGHT INDUSTRIAL & BUSINESS PARK SUBTOTAL	**140.3**	**N/A**	**2,698,542**	**--**

OTHER

LAND USE DESIGNATION	ACRES	TARGET DENSITY (DU/AC)[1]	MAX DENSITY / TARGET BUILDING SQ. FT.	TARGET DWELLING UNITS[1]
PF - PUBLIC FACILITY (SCHOOL, WATER TANKS)[2]	14.8	3.8	5.0	56
OS-R - OPEN SPACE-RECREATION (PARKS & TRAILS)[3]	18.4	--	--	--
OS-C - OPEN SPACE-CONSERVATION (NATURAL, SLOPES)[4]	510.8	--	--	--
OS-W - OPEN SPACE-WATER (BASIN)	9.0	--	--	--
CIRCULATION	19.6	--	--	--
OTHER SUBTOTAL	**572.6**	**N/A**	**--**	**56**
PROJECT TOTALS	**917.3**	**1.8**	**2,698,542**	**1,697**

[1] Dwelling Unit count by Planning Area is approximate and may vary from Planning Area to Planning Area and may increase or decrease by up to 10% provided that the overall Dwelling Units in Rio Vista do not exceed the Target Dwelling Unit Count of 1,697. The target density of each Planning Area may increase or decrease provided that the target density remains below the maximum density of the Land Use Designation.

[2] The School Site in Planning Area (PA) 18 may be developed with a Medium Density Residential use at a maximum of 56 DUs, if the School District does not purchase school site by the buildout of the 800th residential unit (Section II.A.1.C.). In response to market demands, non-residential uses (mixed use, office, commercial, religious) may be developed in PA 18 subject to a Conditional Use Permit. The alterntative 56 Dwelling Units are not included in the 'Project Totals'.

[3] Park acreage is approximate and may be larger or smaller in size provided that the overall park acreage in Rio Vista meets or exceeds City of Jurupa Valley park requirements of 3-acres per 1,000 population.

[4] Open Space-Conservation includes natural areas, common areas, landscaped slopes, conservation areas, and Southern California Edison easement.

[5] All Planning Area access points shown are conceptual only.

[6] Acreage is approximate - exact acreage will be defined through future implementing tract map(s).

Neighborhood Park Water Quality Basin Roundabout

Source(s): Nearmap Imagery (2020), RCTLMA (2020)
Composite: Hunsaker and Associates (07-22-2021)

EXHIBIT B

0 225 450 900 Feet

Rio Vista Specific Plan Land Use Plan

SP 16001

Job #: 471-004
Date: August 5, 2021

H. EXISTING FACILITIES

There are no drainage improvements within the project area. A series of natural watercourses convey storm flows from the project site to the existing termini of existing off-site storm drains tributary to Sunnyslope Channel and to Market Street Storm Drain, as shown in ***Exhibit C.***

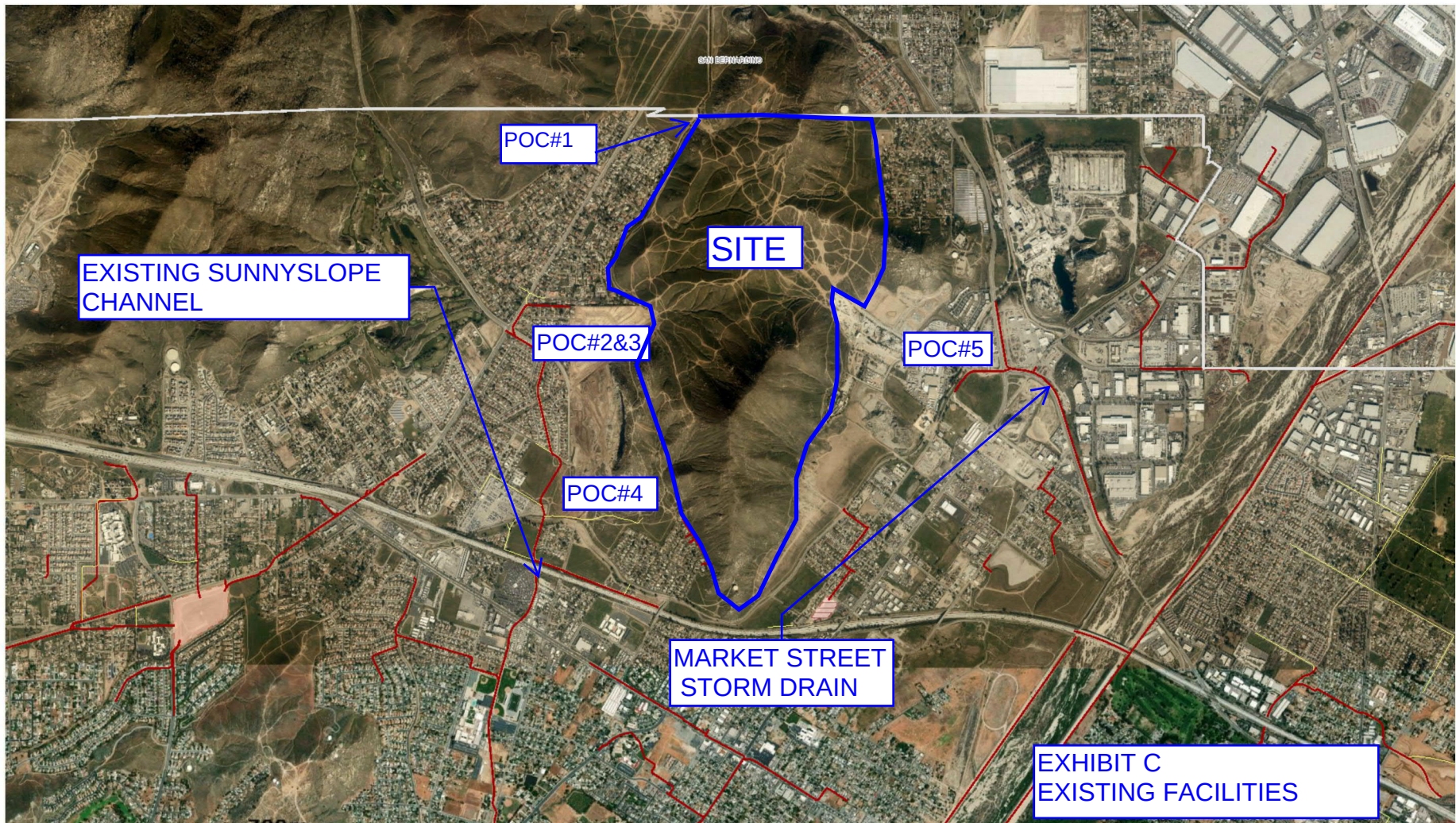
I. PROPOSED FACILITIES

The proposed storm drain infrastructure will include a total of twelve (12) drainage basins (detention basins, debris basins and water quality basins) designed to mitigate to address storm runoff flow rates, water treatment and hydromodification requirements for the Project. Drainage areas tributary to each drainage basin are shown in ***Exhibit D***.

Preliminary layout of proposed storm drains, drainage basins, tributary drainage areas, and POCs are shown in ***Exhibit E.*** Drainage areas tributary to each basin, and peak flows tributary to each POC under post-project conditions are summarized below:

- ***Drainage areas A to POC#1.***

  Under existing conditions Drainage Area "A" is approximately of 53.70 acres, comprised of 33.6 acres of onsite and 17.9 acres of off-site areas, generating flows of approximately 169.0 cfs during 100-year storms. Flows from this area are tributary to a natural watercourse as it exits the project site. During post-project conditions this areas will decrease to 51.5 acres and generate 100-year storm flows of approximately 146.9 cfs. Drainage area A is routed through a proposed Basin A, with a peak outflow of 139.8 cfs draining to the natural watercourse at POC#1.


POC#1
SITE
EXISTING SUNNYSLOPE CHANNEL
POC#2&3
POC#5
POC#4
MARKET STREET STORM DRAIN
EXHIBIT C
EXISTING FACILITIES

DRAINAGE AREA A
TO BASIN A
$\Sigma Q_{100\ (EXIST)}$ =169.0cfs
$\Sigma Q_{100\ PRO}$ =146.91cfs
$Q_{PEAK-OUT}$=139.81CFS
AREA=51.48AC
EXIST AREA=53.70 AC

BASIN A

DRAINAGE AREA B
TO BASIN B
ΣQ_{100}=261.7cfs
$Q_{PEAK-OUT}$=99.5CFS
AREA=134.0AC

BASIN B

AREA H TO BASIN G
$\Sigma Q_{100\ PRO}$=72.5cfs
$Q_{PEAK-OUT}$=16.6CFS
AREA=22.4AC

BASIN G

AREA H TO BASIN F
$\Sigma Q_{100\ PRO}$=54.7cfs
$Q_{PEAK-OUT}$=9.9CFS
AREA=16.7AC

BASIN F

AREA H TO BASIN H
$\Sigma Q_{100\ PRO}$=209.1cfs
$Q_{PEAK-OUT}$=60.8CFS
AREA=81.8AC

BASIN H

DRAINAGE AREA C
TO BASIN C
ΣQ_{100} =116.5cfs
$Q_{PEAK-OUT}$=76.9CFS
AREA=47.2AC

BASIN C

BASIN I

FLOWBY BASIN J
$Q_{PEAK-OUT}$=83.7CFS
AREA=211.8AC

BASIN J

54 RCP EXISTING PIPE
CAPACITY $Q100_{DESIGN}$ =305 CFS
PER PARAMOUNT ESTATES MDP
LATERAL A, A-2
SHEET 7 OF 24

TR31894

PROPOSED
STORM DRAIN

BASIN C

BASIN D

AREA H TO BASIN I
$\Sigma Q_{100\ PRO}$ =73.6cfs
$Q_{PEAK-OUT}$=13.5CFS
AREA=20.3AC

20TH ST.

PROPOSED OFFSITE
STORM DRAIN

RUBIDOUX BLVD

JOIN EX.84"RCP
LINE B

EX.84"RCP
LINE B

20TH ST.

AVALON ST.

EX.72" RCP
LINE B1

RUBIDOUX BLVD

JOIN 36 RCP EXISTING PIPE
CAPACITY $Q100_{DESIGN}$ =55.9 CFS
PER STORM DRAIN IMPROVEMENT
PLAN TRACT 31894 & 37470
SHEET 3B OF 21

DRAINAGE AREA D
TO BASIN D
$\Sigma Q_{100\ PRO}$ =56.1cfs
$Q_{PEAK-OUT}$=14.0CFS
AREA=21.1AC

PROPOSED STORM DRAIN
TO EXISTING 84"RCP AT INTERSECTION
OF AVALON AND 20TH STREET.
PER BELLTOWN MARKET STREET STORM DRAIN
LINE B-STAGE 1

DRAINAGE AREA E
TO BASIN E
$\Sigma Q_{100\ PRO}$ =148.8cfs
$Q_{PEAK-OUT}$=80.6CFS
AREA=51.4AC

BASIN E

JOIN 54 RCP EXISTING PIPE
CAPACITY $Q100_{DESIGN}$ =247 CFS
PER STORM DRAIN IMPROVEMENT
PLAN TRACT 31894
SHEET 20 OF 24

TR31894

LEGEND

- MAJOR DRAINAGE BOUNDARY
- PROJECT BOUNDARY
- EXISTING STORM DRAIN
- PROPOED STORM DRAIN
- PROPOED STORM DRAIN- BYPASSING BASINS (NATURAL AREAS)
- SURFACE FLOW
- BASINS
- DEBRIS BASINS

$\Sigma Q_{100\ PRO}$ =261.7cfs — PEAK RATIONAL INFLOW
$Q_{PEAK-OUT}$=99.5CFS — PEAK OUTFLOW
AREA=134.0AC — AREA CONTRIBUTING FLOWS TO BASIN

SCALE: NTS

EXHIBIT E
PROPOSED DRAINAGE FACILITIES
FOR TTM 37074
RIO VISTA
CITY OF JURUPA VALLEY, CA

PREPARED FOR/OWNER:

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PLOTTED BY: Naila Brown DATE: Jan. 18, 2022 10:20:42 AM FILE: F:\0749\Engineering\SY_Hydrology\Exh_Hydrology\Proposed Drainage Facilities Exhibit E.dwg

- ***Drainage Areas B, C and D To POC#2 &3***

  All the area included in Drainage Areas "B", "C" and "D" will drain to Basins B, C and D for detention and treatment. Flows from areas that are left to its natural state (open space) will bypass the basins. Post-project flows at Exit Node 17 *(See Proposed hydrology map)* is approximately 350.1 cfs for 100-year storm. Flows will be conveyed by proposed storm drain pipe to existing off-site 54" and 36" storm drains at POC#2 and POC#3. As-built design capacities of existing storm drain conduits at these two POCs are 305 cfs and 55.9 cfs, respectively.

- ***Drainage Areas E to POC#4.***

  Under existing condition, drainage area "E" is approximately of 93.70 acres, and generates flows of approximately 253.2 cfs. During proposed condition this area will increase to approximately 96.4 acres and generate flows of approximately 289.8 cfs. The allowable as-built design capacity in the existing 54" RCP at POC#4 is 247.0 cfs for 100-year storm. The proposed detention and water quality Basin E, will reduce the outflow to approximately 221.9cfs.

- ***Drainage Areas H and Offsite study to POC#5***

  A preliminary drainage study of off-site area (d/s of the Project) tributary to POC#5 was performed as shown in ***Exhibit F***. Under proposed conditions total un-detained 100-year storm flows exiting the Project (Node 508) is approximately 556.2 cfs, and at POC#5 (Node 510) is approximately 1,028.4 cfs. Since the total allowable flow at POC#5 is 604 cfs, storm flows from drainage area H will go through numbers of detention basins in series (Basins F, G, H, I & J) before connecting to the existing 84" RCP storm drain at intersection of Avalon Street and 20TH Street (Node 510). The resulting detained flows will be reduced to approximately 580 cfs.

TR31894

TR31894

509.1

509.2

508

510.1

510.2

509

510

510.11

510.12

510.13

510.14

H 11.43

H 31.10

H 4.29

H 16.97

H 46.66

H 8.57

H 77.94

ΣQ_{100} =556.2cfs
Tc=17.1
AREA=225.4AC
ΣQDET=103.10cfs

20TH ST.

PROPOSED OFFSITE STORM DRAIN

ΣQ_{100} =1028.4cfs
ΣQDET=± 604cfs
AREA=422.32AC

JOIN EX.84"RCP LINE B

EX.84"RCP LINE B

20TH ST.

EX.72" RCP LINE B1

AVALON ST.

RUBIDOUX BLVD

24TH ST.

SCHOOL SITE

PARK

LINEAR PARK

LEGEND

- MAJOR DRAINAGE BOUNDARY
- MINOR DRAINAGE BOUNDARY
- PROJECT BOUNDARY
- EXISTING STORM DRAIN
- PROPOED STORM DRAIN

SCALE: NTS

EXHIBIT F
OFFSITE DRAINAGE
RIO VISTA
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PLOTTED BY: Naila Brown DATE: Jan. 11, 2022 03:41:38 PM FILE: F:\0749\Engineering\SY_Hydrology\Exh_Hydrology\Proposed Drainage Area and Offsite Exhibit F.dwg

Detention basins for proposed site are a key component in storm water mitigation and site BMPs. Peak flow rates generated in all the Drainage Areas for un-detained and detained conditions are summarized in Table 1 & Table 2.

Debris Production Calculations

The U.S. Army Corps of Engineers, Los Angeles District Debris Method was selected to determine the sediment yield for the study watershed. See Table.3 and Basin volumes Tables 4 and 5

J. CONCLUSION

The proposed storm drain facilities will mitigate post-development flows to meet the as-built capacities of the existing downstream storm drain facilities.

The proposed basins will also mitigate water quality impact, and County's Hydromodification criteria by limiting post-project discharge from the proposed site to no more than 110 percent of the pre-project flows for 2-year, 24-hours storm events.

BASIN STUDY SUMMARY
RIO VISTA
JURUPA VALLEY, CA
TRIBUTARY TO SUNNYSLOPE CHANNEL
TABLE 1. UNIT HYDROGRAPH AND BASIN ROUTING FLOW TABULATIONS

DRAINAGE AREA	OUTLET NODE	LAND USE	AREA (AC)		UNIT HYDROGRAPH PEAK FLOW RATE (CFS)								
					2-YR STORM(HMD)	10-YR STORM				100-YR STORM			
			PROP	EXIST	24 HOUR	1 HOUR	3 HOUR	6 HOUR	24 HOUR	1 HOUR	3 HOUR	6 HOUR	24 HOUR
BASIN A	111	EXISTING CONDITION		53.7	1.97	88.54	46.35	42.52	14.60	144.82	70.58	66.54	33.10
		PROPOSED CONDITION	51.5		3.69	104.63	49.77	48.75	13.10	169.5	75.46	75.36	30.94
		ROUTING OUTFLOW			** 2.10	92.62	46.46	44.96	12.91	139.81	71.89	70.39	30.88
BASIN B	14	EXISTING CONDITION		134	4.82								
		PROPOSED	134		23.53	238.38	144.78	138.53	64.3	370.91	203.95	198.36	110.25
		ROUTING OUTFLOW			** 5.25	4.65	5.54	66.67	59.17	21.03	98.10	161.58	104.03
BASIN C	47	EXISTING CONDITION		47.22	2.95								
		PROPOSED CONDITION	47.22		6.10	86.53	48.32	45.65	19.0	142.43	75.39	72.81	40.1
		ROUTING OUTFLOW			** 3.13	3.94	14.21	40.31	18.59	76.88	68.02	68.48	39.7
BASIN D	203	EXISTING CONDITION		21.11	0.77								
		PROPOSED CONDITION	21.11		3.63	41.31	23.28	23.02	8.68	67.43	35.80	35.96	18.02
		ROUTING OUTFLOW			** 0.81	0.73	0.82	3.14	5.44	3.33	9.61	14.01	13.11
BASIN E	67	EXISTING CONDITION		71.82	4.91								
		PROPOSED CONDITION	51.43		5.96	83.05	47.26	46.56	14.32	136.03	71.49	71.76	32.17
		ROUTING OUTFLOW			** 2.78	7.52	12.36	31.26	10.83	80.57	61.97	63.28	32.01

NOTES:
HMD= HYDROMODIFICATION CRITERIA
** OUTFLOWS NOT MORE THAN 110% OF EXISTING 2YR-24HRS UNIT HYDROGRAPH

BASIN STUDY SUMMARY
RIO VISTA
JURUPA VALLEY, CA
TRIBUTARY TO MARKET STREET STORM DRAIN
TABLE 2. UNIT HYDROGRAPH AND BASIN ROUTING FLOW TABULATIONS

DRAINAGE AREA	OUTLET NODE	LAND USE	AREA (AC)		UNIT HYDROGRAPH PEAK FLOW RATE (CFS)								
					2-YR STORM(HMD)	10-YR STORM				100-YR STORM			
			PROP	EXIST	24 HOUR	1 HOUR	3 HOUR	6 HOUR	24 HOUR	1 HOUR	3 HOUR	6 HOUR	24 HOUR
BASIN F	504.2	EXISTING CONDITION		16.69	0.88								
		PROPOSED CONDITION	16.69		4.68	37.91	20.15	19.82	7.75	58.92	28.78	28.45	13.48
		ROUTING OUTFLOW			** 0.95	0.68	0.84	0.98	2.20	0.85	0.98	2.01	9.87
BASIN G	504.6	EXISTING CONDITION		22.43	0.95								
		PROPOSED	22.43		6.24	45.93	26.33	26.03	10.49	71.49	37.17	37.32	18.28
		ROUTING OUTFLOW			0.78	0.55	0.68	0.78	7.44	0.68	0.78	8.10	16.59
BASIN H	506.4	EXISTING CONDITION		81.84	2.90								
		PROPOSED CONDITION	81.84		22.95	156.22	89.97	85.38	38.24	243.35	127.16	122.85	66.46
		ROUTING OUTFLOW			** 3.10	1.74	2.43	2.98	27.35	2.41	2.94	19.29	60.85
BASIN I	507.43	EXISTING CONDITION		20.28	0.79								
		PROPOSED CONDITION	20.28		5.28	44.50	23.90	23.44	8.93	69.47	33.98	33.86	15.97
		ROUTING OUTFLOW			** 0.80	0.50	0.67	0.86	5.42	0.68	0.86	3.00	13.49
BASIN J-FLOWBY	508.1	PROPOSED CONDITION	***211.80 AC			414.59	246.45	232.05	112.04	637.82	342.29	327.33	185.06
		FLOWBY				70	70	70	70	70	70	70	70
		MANUAL UNIT HYDROGRAPH - 70CFS				344.59	176.45	162.05	42.04	567.82	272.29	257.33	115.06
		ROUTING OUTFLOW				5.65	5.56	5.97	4.09	31.9	22.59	83.74	63.18

NOTES:
HMD= HYDROMODIFICATION CRITERIA
** OUTFLOWS NOT MORE THAN 110% OF EXISTING 2YR-24HRS UNIT HYDROGRAPH
*** OVERALL UNIT HYDROGRAPH AT NODE 508.1 FOR FLOWBY TO BASIN J

DESIGN PROCEDURE FOR PREDICTION OF DEBRIS YIELD

Spreadsheet Based on U.S. Army Corps of Engineers Los Angeles District Method for Prediction of Debris Yield

Designer: N. BROWN
Project: Tract 37074
Drainage Areas "A" at Nodes 103.2 & 105.2 (10-Year Storm)
Location: City of Jurupa Valley, County of Riverside
Date: 1/10/2022

Table. 3

Location Node No.	1-hour Precipitation P inches X 100	Drainage Area A acres	Highest Elevation (1) ft	Lowest Elevation (2) ft	Length Longest Water Course (3) mi	Relief Ratio RR [(1)-(2)]/(3) ft/mi	Fire Factor FF	Adjustment Transposition Factor A-T	Log Dy	Total Debris Yield Dy yd^3/mi^2	Total Debris Yield yd^3	Total Debris Yield ac-ft	BULKING FACTOR
BASIN X at 103.2	86	4.80	1585	1283.1	0.18	1696	6.5	1	4.162	14531	109	0.07	1.12
BASIN Y at 105.2	86	14.70	1560	1273.1	0.19	1508	6.5	1	4.218	16523	380	0.24	1.14

Log Dy = 0.65 (Log P) + 0.62 (Log RR) + 0.18 (Log RR) + 0.12 (FF)

Where:

Dy= Unit Debris Yield (yd^3/mi^2)
P= Maximum 1-Hour Precipitation (inches, taken to two places after the decimal point, times 100)
RR= Relief Ration (ft/mi)
A= Drainage Area (ac)
FF= None-Dimensional Fire Factor

BULKING FACTOR = 1.0+D/120,000

RIO VISTA DEVELOPMENT, TR 37074
DEBRIS BASIN X AT NODE 103.2, DRAINAGE AREA =4.8AC

STORAGE CAPACITY CALCULATION

Table. 4

Elevation (ft)	**Contour Interval** (ft)	**Accumulate Depth** (ft)	**Area** (sqft)	(acres)	**Mean Area** (acres)	**Volume** (ac-ft)	**Volume$_{accumulat}$** (ac-ft)	(cu-yd)
1283.00			2147	0.05			**0.0**	0.0
1284.00	1.00	**1.00**	2591	0.06	0.05	0.05	**0.05**	87.74
1285.00	1.00	**2.00**	3060	0.07	0.06	0.06	**0.12**	192.39
1286.00	1.00	**3.00**	3555	0.08	0.08	0.08	**0.20**	314.89
1287.00	1.00	**4.00**	4076	0.09	0.09	0.09	**0.28**	456.20
SPILLWAY 1288.00	**1.00**	**5.00**	**4621**	**0.11**	**0.10**	**0.10**	**0.38**	**617.26**

RIO VISTA DEVELOPMENT, TR 37074
DEBRIS BASIN Y AT NODE 105.2, DRAINAGE AREA =14.7AC

STORAGE CAPACITY CALCULATION

Table. 5

Elevation (ft)	Contour Interval (ft)	Accumulate Depth (ft)	Area (sqft)	(acres)	Mean Area (acres)	Volume (ac-ft)	$Volume_{accumulat}$ (ac-ft)	(cu-yd)
1273.00			4337	0.10			**0.0**	0.0
1274.00	1.00	**1.00**	4925	0.11	0.11	0.11	**0.11**	171.52
1275.00	1.00	**2.00**	5538	0.13	0.12	0.12	**0.23**	365.28
1276.00	1.00	**3.00**	6176	0.14	0.13	0.13	**0.36**	582.20
1277.00	1.00	**4.00**	6839	0.16	0.15	0.15	**0.51**	823.22
SPILLWAY 1278.00	1.00	**5.00**	20122	0.46	0.31	0.31	**0.82**	1322.50

SECTION 2

EXISTING HYDROLOGY
DRAINAGE AREA A

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
Rational Hydrology Study Date: 12/16/21 File:RVEXA.out

********* Hydrology Study Control Information **********

English (in-lb) Units used in input data file

Program License Serial Number 6406

EXISTING HYDROLOGY STUDY, DRAINAGE AREA A TO BAISN A
100 YEAR STORM, TTM#37074, RIO VISTA DEVELOPMENT

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation = 0.550(In.)
100 year, 1 hour precipitation = 1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.300(In/Hr)
Slope of intensity duration curve = 0.5500

++
Process from Point/Station 100.000 to Point/Station 101.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 630.000(Ft.)
Top (of initial area) elevation = 1570.000(Ft.)
Bottom (of initial area) elevation = 1310.000(Ft.)
Difference in elevation = 260.000(Ft.)
Slope = 0.41270 s(percent)= 41.27
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 8.335 min.
Rainfall intensity = 3.850(In/Hr) for a 100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.874
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.510
Decimal fraction soil group C = 0.490
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3) = 92.15
Pervious area fraction = 1.000; Impervious fraction = 0.000
Initial subarea runoff = 23.895(CFS)
Total initial stream area = 7.100(Ac.)
Pervious area fraction = 1.000

++
Process from Point/Station 101.000 to Point/Station 102.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1310.000(Ft.)
End of natural channel elevation = 1110.000(Ft.)
Length of natural channel = 1404.000(Ft.)
Estimated mean flow rate at midpoint of channel = 102.313(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow = 18.04(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
Normal channel slope = 0.1425
Corrected/adjusted channel slope = 0.1425
Travel time = 1.30 min. TC = 9.63 min.

Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.876
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.300
Decimal fraction soil group C = 0.700
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3) = 93.16
Pervious area fraction = 1.000; Impervious fraction = 0.000
Rainfall intensity = 3.555(In/Hr) for a 100.0 year storm
Subarea runoff = 145.117(CFS) for 46.600(Ac.)
Total runoff = 169.012(CFS) Total area = 53.700(Ac.)
End of computations, total study area = 53.70 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number = 83.4

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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 12/16/21  File:RVEXA.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406
------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, DRAINAGE AREA A TO BAISN A
10 YEAR STORM, TTM#37074, RIO VISTA DEVELOPMENT
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =   10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.859(In/Hr)
Slope of intensity duration curve = 0.5500


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      100.000 to Point/Station      101.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   630.000(Ft.)
Top (of initial area) elevation =  1570.000(Ft.)
Bottom (of initial area) elevation =  1310.000(Ft.)
Difference in elevation =   260.000(Ft.)
Slope =    0.41270  s(percent)=      41.27
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.335 min.
Rainfall intensity =      2.543(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.807
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.510
Decimal fraction soil group C = 0.490
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  81.92
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     14.561(CFS)
Total initial stream area =        7.100(Ac.)
Pervious area fraction = 1.000

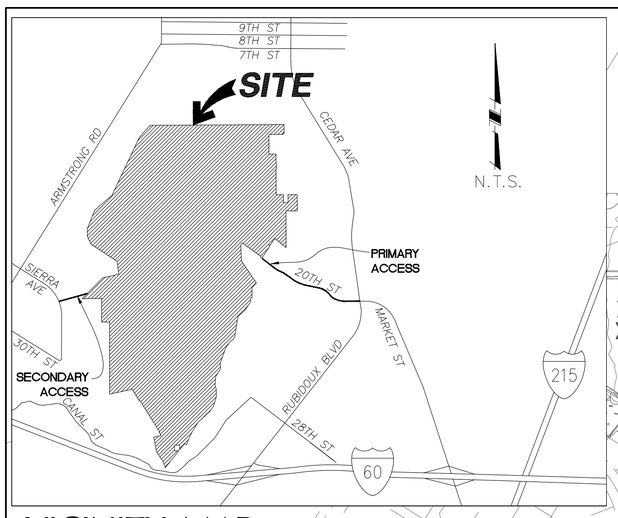
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      101.000 to Point/Station      102.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1310.000(Ft.)
End of natural channel elevation =   1110.000(Ft.)
Length of natural channel  =  1404.000(Ft.)
Estimated mean flow rate at midpoint of channel =     62.347(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  15.57(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1425
Corrected/adjusted channel slope =  0.1425
Travel time =    1.50 min.     TC =    9.84  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.809
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.300
Decimal fraction soil group C = 0.700
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  83.60
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.321(In/Hr) for a    10.0 year storm
Subarea runoff =     87.484(CFS) for     46.600(Ac.)
Total runoff =    102.046(CFS)    Total area =      53.700(Ac.)
End of computations, total study area =           53.70 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  83.4
```



VICINITY MAP

ΣQ_{10} =102.0cfs
ΣQ_{100} =169.0cfs
Tc=9.6, 1110.0EL.

AREA A
AREA B
AREA C
AREA D1
AREA D2
AREA E
AREA F
AREA G
AREA H
OUTFALL

EXISTING HYDROLOGY ANALYSIS SUMMARY–FOR REFERENCE ONLY

AREA		EXISTING STUDY (CFS)	
ID	ACRES	Q100–YEAR STORM	Q10–YEAR STORM
A	53.70	169.00	102.00
B	82.44	234.00	136.10
C	65.95	154.90	89.30
D1	115.42	334.10	202.70
D2	19.11	55.00	33.60
E	93.77	253.20	153.50
F	36.53	58.00	34.60
		56.50	34.50
G	67.67	194.20	116.80
H	136.80	352.50	210.60
TOTAL	671.3900		

SCALE: 1" = 300'

0 150 300 600

SCALE: 1" = 300'

LEGEND

- MAJOR DRAINAGE BOUNDARY
- MINOR DRAINAGE BOUNDARY
- PROJECT BOUNDARY
- 1 — NODE NUMBER
- A / 1.20 — AREA DESIGNATION / AREA ACREAGE
- Q_{100} =8.0cfs / t=15.0 — PEAK FLOW RATE / TIME OF CONCENTRATION
- ΣQ_{100} =8.0cfs / t=15.0 — PEAK CONFLUENCE FLOW RATE / TIME OF CONCENTRATION
- EXISTING STORM DRAIN
- B / C — SOIL GROUP

PREPARED FOR/OWNER:

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EXISTING DRAINAGE AREA MAP
FOR TTM 37074
RIO VISTA
CITY OF JURUPA VALLEY, CA

PLOTTED BY: Naila Brown DATE: Dec. 30, 2021 07:54:35 PM FILE: F:\0749\Engineering\SY_Hydrology\Exh_Hydrology\Rio Vista Overall Existing Drainage Area–Exhibit A.dwg

SECTION 3

PROPOSED HYDROLOGY

TRIBUTARY TO SUNNYSLOPE CHANNEL

DRAINAGE AREAS
A, B, C D AND E

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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
         Rational Hydrology Study        Date: 12/16/21  File:AREAA.out
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*********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file
------------------------------------------------------------------------
Program License Serial Number 6406

------------------------------------------------------------------------
PROPOSED HYDROLOGY STUDY, DRAINAGE AREA A TO BASIN A
100YR STORM, TTM#37074, RIO VISTA DEVELOPMENT
------------------------------------------------------------------------

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =  100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.300(In/Hr)
Slope of intensity duration curve = 0.5500


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      100.000 to Point/Station      101.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   520.000(Ft.)
Top (of initial area) elevation =  1415.000(Ft.)
Bottom (of initial area) elevation =  1293.500(Ft.)
Difference in elevation =   121.500(Ft.)
Slope =    0.23365  s(percent)=      23.37
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.649 min.
Rainfall intensity =      3.772(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.882
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.100
Decimal fraction soil group C = 0.420
Decimal fraction soil group D = 0.480
RI index for soil(AMC 3)  =  94.66
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      7.722(CFS)
Total initial stream area =        2.320(Ac.)
Pervious area fraction = 1.000

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      101.000 to Point/Station      102.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1293.500(Ft.)
Downstream point/station elevation =  1292.500(Ft.)
Pipe length  =   350.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     7.722(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =     7.722(CFS)
Normal flow depth in pipe =   15.75(In.)
Flow top width inside pipe =   18.19(In.)
Critical Depth =   12.35(In.)
Pipe flow velocity =      3.99(Ft/s)
Travel time through pipe =    1.46 min.
Time of concentration (TC) =    10.11 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      102.000 to Point/Station      102.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.838
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    10.11 min.
Rainfall intensity =      3.462(In/Hr) for a   100.0 year storm
Subarea runoff =      3.191(CFS) for      1.100(Ac.)
Total runoff =     10.913(CFS)    Total area =       3.420(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      102.000 to Point/Station      102.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.838
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    10.11 min.
Rainfall intensity =      3.462(In/Hr) for a   100.0 year storm
Subarea runoff =      4.119(CFS) for      1.420(Ac.)
Total runoff =     15.033(CFS)    Total area =       4.840(Ac.)
```

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      102.000 to Point/Station      103.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1292.500(Ft.)
Downstream point/station elevation =  1274.500(Ft.)
Pipe length  =   417.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    15.033(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    15.033(CFS)
Normal flow depth in pipe =   10.98(In.)
Flow top width inside pipe =   17.56(In.)
Critical Depth =   16.87(In.)
Pipe flow velocity =     13.32(Ft/s)
Travel time through pipe =    0.52 min.
Time of concentration (TC) =    10.63 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      103.000 to Point/Station      103.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      4.840(Ac.)
Runoff from this stream =     15.033(CFS)
Time of concentration =   10.63 min.
Rainfall intensity =     3.367(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      103.100 to Point/Station      103.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   940.000(Ft.)
Top (of initial area) elevation =  1585.000(Ft.)
Bottom (of initial area) elevation =  1280.000(Ft.)
Difference in elevation =   305.000(Ft.)
Slope =    0.32447  s(percent)=      32.45
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.263 min.
Rainfall intensity =      3.433(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.871
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.500
Decimal fraction soil group C = 0.500
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  92.20
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     14.360(CFS)
Total initial stream area =        4.800(Ac.)
Pervious area fraction = 1.000
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      103.200 to Point/Station      103.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1275.000(Ft.)
Downstream point/station elevation =  1274.500(Ft.)
Pipe length  =    53.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    14.360(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    14.360(CFS)
Normal flow depth in pipe =   16.08(In.)
Flow top width inside pipe =   17.79(In.)
Critical Depth =   16.88(In.)
Pipe flow velocity =      7.27(Ft/s)
Travel time through pipe =    0.12 min.
Time of concentration (TC) =    10.38 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      103.000 to Point/Station      103.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      4.800(Ac.)
Runoff from this stream =     14.360(CFS)
Time of concentration =   10.38 min.
Rainfall intensity =     3.411(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       15.033     10.63           3.367
2       14.360     10.38           3.411
Largest stream flow has longer time of concentration
Qp =     15.033 + sum of
           Qb         Ia/Ib
           14.360 *    0.987 =     14.175
Qp =     29.208

Total of 2 main streams to confluence:
Flow rates before confluence point:
      15.033      14.360
Area of streams before confluence:
        4.840        4.800


Results of confluence:
Total flow rate =     29.208(CFS)
Time of concentration =    10.632 min.
Effective stream area after confluence  =      9.640(Ac.)
```

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      103.000 to Point/Station      104.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1274.500(Ft.)
Downstream point/station elevation =  1068.400(Ft.)
Pipe length  =   153.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    29.208(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =    29.208(CFS)
Normal flow depth in pipe =    7.44(In.)
Flow top width inside pipe =   11.65(In.)
Critical depth could not be calculated.
Pipe flow velocity =     57.07(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =    10.68 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      104.000 to Point/Station      104.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.836
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    10.68 min.
Rainfall intensity =      3.360(In/Hr) for a   100.0 year storm
Subarea runoff =      4.411(CFS) for      1.570(Ac.)
Total runoff =     33.619(CFS)    Total area =      11.210(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      104.000 to Point/Station      104.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.836
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    10.68 min.
Rainfall intensity =      3.360(In/Hr) for a   100.0 year storm
Subarea runoff =      8.513(CFS) for      3.030(Ac.)
Total runoff =     42.132(CFS)    Total area =      14.240(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      104.000 to Point/Station      105.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1268.400(Ft.)
Downstream point/station elevation =  1260.000(Ft.)
Pipe length  =    40.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    42.132(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    42.132(CFS)
Normal flow depth in pipe =   13.05(In.)
Flow top width inside pipe =   16.07(In.)
Critical depth could not be calculated.
Pipe flow velocity =     30.72(Ft/s)
Travel time through pipe =    0.02 min.
Time of concentration (TC) =    10.70 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      105.000 to Point/Station      105.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     14.240(Ac.)
Runoff from this stream =     42.132(CFS)
Time of concentration =   10.70 min.
Rainfall intensity =     3.356(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      105.100 to Point/Station      105.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =  1010.000(Ft.)
Top (of initial area) elevation =  1560.000(Ft.)
Bottom (of initial area) elevation =  1265.000(Ft.)
Difference in elevation =   295.000(Ft.)
Slope =    0.29208  s(percent)=      29.21
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.787 min.
Rainfall intensity =      3.341(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.879
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.040
Decimal fraction soil group C = 0.960
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.27
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     43.150(CFS)
Total initial stream area =       14.700(Ac.)
Pervious area fraction = 1.000


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      105.200 to Point/Station      105.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1265.000(Ft.)
Downstream point/station elevation =  1260.000(Ft.)
Pipe length  =    61.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    43.150(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    43.150(CFS)
```

```
Normal flow depth in pipe =   16.36(In.)
Flow top width inside pipe =   17.43(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.46(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =    10.83 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      105.000 to Point/Station      105.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     14.700(Ac.)
Runoff from this stream =     43.150(CFS)
Time of concentration =   10.83 min.
Rainfall intensity =     3.333(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1       42.132     10.70           3.356
2       43.150     10.83           3.333
Largest stream flow has longer time of concentration
Qp =     43.150 + sum of
           Qb         Ia/Ib
           42.132 *    0.993 =     41.841
Qp =     84.991

Total of 2 main streams to confluence:
Flow rates before confluence point:
      42.132      43.150
Area of streams before confluence:
       14.240       14.700


Results of confluence:
Total flow rate =     84.991(CFS)
Time of concentration =    10.834 min.
Effective stream area after confluence  =     28.940(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      105.000 to Point/Station      106.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1260.000(Ft.)
Downstream point/station elevation =  1244.500(Ft.)
Pipe length  =   198.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    84.991(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =    84.991(CFS)
Normal flow depth in pipe =   21.66(In.)
Flow top width inside pipe =   21.52(In.)
Critical depth could not be calculated.
Pipe flow velocity =     24.84(Ft/s)
Travel time through pipe =    0.13 min.
Time of concentration (TC) =    10.97 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      106.000 to Point/Station      106.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     28.940(Ac.)
Runoff from this stream =     84.991(CFS)
Time of concentration =   10.97 min.
Rainfall intensity =     3.310(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      106.100 to Point/Station      106.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   946.000(Ft.)
Top (of initial area) elevation =  1410.000(Ft.)
Bottom (of initial area) elevation =  1245.000(Ft.)
Difference in elevation =   165.000(Ft.)
Slope =    0.17442  s(percent)=      17.44
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   11.650 min.
Rainfall intensity =      3.202(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.878
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     22.219(CFS)
Total initial stream area =        7.900(Ac.)
Pervious area fraction = 1.000


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      106.200 to Point/Station      106.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1245.000(Ft.)
Downstream point/station elevation =  1244.500(Ft.)
Pipe length  =    26.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    22.219(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    22.219(CFS)
Normal flow depth in pipe =   17.44(In.)
Flow top width inside pipe =   15.76(In.)
Critical Depth =   19.70(In.)
Pipe flow velocity =     10.41(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =    11.69 min.
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      106.000 to Point/Station      106.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      7.900(Ac.)
Runoff from this stream =     22.219(CFS)
Time of concentration =   11.69 min.
Rainfall intensity =     3.196(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1       84.991     10.97          3.310
2       22.219     11.69          3.196
Largest stream flow has longer or shorter time of concentration
Qp =     84.991 + sum of
           Qa          Tb/Ta
           22.219 *    0.938 =     20.843
Qp =    105.835

Total of 2 main streams to confluence:
Flow rates before confluence point:
      84.991      22.219
Area of streams before confluence:
       28.940        7.900


Results of confluence:
Total flow rate =    105.835(CFS)
Time of concentration =    10.967 min.
Effective stream area after confluence  =     36.840(Ac.)


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Process from Point/Station      106.000 to Point/Station      107.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1244.500(Ft.)
Downstream point/station elevation =  1230.000(Ft.)
Pipe length  =   171.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   105.835(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =   105.835(CFS)
Normal flow depth in pipe =   21.96(In.)
Flow top width inside pipe =   26.57(In.)
Critical depth could not be calculated.
Pipe flow velocity =     27.48(Ft/s)
Travel time through pipe =    0.10 min.
Time of concentration (TC) =    11.07 min.
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      107.000 to Point/Station      107.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     36.840(Ac.)
Runoff from this stream =    105.835(CFS)
Time of concentration =   11.07 min.
Rainfall intensity =     3.293(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      107.100 to Point/Station      107.200
**** INITIAL AREA EVALUATION ****
------------------------------------------------------------------------
Initial area flow distance =   462.000(Ft.)
Top (of initial area) elevation =  1360.000(Ft.)
Bottom (of initial area) elevation =  1240.000(Ft.)
Difference in elevation =   120.000(Ft.)
Slope =    0.25974  s(percent)=      25.97
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.077 min.
Rainfall intensity =      3.917(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.882
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     11.161(CFS)
Total initial stream area =        3.230(Ac.)
Pervious area fraction = 1.000


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      107.200 to Point/Station      107.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1240.000(Ft.)
Downstream point/station elevation =  1230.000(Ft.)
Pipe length  =    52.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    11.161(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =    11.161(CFS)
Normal flow depth in pipe =    7.50(In.)
Flow top width inside pipe =   11.62(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.62(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =     8.12 min.
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      107.000 to Point/Station      107.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      3.230(Ac.)
Runoff from this stream =     11.161(CFS)
Time of concentration =    8.12 min.
Rainfall intensity =     3.906(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1      105.835     11.07           3.293
2       11.161      8.12           3.906
Largest stream flow has longer time of concentration
Qp =    105.835 + sum of
           Qb         Ia/Ib
           11.161 *    0.843 =      9.410
Qp =    115.244

Total of 2 main streams to confluence:
Flow rates before confluence point:
     105.835      11.161
Area of streams before confluence:
       36.840        3.230


Results of confluence:
Total flow rate =    115.244(CFS)
Time of concentration =    11.071 min.
Effective stream area after confluence  =     40.070(Ac.)


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Process from Point/Station      107.000 to Point/Station      108.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1230.000(Ft.)
Downstream point/station elevation =  1227.100(Ft.)
Pipe length  =    65.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   115.244(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =   115.244(CFS)
Normal flow depth in pipe =   28.13(In.)
Flow top width inside pipe =   23.42(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.39(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =    11.12 min.

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Process from Point/Station      108.000 to Point/Station      108.000
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.894
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    11.12 min.
Rainfall intensity =      3.285(In/Hr) for a   100.0 year storm
Subarea runoff =      1.145(CFS) for      0.390(Ac.)
Total runoff =    116.389(CFS)    Total area =      40.460(Ac.)


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Process from Point/Station      108.000 to Point/Station      109.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1227.100(Ft.)
Downstream point/station elevation =  1226.000(Ft.)
Pipe length  =    55.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   116.389(CFS)
Nearest computed pipe diameter  =     39.00(In.)
Calculated individual pipe flow  =   116.389(CFS)
Normal flow depth in pipe =   31.88(In.)
Flow top width inside pipe =   30.14(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.05(Ft/s)
Travel time through pipe =    0.06 min.
Time of concentration (TC) =    11.18 min.


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Process from Point/Station      109.000 to Point/Station      109.000
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.862
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    11.18 min.
Rainfall intensity =      3.276(In/Hr) for a   100.0 year storm
Subarea runoff =      1.666(CFS) for      0.590(Ac.)
Total runoff =    118.055(CFS)    Total area =      41.050(Ac.)
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Process from Point/Station      109.000 to Point/Station      109.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.858
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.200
Decimal fraction soil group C = 0.800
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  82.84
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    11.18 min.
Rainfall intensity =      3.276(In/Hr) for a   100.0 year storm
Subarea runoff =      4.019(CFS) for      1.430(Ac.)
Total runoff =    122.075(CFS)    Total area =      42.480(Ac.)



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Process from Point/Station      109.000 to Point/Station      110.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1226.000(Ft.)
Downstream point/station elevation =  1205.000(Ft.)
Pipe length  =   430.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   122.075(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =   122.075(CFS)
Normal flow depth in pipe =   28.59(In.)
Flow top width inside pipe =   22.45(In.)
Critical depth could not be calculated.
Pipe flow velocity =     22.32(Ft/s)
Travel time through pipe =    0.32 min.
Time of concentration (TC) =    11.50 min.


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Process from Point/Station      110.000 to Point/Station      110.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.857
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.200
Decimal fraction soil group C = 0.800
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  82.84
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    11.50 min.
Rainfall intensity =      3.225(In/Hr) for a   100.0 year storm
Subarea runoff =     10.176(CFS) for      3.680(Ac.)
Total runoff =    132.251(CFS)    Total area =      46.160(Ac.)
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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      110.000 to Point/Station      110.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.894
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    11.50 min.
Rainfall intensity =      3.225(In/Hr) for a   100.0 year storm
Subarea runoff =      1.758(CFS) for      0.610(Ac.)
Total runoff =    134.009(CFS)    Total area =      46.770(Ac.)


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Process from Point/Station      110.000 to Point/Station      111.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1205.000(Ft.)
Downstream point/station elevation =  1115.000(Ft.)
Pipe length  =   340.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   134.009(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =   134.009(CFS)
Normal flow depth in pipe =   18.96(In.)
Flow top width inside pipe =   24.69(In.)
Critical depth could not be calculated.
Pipe flow velocity =     44.91(Ft/s)
Travel time through pipe =    0.13 min.
Time of concentration (TC) =    11.63 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      111.000 to Point/Station      111.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.855
Decimal fraction soil group A = 0.100
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.900
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  88.66
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    11.63 min.
Rainfall intensity =      3.206(In/Hr) for a   100.0 year storm
Subarea runoff =     12.903(CFS) for      4.710(Ac.)
Total runoff =    146.912(CFS)    Total area =      51.480(Ac.)
End of computations, total study area =           51.48 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.883
Area averaged RI index number =  78.0
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 12/16/21  File:AREAA.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406

------------------------------------------------------------------------
PROPOSED HYDROLOGY STUDY, DRAINAGE AREA A TO BASIN A
10YR STORM, TTM#37074, RIO VISTA DEVELOPMENT
------------------------------------------------------------------------

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =   10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.859(In/Hr)
Slope of intensity duration curve = 0.5500

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      100.000 to Point/Station      101.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   520.000(Ft.)
Top (of initial area) elevation =  1415.000(Ft.)
Bottom (of initial area) elevation =  1293.500(Ft.)
Difference in elevation =   121.500(Ft.)
Slope =    0.23365  s(percent)=      23.37
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.649 min.
Rainfall intensity =      2.491(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.831
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.100
Decimal fraction soil group C = 0.420
Decimal fraction soil group D = 0.480
RI index for soil(AMC 2)  =  86.64
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      4.805(CFS)
Total initial stream area =        2.320(Ac.)
Pervious area fraction = 1.000

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Process from Point/Station      101.000 to Point/Station      102.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1293.500(Ft.)
Downstream point/station elevation =  1292.500(Ft.)
Pipe length  =   350.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     4.805(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =     4.805(CFS)
Normal flow depth in pipe =   12.82(In.)
Flow top width inside pipe =   16.30(In.)
Critical Depth =   10.11(In.)
Pipe flow velocity =      3.57(Ft/s)
Travel time through pipe =    1.63 min.
Time of concentration (TC) =    10.28 min.

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      102.000 to Point/Station      102.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.729
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    10.28 min.
Rainfall intensity =      2.265(In/Hr) for a    10.0 year storm
Subarea runoff =      1.817(CFS) for      1.100(Ac.)
Total runoff =      6.622(CFS)    Total area =       3.420(Ac.)

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Process from Point/Station      102.000 to Point/Station      102.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.729
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    10.28 min.
Rainfall intensity =      2.265(In/Hr) for a    10.0 year storm
Subarea runoff =      2.346(CFS) for      1.420(Ac.)
Total runoff =      8.968(CFS)    Total area =       4.840(Ac.)
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Process from Point/Station      102.000 to Point/Station      103.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1292.500(Ft.)
Downstream point/station elevation =  1274.500(Ft.)
Pipe length  =   417.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     8.968(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =     8.968(CFS)
Normal flow depth in pipe =    8.96(In.)
Flow top width inside pipe =   14.71(In.)
Critical Depth =   13.85(In.)
Pipe flow velocity =     11.71(Ft/s)
Travel time through pipe =    0.59 min.
Time of concentration (TC) =    10.88 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      103.000 to Point/Station      103.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      4.840(Ac.)
Runoff from this stream =      8.968(CFS)
Time of concentration =   10.88 min.
Rainfall intensity =     2.196(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      103.100 to Point/Station      103.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   940.000(Ft.)
Top (of initial area) elevation =  1585.000(Ft.)
Bottom (of initial area) elevation =  1280.000(Ft.)
Difference in elevation =   305.000(Ft.)
Slope =    0.32447  s(percent)=      32.45
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.263 min.
Rainfall intensity =      2.267(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.797
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.500
Decimal fraction soil group C = 0.500
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  82.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      8.676(CFS)
Total initial stream area =        4.800(Ac.)
Pervious area fraction = 1.000
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      103.200 to Point/Station      103.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1275.000(Ft.)
Downstream point/station elevation =  1274.500(Ft.)
Pipe length  =    53.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     8.676(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =     8.676(CFS)
Normal flow depth in pipe =   12.75(In.)
Flow top width inside pipe =   16.36(In.)
Critical Depth =   13.68(In.)
Pipe flow velocity =      6.48(Ft/s)
Travel time through pipe =    0.14 min.
Time of concentration (TC) =    10.40 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      103.000 to Point/Station      103.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      4.800(Ac.)
Runoff from this stream =      8.676(CFS)
Time of concentration =   10.40 min.
Rainfall intensity =     2.251(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1        8.968     10.88          2.196
2        8.676     10.40          2.251
Largest stream flow has longer time of concentration
Qp =      8.968 + sum of
           Qb         Ia/Ib
            8.676 *    0.976 =      8.465
Qp =     17.432

Total of 2 main streams to confluence:
Flow rates before confluence point:
       8.968       8.676
Area of streams before confluence:
        4.840        4.800


Results of confluence:
Total flow rate =     17.432(CFS)
Time of concentration =    10.876 min.
Effective stream area after confluence  =      9.640(Ac.)
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      103.000 to Point/Station      104.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1274.500(Ft.)
Downstream point/station elevation =  1068.400(Ft.)
Pipe length  =   153.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    17.432(CFS)
Nearest computed pipe diameter  =      9.00(In.)
Calculated individual pipe flow  =    17.432(CFS)
Normal flow depth in pipe =    6.73(In.)
Flow top width inside pipe =    7.82(In.)
Critical depth could not be calculated.
Pipe flow velocity =     49.24(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =    10.93 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      104.000 to Point/Station      104.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.725
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    10.93 min.
Rainfall intensity =      2.191(In/Hr) for a    10.0 year storm
Subarea runoff =      2.494(CFS) for      1.570(Ac.)
Total runoff =     19.927(CFS)    Total area =      11.210(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      104.000 to Point/Station      104.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.725
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    10.93 min.
Rainfall intensity =      2.191(In/Hr) for a    10.0 year storm
Subarea runoff =      4.814(CFS) for      3.030(Ac.)
Total runoff =     24.741(CFS)    Total area =      14.240(Ac.)


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Process from Point/Station      104.000 to Point/Station      105.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1268.400(Ft.)
Downstream point/station elevation =  1260.000(Ft.)
Pipe length  =    40.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    24.741(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    24.741(CFS)
Normal flow depth in pipe =   10.49(In.)
Flow top width inside pipe =   13.76(In.)
Critical depth could not be calculated.
Pipe flow velocity =     27.01(Ft/s)
Travel time through pipe =    0.02 min.
Time of concentration (TC) =    10.95 min.


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Process from Point/Station      105.000 to Point/Station      105.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     14.240(Ac.)
Runoff from this stream =     24.741(CFS)
Time of concentration =   10.95 min.
Rainfall intensity =     2.188(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station      105.100 to Point/Station      105.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =  1010.000(Ft.)
Top (of initial area) elevation =  1560.000(Ft.)
Bottom (of initial area) elevation =  1265.000(Ft.)
Difference in elevation =   295.000(Ft.)
Slope =    0.29208  s(percent)=      29.21
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.787 min.
Rainfall intensity =      2.206(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.817
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.040
Decimal fraction soil group C = 0.960
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  85.68
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     26.511(CFS)
Total initial stream area =       14.700(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station      105.200 to Point/Station      105.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1265.000(Ft.)
Downstream point/station elevation =  1260.000(Ft.)
Pipe length  =    61.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    26.511(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    26.511(CFS)
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Normal flow depth in pipe =   13.13(In.)
Flow top width inside pipe =   16.00(In.)
Critical depth could not be calculated.
Pipe flow velocity =     19.21(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =    10.84 min.


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Process from Point/Station      105.000 to Point/Station      105.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     14.700(Ac.)
Runoff from this stream =     26.511(CFS)
Time of concentration =   10.84 min.
Rainfall intensity =     2.200(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1       24.741     10.95          2.188
2       26.511     10.84          2.200
Largest stream flow has longer or shorter time of concentration
Qp =     26.511 + sum of
           Qa          Tb/Ta
           24.741 *    0.990 =     24.487
Qp =     50.998

Total of 2 main streams to confluence:
Flow rates before confluence point:
      24.741      26.511
Area of streams before confluence:
       14.240       14.700


Results of confluence:
Total flow rate =     50.998(CFS)
Time of concentration =    10.840 min.
Effective stream area after confluence  =     28.940(Ac.)


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Process from Point/Station      105.000 to Point/Station      106.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1260.000(Ft.)
Downstream point/station elevation =  1244.500(Ft.)
Pipe length  =   198.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    50.998(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    50.998(CFS)
Normal flow depth in pipe =   16.31(In.)
Flow top width inside pipe =   22.40(In.)
Critical depth could not be calculated.
Pipe flow velocity =     22.41(Ft/s)
Travel time through pipe =    0.15 min.
Time of concentration (TC) =    10.99 min.


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Process from Point/Station      106.000 to Point/Station      106.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     28.940(Ac.)
Runoff from this stream =     50.998(CFS)
Time of concentration =   10.99 min.
Rainfall intensity =     2.184(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station      106.100 to Point/Station      106.200
**** INITIAL AREA EVALUATION ****
------------------------------------------------------------------------
Initial area flow distance =   946.000(Ft.)
Top (of initial area) elevation =  1410.000(Ft.)
Bottom (of initial area) elevation =  1245.000(Ft.)
Difference in elevation =   165.000(Ft.)
Slope =    0.17442  s(percent)=      17.44
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   11.650 min.
Rainfall intensity =      2.115(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.816
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     13.637(CFS)
Total initial stream area =        7.900(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station      106.200 to Point/Station      106.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1245.000(Ft.)
Downstream point/station elevation =  1244.500(Ft.)
Pipe length  =    26.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    13.637(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    13.637(CFS)
Normal flow depth in pipe =   13.83(In.)
Flow top width inside pipe =   15.19(In.)
Critical Depth =   16.45(In.)
Pipe flow velocity =      9.37(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =    11.70 min.
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      106.000 to Point/Station      106.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      7.900(Ac.)
Runoff from this stream =     13.637(CFS)
Time of concentration =   11.70 min.
Rainfall intensity =     2.110(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1       50.998     10.99           2.184
2       13.637     11.70           2.110
Largest stream flow has longer or shorter time of concentration
Qp =     50.998 + sum of
           Qa          Tb/Ta
           13.637 *    0.939 =     12.811
Qp =     63.809

Total of 2 main streams to confluence:
Flow rates before confluence point:
      50.998      13.637
Area of streams before confluence:
       28.940        7.900


Results of confluence:
Total flow rate =     63.809(CFS)
Time of concentration =    10.987 min.
Effective stream area after confluence  =     36.840(Ac.)


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Process from Point/Station      106.000 to Point/Station      107.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1244.500(Ft.)
Downstream point/station elevation =  1230.000(Ft.)
Pipe length  =   171.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    63.809(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    63.809(CFS)
Normal flow depth in pipe =   19.03(In.)
Flow top width inside pipe =   19.45(In.)
Critical depth could not be calculated.
Pipe flow velocity =     23.89(Ft/s)
Travel time through pipe =    0.12 min.
Time of concentration (TC) =    11.11 min.
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      107.000 to Point/Station      107.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     36.840(Ac.)
Runoff from this stream =     63.809(CFS)
Time of concentration =   11.11 min.
Rainfall intensity =     2.171(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station      107.100 to Point/Station      107.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   462.000(Ft.)
Top (of initial area) elevation =  1360.000(Ft.)
Bottom (of initial area) elevation =  1240.000(Ft.)
Difference in elevation =   120.000(Ft.)
Slope =    0.25974  s(percent)=      25.97
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.077 min.
Rainfall intensity =      2.587(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.830
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      6.938(CFS)
Total initial stream area =        3.230(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station      107.200 to Point/Station      107.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1240.000(Ft.)
Downstream point/station elevation =  1230.000(Ft.)
Pipe length  =    52.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     6.938(CFS)
Nearest computed pipe diameter  =      9.00(In.)
Calculated individual pipe flow  =     6.938(CFS)
Normal flow depth in pipe =    7.04(In.)
Flow top width inside pipe =    7.43(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.69(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =     8.12 min.
```

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Process from Point/Station      107.000 to Point/Station      107.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      3.230(Ac.)
Runoff from this stream =      6.938(CFS)
Time of concentration =    8.12 min.
Rainfall intensity =     2.579(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1       63.809     11.11           2.171
2        6.938      8.12           2.579
Largest stream flow has longer time of concentration
Qp =     63.809 + sum of
           Qb         Ia/Ib
            6.938 *    0.842 =      5.841
Qp =     69.650

Total of 2 main streams to confluence:
Flow rates before confluence point:
      63.809       6.938
Area of streams before confluence:
       36.840        3.230


Results of confluence:
Total flow rate =     69.650(CFS)
Time of concentration =    11.107 min.
Effective stream area after confluence  =     40.070(Ac.)


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Process from Point/Station      107.000 to Point/Station      108.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1230.000(Ft.)
Downstream point/station elevation =  1227.100(Ft.)
Pipe length  =    65.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    69.650(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =    69.650(CFS)
Normal flow depth in pipe =   20.37(In.)
Flow top width inside pipe =   28.01(In.)
Critical depth could not be calculated.
Pipe flow velocity =     19.63(Ft/s)
Travel time through pipe =    0.06 min.
Time of concentration (TC) =    11.16 min.

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Process from Point/Station      108.000 to Point/Station      108.000
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    11.16 min.
Rainfall intensity =      2.165(In/Hr) for a    10.0 year storm
Subarea runoff =      0.744(CFS) for      0.390(Ac.)
Total runoff =     70.393(CFS)    Total area =      40.460(Ac.)


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Process from Point/Station      108.000 to Point/Station      109.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1227.100(Ft.)
Downstream point/station elevation =  1226.000(Ft.)
Pipe length  =    55.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    70.393(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    70.393(CFS)
Normal flow depth in pipe =   25.45(In.)
Flow top width inside pipe =   27.72(In.)
Critical Depth =   31.12(In.)
Pipe flow velocity =     14.32(Ft/s)
Travel time through pipe =    0.06 min.
Time of concentration (TC) =    11.23 min.


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Process from Point/Station      109.000 to Point/Station      109.000
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.783
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    11.23 min.
Rainfall intensity =      2.158(In/Hr) for a    10.0 year storm
Subarea runoff =      0.997(CFS) for      0.590(Ac.)
Total runoff =     71.390(CFS)    Total area =      41.050(Ac.)
```

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Process from Point/Station      109.000 to Point/Station      109.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.771
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.200
Decimal fraction soil group C = 0.800
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  66.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    11.23 min.
Rainfall intensity =      2.158(In/Hr) for a    10.0 year storm
Subarea runoff =      2.381(CFS) for      1.430(Ac.)
Total runoff =     73.771(CFS)    Total area =      42.480(Ac.)



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Process from Point/Station      109.000 to Point/Station      110.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1226.000(Ft.)
Downstream point/station elevation =  1205.000(Ft.)
Pipe length  =   430.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    73.771(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =    73.771(CFS)
Normal flow depth in pipe =   20.55(In.)
Flow top width inside pipe =   27.87(In.)
Critical depth could not be calculated.
Pipe flow velocity =     20.58(Ft/s)
Travel time through pipe =    0.35 min.
Time of concentration (TC) =    11.57 min.


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Process from Point/Station      110.000 to Point/Station      110.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.770
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.200
Decimal fraction soil group C = 0.800
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  66.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    11.57 min.
Rainfall intensity =      2.122(In/Hr) for a    10.0 year storm
Subarea runoff =      6.012(CFS) for      3.680(Ac.)
Total runoff =     79.783(CFS)    Total area =      46.160(Ac.)
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      110.000 to Point/Station      110.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    11.57 min.
Rainfall intensity =      2.122(In/Hr) for a    10.0 year storm
Subarea runoff =      1.140(CFS) for      0.610(Ac.)
Total runoff =     80.923(CFS)    Total area =      46.770(Ac.)

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Process from Point/Station      110.000 to Point/Station      111.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1205.000(Ft.)
Downstream point/station elevation =  1115.000(Ft.)
Pipe length  =   340.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    80.923(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    80.923(CFS)
Normal flow depth in pipe =   17.06(In.)
Flow top width inside pipe =   16.39(In.)
Critical depth could not be calculated.
Pipe flow velocity =     38.64(Ft/s)
Travel time through pipe =    0.15 min.
Time of concentration (TC) =    11.72 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      111.000 to Point/Station      111.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.751
Decimal fraction soil group A = 0.100
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.900
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  76.10
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    11.72 min.
Rainfall intensity =      2.108(In/Hr) for a    10.0 year storm
Subarea runoff =      7.454(CFS) for      4.710(Ac.)
Total runoff =     88.377(CFS)    Total area =      51.480(Ac.)
End of computations, total study area =           51.48 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.883
Area averaged RI index number =  78.0
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 01/06/22  File:AREAB1.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------

Program License Serial Number 6406

------------------------------------------------------------------------
PROPOSED RATIONAL STUDY, DRAINAGE AREAS B,C & D
100-YEAR STORM, RIO VISTA DEVELOPMENT
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =  100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.300(In/Hr)
Slope of intensity duration curve = 0.5500

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        1.000 to Point/Station        2.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   794.000(Ft.)
Top (of initial area) elevation =  1216.500(Ft.)
Bottom (of initial area) elevation =  1208.600(Ft.)
Difference in elevation =     7.900(Ft.)
Slope =    0.00995  s(percent)=       0.99
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.902 min.
Rainfall intensity =      3.321(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.891
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.580
Decimal fraction soil group C = 0.420
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  79.17
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =      2.309(CFS)
Total initial stream area =        0.780(Ac.)
Pervious area fraction = 0.100

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.000 to Point/Station        2.100
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1203.600(Ft.)
Downstream point/station elevation =  1202.700(Ft.)
Pipe length  =    18.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     2.309(CFS)
Nearest computed pipe diameter  =      9.00(In.)
Calculated individual pipe flow  =     2.309(CFS)
Normal flow depth in pipe =    5.15(In.)
Flow top width inside pipe =    8.91(In.)
Critical Depth =    8.12(In.)
Pipe flow velocity =      8.83(Ft/s)
Travel time through pipe =    0.03 min.
Time of concentration (TC) =    10.94 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.100 to Point/Station        2.100
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      0.780(Ac.)
Runoff from this stream =      2.309(CFS)
Time of concentration =   10.94 min.
Rainfall intensity =     3.316(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.110 to Point/Station        2.120
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   350.000(Ft.)
Top (of initial area) elevation =  1223.000(Ft.)
Bottom (of initial area) elevation =  1207.000(Ft.)
Difference in elevation =    16.000(Ft.)
Slope =    0.04571  s(percent)=       4.57
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.107 min.
Rainfall intensity =      3.909(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.845
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.980
Decimal fraction soil group C = 0.020
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  75.01
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =     17.636(CFS)
Total initial stream area =        5.340(Ac.)
Pervious area fraction = 0.600
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Process from Point/Station        2.120 to Point/Station        2.100
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1207.000(Ft.)
Downstream point/station elevation =  1202.700(Ft.)
Pipe length  =   400.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    17.636(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    17.636(CFS)
Normal flow depth in pipe =   15.54(In.)
Flow top width inside pipe =   22.93(In.)
Critical Depth =   18.17(In.)
Pipe flow velocity =      8.20(Ft/s)
Travel time through pipe =    0.81 min.
Time of concentration (TC) =     8.92 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.100 to Point/Station        2.100
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      5.340(Ac.)
Runoff from this stream =     17.636(CFS)
Time of concentration =    8.92 min.
Rainfall intensity =     3.709(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1        2.309     10.94          3.316
2       17.636      8.92          3.709
Largest stream flow has longer or shorter time of concentration
Qp =     17.636 + sum of
           Qa          Tb/Ta
            2.309 *    0.816 =      1.884
Qp =     19.519

Total of 2 main streams to confluence:
Flow rates before confluence point:
       2.309      17.636
Area of streams before confluence:
        0.780        5.340


Results of confluence:
Total flow rate =     19.519(CFS)
Time of concentration =     8.920 min.
Effective stream area after confluence  =      6.120(Ac.)


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Process from Point/Station        2.100 to Point/Station        3.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1202.700(Ft.)
Downstream point/station elevation =  1200.900(Ft.)
Pipe length  =    40.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    19.519(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    19.519(CFS)
Normal flow depth in pipe =   13.05(In.)
Flow top width inside pipe =   16.07(In.)
Critical depth could not be calculated.
Pipe flow velocity =     14.22(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =     8.97 min.


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Process from Point/Station        3.000 to Point/Station        3.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      6.120(Ac.)
Runoff from this stream =     19.519(CFS)
Time of concentration =    8.97 min.
Rainfall intensity =     3.698(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station        3.100 to Point/Station        3.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   850.000(Ft.)
Top (of initial area) elevation =  1525.000(Ft.)
Bottom (of initial area) elevation =  1299.700(Ft.)
Difference in elevation =   225.300(Ft.)
Slope =    0.26506  s(percent)=      26.51
TC = k(0.710)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   13.752 min.
Rainfall intensity =      2.923(In/Hr) for a   100.0 year storm
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.851
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.280
Decimal fraction soil group C = 0.720
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  88.72
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     12.532(CFS)
Total initial stream area =        5.040(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station        3.200 to Point/Station        3.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1299.700(Ft.)
Downstream point/station elevation =  1299.500(Ft.)
Pipe length  =    28.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    12.532(CFS)
Nearest computed pipe diameter  =     21.00(In.)
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Calculated individual pipe flow  =    12.532(CFS)
Normal flow depth in pipe =   16.13(In.)
Flow top width inside pipe =   17.73(In.)
Critical Depth =   15.83(In.)
Pipe flow velocity =      6.33(Ft/s)
Travel time through pipe =    0.07 min.
Time of concentration (TC) =    13.83 min.


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Process from Point/Station        3.300 to Point/Station        3.300
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.855
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.120
Decimal fraction soil group C = 0.880
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  83.46
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    13.83 min.
Rainfall intensity =      2.914(In/Hr) for a   100.0 year storm
Subarea runoff =      2.642(CFS) for      1.060(Ac.)
Total runoff =     15.174(CFS)    Total area =       6.100(Ac.)


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Process from Point/Station        3.300 to Point/Station        3.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1299.500(Ft.)
Downstream point/station elevation =  1229.500(Ft.)
Pipe length  =   700.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    15.174(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    15.174(CFS)
Normal flow depth in pipe =    9.63(In.)
Flow top width inside pipe =   14.38(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.24(Ft/s)
Travel time through pipe =    0.64 min.
Time of concentration (TC) =    14.47 min.


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Process from Point/Station        3.400 to Point/Station        3.400
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.832
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.840
Decimal fraction soil group C = 0.160
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  76.46
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    14.47 min.
Rainfall intensity =      2.843(In/Hr) for a   100.0 year storm
Subarea runoff =      4.990(CFS) for      2.110(Ac.)
Total runoff =     20.164(CFS)    Total area =       8.210(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.400 to Point/Station        3.400
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.892
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.280
Decimal fraction soil group C = 0.720
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  82.22
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    14.47 min.
Rainfall intensity =      2.843(In/Hr) for a   100.0 year storm
Subarea runoff =      4.994(CFS) for      1.970(Ac.)
Total runoff =     25.157(CFS)    Total area =      10.180(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.400 to Point/Station        3.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1229.500(Ft.)
Downstream point/station elevation =  1219.500(Ft.)
Pipe length  =   860.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    25.157(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    25.157(CFS)
Normal flow depth in pipe =   20.44(In.)
Flow top width inside pipe =   17.07(In.)
Critical Depth =   21.19(In.)
Pipe flow velocity =      8.83(Ft/s)
Travel time through pipe =    1.62 min.
Time of concentration (TC) =    16.09 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.500 to Point/Station        3.500
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.823
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    16.09 min.
Rainfall intensity =      2.681(In/Hr) for a   100.0 year storm
Subarea runoff =     29.288(CFS) for     13.280(Ac.)
Total runoff =     54.445(CFS)    Total area =      23.460(Ac.)
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Process from Point/Station        3.500 to Point/Station        3.600
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1219.500(Ft.)
Downstream point/station elevation =  1214.260(Ft.)
Pipe length  =   157.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    54.445(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =    54.445(CFS)
Normal flow depth in pipe =   21.28(In.)
Flow top width inside pipe =   22.06(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.21(Ft/s)
Travel time through pipe =    0.16 min.
Time of concentration (TC) =    16.25 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.600 to Point/Station        3.600
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.822
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    16.25 min.
Rainfall intensity =      2.667(In/Hr) for a   100.0 year storm
Subarea runoff =      7.279(CFS) for      3.320(Ac.)
Total runoff =     61.724(CFS)    Total area =      26.780(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.600 to Point/Station        3.600
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.822
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    16.25 min.
Rainfall intensity =      2.667(In/Hr) for a   100.0 year storm
Subarea runoff =      1.798(CFS) for      0.820(Ac.)
Total runoff =     63.521(CFS)    Total area =      27.600(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.600 to Point/Station        3.700
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1214.260(Ft.)
Downstream point/station elevation =  1214.000(Ft.)
Pipe length  =    40.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    63.521(CFS)
Nearest computed pipe diameter  =     39.00(In.)
Calculated individual pipe flow  =    63.521(CFS)
Normal flow depth in pipe =   30.47(In.)
Flow top width inside pipe =   32.25(In.)
Critical Depth =   30.50(In.)
Pipe flow velocity =      9.13(Ft/s)
Travel time through pipe =    0.07 min.
Time of concentration (TC) =    16.32 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.700 to Point/Station        3.700
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.887
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    16.32 min.
Rainfall intensity =      2.660(In/Hr) for a   100.0 year storm
Subarea runoff =      3.917(CFS) for      1.660(Ac.)
Total runoff =     67.438(CFS)    Total area =      29.260(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.700 to Point/Station        3.700
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.887
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    16.32 min.
Rainfall intensity =      2.660(In/Hr) for a   100.0 year storm
Subarea runoff =      2.690(CFS) for      1.140(Ac.)
Total runoff =     70.128(CFS)    Total area =      30.400(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.700 to Point/Station        3.800
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1214.000(Ft.)
Downstream point/station elevation =  1201.400(Ft.)
Pipe length  =   285.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    70.128(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =    70.128(CFS)
Normal flow depth in pipe =   20.53(In.)
Flow top width inside pipe =   27.89(In.)
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Critical depth could not be calculated.
Pipe flow velocity =     19.57(Ft/s)
Travel time through pipe =    0.24 min.
Time of concentration (TC) =    16.57 min.


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Process from Point/Station        3.800 to Point/Station        3.800
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.887
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    16.57 min.
Rainfall intensity =      2.639(In/Hr) for a   100.0 year storm
Subarea runoff =      1.193(CFS) for      0.510(Ac.)
Total runoff =     71.321(CFS)    Total area =      30.910(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.800 to Point/Station        3.800
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.888
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.900
Decimal fraction soil group C = 0.100
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  75.84
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    16.57 min.
Rainfall intensity =      2.639(In/Hr) for a   100.0 year storm
Subarea runoff =      5.199(CFS) for      2.220(Ac.)
Total runoff =     76.520(CFS)    Total area =      33.130(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.800 to Point/Station        3.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1201.400(Ft.)
Downstream point/station elevation =  1200.900(Ft.)
Pipe length  =   135.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    76.520(CFS)
Nearest computed pipe diameter  =     45.00(In.)
Calculated individual pipe flow  =    76.520(CFS)
Normal flow depth in pipe =   38.72(In.)
Flow top width inside pipe =   31.19(In.)
Critical Depth =   32.34(In.)
Pipe flow velocity =      7.57(Ft/s)
Travel time through pipe =    0.30 min.
Time of concentration (TC) =    16.86 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.000 to Point/Station        3.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     33.130(Ac.)
Runoff from this stream =     76.520(CFS)
Time of concentration =   16.86 min.
Rainfall intensity =     2.613(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       19.519      8.97           3.698
2       76.520     16.86           2.613
Largest stream flow has longer time of concentration
Qp =     76.520 + sum of
           Qb         Ia/Ib
           19.519 *    0.707 =     13.792
Qp =     90.312

Total of 2 main streams to confluence:
Flow rates before confluence point:
      19.519      76.520
Area of streams before confluence:
        6.120       33.130


Results of confluence:
Total flow rate =     90.312(CFS)
Time of concentration =    16.863 min.
Effective stream area after confluence  =     39.250(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.000 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1200.900(Ft.)
Downstream point/station elevation =  1199.300(Ft.)
Pipe length  =   188.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    90.312(CFS)
Nearest computed pipe diameter  =     42.00(In.)
Calculated individual pipe flow  =    90.312(CFS)
Normal flow depth in pipe =   33.47(In.)
Flow top width inside pipe =   33.80(In.)
Critical Depth =   35.37(In.)
Pipe flow velocity =     10.99(Ft/s)
Travel time through pipe =    0.29 min.
Time of concentration (TC) =    17.15 min.
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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.000 to Point/Station        4.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     39.250(Ac.)
Runoff from this stream =     90.312(CFS)
Time of concentration =   17.15 min.
Rainfall intensity =     2.589(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.100 to Point/Station        4.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   862.000(Ft.)
Top (of initial area) elevation =  1220.000(Ft.)
Bottom (of initial area) elevation =  1199.800(Ft.)
Difference in elevation =    20.200(Ft.)
Slope =    0.02343  s(percent)=       2.34
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   12.340 min.
Rainfall intensity =      3.103(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.865
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.130
Decimal fraction soil group C = 0.870
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  83.39
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =     18.882(CFS)
Total initial stream area =        7.040(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station        4.200 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1199.800(Ft.)
Downstream point/station elevation =  1199.300(Ft.)
Pipe length  =    47.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    18.882(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    18.882(CFS)
Normal flow depth in pipe =   16.38(In.)
Flow top width inside pipe =   22.34(In.)
Critical Depth =   18.77(In.)
Pipe flow velocity =      8.27(Ft/s)
Travel time through pipe =    0.09 min.
Time of concentration (TC) =    12.43 min.


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Process from Point/Station        4.000 to Point/Station        4.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      7.040(Ac.)
Runoff from this stream =     18.882(CFS)
Time of concentration =   12.43 min.
Rainfall intensity =     3.089(In/Hr)
Program is now starting with Main Stream No. 3


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.300 to Point/Station        4.400
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   630.000(Ft.)
Top (of initial area) elevation =  1214.000(Ft.)
Bottom (of initial area) elevation =  1201.000(Ft.)
Difference in elevation =    13.000(Ft.)
Slope =    0.02063  s(percent)=       2.06
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   11.166 min.
Rainfall intensity =      3.278(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.846
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =     11.089(CFS)
Total initial stream area =        4.000(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station        4.400 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1201.000(Ft.)
Downstream point/station elevation =  1199.300(Ft.)
Pipe length  =    55.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    11.089(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    11.089(CFS)
Normal flow depth in pipe =   11.98(In.)
Flow top width inside pipe =   12.04(In.)
Critical depth could not be calculated.
Pipe flow velocity =     10.55(Ft/s)
Travel time through pipe =    0.09 min.
Time of concentration (TC) =    11.25 min.


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Process from Point/Station        4.000 to Point/Station        4.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 3
Stream flow area =      4.000(Ac.)
Runoff from this stream =     11.089(CFS)
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Time of concentration =   11.25 min.
Rainfall intensity =     3.264(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       90.312     17.15           2.589
2       18.882     12.43           3.089
3       11.089     11.25           3.264
Largest stream flow has longer time of concentration
Qp =     90.312 + sum of
           Qb         Ia/Ib
           18.882 *    0.838 =     15.823
           Qb         Ia/Ib
           11.089 *    0.793 =      8.796
Qp =    114.930

Total of 3 main streams to confluence:
Flow rates before confluence point:
      90.312      18.882      11.089
Area of streams before confluence:
       39.250        7.040        4.000


Results of confluence:
Total flow rate =    114.930(CFS)
Time of concentration =    17.148 min.
Effective stream area after confluence  =     50.290(Ac.)


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Process from Point/Station        4.000 to Point/Station        5.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1199.300(Ft.)
Downstream point/station elevation =  1194.520(Ft.)
Pipe length  =   492.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   114.930(CFS)
Nearest computed pipe diameter  =     45.00(In.)
Calculated individual pipe flow  =   114.930(CFS)
Normal flow depth in pipe =   35.53(In.)
Flow top width inside pipe =   36.68(In.)
Critical Depth =   38.95(In.)
Pipe flow velocity =     12.29(Ft/s)
Travel time through pipe =    0.67 min.
Time of concentration (TC) =    17.81 min.


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Process from Point/Station        5.000 to Point/Station        5.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.857
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.160
Decimal fraction soil group C = 0.840
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  83.15
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    17.81 min.
Rainfall intensity =      2.535(In/Hr) for a   100.0 year storm
Subarea runoff =      2.280(CFS) for      1.050(Ac.)
Total runoff =    117.210(CFS)    Total area =      51.340(Ac.)


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Process from Point/Station        5.000 to Point/Station        5.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.890
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.360
Decimal fraction soil group C = 0.640
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  81.46
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    17.81 min.
Rainfall intensity =      2.535(In/Hr) for a   100.0 year storm
Subarea runoff =      1.129(CFS) for      0.500(Ac.)
Total runoff =    118.339(CFS)    Total area =      51.840(Ac.)


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Process from Point/Station        5.000 to Point/Station        6.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1194.520(Ft.)
Downstream point/station elevation =  1173.300(Ft.)
Pipe length  =   510.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   118.339(CFS)
Nearest computed pipe diameter  =     36.00(In.)
Calculated individual pipe flow  =   118.339(CFS)
Normal flow depth in pipe =   25.97(In.)
Flow top width inside pipe =   32.28(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.68(Ft/s)
Travel time through pipe =    0.39 min.
Time of concentration (TC) =    18.21 min.


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Process from Point/Station        6.000 to Point/Station        6.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.860
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    18.21 min.
Rainfall intensity =      2.505(In/Hr) for a   100.0 year storm
Subarea runoff =      4.652(CFS) for      2.160(Ac.)
Total runoff =    122.990(CFS)    Total area =      54.000(Ac.)
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Process from Point/Station        6.000 to Point/Station        6.000
**** SUBAREA FLOW ADDITION ****
_____________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.844
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.590
Decimal fraction soil group C = 0.410
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  79.06
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    18.21 min.
Rainfall intensity =      2.505(In/Hr) for a   100.0 year storm
Subarea runoff =      5.225(CFS) for      2.470(Ac.)
Total runoff =    128.215(CFS)    Total area =      56.470(Ac.)


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Process from Point/Station        6.000 to Point/Station        7.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
_____________________________________________________________________________
Upstream point/station elevation =  1173.300(Ft.)
Downstream point/station elevation =  1152.000(Ft.)
Pipe length  =   313.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   128.215(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =   128.215(CFS)
Normal flow depth in pipe =   25.17(In.)
Flow top width inside pipe =   28.07(In.)
Critical depth could not be calculated.
Pipe flow velocity =     26.38(Ft/s)
Travel time through pipe =    0.20 min.
Time of concentration (TC) =    18.40 min.


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Process from Point/Station        7.000 to Point/Station        7.000
**** SUBAREA FLOW ADDITION ****
_____________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.859
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    18.40 min.
Rainfall intensity =      2.490(In/Hr) for a   100.0 year storm
Subarea runoff =      2.590(CFS) for      1.210(Ac.)
Total runoff =    130.805(CFS)    Total area =      57.680(Ac.)


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Process from Point/Station        7.000 to Point/Station        7.000
**** SUBAREA FLOW ADDITION ****
_____________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.852
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.330
Decimal fraction soil group C = 0.670
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  81.77
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    18.40 min.
Rainfall intensity =      2.490(In/Hr) for a   100.0 year storm
Subarea runoff =      8.677(CFS) for      4.090(Ac.)
Total runoff =    139.482(CFS)    Total area =      61.770(Ac.)


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Process from Point/Station        7.000 to Point/Station        8.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
_____________________________________________________________________________
Upstream point/station elevation =  1152.000(Ft.)
Downstream point/station elevation =  1120.000(Ft.)
Pipe length  =   410.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   139.482(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =   139.482(CFS)
Normal flow depth in pipe =   25.55(In.)
Flow top width inside pipe =   27.60(In.)
Critical depth could not be calculated.
Pipe flow velocity =     28.30(Ft/s)
Travel time through pipe =    0.24 min.
Time of concentration (TC) =    18.65 min.


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Process from Point/Station        8.000 to Point/Station        8.000
**** SUBAREA FLOW ADDITION ****
_____________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.859
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    18.65 min.
Rainfall intensity =      2.472(In/Hr) for a   100.0 year storm
Subarea runoff =      3.186(CFS) for      1.500(Ac.)
Total runoff =    142.668(CFS)    Total area =      63.270(Ac.)


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Process from Point/Station        8.000 to Point/Station        9.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
_____________________________________________________________________________
Upstream point/station elevation =  1120.000(Ft.)
Downstream point/station elevation =  1109.000(Ft.)
Pipe length  =   410.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   142.668(CFS)
Nearest computed pipe diameter  =     39.00(In.)
Calculated individual pipe flow  =   142.668(CFS)
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Normal flow depth in pipe =   34.31(In.)
Flow top width inside pipe =   25.36(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.44(Ft/s)
Travel time through pipe =    0.37 min.
Time of concentration (TC) =    19.02 min.


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Process from Point/Station        9.000 to Point/Station        9.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.841
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.670
Decimal fraction soil group C = 0.330
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  78.23
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.02 min.
Rainfall intensity =      2.446(In/Hr) for a   100.0 year storm
Subarea runoff =      6.456(CFS) for      3.140(Ac.)
Total runoff =    149.125(CFS)    Total area =      66.410(Ac.)


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Process from Point/Station        9.000 to Point/Station       10.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1109.000(Ft.)
Downstream point/station elevation =  1100.000(Ft.)
Pipe length  =   310.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   149.125(CFS)
Nearest computed pipe diameter  =     39.00(In.)
Calculated individual pipe flow  =   149.125(CFS)
Normal flow depth in pipe =   34.69(In.)
Flow top width inside pipe =   24.46(In.)
Critical depth could not be calculated.
Pipe flow velocity =     19.13(Ft/s)
Travel time through pipe =    0.27 min.
Time of concentration (TC) =    19.29 min.


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Process from Point/Station       10.000 to Point/Station       10.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.859
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.29 min.
Rainfall intensity =      2.427(In/Hr) for a   100.0 year storm
Subarea runoff =      3.479(CFS) for      1.670(Ac.)
Total runoff =    152.604(CFS)    Total area =      68.080(Ac.)


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Process from Point/Station       10.000 to Point/Station       11.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1100.000(Ft.)
Downstream point/station elevation =  1091.200(Ft.)
Pipe length  =   340.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   152.604(CFS)
Nearest computed pipe diameter  =     42.00(In.)
Calculated individual pipe flow  =   152.604(CFS)
Normal flow depth in pipe =   32.44(In.)
Flow top width inside pipe =   35.22(In.)
Critical depth could not be calculated.
Pipe flow velocity =     19.13(Ft/s)
Travel time through pipe =    0.30 min.
Time of concentration (TC) =    19.58 min.


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Process from Point/Station       11.000 to Point/Station       11.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.858
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.58 min.
Rainfall intensity =      2.407(In/Hr) for a   100.0 year storm
Subarea runoff =      3.222(CFS) for      1.560(Ac.)
Total runoff =    155.826(CFS)    Total area =      69.640(Ac.)


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Process from Point/Station       11.000 to Point/Station       11.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.857
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.050
Decimal fraction soil group C = 0.950
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.01
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.58 min.
Rainfall intensity =      2.407(In/Hr) for a   100.0 year storm
Subarea runoff =      4.001(CFS) for      1.940(Ac.)
Total runoff =    159.827(CFS)    Total area =      71.580(Ac.)
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Process from Point/Station       11.000 to Point/Station       12.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1091.200(Ft.)
Downstream point/station elevation =  1082.000(Ft.)
Pipe length  =   322.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   159.827(CFS)
Nearest computed pipe diameter  =     42.00(In.)
Calculated individual pipe flow  =   159.827(CFS)
Normal flow depth in pipe =   32.34(In.)
Flow top width inside pipe =   35.35(In.)
Critical depth could not be calculated.
Pipe flow velocity =     20.10(Ft/s)
Travel time through pipe =    0.27 min.
Time of concentration (TC) =    19.85 min.


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Process from Point/Station       12.000 to Point/Station       12.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.849
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.380
Decimal fraction soil group C = 0.620
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  81.25
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.85 min.
Rainfall intensity =      2.389(In/Hr) for a   100.0 year storm
Subarea runoff =      4.602(CFS) for      2.270(Ac.)
Total runoff =    164.429(CFS)    Total area =      73.850(Ac.)


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Process from Point/Station       12.000 to Point/Station       13.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1082.000(Ft.)
Downstream point/station elevation =  1068.000(Ft.)
Pipe length  =    60.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   164.429(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =   164.429(CFS)
Normal flow depth in pipe =   20.86(In.)
Flow top width inside pipe =   27.62(In.)
Critical depth could not be calculated.
Pipe flow velocity =     45.13(Ft/s)
Travel time through pipe =    0.02 min.
Time of concentration (TC) =    19.87 min.


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Process from Point/Station       13.000 to Point/Station       13.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.829
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.87 min.
Rainfall intensity =      2.387(In/Hr) for a   100.0 year storm
Subarea runoff =     10.584(CFS) for      5.350(Ac.)
Total runoff =    175.013(CFS)    Total area =      79.200(Ac.)


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Process from Point/Station       13.000 to Point/Station       13.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     79.200(Ac.)
Runoff from this stream =    175.013(CFS)
Time of concentration =   19.87 min.
Rainfall intensity =     2.387(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station       13.100 to Point/Station       13.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   434.000(Ft.)
Top (of initial area) elevation =  1094.000(Ft.)
Bottom (of initial area) elevation =  1078.000(Ft.)
Difference in elevation =    16.000(Ft.)
Slope =    0.03687  s(percent)=       3.69
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.565 min.
Rainfall intensity =      3.792(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.873
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =      4.533(CFS)
Total initial stream area =        1.370(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station       13.200 to Point/Station       13.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1078.000(Ft.)
Downstream point/station elevation =  1077.500(Ft.)
Pipe length  =    20.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     4.533(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =     4.533(CFS)
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Normal flow depth in pipe =    8.16(In.)
Flow top width inside pipe =   11.20(In.)
Critical Depth =   10.66(In.)
Pipe flow velocity =      7.98(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =     8.61 min.


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Process from Point/Station       13.300 to Point/Station       13.300
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.872
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     8.61 min.
Rainfall intensity =      3.782(In/Hr) for a   100.0 year storm
Subarea runoff =      4.092(CFS) for      1.240(Ac.)
Total runoff =      8.625(CFS)    Total area =       2.610(Ac.)


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Process from Point/Station       13.300 to Point/Station       13.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1077.500(Ft.)
Downstream point/station elevation =  1074.000(Ft.)
Pipe length  =   275.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     8.625(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =     8.625(CFS)
Normal flow depth in pipe =   11.39(In.)
Flow top width inside pipe =   17.35(In.)
Critical Depth =   13.65(In.)
Pipe flow velocity =      7.31(Ft/s)
Travel time through pipe =    0.63 min.
Time of concentration (TC) =     9.23 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       13.400 to Point/Station       13.400
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.871
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     9.23 min.
Rainfall intensity =      3.639(In/Hr) for a   100.0 year storm
Subarea runoff =      6.342(CFS) for      2.000(Ac.)
Total runoff =     14.968(CFS)    Total area =       4.610(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       13.400 to Point/Station       13.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1074.000(Ft.)
Downstream point/station elevation =  1073.000(Ft.)
Pipe length  =    74.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    14.968(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    14.968(CFS)
Normal flow depth in pipe =   14.37(In.)
Flow top width inside pipe =   19.52(In.)
Critical Depth =   17.21(In.)
Pipe flow velocity =      8.53(Ft/s)
Travel time through pipe =    0.14 min.
Time of concentration (TC) =     9.38 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       13.500 to Point/Station       13.500
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.871
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     9.38 min.
Rainfall intensity =      3.608(In/Hr) for a   100.0 year storm
Subarea runoff =      4.904(CFS) for      1.560(Ac.)
Total runoff =     19.871(CFS)    Total area =       6.170(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       13.500 to Point/Station       13.500
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.871
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     9.38 min.
Rainfall intensity =      3.608(In/Hr) for a   100.0 year storm
Subarea runoff =      4.935(CFS) for      1.570(Ac.)
Total runoff =     24.807(CFS)    Total area =       7.740(Ac.)
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       13.500 to Point/Station       13.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1073.000(Ft.)
Downstream point/station elevation =  1068.000(Ft.)
Pipe length  =   395.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    24.807(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    24.807(CFS)
Normal flow depth in pipe =   19.13(In.)
Flow top width inside pipe =   19.31(In.)
Critical Depth =   21.09(In.)
Pipe flow velocity =      9.23(Ft/s)
Travel time through pipe =    0.71 min.
Time of concentration (TC) =    10.09 min.


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Process from Point/Station       13.000 to Point/Station       13.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      7.740(Ac.)
Runoff from this stream =     24.807(CFS)
Time of concentration =   10.09 min.
Rainfall intensity =     3.465(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      175.013     19.87          2.387
2       24.807     10.09          3.465
Largest stream flow has longer time of concentration
Qp =    175.013 + sum of
           Qb         Ia/Ib
           24.807 *    0.689 =     17.088
Qp =    192.101

Total of 2 main streams to confluence:
Flow rates before confluence point:
     175.013      24.807
Area of streams before confluence:
       79.200        7.740


Results of confluence:
Total flow rate =    192.101(CFS)
Time of concentration =    19.872 min.
Effective stream area after confluence  =     86.940(Ac.)
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Process from Point/Station       13.000 to Point/Station       14.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1068.000(Ft.)
Downstream point/station elevation =  1067.000(Ft.)
Pipe length  =   274.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   192.101(CFS)
Nearest computed pipe diameter  =     66.00(In.)
Calculated individual pipe flow  =   192.101(CFS)
Normal flow depth in pipe =   51.19(In.)
Flow top width inside pipe =   55.07(In.)
Critical Depth =   46.56(In.)
Pipe flow velocity =      9.71(Ft/s)
Travel time through pipe =    0.47 min.
Time of concentration (TC) =    20.34 min.


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Process from Point/Station       14.000 to Point/Station       14.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     86.940(Ac.)
Runoff from this stream =    192.101(CFS)
Time of concentration =   20.34 min.
Rainfall intensity =     2.357(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       30.000 to Point/Station       30.100
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------------
Initial area flow distance =   620.000(Ft.)
Top (of initial area) elevation =  1250.000(Ft.)
Bottom (of initial area) elevation =  1209.000(Ft.)
Difference in elevation =    41.000(Ft.)
Slope =    0.06613  s(percent)=       6.61
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    6.761 min.
Rainfall intensity =      4.319(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.892
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =     22.682(CFS)
Total initial stream area =        5.890(Ac.)
Pervious area fraction = 0.100
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Process from Point/Station       30.100 to Point/Station       31.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of street segment elevation =  1218.000(Ft.)
End of street segment elevation =  1200.000(Ft.)
Length of street segment  =   515.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  18.000(Ft.)
Distance from crown to crossfall grade break  =  14.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  10.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   1.500(Ft.)
Gutter hike from flowline =  0.360(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     35.758(CFS)
Depth of flow =   0.353(Ft.), Average velocity =   5.748(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  17.637(Ft.)
Flow velocity =   5.75(Ft/s)
Travel time =    1.49 min.     TC =    8.25  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.891
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      3.870(In/Hr) for a   100.0 year storm
Subarea runoff =     25.957(CFS) for      7.530(Ac.)
Total runoff =     48.639(CFS)    Total area =      13.420(Ac.)
Street flow at end of street =     48.639(CFS)
Half street flow at end of street =     24.319(CFS)
Depth of flow =   0.390(Ft.), Average velocity =   6.443(Ft/s)
Note:  depth of flow exceeds top of street crown.
Flow width (from curb towards crown)=  18.000(Ft.)


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Process from Point/Station       31.000 to Point/Station       32.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1192.000(Ft.)
Downstream point/station elevation =  1170.400(Ft.)
Pipe length  =   174.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    48.639(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    48.639(CFS)
Normal flow depth in pipe =   15.16(In.)
Flow top width inside pipe =   18.81(In.)
Critical depth could not be calculated.
Pipe flow velocity =     26.15(Ft/s)
Travel time through pipe =    0.11 min.
Time of concentration (TC) =     8.37 min.


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Process from Point/Station       32.000 to Point/Station       32.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.891
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =     8.37 min.
Rainfall intensity =      3.842(In/Hr) for a   100.0 year storm
Subarea runoff =      6.159(CFS) for      1.800(Ac.)
Total runoff =     54.798(CFS)    Total area =      15.220(Ac.)


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Process from Point/Station       32.000 to Point/Station       33.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1170.400(Ft.)
Downstream point/station elevation =  1142.000(Ft.)
Pipe length  =   756.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    54.798(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =    54.798(CFS)
Normal flow depth in pipe =   20.27(In.)
Flow top width inside pipe =   23.36(In.)
Critical depth could not be calculated.
Pipe flow velocity =     17.11(Ft/s)
Travel time through pipe =    0.74 min.
Time of concentration (TC) =     9.10 min.


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Process from Point/Station       33.000 to Point/Station       33.000
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     15.220(Ac.)
Runoff from this stream =     54.798(CFS)
Time of concentration =    9.10 min.
Rainfall intensity =     3.668(In/Hr)


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Process from Point/Station       33.100 to Point/Station       33.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   755.000(Ft.)
Top (of initial area) elevation =  1210.000(Ft.)
Bottom (of initial area) elevation =  1163.000(Ft.)
Difference in elevation =    47.000(Ft.)
Slope =    0.06225  s(percent)=       6.23
TC = k(0.940)*[(length^3)/(elevation change)]^0.2
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Initial area time of concentration =   23.199 min.
Rainfall intensity =      2.192(In/Hr) for a   100.0 year storm
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.775
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.980
Decimal fraction soil group C = 0.020
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  79.01
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     22.609(CFS)
Total initial stream area =       13.310(Ac.)
Pervious area fraction = 1.000


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       33.200 to Point/Station       33.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1163.000(Ft.)
Downstream point/station elevation =  1144.000(Ft.)
Pipe length  =   150.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    22.609(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    22.609(CFS)
Normal flow depth in pipe =   12.07(In.)
Flow top width inside pipe =   11.89(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.36(Ft/s)
Travel time through pipe =    0.12 min.
Time of concentration (TC) =    23.32 min.


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Process from Point/Station       33.300 to Point/Station       33.300
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.886
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.800
Decimal fraction soil group C = 0.200
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  76.88
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    23.32 min.
Rainfall intensity =      2.186(In/Hr) for a   100.0 year storm
Subarea runoff =      6.238(CFS) for      3.220(Ac.)
Total runoff =     28.847(CFS)    Total area =      16.530(Ac.)


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Process from Point/Station       33.300 to Point/Station       33.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1144.000(Ft.)
Downstream point/station elevation =  1143.000(Ft.)
Pipe length  =    20.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    28.847(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    28.847(CFS)
Normal flow depth in pipe =   14.39(In.)
Flow top width inside pipe =   19.51(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.42(Ft/s)
Travel time through pipe =    0.02 min.
Time of concentration (TC) =    23.34 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       33.400 to Point/Station       33.400
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.885
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.890
Decimal fraction soil group C = 0.110
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  75.94
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    23.34 min.
Rainfall intensity =      2.185(In/Hr) for a   100.0 year storm
Subarea runoff =      4.470(CFS) for      2.310(Ac.)
Total runoff =     33.316(CFS)    Total area =      18.840(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       33.400 to Point/Station       33.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1143.000(Ft.)
Downstream point/station elevation =  1142.000(Ft.)
Pipe length  =   237.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    33.316(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    33.316(CFS)
Normal flow depth in pipe =   26.20(In.)
Flow top width inside pipe =   26.69(In.)
Critical Depth =   23.05(In.)
Pipe flow velocity =      6.59(Ft/s)
Travel time through pipe =    0.60 min.
Time of concentration (TC) =    23.94 min.


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Process from Point/Station       33.000 to Point/Station       33.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =     18.840(Ac.)
Runoff from this stream =     33.316(CFS)
Time of concentration =   23.94 min.
Rainfall intensity =     2.155(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)
```

```
1       54.798      9.10                3.668
2       33.316     23.94                2.155
Largest stream flow has longer or shorter time of concentration
Qp =     54.798 + sum of
           Qa          Tb/Ta
           33.316 *    0.380 =     12.668
Qp =     67.466

Total of 2 streams to confluence:
Flow rates before confluence point:
      54.798      33.316
Area of streams before confluence:
       15.220       18.840
Results of confluence:
Total flow rate =     67.466(CFS)
Time of concentration =     9.101 min.
Effective stream area after confluence =     34.060(Ac.)


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Process from Point/Station       33.000 to Point/Station       14.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1142.000(Ft.)
Downstream point/station elevation =  1067.000(Ft.)
Pipe length  =   210.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    67.466(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    67.466(CFS)
Normal flow depth in pipe =   13.10(In.)
Flow top width inside pipe =   20.35(In.)
Critical depth could not be calculated.
Pipe flow velocity =     42.76(Ft/s)
Travel time through pipe =    0.08 min.
Time of concentration (TC) =     9.18 min.


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Process from Point/Station       14.000 to Point/Station       14.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     34.060(Ac.)
Runoff from this stream =     67.466(CFS)
Time of concentration =    9.18 min.
Rainfall intensity =     3.650(In/Hr)
Program is now starting with Main Stream No. 3


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       20.000 to Point/Station       21.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   449.000(Ft.)
Top (of initial area) elevation =  1083.200(Ft.)
Bottom (of initial area) elevation =  1070.600(Ft.)
Difference in elevation =    12.600(Ft.)
Slope =    0.02806  s(percent)=       2.81
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.169 min.
Rainfall intensity =      3.653(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.865
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.400
Decimal fraction soil group C = 0.600
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  81.04
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =      5.306(CFS)
Total initial stream area =        1.680(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station       21.000 to Point/Station       22.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1070.600(Ft.)
Downstream point/station elevation =  1070.000(Ft.)
Pipe length  =   110.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     5.306(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =     5.306(CFS)
Normal flow depth in pipe =   10.92(In.)
Flow top width inside pipe =   17.58(In.)
Critical Depth =   10.65(In.)
Pipe flow velocity =      4.73(Ft/s)
Travel time through pipe =    0.39 min.
Time of concentration (TC) =     9.56 min.


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Process from Point/Station       22.000 to Point/Station       22.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.871
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     9.56 min.
Rainfall intensity =      3.571(In/Hr) for a   100.0 year storm
Subarea runoff =      5.193(CFS) for      1.670(Ac.)
Total runoff =     10.499(CFS)    Total area =       3.350(Ac.)


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Process from Point/Station       22.000 to Point/Station       22.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.857
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.700
Decimal fraction soil group C = 0.300
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Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  77.92
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     9.56 min.
Rainfall intensity =      3.571(In/Hr) for a   100.0 year storm
Subarea runoff =      1.989(CFS) for      0.650(Ac.)
Total runoff =     12.488(CFS)    Total area =       4.000(Ac.)


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Process from Point/Station       22.000 to Point/Station       23.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1070.000(Ft.)
Downstream point/station elevation =  1068.000(Ft.)
Pipe length  =   288.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    12.488(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    12.488(CFS)
Normal flow depth in pipe =   16.27(In.)
Flow top width inside pipe =   17.55(In.)
Critical Depth =   15.80(In.)
Pipe flow velocity =      6.24(Ft/s)
Travel time through pipe =    0.77 min.
Time of concentration (TC) =    10.33 min.


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Process from Point/Station       23.000 to Point/Station       23.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.893
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.300
Decimal fraction soil group C = 0.700
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  82.06
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    10.33 min.
Rainfall intensity =      3.422(In/Hr) for a   100.0 year storm
Subarea runoff =      2.078(CFS) for      0.680(Ac.)
Total runoff =     14.566(CFS)    Total area =       4.680(Ac.)


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Process from Point/Station       23.000 to Point/Station       24.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1068.000(Ft.)
Downstream point/station elevation =  1067.500(Ft.)
Pipe length  =    33.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    14.566(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    14.566(CFS)
Normal flow depth in pipe =   13.52(In.)
Flow top width inside pipe =   20.11(In.)
Critical Depth =   16.98(In.)
Pipe flow velocity =      8.89(Ft/s)
Travel time through pipe =    0.06 min.
Time of concentration (TC) =    10.39 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       24.000 to Point/Station       24.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.891
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.670
Decimal fraction soil group C = 0.330
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  78.23
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    10.39 min.
Rainfall intensity =      3.411(In/Hr) for a   100.0 year storm
Subarea runoff =      1.489(CFS) for      0.490(Ac.)
Total runoff =     16.055(CFS)    Total area =       5.170(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       24.000 to Point/Station       14.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1067.500(Ft.)
Downstream point/station elevation =  1067.000(Ft.)
Pipe length  =    85.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    16.055(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    16.055(CFS)
Normal flow depth in pipe =   18.23(In.)
Flow top width inside pipe =   20.51(In.)
Critical Depth =   17.34(In.)
Pipe flow velocity =      6.27(Ft/s)
Travel time through pipe =    0.23 min.
Time of concentration (TC) =    10.61 min.


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Process from Point/Station       14.000 to Point/Station       14.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 3
Stream flow area =      5.170(Ac.)
Runoff from this stream =     16.055(CFS)
Time of concentration =   10.61 min.
Rainfall intensity =     3.371(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      192.101     20.34          2.357
2       67.466      9.18          3.650
3       16.055     10.61          3.371
Largest stream flow has longer time of concentration
Qp =    192.101 + sum of
```

```
          Qb         Ia/Ib
          67.466 *    0.646 =     43.562
          Qb         Ia/Ib
          16.055 *    0.699 =     11.226
Qp =    246.890

Total of 3 main streams to confluence:
Flow rates before confluence point:
     192.101      67.466      16.055
Area of streams before confluence:
       86.940       34.060        5.170


Results of confluence:
Total flow rate =    246.890(CFS)
Time of concentration =    20.342 min.
Effective stream area after confluence  =    126.170(Ac.)


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Process from Point/Station       14.000 to Point/Station       14.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.808
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.540
Decimal fraction soil group C = 0.460
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  83.19
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    20.34 min.
Rainfall intensity =      2.357(In/Hr) for a   100.0 year storm
Subarea runoff =     14.828(CFS) for      7.790(Ac.)
Total runoff =    261.717(CFS)    Total area =     133.960(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       14.000 to Point/Station       15.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1060.000(Ft.)
Downstream point/station elevation =  1059.500(Ft.)
Pipe length  =   205.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   261.717(CFS)
Nearest computed pipe diameter  =     78.00(In.)
Calculated individual pipe flow  =   261.717(CFS)
Normal flow depth in pipe =   64.69(In.)
Flow top width inside pipe =   58.69(In.)
Critical Depth =   52.10(In.)
Pipe flow velocity =      8.89(Ft/s)
Travel time through pipe =    0.38 min.
Time of concentration (TC) =    20.73 min.


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Process from Point/Station       15.000 to Point/Station       15.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =    133.960(Ac.)
Runoff from this stream =    261.717(CFS)
Time of concentration =   20.73 min.
Rainfall intensity =     2.333(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station       15.100 to Point/Station       15.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   756.000(Ft.)
Top (of initial area) elevation =  1079.800(Ft.)
Bottom (of initial area) elevation =  1065.100(Ft.)
Difference in elevation =    14.700(Ft.)
Slope =    0.01944  s(percent)=       1.94
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   12.154 min.
Rainfall intensity =      3.128(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.843
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =      6.808(CFS)
Total initial stream area =        2.580(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station       15.200 to Point/Station       15.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1065.100(Ft.)
Downstream point/station elevation =  1064.000(Ft.)
Pipe length  =    57.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     6.808(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =     6.808(CFS)
Normal flow depth in pipe =    9.77(In.)
Flow top width inside pipe =   14.29(In.)
Critical Depth =   12.57(In.)
Pipe flow velocity =      8.04(Ft/s)
Travel time through pipe =    0.12 min.
Time of concentration (TC) =    12.27 min.


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Process from Point/Station       15.300 to Point/Station       15.300
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.843
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
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Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    12.27 min.
Rainfall intensity =      3.112(In/Hr) for a   100.0 year storm
Subarea runoff =      6.481(CFS) for      2.470(Ac.)
Total runoff =     13.290(CFS)    Total area =       5.050(Ac.)


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Process from Point/Station       15.300 to Point/Station       15.300
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.856
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.200
Decimal fraction soil group C = 0.800
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  89.20
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    12.27 min.
Rainfall intensity =      3.112(In/Hr) for a   100.0 year storm
Subarea runoff =      7.455(CFS) for      2.800(Ac.)
Total runoff =     20.745(CFS)    Total area =       7.850(Ac.)


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Process from Point/Station       15.300 to Point/Station       15.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1064.000(Ft.)
Downstream point/station elevation =  1059.500(Ft.)
Pipe length  =   100.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    20.745(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    20.745(CFS)
Normal flow depth in pipe =   13.76(In.)
Flow top width inside pipe =   15.28(In.)
Critical depth could not be calculated.
Pipe flow velocity =     14.33(Ft/s)
Travel time through pipe =    0.12 min.
Time of concentration (TC) =    12.39 min.


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Process from Point/Station       15.000 to Point/Station       15.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      7.850(Ac.)
Runoff from this stream =     20.745(CFS)
Time of concentration =   12.39 min.
Rainfall intensity =     3.096(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)

1      261.717     20.73           2.333
2       20.745     12.39           3.096
Largest stream flow has longer time of concentration
Qp =    261.717 + sum of
          Qb          Ia/Ib
          20.745 *    0.753 =     15.631
Qp =    277.348

Total of 2 main streams to confluence:
Flow rates before confluence point:
     261.717      20.745
Area of streams before confluence:
      133.960        7.850


Results of confluence:
Total flow rate =    277.348(CFS)
Time of concentration =    20.726 min.
Effective stream area after confluence  =    141.810(Ac.)


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Process from Point/Station       15.000 to Point/Station       16.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1059.500(Ft.)
Downstream point/station elevation =  1057.500(Ft.)
Pipe length  =   226.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   277.348(CFS)
Nearest computed pipe diameter  =     63.00(In.)
Calculated individual pipe flow  =   277.348(CFS)
Normal flow depth in pipe =   51.28(In.)
Flow top width inside pipe =   49.03(In.)
Critical Depth =   55.37(In.)
Pipe flow velocity =     14.70(Ft/s)
Travel time through pipe =    0.26 min.
Time of concentration (TC) =    20.98 min.


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Process from Point/Station       16.000 to Point/Station       16.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =    141.810(Ac.)
Runoff from this stream =    277.348(CFS)
Time of concentration =   20.98 min.
Rainfall intensity =     2.317(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station      200.000 to Point/Station      201.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   660.000(Ft.)
Top (of initial area) elevation =  1233.000(Ft.)
Bottom (of initial area) elevation =  1220.000(Ft.)
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Difference in elevation =    13.000(Ft.)
Slope =    0.01970  s(percent)=      1.97
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   11.482 min.
Rainfall intensity =      3.228(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.852
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.740
Decimal fraction soil group C = 0.260
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  77.50
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =     14.518(CFS)
Total initial stream area =        5.280(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station      201.000 to Point/Station      202.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =  1220.000(Ft.)
End of street segment elevation =  1192.000(Ft.)
Length of street segment  =   510.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  18.000(Ft.)
Distance from crown to crossfall grade break  =  14.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  10.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   1.500(Ft.)
Gutter hike from flowline =  0.360(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     33.051(CFS)
Depth of flow =   0.315(Ft.), Average velocity =   6.676(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  15.734(Ft.)
Flow velocity =   6.68(Ft/s)
Travel time =    1.27 min.     TC =   12.75  min.
 Adding area flow to street
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.866
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Rainfall intensity =      3.047(In/Hr) for a   100.0 year storm
Subarea runoff =     36.871(CFS) for     13.970(Ac.)
Total runoff =     51.389(CFS)    Total area =      19.250(Ac.)
Street flow at end of street =     51.389(CFS)
Half street flow at end of street =     25.694(CFS)
Depth of flow =   0.369(Ft.), Average velocity =   7.546(Ft/s)
Note:  depth of flow exceeds top of street crown.
Flow width (from curb towards crown)=  18.000(Ft.)


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Process from Point/Station      202.000 to Point/Station      203.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1192.000(Ft.)
Downstream point/station elevation =  1178.000(Ft.)
Pipe length  =   273.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    51.389(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    51.389(CFS)
Normal flow depth in pipe =   19.73(In.)
Flow top width inside pipe =   18.35(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.59(Ft/s)
Travel time through pipe =    0.24 min.
Time of concentration (TC) =    13.00 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      203.000 to Point/Station      203.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.846
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  87.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    13.00 min.
Rainfall intensity =      3.015(In/Hr) for a   100.0 year storm
Subarea runoff =      4.744(CFS) for      1.860(Ac.)
Total runoff =     56.133(CFS)    Total area =      21.110(Ac.)


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Process from Point/Station      203.000 to Point/Station      204.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1164.000(Ft.)
Downstream point/station elevation =  1163.000(Ft.)
Pipe length  =   125.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    56.133(CFS)
Nearest computed pipe diameter  =     36.00(In.)
Calculated individual pipe flow  =    56.133(CFS)
Normal flow depth in pipe =   27.75(In.)
Flow top width inside pipe =   30.26(In.)
Critical Depth =   29.17(In.)
Pipe flow velocity =      9.60(Ft/s)
Travel time through pipe =    0.22 min.
Time of concentration (TC) =    13.22 min.
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Process from Point/Station      204.000 to Point/Station      204.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.877
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    13.22 min.
Rainfall intensity =      2.987(In/Hr) for a   100.0 year storm
Subarea runoff =     16.293(CFS) for      6.220(Ac.)
Total runoff =     72.426(CFS)    Total area =      27.330(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      204.000 to Point/Station      205.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1163.000(Ft.)
Downstream point/station elevation =  1142.000(Ft.)
Pipe length  =   350.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    72.426(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =    72.426(CFS)
Normal flow depth in pipe =   21.09(In.)
Flow top width inside pipe =   22.32(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.72(Ft/s)
Travel time through pipe =    0.27 min.
Time of concentration (TC) =    13.49 min.


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Process from Point/Station      205.000 to Point/Station      205.000
**** CONFLUENCE OF MINOR STREAMS ****
----------------------------------------------------------------------------
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     27.330(Ac.)
Runoff from this stream =     72.426(CFS)
Time of concentration =   13.49 min.
Rainfall intensity =     2.955(In/Hr)


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Process from Point/Station      205.100 to Point/Station      205.200
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------------
Initial area flow distance =   953.000(Ft.)
Top (of initial area) elevation =  1730.000(Ft.)
Bottom (of initial area) elevation =  1215.000(Ft.)
Difference in elevation =   515.000(Ft.)
Slope =    0.54040  s(percent)=      54.04
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.319 min.
Rainfall intensity =      3.621(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.881
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     34.694(CFS)
Total initial stream area =       10.880(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station      205.200 to Point/Station      205.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1215.000(Ft.)
Downstream point/station elevation =  1162.800(Ft.)
Pipe length  =   610.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    34.694(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    34.694(CFS)
Normal flow depth in pipe =   13.55(In.)
Flow top width inside pipe =   20.10(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.14(Ft/s)
Travel time through pipe =    0.48 min.
Time of concentration (TC) =     9.80 min.


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Process from Point/Station      205.300 to Point/Station      205.300
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =     9.80 min.
Rainfall intensity =      3.522(In/Hr) for a   100.0 year storm
Subarea runoff =     43.616(CFS) for     14.070(Ac.)
Total runoff =     78.310(CFS)    Total area =      24.950(Ac.)


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Process from Point/Station      205.300 to Point/Station      205.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1162.800(Ft.)
Downstream point/station elevation =  1151.400(Ft.)
Pipe length  =   288.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    78.310(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =    78.310(CFS)
Normal flow depth in pipe =   23.58(In.)
Flow top width inside pipe =   24.61(In.)
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Critical depth could not be calculated.
Pipe flow velocity =     18.93(Ft/s)
Travel time through pipe =    0.25 min.
Time of concentration (TC) =    10.05 min.


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Process from Point/Station      205.400 to Point/Station      205.400
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    10.05 min.
Rainfall intensity =      3.473(In/Hr) for a   100.0 year storm
Subarea runoff =      8.464(CFS) for      2.770(Ac.)
Total runoff =     86.774(CFS)    Total area =      27.720(Ac.)


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Process from Point/Station      205.400 to Point/Station      205.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1151.400(Ft.)
Downstream point/station elevation =  1144.500(Ft.)
Pipe length  =   447.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    86.774(CFS)
Nearest computed pipe diameter  =     36.00(In.)
Calculated individual pipe flow  =    86.774(CFS)
Normal flow depth in pipe =   31.31(In.)
Flow top width inside pipe =   24.23(In.)
Critical Depth =   33.89(In.)
Pipe flow velocity =     13.29(Ft/s)
Travel time through pipe =    0.56 min.
Time of concentration (TC) =    10.61 min.


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Process from Point/Station      205.500 to Point/Station      205.500
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.879
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    10.61 min.
Rainfall intensity =      3.370(In/Hr) for a   100.0 year storm
Subarea runoff =     44.992(CFS) for     15.180(Ac.)
Total runoff =    131.766(CFS)    Total area =      42.900(Ac.)


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Process from Point/Station      205.500 to Point/Station      205.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1144.500(Ft.)
Downstream point/station elevation =  1142.000(Ft.)
Pipe length  =   405.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   131.766(CFS)
Nearest computed pipe diameter  =     51.00(In.)
Calculated individual pipe flow  =   131.766(CFS)
Normal flow depth in pipe =   41.53(In.)
Flow top width inside pipe =   39.66(In.)
Critical Depth =   40.96(In.)
Pipe flow velocity =     10.66(Ft/s)
Travel time through pipe =    0.63 min.
Time of concentration (TC) =    11.25 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      205.000 to Point/Station      205.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =     42.900(Ac.)
Runoff from this stream =    131.766(CFS)
Time of concentration =   11.25 min.
Rainfall intensity =     3.265(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       72.426     13.49                 2.955
2      131.766     11.25                 3.265
Largest stream flow has longer or shorter time of concentration
Qp =    131.766 + sum of
          Qa          Tb/Ta
          72.426 *    0.834 =     60.405
Qp =    192.171

Total of 2 streams to confluence:
Flow rates before confluence point:
      72.426     131.766
Area of streams before confluence:
       27.330       42.900
Results of confluence:
Total flow rate =    192.171(CFS)
Time of concentration =    11.247 min.
Effective stream area after confluence =     70.230(Ac.)


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Process from Point/Station      205.000 to Point/Station      206.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1142.000(Ft.)
Downstream point/station elevation =  1124.000(Ft.)
Pipe length  =   897.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   192.171(CFS)
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Nearest computed pipe diameter  =     48.00(In.)
Calculated individual pipe flow  =   192.171(CFS)
Normal flow depth in pipe =   37.13(In.)
Flow top width inside pipe =   40.19(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.42(Ft/s)
Travel time through pipe =    0.81 min.
Time of concentration (TC) =    12.06 min.


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Process from Point/Station      206.000 to Point/Station      206.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.861
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  90.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    12.06 min.
Rainfall intensity =      3.142(In/Hr) for a   100.0 year storm
Subarea runoff =     11.094(CFS) for      4.100(Ac.)
Total runoff =    203.265(CFS)    Total area =      74.330(Ac.)


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Process from Point/Station      206.000 to Point/Station      206.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.867
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    12.06 min.
Rainfall intensity =      3.142(In/Hr) for a   100.0 year storm
Subarea runoff =     11.499(CFS) for      4.220(Ac.)
Total runoff =    214.765(CFS)    Total area =      78.550(Ac.)


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Process from Point/Station      206.000 to Point/Station       16.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1124.000(Ft.)
Downstream point/station elevation =  1057.500(Ft.)
Pipe length  =   570.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   214.765(CFS)
Nearest computed pipe diameter  =     36.00(In.)
Calculated individual pipe flow  =   214.765(CFS)
Normal flow depth in pipe =   27.80(In.)
Flow top width inside pipe =   30.20(In.)
Critical depth could not be calculated.
Pipe flow velocity =     36.65(Ft/s)
Travel time through pipe =    0.26 min.
Time of concentration (TC) =    12.32 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       16.000 to Point/Station       16.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     78.550(Ac.)
Runoff from this stream =    214.765(CFS)
Time of concentration =   12.32 min.
Rainfall intensity =     3.105(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      277.348     20.98           2.317
2      214.765     12.32           3.105
Largest stream flow has longer time of concentration
Qp =    277.348 + sum of
           Qb         Ia/Ib
         214.765 *    0.746 =    160.228
Qp =    437.576

Total of 2 main streams to confluence:
Flow rates before confluence point:
     277.348     214.765
Area of streams before confluence:
      141.810       78.550


Results of confluence:
Total flow rate =    437.576(CFS)
Time of concentration =    20.983 min.
Effective stream area after confluence  =    220.360(Ac.)


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Process from Point/Station       16.000 to Point/Station       17.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1057.500(Ft.)
Downstream point/station elevation =  1057.000(Ft.)
Pipe length  =    30.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   437.576(CFS)
Nearest computed pipe diameter  =     66.00(In.)
Calculated individual pipe flow  =   437.576(CFS)
Normal flow depth in pipe =   54.66(In.)
Flow top width inside pipe =   49.80(In.)
Critical depth could not be calculated.
Pipe flow velocity =     20.79(Ft/s)
Travel time through pipe =    0.02 min.
Time of concentration (TC) =    21.01 min.
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Process from Point/Station       17.000 to Point/Station       17.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =    220.360(Ac.)
Runoff from this stream =    437.576(CFS)
Time of concentration =   21.01 min.
Rainfall intensity =     2.315(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       40.000 to Point/Station       41.000
**** INITIAL AREA EVALUATION ****
------------------------------------------------------------------------------
Initial area flow distance =   834.000(Ft.)
Top (of initial area) elevation =  1219.800(Ft.)
Bottom (of initial area) elevation =  1176.200(Ft.)
Difference in elevation =    43.600(Ft.)
Slope =    0.05228  s(percent)=       5.23
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   11.170 min.
Rainfall intensity =      3.277(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.862
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =      7.545(CFS)
Total initial stream area =        2.670(Ac.)
Pervious area fraction = 0.600


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Process from Point/Station       41.000 to Point/Station       41.100
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------------
Upstream point/station elevation =  1176.200(Ft.)
Downstream point/station elevation =  1176.000(Ft.)
Pipe length  =    47.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     7.545(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =     7.545(CFS)
Normal flow depth in pipe =   13.31(In.)
Flow top width inside pipe =   20.23(In.)
Critical Depth =   12.21(In.)
Pipe flow velocity =      4.69(Ft/s)
Travel time through pipe =    0.17 min.
Time of concentration (TC) =    11.34 min.


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Process from Point/Station       41.100 to Point/Station       41.100
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------------
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.862
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    11.34 min.
Rainfall intensity =      3.251(In/Hr) for a   100.0 year storm
Subarea runoff =      7.957(CFS) for      2.840(Ac.)
Total runoff =     15.502(CFS)    Total area =       5.510(Ac.)


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Process from Point/Station       41.100 to Point/Station       42.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------------
Upstream point/station elevation =  1176.000(Ft.)
Downstream point/station elevation =  1150.900(Ft.)
Pipe length  =   306.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    15.502(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    15.502(CFS)
Normal flow depth in pipe =   10.50(In.)
Flow top width inside pipe =   13.75(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.88(Ft/s)
Travel time through pipe =    0.30 min.
Time of concentration (TC) =    11.64 min.


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Process from Point/Station       42.000 to Point/Station       42.000
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------------
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.878
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    11.64 min.
Rainfall intensity =      3.204(In/Hr) for a   100.0 year storm
Subarea runoff =      7.457(CFS) for      2.650(Ac.)
Total runoff =     22.959(CFS)    Total area =       8.160(Ac.)


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Process from Point/Station       42.000 to Point/Station       43.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------------
Upstream point/station elevation =  1150.900(Ft.)
Downstream point/station elevation =  1150.400(Ft.)
Pipe length  =    40.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    22.959(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    22.959(CFS)
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Normal flow depth in pipe =   17.93(In.)
Flow top width inside pipe =   20.87(In.)
Critical Depth =   20.46(In.)
Pipe flow velocity =      9.12(Ft/s)
Travel time through pipe =    0.07 min.
Time of concentration (TC) =    11.71 min.


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Process from Point/Station       43.000 to Point/Station       43.000
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =      8.160(Ac.)
Runoff from this stream =     22.959(CFS)
Time of concentration =   11.71 min.
Rainfall intensity =     3.193(In/Hr)


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Process from Point/Station       43.100 to Point/Station       43.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   937.000(Ft.)
Top (of initial area) elevation =  1216.750(Ft.)
Bottom (of initial area) elevation =  1161.400(Ft.)
Difference in elevation =    55.350(Ft.)
Slope =    0.05907  s(percent)=       5.91
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   14.411 min.
Rainfall intensity =      2.849(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.876
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     10.128(CFS)
Total initial stream area =        4.060(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station       43.200 to Point/Station       43.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1164.400(Ft.)
Downstream point/station elevation =  1161.000(Ft.)
Pipe length  =    34.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    10.128(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =    10.128(CFS)
Normal flow depth in pipe =    8.89(In.)
Flow top width inside pipe =   10.51(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.23(Ft/s)
Travel time through pipe =    0.03 min.
Time of concentration (TC) =    14.45 min.


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Process from Point/Station       43.300 to Point/Station       43.300
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.893
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    14.45 min.
Rainfall intensity =      2.845(In/Hr) for a   100.0 year storm
Subarea runoff =      2.769(CFS) for      1.090(Ac.)
Total runoff =     12.896(CFS)    Total area =       5.150(Ac.)


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Process from Point/Station       43.300 to Point/Station       43.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1161.000(Ft.)
Downstream point/station elevation =  1151.500(Ft.)
Pipe length  =   710.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    12.896(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    12.896(CFS)
Normal flow depth in pipe =   12.98(In.)
Flow top width inside pipe =   20.40(In.)
Critical Depth =   16.05(In.)
Pipe flow velocity =      8.25(Ft/s)
Travel time through pipe =    1.43 min.
Time of concentration (TC) =    15.88 min.


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Process from Point/Station       43.400 to Point/Station       43.400
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.855
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    15.88 min.
Rainfall intensity =      2.701(In/Hr) for a   100.0 year storm
Subarea runoff =      7.918(CFS) for      3.430(Ac.)
Total runoff =     20.815(CFS)    Total area =       8.580(Ac.)
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Process from Point/Station       43.400 to Point/Station       43.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1151.500(Ft.)
Downstream point/station elevation =  1150.400(Ft.)
Pipe length  =    45.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    20.815(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    20.815(CFS)
Normal flow depth in pipe =   14.74(In.)
Flow top width inside pipe =   19.21(In.)
Critical Depth =   19.40(In.)
Pipe flow velocity =     11.54(Ft/s)
Travel time through pipe =    0.06 min.
Time of concentration (TC) =    15.94 min.


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Process from Point/Station       43.000 to Point/Station       43.000
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =      8.580(Ac.)
Runoff from this stream =     20.815(CFS)
Time of concentration =   15.94 min.
Rainfall intensity =     2.695(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       22.959     11.71                3.193
2       20.815     15.94                2.695
Largest stream flow has longer or shorter time of concentration
Qp =     22.959 + sum of
           Qa          Tb/Ta
           20.815 *    0.735 =     15.289
Qp =     38.248

Total of 2 streams to confluence:
Flow rates before confluence point:
      22.959      20.815
Area of streams before confluence:
        8.160        8.580
Results of confluence:
Total flow rate =     38.248(CFS)
Time of concentration =    11.712 min.
Effective stream area after confluence =     16.740(Ac.)


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Process from Point/Station       43.000 to Point/Station       44.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1150.400(Ft.)
Downstream point/station elevation =  1141.000(Ft.)
Pipe length  =   822.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    38.248(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =    38.248(CFS)
Normal flow depth in pipe =   21.68(In.)
Flow top width inside pipe =   26.86(In.)
Critical Depth =   25.08(In.)
Pipe flow velocity =     10.07(Ft/s)
Travel time through pipe =    1.36 min.
Time of concentration (TC) =    13.07 min.


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Process from Point/Station       44.000 to Point/Station       44.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.859
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    13.07 min.
Rainfall intensity =      3.006(In/Hr) for a   100.0 year storm
Subarea runoff =      9.192(CFS) for      3.560(Ac.)
Total runoff =     47.440(CFS)    Total area =      20.300(Ac.)


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Process from Point/Station       44.000 to Point/Station       44.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.859
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    13.07 min.
Rainfall intensity =      3.006(In/Hr) for a   100.0 year storm
Subarea runoff =      6.429(CFS) for      2.490(Ac.)
Total runoff =     53.869(CFS)    Total area =      22.790(Ac.)


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Process from Point/Station       44.000 to Point/Station       45.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1141.000(Ft.)
Downstream point/station elevation =  1140.500(Ft.)
Pipe length  =    35.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    53.869(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    53.869(CFS)
Normal flow depth in pipe =   23.41(In.)
Flow top width inside pipe =   29.96(In.)
Critical Depth =   28.75(In.)
Pipe flow velocity =     11.95(Ft/s)
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Travel time through pipe =    0.05 min.
Time of concentration (TC) =    13.12 min.


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Process from Point/Station       45.000 to Point/Station       45.000
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     22.790(Ac.)
Runoff from this stream =     53.869(CFS)
Time of concentration =   13.12 min.
Rainfall intensity =     2.999(In/Hr)


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Process from Point/Station       45.100 to Point/Station       45.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   652.000(Ft.)
Top (of initial area) elevation =  1210.000(Ft.)
Bottom (of initial area) elevation =  1162.500(Ft.)
Difference in elevation =    47.500(Ft.)
Slope =    0.07285  s(percent)=       7.29
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.472 min.
Rainfall intensity =      3.588(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.865
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =     10.587(CFS)
Total initial stream area =        3.410(Ac.)
Pervious area fraction = 0.600


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Process from Point/Station       45.200 to Point/Station       45.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1162.500(Ft.)
Downstream point/station elevation =  1162.000(Ft.)
Pipe length  =    55.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    10.587(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    10.587(CFS)
Normal flow depth in pipe =   12.96(In.)
Flow top width inside pipe =   20.42(In.)
Critical Depth =   14.55(In.)
Pipe flow velocity =      6.80(Ft/s)
Travel time through pipe =    0.13 min.
Time of concentration (TC) =     9.61 min.


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Process from Point/Station       45.300 to Point/Station       45.300
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.865
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     9.61 min.
Rainfall intensity =      3.560(In/Hr) for a   100.0 year storm
Subarea runoff =      4.805(CFS) for      1.560(Ac.)
Total runoff =     15.392(CFS)    Total area =       4.970(Ac.)


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Process from Point/Station       45.300 to Point/Station       45.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1162.000(Ft.)
Downstream point/station elevation =  1143.000(Ft.)
Pipe length  =   186.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    15.392(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    15.392(CFS)
Normal flow depth in pipe =    9.66(In.)
Flow top width inside pipe =   14.37(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.44(Ft/s)
Travel time through pipe =    0.17 min.
Time of concentration (TC) =     9.78 min.


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Process from Point/Station       45.400 to Point/Station       45.400
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.865
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     9.78 min.
Rainfall intensity =      3.527(In/Hr) for a   100.0 year storm
Subarea runoff =     12.930(CFS) for      4.240(Ac.)
Total runoff =     28.322(CFS)    Total area =       9.210(Ac.)
```

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Process from Point/Station       45.400 to Point/Station       45.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1143.000(Ft.)
Downstream point/station elevation =  1140.500(Ft.)
Pipe length  =    43.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    28.322(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    28.322(CFS)
Normal flow depth in pipe =   13.45(In.)
Flow top width inside pipe =   20.15(In.)
Critical depth could not be calculated.
Pipe flow velocity =     17.39(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =     9.82 min.


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Process from Point/Station       45.000 to Point/Station       45.000
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =      9.210(Ac.)
Runoff from this stream =     28.322(CFS)
Time of concentration =    9.82 min.
Rainfall intensity =     3.518(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       53.869     13.12                2.999
2       28.322      9.82                3.518
Largest stream flow has longer time of concentration
Qp =     53.869 + sum of
           Qb         Ia/Ib
           28.322 *    0.852 =     24.144
Qp =     78.013

Total of 2 streams to confluence:
Flow rates before confluence point:
      53.869      28.322
Area of streams before confluence:
       22.790        9.210
Results of confluence:
Total flow rate =     78.013(CFS)
Time of concentration =    13.122 min.
Effective stream area after confluence =     32.000(Ac.)


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Process from Point/Station       45.000 to Point/Station       46.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1140.500(Ft.)
Downstream point/station elevation =  1099.000(Ft.)
Pipe length  =   783.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    78.013(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =    78.013(CFS)
Normal flow depth in pipe =   20.79(In.)
Flow top width inside pipe =   27.68(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.49(Ft/s)
Travel time through pipe =    0.61 min.
Time of concentration (TC) =    13.73 min.


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Process from Point/Station       46.000 to Point/Station       46.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.858
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    13.73 min.
Rainfall intensity =      2.926(In/Hr) for a   100.0 year storm
Subarea runoff =     11.121(CFS) for      4.430(Ac.)
Total runoff =     89.134(CFS)    Total area =      36.430(Ac.)


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Process from Point/Station       46.000 to Point/Station       46.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.858
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    13.73 min.
Rainfall intensity =      2.926(In/Hr) for a   100.0 year storm
Subarea runoff =      5.523(CFS) for      2.200(Ac.)
Total runoff =     94.657(CFS)    Total area =      38.630(Ac.)


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Process from Point/Station       46.000 to Point/Station       47.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1099.000(Ft.)
Downstream point/station elevation =  1077.000(Ft.)
Pipe length  =   550.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    94.657(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    94.657(CFS)
Normal flow depth in pipe =   24.38(In.)
Flow top width inside pipe =   29.00(In.)
Critical depth could not be calculated.
Pipe flow velocity =     20.14(Ft/s)
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Travel time through pipe =    0.46 min.
Time of concentration (TC) =    14.18 min.


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Process from Point/Station       47.000 to Point/Station       47.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.858
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  90.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    14.18 min.
Rainfall intensity =      2.874(In/Hr) for a   100.0 year storm
Subarea runoff =     12.152(CFS) for      4.930(Ac.)
Total runoff =    106.809(CFS)    Total area =      43.560(Ac.)


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Process from Point/Station       47.000 to Point/Station       47.000
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     43.560(Ac.)
Runoff from this stream =    106.809(CFS)
Time of concentration =   14.18 min.
Rainfall intensity =     2.874(In/Hr)


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Process from Point/Station       47.100 to Point/Station       47.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   492.000(Ft.)
Top (of initial area) elevation =  1131.000(Ft.)
Bottom (of initial area) elevation =  1079.000(Ft.)
Difference in elevation =    52.000(Ft.)
Slope =    0.10569  s(percent)=      10.57
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.856 min.
Rainfall intensity =      3.977(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.868
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =      9.118(CFS)
Total initial stream area =        2.640(Ac.)
Pervious area fraction = 0.600

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Process from Point/Station       47.200 to Point/Station       47.200
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.868
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     7.86 min.
Rainfall intensity =      3.977(In/Hr) for a   100.0 year storm
Subarea runoff =      4.214(CFS) for      1.220(Ac.)
Total runoff =     13.332(CFS)    Total area =       3.860(Ac.)


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Process from Point/Station       47.200 to Point/Station       47.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1079.000(Ft.)
Downstream point/station elevation =  1077.000(Ft.)
Pipe length  =    78.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    13.332(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    13.332(CFS)
Normal flow depth in pipe =   12.09(In.)
Flow top width inside pipe =   16.90(In.)
Critical Depth =   16.34(In.)
Pipe flow velocity =     10.56(Ft/s)
Travel time through pipe =    0.12 min.
Time of concentration (TC) =     7.98 min.


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Process from Point/Station       47.000 to Point/Station       47.000
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =      3.860(Ac.)
Runoff from this stream =     13.332(CFS)
Time of concentration =    7.98 min.
Rainfall intensity =     3.943(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      106.809     14.18                2.874
2       13.332      7.98                3.943
Largest stream flow has longer time of concentration
Qp =    106.809 + sum of
          Qb         Ia/Ib
          13.332 *    0.729 =      9.716
Qp =    116.525

Total of 2 streams to confluence:
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Flow rates before confluence point:
     106.809      13.332
Area of streams before confluence:
       43.560        3.860
Results of confluence:
Total flow rate =    116.525(CFS)
Time of concentration =    14.184 min.
Effective stream area after confluence =     47.420(Ac.)


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Process from Point/Station       47.000 to Point/Station       17.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1071.000(Ft.)
Downstream point/station elevation =  1057.000(Ft.)
Pipe length  =   310.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   116.525(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =   116.525(CFS)
Normal flow depth in pipe =   28.31(In.)
Flow top width inside pipe =   23.04(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.50(Ft/s)
Travel time through pipe =    0.24 min.
Time of concentration (TC) =    14.42 min.


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Process from Point/Station       17.000 to Point/Station       17.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     47.420(Ac.)
Runoff from this stream =    116.525(CFS)
Time of concentration =   14.42 min.
Rainfall intensity =     2.847(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1      437.576     21.01          2.315
2      116.525     14.42          2.847
Largest stream flow has longer time of concentration
Qp =    437.576 + sum of
          Qb         Ia/Ib
         116.525 *    0.813 =     94.759
Qp =    532.335

Total of 2 main streams to confluence:
Flow rates before confluence point:
     437.576     116.525
Area of streams before confluence:
      220.360       47.420


Results of confluence:
Total flow rate =    532.335(CFS)
Time of concentration =    21.007 min.
Effective stream area after confluence  =    267.780(Ac.)
End of computations, total study area =          267.78 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.654
Area averaged RI index number =  68.9
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 01/06/22  File:AREAB10.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------

Program License Serial Number 6406

------------------------------------------------------------------------
PROPOSED RATIONAL STUDY, DRAINAGE AREAS B,C & D
10-YEAR STORM, RIO VISTA DEVELOPMENT
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =   10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.859(In/Hr)
Slope of intensity duration curve = 0.5500


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        1.000 to Point/Station        2.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   794.000(Ft.)
Top (of initial area) elevation =  1216.500(Ft.)
Bottom (of initial area) elevation =  1208.600(Ft.)
Difference in elevation =     7.900(Ft.)
Slope =    0.00995  s(percent)=       0.99
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.902 min.
Rainfall intensity =      2.193(In/Hr) for a    10.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.875
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.580
Decimal fraction soil group C = 0.420
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  61.46
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =      1.497(CFS)
Total initial stream area =        0.780(Ac.)
Pervious area fraction = 0.100


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Process from Point/Station        2.000 to Point/Station        2.100
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1203.600(Ft.)
Downstream point/station elevation =  1202.700(Ft.)
Pipe length  =    18.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     1.497(CFS)
Nearest computed pipe diameter  =      9.00(In.)
Calculated individual pipe flow  =     1.497(CFS)
Normal flow depth in pipe =    3.98(In.)
Flow top width inside pipe =    8.94(In.)
Critical Depth =    6.76(In.)
Pipe flow velocity =      7.93(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =    10.94 min.


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Process from Point/Station        2.100 to Point/Station        2.100
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      0.780(Ac.)
Runoff from this stream =      1.497(CFS)
Time of concentration =   10.94 min.
Rainfall intensity =     2.189(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station        2.110 to Point/Station        2.120
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   350.000(Ft.)
Top (of initial area) elevation =  1223.000(Ft.)
Bottom (of initial area) elevation =  1207.000(Ft.)
Difference in elevation =    16.000(Ft.)
Slope =    0.04571  s(percent)=       4.57
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.107 min.
Rainfall intensity =      2.582(In/Hr) for a    10.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.745
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.980
Decimal fraction soil group C = 0.020
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.26
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =     10.274(CFS)
Total initial stream area =        5.340(Ac.)
Pervious area fraction = 0.600
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Process from Point/Station        2.120 to Point/Station        2.100
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1207.000(Ft.)
Downstream point/station elevation =  1202.700(Ft.)
Pipe length  =   400.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    10.274(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    10.274(CFS)
Normal flow depth in pipe =   13.92(In.)
Flow top width inside pipe =   15.07(In.)
Critical Depth =   14.81(In.)
Pipe flow velocity =      7.01(Ft/s)
Travel time through pipe =    0.95 min.
Time of concentration (TC) =     9.06 min.


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Process from Point/Station        2.100 to Point/Station        2.100
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      5.340(Ac.)
Runoff from this stream =     10.274(CFS)
Time of concentration =    9.06 min.
Rainfall intensity =     2.429(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1        1.497     10.94          2.189
2       10.274      9.06          2.429
Largest stream flow has longer or shorter time of concentration
Qp =     10.274 + sum of
           Qa          Tb/Ta
            1.497 *    0.828 =      1.240
Qp =     11.514

Total of 2 main streams to confluence:
Flow rates before confluence point:
       1.497      10.274
Area of streams before confluence:
        0.780        5.340


Results of confluence:
Total flow rate =     11.514(CFS)
Time of concentration =     9.058 min.
Effective stream area after confluence  =      6.120(Ac.)


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Process from Point/Station        2.100 to Point/Station        3.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1202.700(Ft.)
Downstream point/station elevation =  1200.900(Ft.)
Pipe length  =    40.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    11.514(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    11.514(CFS)
Normal flow depth in pipe =   10.52(In.)
Flow top width inside pipe =   13.73(In.)
Critical depth could not be calculated.
Pipe flow velocity =     12.51(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =     9.11 min.


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Process from Point/Station        3.000 to Point/Station        3.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      6.120(Ac.)
Runoff from this stream =     11.514(CFS)
Time of concentration =    9.11 min.
Rainfall intensity =     2.421(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station        3.100 to Point/Station        3.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   850.000(Ft.)
Top (of initial area) elevation =  1525.000(Ft.)
Bottom (of initial area) elevation =  1299.700(Ft.)
Difference in elevation =   225.300(Ft.)
Slope =    0.26506  s(percent)=      26.51
TC = k(0.710)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   13.752 min.
Rainfall intensity =      1.930(In/Hr) for a    10.0 year storm
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.740
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.280
Decimal fraction soil group C = 0.720
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  76.20
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      7.203(CFS)
Total initial stream area =        5.040(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station        3.200 to Point/Station        3.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1299.700(Ft.)
Downstream point/station elevation =  1299.500(Ft.)
Pipe length  =    28.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     7.203(CFS)
Nearest computed pipe diameter  =     18.00(In.)
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Calculated individual pipe flow  =     7.203(CFS)
Normal flow depth in pipe =   12.30(In.)
Flow top width inside pipe =   16.74(In.)
Critical Depth =   12.47(In.)
Pipe flow velocity =      5.60(Ft/s)
Travel time through pipe =    0.08 min.
Time of concentration (TC) =    13.84 min.


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Process from Point/Station        3.300 to Point/Station        3.300
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.765
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.120
Decimal fraction soil group C = 0.880
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  67.44
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    13.84 min.
Rainfall intensity =      1.924(In/Hr) for a    10.0 year storm
Subarea runoff =      1.559(CFS) for      1.060(Ac.)
Total runoff =      8.762(CFS)    Total area =       6.100(Ac.)


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Process from Point/Station        3.300 to Point/Station        3.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1299.500(Ft.)
Downstream point/station elevation =  1229.500(Ft.)
Pipe length  =   700.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     8.762(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =     8.762(CFS)
Normal flow depth in pipe =    7.96(In.)
Flow top width inside pipe =   11.34(In.)
Critical depth could not be calculated.
Pipe flow velocity =     15.86(Ft/s)
Travel time through pipe =    0.74 min.
Time of concentration (TC) =    14.57 min.


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Process from Point/Station        3.400 to Point/Station        3.400
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.717
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.840
Decimal fraction soil group C = 0.160
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  58.08
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    14.57 min.
Rainfall intensity =      1.870(In/Hr) for a    10.0 year storm
Subarea runoff =      2.827(CFS) for      2.110(Ac.)
Total runoff =     11.589(CFS)    Total area =       8.210(Ac.)


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Process from Point/Station        3.400 to Point/Station        3.400
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.875
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.280
Decimal fraction soil group C = 0.720
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  65.36
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    14.57 min.
Rainfall intensity =      1.870(In/Hr) for a    10.0 year storm
Subarea runoff =      3.225(CFS) for      1.970(Ac.)
Total runoff =     14.814(CFS)    Total area =      10.180(Ac.)


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Process from Point/Station        3.400 to Point/Station        3.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1229.500(Ft.)
Downstream point/station elevation =  1219.500(Ft.)
Pipe length  =   860.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    14.814(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    14.814(CFS)
Normal flow depth in pipe =   15.12(In.)
Flow top width inside pipe =   18.86(In.)
Critical Depth =   17.11(In.)
Pipe flow velocity =      8.00(Ft/s)
Travel time through pipe =    1.79 min.
Time of concentration (TC) =    16.36 min.


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Process from Point/Station        3.500 to Point/Station        3.500
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.698
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    16.36 min.
Rainfall intensity =      1.754(In/Hr) for a    10.0 year storm
Subarea runoff =     16.265(CFS) for     13.280(Ac.)
Total runoff =     31.079(CFS)    Total area =      23.460(Ac.)
```

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Process from Point/Station        3.500 to Point/Station        3.600
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1219.500(Ft.)
Downstream point/station elevation =  1214.260(Ft.)
Pipe length  =   157.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    31.079(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    31.079(CFS)
Normal flow depth in pipe =   15.54(In.)
Flow top width inside pipe =   22.93(In.)
Critical Depth =   22.52(In.)
Pipe flow velocity =     14.45(Ft/s)
Travel time through pipe =    0.18 min.
Time of concentration (TC) =    16.54 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.600 to Point/Station        3.600
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.697
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    16.54 min.
Rainfall intensity =      1.744(In/Hr) for a    10.0 year storm
Subarea runoff =      4.037(CFS) for      3.320(Ac.)
Total runoff =     35.116(CFS)    Total area =      26.780(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.600 to Point/Station        3.600
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.697
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    16.54 min.
Rainfall intensity =      1.744(In/Hr) for a    10.0 year storm
Subarea runoff =      0.997(CFS) for      0.820(Ac.)
Total runoff =     36.113(CFS)    Total area =      27.600(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.600 to Point/Station        3.700
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1214.260(Ft.)
Downstream point/station elevation =  1214.000(Ft.)
Pipe length  =    40.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    36.113(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    36.113(CFS)
Normal flow depth in pipe =   23.30(In.)
Flow top width inside pipe =   30.07(In.)
Critical Depth =   24.00(In.)
Pipe flow velocity =      8.05(Ft/s)
Travel time through pipe =    0.08 min.
Time of concentration (TC) =    16.63 min.


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Process from Point/Station        3.700 to Point/Station        3.700
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.866
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    16.63 min.
Rainfall intensity =      1.739(In/Hr) for a    10.0 year storm
Subarea runoff =      2.500(CFS) for      1.660(Ac.)
Total runoff =     38.613(CFS)    Total area =      29.260(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.700 to Point/Station        3.700
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.866
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    16.63 min.
Rainfall intensity =      1.739(In/Hr) for a    10.0 year storm
Subarea runoff =      1.717(CFS) for      1.140(Ac.)
Total runoff =     40.330(CFS)    Total area =      30.400(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.700 to Point/Station        3.800
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1214.000(Ft.)
Downstream point/station elevation =  1201.400(Ft.)
Pipe length  =   285.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    40.330(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    40.330(CFS)
Normal flow depth in pipe =   16.97(In.)
Flow top width inside pipe =   21.85(In.)
```

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Critical depth could not be calculated.
Pipe flow velocity =     16.99(Ft/s)
Travel time through pipe =    0.28 min.
Time of concentration (TC) =    16.91 min.


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Process from Point/Station        3.800 to Point/Station        3.800
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.866
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    16.91 min.
Rainfall intensity =      1.723(In/Hr) for a    10.0 year storm
Subarea runoff =      0.761(CFS) for      0.510(Ac.)
Total runoff =     41.092(CFS)    Total area =      30.910(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.800 to Point/Station        3.800
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.867
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.900
Decimal fraction soil group C = 0.100
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  57.30
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    16.91 min.
Rainfall intensity =      1.723(In/Hr) for a    10.0 year storm
Subarea runoff =      3.317(CFS) for      2.220(Ac.)
Total runoff =     44.408(CFS)    Total area =      33.130(Ac.)


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Process from Point/Station        3.800 to Point/Station        3.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1201.400(Ft.)
Downstream point/station elevation =  1200.900(Ft.)
Pipe length  =   135.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    44.408(CFS)
Nearest computed pipe diameter  =     39.00(In.)
Calculated individual pipe flow  =    44.408(CFS)
Normal flow depth in pipe =   28.50(In.)
Flow top width inside pipe =   34.60(In.)
Critical Depth =   25.50(In.)
Pipe flow velocity =      6.84(Ft/s)
Travel time through pipe =    0.33 min.
Time of concentration (TC) =    17.24 min.


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Process from Point/Station        3.000 to Point/Station        3.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     33.130(Ac.)
Runoff from this stream =     44.408(CFS)
Time of concentration =   17.24 min.
Rainfall intensity =     1.705(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       11.514      9.11           2.421
2       44.408     17.24           1.705
Largest stream flow has longer time of concentration
Qp =     44.408 + sum of
           Qb         Ia/Ib
           11.514 *    0.704 =      8.109
Qp =     52.517

Total of 2 main streams to confluence:
Flow rates before confluence point:
      11.514      44.408
Area of streams before confluence:
        6.120       33.130


Results of confluence:
Total flow rate =     52.517(CFS)
Time of concentration =    17.235 min.
Effective stream area after confluence  =     39.250(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.000 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1200.900(Ft.)
Downstream point/station elevation =  1199.300(Ft.)
Pipe length  =   188.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    52.517(CFS)
Nearest computed pipe diameter  =     36.00(In.)
Calculated individual pipe flow  =    52.517(CFS)
Normal flow depth in pipe =   25.59(In.)
Flow top width inside pipe =   32.64(In.)
Critical Depth =   28.27(In.)
Pipe flow velocity =      9.78(Ft/s)
Travel time through pipe =    0.32 min.
Time of concentration (TC) =    17.56 min.
```

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Process from Point/Station        4.000 to Point/Station        4.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     39.250(Ac.)
Runoff from this stream =     52.517(CFS)
Time of concentration =   17.56 min.
Rainfall intensity =     1.688(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.100 to Point/Station        4.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   862.000(Ft.)
Top (of initial area) elevation =  1220.000(Ft.)
Bottom (of initial area) elevation =  1199.800(Ft.)
Difference in elevation =    20.200(Ft.)
Slope =    0.02343  s(percent)=       2.34
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   12.340 min.
Rainfall intensity =      2.049(In/Hr) for a    10.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.792
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.130
Decimal fraction soil group C = 0.870
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  67.31
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =     11.424(CFS)
Total initial stream area =        7.040(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station        4.200 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1199.800(Ft.)
Downstream point/station elevation =  1199.300(Ft.)
Pipe length  =    47.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    11.424(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    11.424(CFS)
Normal flow depth in pipe =   12.94(In.)
Flow top width inside pipe =   20.43(In.)
Critical Depth =   15.11(In.)
Pipe flow velocity =      7.35(Ft/s)
Travel time through pipe =    0.11 min.
Time of concentration (TC) =    12.45 min.


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Process from Point/Station        4.000 to Point/Station        4.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      7.040(Ac.)
Runoff from this stream =     11.424(CFS)
Time of concentration =   12.45 min.
Rainfall intensity =     2.039(In/Hr)
Program is now starting with Main Stream No. 3


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.300 to Point/Station        4.400
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   630.000(Ft.)
Top (of initial area) elevation =  1214.000(Ft.)
Bottom (of initial area) elevation =  1201.000(Ft.)
Difference in elevation =    13.000(Ft.)
Slope =    0.02063  s(percent)=       2.06
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   11.166 min.
Rainfall intensity =      2.165(In/Hr) for a    10.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.753
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =      6.523(CFS)
Total initial stream area =        4.000(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station        4.400 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1201.000(Ft.)
Downstream point/station elevation =  1199.300(Ft.)
Pipe length  =    55.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     6.523(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =     6.523(CFS)
Normal flow depth in pipe =    8.15(In.)
Flow top width inside pipe =   14.94(In.)
Critical Depth =   12.34(In.)
Pipe flow velocity =      9.57(Ft/s)
Travel time through pipe =    0.10 min.
Time of concentration (TC) =    11.26 min.


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Process from Point/Station        4.000 to Point/Station        4.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 3
Stream flow area =      4.000(Ac.)
Runoff from this stream =      6.523(CFS)
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Time of concentration =   11.26 min.
Rainfall intensity =     2.155(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       52.517     17.56          1.688
2       11.424     12.45          2.039
3        6.523     11.26          2.155
Largest stream flow has longer time of concentration
Qp =     52.517 + sum of
           Qb         Ia/Ib
           11.424 *    0.828 =      9.454
           Qb         Ia/Ib
            6.523 *    0.783 =      5.109
Qp =     67.081

Total of 3 main streams to confluence:
Flow rates before confluence point:
      52.517      11.424       6.523
Area of streams before confluence:
       39.250        7.040        4.000


Results of confluence:
Total flow rate =     67.081(CFS)
Time of concentration =    17.556 min.
Effective stream area after confluence  =     50.290(Ac.)


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Process from Point/Station        4.000 to Point/Station        5.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1199.300(Ft.)
Downstream point/station elevation =  1194.520(Ft.)
Pipe length  =   492.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    67.081(CFS)
Nearest computed pipe diameter  =     36.00(In.)
Calculated individual pipe flow  =    67.081(CFS)
Normal flow depth in pipe =   30.19(In.)
Flow top width inside pipe =   26.49(In.)
Critical Depth =   31.42(In.)
Pipe flow velocity =     10.59(Ft/s)
Travel time through pipe =    0.77 min.
Time of concentration (TC) =    18.33 min.


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Process from Point/Station        5.000 to Point/Station        5.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.771
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.160
Decimal fraction soil group C = 0.840
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  66.92
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    18.33 min.
Rainfall intensity =      1.648(In/Hr) for a    10.0 year storm
Subarea runoff =      1.335(CFS) for      1.050(Ac.)
Total runoff =     68.416(CFS)    Total area =      51.340(Ac.)


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Process from Point/Station        5.000 to Point/Station        5.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.872
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.360
Decimal fraction soil group C = 0.640
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  64.32
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    18.33 min.
Rainfall intensity =      1.648(In/Hr) for a    10.0 year storm
Subarea runoff =      0.719(CFS) for      0.500(Ac.)
Total runoff =     69.135(CFS)    Total area =      51.840(Ac.)


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Process from Point/Station        5.000 to Point/Station        6.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1194.520(Ft.)
Downstream point/station elevation =  1173.300(Ft.)
Pipe length  =   510.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    69.135(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =    69.135(CFS)
Normal flow depth in pipe =   20.79(In.)
Flow top width inside pipe =   27.68(In.)
Critical depth could not be calculated.
Pipe flow velocity =     19.04(Ft/s)
Travel time through pipe =    0.45 min.
Time of concentration (TC) =    18.78 min.


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Process from Point/Station        6.000 to Point/Station        6.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.779
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    18.78 min.
Rainfall intensity =      1.627(In/Hr) for a    10.0 year storm
Subarea runoff =      2.736(CFS) for      2.160(Ac.)
Total runoff =     71.871(CFS)    Total area =      54.000(Ac.)
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Process from Point/Station        6.000 to Point/Station        6.000
**** SUBAREA FLOW ADDITION ****
_____________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.747
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.590
Decimal fraction soil group C = 0.410
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  61.33
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    18.78 min.
Rainfall intensity =      1.627(In/Hr) for a    10.0 year storm
Subarea runoff =      3.000(CFS) for      2.470(Ac.)
Total runoff =     74.871(CFS)    Total area =      56.470(Ac.)


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Process from Point/Station        6.000 to Point/Station        7.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
_____________________________________________________________________________
Upstream point/station elevation =  1173.300(Ft.)
Downstream point/station elevation =  1152.000(Ft.)
Pipe length  =   313.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    74.871(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =    74.871(CFS)
Normal flow depth in pipe =   20.53(In.)
Flow top width inside pipe =   23.05(In.)
Critical depth could not be calculated.
Pipe flow velocity =     23.07(Ft/s)
Travel time through pipe =    0.23 min.
Time of concentration (TC) =    19.00 min.


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Process from Point/Station        7.000 to Point/Station        7.000
**** SUBAREA FLOW ADDITION ****
_____________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.778
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.00 min.
Rainfall intensity =      1.616(In/Hr) for a    10.0 year storm
Subarea runoff =      1.522(CFS) for      1.210(Ac.)
Total runoff =     76.393(CFS)    Total area =      57.680(Ac.)


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Process from Point/Station        7.000 to Point/Station        7.000
**** SUBAREA FLOW ADDITION ****
_____________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.760
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.330
Decimal fraction soil group C = 0.670
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  64.71
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.00 min.
Rainfall intensity =      1.616(In/Hr) for a    10.0 year storm
Subarea runoff =      5.025(CFS) for      4.090(Ac.)
Total runoff =     81.418(CFS)    Total area =      61.770(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        7.000 to Point/Station        8.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
_____________________________________________________________________________
Upstream point/station elevation =  1152.000(Ft.)
Downstream point/station elevation =  1120.000(Ft.)
Pipe length  =   410.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    81.418(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =    81.418(CFS)
Normal flow depth in pipe =   20.81(In.)
Flow top width inside pipe =   22.70(In.)
Critical depth could not be calculated.
Pipe flow velocity =     24.74(Ft/s)
Travel time through pipe =    0.28 min.
Time of concentration (TC) =    19.28 min.


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Process from Point/Station        8.000 to Point/Station        8.000
**** SUBAREA FLOW ADDITION ****
_____________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.778
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.28 min.
Rainfall intensity =      1.603(In/Hr) for a    10.0 year storm
Subarea runoff =      1.870(CFS) for      1.500(Ac.)
Total runoff =     83.288(CFS)    Total area =      63.270(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        8.000 to Point/Station        9.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
_____________________________________________________________________________
Upstream point/station elevation =  1120.000(Ft.)
Downstream point/station elevation =  1109.000(Ft.)
Pipe length  =   410.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    83.288(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    83.288(CFS)
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Normal flow depth in pipe =   25.97(In.)
Flow top width inside pipe =   27.03(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.61(Ft/s)
Travel time through pipe =    0.41 min.
Time of concentration (TC) =    19.69 min.


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Process from Point/Station        9.000 to Point/Station        9.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.740
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.670
Decimal fraction soil group C = 0.330
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  60.29
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.69 min.
Rainfall intensity =      1.585(In/Hr) for a    10.0 year storm
Subarea runoff =      3.680(CFS) for      3.140(Ac.)
Total runoff =     86.967(CFS)    Total area =      66.410(Ac.)


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Process from Point/Station        9.000 to Point/Station       10.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1109.000(Ft.)
Downstream point/station elevation =  1100.000(Ft.)
Pipe length  =   310.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    86.967(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    86.967(CFS)
Normal flow depth in pipe =   26.06(In.)
Flow top width inside pipe =   26.89(In.)
Critical depth could not be calculated.
Pipe flow velocity =     17.28(Ft/s)
Travel time through pipe =    0.30 min.
Time of concentration (TC) =    19.99 min.


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Process from Point/Station       10.000 to Point/Station       10.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.776
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.99 min.
Rainfall intensity =      1.572(In/Hr) for a    10.0 year storm
Subarea runoff =      2.036(CFS) for      1.670(Ac.)
Total runoff =     89.004(CFS)    Total area =      68.080(Ac.)


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Process from Point/Station       10.000 to Point/Station       11.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1100.000(Ft.)
Downstream point/station elevation =  1091.200(Ft.)
Pipe length  =   340.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    89.004(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    89.004(CFS)
Normal flow depth in pipe =   28.69(In.)
Flow top width inside pipe =   22.25(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.24(Ft/s)
Travel time through pipe =    0.35 min.
Time of concentration (TC) =    20.34 min.


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Process from Point/Station       11.000 to Point/Station       11.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.775
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    20.34 min.
Rainfall intensity =      1.557(In/Hr) for a    10.0 year storm
Subarea runoff =      1.882(CFS) for      1.560(Ac.)
Total runoff =     90.885(CFS)    Total area =      69.640(Ac.)


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Process from Point/Station       11.000 to Point/Station       11.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.772
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.050
Decimal fraction soil group C = 0.950
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  68.35
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    20.34 min.
Rainfall intensity =      1.557(In/Hr) for a    10.0 year storm
Subarea runoff =      2.332(CFS) for      1.940(Ac.)
Total runoff =     93.217(CFS)    Total area =      71.580(Ac.)
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Process from Point/Station       11.000 to Point/Station       12.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1091.200(Ft.)
Downstream point/station elevation =  1082.000(Ft.)
Pipe length  =   322.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    93.217(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    93.217(CFS)
Normal flow depth in pipe =   28.50(In.)
Flow top width inside pipe =   22.65(In.)
Critical depth could not be calculated.
Pipe flow velocity =     17.08(Ft/s)
Travel time through pipe =    0.31 min.
Time of concentration (TC) =    20.65 min.


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Process from Point/Station       12.000 to Point/Station       12.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.753
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.380
Decimal fraction soil group C = 0.620
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  64.06
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    20.65 min.
Rainfall intensity =      1.544(In/Hr) for a    10.0 year storm
Subarea runoff =      2.639(CFS) for      2.270(Ac.)
Total runoff =     95.856(CFS)    Total area =      73.850(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       12.000 to Point/Station       13.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1082.000(Ft.)
Downstream point/station elevation =  1068.000(Ft.)
Pipe length  =    60.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    95.856(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    95.856(CFS)
Normal flow depth in pipe =   17.44(In.)
Flow top width inside pipe =   21.39(In.)
Critical depth could not be calculated.
Pipe flow velocity =     39.23(Ft/s)
Travel time through pipe =    0.03 min.
Time of concentration (TC) =    20.68 min.


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Process from Point/Station       13.000 to Point/Station       13.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.718
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    20.68 min.
Rainfall intensity =      1.543(In/Hr) for a    10.0 year storm
Subarea runoff =      5.925(CFS) for      5.350(Ac.)
Total runoff =    101.781(CFS)    Total area =      79.200(Ac.)


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Process from Point/Station       13.000 to Point/Station       13.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     79.200(Ac.)
Runoff from this stream =    101.781(CFS)
Time of concentration =   20.68 min.
Rainfall intensity =     1.543(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station       13.100 to Point/Station       13.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   434.000(Ft.)
Top (of initial area) elevation =  1094.000(Ft.)
Bottom (of initial area) elevation =  1078.000(Ft.)
Difference in elevation =    16.000(Ft.)
Slope =    0.03687  s(percent)=       3.69
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.565 min.
Rainfall intensity =      2.505(In/Hr) for a    10.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.813
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =      2.790(CFS)
Total initial stream area =        1.370(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station       13.200 to Point/Station       13.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1078.000(Ft.)
Downstream point/station elevation =  1077.500(Ft.)
Pipe length  =    20.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     2.790(CFS)
Nearest computed pipe diameter  =      9.00(In.)
Calculated individual pipe flow  =     2.790(CFS)
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Normal flow depth in pipe =    8.10(In.)
Flow top width inside pipe =    5.40(In.)
Critical Depth =    8.53(In.)
Pipe flow velocity =      6.66(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =     8.62 min.


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Process from Point/Station       13.300 to Point/Station       13.300
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.813
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     8.62 min.
Rainfall intensity =      2.497(In/Hr) for a    10.0 year storm
Subarea runoff =      2.517(CFS) for      1.240(Ac.)
Total runoff =      5.307(CFS)    Total area =       2.610(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       13.300 to Point/Station       13.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1077.500(Ft.)
Downstream point/station elevation =  1074.000(Ft.)
Pipe length  =   275.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     5.307(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =     5.307(CFS)
Normal flow depth in pipe =    9.49(In.)
Flow top width inside pipe =   14.46(In.)
Critical Depth =   11.20(In.)
Pipe flow velocity =      6.48(Ft/s)
Travel time through pipe =    0.71 min.
Time of concentration (TC) =     9.32 min.


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Process from Point/Station       13.400 to Point/Station       13.400
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.810
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     9.32 min.
Rainfall intensity =      2.391(In/Hr) for a    10.0 year storm
Subarea runoff =      3.872(CFS) for      2.000(Ac.)
Total runoff =      9.179(CFS)    Total area =       4.610(Ac.)


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Process from Point/Station       13.400 to Point/Station       13.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1074.000(Ft.)
Downstream point/station elevation =  1073.000(Ft.)
Pipe length  =    74.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     9.179(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =     9.179(CFS)
Normal flow depth in pipe =   11.65(In.)
Flow top width inside pipe =   17.20(In.)
Critical Depth =   14.05(In.)
Pipe flow velocity =      7.59(Ft/s)
Travel time through pipe =    0.16 min.
Time of concentration (TC) =     9.49 min.


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Process from Point/Station       13.500 to Point/Station       13.500
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.809
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     9.49 min.
Rainfall intensity =      2.368(In/Hr) for a    10.0 year storm
Subarea runoff =      2.989(CFS) for      1.560(Ac.)
Total runoff =     12.168(CFS)    Total area =       6.170(Ac.)


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Process from Point/Station       13.500 to Point/Station       13.500
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.809
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     9.49 min.
Rainfall intensity =      2.368(In/Hr) for a    10.0 year storm
Subarea runoff =      3.008(CFS) for      1.570(Ac.)
Total runoff =     15.176(CFS)    Total area =       7.740(Ac.)
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Process from Point/Station       13.500 to Point/Station       13.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1073.000(Ft.)
Downstream point/station elevation =  1068.000(Ft.)
Pipe length  =   395.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    15.176(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    15.176(CFS)
Normal flow depth in pipe =   14.88(In.)
Flow top width inside pipe =   19.08(In.)
Critical Depth =   17.31(In.)
Pipe flow velocity =      8.32(Ft/s)
Travel time through pipe =    0.79 min.
Time of concentration (TC) =    10.28 min.


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Process from Point/Station       13.000 to Point/Station       13.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      7.740(Ac.)
Runoff from this stream =     15.176(CFS)
Time of concentration =   10.28 min.
Rainfall intensity =     2.266(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      101.781     20.68          1.543
2       15.176     10.28          2.266
Largest stream flow has longer time of concentration
Qp =    101.781 + sum of
           Qb         Ia/Ib
           15.176 *    0.681 =     10.331
Qp =    112.112

Total of 2 main streams to confluence:
Flow rates before confluence point:
     101.781      15.176
Area of streams before confluence:
       79.200        7.740


Results of confluence:
Total flow rate =    112.112(CFS)
Time of concentration =    20.677 min.
Effective stream area after confluence  =     86.940(Ac.)


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Process from Point/Station       13.000 to Point/Station       14.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1068.000(Ft.)
Downstream point/station elevation =  1067.000(Ft.)
Pipe length  =   274.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   112.112(CFS)
Nearest computed pipe diameter  =     54.00(In.)
Calculated individual pipe flow  =   112.112(CFS)
Normal flow depth in pipe =   41.72(In.)
Flow top width inside pipe =   45.27(In.)
Critical Depth =   37.38(In.)
Pipe flow velocity =      8.50(Ft/s)
Travel time through pipe =    0.54 min.
Time of concentration (TC) =    21.22 min.


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Process from Point/Station       14.000 to Point/Station       14.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     86.940(Ac.)
Runoff from this stream =    112.112(CFS)
Time of concentration =   21.22 min.
Rainfall intensity =     1.521(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station       30.000 to Point/Station       30.100
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   620.000(Ft.)
Top (of initial area) elevation =  1250.000(Ft.)
Bottom (of initial area) elevation =  1209.000(Ft.)
Difference in elevation =    41.000(Ft.)
Slope =    0.06613  s(percent)=       6.61
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    6.761 min.
Rainfall intensity =      2.853(In/Hr) for a    10.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.876
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =     14.716(CFS)
Total initial stream area =        5.890(Ac.)
Pervious area fraction = 0.100


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Process from Point/Station       30.100 to Point/Station       31.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of street segment elevation =  1218.000(Ft.)
End of street segment elevation =  1200.000(Ft.)
Length of street segment  =   515.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  18.000(Ft.)
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Distance from crown to crossfall grade break  =  14.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  10.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   1.500(Ft.)
Gutter hike from flowline =  0.360(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     23.099(CFS)
Depth of flow =   0.299(Ft.), Average velocity =   5.153(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  14.971(Ft.)
Flow velocity =   5.15(Ft/s)
Travel time =    1.67 min.     TC =    8.43  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.874
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      2.527(In/Hr) for a    10.0 year storm
Subarea runoff =     16.625(CFS) for      7.530(Ac.)
Total runoff =     31.341(CFS)    Total area =      13.420(Ac.)
Street flow at end of street =     31.341(CFS)
Half street flow at end of street =     15.670(CFS)
Depth of flow =   0.336(Ft.), Average velocity =   5.561(Ft/s)
Flow width (from curb towards crown)=  16.786(Ft.)


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Process from Point/Station       31.000 to Point/Station       32.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1192.000(Ft.)
Downstream point/station elevation =  1170.400(Ft.)
Pipe length  =   174.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    31.341(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    31.341(CFS)
Normal flow depth in pipe =   12.70(In.)
Flow top width inside pipe =   16.41(In.)
Critical depth could not be calculated.
Pipe flow velocity =     23.49(Ft/s)
Travel time through pipe =    0.12 min.
Time of concentration (TC) =     8.55 min.


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Process from Point/Station       32.000 to Point/Station       32.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.873
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =     8.55 min.
Rainfall intensity =      2.507(In/Hr) for a    10.0 year storm
Subarea runoff =      3.942(CFS) for      1.800(Ac.)
Total runoff =     35.283(CFS)    Total area =      15.220(Ac.)


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Process from Point/Station       32.000 to Point/Station       33.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1170.400(Ft.)
Downstream point/station elevation =  1142.000(Ft.)
Pipe length  =   756.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    35.283(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    35.283(CFS)
Normal flow depth in pipe =   16.31(In.)
Flow top width inside pipe =   22.40(In.)
Critical depth could not be calculated.
Pipe flow velocity =     15.52(Ft/s)
Travel time through pipe =    0.81 min.
Time of concentration (TC) =     9.36 min.


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Process from Point/Station       33.000 to Point/Station       33.000
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     15.220(Ac.)
Runoff from this stream =     35.283(CFS)
Time of concentration =    9.36 min.
Rainfall intensity =     2.385(In/Hr)


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Process from Point/Station       33.100 to Point/Station       33.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   755.000(Ft.)
Top (of initial area) elevation =  1210.000(Ft.)
Bottom (of initial area) elevation =  1163.000(Ft.)
Difference in elevation =    47.000(Ft.)
Slope =    0.06225  s(percent)=       6.23
TC = k(0.940)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   23.199 min.
Rainfall intensity =      1.448(In/Hr) for a    10.0 year storm
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.569
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.980
Decimal fraction soil group C = 0.020
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  61.26
Pervious area fraction =  1.000; Impervious fraction =  0.000
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Initial subarea runoff =     10.961(CFS)
Total initial stream area =       13.310(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station       33.200 to Point/Station       33.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1163.000(Ft.)
Downstream point/station elevation =  1144.000(Ft.)
Pipe length  =   150.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    10.961(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =    10.961(CFS)
Normal flow depth in pipe =    8.61(In.)
Flow top width inside pipe =   10.80(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.17(Ft/s)
Travel time through pipe =    0.14 min.
Time of concentration (TC) =    23.34 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       33.300 to Point/Station       33.300
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.864
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.800
Decimal fraction soil group C = 0.200
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  58.60
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    23.34 min.
Rainfall intensity =      1.443(In/Hr) for a    10.0 year storm
Subarea runoff =      4.017(CFS) for      3.220(Ac.)
Total runoff =     14.978(CFS)    Total area =      16.530(Ac.)


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Process from Point/Station       33.300 to Point/Station       33.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1144.000(Ft.)
Downstream point/station elevation =  1143.000(Ft.)
Pipe length  =    20.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    14.978(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    14.978(CFS)
Normal flow depth in pipe =   10.44(In.)
Flow top width inside pipe =   17.77(In.)
Critical Depth =   16.86(In.)
Pipe flow velocity =     14.09(Ft/s)
Travel time through pipe =    0.02 min.
Time of concentration (TC) =    23.36 min.


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Process from Point/Station       33.400 to Point/Station       33.400
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.863
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.890
Decimal fraction soil group C = 0.110
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  57.43
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    23.36 min.
Rainfall intensity =      1.442(In/Hr) for a    10.0 year storm
Subarea runoff =      2.877(CFS) for      2.310(Ac.)
Total runoff =     17.855(CFS)    Total area =      18.840(Ac.)


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Process from Point/Station       33.400 to Point/Station       33.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1143.000(Ft.)
Downstream point/station elevation =  1142.000(Ft.)
Pipe length  =   237.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    17.855(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =    17.855(CFS)
Normal flow depth in pipe =   19.78(In.)
Flow top width inside pipe =   23.90(In.)
Critical Depth =   17.72(In.)
Pipe flow velocity =      5.71(Ft/s)
Travel time through pipe =    0.69 min.
Time of concentration (TC) =    24.05 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       33.000 to Point/Station       33.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =     18.840(Ac.)
Runoff from this stream =     17.855(CFS)
Time of concentration =   24.05 min.
Rainfall intensity =     1.419(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)               (In/Hr)


1       35.283      9.36                2.385
2       17.855     24.05                1.419
Largest stream flow has longer or shorter time of concentration
Qp =     35.283 + sum of
           Qa          Tb/Ta
           17.855 *    0.389 =      6.950
Qp =     42.233

Total of 2 streams to confluence:
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```
Flow rates before confluence point:
      35.283      17.855
Area of streams before confluence:
       15.220       18.840
Results of confluence:
Total flow rate =     42.233(CFS)
Time of concentration =     9.362 min.
Effective stream area after confluence =     34.060(Ac.)


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Process from Point/Station       33.000 to Point/Station       14.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1142.000(Ft.)
Downstream point/station elevation =  1067.000(Ft.)
Pipe length  =   210.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    42.233(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    42.233(CFS)
Normal flow depth in pipe =   10.80(In.)
Flow top width inside pipe =   17.63(In.)
Critical depth could not be calculated.
Pipe flow velocity =     38.10(Ft/s)
Travel time through pipe =    0.09 min.
Time of concentration (TC) =     9.45 min.


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Process from Point/Station       14.000 to Point/Station       14.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     34.060(Ac.)
Runoff from this stream =     42.233(CFS)
Time of concentration =    9.45 min.
Rainfall intensity =     2.372(In/Hr)
Program is now starting with Main Stream No. 3


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       20.000 to Point/Station       21.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   449.000(Ft.)
Top (of initial area) elevation =  1083.200(Ft.)
Bottom (of initial area) elevation =  1070.600(Ft.)
Difference in elevation =    12.600(Ft.)
Slope =    0.02806  s(percent)=       2.81
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.169 min.
Rainfall intensity =      2.412(In/Hr) for a    10.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.793
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.400
Decimal fraction soil group C = 0.600
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  63.80
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =      3.212(CFS)
Total initial stream area =        1.680(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station       21.000 to Point/Station       22.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1070.600(Ft.)
Downstream point/station elevation =  1070.000(Ft.)
Pipe length  =   110.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     3.212(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =     3.212(CFS)
Normal flow depth in pipe =    9.01(In.)
Flow top width inside pipe =   14.69(In.)
Critical Depth =    8.66(In.)
Pipe flow velocity =      4.17(Ft/s)
Travel time through pipe =    0.44 min.
Time of concentration (TC) =     9.61 min.


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Process from Point/Station       22.000 to Point/Station       22.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.809
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     9.61 min.
Rainfall intensity =      2.351(In/Hr) for a    10.0 year storm
Subarea runoff =      3.175(CFS) for      1.670(Ac.)
Total runoff =      6.387(CFS)    Total area =       3.350(Ac.)


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Process from Point/Station       22.000 to Point/Station       22.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.776
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.700
Decimal fraction soil group C = 0.300
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  59.90
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     9.61 min.
Rainfall intensity =      2.351(In/Hr) for a    10.0 year storm
Subarea runoff =      1.186(CFS) for      0.650(Ac.)
Total runoff =      7.573(CFS)    Total area =       4.000(Ac.)
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Process from Point/Station       22.000 to Point/Station       23.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1070.000(Ft.)
Downstream point/station elevation =  1068.000(Ft.)
Pipe length  =   288.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     7.573(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =     7.573(CFS)
Normal flow depth in pipe =   12.93(In.)
Flow top width inside pipe =   16.20(In.)
Critical Depth =   12.78(In.)
Pipe flow velocity =      5.58(Ft/s)
Travel time through pipe =    0.86 min.
Time of concentration (TC) =    10.47 min.


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Process from Point/Station       23.000 to Point/Station       23.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.878
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.300
Decimal fraction soil group C = 0.700
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  65.10
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    10.47 min.
Rainfall intensity =      2.243(In/Hr) for a    10.0 year storm
Subarea runoff =      1.339(CFS) for      0.680(Ac.)
Total runoff =      8.913(CFS)    Total area =       4.680(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       23.000 to Point/Station       24.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1068.000(Ft.)
Downstream point/station elevation =  1067.500(Ft.)
Pipe length  =    33.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     8.913(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =     8.913(CFS)
Normal flow depth in pipe =   10.98(In.)
Flow top width inside pipe =   17.56(In.)
Critical Depth =   13.85(In.)
Pipe flow velocity =      7.89(Ft/s)
Travel time through pipe =    0.07 min.
Time of concentration (TC) =    10.54 min.


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Process from Point/Station       24.000 to Point/Station       24.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.875
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.670
Decimal fraction soil group C = 0.330
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  60.29
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    10.54 min.
Rainfall intensity =      2.235(In/Hr) for a    10.0 year storm
Subarea runoff =      0.958(CFS) for      0.490(Ac.)
Total runoff =      9.871(CFS)    Total area =       5.170(Ac.)


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Process from Point/Station       24.000 to Point/Station       14.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1067.500(Ft.)
Downstream point/station elevation =  1067.000(Ft.)
Pipe length  =    85.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     9.871(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =     9.871(CFS)
Normal flow depth in pipe =   14.37(In.)
Flow top width inside pipe =   19.52(In.)
Critical Depth =   14.03(In.)
Pipe flow velocity =      5.63(Ft/s)
Travel time through pipe =    0.25 min.
Time of concentration (TC) =    10.79 min.


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Process from Point/Station       14.000 to Point/Station       14.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 3
Stream flow area =      5.170(Ac.)
Runoff from this stream =      9.871(CFS)
Time of concentration =   10.79 min.
Rainfall intensity =     2.206(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1      112.112     21.22           1.521
2       42.233      9.45           2.372
3        9.871     10.79           2.206
Largest stream flow has longer time of concentration
Qp =    112.112 + sum of
          Qb         Ia/Ib
          42.233 *    0.641 =     27.075
          Qb         Ia/Ib
           9.871 *    0.690 =      6.806
Qp =    145.993

Total of 3 main streams to confluence:
Flow rates before confluence point:
     112.112      42.233       9.871
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Area of streams before confluence:
       86.940       34.060        5.170


Results of confluence:
Total flow rate =    145.993(CFS)
Time of concentration =    21.215 min.
Effective stream area after confluence  =    126.170(Ac.)


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Process from Point/Station       14.000 to Point/Station       14.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.628
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.540
Decimal fraction soil group C = 0.460
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  66.98
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    21.22 min.
Rainfall intensity =      1.521(In/Hr) for a    10.0 year storm
Subarea runoff =      7.445(CFS) for      7.790(Ac.)
Total runoff =    153.439(CFS)    Total area =     133.960(Ac.)


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Process from Point/Station       14.000 to Point/Station       15.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1060.000(Ft.)
Downstream point/station elevation =  1059.500(Ft.)
Pipe length  =   205.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   153.439(CFS)
Nearest computed pipe diameter  =     63.00(In.)
Calculated individual pipe flow  =   153.439(CFS)
Normal flow depth in pipe =   54.84(In.)
Flow top width inside pipe =   42.30(In.)
Critical Depth =   42.08(In.)
Pipe flow velocity =      7.67(Ft/s)
Travel time through pipe =    0.45 min.
Time of concentration (TC) =    21.66 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       15.000 to Point/Station       15.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =    133.960(Ac.)
Runoff from this stream =    153.439(CFS)
Time of concentration =   21.66 min.
Rainfall intensity =     1.504(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station       15.100 to Point/Station       15.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   756.000(Ft.)
Top (of initial area) elevation =  1079.800(Ft.)
Bottom (of initial area) elevation =  1065.100(Ft.)
Difference in elevation =    14.700(Ft.)
Slope =    0.01944  s(percent)=       1.94
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   12.154 min.
Rainfall intensity =      2.066(In/Hr) for a    10.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.749
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =      3.991(CFS)
Total initial stream area =       2.580(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station       15.200 to Point/Station       15.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1065.100(Ft.)
Downstream point/station elevation =  1064.000(Ft.)
Pipe length  =    57.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     3.991(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =     3.991(CFS)
Normal flow depth in pipe =    8.17(In.)
Flow top width inside pipe =   11.19(In.)
Critical Depth =   10.15(In.)
Pipe flow velocity =      7.01(Ft/s)
Travel time through pipe =    0.14 min.
Time of concentration (TC) =    12.29 min.


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Process from Point/Station       15.300 to Point/Station       15.300
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.748
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  56.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    12.29 min.
Rainfall intensity =      2.054(In/Hr) for a    10.0 year storm
Subarea runoff =      3.794(CFS) for      2.470(Ac.)
Total runoff =      7.785(CFS)    Total area =       5.050(Ac.)
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Process from Point/Station       15.300 to Point/Station       15.300
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.754
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.200
Decimal fraction soil group C = 0.800
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  77.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    12.29 min.
Rainfall intensity =      2.054(In/Hr) for a    10.0 year storm
Subarea runoff =      4.334(CFS) for      2.800(Ac.)
Total runoff =     12.119(CFS)    Total area =       7.850(Ac.)


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Process from Point/Station       15.300 to Point/Station       15.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1064.000(Ft.)
Downstream point/station elevation =  1059.500(Ft.)
Pipe length  =   100.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    12.119(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    12.119(CFS)
Normal flow depth in pipe =   10.97(In.)
Flow top width inside pipe =   13.30(In.)
Critical depth could not be calculated.
Pipe flow velocity =     12.61(Ft/s)
Travel time through pipe =    0.13 min.
Time of concentration (TC) =    12.42 min.


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Process from Point/Station       15.000 to Point/Station       15.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      7.850(Ac.)
Runoff from this stream =     12.119(CFS)
Time of concentration =   12.42 min.
Rainfall intensity =     2.042(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1      153.439     21.66           1.504
2       12.119     12.42           2.042
Largest stream flow has longer time of concentration
Qp =    153.439 + sum of
          Qb         Ia/Ib
          12.119 *    0.737 =      8.926
Qp =    162.364

Total of 2 main streams to confluence:
Flow rates before confluence point:
     153.439      12.119
Area of streams before confluence:
      133.960        7.850


Results of confluence:
Total flow rate =    162.364(CFS)
Time of concentration =    21.660 min.
Effective stream area after confluence  =    141.810(Ac.)


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Process from Point/Station       15.000 to Point/Station       16.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1059.500(Ft.)
Downstream point/station elevation =  1057.500(Ft.)
Pipe length  =   226.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   162.364(CFS)
Nearest computed pipe diameter  =     51.00(In.)
Calculated individual pipe flow  =   162.364(CFS)
Normal flow depth in pipe =   42.94(In.)
Flow top width inside pipe =   37.21(In.)
Critical Depth =   44.70(In.)
Pipe flow velocity =     12.75(Ft/s)
Travel time through pipe =    0.30 min.
Time of concentration (TC) =    21.96 min.


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Process from Point/Station       16.000 to Point/Station       16.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =    141.810(Ac.)
Runoff from this stream =    162.364(CFS)
Time of concentration =   21.96 min.
Rainfall intensity =     1.492(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station      200.000 to Point/Station      201.000
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   660.000(Ft.)
Top (of initial area) elevation =  1233.000(Ft.)
Bottom (of initial area) elevation =  1220.000(Ft.)
Difference in elevation =    13.000(Ft.)
Slope =    0.01970  s(percent)=       1.97
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   11.482 min.
Rainfall intensity =      2.132(In/Hr) for a    10.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.765
Decimal fraction soil group A = 0.000
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Decimal fraction soil group B = 0.740
Decimal fraction soil group C = 0.260
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  59.38
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =      8.613(CFS)
Total initial stream area =        5.280(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station      201.000 to Point/Station      202.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =  1220.000(Ft.)
End of street segment elevation =  1192.000(Ft.)
Length of street segment  =   510.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  18.000(Ft.)
Distance from crown to crossfall grade break  =  14.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  10.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   1.500(Ft.)
Gutter hike from flowline =  0.360(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     19.791(CFS)
Depth of flow =   0.260(Ft.), Average velocity =   5.872(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  12.981(Ft.)
Flow velocity =   5.87(Ft/s)
Travel time =    1.45 min.     TC =   12.93  min.
 Adding area flow to street
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.796
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Rainfall intensity =      1.997(In/Hr) for a    10.0 year storm
Subarea runoff =     22.212(CFS) for     13.970(Ac.)
Total runoff =     30.825(CFS)    Total area =      19.250(Ac.)
Street flow at end of street =     30.825(CFS)
Half street flow at end of street =     15.412(CFS)
Depth of flow =   0.307(Ft.), Average velocity =   6.560(Ft/s)
Flow width (from curb towards crown)=  15.328(Ft.)


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Process from Point/Station      202.000 to Point/Station      203.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1192.000(Ft.)
Downstream point/station elevation =  1178.000(Ft.)
Pipe length  =   273.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    30.825(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    30.825(CFS)
Normal flow depth in pipe =   15.00(In.)
Flow top width inside pipe =   18.97(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.77(Ft/s)
Travel time through pipe =    0.27 min.
Time of concentration (TC) =    13.20 min.


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Process from Point/Station      203.000 to Point/Station      203.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.727
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  74.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    13.20 min.
Rainfall intensity =      1.974(In/Hr) for a    10.0 year storm
Subarea runoff =      2.671(CFS) for      1.860(Ac.)
Total runoff =     33.496(CFS)    Total area =      21.110(Ac.)


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Process from Point/Station      203.000 to Point/Station      204.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1164.000(Ft.)
Downstream point/station elevation =  1163.000(Ft.)
Pipe length  =   125.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    33.496(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =    33.496(CFS)
Normal flow depth in pipe =   22.52(In.)
Flow top width inside pipe =   25.95(In.)
Critical Depth =   23.63(In.)
Pipe flow velocity =      8.47(Ft/s)
Travel time through pipe =    0.25 min.
Time of concentration (TC) =    13.45 min.


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Process from Point/Station      204.000 to Point/Station      204.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.810
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
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Time of concentration =    13.45 min.
Rainfall intensity =      1.954(In/Hr) for a    10.0 year storm
Subarea runoff =      9.847(CFS) for      6.220(Ac.)
Total runoff =     43.343(CFS)    Total area =      27.330(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      204.000 to Point/Station      205.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1163.000(Ft.)
Downstream point/station elevation =  1142.000(Ft.)
Pipe length  =   350.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    43.343(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    43.343(CFS)
Normal flow depth in pipe =   15.98(In.)
Flow top width inside pipe =   22.64(In.)
Critical depth could not be calculated.
Pipe flow velocity =     19.52(Ft/s)
Travel time through pipe =    0.30 min.
Time of concentration (TC) =    13.75 min.


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Process from Point/Station      205.000 to Point/Station      205.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     27.330(Ac.)
Runoff from this stream =     43.343(CFS)
Time of concentration =   13.75 min.
Rainfall intensity =     1.931(In/Hr)


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Process from Point/Station      205.100 to Point/Station      205.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   953.000(Ft.)
Top (of initial area) elevation =  1730.000(Ft.)
Bottom (of initial area) elevation =  1215.000(Ft.)
Difference in elevation =   515.000(Ft.)
Slope =    0.54040  s(percent)=      54.04
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.319 min.
Rainfall intensity =      2.391(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.825
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     21.465(CFS)
Total initial stream area =       10.880(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station      205.200 to Point/Station      205.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1215.000(Ft.)
Downstream point/station elevation =  1162.800(Ft.)
Pipe length  =   610.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    21.465(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    21.465(CFS)
Normal flow depth in pipe =   11.09(In.)
Flow top width inside pipe =   17.51(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.81(Ft/s)
Travel time through pipe =    0.54 min.
Time of concentration (TC) =     9.86 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      205.300 to Point/Station      205.300
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.823
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =     9.86 min.
Rainfall intensity =      2.318(In/Hr) for a    10.0 year storm
Subarea runoff =     26.841(CFS) for     14.070(Ac.)
Total runoff =     48.306(CFS)    Total area =      24.950(Ac.)


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Process from Point/Station      205.300 to Point/Station      205.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1162.800(Ft.)
Downstream point/station elevation =  1151.400(Ft.)
Pipe length  =   288.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    48.306(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =    48.306(CFS)
Normal flow depth in pipe =   18.00(In.)
Flow top width inside pipe =   25.46(In.)
Critical depth could not be calculated.
Pipe flow velocity =     17.15(Ft/s)
Travel time through pipe =    0.28 min.
Time of concentration (TC) =    10.14 min.
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Process from Point/Station      205.400 to Point/Station      205.400
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.822
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    10.14 min.
Rainfall intensity =      2.283(In/Hr) for a    10.0 year storm
Subarea runoff =      5.197(CFS) for      2.770(Ac.)
Total runoff =     53.502(CFS)    Total area =      27.720(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      205.400 to Point/Station      205.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1151.400(Ft.)
Downstream point/station elevation =  1144.500(Ft.)
Pipe length  =   447.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    53.502(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =    53.502(CFS)
Normal flow depth in pipe =   26.25(In.)
Flow top width inside pipe =   19.84(In.)
Critical Depth =   28.05(In.)
Pipe flow velocity =     11.76(Ft/s)
Travel time through pipe =    0.63 min.
Time of concentration (TC) =    10.77 min.


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Process from Point/Station      205.500 to Point/Station      205.500
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.819
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    10.77 min.
Rainfall intensity =      2.208(In/Hr) for a    10.0 year storm
Subarea runoff =     27.463(CFS) for     15.180(Ac.)
Total runoff =     80.966(CFS)    Total area =      42.900(Ac.)


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Process from Point/Station      205.500 to Point/Station      205.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1144.500(Ft.)
Downstream point/station elevation =  1142.000(Ft.)
Pipe length  =   405.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    80.966(CFS)
Nearest computed pipe diameter  =     42.00(In.)
Calculated individual pipe flow  =    80.966(CFS)
Normal flow depth in pipe =   35.44(In.)
Flow top width inside pipe =   30.50(In.)
Critical Depth =   33.70(In.)
Pipe flow velocity =      9.35(Ft/s)
Travel time through pipe =    0.72 min.
Time of concentration (TC) =    11.49 min.


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Process from Point/Station      205.000 to Point/Station      205.000
**** CONFLUENCE OF MINOR STREAMS ****
----------------------------------------------------------------------------
Along Main Stream number: 2 in normal stream number 2
Stream flow area =     42.900(Ac.)
Runoff from this stream =     80.966(CFS)
Time of concentration =   11.49 min.
Rainfall intensity =     2.130(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       43.343     13.75                 1.931
2       80.966     11.49                 2.130
Largest stream flow has longer or shorter time of concentration
Qp =     80.966 + sum of
           Qa          Tb/Ta
           43.343 *    0.836 =     36.248
Qp =    117.213

Total of 2 streams to confluence:
Flow rates before confluence point:
      43.343      80.966
Area of streams before confluence:
       27.330       42.900
Results of confluence:
Total flow rate =    117.213(CFS)
Time of concentration =    11.495 min.
Effective stream area after confluence =     70.230(Ac.)


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Process from Point/Station      205.000 to Point/Station      206.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1142.000(Ft.)
Downstream point/station elevation =  1124.000(Ft.)
Pipe length  =   897.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   117.213(CFS)
Nearest computed pipe diameter  =     39.00(In.)
Calculated individual pipe flow  =   117.213(CFS)
Normal flow depth in pipe =   32.06(In.)
Flow top width inside pipe =   29.83(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.07(Ft/s)
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Travel time through pipe =    0.93 min.
Time of concentration (TC) =    12.43 min.


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Process from Point/Station      206.000 to Point/Station      206.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.767
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  79.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    12.43 min.
Rainfall intensity =      2.041(In/Hr) for a    10.0 year storm
Subarea runoff =      6.418(CFS) for      4.100(Ac.)
Total runoff =    123.631(CFS)    Total area =      74.330(Ac.)


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Process from Point/Station      206.000 to Point/Station      206.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.798
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    12.43 min.
Rainfall intensity =      2.041(In/Hr) for a    10.0 year storm
Subarea runoff =      6.873(CFS) for      4.220(Ac.)
Total runoff =    130.504(CFS)    Total area =      78.550(Ac.)


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Process from Point/Station      206.000 to Point/Station       16.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1124.000(Ft.)
Downstream point/station elevation =  1057.500(Ft.)
Pipe length  =   570.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   130.504(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =   130.504(CFS)
Normal flow depth in pipe =   22.92(In.)
Flow top width inside pipe =   25.47(In.)
Critical depth could not be calculated.
Pipe flow velocity =     32.42(Ft/s)
Travel time through pipe =    0.29 min.
Time of concentration (TC) =    12.72 min.


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Process from Point/Station       16.000 to Point/Station       16.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     78.550(Ac.)
Runoff from this stream =    130.504(CFS)
Time of concentration =   12.72 min.
Rainfall intensity =     2.015(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      162.364     21.96           1.492
2      130.504     12.72           2.015
Largest stream flow has longer time of concentration
Qp =    162.364 + sum of
           Qb         Ia/Ib
         130.504 *    0.741 =     96.650
Qp =    259.015

Total of 2 main streams to confluence:
Flow rates before confluence point:
     162.364     130.504
Area of streams before confluence:
      141.810       78.550


Results of confluence:
Total flow rate =    259.015(CFS)
Time of concentration =    21.956 min.
Effective stream area after confluence  =    220.360(Ac.)


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Process from Point/Station       16.000 to Point/Station       17.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1057.500(Ft.)
Downstream point/station elevation =  1057.000(Ft.)
Pipe length  =    30.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   259.015(CFS)
Nearest computed pipe diameter  =     54.00(In.)
Calculated individual pipe flow  =   259.015(CFS)
Normal flow depth in pipe =   45.28(In.)
Flow top width inside pipe =   39.74(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.18(Ft/s)
Travel time through pipe =    0.03 min.
Time of concentration (TC) =    21.98 min.
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Process from Point/Station       17.000 to Point/Station       17.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =    220.360(Ac.)
Runoff from this stream =    259.015(CFS)
Time of concentration =   21.98 min.
Rainfall intensity =     1.491(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station       40.000 to Point/Station       41.000
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   834.000(Ft.)
Top (of initial area) elevation =  1219.800(Ft.)
Bottom (of initial area) elevation =  1176.200(Ft.)
Difference in elevation =    43.600(Ft.)
Slope =    0.05228  s(percent)=       5.23
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   11.170 min.
Rainfall intensity =      2.164(In/Hr) for a    10.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.783
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =      4.524(CFS)
Total initial stream area =        2.670(Ac.)
Pervious area fraction = 0.600


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Process from Point/Station       41.000 to Point/Station       41.100
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1176.200(Ft.)
Downstream point/station elevation =  1176.000(Ft.)
Pipe length  =    47.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     4.524(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =     4.524(CFS)
Normal flow depth in pipe =   10.68(In.)
Flow top width inside pipe =   17.69(In.)
Critical Depth =    9.80(In.)
Pipe flow velocity =      4.14(Ft/s)
Travel time through pipe =    0.19 min.
Time of concentration (TC) =    11.36 min.


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Process from Point/Station       41.100 to Point/Station       41.100
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.782
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    11.36 min.
Rainfall intensity =      2.144(In/Hr) for a    10.0 year storm
Subarea runoff =      4.763(CFS) for      2.840(Ac.)
Total runoff =      9.288(CFS)    Total area =       5.510(Ac.)


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Process from Point/Station       41.100 to Point/Station       42.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1176.000(Ft.)
Downstream point/station elevation =  1150.900(Ft.)
Pipe length  =   306.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     9.288(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =     9.288(CFS)
Normal flow depth in pipe =    8.99(In.)
Flow top width inside pipe =   10.41(In.)
Critical depth could not be calculated.
Pipe flow velocity =     14.72(Ft/s)
Travel time through pipe =    0.35 min.
Time of concentration (TC) =    11.71 min.


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Process from Point/Station       42.000 to Point/Station       42.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.816
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    11.71 min.
Rainfall intensity =      2.109(In/Hr) for a    10.0 year storm
Subarea runoff =      4.561(CFS) for      2.650(Ac.)
Total runoff =     13.849(CFS)    Total area =       8.160(Ac.)


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Process from Point/Station       42.000 to Point/Station       43.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1150.900(Ft.)
Downstream point/station elevation =  1150.400(Ft.)
Pipe length  =    40.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    13.849(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    13.849(CFS)
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Normal flow depth in pipe =   13.97(In.)
Flow top width inside pipe =   19.82(In.)
Critical Depth =   16.60(In.)
Pipe flow velocity =      8.15(Ft/s)
Travel time through pipe =    0.08 min.
Time of concentration (TC) =    11.79 min.


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Process from Point/Station       43.000 to Point/Station       43.000
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =      8.160(Ac.)
Runoff from this stream =     13.849(CFS)
Time of concentration =   11.79 min.
Rainfall intensity =     2.101(In/Hr)


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Process from Point/Station       43.100 to Point/Station       43.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   937.000(Ft.)
Top (of initial area) elevation =  1216.750(Ft.)
Bottom (of initial area) elevation =  1161.400(Ft.)
Difference in elevation =    55.350(Ft.)
Slope =    0.05907  s(percent)=       5.91
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   14.411 min.
Rainfall intensity =      1.881(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.807
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      6.163(CFS)
Total initial stream area =        4.060(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station       43.200 to Point/Station       43.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1164.400(Ft.)
Downstream point/station elevation =  1161.000(Ft.)
Pipe length  =    34.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     6.163(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =     6.163(CFS)
Normal flow depth in pipe =    6.33(In.)
Flow top width inside pipe =   11.98(In.)
Critical depth could not be calculated.
Pipe flow velocity =     14.66(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =    14.45 min.


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Process from Point/Station       43.300 to Point/Station       43.300
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.878
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    14.45 min.
Rainfall intensity =      1.879(In/Hr) for a    10.0 year storm
Subarea runoff =      1.798(CFS) for      1.090(Ac.)
Total runoff =      7.962(CFS)    Total area =       5.150(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       43.300 to Point/Station       43.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1161.000(Ft.)
Downstream point/station elevation =  1151.500(Ft.)
Pipe length  =   710.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     7.962(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =     7.962(CFS)
Normal flow depth in pipe =   13.50(In.)
Flow top width inside pipe =    9.00(In.)
Critical Depth =   13.35(In.)
Pipe flow velocity =      6.85(Ft/s)
Travel time through pipe =    1.73 min.
Time of concentration (TC) =    16.18 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       43.400 to Point/Station       43.400
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.763
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    16.18 min.
Rainfall intensity =      1.765(In/Hr) for a    10.0 year storm
Subarea runoff =      4.621(CFS) for      3.430(Ac.)
Total runoff =     12.583(CFS)    Total area =       8.580(Ac.)
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       43.400 to Point/Station       43.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1151.500(Ft.)
Downstream point/station elevation =  1150.400(Ft.)
Pipe length  =    45.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    12.583(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    12.583(CFS)
Normal flow depth in pipe =   11.81(In.)
Flow top width inside pipe =   17.10(In.)
Critical Depth =   16.05(In.)
Pipe flow velocity =     10.24(Ft/s)
Travel time through pipe =    0.07 min.
Time of concentration (TC) =    16.25 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       43.000 to Point/Station       43.000
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =      8.580(Ac.)
Runoff from this stream =     12.583(CFS)
Time of concentration =   16.25 min.
Rainfall intensity =     1.761(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       13.849     11.79                2.101
2       12.583     16.25                1.761
Largest stream flow has longer or shorter time of concentration
Qp =     13.849 + sum of
           Qa          Tb/Ta
           12.583 *    0.725 =      9.127
Qp =     22.975

Total of 2 streams to confluence:
Flow rates before confluence point:
      13.849      12.583
Area of streams before confluence:
        8.160        8.580
Results of confluence:
Total flow rate =     22.975(CFS)
Time of concentration =    11.787 min.
Effective stream area after confluence =     16.740(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       43.000 to Point/Station       44.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1150.400(Ft.)
Downstream point/station elevation =  1141.000(Ft.)
Pipe length  =   822.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    22.975(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    22.975(CFS)
Normal flow depth in pipe =   18.66(In.)
Flow top width inside pipe =   19.97(In.)
Critical Depth =   20.46(In.)
Pipe flow velocity =      8.76(Ft/s)
Travel time through pipe =    1.56 min.
Time of concentration (TC) =    13.35 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       44.000 to Point/Station       44.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.774
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    13.35 min.
Rainfall intensity =      1.962(In/Hr) for a    10.0 year storm
Subarea runoff =      5.404(CFS) for      3.560(Ac.)
Total runoff =     28.380(CFS)    Total area =      20.300(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       44.000 to Point/Station       44.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.774
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    13.35 min.
Rainfall intensity =      1.962(In/Hr) for a    10.0 year storm
Subarea runoff =      3.780(CFS) for      2.490(Ac.)
Total runoff =     32.160(CFS)    Total area =      22.790(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       44.000 to Point/Station       45.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1141.000(Ft.)
Downstream point/station elevation =  1140.500(Ft.)
Pipe length  =    35.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    32.160(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =    32.160(CFS)
Normal flow depth in pipe =   19.45(In.)
Flow top width inside pipe =   24.23(In.)
Critical Depth =   23.39(In.)
Pipe flow velocity =     10.49(Ft/s)
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Travel time through pipe =    0.06 min.
Time of concentration (TC) =    13.41 min.


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Process from Point/Station       45.000 to Point/Station       45.000
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     22.790(Ac.)
Runoff from this stream =     32.160(CFS)
Time of concentration =   13.41 min.
Rainfall intensity =     1.958(In/Hr)


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Process from Point/Station       45.100 to Point/Station       45.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   652.000(Ft.)
Top (of initial area) elevation =  1210.000(Ft.)
Bottom (of initial area) elevation =  1162.500(Ft.)
Difference in elevation =    47.500(Ft.)
Slope =    0.07285  s(percent)=       7.29
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.472 min.
Rainfall intensity =      2.370(In/Hr) for a    10.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.791
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =      6.392(CFS)
Total initial stream area =        3.410(Ac.)
Pervious area fraction = 0.600


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       45.200 to Point/Station       45.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1162.500(Ft.)
Downstream point/station elevation =  1162.000(Ft.)
Pipe length  =    55.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     6.392(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =     6.392(CFS)
Normal flow depth in pipe =   10.45(In.)
Flow top width inside pipe =   17.76(In.)
Critical Depth =   11.73(In.)
Pipe flow velocity =      6.01(Ft/s)
Travel time through pipe =    0.15 min.
Time of concentration (TC) =     9.62 min.


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Process from Point/Station       45.300 to Point/Station       45.300
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.790
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     9.62 min.
Rainfall intensity =      2.349(In/Hr) for a    10.0 year storm
Subarea runoff =      2.896(CFS) for      1.560(Ac.)
Total runoff =      9.288(CFS)    Total area =       4.970(Ac.)


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Process from Point/Station       45.300 to Point/Station       45.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1162.000(Ft.)
Downstream point/station elevation =  1143.000(Ft.)
Pipe length  =   186.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     9.288(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =     9.288(CFS)
Normal flow depth in pipe =    8.24(In.)
Flow top width inside pipe =   11.13(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.16(Ft/s)
Travel time through pipe =    0.19 min.
Time of concentration (TC) =     9.82 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       45.400 to Point/Station       45.400
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.789
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     9.82 min.
Rainfall intensity =      2.324(In/Hr) for a    10.0 year storm
Subarea runoff =      7.777(CFS) for      4.240(Ac.)
Total runoff =     17.065(CFS)    Total area =       9.210(Ac.)
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Process from Point/Station       45.400 to Point/Station       45.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1143.000(Ft.)
Downstream point/station elevation =  1140.500(Ft.)
Pipe length  =    43.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    17.065(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    17.065(CFS)
Normal flow depth in pipe =   10.82(In.)
Flow top width inside pipe =   17.63(In.)
Critical depth could not be calculated.
Pipe flow velocity =     15.38(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =     9.86 min.


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Process from Point/Station       45.000 to Point/Station       45.000
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =      9.210(Ac.)
Runoff from this stream =     17.065(CFS)
Time of concentration =    9.86 min.
Rainfall intensity =     2.318(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       32.160     13.41                1.958
2       17.065      9.86                2.318
Largest stream flow has longer time of concentration
Qp =     32.160 + sum of
           Qb         Ia/Ib
          17.065 *    0.845 =     14.414
Qp =     46.574

Total of 2 streams to confluence:
Flow rates before confluence point:
      32.160      17.065
Area of streams before confluence:
       22.790        9.210
Results of confluence:
Total flow rate =     46.574(CFS)
Time of concentration =    13.406 min.
Effective stream area after confluence =     32.000(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       45.000 to Point/Station       46.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1140.500(Ft.)
Downstream point/station elevation =  1099.000(Ft.)
Pipe length  =   783.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    46.574(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    46.574(CFS)
Normal flow depth in pipe =   17.72(In.)
Flow top width inside pipe =   21.10(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.75(Ft/s)
Travel time through pipe =    0.70 min.
Time of concentration (TC) =    14.10 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       46.000 to Point/Station       46.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.771
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    14.10 min.
Rainfall intensity =      1.904(In/Hr) for a    10.0 year storm
Subarea runoff =      6.501(CFS) for      4.430(Ac.)
Total runoff =     53.075(CFS)    Total area =      36.430(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       46.000 to Point/Station       46.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.771
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    14.10 min.
Rainfall intensity =      1.904(In/Hr) for a    10.0 year storm
Subarea runoff =      3.228(CFS) for      2.200(Ac.)
Total runoff =     56.303(CFS)    Total area =      38.630(Ac.)


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Process from Point/Station       46.000 to Point/Station       47.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1099.000(Ft.)
Downstream point/station elevation =  1077.000(Ft.)
Pipe length  =   550.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    56.303(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =    56.303(CFS)
Normal flow depth in pipe =   20.20(In.)
Flow top width inside pipe =   23.44(In.)
Critical depth could not be calculated.
Pipe flow velocity =     17.65(Ft/s)
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Travel time through pipe =    0.52 min.
Time of concentration (TC) =    14.62 min.


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Process from Point/Station       47.000 to Point/Station       47.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.756
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  79.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    14.62 min.
Rainfall intensity =      1.866(In/Hr) for a    10.0 year storm
Subarea runoff =      6.960(CFS) for      4.930(Ac.)
Total runoff =     63.262(CFS)    Total area =      43.560(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       47.000 to Point/Station       47.000
**** CONFLUENCE OF MINOR STREAMS ****
----------------------------------------------------------------------
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     43.560(Ac.)
Runoff from this stream =     63.262(CFS)
Time of concentration =   14.62 min.
Rainfall intensity =     1.866(In/Hr)


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Process from Point/Station       47.100 to Point/Station       47.200
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------
Initial area flow distance =   492.000(Ft.)
Top (of initial area) elevation =  1131.000(Ft.)
Bottom (of initial area) elevation =  1079.000(Ft.)
Difference in elevation =    52.000(Ft.)
Slope =    0.10569  s(percent)=      10.57
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.856 min.
Rainfall intensity =      2.626(In/Hr) for a    10.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.800
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =      5.545(CFS)
Total initial stream area =        2.640(Ac.)
Pervious area fraction = 0.600


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       47.200 to Point/Station       47.200
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.800
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     7.86 min.
Rainfall intensity =      2.626(In/Hr) for a    10.0 year storm
Subarea runoff =      2.563(CFS) for      1.220(Ac.)
Total runoff =      8.108(CFS)    Total area =       3.860(Ac.)


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Process from Point/Station       47.200 to Point/Station       47.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1079.000(Ft.)
Downstream point/station elevation =  1077.000(Ft.)
Pipe length  =    78.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     8.108(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =     8.108(CFS)
Normal flow depth in pipe =   10.00(In.)
Flow top width inside pipe =   14.14(In.)
Critical Depth =   13.44(In.)
Pipe flow velocity =      9.33(Ft/s)
Travel time through pipe =    0.14 min.
Time of concentration (TC) =     8.00 min.


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Process from Point/Station       47.000 to Point/Station       47.000
**** CONFLUENCE OF MINOR STREAMS ****
----------------------------------------------------------------------
Along Main Stream number: 2 in normal stream number 2
Stream flow area =      3.860(Ac.)
Runoff from this stream =      8.108(CFS)
Time of concentration =    8.00 min.
Rainfall intensity =     2.601(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)               (In/Hr)


1       63.262     14.62                 1.866
2        8.108      8.00                 2.601
Largest stream flow has longer time of concentration
Qp =     63.262 + sum of
          Qb         Ia/Ib
           8.108 *    0.718 =      5.817
Qp =     69.080

Total of 2 streams to confluence:
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```
Flow rates before confluence point:
      63.262       8.108
Area of streams before confluence:
       43.560        3.860
Results of confluence:
Total flow rate =     69.080(CFS)
Time of concentration =    14.622 min.
Effective stream area after confluence =     47.420(Ac.)


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Process from Point/Station       47.000 to Point/Station       17.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1071.000(Ft.)
Downstream point/station elevation =  1057.000(Ft.)
Pipe length  =   310.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    69.080(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =    69.080(CFS)
Normal flow depth in pipe =   23.58(In.)
Flow top width inside pipe =   17.96(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.75(Ft/s)
Travel time through pipe =    0.28 min.
Time of concentration (TC) =    14.90 min.


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Process from Point/Station       17.000 to Point/Station       17.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     47.420(Ac.)
Runoff from this stream =     69.080(CFS)
Time of concentration =   14.90 min.
Rainfall intensity =     1.847(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1      259.015     21.98          1.491
2       69.080     14.90          1.847
Largest stream flow has longer time of concentration
Qp =    259.015 + sum of
          Qb         Ia/Ib
          69.080 *    0.807 =     55.771
Qp =    314.786

Total of 2 main streams to confluence:
Flow rates before confluence point:
     259.015      69.080
Area of streams before confluence:
      220.360       47.420


Results of confluence:
Total flow rate =    314.786(CFS)
Time of concentration =    21.983 min.
Effective stream area after confluence  =    267.780(Ac.)
End of computations, total study area =          267.78 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.654
Area averaged RI index number =  68.9
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 12/16/21  File:AREAE.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406

------------------------------------------------------------------------
PROPOSED HYDROLOGY STUDY, DRAINAGE AREA E TO BASIN E
100YR STORM, TTM# 37074, RIO VISTA DEVELOPMENT
------------------------------------------------------------------------

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =  100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.300(In/Hr)
Slope of intensity duration curve = 0.5500


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       60.000 to Point/Station       61.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   643.000(Ft.)
Top (of initial area) elevation =  1230.000(Ft.)
Bottom (of initial area) elevation =  1193.000(Ft.)
Difference in elevation =    37.000(Ft.)
Slope =    0.05754  s(percent)=       5.75
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.875 min.
Rainfall intensity =      3.507(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.865
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =      6.670(CFS)
Total initial stream area =        2.200(Ac.)
Pervious area fraction = 0.600


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Process from Point/Station       61.000 to Point/Station       62.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1193.000(Ft.)
Downstream point/station elevation =  1192.500(Ft.)
Pipe length  =    29.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     6.670(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =     6.670(CFS)
Normal flow depth in pipe =   10.02(In.)
Flow top width inside pipe =   14.13(In.)
Critical Depth =   12.46(In.)
Pipe flow velocity =      7.65(Ft/s)
Travel time through pipe =    0.06 min.
Time of concentration (TC) =     9.94 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       62.000 to Point/Station       62.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.864
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     9.94 min.
Rainfall intensity =      3.495(In/Hr) for a   100.0 year storm
Subarea runoff =      3.474(CFS) for      1.150(Ac.)
Total runoff =     10.144(CFS)    Total area =       3.350(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       62.000 to Point/Station       63.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1192.500(Ft.)
Downstream point/station elevation =  1157.000(Ft.)
Pipe length  =   301.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    10.144(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =    10.144(CFS)
Normal flow depth in pipe =    8.34(In.)
Flow top width inside pipe =   11.05(In.)
Critical depth could not be calculated.
Pipe flow velocity =     17.42(Ft/s)
Travel time through pipe =    0.29 min.
Time of concentration (TC) =    10.23 min.
```

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Process from Point/Station       63.000 to Point/Station       63.000
**** CONFLUENCE OF MAIN STREAMS ****
____________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      3.350(Ac.)
Runoff from this stream =     10.144(CFS)
Time of concentration =   10.23 min.
Rainfall intensity =     3.440(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station       63.100 to Point/Station       63.200
**** INITIAL AREA EVALUATION ****
____________________________________________________________________________
Initial area flow distance =   796.000(Ft.)
Top (of initial area) elevation =  1545.000(Ft.)
Bottom (of initial area) elevation =  1265.000(Ft.)
Difference in elevation =   280.000(Ft.)
Slope =    0.35176  s(percent)=      35.18
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.449 min.
Rainfall intensity =      3.593(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.881
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     10.030(CFS)
Total initial stream area =        3.170(Ac.)
Pervious area fraction = 1.000


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       63.200 to Point/Station       63.300
**** IMPROVED CHANNEL TRAVEL TIME ****
____________________________________________________________________________
Upstream point elevation =  1265.000(Ft.)
Downstream point elevation =  1175.000(Ft.)
Channel length thru subarea  =   426.000(Ft.)
Channel base width        =    0.000(Ft.)
Slope or 'Z' of left channel bank =   1.500
Slope or 'Z' of right channel bank =   1.500
Estimated mean flow rate at midpoint of channel =     16.170(CFS)
Manning's 'N'    = 0.015
Maximum depth of channel  =    1.500(Ft.)
Flow(q) thru subarea =     16.170(CFS)
Depth of flow =   0.725(Ft.), Average velocity =  20.487(Ft/s)
Channel flow top width =    2.176(Ft.)
Flow Velocity =   20.49(Ft/s)
Travel time  =    0.35 min.
Time of concentration =    9.80 min.

Sub-Channel No. 1 Critical depth =      1.484(Ft.)
  '     '       '     Critical flow top width =      4.453(Ft.)
  '     '       '     Critical flow velocity=    4.892(Ft/s)
  '     '       '     Critical flow area =      3.305(Sq.Ft)

 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.523(In/Hr) for a   100.0 year storm
Subarea runoff =     12.217(CFS) for      3.940(Ac.)
Total runoff =     22.247(CFS)    Total area =       7.110(Ac.)
Depth of flow =   0.818(Ft.), Average velocity =  22.188(Ft/s)

Sub-Channel No. 1 Critical depth =      1.656(Ft.)
  '     '       '     Critical flow top width =      4.500(Ft.)
  '     '       '     Critical flow velocity=    5.455(Ft/s)
  '     '       '     Critical flow area =      4.078(Sq.Ft)



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Process from Point/Station       63.300 to Point/Station       63.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
____________________________________________________________________________
Upstream point/station elevation =  1175.000(Ft.)
Downstream point/station elevation =  1157.000(Ft.)
Pipe length  =   301.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    22.247(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    22.247(CFS)
Normal flow depth in pipe =   12.94(In.)
Flow top width inside pipe =   16.19(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.36(Ft/s)
Travel time through pipe =    0.31 min.
Time of concentration (TC) =    10.10 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       63.000 to Point/Station       63.000
**** CONFLUENCE OF MAIN STREAMS ****
____________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      7.110(Ac.)
Runoff from this stream =     22.247(CFS)
Time of concentration =   10.10 min.
Rainfall intensity =     3.463(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       10.144     10.23          3.440
2       22.247     10.10          3.463
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```
Largest stream flow has longer or shorter time of concentration
Qp =     22.247 + sum of
           Qa          Tb/Ta
           10.144 *    0.988 =     10.021
Qp =     32.268

Total of 2 main streams to confluence:
Flow rates before confluence point:
      10.144      22.247
Area of streams before confluence:
        3.350        7.110


Results of confluence:
Total flow rate =     32.268(CFS)
Time of concentration =    10.102 min.
Effective stream area after confluence  =     10.460(Ac.)


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Process from Point/Station       63.000 to Point/Station       64.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1157.000(Ft.)
Downstream point/station elevation =  1124.800(Ft.)
Pipe length  =   360.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    32.268(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    32.268(CFS)
Normal flow depth in pipe =   12.71(In.)
Flow top width inside pipe =   20.53(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.19(Ft/s)
Travel time through pipe =    0.28 min.
Time of concentration (TC) =    10.39 min.


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Process from Point/Station       64.000 to Point/Station       64.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.864
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    10.39 min.
Rainfall intensity =      3.411(In/Hr) for a   100.0 year storm
Subarea runoff =      7.983(CFS) for      2.710(Ac.)
Total runoff =     40.252(CFS)    Total area =      13.170(Ac.)


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Process from Point/Station       64.000 to Point/Station       64.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.864
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    10.39 min.
Rainfall intensity =      3.411(In/Hr) for a   100.0 year storm
Subarea runoff =      6.658(CFS) for      2.260(Ac.)
Total runoff =     46.909(CFS)    Total area =      15.430(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       64.000 to Point/Station       66.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1124.000(Ft.)
Downstream point/station elevation =  1104.000(Ft.)
Pipe length  =   315.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    46.909(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    46.909(CFS)
Normal flow depth in pipe =   16.59(In.)
Flow top width inside pipe =   22.17(In.)
Critical depth could not be calculated.
Pipe flow velocity =     20.26(Ft/s)
Travel time through pipe =    0.26 min.
Time of concentration (TC) =    10.64 min.


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Process from Point/Station       66.000 to Point/Station       66.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.863
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    10.64 min.
Rainfall intensity =      3.365(In/Hr) for a   100.0 year storm
Subarea runoff =     11.996(CFS) for      4.130(Ac.)
Total runoff =     58.905(CFS)    Total area =      19.560(Ac.)
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Process from Point/Station       66.000 to Point/Station       66.000
**** CONFLUENCE OF MAIN STREAMS ****
____________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     19.560(Ac.)
Runoff from this stream =     58.905(CFS)
Time of concentration =   10.64 min.
Rainfall intensity =     3.365(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station       66.100 to Point/Station       66.200
**** INITIAL AREA EVALUATION ****
____________________________________________________________________________
Initial area flow distance =   373.000(Ft.)
Top (of initial area) elevation =  1218.000(Ft.)
Bottom (of initial area) elevation =  1190.000(Ft.)
Difference in elevation =    28.000(Ft.)
Slope =    0.07507  s(percent)=       7.51
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.531 min.
Rainfall intensity =      4.071(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.869
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =      3.963(CFS)
Total initial stream area =        1.120(Ac.)
Pervious area fraction = 0.600


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.200 to Point/Station       66.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
____________________________________________________________________________
Upstream point/station elevation =  1190.000(Ft.)
Downstream point/station elevation =  1161.000(Ft.)
Pipe length  =   440.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     3.963(CFS)
Nearest computed pipe diameter  =      9.00(In.)
Calculated individual pipe flow  =     3.963(CFS)
Normal flow depth in pipe =    6.89(In.)
Flow top width inside pipe =    7.62(In.)
Critical depth could not be calculated.
Pipe flow velocity =     10.92(Ft/s)
Travel time through pipe =    0.67 min.
Time of concentration (TC) =     8.20 min.


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Process from Point/Station       66.300 to Point/Station       66.300
**** SUBAREA FLOW ADDITION ****
____________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.868
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     8.20 min.
Rainfall intensity =      3.884(In/Hr) for a   100.0 year storm
Subarea runoff =      5.123(CFS) for      1.520(Ac.)
Total runoff =      9.086(CFS)    Total area =       2.640(Ac.)


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Process from Point/Station       66.300 to Point/Station       66.300
**** SUBAREA FLOW ADDITION ****
____________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.868
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     8.20 min.
Rainfall intensity =      3.884(In/Hr) for a   100.0 year storm
Subarea runoff =     11.527(CFS) for      3.420(Ac.)
Total runoff =     20.612(CFS)    Total area =       6.060(Ac.)


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Process from Point/Station       66.300 to Point/Station       66.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
____________________________________________________________________________
Upstream point/station elevation =  1161.000(Ft.)
Downstream point/station elevation =  1140.000(Ft.)
Pipe length  =   453.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    20.612(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    20.612(CFS)
Normal flow depth in pipe =   13.50(In.)
Flow top width inside pipe =   15.59(In.)
Critical depth could not be calculated.
Pipe flow velocity =     14.51(Ft/s)
Travel time through pipe =    0.52 min.
Time of concentration (TC) =     8.72 min.
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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.400 to Point/Station       66.400
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =      6.060(Ac.)
Runoff from this stream =     20.612(CFS)
Time of concentration =    8.72 min.
Rainfall intensity =     3.755(In/Hr)


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Process from Point/Station       66.410 to Point/Station       66.420
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   945.000(Ft.)
Top (of initial area) elevation =  1126.500(Ft.)
Bottom (of initial area) elevation =  1115.000(Ft.)
Difference in elevation =    11.500(Ft.)
Slope =    0.01217  s(percent)=       1.22
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   19.833 min.
Rainfall intensity =      2.390(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.871
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      5.954(CFS)
Total initial stream area =        2.860(Ac.)
Pervious area fraction = 1.000


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.420 to Point/Station       66.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1115.000(Ft.)
Downstream point/station elevation =     0.000(Ft.)
Pipe length  =   224.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     5.954(CFS)
Nearest computed pipe diameter  =      6.00(In.)
Calculated individual pipe flow  =     5.954(CFS)
Normal flow depth in pipe =    2.91(In.)
Flow top width inside pipe =    6.00(In.)
Critical depth could not be calculated.
Pipe flow velocity =     62.96(Ft/s)
Travel time through pipe =    0.06 min.
Time of concentration (TC) =    19.89 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.400 to Point/Station       66.400
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =      2.860(Ac.)
Runoff from this stream =      5.954(CFS)
Time of concentration =   19.89 min.
Rainfall intensity =     2.386(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       20.612      8.72                 3.755
2        5.954     19.89                 2.386
Largest stream flow has longer or shorter time of concentration
Qp =     20.612 + sum of
          Qa          Tb/Ta
           5.954 *    0.438 =      2.611
Qp =     23.223

Total of 2 streams to confluence:
Flow rates before confluence point:
     20.612       5.954
Area of streams before confluence:
       6.060        2.860
Results of confluence:
Total flow rate =     23.223(CFS)
Time of concentration =     8.723 min.
Effective stream area after confluence =      8.920(Ac.)


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Process from Point/Station       66.400 to Point/Station       66.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1140.000(Ft.)
Downstream point/station elevation =  1126.000(Ft.)
Pipe length  =   238.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    23.223(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    23.223(CFS)
Normal flow depth in pipe =   13.50(In.)
Flow top width inside pipe =   15.59(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.34(Ft/s)
Travel time through pipe =    0.24 min.
Time of concentration (TC) =     8.97 min.


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Process from Point/Station       66.500 to Point/Station       66.500
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.866
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     8.97 min.
Rainfall intensity =      3.698(In/Hr) for a   100.0 year storm
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Subarea runoff =      9.675(CFS) for      3.020(Ac.)
Total runoff =     32.899(CFS)    Total area =      11.940(Ac.)


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Process from Point/Station       66.500 to Point/Station       66.500
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.866
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     8.97 min.
Rainfall intensity =      3.698(In/Hr) for a   100.0 year storm
Subarea runoff =     21.081(CFS) for      6.580(Ac.)
Total runoff =     53.980(CFS)    Total area =      18.520(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.500 to Point/Station       66.600
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1126.000(Ft.)
Downstream point/station elevation =  1108.000(Ft.)
Pipe length  =   330.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    53.980(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    53.980(CFS)
Normal flow depth in pipe =   20.16(In.)
Flow top width inside pipe =   17.60(In.)
Critical depth could not be calculated.
Pipe flow velocity =     19.15(Ft/s)
Travel time through pipe =    0.29 min.
Time of concentration (TC) =     9.25 min.


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Process from Point/Station       66.600 to Point/Station       66.600
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.866
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     9.25 min.
Rainfall intensity =      3.635(In/Hr) for a   100.0 year storm
Subarea runoff =     10.762(CFS) for      3.420(Ac.)
Total runoff =     64.741(CFS)    Total area =      21.940(Ac.)


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Process from Point/Station       66.600 to Point/Station       66.700
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1108.000(Ft.)
Downstream point/station elevation =  1105.000(Ft.)
Pipe length  =   260.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    64.741(CFS)
Nearest computed pipe diameter  =     36.00(In.)
Calculated individual pipe flow  =    64.741(CFS)
Normal flow depth in pipe =   26.81(In.)
Flow top width inside pipe =   31.39(In.)
Critical Depth =   30.97(In.)
Pipe flow velocity =     11.48(Ft/s)
Travel time through pipe =    0.38 min.
Time of concentration (TC) =     9.63 min.


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Process from Point/Station       66.700 to Point/Station       66.700
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.865
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     9.63 min.
Rainfall intensity =      3.556(In/Hr) for a   100.0 year storm
Subarea runoff =      8.151(CFS) for      2.650(Ac.)
Total runoff =     72.892(CFS)    Total area =      24.590(Ac.)


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Process from Point/Station       66.700 to Point/Station       66.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1105.000(Ft.)
Downstream point/station elevation =  1104.000(Ft.)
Pipe length  =    40.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    72.892(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    72.892(CFS)
Normal flow depth in pipe =   23.86(In.)
Flow top width inside pipe =   29.54(In.)
Critical Depth =   31.32(In.)
Pipe flow velocity =     15.87(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =     9.67 min.
```

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.000 to Point/Station       66.000
**** CONFLUENCE OF MAIN STREAMS ****
____________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     24.590(Ac.)
Runoff from this stream =     72.892(CFS)
Time of concentration =    9.67 min.
Rainfall intensity =     3.547(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1       58.905     10.64           3.365
2       72.892      9.67           3.547
Largest stream flow has longer or shorter time of concentration
Qp =     72.892 + sum of
           Qa          Tb/Ta
           58.905 *    0.909 =     53.524
Qp =    126.416

Total of 2 main streams to confluence:
Flow rates before confluence point:
      58.905      72.892
Area of streams before confluence:
       19.560       24.590


Results of confluence:
Total flow rate =    126.416(CFS)
Time of concentration =     9.672 min.
Effective stream area after confluence  =     44.150(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.000 to Point/Station       67.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
____________________________________________________________________________
Upstream point/station elevation =  1104.000(Ft.)
Downstream point/station elevation =  1010.000(Ft.)
Pipe length  =   510.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   126.416(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =   126.416(CFS)
Normal flow depth in pipe =   21.02(In.)
Flow top width inside pipe =   22.42(In.)
Critical depth could not be calculated.
Pipe flow velocity =     38.06(Ft/s)
Travel time through pipe =    0.22 min.
Time of concentration (TC) =     9.90 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       67.000 to Point/Station       67.000
**** SUBAREA FLOW ADDITION ****
____________________________________________________________________________
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =     9.90 min.
Rainfall intensity =      3.503(In/Hr) for a   100.0 year storm
Subarea runoff =     19.485(CFS) for      6.320(Ac.)
Total runoff =    145.901(CFS)    Total area =      50.470(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       67.000 to Point/Station       67.000
**** SUBAREA FLOW ADDITION ****
____________________________________________________________________________
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.853
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  87.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =     9.90 min.
Rainfall intensity =      3.503(In/Hr) for a   100.0 year storm
Subarea runoff =      2.869(CFS) for      0.960(Ac.)
Total runoff =    148.770(CFS)    Total area =      51.430(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       67.000 to Point/Station       68.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
____________________________________________________________________________
Upstream point/station elevation =  1003.000(Ft.)
Downstream point/station elevation =   960.000(Ft.)
Pipe length  =   143.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   148.770(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =   148.770(CFS)
Normal flow depth in pipe =   19.59(In.)
Flow top width inside pipe =   24.09(In.)
Critical depth could not be calculated.
Pipe flow velocity =     48.17(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =     9.94 min.
```

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Process from Point/Station       68.000 to Point/Station       68.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     51.430(Ac.)
Runoff from this stream =    148.770(CFS)
Time of concentration =    9.94 min.
Rainfall intensity =     3.493(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       68.100 to Point/Station       68.200
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------------
Initial area flow distance =   774.000(Ft.)
Top (of initial area) elevation =  1695.000(Ft.)
Bottom (of initial area) elevation =  1285.000(Ft.)
Difference in elevation =   410.000(Ft.)
Slope =    0.52972  s(percent)=      52.97
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.609 min.
Rainfall intensity =      3.782(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.882
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     41.307(CFS)
Total initial stream area =       12.390(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station       68.200 to Point/Station       68.300
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
Top of natural channel elevation =   1285.000(Ft.)
End of natural channel elevation =   1125.000(Ft.)
Length of natural channel  =   357.000(Ft.)
Estimated mean flow rate at midpoint of channel =     59.943(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  27.31(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
         Normal channel slope =  0.4482
Corrected/adjusted channel slope =  0.4482
Travel time =    0.22 min.     TC =    8.83  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.881
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.730(In/Hr) for a   100.0 year storm
Subarea runoff =     36.754(CFS) for     11.180(Ac.)
Total runoff =     78.060(CFS)    Total area =      23.570(Ac.)


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Process from Point/Station       68.300 to Point/Station       68.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1125.000(Ft.)
Downstream point/station elevation =   960.000(Ft.)
Pipe length  =  1220.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    78.060(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    78.060(CFS)
Normal flow depth in pipe =   18.47(In.)
Flow top width inside pipe =   20.21(In.)
Critical depth could not be calculated.
Pipe flow velocity =     30.11(Ft/s)
Travel time through pipe =    0.68 min.
Time of concentration (TC) =     9.50 min.


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Process from Point/Station       68.000 to Point/Station       68.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     23.570(Ac.)
Runoff from this stream =     78.060(CFS)
Time of concentration =    9.50 min.
Rainfall intensity =     3.582(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      148.770      9.94           3.493
2       78.060      9.50           3.582
Largest stream flow has longer time of concentration
Qp =    148.770 + sum of
           Qb         Ia/Ib
           78.060 *    0.975 =     76.130
Qp =    224.901

Total of 2 main streams to confluence:
Flow rates before confluence point:
     148.770      78.060
Area of streams before confluence:
       51.430       23.570
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Results of confluence:
Total flow rate =    224.901(CFS)
Time of concentration =     9.945 min.
Effective stream area after confluence  =     75.000(Ac.)


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Process from Point/Station       68.000 to Point/Station       69.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =   960.000(Ft.)
Downstream point/station elevation =   959.000(Ft.)
Pipe length  =   140.50(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   224.901(CFS)
Nearest computed pipe diameter  =     60.00(In.)
Calculated individual pipe flow  =   224.901(CFS)
Normal flow depth in pipe =   50.53(In.)
Flow top width inside pipe =   43.75(In.)
Critical Depth =   50.95(In.)
Pipe flow velocity =     12.74(Ft/s)
Travel time through pipe =    0.18 min.
Time of concentration (TC) =    10.13 min.


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Process from Point/Station       69.000 to Point/Station       69.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     75.000(Ac.)
Runoff from this stream =    224.901(CFS)
Time of concentration =   10.13 min.
Rainfall intensity =     3.458(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station       69.100 to Point/Station       69.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   998.000(Ft.)
Top (of initial area) elevation =  1550.000(Ft.)
Bottom (of initial area) elevation =  1095.000(Ft.)
Difference in elevation =   455.000(Ft.)
Slope =    0.45591  s(percent)=      45.59
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.821 min.
Rainfall intensity =      3.518(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     33.718(CFS)
Total initial stream area =       10.890(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station       69.200 to Point/Station       69.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1095.000(Ft.)
End of natural channel elevation =    670.000(Ft.)
Length of natural channel  =   138.000(Ft.)
Estimated mean flow rate at midpoint of channel =     49.926(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  67.89(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  3.0797
Corrected/adjusted channel slope =  3.0797
Travel time =    0.03 min.     TC =    9.85  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.875
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.500
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.500
RI index for soil(AMC 3)  =  93.10
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.511(In/Hr) for a   100.0 year storm
Subarea runoff =     32.178(CFS) for     10.470(Ac.)
Total runoff =     65.895(CFS)     Total area =      21.360(Ac.)


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Process from Point/Station       69.000 to Point/Station       69.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     21.360(Ac.)
Runoff from this stream =     65.895(CFS)
Time of concentration =    9.85 min.
Rainfall intensity =     3.511(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      224.901     10.13           3.458
2       65.895      9.85           3.511
Largest stream flow has longer time of concentration
Qp =    224.901 + sum of
          Qb         Ia/Ib
```

```
          65.895 *    0.985 =     64.909
Qp =    289.810

Total of 2 main streams to confluence:
Flow rates before confluence point:
     224.901      65.895
Area of streams before confluence:
       75.000       21.360


Results of confluence:
Total flow rate =    289.810(CFS)
Time of concentration =    10.129 min.
Effective stream area after confluence  =     96.360(Ac.)
End of computations, total study area =           96.36 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.858
Area averaged RI index number =  79.6
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
         Rational Hydrology Study        Date: 12/16/21  File:AREAE.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406

------------------------------------------------------------------------
PROPOSED HYDROLOGY STUDY, DRAINAGE AREA E TO BASIN E
10YR STORM, TTM# 37074, RIO VISTA DEVELOPMENT
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =   10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.859(In/Hr)
Slope of intensity duration curve = 0.5500

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       60.000 to Point/Station       61.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   643.000(Ft.)
Top (of initial area) elevation =  1230.000(Ft.)
Bottom (of initial area) elevation =  1193.000(Ft.)
Difference in elevation =    37.000(Ft.)
Slope =    0.05754  s(percent)=       5.75
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.875 min.
Rainfall intensity =      2.316(In/Hr) for a    10.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.789
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =      4.020(CFS)
Total initial stream area =        2.200(Ac.)
Pervious area fraction = 0.600

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Process from Point/Station       61.000 to Point/Station       62.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1193.000(Ft.)
Downstream point/station elevation =  1192.500(Ft.)
Pipe length  =    29.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     4.020(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =     4.020(CFS)
Normal flow depth in pipe =    8.58(In.)
Flow top width inside pipe =   10.84(In.)
Critical Depth =   10.19(In.)
Pipe flow velocity =      6.70(Ft/s)
Travel time through pipe =    0.07 min.
Time of concentration (TC) =     9.95 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       62.000 to Point/Station       62.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.789
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     9.95 min.
Rainfall intensity =      2.307(In/Hr) for a    10.0 year storm
Subarea runoff =      2.092(CFS) for      1.150(Ac.)
Total runoff =      6.113(CFS)    Total area =       3.350(Ac.)


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Process from Point/Station       62.000 to Point/Station       63.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1192.500(Ft.)
Downstream point/station elevation =  1157.000(Ft.)
Pipe length  =   301.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     6.113(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =     6.113(CFS)
Normal flow depth in pipe =    6.00(In.)
Flow top width inside pipe =   12.00(In.)
Critical depth could not be calculated.
Pipe flow velocity =     15.58(Ft/s)
Travel time through pipe =    0.32 min.
Time of concentration (TC) =    10.27 min.
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Process from Point/Station       63.000 to Point/Station       63.000
**** CONFLUENCE OF MAIN STREAMS ****
____________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      3.350(Ac.)
Runoff from this stream =      6.113(CFS)
Time of concentration =   10.27 min.
Rainfall intensity =     2.267(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station       63.100 to Point/Station       63.200
**** INITIAL AREA EVALUATION ****
____________________________________________________________________________
Initial area flow distance =   796.000(Ft.)
Top (of initial area) elevation =  1545.000(Ft.)
Bottom (of initial area) elevation =  1265.000(Ft.)
Difference in elevation =   280.000(Ft.)
Slope =    0.35176  s(percent)=      35.18
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.449 min.
Rainfall intensity =      2.373(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.825
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      6.203(CFS)
Total initial stream area =        3.170(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station       63.200 to Point/Station       63.300
**** IMPROVED CHANNEL TRAVEL TIME ****
____________________________________________________________________________
Upstream point elevation =  1265.000(Ft.)
Downstream point elevation =  1175.000(Ft.)
Channel length thru subarea  =   426.000(Ft.)
Channel base width        =    0.000(Ft.)
Slope or 'Z' of left channel bank =   1.500
Slope or 'Z' of right channel bank =   1.500
Estimated mean flow rate at midpoint of channel =     10.011(CFS)
Manning's 'N'    = 0.015
Maximum depth of channel  =    1.500(Ft.)
Flow(q) thru subarea =     10.011(CFS)
Depth of flow =   0.606(Ft.), Average velocity =  18.173(Ft/s)
Channel flow top width =    1.818(Ft.)
Flow Velocity =   18.17(Ft/s)
Travel time  =    0.39 min.
Time of concentration =    9.84 min.

Sub-Channel No. 1 Critical depth =      1.227(Ft.)
  '     '       '     Critical flow top width =      3.680(Ft.)
  '     '       '     Critical flow velocity=    4.436(Ft/s)
  '     '       '     Critical flow area =      2.257(Sq.Ft)

 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.823
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.321(In/Hr) for a    10.0 year storm
Subarea runoff =      7.525(CFS) for      3.940(Ac.)
Total runoff =     13.728(CFS)    Total area =       7.110(Ac.)
Depth of flow =   0.682(Ft.), Average velocity =  19.665(Ft/s)

Sub-Channel No. 1 Critical depth =      1.391(Ft.)
  '     '       '     Critical flow top width =      4.172(Ft.)
  '     '       '     Critical flow velocity=    4.733(Ft/s)
  '     '       '     Critical flow area =      2.901(Sq.Ft)



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Process from Point/Station       63.300 to Point/Station       63.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
____________________________________________________________________________
Upstream point/station elevation =  1175.000(Ft.)
Downstream point/station elevation =  1157.000(Ft.)
Pipe length  =   301.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    13.728(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    13.728(CFS)
Normal flow depth in pipe =   10.80(In.)
Flow top width inside pipe =   13.47(In.)
Critical depth could not be calculated.
Pipe flow velocity =     14.50(Ft/s)
Travel time through pipe =    0.35 min.
Time of concentration (TC) =    10.19 min.


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Process from Point/Station       63.000 to Point/Station       63.000
**** CONFLUENCE OF MAIN STREAMS ****
____________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      7.110(Ac.)
Runoff from this stream =     13.728(CFS)
Time of concentration =   10.19 min.
Rainfall intensity =     2.277(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1        6.113     10.27          2.267
2       13.728     10.19          2.277
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Largest stream flow has longer or shorter time of concentration
Qp =     13.728 + sum of
           Qa          Tb/Ta
            6.113 *    0.992 =      6.063
Qp =     19.791

Total of 2 main streams to confluence:
Flow rates before confluence point:
       6.113      13.728
Area of streams before confluence:
        3.350        7.110


Results of confluence:
Total flow rate =     19.791(CFS)
Time of concentration =    10.186 min.
Effective stream area after confluence  =     10.460(Ac.)


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Process from Point/Station       63.000 to Point/Station       64.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1157.000(Ft.)
Downstream point/station elevation =  1124.800(Ft.)
Pipe length  =   360.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    19.791(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    19.791(CFS)
Normal flow depth in pipe =   10.36(In.)
Flow top width inside pipe =   17.79(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.79(Ft/s)
Travel time through pipe =    0.32 min.
Time of concentration (TC) =    10.51 min.


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Process from Point/Station       64.000 to Point/Station       64.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.786
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    10.51 min.
Rainfall intensity =      2.239(In/Hr) for a    10.0 year storm
Subarea runoff =      4.768(CFS) for      2.710(Ac.)
Total runoff =     24.559(CFS)    Total area =      13.170(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       64.000 to Point/Station       64.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.786
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    10.51 min.
Rainfall intensity =      2.239(In/Hr) for a    10.0 year storm
Subarea runoff =      3.977(CFS) for      2.260(Ac.)
Total runoff =     28.536(CFS)    Total area =      15.430(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       64.000 to Point/Station       66.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1124.000(Ft.)
Downstream point/station elevation =  1104.000(Ft.)
Pipe length  =   315.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    28.536(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    28.536(CFS)
Normal flow depth in pipe =   13.13(In.)
Flow top width inside pipe =   20.33(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.04(Ft/s)
Travel time through pipe =    0.29 min.
Time of concentration (TC) =    10.80 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.000 to Point/Station       66.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.785
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    10.80 min.
Rainfall intensity =      2.205(In/Hr) for a    10.0 year storm
Subarea runoff =      7.146(CFS) for      4.130(Ac.)
Total runoff =     35.682(CFS)    Total area =      19.560(Ac.)


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Process from Point/Station       66.000 to Point/Station       66.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     19.560(Ac.)
Runoff from this stream =     35.682(CFS)
Time of concentration =   10.80 min.
Rainfall intensity =     2.205(In/Hr)
Program is now starting with Main Stream No. 2
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.100 to Point/Station       66.200
**** INITIAL AREA EVALUATION ****
------------------------------------------------------------------------------
Initial area flow distance =   373.000(Ft.)
Top (of initial area) elevation =  1218.000(Ft.)
Bottom (of initial area) elevation =  1190.000(Ft.)
Difference in elevation =    28.000(Ft.)
Slope =    0.07507  s(percent)=       7.51
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.531 min.
Rainfall intensity =      2.688(In/Hr) for a    10.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.802
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =      2.414(CFS)
Total initial stream area =        1.120(Ac.)
Pervious area fraction = 0.600


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.200 to Point/Station       66.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------------
Upstream point/station elevation =  1190.000(Ft.)
Downstream point/station elevation =  1161.000(Ft.)
Pipe length  =   440.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     2.414(CFS)
Nearest computed pipe diameter  =      9.00(In.)
Calculated individual pipe flow  =     2.414(CFS)
Normal flow depth in pipe =    4.86(In.)
Flow top width inside pipe =    8.97(In.)
Critical Depth =    8.23(In.)
Pipe flow velocity =      9.92(Ft/s)
Travel time through pipe =    0.74 min.
Time of concentration (TC) =     8.27 min.


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Process from Point/Station       66.300 to Point/Station       66.300
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------------
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.797
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     8.27 min.
Rainfall intensity =      2.553(In/Hr) for a    10.0 year storm
Subarea runoff =      3.095(CFS) for      1.520(Ac.)
Total runoff =      5.508(CFS)    Total area =       2.640(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.300 to Point/Station       66.300
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------------
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.797
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     8.27 min.
Rainfall intensity =      2.553(In/Hr) for a    10.0 year storm
Subarea runoff =      6.963(CFS) for      3.420(Ac.)
Total runoff =     12.472(CFS)    Total area =       6.060(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.300 to Point/Station       66.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------------
Upstream point/station elevation =  1161.000(Ft.)
Downstream point/station elevation =  1140.000(Ft.)
Pipe length  =   453.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    12.472(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    12.472(CFS)
Normal flow depth in pipe =   11.09(In.)
Flow top width inside pipe =   13.17(In.)
Critical depth could not be calculated.
Pipe flow velocity =     12.82(Ft/s)
Travel time through pipe =    0.59 min.
Time of concentration (TC) =     8.86 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.400 to Point/Station       66.400
**** CONFLUENCE OF MINOR STREAMS ****
------------------------------------------------------------------------------
Along Main Stream number: 2 in normal stream number 1
Stream flow area =      6.060(Ac.)
Runoff from this stream =     12.472(CFS)
Time of concentration =    8.86 min.
Rainfall intensity =     2.459(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.410 to Point/Station       66.420
**** INITIAL AREA EVALUATION ****
------------------------------------------------------------------------------
Initial area flow distance =   945.000(Ft.)
Top (of initial area) elevation =  1126.500(Ft.)
Bottom (of initial area) elevation =  1115.000(Ft.)
Difference in elevation =    11.500(Ft.)
Slope =    0.01217  s(percent)=       1.22
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
```

```
Initial area time of concentration =   19.833 min.
Rainfall intensity =      1.578(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.791
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      3.571(CFS)
Total initial stream area =        2.860(Ac.)
Pervious area fraction = 1.000


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.420 to Point/Station       66.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1115.000(Ft.)
Downstream point/station elevation =     0.000(Ft.)
Pipe length  =   224.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     3.571(CFS)
Nearest computed pipe diameter  =      6.00(In.)
Calculated individual pipe flow  =     3.571(CFS)
Normal flow depth in pipe =    2.19(In.)
Flow top width inside pipe =    5.78(In.)
Critical depth could not be calculated.
Pipe flow velocity =     54.97(Ft/s)
Travel time through pipe =    0.07 min.
Time of concentration (TC) =    19.90 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.400 to Point/Station       66.400
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =      2.860(Ac.)
Runoff from this stream =      3.571(CFS)
Time of concentration =   19.90 min.
Rainfall intensity =     1.575(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       12.472      8.86                2.459
2        3.571     19.90                1.575
Largest stream flow has longer or shorter time of concentration
Qp =     12.472 + sum of
           Qa          Tb/Ta
            3.571 *    0.445 =      1.590
Qp =     14.061

Total of 2 streams to confluence:
Flow rates before confluence point:
      12.472       3.571
Area of streams before confluence:
        6.060        2.860
Results of confluence:
Total flow rate =     14.061(CFS)
Time of concentration =     8.859 min.
Effective stream area after confluence =      8.920(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.400 to Point/Station       66.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1140.000(Ft.)
Downstream point/station elevation =  1126.000(Ft.)
Pipe length  =   238.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    14.061(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    14.061(CFS)
Normal flow depth in pipe =   11.10(In.)
Flow top width inside pipe =   13.16(In.)
Critical depth could not be calculated.
Pipe flow velocity =     14.44(Ft/s)
Travel time through pipe =    0.27 min.
Time of concentration (TC) =     9.13 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.500 to Point/Station       66.500
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.793
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     9.13 min.
Rainfall intensity =      2.418(In/Hr) for a    10.0 year storm
Subarea runoff =      5.788(CFS) for      3.020(Ac.)
Total runoff =     19.850(CFS)    Total area =      11.940(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.500 to Point/Station       66.500
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.793
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     9.13 min.
Rainfall intensity =      2.418(In/Hr) for a    10.0 year storm
Subarea runoff =     12.612(CFS) for      6.580(Ac.)
Total runoff =     32.461(CFS)    Total area =      18.520(Ac.)
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Process from Point/Station       66.500 to Point/Station       66.600
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1126.000(Ft.)
Downstream point/station elevation =  1108.000(Ft.)
Pipe length  =   330.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    32.461(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    32.461(CFS)
Normal flow depth in pipe =   15.26(In.)
Flow top width inside pipe =   18.72(In.)
Critical depth could not be calculated.
Pipe flow velocity =     17.35(Ft/s)
Travel time through pipe =    0.32 min.
Time of concentration (TC) =     9.45 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.600 to Point/Station       66.600
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.791
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     9.45 min.
Rainfall intensity =      2.373(In/Hr) for a    10.0 year storm
Subarea runoff =      6.420(CFS) for      3.420(Ac.)
Total runoff =     38.881(CFS)    Total area =      21.940(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.600 to Point/Station       66.700
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1108.000(Ft.)
Downstream point/station elevation =  1105.000(Ft.)
Pipe length  =   260.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    38.881(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =    38.881(CFS)
Normal flow depth in pipe =   21.89(In.)
Flow top width inside pipe =   26.65(In.)
Critical Depth =   25.24(In.)
Pipe flow velocity =     10.13(Ft/s)
Travel time through pipe =    0.43 min.
Time of concentration (TC) =     9.88 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.700 to Point/Station       66.700
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.789
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  69.00
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     9.88 min.
Rainfall intensity =      2.316(In/Hr) for a    10.0 year storm
Subarea runoff =      4.842(CFS) for      2.650(Ac.)
Total runoff =     43.723(CFS)    Total area =      24.590(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.700 to Point/Station       66.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1105.000(Ft.)
Downstream point/station elevation =  1104.000(Ft.)
Pipe length  =    40.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    43.723(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =    43.723(CFS)
Normal flow depth in pipe =   19.90(In.)
Flow top width inside pipe =   23.77(In.)
Critical Depth =   25.59(In.)
Pipe flow velocity =     13.92(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =     9.93 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       66.000 to Point/Station       66.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     24.590(Ac.)
Runoff from this stream =     43.723(CFS)
Time of concentration =    9.93 min.
Rainfall intensity =     2.310(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       35.682     10.80           2.205
2       43.723      9.93           2.310
Largest stream flow has longer or shorter time of concentration
Qp =     43.723 + sum of
           Qa          Tb/Ta
           35.682 *    0.919 =     32.807
Qp =     76.530
```

```
Total of 2 main streams to confluence:
Flow rates before confluence point:
      35.682      43.723
Area of streams before confluence:
       19.560       24.590


Results of confluence:
Total flow rate =     76.530(CFS)
Time of concentration =     9.926 min.
Effective stream area after confluence  =     44.150(Ac.)


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Process from Point/Station       66.000 to Point/Station       67.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1104.000(Ft.)
Downstream point/station elevation =  1010.000(Ft.)
Pipe length  =   510.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    76.530(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    76.530(CFS)
Normal flow depth in pipe =   16.05(In.)
Flow top width inside pipe =   22.59(In.)
Critical depth could not be calculated.
Pipe flow velocity =     34.25(Ft/s)
Travel time through pipe =    0.25 min.
Time of concentration (TC) =    10.17 min.


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Process from Point/Station       67.000 to Point/Station       67.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.822
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    10.17 min.
Rainfall intensity =      2.278(In/Hr) for a    10.0 year storm
Subarea runoff =     11.832(CFS) for      6.320(Ac.)
Total runoff =     88.362(CFS)    Total area =      50.470(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       67.000 to Point/Station       67.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.747
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  74.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    10.17 min.
Rainfall intensity =      2.278(In/Hr) for a    10.0 year storm
Subarea runoff =      1.633(CFS) for      0.960(Ac.)
Total runoff =     89.995(CFS)    Total area =      51.430(Ac.)


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Process from Point/Station       67.000 to Point/Station       68.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1003.000(Ft.)
Downstream point/station elevation =   960.000(Ft.)
Pipe length  =   143.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    89.995(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    89.995(CFS)
Normal flow depth in pipe =   18.00(In.)
Flow top width inside pipe =   14.70(In.)
Critical depth could not be calculated.
Pipe flow velocity =     41.05(Ft/s)
Travel time through pipe =    0.06 min.
Time of concentration (TC) =    10.23 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       68.000 to Point/Station       68.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     51.430(Ac.)
Runoff from this stream =     89.995(CFS)
Time of concentration =   10.23 min.
Rainfall intensity =     2.271(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       68.100 to Point/Station       68.200
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------
Initial area flow distance =   774.000(Ft.)
Top (of initial area) elevation =  1695.000(Ft.)
Bottom (of initial area) elevation =  1285.000(Ft.)
Difference in elevation =   410.000(Ft.)
Slope =    0.52972  s(percent)=      52.97
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.609 min.
Rainfall intensity =      2.498(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.828
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     25.624(CFS)
Total initial stream area =       12.390(Ac.)
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Pervious area fraction = 1.000


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Process from Point/Station       68.200 to Point/Station       68.300
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1285.000(Ft.)
End of natural channel elevation =   1125.000(Ft.)
Length of natural channel  =   357.000(Ft.)
Estimated mean flow rate at midpoint of channel =     37.185(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  23.81(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.4482
Corrected/adjusted channel slope =  0.4482
Travel time =    0.25 min.     TC =    8.86  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.827
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.459(In/Hr) for a    10.0 year storm
Subarea runoff =     22.732(CFS) for     11.180(Ac.)
Total runoff =     48.355(CFS)    Total area =      23.570(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       68.300 to Point/Station       68.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1125.000(Ft.)
Downstream point/station elevation =   960.000(Ft.)
Pipe length  =  1220.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    48.355(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    48.355(CFS)
Normal flow depth in pipe =   14.60(In.)
Flow top width inside pipe =   19.33(In.)
Critical depth could not be calculated.
Pipe flow velocity =     27.09(Ft/s)
Travel time through pipe =    0.75 min.
Time of concentration (TC) =     9.61 min.


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Process from Point/Station       68.000 to Point/Station       68.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     23.570(Ac.)
Runoff from this stream =     48.355(CFS)
Time of concentration =    9.61 min.
Rainfall intensity =     2.351(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       89.995     10.23           2.271
2       48.355      9.61           2.351
Largest stream flow has longer time of concentration
Qp =     89.995 + sum of
           Qb         Ia/Ib
           48.355 *    0.966 =     46.714
Qp =    136.709

Total of 2 main streams to confluence:
Flow rates before confluence point:
      89.995      48.355
Area of streams before confluence:
       51.430       23.570


Results of confluence:
Total flow rate =    136.709(CFS)
Time of concentration =    10.233 min.
Effective stream area after confluence  =     75.000(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       68.000 to Point/Station       69.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =   960.000(Ft.)
Downstream point/station elevation =   959.000(Ft.)
Pipe length  =   140.50(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   136.709(CFS)
Nearest computed pipe diameter  =     51.00(In.)
Calculated individual pipe flow  =   136.709(CFS)
Normal flow depth in pipe =   40.03(In.)
Flow top width inside pipe =   41.91(In.)
Critical Depth =   41.64(In.)
Pipe flow velocity =     11.43(Ft/s)
Travel time through pipe =    0.20 min.
Time of concentration (TC) =    10.44 min.
```

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       69.000 to Point/Station       69.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     75.000(Ac.)
Runoff from this stream =    136.709(CFS)
Time of concentration =   10.44 min.
Rainfall intensity =     2.247(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       69.100 to Point/Station       69.200
**** INITIAL AREA EVALUATION ****
------------------------------------------------------------------------
Initial area flow distance =   998.000(Ft.)
Top (of initial area) elevation =  1550.000(Ft.)
Bottom (of initial area) elevation =  1095.000(Ft.)
Difference in elevation =   455.000(Ft.)
Slope =    0.45591  s(percent)=      45.59
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.821 min.
Rainfall intensity =      2.323(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.823
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     20.823(CFS)
Total initial stream area =       10.890(Ac.)
Pervious area fraction = 1.000


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       69.200 to Point/Station       69.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------
Top of natural channel elevation =   1095.000(Ft.)
End of natural channel elevation =    670.000(Ft.)
Length of natural channel  =   138.000(Ft.)
Estimated mean flow rate at midpoint of channel =     30.833(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  59.22(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
         Normal channel slope =  3.0797
Corrected/adjusted channel slope =  3.0797
Travel time =    0.04 min.     TC =    9.86  min.


 Adding area flow to channel

UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.808
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.500
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.500
RI index for soil(AMC 2)  =  83.50
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.318(In/Hr) for a    10.0 year storm
Subarea runoff =     19.614(CFS) for     10.470(Ac.)
Total runoff =     40.437(CFS)    Total area =      21.360(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       69.000 to Point/Station       69.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     21.360(Ac.)
Runoff from this stream =     40.437(CFS)
Time of concentration =    9.86 min.
Rainfall intensity =     2.318(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      136.709     10.44           2.247
2       40.437      9.86           2.318
Largest stream flow has longer time of concentration
Qp =    136.709 + sum of
          Qb         Ia/Ib
          40.437 *    0.969 =     39.190
Qp =    175.899

Total of 2 main streams to confluence:
Flow rates before confluence point:
     136.709      40.437
Area of streams before confluence:
       75.000       21.360


Results of confluence:
Total flow rate =    175.899(CFS)
Time of concentration =    10.437 min.
Effective stream area after confluence  =     96.360(Ac.)
End of computations, total study area =           96.36 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.858
Area averaged RI index number =  79.6
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TRIBUTARY TO
MARKET STREET STORM DRAIN
DRAINAGE AREA H & OFFSITE

```
                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
         Rational Hydrology Study        Date: 12/27/21  File:AREAH.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406

------------------------------------------------------------------------
PROPOSED HYDROLOGY STUDY, DRAINAGE AREA H AND OFFSITE TO
AVALON & 20TH ST.
100YR STORM, TTM# 37074, RIO VISTA DEVELOPMENT
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =  100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.300(In/Hr)
Slope of intensity duration curve = 0.5500


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      500.000 to Point/Station      501.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   855.000(Ft.)
Top (of initial area) elevation =  1330.000(Ft.)
Bottom (of initial area) elevation =  1255.000(Ft.)
Difference in elevation =    75.000(Ft.)
Slope =    0.08772  s(percent)=       8.77
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   12.836 min.
Rainfall intensity =      3.036(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.857
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  89.80
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      4.762(CFS)
Total initial stream area =        1.830(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station      501.000 to Point/Station      502.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =  1255.000(Ft.)
End of street segment elevation =  1209.300(Ft.)
Length of street segment  =   612.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  32.000(Ft.)
Distance from crown to crossfall grade break  =  30.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  18.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =      5.934(CFS)
Depth of flow =   0.227(Ft.), Average velocity =   5.040(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =   7.097(Ft.)
Flow velocity =   5.04(Ft/s)
Travel time =    2.02 min.     TC =   14.86  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.890
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.520
Decimal fraction soil group C = 0.480
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  79.79
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      2.801(In/Hr) for a   100.0 year storm
Subarea runoff =      2.244(CFS) for      0.900(Ac.)
Total runoff =      7.007(CFS)    Total area =       2.730(Ac.)
Street flow at end of street =      7.007(CFS)
Half street flow at end of street =      3.503(CFS)
Depth of flow =   0.238(Ft.), Average velocity =   5.229(Ft/s)
Flow width (from curb towards crown)=   7.648(Ft.)


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Process from Point/Station      502.000 to Point/Station      503.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1209.300(Ft.)
Downstream point/station elevation =  1207.800(Ft.)
Pipe length  =    64.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     7.007(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =     7.007(CFS)
Normal flow depth in pipe =    9.33(In.)
Flow top width inside pipe =   14.55(In.)
Critical Depth =   12.73(In.)
Pipe flow velocity =      8.74(Ft/s)
Travel time through pipe =    0.12 min.
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Time of concentration (TC) =    14.98 min.


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Process from Point/Station      503.000 to Point/Station      503.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.890
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.650
Decimal fraction soil group C = 0.350
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  78.44
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    14.98 min.
Rainfall intensity =      2.788(In/Hr) for a   100.0 year storm
Subarea runoff =      3.423(CFS) for      1.380(Ac.)
Total runoff =     10.430(CFS)    Total area =       4.110(Ac.)


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Process from Point/Station      503.000 to Point/Station      504.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1207.800(Ft.)
Downstream point/station elevation =  1172.000(Ft.)
Pipe length  =    77.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    10.430(CFS)
Nearest computed pipe diameter  =      9.00(In.)
Calculated individual pipe flow  =    10.430(CFS)
Normal flow depth in pipe =    6.83(In.)
Flow top width inside pipe =    7.70(In.)
Critical depth could not be calculated.
Pipe flow velocity =     28.99(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =    15.03 min.


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Process from Point/Station      504.000 to Point/Station      504.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      4.110(Ac.)
Runoff from this stream =     10.430(CFS)
Time of concentration =   15.03 min.
Rainfall intensity =     2.784(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      504.100 to Point/Station      504.200
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------
Initial area flow distance =   788.000(Ft.)
Top (of initial area) elevation =  1225.000(Ft.)
Bottom (of initial area) elevation =  1205.000(Ft.)
Difference in elevation =    20.000(Ft.)
Slope =    0.02538  s(percent)=       2.54
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.012 min.
Rainfall intensity =      3.688(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.891
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.840
Decimal fraction soil group C = 0.160
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  76.46
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =     50.108(CFS)
Total initial stream area =       15.250(Ac.)
Pervious area fraction = 0.100


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Process from Point/Station      504.200 to Point/Station      504.200
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.855
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  87.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =     9.01 min.
Rainfall intensity =      3.688(In/Hr) for a   100.0 year storm
Subarea runoff =      4.543(CFS) for      1.440(Ac.)
Total runoff =     54.651(CFS)    Total area =      16.690(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      504.200 to Point/Station      504.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1199.000(Ft.)
Downstream point/station elevation =  1198.000(Ft.)
Pipe length  =   114.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    54.651(CFS)
Nearest computed pipe diameter  =     36.00(In.)
Calculated individual pipe flow  =    54.651(CFS)
Normal flow depth in pipe =   26.09(In.)
Flow top width inside pipe =   32.16(In.)
Critical Depth =   28.80(In.)
Pipe flow velocity =      9.96(Ft/s)
Travel time through pipe =    0.19 min.
Time of concentration (TC) =     9.20 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      504.300 to Point/Station      504.300
**** CONFLUENCE OF MINOR STREAMS ****
----------------------------------------------------------------------
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     16.690(Ac.)
Runoff from this stream =     54.651(CFS)
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BASIN F

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Time of concentration =    9.20 min.
Rainfall intensity =     3.646(In/Hr)


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Process from Point/Station      504.310 to Point/Station      504.320
**** INITIAL AREA EVALUATION ****
------------------------------------------------------------------------
Initial area flow distance =  1028.000(Ft.)
Top (of initial area) elevation =  1545.000(Ft.)
Bottom (of initial area) elevation =  1214.000(Ft.)
Difference in elevation =   331.000(Ft.)
Slope =    0.32198  s(percent)=      32.20
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.654 min.
Rainfall intensity =      3.364(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.879
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.020
Decimal fraction soil group C = 0.980
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.34
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     18.717(CFS)
Total initial stream area =        6.330(Ac.)
Pervious area fraction = 1.000


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      504.320 to Point/Station      504.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1214.000(Ft.)
Downstream point/station elevation =  1198.000(Ft.)
Pipe length  =   919.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    18.717(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    18.717(CFS)
Normal flow depth in pipe =   15.52(In.)
Flow top width inside pipe =   18.45(In.)
Critical Depth =   18.79(In.)
Pipe flow velocity =      9.83(Ft/s)
Travel time through pipe =    1.56 min.
Time of concentration (TC) =    12.21 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      504.300 to Point/Station      504.300
**** CONFLUENCE OF MINOR STREAMS ****
------------------------------------------------------------------------
Along Main Stream number: 2 in normal stream number 2
Stream flow area =      6.330(Ac.)
Runoff from this stream =     18.717(CFS)
Time of concentration =   12.21 min.
Rainfall intensity =     3.120(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)
1       54.651      9.20                 3.646
2       18.717     12.21                 3.120
Largest stream flow has longer or shorter time of concentration
Qp =     54.651 + sum of
           Qa          Tb/Ta
           18.717 *    0.754 =     14.105
Qp =     68.756

Total of 2 streams to confluence:
Flow rates before confluence point:
      54.651      18.717
Area of streams before confluence:
       16.690        6.330
Results of confluence:
Total flow rate =     68.756(CFS)
Time of concentration =     9.203 min.
Effective stream area after confluence =     23.020(Ac.)


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Process from Point/Station      504.300 to Point/Station      504.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1198.000(Ft.)
Downstream point/station elevation =  1172.000(Ft.)
Pipe length  =   154.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    68.756(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    68.756(CFS)
Normal flow depth in pipe =   15.35(In.)
Flow top width inside pipe =   23.04(In.)
Critical depth could not be calculated.
Pipe flow velocity =     32.38(Ft/s)
Travel time through pipe =    0.08 min.
Time of concentration (TC) =     9.28 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      504.000 to Point/Station      504.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     23.020(Ac.)
Runoff from this stream =     68.756(CFS)
Time of concentration =    9.28 min.
Rainfall intensity =     3.628(In/Hr)
Program is now starting with Main Stream No. 3


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      504.400 to Point/Station      504.500
**** INITIAL AREA EVALUATION ****
------------------------------------------------------------------------
Initial area flow distance =   640.000(Ft.)
Top (of initial area) elevation =  1233.000(Ft.)
Bottom (of initial area) elevation =  1220.000(Ft.)
Difference in elevation =    13.000(Ft.)
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Slope =    0.02031  s(percent)=       2.03
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.670 min.
Rainfall intensity =      3.767(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.891
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.900
Decimal fraction soil group C = 0.100
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  75.84
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =     19.264(CFS)
Total initial stream area =        5.740(Ac.)
Pervious area fraction = 0.100


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Process from Point/Station      504.500 to Point/Station      504.600
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =  1220.000(Ft.)
End of street segment elevation =  1179.000(Ft.)
Length of street segment  =   417.200(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  28.000(Ft.)
Distance from crown to crossfall grade break  =  26.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  11.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     42.650(CFS)
Depth of flow =   0.389(Ft.), Average velocity =   8.906(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  15.197(Ft.)
Flow velocity =   8.91(Ft/s)
Travel time =    0.78 min.     TC =    9.45  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.893
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.240
Decimal fraction soil group C = 0.760
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  82.53
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      3.593(In/Hr) for a   100.0 year storm
Subarea runoff =     46.638(CFS) for     14.530(Ac.)
Total runoff =     65.902(CFS)    Total area =      20.270(Ac.)
Street flow at end of street =     65.902(CFS)
Half street flow at end of street =     32.951(CFS)
Depth of flow =   0.445(Ft.), Average velocity =   9.908(Ft/s)
Flow width (from curb towards crown)=  18.002(Ft.)


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Process from Point/Station      504.600 to Point/Station      504.600
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.854
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  87.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =     9.45 min.
Rainfall intensity =      3.593(In/Hr) for a   100.0 year storm
Subarea runoff =      6.599(CFS) for      2.150(Ac.)
Total runoff =     72.500(CFS)    Total area =      22.420(Ac.)


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Process from Point/Station      504.600 to Point/Station      504.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1173.000(Ft.)
Downstream point/station elevation =  1172.000(Ft.)
Pipe length  =   290.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    72.500(CFS)
Nearest computed pipe diameter  =     45.00(In.)
Calculated individual pipe flow  =    72.500(CFS)
Normal flow depth in pipe =   37.78(In.)
Flow top width inside pipe =   33.03(In.)
Critical Depth =   31.46(In.)
Pipe flow velocity =      7.32(Ft/s)
Travel time through pipe =    0.66 min.
Time of concentration (TC) =    10.11 min.


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Process from Point/Station      504.000 to Point/Station      504.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 3
Stream flow area =     22.420(Ac.)
Runoff from this stream =     72.500(CFS)
Time of concentration =   10.11 min.
Rainfall intensity =     3.462(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       10.430     15.03           2.784
2       68.756      9.28           3.628
3       72.500     10.11           3.462
Largest stream flow has longer or shorter time of concentration
Qp =     72.500 + sum of
           Qa          Tb/Ta
           10.430 *    0.673 =      7.018
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BASIN G

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          Qb         Ia/Ib
          68.756 *    0.954 =     65.595
Qp =    145.114

Total of 3 main streams to confluence:
Flow rates before confluence point:
      10.430      68.756      72.500
Area of streams before confluence:
        4.110       23.020       22.420


Results of confluence:
Total flow rate =    145.114(CFS)
Time of concentration =    10.111 min.
Effective stream area after confluence  =     49.550(Ac.)


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Process from Point/Station      504.000 to Point/Station      505.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1172.000(Ft.)
Downstream point/station elevation =  1100.000(Ft.)
Pipe length  =   952.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   145.114(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =   145.114(CFS)
Normal flow depth in pipe =   27.00(In.)
Flow top width inside pipe =   25.46(In.)
Critical depth could not be calculated.
Pipe flow velocity =     27.91(Ft/s)
Travel time through pipe =    0.57 min.
Time of concentration (TC) =    10.68 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      505.000 to Point/Station      505.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.893
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.170
Decimal fraction soil group C = 0.830
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  83.07
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    10.68 min.
Rainfall intensity =      3.359(In/Hr) for a   100.0 year storm
Subarea runoff =      6.511(CFS) for      2.170(Ac.)
Total runoff =    151.625(CFS)    Total area =      51.720(Ac.)


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Process from Point/Station      505.000 to Point/Station      505.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.893
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.280
Decimal fraction soil group C = 0.720
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  82.22
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    10.68 min.
Rainfall intensity =      3.359(In/Hr) for a   100.0 year storm
Subarea runoff =      4.139(CFS) for      1.380(Ac.)
Total runoff =    155.764(CFS)    Total area =      53.100(Ac.)


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Process from Point/Station      505.000 to Point/Station      506.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1100.000(Ft.)
Downstream point/station elevation =  1096.000(Ft.)
Pipe length  =    62.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   155.764(CFS)
Nearest computed pipe diameter  =     36.00(In.)
Calculated individual pipe flow  =   155.764(CFS)
Normal flow depth in pipe =   27.19(In.)
Flow top width inside pipe =   30.96(In.)
Critical depth could not be calculated.
Pipe flow velocity =     27.19(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =    10.72 min.


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Process from Point/Station      506.000 to Point/Station      506.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     53.100(Ac.)
Runoff from this stream =    155.764(CFS)
Time of concentration =   10.72 min.
Rainfall intensity =     3.353(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station      506.100 to Point/Station      506.200
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------
Initial area flow distance =   915.000(Ft.)
Top (of initial area) elevation =  1190.000(Ft.)
Bottom (of initial area) elevation =  1138.000(Ft.)
Difference in elevation =    52.000(Ft.)
Slope =    0.05683  s(percent)=       5.68
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.143 min.
Rainfall intensity =      3.899(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.893
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.570
Decimal fraction soil group C = 0.430
Decimal fraction soil group D = 0.000
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RI index for soil(AMC 3)  =  79.27
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =     29.934(CFS)
Total initial stream area =        8.600(Ac.)
Pervious area fraction = 0.100


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Process from Point/Station      506.200 to Point/Station      506.300
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =  1138.000(Ft.)
End of street segment elevation =  1126.500(Ft.)
Length of street segment  =  1158.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  28.000(Ft.)
Distance from crown to crossfall grade break  =  26.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  11.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     62.707(CFS)
Depth of flow =   0.642(Ft.), Average velocity =   3.762(Ft/s)
Warning: depth of flow exceeds top of curb
Distance that curb overflow reaches into property =    7.08(Ft.)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  27.834(Ft.)
Flow velocity =   3.76(Ft/s)
Travel time =    5.13 min.     TC =   13.27  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.890
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.680
Decimal fraction soil group C = 0.320
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  78.13
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      2.981(In/Hr) for a   100.0 year storm
Subarea runoff =     65.361(CFS) for     24.640(Ac.)
Total runoff =     95.295(CFS)    Total area =      33.240(Ac.)
Street flow at end of street =     95.295(CFS)
Half street flow at end of street =     47.647(CFS)
Depth of flow =   0.719(Ft.), Average velocity =   4.261(Ft/s)
Warning: depth of flow exceeds top of curb
Note:  depth of flow exceeds top of street crown.
Distance that curb overflow reaches into property =   10.93(Ft.)
Flow width (from curb towards crown)=  28.000(Ft.)


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Process from Point/Station      506.300 to Point/Station      506.400
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =  1126.500(Ft.)
End of street segment elevation =  1104.000(Ft.)
Length of street segment  =  1148.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  28.000(Ft.)
Distance from crown to crossfall grade break  =  26.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  11.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =    144.905(CFS)
Depth of flow =   0.733(Ft.), Average velocity =   6.174(Ft/s)
Warning: depth of flow exceeds top of curb
Note:  depth of flow exceeds top of street crown.
Distance that curb overflow reaches into property =   11.64(Ft.)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  28.000(Ft.)
Flow velocity =   6.17(Ft/s)
Travel time =    3.10 min.     TC =   16.37  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.890
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.440
Decimal fraction soil group C = 0.560
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  80.62
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      2.656(In/Hr) for a   100.0 year storm
Subarea runoff =     99.043(CFS) for     41.890(Ac.)
Total runoff =    194.337(CFS)    Total area =      75.130(Ac.)
Street flow at end of street =    194.337(CFS)
Half street flow at end of street =     97.169(CFS)
Depth of flow =   0.791(Ft.), Average velocity =   6.943(Ft/s)
Warning: depth of flow exceeds top of curb
Note:  depth of flow exceeds top of street crown.
Distance that curb overflow reaches into property =   14.54(Ft.)
Flow width (from curb towards crown)=  28.000(Ft.)


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Process from Point/Station      506.400 to Point/Station      506.400
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.831
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.200
Decimal fraction soil group C = 0.800
Decimal fraction soil group D = 0.000
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RI index for soil(AMC 3)  =  85.84
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    16.37 min.
Rainfall intensity =      2.656(In/Hr) for a   100.0 year storm
Subarea runoff =     14.811(CFS) for      6.710(Ac.)
Total runoff =    209.148(CFS)    Total area =      81.840(Ac.)


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Process from Point/Station      506.400 to Point/Station      506.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1098.000(Ft.)
Downstream point/station elevation =  1097.000(Ft.)
Pipe length  =   115.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   209.148(CFS)
Nearest computed pipe diameter  =     57.00(In.)
Calculated individual pipe flow  =   209.148(CFS)
Normal flow depth in pipe =   46.13(In.)
Flow top width inside pipe =   44.79(In.)
Critical Depth =   49.47(In.)
Pipe flow velocity =     13.63(Ft/s)
Travel time through pipe =    0.14 min.
Time of concentration (TC) =    16.51 min.


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Process from Point/Station      506.500 to Point/Station      506.500
**** CONFLUENCE OF MINOR STREAMS ****
----------------------------------------------------------------------
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     81.840(Ac.)
Runoff from this stream =    209.148(CFS)
Time of concentration =   16.51 min.
Rainfall intensity =     2.643(In/Hr)


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Process from Point/Station      506.510 to Point/Station      506.520
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------
Initial area flow distance =   898.000(Ft.)
Top (of initial area) elevation =  1575.000(Ft.)
Bottom (of initial area) elevation =  1184.000(Ft.)
Difference in elevation =   391.000(Ft.)
Slope =    0.43541  s(percent)=      43.54
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.502 min.
Rainfall intensity =      3.582(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.881
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     26.527(CFS)
Total initial stream area =        8.410(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station      506.520 to Point/Station      506.530
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1184.000(Ft.)
Downstream point/station elevation =  1131.000(Ft.)
Pipe length  =   500.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    26.527(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    26.527(CFS)
Normal flow depth in pipe =   11.91(In.)
Flow top width inside pipe =   17.04(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.38(Ft/s)
Travel time through pipe =    0.39 min.
Time of concentration (TC) =     9.89 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      506.530 to Point/Station      506.530
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =     9.89 min.
Rainfall intensity =      3.504(In/Hr) for a   100.0 year storm
Subarea runoff =     13.414(CFS) for      4.350(Ac.)
Total runoff =     39.941(CFS)    Total area =      12.760(Ac.)


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Process from Point/Station      506.530 to Point/Station      506.540
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1131.000(Ft.)
Downstream point/station elevation =  1125.000(Ft.)
Pipe length  =   745.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    39.941(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    39.941(CFS)
Normal flow depth in pipe =   23.20(In.)
Flow top width inside pipe =   30.15(In.)
Critical Depth =   25.24(In.)
Pipe flow velocity =      8.96(Ft/s)
Travel time through pipe =    1.39 min.
Time of concentration (TC) =    11.28 min.
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Process from Point/Station      506.540 to Point/Station      506.540
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.879
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    11.28 min.
Rainfall intensity =      3.260(In/Hr) for a   100.0 year storm
Subarea runoff =     12.632(CFS) for      4.410(Ac.)
Total runoff =     52.573(CFS)    Total area =      17.170(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      506.540 to Point/Station      506.550
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1125.000(Ft.)
Downstream point/station elevation =  1122.000(Ft.)
Pipe length  =   272.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    52.573(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    52.573(CFS)
Normal flow depth in pipe =   25.59(In.)
Flow top width inside pipe =   27.54(In.)
Critical Depth =   28.49(In.)
Pipe flow velocity =     10.64(Ft/s)
Travel time through pipe =    0.43 min.
Time of concentration (TC) =    11.70 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      506.550 to Point/Station      506.550
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.878
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    11.70 min.
Rainfall intensity =      3.194(In/Hr) for a   100.0 year storm
Subarea runoff =     18.991(CFS) for      6.770(Ac.)
Total runoff =     71.564(CFS)    Total area =      23.940(Ac.)


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Process from Point/Station      506.550 to Point/Station      506.560
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1122.000(Ft.)
Downstream point/station elevation =  1119.000(Ft.)
Pipe length  =   333.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    71.564(CFS)
Nearest computed pipe diameter  =     39.00(In.)
Calculated individual pipe flow  =    71.564(CFS)
Normal flow depth in pipe =   29.30(In.)
Flow top width inside pipe =   33.72(In.)
Critical Depth =   32.21(In.)
Pipe flow velocity =     10.71(Ft/s)
Travel time through pipe =    0.52 min.
Time of concentration (TC) =    12.22 min.


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Process from Point/Station      506.560 to Point/Station      506.560
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.878
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    12.22 min.
Rainfall intensity =      3.119(In/Hr) for a   100.0 year storm
Subarea runoff =     10.156(CFS) for      3.710(Ac.)
Total runoff =     81.720(CFS)    Total area =      27.650(Ac.)


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Process from Point/Station      506.560 to Point/Station      506.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1119.000(Ft.)
Downstream point/station elevation =  1097.000(Ft.)
Pipe length  =  1176.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    81.720(CFS)
Nearest computed pipe diameter  =     36.00(In.)
Calculated individual pipe flow  =    81.720(CFS)
Normal flow depth in pipe =   26.58(In.)
Flow top width inside pipe =   31.65(In.)
Critical Depth =   33.44(In.)
Pipe flow velocity =     14.60(Ft/s)
Travel time through pipe =    1.34 min.
Time of concentration (TC) =    13.57 min.


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Process from Point/Station      506.500 to Point/Station      506.500
**** CONFLUENCE OF MINOR STREAMS ****
----------------------------------------------------------------------------
Along Main Stream number: 2 in normal stream number 2
Stream flow area =     27.650(Ac.)
Runoff from this stream =     81.720(CFS)
Time of concentration =   13.57 min.
Rainfall intensity =     2.945(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
```

```
 No.       (CFS)       (min)                (In/Hr)


1      209.148     16.51                2.643
2       81.720     13.57                2.945
Largest stream flow has longer time of concentration
Qp =    209.148 + sum of
           Qb         Ia/Ib
           81.720 *    0.898 =     73.344
Qp =    282.492

Total of 2 streams to confluence:
Flow rates before confluence point:
     209.148      81.720
Area of streams before confluence:
       81.840       27.650
Results of confluence:
Total flow rate =    282.492(CFS)
Time of concentration =    16.513 min.
Effective stream area after confluence =    109.490(Ac.)


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Process from Point/Station      506.500 to Point/Station      506.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1097.000(Ft.)
Downstream point/station elevation =  1096.000(Ft.)
Pipe length  =   144.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   282.492(CFS)
Nearest computed pipe diameter  =     66.00(In.)
Calculated individual pipe flow  =   282.492(CFS)
Normal flow depth in pipe =   54.66(In.)
Flow top width inside pipe =   49.80(In.)
Critical Depth =   55.84(In.)
Pipe flow velocity =     13.42(Ft/s)
Travel time through pipe =    0.18 min.
Time of concentration (TC) =    16.69 min.


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Process from Point/Station      506.000 to Point/Station      506.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =    109.490(Ac.)
Runoff from this stream =    282.492(CFS)
Time of concentration =   16.69 min.
Rainfall intensity =     2.628(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      155.764     10.72           3.353
2      282.492     16.69           2.628
Largest stream flow has longer time of concentration
Qp =    282.492 + sum of
           Qb         Ia/Ib
         155.764 *    0.784 =    122.082
Qp =    404.574

Total of 2 main streams to confluence:
Flow rates before confluence point:
     155.764     282.492
Area of streams before confluence:
       53.100      109.490


Results of confluence:
Total flow rate =    404.574(CFS)
Time of concentration =    16.691 min.
Effective stream area after confluence  =    162.590(Ac.)


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Process from Point/Station      506.000 to Point/Station      507.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1096.000(Ft.)
Downstream point/station elevation =  1056.000(Ft.)
Pipe length  =   415.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   404.574(CFS)
Nearest computed pipe diameter  =     48.00(In.)
Calculated individual pipe flow  =   404.574(CFS)
Normal flow depth in pipe =   35.81(In.)
Flow top width inside pipe =   41.78(In.)
Critical depth could not be calculated.
Pipe flow velocity =     40.20(Ft/s)
Travel time through pipe =    0.17 min.
Time of concentration (TC) =    16.86 min.


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Process from Point/Station      507.000 to Point/Station      507.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =    162.590(Ac.)
Runoff from this stream =    404.574(CFS)
Time of concentration =   16.86 min.
Rainfall intensity =     2.613(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station      507.100 to Point/Station      507.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   740.000(Ft.)
Top (of initial area) elevation =  1535.000(Ft.)
Bottom (of initial area) elevation =  1205.000(Ft.)
Difference in elevation =   330.000(Ft.)
Slope =    0.44595  s(percent)=      44.59
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.752 min.
Rainfall intensity =      3.748(In/Hr) for a   100.0 year storm
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UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.881
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     29.729(CFS)
Total initial stream area =        9.000(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station      507.200 to Point/Station      507.300
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1205.000(Ft.)
End of natural channel elevation =   1080.000(Ft.)
Length of natural channel  =   640.000(Ft.)
Estimated mean flow rate at midpoint of channel =     62.712(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  18.27(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1953
Corrected/adjusted channel slope =  0.1953
Travel time =    0.58 min.     TC =    9.34  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.881
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.617(In/Hr) for a   100.0 year storm
Subarea runoff =     63.616(CFS) for     19.970(Ac.)
Total runoff =     93.345(CFS)    Total area =      28.970(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      507.300 to Point/Station      507.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1080.000(Ft.)
Downstream point/station elevation =  1067.000(Ft.)
Pipe length  =   980.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    93.345(CFS)
Nearest computed pipe diameter  =     39.00(In.)
Calculated individual pipe flow  =    93.345(CFS)
Normal flow depth in pipe =   31.31(In.)
Flow top width inside pipe =   31.03(In.)
Critical Depth =   35.56(In.)
Pipe flow velocity =     13.07(Ft/s)
Travel time through pipe =    1.25 min.
Time of concentration (TC) =    10.59 min.


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Process from Point/Station      507.400 to Point/Station      507.400
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     28.970(Ac.)
Runoff from this stream =     93.345(CFS)
Time of concentration =   10.59 min.
Rainfall intensity =     3.375(In/Hr)


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Process from Point/Station      507.410 to Point/Station      507.420
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =  1000.000(Ft.)
Top (of initial area) elevation =  1220.000(Ft.)
Bottom (of initial area) elevation =  1084.000(Ft.)
Difference in elevation =   136.000(Ft.)
Slope =    0.13600  s(percent)=      13.60
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.086 min.
Rainfall intensity =      4.209(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.895
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.130
Decimal fraction soil group C = 0.870
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  83.39
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =     39.277(CFS)
Total initial stream area =       10.430(Ac.)
Pervious area fraction = 0.100


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Process from Point/Station      507.420 to Point/Station      507.430
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =  1084.500(Ft.)
End of street segment elevation =  1081.000(Ft.)
Length of street segment  =   206.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  28.000(Ft.)
Distance from crown to crossfall grade break  =  26.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  11.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
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 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     51.044(CFS)
Depth of flow =   0.551(Ft.), Average velocity =   4.585(Ft/s)
Warning: depth of flow exceeds top of curb
Distance that curb overflow reaches into property =    2.53(Ft.)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  23.276(Ft.)
Flow velocity =   4.58(Ft/s)
Travel time =    0.75 min.     TC =    7.84  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.893
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.570
Decimal fraction soil group C = 0.430
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  79.27
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      3.983(In/Hr) for a   100.0 year storm
Subarea runoff =     23.362(CFS) for      6.570(Ac.)
Total runoff =     62.639(CFS)    Total area =      17.000(Ac.)
Street flow at end of street =     62.639(CFS)
Half street flow at end of street =     31.319(CFS)
Depth of flow =   0.590(Ft.), Average velocity =   4.708(Ft/s)
Warning: depth of flow exceeds top of curb
Distance that curb overflow reaches into property =    4.48(Ft.)
Flow width (from curb towards crown)=  25.233(Ft.)


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Process from Point/Station      507.430 to Point/Station      507.430
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.838
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.700
Decimal fraction soil group C = 0.300
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  81.92
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =     7.84 min.
Rainfall intensity =      3.983(In/Hr) for a   100.0 year storm
Subarea runoff =     10.949(CFS) for      3.280(Ac.)
Total runoff =     73.587(CFS)    Total area =      20.280(Ac.)


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Process from Point/Station      507.430 to Point/Station      507.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1068.000(Ft.)
Downstream point/station elevation =  1067.000(Ft.)
Pipe length  =   150.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    73.587(CFS)
Nearest computed pipe diameter  =     42.00(In.)
Calculated individual pipe flow  =    73.587(CFS)
Normal flow depth in pipe =   31.03(In.)
Flow top width inside pipe =   36.90(In.)
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Critical Depth =   32.25(In.)
Pipe flow velocity =      9.66(Ft/s)
Travel time through pipe =    0.26 min.
Time of concentration (TC) =     8.09 min.


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Process from Point/Station      507.400 to Point/Station      507.400
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =     20.280(Ac.)
Runoff from this stream =     73.587(CFS)
Time of concentration =    8.09 min.
Rainfall intensity =     3.912(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       93.345     10.59                 3.375
2       73.587      8.09                 3.912
Largest stream flow has longer time of concentration
Qp =     93.345 + sum of
           Qb         Ia/Ib
           73.587 *    0.863 =     63.488
Qp =    156.832

Total of 2 streams to confluence:
Flow rates before confluence point:
      93.345      73.587
Area of streams before confluence:
       28.970       20.280
Results of confluence:
Total flow rate =    156.832(CFS)
Time of concentration =    10.586 min.
Effective stream area after confluence =     49.250(Ac.)


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Process from Point/Station      507.400 to Point/Station      507.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1067.000(Ft.)
Downstream point/station elevation =  1056.000(Ft.)
Pipe length  =   122.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   156.832(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =   156.832(CFS)
Normal flow depth in pipe =   26.67(In.)
Flow top width inside pipe =   25.98(In.)
Critical depth could not be calculated.
Pipe flow velocity =     30.48(Ft/s)
Travel time through pipe =    0.07 min.
Time of concentration (TC) =    10.65 min.
```

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Process from Point/Station      507.000 to Point/Station      507.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     49.250(Ac.)
Runoff from this stream =    156.832(CFS)
Time of concentration =   10.65 min.
Rainfall intensity =     3.364(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1      404.574     16.86           2.613
2      156.832     10.65           3.364
Largest stream flow has longer time of concentration
Qp =    404.574 + sum of
           Qb         Ia/Ib
          156.832 *    0.777 =    121.819
Qp =    526.394

Total of 2 main streams to confluence:
Flow rates before confluence point:
     404.574     156.832
Area of streams before confluence:
      162.590       49.250


Results of confluence:
Total flow rate =    526.394(CFS)
Time of concentration =    16.864 min.
Effective stream area after confluence  =    211.840(Ac.)


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Process from Point/Station      507.000 to Point/Station      508.100
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1056.000(Ft.)
Downstream point/station elevation =   979.000(Ft.)
Pipe length  =   554.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   526.394(CFS)
Nearest computed pipe diameter  =     48.00(In.)
Calculated individual pipe flow  =   526.394(CFS)
Normal flow depth in pipe =   38.63(In.)
Flow top width inside pipe =   38.06(In.)
Critical depth could not be calculated.
Pipe flow velocity =     48.58(Ft/s)
Travel time through pipe =    0.19 min.
Time of concentration (TC) =    17.05 min.
```

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Process from Point/Station      508.100 to Point/Station      508.200
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =   979.000(Ft.)
Downstream point/station elevation =   978.000(Ft.)
Pipe length  =    54.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   526.394(CFS)
Nearest computed pipe diameter  =     69.00(In.)
Calculated individual pipe flow  =   526.394(CFS)
Normal flow depth in pipe =   58.13(In.)
Flow top width inside pipe =   50.28(In.)
Critical depth could not be calculated.
Pipe flow velocity =     22.56(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =    17.09 min.
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Process from Point/Station      508.200 to Point/Station      508.200
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.822
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    17.09 min.
Rainfall intensity =      2.593(In/Hr) for a   100.0 year storm
Subarea runoff =     16.604(CFS) for      7.790(Ac.)
Total runoff =    542.998(CFS)    Total area =     219.630(Ac.)


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Process from Point/Station      508.200 to Point/Station      508.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =   978.000(Ft.)
Downstream point/station elevation =   977.000(Ft.)
Pipe length  =    56.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   542.998(CFS)
Nearest computed pipe diameter  =     72.00(In.)
Calculated individual pipe flow  =   542.998(CFS)
Normal flow depth in pipe =   56.53(In.)
Flow top width inside pipe =   59.14(In.)
Critical depth could not be calculated.
Pipe flow velocity =     22.79(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =    17.13 min.
```

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Process from Point/Station      508.000 to Point/Station      508.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.887
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    17.13 min.
Rainfall intensity =      2.590(In/Hr) for a   100.0 year storm
Subarea runoff =      6.407(CFS) for      2.790(Ac.)
Total runoff =    549.406(CFS)    Total area =     222.420(Ac.)


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Process from Point/Station      508.000 to Point/Station      508.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.887
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    17.13 min.
Rainfall intensity =      2.590(In/Hr) for a   100.0 year storm
Subarea runoff =      6.752(CFS) for      2.940(Ac.)
Total runoff =    556.157(CFS)    Total area =     225.360(Ac.)
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ONSITE

OFFSITE

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      508.000 to Point/Station      509.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =   977.000(Ft.)
Downstream point/station elevation =   871.000(Ft.)
Pipe length  =  1185.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   556.157(CFS)
Nearest computed pipe diameter  =     54.00(In.)
Calculated individual pipe flow  =   556.157(CFS)
Normal flow depth in pipe =   41.81(In.)
Flow top width inside pipe =   45.15(In.)
Critical depth could not be calculated.
Pipe flow velocity =     42.07(Ft/s)
Travel time through pipe =    0.47 min.
Time of concentration (TC) =    17.60 min.


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Process from Point/Station      509.000 to Point/Station      509.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =    225.360(Ac.)
Runoff from this stream =    556.157(CFS)
Time of concentration =   17.60 min.
Rainfall intensity =     2.552(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station      509.100 to Point/Station      509.200
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------------
Initial area flow distance =  1020.000(Ft.)
Top (of initial area) elevation =  1390.000(Ft.)
Bottom (of initial area) elevation =  1008.000(Ft.)
Difference in elevation =   382.000(Ft.)
Slope =    0.37451  s(percent)=      37.45
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.304 min.
Rainfall intensity =      3.426(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.873
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.430
Decimal fraction soil group C = 0.570
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  92.54
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     34.169(CFS)
Total initial stream area =       11.430(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station      509.200 to Point/Station      509.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
Top of street segment elevation =  1008.000(Ft.)
End of street segment elevation =   871.000(Ft.)
Length of street segment  =   964.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  28.000(Ft.)
Distance from crown to crossfall grade break  =  26.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  11.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     78.543(CFS)
Depth of flow =   0.444(Ft.), Average velocity =  11.889(Ft/s)
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Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  17.939(Ft.)
Flow velocity =  11.89(Ft/s)
Travel time =    1.35 min.     TC =   11.66  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.890
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.800
Decimal fraction soil group C = 0.200
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  76.88
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      3.201(In/Hr) for a   100.0 year storm
Subarea runoff =     88.607(CFS) for     31.100(Ac.)
Total runoff =    122.776(CFS)    Total area =      42.530(Ac.)
Street flow at end of street =    122.776(CFS)
Half street flow at end of street =     61.388(CFS)
Depth of flow =   0.514(Ft.), Average velocity =  13.071(Ft/s)
Warning: depth of flow exceeds top of curb
Distance that curb overflow reaches into property =    0.71(Ft.)
Flow width (from curb towards crown)=  21.463(Ft.)


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Process from Point/Station      509.000 to Point/Station      509.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     42.530(Ac.)
Runoff from this stream =    122.776(CFS)
Time of concentration =   11.66 min.
Rainfall intensity =     3.201(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1      556.157     17.60           2.552
2      122.776     11.66           3.201
Largest stream flow has longer time of concentration
Qp =    556.157 + sum of
          Qb         Ia/Ib
         122.776 *    0.797 =     97.865
Qp =    654.022

Total of 2 main streams to confluence:
Flow rates before confluence point:
     556.157     122.776
Area of streams before confluence:
      225.360       42.530


Results of confluence:
Total flow rate =    654.022(CFS)
Time of concentration =    17.604 min.
Effective stream area after confluence  =    267.890(Ac.)


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Process from Point/Station      509.000 to Point/Station      510.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =   871.000(Ft.)
Downstream point/station elevation =   857.940(Ft.)
Pipe length  =  1370.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   654.022(CFS)
Nearest computed pipe diameter  =     84.00(In.)
Calculated individual pipe flow  =   654.022(CFS)
Normal flow depth in pipe =   73.31(In.)
Flow top width inside pipe =   55.98(In.)
Critical Depth =   77.24(In.)
Pipe flow velocity =     18.36(Ft/s)
Travel time through pipe =    1.24 min.
Time of concentration (TC) =    18.85 min.


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Process from Point/Station      510.000 to Point/Station      510.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =    267.890(Ac.)
Runoff from this stream =    654.022(CFS)
Time of concentration =   18.85 min.
Rainfall intensity =     2.458(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station      510.100 to Point/Station      510.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   614.000(Ft.)
Top (of initial area) elevation =   965.000(Ft.)
Bottom (of initial area) elevation =   915.000(Ft.)
Difference in elevation =    50.000(Ft.)
Slope =    0.08143  s(percent)=       8.14
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    6.460 min.
Rainfall intensity =      4.429(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.892
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =     16.943(CFS)
Total initial stream area =        4.290(Ac.)
Pervious area fraction = 0.100
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Process from Point/Station      510.200 to Point/Station      510.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of natural channel elevation =    915.000(Ft.)
End of natural channel elevation =    857.940(Ft.)
Length of natural channel  =   812.000(Ft.)
Estimated mean flow rate at midpoint of channel =     50.453(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  10.29(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0703
Corrected/adjusted channel slope =  0.0703
Travel time =    1.32 min.     TC =    7.78  min.


 Adding area flow to channel
COMMERCIAL subarea type
Runoff Coefficient = 0.891
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      4.000(In/Hr) for a   100.0 year storm
Subarea runoff =     60.470(CFS) for     16.970(Ac.)
Total runoff =     77.413(CFS)    Total area =      21.260(Ac.)


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Process from Point/Station      510.000 to Point/Station      510.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     21.260(Ac.)
Runoff from this stream =     77.413(CFS)
Time of concentration =    7.78 min.
Rainfall intensity =     4.000(In/Hr)
Program is now starting with Main Stream No. 3


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Process from Point/Station      510.110 to Point/Station      510.120
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =  1015.000(Ft.)
Top (of initial area) elevation =  1465.000(Ft.)
Bottom (of initial area) elevation =  1070.000(Ft.)
Difference in elevation =   395.000(Ft.)
Slope =    0.38916  s(percent)=      38.92
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    5.777 min.
Rainfall intensity =      4.710(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.896
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =     36.146(CFS)
Total initial stream area =        8.570(Ac.)
Pervious area fraction = 0.100


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Process from Point/Station      510.120 to Point/Station      510.130
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of street segment elevation =  1070.000(Ft.)
End of street segment elevation =   950.000(Ft.)
Length of street segment  =   951.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  28.000(Ft.)
Distance from crown to crossfall grade break  =  26.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  11.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =    124.102(CFS)
Depth of flow =   0.528(Ft.), Average velocity =  12.366(Ft/s)
Warning: depth of flow exceeds top of curb
Distance that curb overflow reaches into property =    1.41(Ft.)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  22.165(Ft.)
Flow velocity =  12.37(Ft/s)
Travel time =    1.28 min.     TC =    7.06  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.893
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.630
Decimal fraction soil group C = 0.370
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  78.65
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      4.218(In/Hr) for a   100.0 year storm
Subarea runoff =    175.743(CFS) for     46.660(Ac.)
Total runoff =    211.889(CFS)    Total area =      55.230(Ac.)
Street flow at end of street =    211.889(CFS)
Half street flow at end of street =    105.945(CFS)
Depth of flow =   0.631(Ft.), Average velocity =  13.284(Ft/s)
Warning: depth of flow exceeds top of curb
Distance that curb overflow reaches into property =    6.56(Ft.)
Flow width (from curb towards crown)=  27.312(Ft.)
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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      510.130 to Point/Station      510.140
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =   950.000(Ft.)
End of street segment elevation =   865.000(Ft.)
Length of street segment  =  1656.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  28.000(Ft.)
Distance from crown to crossfall grade break  =  26.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  11.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =    336.634(CFS)
Depth of flow =   0.806(Ft.), Average velocity =  11.546(Ft/s)
Warning: depth of flow exceeds top of curb
Note:  depth of flow exceeds top of street crown.
Distance that curb overflow reaches into property =   15.29(Ft.)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  28.000(Ft.)
Flow velocity =  11.55(Ft/s)
Travel time =    2.39 min.     TC =    9.45  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.890
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.900
Decimal fraction soil group C = 0.100
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  75.84
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      3.593(In/Hr) for a   100.0 year storm
Subarea runoff =    249.376(CFS) for     77.940(Ac.)
Total runoff =    461.265(CFS)    Total area =     133.170(Ac.)
Street flow at end of street =    461.265(CFS)
Half street flow at end of street =    230.632(CFS)
Depth of flow =   0.883(Ft.), Average velocity =  13.096(Ft/s)
Warning: depth of flow exceeds top of curb
Note:  depth of flow exceeds top of street crown.
Distance that curb overflow reaches into property =   19.17(Ft.)
Flow width (from curb towards crown)=  28.000(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      510.140 to Point/Station      510.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =   865.000(Ft.)
Downstream point/station elevation =   857.900(Ft.)
Pipe length  =   660.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   461.265(CFS)
Nearest computed pipe diameter  =     72.00(In.)
Calculated individual pipe flow  =   461.265(CFS)
Normal flow depth in pipe =   63.00(In.)
Flow top width inside pipe =   47.62(In.)
Critical Depth =   66.77(In.)
Pipe flow velocity =     17.59(Ft/s)
Travel time through pipe =    0.63 min.
Time of concentration (TC) =    10.07 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      510.000 to Point/Station      510.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 3
Stream flow area =    133.170(Ac.)
Runoff from this stream =    461.265(CFS)
Time of concentration =   10.07 min.
Rainfall intensity =     3.469(In/Hr)
Summary of stream data:

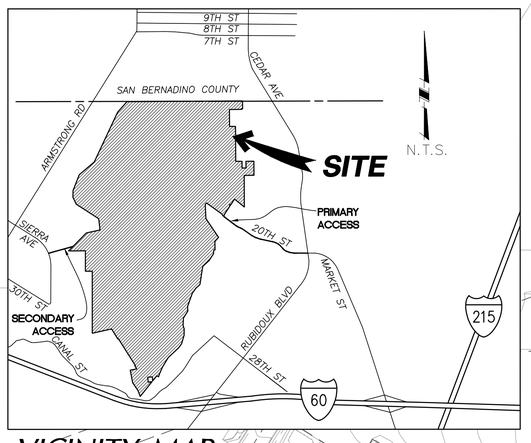
Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      654.022     18.85           2.458
2       77.413      7.78           4.000
3      461.265     10.07           3.469
Largest stream flow has longer time of concentration
Qp =    654.022 + sum of
           Qb         Ia/Ib
          77.413 *    0.614 =     47.569
           Qb         Ia/Ib
         461.265 *    0.709 =    326.834
Qp =   1028.425

Total of 3 main streams to confluence:
Flow rates before confluence point:
     654.022      77.413     461.265
Area of streams before confluence:
      267.890       21.260      133.170


Results of confluence:
Total flow rate =   1028.425(CFS)
Time of concentration =    18.847 min.
Effective stream area after confluence  =    422.320(Ac.)
End of computations, total study area =          422.32 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.308
Area averaged RI index number =  65.2
```



VICINITY MAP

LEGEND

- MAJOR DRAINAGE BOUNDARY
- MINOR DRAINAGE BOUNDARY
- PROJECT BOUNDARY
- 1 — NODE NUMBER
- A / 1.20 — AREA DESIGNATION / AREA ACREAGE
- ΣQ100 =8.0cfs / t=15.0 — PEAK CONFLUENCE FLOW RATE / TIME OF CONCENTRATION
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- B / C — SOIL GROUP

JOIN 54 RCP EXISTING PIPE CAPACITY Q100DESIGN =305 CFS PER PARAMOUNT ESTATES MDP LATERAL A, A-2

TR31894

PROPOSED STORM DRAIN

JOIN 36 RCP EXISTING PIPE CAPACITY Q100DESIGN =55.9 CFS PER STORM DRAIN IMPROVEMENT PLAN TRACT 31894 & 37470

JOIN 54 RCP EXISTING PIPE CAPACITY Q100DESIGN =247 CFS PER STORM DRAIN IMPROVEMENT PLAN TRACT 31894 SHEET 20 OF 24

PROPOSED STORM DRAIN TO EXISTING 84"RCP AT INTERSECTION OF AVALON AND 20TH STREET. PER BELLTOWN MARKET STREET STORM DRAIN LINE B-STAGE 1

PRELIMINARY OFFSITE HYDROLOGY TO INTERSECTION OF AVALON AND 20TH ST., SEE EXHIBIT F

SCALE: 1" = 200'

0 100 200 400

SCALE: 1" = 200'

PREPARED FOR/OWNER:

RICHLAND COMMUNITIES

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Tel: (949) 261-7016

PREPARED BY:

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PROPOSED HYDROLOGY MAP FOR TTM 37074 RIO VISTA CITY OF JURUPA VALLEY, CA

SECTION 4
BASIN STUDIES

TRIBUTARY TO SUNNYSLOPE CHANNEL
BASIN A, B, C, D AND E

BASIN A

UNIT HYDROGRAPH

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
Study date 12/16/21 File: RVEXA242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- EXISTING UNIT HYDROGRAPH
2YR-24HR STROM

Drainage Area = 53.70(Ac.) = 0.084 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 53.70(Ac.) = 0.084 Sq. Mi.
Length along longest watercourse = 2145.30(Ft.)
Length along longest watercourse measured to centroid = 1004.00(Ft.)
Length along longest watercourse = 0.406 Mi.
Length along longest watercourse measured to centroid = 0.190 Mi.
Difference in elevation = 460.00(Ft.)
Slope along watercourse = 1132.1493 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.095 Hr.
Lag time = 5.72 Min.
25% of lag time = 1.43 Min.
40% of lag time = 2.29 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	2.70	144.99

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	7.00	375.90

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
53.700	83.40	0.000

Total Area Entered = 53.70(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
83.4	67.8	0.386	0.000	0.386	1.000	0.386

Sum (F) = 0.386

Area averaged mean soil loss (F) (In/Hr) = 0.386
Minimum soil loss rate ((In/Hr)) = 0.193
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	87.371	15.405	8.337
2	0.167	174.742	46.530	25.182
3	0.250	262.113	18.006	9.745
4	0.333	349.484	7.793	4.217
5	0.417	436.854	4.572	2.474
6	0.500	524.225	2.881	1.559
7	0.583	611.596	2.017	1.091
8	0.667	698.967	1.315	0.712
9	0.750	786.338	0.907	0.491
10	0.833	873.709	0.573	0.310
		Sum = 100.000	Sum=	54.120

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.685)		0.019	0.002
2	0.17	0.07	0.022	(0.682)		0.019	0.002
3	0.25	0.07	0.022	(0.679)		0.019	0.002
4	0.33	0.10	0.032	(0.677)		0.029	0.003
5	0.42	0.10	0.032	(0.674)		0.029	0.003
6	0.50	0.10	0.032	(0.671)		0.029	0.003
7	0.58	0.10	0.032	(0.669)		0.029	0.003
8	0.67	0.10	0.032	(0.666)		0.029	0.003
9	0.75	0.10	0.032	(0.664)		0.029	0.003
10	0.83	0.13	0.043	(0.661)		0.039	0.004
11	0.92	0.13	0.043	(0.658)		0.039	0.004
12	1.00	0.13	0.043	(0.656)		0.039	0.004
13	1.08	0.10	0.032	(0.653)		0.029	0.003
14	1.17	0.10	0.032	(0.651)		0.029	0.003
15	1.25	0.10	0.032	(0.648)		0.029	0.003
16	1.33	0.10	0.032	(0.645)		0.029	0.003
17	1.42	0.10	0.032	(0.643)		0.029	0.003
18	1.50	0.10	0.032	(0.640)		0.029	0.003
19	1.58	0.10	0.032	(0.638)		0.029	0.003
20	1.67	0.10	0.032	(0.635)		0.029	0.003
21	1.75	0.10	0.032	(0.633)		0.029	0.003
22	1.83	0.13	0.043	(0.630)		0.039	0.004
23	1.92	0.13	0.043	(0.628)		0.039	0.004
24	2.00	0.13	0.043	(0.625)		0.039	0.004
25	2.08	0.13	0.043	(0.622)		0.039	0.004
26	2.17	0.13	0.043	(0.620)		0.039	0.004
27	2.25	0.13	0.043	(0.617)		0.039	0.004
28	2.33	0.13	0.043	(0.615)		0.039	0.004
29	2.42	0.13	0.043	(0.612)		0.039	0.004
30	2.50	0.13	0.043	(0.610)		0.039	0.004
31	2.58	0.17	0.054	(0.607)		0.049	0.005
32	2.67	0.17	0.054	(0.605)		0.049	0.005
33	2.75	0.17	0.054	(0.602)		0.049	0.005

34	2.83	0.17	0.054	(0.600)	0.049	0.005
35	2.92	0.17	0.054	(0.597)	0.049	0.005
36	3.00	0.17	0.054	(0.595)	0.049	0.005
37	3.08	0.17	0.054	(0.593)	0.049	0.005
38	3.17	0.17	0.054	(0.590)	0.049	0.005
39	3.25	0.17	0.054	(0.588)	0.049	0.005
40	3.33	0.17	0.054	(0.585)	0.049	0.005
41	3.42	0.17	0.054	(0.583)	0.049	0.005
42	3.50	0.17	0.054	(0.580)	0.049	0.005
43	3.58	0.17	0.054	(0.578)	0.049	0.005
44	3.67	0.17	0.054	(0.575)	0.049	0.005
45	3.75	0.17	0.054	(0.573)	0.049	0.005
46	3.83	0.20	0.065	(0.571)	0.058	0.006
47	3.92	0.20	0.065	(0.568)	0.058	0.006
48	4.00	0.20	0.065	(0.566)	0.058	0.006
49	4.08	0.20	0.065	(0.563)	0.058	0.006
50	4.17	0.20	0.065	(0.561)	0.058	0.006
51	4.25	0.20	0.065	(0.559)	0.058	0.006
52	4.33	0.23	0.076	(0.556)	0.068	0.008
53	4.42	0.23	0.076	(0.554)	0.068	0.008
54	4.50	0.23	0.076	(0.551)	0.068	0.008
55	4.58	0.23	0.076	(0.549)	0.068	0.008
56	4.67	0.23	0.076	(0.547)	0.068	0.008
57	4.75	0.23	0.076	(0.544)	0.068	0.008
58	4.83	0.27	0.086	(0.542)	0.078	0.009
59	4.92	0.27	0.086	(0.540)	0.078	0.009
60	5.00	0.27	0.086	(0.537)	0.078	0.009
61	5.08	0.20	0.065	(0.535)	0.058	0.006
62	5.17	0.20	0.065	(0.533)	0.058	0.006
63	5.25	0.20	0.065	(0.530)	0.058	0.006
64	5.33	0.23	0.076	(0.528)	0.068	0.008
65	5.42	0.23	0.076	(0.526)	0.068	0.008
66	5.50	0.23	0.076	(0.523)	0.068	0.008
67	5.58	0.27	0.086	(0.521)	0.078	0.009
68	5.67	0.27	0.086	(0.519)	0.078	0.009
69	5.75	0.27	0.086	(0.517)	0.078	0.009
70	5.83	0.27	0.086	(0.514)	0.078	0.009
71	5.92	0.27	0.086	(0.512)	0.078	0.009
72	6.00	0.27	0.086	(0.510)	0.078	0.009
73	6.08	0.30	0.097	(0.508)	0.087	0.010
74	6.17	0.30	0.097	(0.505)	0.087	0.010
75	6.25	0.30	0.097	(0.503)	0.087	0.010
76	6.33	0.30	0.097	(0.501)	0.087	0.010
77	6.42	0.30	0.097	(0.499)	0.087	0.010
78	6.50	0.30	0.097	(0.496)	0.087	0.010
79	6.58	0.33	0.108	(0.494)	0.097	0.011
80	6.67	0.33	0.108	(0.492)	0.097	0.011
81	6.75	0.33	0.108	(0.490)	0.097	0.011
82	6.83	0.33	0.108	(0.487)	0.097	0.011
83	6.92	0.33	0.108	(0.485)	0.097	0.011
84	7.00	0.33	0.108	(0.483)	0.097	0.011
85	7.08	0.33	0.108	(0.481)	0.097	0.011
86	7.17	0.33	0.108	(0.479)	0.097	0.011
87	7.25	0.33	0.108	(0.476)	0.097	0.011
88	7.33	0.37	0.119	(0.474)	0.107	0.012
89	7.42	0.37	0.119	(0.472)	0.107	0.012
90	7.50	0.37	0.119	(0.470)	0.107	0.012
91	7.58	0.40	0.130	(0.468)	0.117	0.013
92	7.67	0.40	0.130	(0.466)	0.117	0.013
93	7.75	0.40	0.130	(0.463)	0.117	0.013
94	7.83	0.43	0.140	(0.461)	0.126	0.014
95	7.92	0.43	0.140	(0.459)	0.126	0.014
96	8.00	0.43	0.140	(0.457)	0.126	0.014
97	8.08	0.50	0.162	(0.455)	0.146	0.016
98	8.17	0.50	0.162	(0.453)	0.146	0.016
99	8.25	0.50	0.162	(0.451)	0.146	0.016
100	8.33	0.50	0.162	(0.449)	0.146	0.016

101	8.42	0.50	0.162	(0.446)	0.146	0.016
102	8.50	0.50	0.162	(0.444)	0.146	0.016
103	8.58	0.53	0.173	(0.442)	0.156	0.017
104	8.67	0.53	0.173	(0.440)	0.156	0.017
105	8.75	0.53	0.173	(0.438)	0.156	0.017
106	8.83	0.57	0.184	(0.436)	0.165	0.018
107	8.92	0.57	0.184	(0.434)	0.165	0.018
108	9.00	0.57	0.184	(0.432)	0.165	0.018
109	9.08	0.63	0.205	(0.430)	0.185	0.021
110	9.17	0.63	0.205	(0.428)	0.185	0.021
111	9.25	0.63	0.205	(0.426)	0.185	0.021
112	9.33	0.67	0.216	(0.424)	0.194	0.022
113	9.42	0.67	0.216	(0.422)	0.194	0.022
114	9.50	0.67	0.216	(0.420)	0.194	0.022
115	9.58	0.70	0.227	(0.418)	0.204	0.023
116	9.67	0.70	0.227	(0.416)	0.204	0.023
117	9.75	0.70	0.227	(0.414)	0.204	0.023
118	9.83	0.73	0.238	(0.412)	0.214	0.024
119	9.92	0.73	0.238	(0.410)	0.214	0.024
120	10.00	0.73	0.238	(0.408)	0.214	0.024
121	10.08	0.50	0.162	(0.406)	0.146	0.016
122	10.17	0.50	0.162	(0.404)	0.146	0.016
123	10.25	0.50	0.162	(0.402)	0.146	0.016
124	10.33	0.50	0.162	(0.400)	0.146	0.016
125	10.42	0.50	0.162	(0.398)	0.146	0.016
126	10.50	0.50	0.162	(0.396)	0.146	0.016
127	10.58	0.67	0.216	(0.394)	0.194	0.022
128	10.67	0.67	0.216	(0.392)	0.194	0.022
129	10.75	0.67	0.216	(0.390)	0.194	0.022
130	10.83	0.67	0.216	(0.388)	0.194	0.022
131	10.92	0.67	0.216	(0.386)	0.194	0.022
132	11.00	0.67	0.216	(0.385)	0.194	0.022
133	11.08	0.63	0.205	(0.383)	0.185	0.021
134	11.17	0.63	0.205	(0.381)	0.185	0.021
135	11.25	0.63	0.205	(0.379)	0.185	0.021
136	11.33	0.63	0.205	(0.377)	0.185	0.021
137	11.42	0.63	0.205	(0.375)	0.185	0.021
138	11.50	0.63	0.205	(0.373)	0.185	0.021
139	11.58	0.57	0.184	(0.371)	0.165	0.018
140	11.67	0.57	0.184	(0.370)	0.165	0.018
141	11.75	0.57	0.184	(0.368)	0.165	0.018
142	11.83	0.60	0.194	(0.366)	0.175	0.019
143	11.92	0.60	0.194	(0.364)	0.175	0.019
144	12.00	0.60	0.194	(0.362)	0.175	0.019
145	12.08	0.83	0.270	(0.361)	0.243	0.027
146	12.17	0.83	0.270	(0.359)	0.243	0.027
147	12.25	0.83	0.270	(0.357)	0.243	0.027
148	12.33	0.87	0.281	(0.355)	0.253	0.028
149	12.42	0.87	0.281	(0.353)	0.253	0.028
150	12.50	0.87	0.281	(0.352)	0.253	0.028
151	12.58	0.93	0.302	(0.350)	0.272	0.030
152	12.67	0.93	0.302	(0.348)	0.272	0.030
153	12.75	0.93	0.302	(0.346)	0.272	0.030
154	12.83	0.97	0.313	(0.345)	0.282	0.031
155	12.92	0.97	0.313	(0.343)	0.282	0.031
156	13.00	0.97	0.313	(0.341)	0.282	0.031
157	13.08	1.13	0.367	(0.339)	0.330	0.037
158	13.17	1.13	0.367	(0.338)	0.330	0.037
159	13.25	1.13	0.367	(0.336)	0.330	0.037
160	13.33	1.13	0.367	(0.334)	0.330	0.037
161	13.42	1.13	0.367	(0.332)	0.330	0.037
162	13.50	1.13	0.367	(0.331)	0.330	0.037
163	13.58	0.77	0.248	(0.329)	0.224	0.025
164	13.67	0.77	0.248	(0.327)	0.224	0.025
165	13.75	0.77	0.248	(0.326)	0.224	0.025
166	13.83	0.77	0.248	(0.324)	0.224	0.025
167	13.92	0.77	0.248	(0.322)	0.224	0.025

168	14.00	0.77	0.248	(0.321)	0.224	0.025
169	14.08	0.90	0.292	(0.319)	0.262	0.029
170	14.17	0.90	0.292	(0.318)	0.262	0.029
171	14.25	0.90	0.292	(0.316)	0.262	0.029
172	14.33	0.87	0.281	(0.314)	0.253	0.028
173	14.42	0.87	0.281	(0.313)	0.253	0.028
174	14.50	0.87	0.281	(0.311)	0.253	0.028
175	14.58	0.87	0.281	(0.309)	0.253	0.028
176	14.67	0.87	0.281	(0.308)	0.253	0.028
177	14.75	0.87	0.281	(0.306)	0.253	0.028
178	14.83	0.83	0.270	(0.305)	0.243	0.027
179	14.92	0.83	0.270	(0.303)	0.243	0.027
180	15.00	0.83	0.270	(0.302)	0.243	0.027
181	15.08	0.80	0.259	(0.300)	0.233	0.026
182	15.17	0.80	0.259	(0.299)	0.233	0.026
183	15.25	0.80	0.259	(0.297)	0.233	0.026
184	15.33	0.77	0.248	(0.295)	0.224	0.025
185	15.42	0.77	0.248	(0.294)	0.224	0.025
186	15.50	0.77	0.248	(0.292)	0.224	0.025
187	15.58	0.63	0.205	(0.291)	0.185	0.021
188	15.67	0.63	0.205	(0.289)	0.185	0.021
189	15.75	0.63	0.205	(0.288)	0.185	0.021
190	15.83	0.63	0.205	(0.287)	0.185	0.021
191	15.92	0.63	0.205	(0.285)	0.185	0.021
192	16.00	0.63	0.205	(0.284)	0.185	0.021
193	16.08	0.13	0.043	(0.282)	0.039	0.004
194	16.17	0.13	0.043	(0.281)	0.039	0.004
195	16.25	0.13	0.043	(0.279)	0.039	0.004
196	16.33	0.13	0.043	(0.278)	0.039	0.004
197	16.42	0.13	0.043	(0.276)	0.039	0.004
198	16.50	0.13	0.043	(0.275)	0.039	0.004
199	16.58	0.10	0.032	(0.274)	0.029	0.003
200	16.67	0.10	0.032	(0.272)	0.029	0.003
201	16.75	0.10	0.032	(0.271)	0.029	0.003
202	16.83	0.10	0.032	(0.269)	0.029	0.003
203	16.92	0.10	0.032	(0.268)	0.029	0.003
204	17.00	0.10	0.032	(0.267)	0.029	0.003
205	17.08	0.17	0.054	(0.265)	0.049	0.005
206	17.17	0.17	0.054	(0.264)	0.049	0.005
207	17.25	0.17	0.054	(0.263)	0.049	0.005
208	17.33	0.17	0.054	(0.261)	0.049	0.005
209	17.42	0.17	0.054	(0.260)	0.049	0.005
210	17.50	0.17	0.054	(0.259)	0.049	0.005
211	17.58	0.17	0.054	(0.258)	0.049	0.005
212	17.67	0.17	0.054	(0.256)	0.049	0.005
213	17.75	0.17	0.054	(0.255)	0.049	0.005
214	17.83	0.13	0.043	(0.254)	0.039	0.004
215	17.92	0.13	0.043	(0.252)	0.039	0.004
216	18.00	0.13	0.043	(0.251)	0.039	0.004
217	18.08	0.13	0.043	(0.250)	0.039	0.004
218	18.17	0.13	0.043	(0.249)	0.039	0.004
219	18.25	0.13	0.043	(0.248)	0.039	0.004
220	18.33	0.13	0.043	(0.246)	0.039	0.004
221	18.42	0.13	0.043	(0.245)	0.039	0.004
222	18.50	0.13	0.043	(0.244)	0.039	0.004
223	18.58	0.10	0.032	(0.243)	0.029	0.003
224	18.67	0.10	0.032	(0.242)	0.029	0.003
225	18.75	0.10	0.032	(0.240)	0.029	0.003
226	18.83	0.07	0.022	(0.239)	0.019	0.002
227	18.92	0.07	0.022	(0.238)	0.019	0.002
228	19.00	0.07	0.022	(0.237)	0.019	0.002
229	19.08	0.10	0.032	(0.236)	0.029	0.003
230	19.17	0.10	0.032	(0.235)	0.029	0.003
231	19.25	0.10	0.032	(0.234)	0.029	0.003
232	19.33	0.13	0.043	(0.233)	0.039	0.004
233	19.42	0.13	0.043	(0.231)	0.039	0.004
234	19.50	0.13	0.043	(0.230)	0.039	0.004

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235  19.58     0.10      0.032       (  0.229)       0.029        0.003
236  19.67     0.10      0.032       (  0.228)       0.029        0.003
237  19.75     0.10      0.032       (  0.227)       0.029        0.003
238  19.83     0.07      0.022       (  0.226)       0.019        0.002
239  19.92     0.07      0.022       (  0.225)       0.019        0.002
240  20.00     0.07      0.022       (  0.224)       0.019        0.002
241  20.08     0.10      0.032       (  0.223)       0.029        0.003
242  20.17     0.10      0.032       (  0.222)       0.029        0.003
243  20.25     0.10      0.032       (  0.221)       0.029        0.003
244  20.33     0.10      0.032       (  0.220)       0.029        0.003
245  20.42     0.10      0.032       (  0.219)       0.029        0.003
246  20.50     0.10      0.032       (  0.218)       0.029        0.003
247  20.58     0.10      0.032       (  0.218)       0.029        0.003
248  20.67     0.10      0.032       (  0.217)       0.029        0.003
249  20.75     0.10      0.032       (  0.216)       0.029        0.003
250  20.83     0.07      0.022       (  0.215)       0.019        0.002
251  20.92     0.07      0.022       (  0.214)       0.019        0.002
252  21.00     0.07      0.022       (  0.213)       0.019        0.002
253  21.08     0.10      0.032       (  0.212)       0.029        0.003
254  21.17     0.10      0.032       (  0.211)       0.029        0.003
255  21.25     0.10      0.032       (  0.211)       0.029        0.003
256  21.33     0.07      0.022       (  0.210)       0.019        0.002
257  21.42     0.07      0.022       (  0.209)       0.019        0.002
258  21.50     0.07      0.022       (  0.208)       0.019        0.002
259  21.58     0.10      0.032       (  0.208)       0.029        0.003
260  21.67     0.10      0.032       (  0.207)       0.029        0.003
261  21.75     0.10      0.032       (  0.206)       0.029        0.003
262  21.83     0.07      0.022       (  0.205)       0.019        0.002
263  21.92     0.07      0.022       (  0.205)       0.019        0.002
264  22.00     0.07      0.022       (  0.204)       0.019        0.002
265  22.08     0.10      0.032       (  0.203)       0.029        0.003
266  22.17     0.10      0.032       (  0.203)       0.029        0.003
267  22.25     0.10      0.032       (  0.202)       0.029        0.003
268  22.33     0.07      0.022       (  0.201)       0.019        0.002
269  22.42     0.07      0.022       (  0.201)       0.019        0.002
270  22.50     0.07      0.022       (  0.200)       0.019        0.002
271  22.58     0.07      0.022       (  0.200)       0.019        0.002
272  22.67     0.07      0.022       (  0.199)       0.019        0.002
273  22.75     0.07      0.022       (  0.198)       0.019        0.002
274  22.83     0.07      0.022       (  0.198)       0.019        0.002
275  22.92     0.07      0.022       (  0.197)       0.019        0.002
276  23.00     0.07      0.022       (  0.197)       0.019        0.002
277  23.08     0.07      0.022       (  0.196)       0.019        0.002
278  23.17     0.07      0.022       (  0.196)       0.019        0.002
279  23.25     0.07      0.022       (  0.196)       0.019        0.002
280  23.33     0.07      0.022       (  0.195)       0.019        0.002
281  23.42     0.07      0.022       (  0.195)       0.019        0.002
282  23.50     0.07      0.022       (  0.194)       0.019        0.002
283  23.58     0.07      0.022       (  0.194)       0.019        0.002
284  23.67     0.07      0.022       (  0.194)       0.019        0.002
285  23.75     0.07      0.022       (  0.194)       0.019        0.002
286  23.83     0.07      0.022       (  0.193)       0.019        0.002
287  23.92     0.07      0.022       (  0.193)       0.019        0.002
288  24.00     0.07      0.022       (  0.193)       0.019        0.002
            (Loss Rate Not Used)
    Sum =     100.0                                  Sum =     3.2
     Flood volume = Effective rainfall      0.27(In)
      times area      53.7(Ac.)/[(In)/(Ft.)] =       1.2(Ac.Ft)
     Total soil loss =      2.43(In)
     Total soil loss =    10.873(Ac.Ft)
     Total rainfall =      2.70(In)
     Flood volume =       52625.8 Cubic Feet
     Total soil loss =      473632.6 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =      1.974(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.02	Q				
0+10	0.0006	0.07	Q				
0+15	0.0013	0.09	Q				
0+20	0.0020	0.11	Q				
0+25	0.0030	0.14	Q				
0+30	0.0041	0.16	Q				
0+35	0.0053	0.16	Q				
0+40	0.0064	0.17	Q				
0+45	0.0076	0.17	Q				
0+50	0.0089	0.18	Q				
0+55	0.0103	0.21	Q				
1+ 0	0.0118	0.22	Q				
1+ 5	0.0133	0.22	Q				
1+10	0.0147	0.19	Q				
1+15	0.0159	0.18	Q				
1+20	0.0172	0.18	Q				
1+25	0.0184	0.18	Q				
1+30	0.0196	0.18	Q				
1+35	0.0209	0.18	Q				
1+40	0.0221	0.18	Q				
1+45	0.0233	0.18	Q				
1+50	0.0246	0.18	Q				
1+55	0.0260	0.21	Q				
2+ 0	0.0275	0.22	Q				
2+ 5	0.0291	0.23	Q				
2+10	0.0307	0.23	QV				
2+15	0.0323	0.23	QV				
2+20	0.0339	0.23	QV				
2+25	0.0355	0.23	QV				
2+30	0.0371	0.23	QV				
2+35	0.0388	0.24	QV				
2+40	0.0406	0.27	|Q				
2+45	0.0426	0.28	|Q				
2+50	0.0445	0.29	|Q				
2+55	0.0465	0.29	|Q				
3+ 0	0.0485	0.29	|Q				
3+ 5	0.0505	0.29	|Q				
3+10	0.0525	0.29	|Q				
3+15	0.0545	0.29	|Q				
3+20	0.0565	0.29	|Q				
3+25	0.0585	0.29	|Q				
3+30	0.0606	0.29	|QV				
3+35	0.0626	0.29	|QV				
3+40	0.0646	0.29	|QV				
3+45	0.0666	0.29	|QV				
3+50	0.0687	0.30	|QV				
3+55	0.0709	0.33	|QV				
4+ 0	0.0733	0.34	|QV				
4+ 5	0.0756	0.34	|QV				
4+10	0.0780	0.35	|QV				
4+15	0.0804	0.35	|QV				
4+20	0.0829	0.36	|QV				
4+25	0.0856	0.39	|QV				
4+30	0.0883	0.40	|QV				
4+35	0.0911	0.40	|Q V				
4+40	0.0938	0.40	|Q V				
4+45	0.0966	0.41	|Q V				
4+50	0.0995	0.42	|Q V				
4+55	0.1026	0.44	|Q V				

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 5+ 0       0.1057      0.46  |Q V      |          |          |          |
 5+ 5       0.1088      0.44  |Q V      |          |          |          |
 5+10       0.1115      0.39  |Q V      |          |          |          |
 5+15       0.1140      0.37  |Q V      |          |          |          |
 5+20       0.1166      0.37  |Q V      |          |          |          |
 5+25       0.1193      0.40  |Q V      |          |          |          |
 5+30       0.1221      0.40  |Q  V     |          |          |          |
 5+35       0.1249      0.41  |Q  V     |          |          |          |
 5+40       0.1280      0.44  |Q  V     |          |          |          |
 5+45       0.1311      0.45  |Q  V     |          |          |          |
 5+50       0.1343      0.46  |Q  V     |          |          |          |
 5+55       0.1375      0.46  |Q  V     |          |          |          |
 6+ 0       0.1407      0.46  |Q  V     |          |          |          |
 6+ 5       0.1439      0.48  |Q  V     |          |          |          |
 6+10       0.1474      0.50  | Q V     |          |          |          |
 6+15       0.1509      0.51  | Q V     |          |          |          |
 6+20       0.1545      0.52  | Q  V    |          |          |          |
 6+25       0.1581      0.52  | Q  V    |          |          |          |
 6+30       0.1617      0.52  | Q  V    |          |          |          |
 6+35       0.1654      0.53  | Q  V    |          |          |          |
 6+40       0.1692      0.56  | Q  V    |          |          |          |
 6+45       0.1732      0.57  | Q  V    |          |          |          |
 6+50       0.1772      0.58  | Q  V    |          |          |          |
 6+55       0.1812      0.58  | Q  V    |          |          |          |
 7+ 0       0.1852      0.58  | Q   V   |          |          |          |
 7+ 5       0.1892      0.58  | Q   V   |          |          |          |
 7+10       0.1932      0.58  | Q   V   |          |          |          |
 7+15       0.1972      0.58  | Q   V   |          |          |          |
 7+20       0.2013      0.59  | Q   V   |          |          |          |
 7+25       0.2056      0.62  | Q   V   |          |          |          |
 7+30       0.2099      0.63  | Q   V   |          |          |          |
 7+35       0.2144      0.65  | Q    V  |          |          |          |
 7+40       0.2190      0.67  | Q    V  |          |          |          |
 7+45       0.2238      0.69  | Q    V  |          |          |          |
 7+50       0.2286      0.70  | Q    V  |          |          |          |
 7+55       0.2336      0.73  | Q    V  |          |          |          |
 8+ 0       0.2388      0.75  | Q    V  |          |          |          |
 8+ 5       0.2441      0.77  |  Q    V |          |          |          |
 8+10       0.2498      0.83  |  Q    V |          |          |          |
 8+15       0.2556      0.85  |  Q    V |          |          |          |
 8+20       0.2616      0.86  |  Q    V |          |          |          |
 8+25       0.2675      0.87  |  Q    V |          |          |          |
 8+30       0.2735      0.87  |  Q     V|          |          |          |
 8+35       0.2796      0.88  |  Q     V|          |          |          |
 8+40       0.2859      0.91  |  Q     V|          |          |          |
 8+45       0.2923      0.92  |  Q     V|          |          |          |
 8+50       0.2987      0.94  |  Q     V|          |          |          |
 8+55       0.3054      0.97  |  Q      V          |          |          |
 9+ 0       0.3121      0.98  |  Q      V          |          |          |
 9+ 5       0.3190      1.00  |   Q     V          |          |          |
 9+10       0.3263      1.06  |   Q     V          |          |          |
 9+15       0.3338      1.08  |   Q     |V         |          |          |
 9+20       0.3414      1.10  |   Q     |V         |          |          |
 9+25       0.3492      1.14  |   Q     |V         |          |          |
 9+30       0.3572      1.15  |   Q     |V         |          |          |
 9+35       0.3652      1.17  |   Q     | V        |          |          |
 9+40       0.3735      1.20  |   Q     | V        |          |          |
 9+45       0.3818      1.21  |   Q     | V        |          |          |
 9+50       0.3903      1.23  |   Q     | V        |          |          |
 9+55       0.3990      1.26  |    Q    |  V       |          |          |
10+ 0       0.4077      1.27  |    Q    |  V       |          |          |
10+ 5       0.4161      1.21  |   Q     |  V       |          |          |
10+10       0.4232      1.03  |   Q     |   V      |          |          |
10+15       0.4297      0.96  |  Q      |   V      |          |          |
10+20       0.4361      0.93  |  Q      |   V      |          |          |
10+25       0.4424      0.91  |  Q      |   V      |          |          |
10+30       0.4485      0.90  |  Q      |   V      |          |          |
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10+35       0.4550      0.93  |  Q      |    V    |         |         |
10+40       0.4623      1.06  |   Q     |    V    |         |         |
10+45       0.4700      1.11  |   Q     |    V    |         |         |
10+50       0.4778      1.13  |   Q     |    V    |         |         |
10+55       0.4857      1.15  |   Q     |     V   |         |         |
11+ 0       0.4936      1.16  |   Q     |     V   |         |         |
11+ 5       0.5016      1.15  |   Q     |     V   |         |         |
11+10       0.5093      1.13  |   Q     |     V   |         |         |
11+15       0.5171      1.12  |   Q     |      V  |         |         |
11+20       0.5248      1.12  |   Q     |      V  |         |         |
11+25       0.5324      1.12  |   Q     |      V  |         |         |
11+30       0.5401      1.11  |   Q     |      V  |         |         |
11+35       0.5477      1.09  |   Q     |       V |         |         |
11+40       0.5548      1.04  |   Q     |       V |         |         |
11+45       0.5618      1.02  |   Q     |       V |         |         |
11+50       0.5688      1.02  |   Q     |       V |         |         |
11+55       0.5760      1.04  |   Q     |        V|         |         |
12+ 0       0.5832      1.05  |   Q     |        V|         |         |
12+ 5       0.5908      1.11  |   Q     |        V|         |         |
12+10       0.5998      1.30  |    Q    |        V|         |         |
12+15       0.6093      1.38  |    Q    |         V         |         |
12+20       0.6191      1.42  |    Q    |         V         |         |
12+25       0.6292      1.47  |    Q    |         V         |         |
12+30       0.6394      1.49  |    Q    |         |V        |         |
12+35       0.6499      1.52  |     Q   |         |V        |         |
12+40       0.6608      1.58  |     Q   |         |V        |         |
12+45       0.6719      1.61  |     Q   |         | V       |         |
12+50       0.6831      1.63  |     Q   |         | V       |         |
12+55       0.6946      1.66  |     Q   |         | V       |         |
13+ 0       0.7061      1.68  |     Q   |         |  V      |         |
13+ 5       0.7180      1.73  |     Q   |         |  V      |         |
13+10       0.7309      1.87  |      Q  |         |   V     |         |
13+15       0.7442      1.93  |      Q  |         |   V     |         |
13+20       0.7576      1.95  |      Q  |         |    V    |         |
13+25       0.7711      1.96  |      Q  |         |    V    |         |
13+30       0.7847      1.97  |      Q  |         |    V    |         |
13+35       0.7977      1.88  |      Q  |         |     V   |         |
13+40       0.8086      1.59  |     Q   |         |     V   |         |
13+45       0.8187      1.47  |    Q    |         |      V  |         |
13+50       0.8286      1.42  |    Q    |         |      V  |         |
13+55       0.8382      1.39  |    Q    |         |      V  |         |
14+ 0       0.8476      1.38  |    Q    |         |       V |         |
14+ 5       0.8573      1.40  |    Q    |         |       V |         |
14+10       0.8676      1.50  |    Q    |         |       V |         |
14+15       0.8782      1.54  |     Q   |         |        V|         |
14+20       0.8888      1.54  |     Q   |         |        V|         |
14+25       0.8993      1.52  |     Q   |         |        V|         |
14+30       0.9098      1.52  |     Q   |         |         V         |
14+35       0.9202      1.52  |     Q   |         |         V         |
14+40       0.9307      1.52  |     Q   |         |         V         |
14+45       0.9412      1.52  |     Q   |         |         |V        |
14+50       0.9516      1.51  |     Q   |         |         |V        |
14+55       0.9618      1.48  |    Q    |         |         |V        |
15+ 0       0.9720      1.47  |    Q    |         |         | V       |
15+ 5       0.9820      1.46  |    Q    |         |         | V       |
15+10       0.9919      1.43  |    Q    |         |         | V       |
15+15       1.0017      1.42  |    Q    |         |         |  V      |
15+20       1.0113      1.40  |    Q    |         |         |  V      |
15+25       1.0208      1.37  |    Q    |         |         |  V      |
15+30       1.0301      1.36  |    Q    |         |         |   V     |
15+35       1.0392      1.32  |    Q    |         |         |   V     |
15+40       1.0475      1.21  |   Q     |         |         |   V     |
15+45       1.0555      1.16  |   Q     |         |         |   V     |
15+50       1.0634      1.14  |   Q     |         |         |    V    |
15+55       1.0711      1.13  |   Q     |         |         |    V    |
16+ 0       1.0789      1.12  |   Q     |         |         |    V    |
16+ 5       1.0856      0.98  |  Q      |         |         |    V    |
```

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16+10       1.0896      0.57  | Q       |         |         |     V   |
16+15       1.0924      0.41  |Q        |         |         |     V   |
16+20       1.0948      0.34  |Q        |         |         |     V   |
16+25       1.0968      0.30  |Q        |         |         |     V   |
16+30       1.0987      0.28  |Q        |         |         |     V   |
16+35       1.1005      0.25  Q         |         |         |     V   |
16+40       1.1019      0.21  Q         |         |         |     V   |
16+45       1.1032      0.19  Q         |         |         |     V   |
16+50       1.1045      0.18  Q         |         |         |     V   |
16+55       1.1057      0.18  Q         |         |         |     V   |
17+ 0       1.1070      0.18  Q         |         |         |     V   |
17+ 5       1.1083      0.20  Q         |         |         |     V   |
17+10       1.1100      0.25  Q         |         |         |     V   |
17+15       1.1119      0.27  |Q        |         |         |     V   |
17+20       1.1138      0.28  |Q        |         |         |     V   |
17+25       1.1157      0.28  |Q        |         |         |     V   |
17+30       1.1177      0.29  |Q        |         |         |      V  |
17+35       1.1197      0.29  |Q        |         |         |      V  |
17+40       1.1217      0.29  |Q        |         |         |      V  |
17+45       1.1237      0.29  |Q        |         |         |      V  |
17+50       1.1257      0.28  |Q        |         |         |      V  |
17+55       1.1274      0.26  |Q        |         |         |      V  |
18+ 0       1.1291      0.25  Q         |         |         |      V  |
18+ 5       1.1308      0.24  Q         |         |         |      V  |
18+10       1.1324      0.24  Q         |         |         |      V  |
18+15       1.1340      0.24  Q         |         |         |      V  |
18+20       1.1357      0.24  Q         |         |         |      V  |
18+25       1.1373      0.23  Q         |         |         |      V  |
18+30       1.1389      0.23  Q         |         |         |      V  |
18+35       1.1404      0.22  Q         |         |         |      V  |
18+40       1.1418      0.20  Q         |         |         |      V  |
18+45       1.1431      0.19  Q         |         |         |      V  |
18+50       1.1443      0.17  Q         |         |         |      V  |
18+55       1.1453      0.14  Q         |         |         |      V  |
19+ 0       1.1462      0.13  Q         |         |         |      V  |
19+ 5       1.1471      0.13  Q         |         |         |      V  |
19+10       1.1482      0.16  Q         |         |         |       V |
19+15       1.1494      0.17  Q         |         |         |       V |
19+20       1.1506      0.18  Q         |         |         |       V |
19+25       1.1520      0.21  Q         |         |         |       V |
19+30       1.1535      0.22  Q         |         |         |       V |
19+35       1.1550      0.22  Q         |         |         |       V |
19+40       1.1563      0.19  Q         |         |         |       V |
19+45       1.1576      0.18  Q         |         |         |       V |
19+50       1.1588      0.17  Q         |         |         |       V |
19+55       1.1598      0.14  Q         |         |         |       V |
20+ 0       1.1607      0.13  Q         |         |         |       V |
20+ 5       1.1616      0.13  Q         |         |         |       V |
20+10       1.1627      0.16  Q         |         |         |       V |
20+15       1.1639      0.17  Q         |         |         |       V |
20+20       1.1650      0.17  Q         |         |         |       V |
20+25       1.1662      0.17  Q         |         |         |       V |
20+30       1.1674      0.17  Q         |         |         |       V |
20+35       1.1686      0.17  Q         |         |         |       V |
20+40       1.1698      0.17  Q         |         |         |       V |
20+45       1.1710      0.18  Q         |         |         |       V |
20+50       1.1722      0.17  Q         |         |         |       V |
20+55       1.1731      0.14  Q         |         |         |       V |
21+ 0       1.1740      0.13  Q         |         |         |       V |
21+ 5       1.1749      0.13  Q         |         |         |       V |
21+10       1.1760      0.16  Q         |         |         |       V |
21+15       1.1771      0.17  Q         |         |         |       V |
21+20       1.1783      0.16  Q         |         |         |        V|
21+25       1.1792      0.14  Q         |         |         |        V|
21+30       1.1801      0.13  Q         |         |         |        V|
21+35       1.1810      0.13  Q         |         |         |        V|
21+40       1.1820      0.16  Q         |         |         |        V|
```

21+45	1.1832	0.17	Q	|	|	|	V|
21+50	1.1843	0.16	Q	|	|	|	V|
21+55	1.1852	0.14	Q	|	|	|	V|
22+ 0	1.1861	0.13	Q	|	|	|	V|
22+ 5	1.1870	0.13	Q	|	|	|	V|
22+10	1.1881	0.16	Q	|	|	|	V|
22+15	1.1892	0.17	Q	|	|	|	V|
22+20	1.1903	0.16	Q	|	|	|	V|
22+25	1.1913	0.14	Q	|	|	|	V|
22+30	1.1921	0.13	Q	|	|	|	V|
22+35	1.1930	0.12	Q	|	|	|	V|
22+40	1.1938	0.12	Q	|	|	|	V|
22+45	1.1946	0.12	Q	|	|	|	V|
22+50	1.1955	0.12	Q	|	|	|	V|
22+55	1.1963	0.12	Q	|	|	|	V|
23+ 0	1.1971	0.12	Q	|	|	|	V|
23+ 5	1.1979	0.12	Q	|	|	|	V|
23+10	1.1987	0.12	Q	|	|	|	V|
23+15	1.1995	0.12	Q	|	|	|	V|
23+20	1.2003	0.12	Q	|	|	|	V|
23+25	1.2011	0.12	Q	|	|	|	V|
23+30	1.2019	0.12	Q	|	|	|	V|
23+35	1.2027	0.12	Q	|	|	|	V|
23+40	1.2035	0.12	Q	|	|	|	V|
23+45	1.2043	0.12	Q	|	|	|	V|
23+50	1.2051	0.12	Q	|	|	|	V|
23+55	1.2059	0.12	Q	|	|	|	V|
24+ 0	1.2067	0.12	Q	|	|	|	V|
24+ 5	1.2074	0.10	Q	|	|	|	V|
24+10	1.2077	0.04	Q	|	|	|	V|
24+15	1.2079	0.02	Q	|	|	|	V|
24+20	1.2080	0.01	Q	|	|	|	V|
24+25	1.2080	0.01	Q	|	|	|	V|
24+30	1.2081	0.01	Q	|	|	|	V|
24+35	1.2081	0.00	Q	|	|	|	V|
24+40	1.2081	0.00	Q	|	|	|	V|
24+45	1.2081	0.00	Q	|	|	|	V

U n i t H y d r o g r a p h A n a l y s i s

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Study date 01/02/22 File: RVEXA110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- EXISTING UNIT HYDROGRAPH
10YR-1HR STORM

Drainage Area = 53.70(Ac.) = 0.084 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 53.70(Ac.) = 0.084 Sq. Mi.
Length along longest watercourse = 2145.30(Ft.)
Length along longest watercourse measured to centroid = 1004.00(Ft.)
Length along longest watercourse = 0.406 Mi.
Length along longest watercourse measured to centroid = 0.190 Mi.
Difference in elevation = 460.00(Ft.)
Slope along watercourse = 1132.1493 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.095 Hr.
Lag time = 5.72 Min.
25% of lag time = 1.43 Min.
40% of lag time = 2.29 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	0.55	29.54

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	1.30	69.81

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 0.859(In)
Areal adjustment factor = 99.95 %
Adjusted average point rain = 0.858(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
53.700	83.40	0.000

Total Area Entered = 53.70(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      83.4  83.4      0.205     0.000        0.205       1.000      0.205
                                                         Sum (F) =   0.205
      Area averaged mean soil loss (F) (In/Hr) =  0.386
      Minimum soil loss rate ((In/Hr)) =  0.193
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.900
      ------------------------------------------------------------------
      Slope of intensity-duration curve for a 1 hour storm =0.5500
      ------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------
              1   0.083         87.371        15.405             8.337
              2   0.167        174.742        46.530            25.182
              3   0.250        262.113        18.006             9.745
              4   0.333        349.484         7.793             4.217
              5   0.417        436.854         4.572             2.474
              6   0.500        524.225         2.881             1.559
              7   0.583        611.596         2.017             1.091
              8   0.667        698.967         1.315             0.712
              9   0.750        786.338         0.907             0.491
             10   0.833        873.709         0.573             0.310
                                      Sum = 100.000   Sum=      54.120
-----------------------------------------------------------------------


 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
   1   0.08     3.30      0.340       (  0.386)       0.306        0.034
   2   0.17     4.20      0.433          0.386    (  0.389)        0.046
   3   0.25     4.40      0.453          0.386    (  0.408)        0.067
   4   0.33     4.80      0.494          0.386    (  0.445)        0.108
   5   0.42     5.20      0.535          0.386    (  0.482)        0.149
   6   0.50     6.20      0.638          0.386    (  0.575)        0.252
   7   0.58     6.80      0.700          0.386    (  0.630)        0.314
   8   0.67     8.80      0.906          0.386    (  0.816)        0.520
   9   0.75    13.90      1.431          0.386    (  1.288)        1.045
  10   0.83    31.40      3.233          0.386    (  2.910)        2.847
  11   0.92     7.20      0.741          0.386    (  0.667)        0.355
  12   1.00     3.80      0.391       (  0.386)       0.352        0.039
            (Loss Rate Not Used)
     Sum =     100.0                                    Sum =     5.8
       Flood volume = Effective rainfall      0.48(In)
        times area      53.7(Ac.)/[(In)/(Ft.)] =       2.2(Ac.Ft)
       Total soil loss =      0.38(In)
       Total soil loss =     1.686(Ac.Ft)
       Total rainfall =      0.86(In)
       Flood volume =       93854.7 Cubic Feet
       Total soil loss =       73423.0 Cubic Feet
       ------------------------------------------------------------------

        Peak flow rate of this hydrograph =     88.543(CFS)
       ------------------------------------------------------------------
       ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         1 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
       ------------------------------------------------------------------
```

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	22.5	45.0	67.5	90.0
0+ 5	0.0020	0.28	Q				
0+10	0.0105	1.24	Q				
0+15	0.0247	2.06	Q				
0+20	0.0466	3.18	VQ				
0+25	0.0803	4.90	|VQ				
0+30	0.1311	7.37	| VQ				
0+35	0.2080	11.16	| VQ				
0+40	0.3167	15.79	| V Q				
0+45	0.4999	26.61	| V|Q				
0+50	0.8962	57.54	| | V | Q			
0+55	1.5060	88.54	| | | V | Q|
1+ 0	1.8068	43.68	| | Q| | V	
1+ 5	1.9479	20.49	| Q| | | V	
1+10	2.0273	11.52	| Q | | | V	
1+15	2.0771	7.23	| Q | | | V |
1+20	2.1105	4.86	| Q | | | V|
1+25	2.1322	3.15	|Q | | | V|
1+30	2.1461	2.02	Q | | | V|
1+35	2.1536	1.09	Q | | | V|
1+40	2.1545	0.13	Q | | | V|
1+45	2.1546	0.01	Q | | | V

U n i t H y d r o g r a p h A n a l y s i s

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Study date 01/02/22 File: RVEXA310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- EXISTING UNIT HYDROGRAPH
10YR-3HR STORM

Drainage Area = 53.70(Ac.) = 0.084 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 53.70(Ac.) = 0.084 Sq. Mi.
Length along longest watercourse = 2145.30(Ft.)
Length along longest watercourse measured to centroid = 1004.00(Ft.)
Length along longest watercourse = 0.406 Mi.
Length along longest watercourse measured to centroid = 0.190 Mi.
Difference in elevation = 460.00(Ft.)
Slope along watercourse = 1132.1493 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.095 Hr.
Lag time = 5.72 Min.
25% of lag time = 1.43 Min.
40% of lag time = 2.29 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	1.10	59.07

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	2.00	107.40

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 1.470(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 1.470(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
53.700	83.40	0.000

Total Area Entered = 53.70(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
83.4	83.4	0.205	0.000	0.205	1.000	0.205
					Sum (F) =	0.205

Area averaged mean soil loss (F) (In/Hr) = 0.386
Minimum soil loss rate ((In/Hr)) = 0.193
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	87.371	15.405	8.337
2	0.167	174.742	46.530	25.182
3	0.250	262.113	18.006	9.745
4	0.333	349.484	7.793	4.217
5	0.417	436.854	4.572	2.474
6	0.500	524.225	2.881	1.559
7	0.583	611.596	2.017	1.091
8	0.667	698.967	1.315	0.712
9	0.750	786.338	0.907	0.491
10	0.833	873.709	0.573	0.310
			Sum = 100.000 Sum=	54.120

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	1.30	0.229	(0.386)		0.206	0.023
2	0.17	1.30	0.229	(0.386)		0.206	0.023
3	0.25	1.10	0.194	(0.386)		0.175	0.019
4	0.33	1.50	0.265	(0.386)		0.238	0.026
5	0.42	1.50	0.265	(0.386)		0.238	0.026
6	0.50	1.80	0.318	(0.386)		0.286	0.032
7	0.58	1.50	0.265	(0.386)		0.238	0.026
8	0.67	1.80	0.318	(0.386)		0.286	0.032
9	0.75	1.80	0.318	(0.386)		0.286	0.032
10	0.83	1.50	0.265	(0.386)		0.238	0.026
11	0.92	1.60	0.282	(0.386)		0.254	0.028
12	1.00	1.80	0.318	(0.386)		0.286	0.032
13	1.08	2.20	0.388	(0.386)		0.349	0.039
14	1.17	2.20	0.388	(0.386)		0.349	0.039
15	1.25	2.20	0.388	(0.386)		0.349	0.039
16	1.33	2.00	0.353	(0.386)		0.318	0.035
17	1.42	2.60	0.459	0.386	(	0.413)	0.072
18	1.50	2.70	0.476	0.386	(	0.429)	0.090
19	1.58	2.40	0.423	(0.386)		0.381	0.042
20	1.67	2.70	0.476	0.386	(	0.429)	0.090
21	1.75	3.30	0.582	0.386	(	0.524)	0.196
22	1.83	3.10	0.547	0.386	(	0.492)	0.161
23	1.92	2.90	0.512	0.386	(	0.460)	0.125
24	2.00	3.00	0.529	0.386	(	0.476)	0.143
25	2.08	3.10	0.547	0.386	(	0.492)	0.161
26	2.17	4.20	0.741	0.386	(	0.667)	0.355
27	2.25	5.00	0.882	0.386	(	0.794)	0.496
28	2.33	3.50	0.617	0.386	(	0.556)	0.231
29	2.42	6.80	1.199	0.386	(	1.080)	0.813
30	2.50	7.30	1.288	0.386	(	1.159)	0.901

```
31   2.58     8.20      1.446          0.386    (  1.302)        1.060
32   2.67     5.90      1.041          0.386    (  0.937)        0.655
33   2.75     2.00      0.353       (  0.386)       0.318        0.035
34   2.83     1.80      0.318       (  0.386)       0.286        0.032
35   2.92     1.80      0.318       (  0.386)       0.286        0.032
36   3.00     0.60      0.106       (  0.386)       0.095        0.011
           (Loss Rate Not Used)
   Sum =     100.0                                    Sum =     6.2
     Flood volume = Effective rainfall      0.51(In)
      times area      53.7(Ac.)/[(In)/(Ft.)] =       2.3(Ac.Ft)
     Total soil loss =      0.96(In)
     Total soil loss =     4.274(Ac.Ft)
     Total rainfall =      1.47(In)
     Flood volume =      100369.2 Cubic Feet
     Total soil loss =      186164.2 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     46.349(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        3 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       12.5      25.0      37.5      50.0
-------------------------------------------------------------------------
  0+ 5       0.0013      0.19  Q         |         |         |         |
  0+10       0.0066      0.77  Q         |         |         |         |
  0+15       0.0132      0.96  Q         |         |         |         |
  0+20       0.0203      1.03  Q         |         |         |         |
  0+25       0.0288      1.23  Q         |         |         |         |
  0+30       0.0382      1.36  VQ        |         |         |         |
  0+35       0.0485      1.50  VQ        |         |         |         |
  0+40       0.0588      1.49  |Q        |         |         |         |
  0+45       0.0699      1.61  |Q        |         |         |         |
  0+50       0.0811      1.62  |Q        |         |         |         |
  0+55       0.0916      1.52  |Q        |         |         |         |
  1+ 0       0.1023      1.56  |Q        |         |         |         |
  1+ 5       0.1141      1.71  |Q        |         |         |         |
  1+10       0.1273      1.92  |QV       |         |         |         |
  1+15       0.1412      2.01  |QV       |         |         |         |
  1+20       0.1550      2.01  |QV       |         |         |         |
  1+25       0.1705      2.26  |QV       |         |         |         |
  1+30       0.1934      3.32  | QV      |         |         |         |
  1+35       0.2190      3.72  | QV      |         |         |         |
  1+40       0.2414      3.24  | Q V     |         |         |         |
  1+45       0.2760      5.03  |   Q     |         |         |         |
  1+50       0.3295      7.77  |    VQ   |         |         |         |
  1+55       0.3829      7.76  |     Q   |         |         |         |
  2+ 0       0.4326      7.21  |    Q V  |         |         |         |
  2+ 5       0.4851      7.62  |     Q V |         |         |         |
  2+10       0.5528      9.83  |      Q V|         |         |         |
  2+15       0.6639     16.13  |         |VQ       |         |         |
  2+20       0.7980     19.48  |         |  V Q    |         |         |
  2+25       0.9353     19.93  |         |    QV   |         |         |
  2+30       1.1685     33.87  |         |         V      Q  |         |
  2+35       1.4621     42.63  |         |         |    V    |   Q     |
  2+40       1.7814     46.35  |         |         |         V      Q  |
  2+45       2.0170     34.22  |         |         |      Q  |    V    |
  2+50       2.1295     16.34  |         |  Q      |         |     V   |
  2+55       2.1957      9.61  |      Q  |         |         |       V |
  3+ 0       2.2401      6.45  |    Q    |         |         |       V |
  3+ 5       2.2683      4.09  |  Q      |         |         |        V|
  3+10       2.2858      2.54  | Q       |         |         |        V|
  3+15       2.2959      1.48  |Q        |         |         |        V|
  3+20       2.3014      0.79  Q         |         |         |        V|
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    3+25       2.3034      0.29  Q         |         |         |        V|
    3+30       2.3038      0.06  Q         |         |         |        V|
    3+35       2.3040      0.03  Q         |         |         |        V|
    3+40       2.3041      0.02  Q         |         |         |        V|
    3+45       2.3042      0.00  Q         |         |         |         V
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 01/02/22 File: RVEXA610.out

++

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- EXISTING UNIT HYDROGRAPH
10YR-6HR STORM

Drainage Area = 53.70(Ac.) = 0.084 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 53.70(Ac.) = 0.084 Sq. Mi.
Length along longest watercourse = 2145.30(Ft.)
Length along longest watercourse measured to centroid = 1004.00(Ft.)
Length along longest watercourse = 0.406 Mi.
Length along longest watercourse measured to centroid = 0.190 Mi.
Difference in elevation = 460.00(Ft.)
Slope along watercourse = 1132.1493 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.095 Hr.
Lag time = 5.72 Min.
25% of lag time = 1.43 Min.
40% of lag time = 2.29 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	1.60	85.92

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	3.00	161.10

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 2.176(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.176(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
53.700	83.40	0.000

Total Area Entered = 53.70(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
83.4	83.4	0.205	0.000	0.205	1.000	0.205
					Sum (F) =	0.205

Area averaged mean soil loss (F) (In/Hr) = 0.386
Minimum soil loss rate ((In/Hr)) = 0.193
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	87.371	15.405	8.337
2	0.167	174.742	46.530	25.182
3	0.250	262.113	18.006	9.745
4	0.333	349.484	7.793	4.217
5	0.417	436.854	4.572	2.474
6	0.500	524.225	2.881	1.559
7	0.583	611.596	2.017	1.091
8	0.667	698.967	1.315	0.712
9	0.750	786.338	0.907	0.491
10	0.833	873.709	0.573	0.310
		Sum = 100.000	Sum=	54.120

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.50	0.131	(0.386)		0.117	0.013
2	0.17	0.60	0.157	(0.386)		0.141	0.016
3	0.25	0.60	0.157	(0.386)		0.141	0.016
4	0.33	0.60	0.157	(0.386)		0.141	0.016
5	0.42	0.60	0.157	(0.386)		0.141	0.016
6	0.50	0.70	0.183	(0.386)		0.164	0.018
7	0.58	0.70	0.183	(0.386)		0.164	0.018
8	0.67	0.70	0.183	(0.386)		0.164	0.018
9	0.75	0.70	0.183	(0.386)		0.164	0.018
10	0.83	0.70	0.183	(0.386)		0.164	0.018
11	0.92	0.70	0.183	(0.386)		0.164	0.018
12	1.00	0.80	0.209	(0.386)		0.188	0.021
13	1.08	0.80	0.209	(0.386)		0.188	0.021
14	1.17	0.80	0.209	(0.386)		0.188	0.021
15	1.25	0.80	0.209	(0.386)		0.188	0.021
16	1.33	0.80	0.209	(0.386)		0.188	0.021
17	1.42	0.80	0.209	(0.386)		0.188	0.021
18	1.50	0.80	0.209	(0.386)		0.188	0.021
19	1.58	0.80	0.209	(0.386)		0.188	0.021
20	1.67	0.80	0.209	(0.386)		0.188	0.021
21	1.75	0.80	0.209	(0.386)		0.188	0.021
22	1.83	0.80	0.209	(0.386)		0.188	0.021
23	1.92	0.80	0.209	(0.386)		0.188	0.021
24	2.00	0.90	0.235	(0.386)		0.211	0.023
25	2.08	0.80	0.209	(0.386)		0.188	0.021
26	2.17	0.90	0.235	(0.386)		0.211	0.023
27	2.25	0.90	0.235	(0.386)		0.211	0.023
28	2.33	0.90	0.235	(0.386)		0.211	0.023
29	2.42	0.90	0.235	(0.386)		0.211	0.023
30	2.50	0.90	0.235	(0.386)		0.211	0.023

```
31   2.58     0.90      0.235       (  0.386)       0.211        0.023
32   2.67     0.90      0.235       (  0.386)       0.211        0.023
33   2.75     1.00      0.261       (  0.386)       0.235        0.026
34   2.83     1.00      0.261       (  0.386)       0.235        0.026
35   2.92     1.00      0.261       (  0.386)       0.235        0.026
36   3.00     1.00      0.261       (  0.386)       0.235        0.026
37   3.08     1.00      0.261       (  0.386)       0.235        0.026
38   3.17     1.10      0.287       (  0.386)       0.258        0.029
39   3.25     1.10      0.287       (  0.386)       0.258        0.029
40   3.33     1.10      0.287       (  0.386)       0.258        0.029
41   3.42     1.20      0.313       (  0.386)       0.282        0.031
42   3.50     1.30      0.339       (  0.386)       0.305        0.034
43   3.58     1.40      0.365       (  0.386)       0.329        0.037
44   3.67     1.40      0.365       (  0.386)       0.329        0.037
45   3.75     1.50      0.392       (  0.386)       0.352        0.039
46   3.83     1.50      0.392       (  0.386)       0.352        0.039
47   3.92     1.60      0.418       (  0.386)       0.376        0.042
48   4.00     1.60      0.418       (  0.386)       0.376        0.042
49   4.08     1.70      0.444          0.386    (  0.399)        0.058
50   4.17     1.80      0.470          0.386    (  0.423)        0.084
51   4.25     1.90      0.496          0.386    (  0.446)        0.110
52   4.33     2.00      0.522          0.386    (  0.470)        0.136
53   4.42     2.10      0.548          0.386    (  0.493)        0.162
54   4.50     2.10      0.548          0.386    (  0.493)        0.162
55   4.58     2.20      0.574          0.386    (  0.517)        0.188
56   4.67     2.30      0.600          0.386    (  0.540)        0.214
57   4.75     2.40      0.627          0.386    (  0.564)        0.240
58   4.83     2.40      0.627          0.386    (  0.564)        0.240
59   4.92     2.50      0.653          0.386    (  0.587)        0.266
60   5.00     2.60      0.679          0.386    (  0.611)        0.293
61   5.08     3.10      0.809          0.386    (  0.728)        0.423
62   5.17     3.60      0.940          0.386    (  0.846)        0.554
63   5.25     3.90      1.018          0.386    (  0.916)        0.632
64   5.33     4.20      1.096          0.386    (  0.987)        0.710
65   5.42     4.70      1.227          0.386    (  1.104)        0.841
66   5.50     5.60      1.462          0.386    (  1.316)        1.076
67   5.58     1.90      0.496          0.386    (  0.446)        0.110
68   5.67     0.90      0.235       (  0.386)       0.211        0.023
69   5.75     0.60      0.157       (  0.386)       0.141        0.016
70   5.83     0.50      0.131       (  0.386)       0.117        0.013
71   5.92     0.30      0.078       (  0.386)       0.070        0.008
72   6.00     0.20      0.052       (  0.386)       0.047        0.005
            (Loss Rate Not Used)
   Sum =     100.0                                    Sum =     7.7
     Flood volume = Effective rainfall      0.64(In)
      times area      53.7(Ac.)/[(In)/(Ft.)] =       2.9(Ac.Ft)
     Total soil loss =      1.53(In)
     Total soil loss =     6.855(Ac.Ft)
     Total rainfall =      2.18(In)
     Flood volume =      125503.0 Cubic Feet
     Total soil loss =      298583.0 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     42.520(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       12.5      25.0      37.5      50.0
-------------------------------------------------------------------------
  0+ 5       0.0007      0.11  Q         |         |         |         |
  0+10       0.0039      0.46  Q         |         |         |         |
  0+15       0.0084      0.65  Q         |         |         |         |
  0+20       0.0135      0.73  Q         |         |         |         |
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0+25       0.0188      0.78  Q          |          |          |          |
0+30       0.0245      0.83  Q          |          |          |          |
0+35       0.0307      0.91  Q          |          |          |          |
0+40       0.0373      0.95  Q          |          |          |          |
0+45       0.0439      0.97  Q          |          |          |          |
0+50       0.0507      0.98  Q          |          |          |          |
0+55       0.0574      0.98  Q          |          |          |          |
1+ 0       0.0644      1.01  Q          |          |          |          |
1+ 5       0.0718      1.07  Q          |          |          |          |
1+10       0.0794      1.10  QV         |          |          |          |
1+15       0.0870      1.11  QV         |          |          |          |
1+20       0.0947      1.12  QV         |          |          |          |
1+25       0.1025      1.12  QV         |          |          |          |
1+30       0.1102      1.13  QV         |          |          |          |
1+35       0.1180      1.13  QV         |          |          |          |
1+40       0.1258      1.13  QV         |          |          |          |
1+45       0.1336      1.13  QV         |          |          |          |
1+50       0.1414      1.13  QV         |          |          |          |
1+55       0.1492      1.13  Q V        |          |          |          |
2+ 0       0.1571      1.15  Q V        |          |          |          |
2+ 5       0.1653      1.20  Q V        |          |          |          |
2+10       0.1735      1.18  Q V        |          |          |          |
2+15       0.1819      1.23  Q V        |          |          |          |
2+20       0.1905      1.25  |QV        |          |          |          |
2+25       0.1992      1.26  |QV        |          |          |          |
2+30       0.2079      1.26  |QV        |          |          |          |
2+35       0.2166      1.27  |Q V       |          |          |          |
2+40       0.2254      1.27  |Q V       |          |          |          |
2+45       0.2343      1.29  |Q V       |          |          |          |
2+50       0.2436      1.36  |Q V       |          |          |          |
2+55       0.2532      1.39  |Q V       |          |          |          |
3+ 0       0.2628      1.40  |Q V       |          |          |          |
3+ 5       0.2725      1.40  |Q V       |          |          |          |
3+10       0.2823      1.43  |Q V       |          |          |          |
3+15       0.2926      1.50  |Q  V       |          |          |          |
3+20       0.3031      1.52  |Q  V       |          |          |          |
3+25       0.3138      1.56  |Q  V       |          |          |          |
3+30       0.3252      1.65  |Q  V       |          |          |          |
3+35       0.3374      1.77  |Q  V       |          |          |          |
3+40       0.3503      1.88  |Q  V       |          |          |          |
3+45       0.3637      1.94  |Q   V      |          |          |          |
3+50       0.3777      2.03  |Q   V      |          |          |          |
3+55       0.3921      2.09  |Q   V      |          |          |          |
4+ 0       0.4071      2.18  |Q   V      |          |          |          |
4+ 5       0.4233      2.35  |Q   V      |          |          |          |
4+10       0.4438      2.98  | Q   V     |          |          |          |
4+15       0.4716      4.03  |  Q  V     |          |          |          |
4+20       0.5076      5.23  |   Q  V    |          |          |          |
4+25       0.5524      6.51  |    Q V    |          |          |          |
4+30       0.6050      7.63  |     Q V   |          |          |          |
4+35       0.6624      8.33  |     Q  V  |          |          |          |
4+40       0.7276      9.47  |      Q  V |          |          |          |
4+45       0.8016     10.76  |       Q  |V         |          |          |
4+50       0.8835     11.88  |        Q| V         |          |          |
4+55       0.9702     12.60  |         Q  V         |          |          |
5+ 0       1.0648     13.73  |         Q   V        |          |          |
5+ 5       1.1742     15.89  |          | Q   V     |          |          |
5+10       1.3169     20.72  |          |     Q V   |          |          |
5+15       1.4972     26.17  |          |         Q |          |          |
5+20       1.7091     30.77  |          |           |  VQ      |          |
5+25       1.9540     35.56  |          |           |      VQ  |          |
5+30       2.2466     42.48  |          |           |          |V Q       |
5+35       2.5394     42.52  |          |           |          |   QV     |
5+40       2.6832     20.88  |          |     Q     |          |      V   |
5+45       2.7583     10.91  |        Q |           |          |       V  |
5+50       2.8051      6.80  |    Q     |           |          |       V  |
5+55       2.8361      4.50  |  Q       |           |          |        V |
```

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    6+ 0       2.8567      2.98  | Q       |         |         |        V|
    6+ 5       2.8695      1.86  |Q        |         |         |        V|
    6+10       2.8766      1.03  Q         |         |         |        V|
    6+15       2.8799      0.48  Q         |         |         |        V|
    6+20       2.8806      0.10  Q         |         |         |        V|
    6+25       2.8809      0.04  Q         |         |         |        V|
    6+30       2.8810      0.02  Q         |         |         |        V|
    6+35       2.8811      0.01  Q         |         |         |        V|
    6+40       2.8811      0.00  Q         |         |         |        V|
    6+45       2.8812      0.00  Q         |         |         |        V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 01/02/22 File: RVEXA2410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- EXISTING UNIT HYDROGRAPH
10YR-24HR STORM

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Length along longest watercourse = 0.406 Mi.
Length along longest watercourse measured to centroid = 0.190 Mi.
Difference in elevation = 460.00(Ft.)
Slope along watercourse = 1132.1493 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.095 Hr.
Lag time = 5.72 Min.
25% of lag time = 1.43 Min.
40% of lag time = 2.29 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	2.70	144.99

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	7.00	375.90

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 4.469(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 4.469(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
53.700	83.40	0.000

Total Area Entered = 53.70(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      83.4  83.4      0.205     0.000        0.205       1.000      0.205
                                                         Sum (F) =   0.205
      Area averaged mean soil loss (F) (In/Hr) =  0.386
      Minimum soil loss rate ((In/Hr)) =  0.193
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.900
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------------
              1   0.083         87.371         15.405              8.337
              2   0.167        174.742         46.530             25.182
              3   0.250        262.113         18.006              9.745
              4   0.333        349.484          7.793              4.217
              5   0.417        436.854          4.572              2.474
              6   0.500        524.225          2.881              1.559
              7   0.583        611.596          2.017              1.091
              8   0.667        698.967          1.315              0.712
              9   0.750        786.338          0.907              0.491
             10   0.833        873.709          0.573              0.310
                                      Sum = 100.000   Sum=         54.120
    ------------------------------------------------------------------------


     The following loss rate calculations reflect use of the minimum calculated loss
     rate subtracted from the Storm Rain to produce the maximum Effective Rain value

      Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
           (Hr.)  Percent   (In/Hr)          Max    |   Low         (In/Hr)
       1   0.08     0.07      0.036       (  0.685)       0.032         0.004
       2   0.17     0.07      0.036       (  0.682)       0.032         0.004
       3   0.25     0.07      0.036       (  0.679)       0.032         0.004
       4   0.33     0.10      0.054       (  0.677)       0.048         0.005
       5   0.42     0.10      0.054       (  0.674)       0.048         0.005
       6   0.50     0.10      0.054       (  0.671)       0.048         0.005
       7   0.58     0.10      0.054       (  0.669)       0.048         0.005
       8   0.67     0.10      0.054       (  0.666)       0.048         0.005
       9   0.75     0.10      0.054       (  0.664)       0.048         0.005
      10   0.83     0.13      0.071       (  0.661)       0.064         0.007
      11   0.92     0.13      0.071       (  0.658)       0.064         0.007
      12   1.00     0.13      0.071       (  0.656)       0.064         0.007
      13   1.08     0.10      0.054       (  0.653)       0.048         0.005
      14   1.17     0.10      0.054       (  0.651)       0.048         0.005
      15   1.25     0.10      0.054       (  0.648)       0.048         0.005
      16   1.33     0.10      0.054       (  0.645)       0.048         0.005
      17   1.42     0.10      0.054       (  0.643)       0.048         0.005
      18   1.50     0.10      0.054       (  0.640)       0.048         0.005
      19   1.58     0.10      0.054       (  0.638)       0.048         0.005
      20   1.67     0.10      0.054       (  0.635)       0.048         0.005
      21   1.75     0.10      0.054       (  0.633)       0.048         0.005
      22   1.83     0.13      0.071       (  0.630)       0.064         0.007
      23   1.92     0.13      0.071       (  0.628)       0.064         0.007
      24   2.00     0.13      0.071       (  0.625)       0.064         0.007
      25   2.08     0.13      0.071       (  0.622)       0.064         0.007
      26   2.17     0.13      0.071       (  0.620)       0.064         0.007
      27   2.25     0.13      0.071       (  0.617)       0.064         0.007
      28   2.33     0.13      0.071       (  0.615)       0.064         0.007
      29   2.42     0.13      0.071       (  0.612)       0.064         0.007
      30   2.50     0.13      0.071       (  0.610)       0.064         0.007
      31   2.58     0.17      0.089       (  0.607)       0.080         0.009
```

32	2.67	0.17	0.089	(0.605)	0.080	0.009
33	2.75	0.17	0.089	(0.602)	0.080	0.009
34	2.83	0.17	0.089	(0.600)	0.080	0.009
35	2.92	0.17	0.089	(0.597)	0.080	0.009
36	3.00	0.17	0.089	(0.595)	0.080	0.009
37	3.08	0.17	0.089	(0.593)	0.080	0.009
38	3.17	0.17	0.089	(0.590)	0.080	0.009
39	3.25	0.17	0.089	(0.588)	0.080	0.009
40	3.33	0.17	0.089	(0.585)	0.080	0.009
41	3.42	0.17	0.089	(0.583)	0.080	0.009
42	3.50	0.17	0.089	(0.580)	0.080	0.009
43	3.58	0.17	0.089	(0.578)	0.080	0.009
44	3.67	0.17	0.089	(0.575)	0.080	0.009
45	3.75	0.17	0.089	(0.573)	0.080	0.009
46	3.83	0.20	0.107	(0.571)	0.097	0.011
47	3.92	0.20	0.107	(0.568)	0.097	0.011
48	4.00	0.20	0.107	(0.566)	0.097	0.011
49	4.08	0.20	0.107	(0.563)	0.097	0.011
50	4.17	0.20	0.107	(0.561)	0.097	0.011
51	4.25	0.20	0.107	(0.559)	0.097	0.011
52	4.33	0.23	0.125	(0.556)	0.113	0.013
53	4.42	0.23	0.125	(0.554)	0.113	0.013
54	4.50	0.23	0.125	(0.551)	0.113	0.013
55	4.58	0.23	0.125	(0.549)	0.113	0.013
56	4.67	0.23	0.125	(0.547)	0.113	0.013
57	4.75	0.23	0.125	(0.544)	0.113	0.013
58	4.83	0.27	0.143	(0.542)	0.129	0.014
59	4.92	0.27	0.143	(0.540)	0.129	0.014
60	5.00	0.27	0.143	(0.537)	0.129	0.014
61	5.08	0.20	0.107	(0.535)	0.097	0.011
62	5.17	0.20	0.107	(0.533)	0.097	0.011
63	5.25	0.20	0.107	(0.530)	0.097	0.011
64	5.33	0.23	0.125	(0.528)	0.113	0.013
65	5.42	0.23	0.125	(0.526)	0.113	0.013
66	5.50	0.23	0.125	(0.523)	0.113	0.013
67	5.58	0.27	0.143	(0.521)	0.129	0.014
68	5.67	0.27	0.143	(0.519)	0.129	0.014
69	5.75	0.27	0.143	(0.517)	0.129	0.014
70	5.83	0.27	0.143	(0.514)	0.129	0.014
71	5.92	0.27	0.143	(0.512)	0.129	0.014
72	6.00	0.27	0.143	(0.510)	0.129	0.014
73	6.08	0.30	0.161	(0.508)	0.145	0.016
74	6.17	0.30	0.161	(0.505)	0.145	0.016
75	6.25	0.30	0.161	(0.503)	0.145	0.016
76	6.33	0.30	0.161	(0.501)	0.145	0.016
77	6.42	0.30	0.161	(0.499)	0.145	0.016
78	6.50	0.30	0.161	(0.496)	0.145	0.016
79	6.58	0.33	0.179	(0.494)	0.161	0.018
80	6.67	0.33	0.179	(0.492)	0.161	0.018
81	6.75	0.33	0.179	(0.490)	0.161	0.018
82	6.83	0.33	0.179	(0.487)	0.161	0.018
83	6.92	0.33	0.179	(0.485)	0.161	0.018
84	7.00	0.33	0.179	(0.483)	0.161	0.018
85	7.08	0.33	0.179	(0.481)	0.161	0.018
86	7.17	0.33	0.179	(0.479)	0.161	0.018
87	7.25	0.33	0.179	(0.476)	0.161	0.018
88	7.33	0.37	0.197	(0.474)	0.177	0.020
89	7.42	0.37	0.197	(0.472)	0.177	0.020
90	7.50	0.37	0.197	(0.470)	0.177	0.020
91	7.58	0.40	0.214	(0.468)	0.193	0.021
92	7.67	0.40	0.214	(0.466)	0.193	0.021
93	7.75	0.40	0.214	(0.463)	0.193	0.021
94	7.83	0.43	0.232	(0.461)	0.209	0.023
95	7.92	0.43	0.232	(0.459)	0.209	0.023
96	8.00	0.43	0.232	(0.457)	0.209	0.023
97	8.08	0.50	0.268	(0.455)	0.241	0.027
98	8.17	0.50	0.268	(0.453)	0.241	0.027

99	8.25	0.50	0.268	(0.451)	0.241	0.027
100	8.33	0.50	0.268	(0.449)	0.241	0.027
101	8.42	0.50	0.268	(0.446)	0.241	0.027
102	8.50	0.50	0.268	(0.444)	0.241	0.027
103	8.58	0.53	0.286	(0.442)	0.257	0.029
104	8.67	0.53	0.286	(0.440)	0.257	0.029
105	8.75	0.53	0.286	(0.438)	0.257	0.029
106	8.83	0.57	0.304	(0.436)	0.273	0.030
107	8.92	0.57	0.304	(0.434)	0.273	0.030
108	9.00	0.57	0.304	(0.432)	0.273	0.030
109	9.08	0.63	0.340	(0.430)	0.306	0.034
110	9.17	0.63	0.340	(0.428)	0.306	0.034
111	9.25	0.63	0.340	(0.426)	0.306	0.034
112	9.33	0.67	0.357	(0.424)	0.322	0.036
113	9.42	0.67	0.357	(0.422)	0.322	0.036
114	9.50	0.67	0.357	(0.420)	0.322	0.036
115	9.58	0.70	0.375	(0.418)	0.338	0.038
116	9.67	0.70	0.375	(0.416)	0.338	0.038
117	9.75	0.70	0.375	(0.414)	0.338	0.038
118	9.83	0.73	0.393	(0.412)	0.354	0.039
119	9.92	0.73	0.393	(0.410)	0.354	0.039
120	10.00	0.73	0.393	(0.408)	0.354	0.039
121	10.08	0.50	0.268	(0.406)	0.241	0.027
122	10.17	0.50	0.268	(0.404)	0.241	0.027
123	10.25	0.50	0.268	(0.402)	0.241	0.027
124	10.33	0.50	0.268	(0.400)	0.241	0.027
125	10.42	0.50	0.268	(0.398)	0.241	0.027
126	10.50	0.50	0.268	(0.396)	0.241	0.027
127	10.58	0.67	0.357	(0.394)	0.322	0.036
128	10.67	0.67	0.357	(0.392)	0.322	0.036
129	10.75	0.67	0.357	(0.390)	0.322	0.036
130	10.83	0.67	0.357	(0.388)	0.322	0.036
131	10.92	0.67	0.357	(0.386)	0.322	0.036
132	11.00	0.67	0.357	(0.385)	0.322	0.036
133	11.08	0.63	0.340	(0.383)	0.306	0.034
134	11.17	0.63	0.340	(0.381)	0.306	0.034
135	11.25	0.63	0.340	(0.379)	0.306	0.034
136	11.33	0.63	0.340	(0.377)	0.306	0.034
137	11.42	0.63	0.340	(0.375)	0.306	0.034
138	11.50	0.63	0.340	(0.373)	0.306	0.034
139	11.58	0.57	0.304	(0.371)	0.273	0.030
140	11.67	0.57	0.304	(0.370)	0.273	0.030
141	11.75	0.57	0.304	(0.368)	0.273	0.030
142	11.83	0.60	0.322	(0.366)	0.290	0.032
143	11.92	0.60	0.322	(0.364)	0.290	0.032
144	12.00	0.60	0.322	(0.362)	0.290	0.032
145	12.08	0.83	0.447	0.361	(0.402)	0.086
146	12.17	0.83	0.447	0.359	(0.402)	0.088
147	12.25	0.83	0.447	0.357	(0.402)	0.090
148	12.33	0.87	0.465	0.355	(0.418)	0.110
149	12.42	0.87	0.465	0.353	(0.418)	0.111
150	12.50	0.87	0.465	0.352	(0.418)	0.113
151	12.58	0.93	0.500	0.350	(0.450)	0.151
152	12.67	0.93	0.500	0.348	(0.450)	0.152
153	12.75	0.93	0.500	0.346	(0.450)	0.154
154	12.83	0.97	0.518	0.345	(0.467)	0.174
155	12.92	0.97	0.518	0.343	(0.467)	0.176
156	13.00	0.97	0.518	0.341	(0.467)	0.177
157	13.08	1.13	0.608	0.339	(0.547)	0.268
158	13.17	1.13	0.608	0.338	(0.547)	0.270
159	13.25	1.13	0.608	0.336	(0.547)	0.272
160	13.33	1.13	0.608	0.334	(0.547)	0.274
161	13.42	1.13	0.608	0.332	(0.547)	0.275
162	13.50	1.13	0.608	0.331	(0.547)	0.277
163	13.58	0.77	0.411	0.329	(0.370)	0.082
164	13.67	0.77	0.411	0.327	(0.370)	0.084
165	13.75	0.77	0.411	0.326	(0.370)	0.085

166	13.83	0.77	0.411	0.324	(0.370)	0.087	
167	13.92	0.77	0.411	0.322	(0.370)	0.089	
168	14.00	0.77	0.411	0.321	(0.370)	0.090	
169	14.08	0.90	0.483	0.319	(0.434)	0.163	
170	14.17	0.90	0.483	0.318	(0.434)	0.165	
171	14.25	0.90	0.483	0.316	(0.434)	0.167	
172	14.33	0.87	0.465	0.314	(0.418)	0.150	
173	14.42	0.87	0.465	0.313	(0.418)	0.152	
174	14.50	0.87	0.465	0.311	(0.418)	0.154	
175	14.58	0.87	0.465	0.309	(0.418)	0.155	
176	14.67	0.87	0.465	0.308	(0.418)	0.157	
177	14.75	0.87	0.465	0.306	(0.418)	0.158	
178	14.83	0.83	0.447	0.305	(0.402)	0.142	
179	14.92	0.83	0.447	0.303	(0.402)	0.144	
180	15.00	0.83	0.447	0.302	(0.402)	0.145	
181	15.08	0.80	0.429	0.300	(0.386)	0.129	
182	15.17	0.80	0.429	0.299	(0.386)	0.130	
183	15.25	0.80	0.429	0.297	(0.386)	0.132	
184	15.33	0.77	0.411	0.295	(0.370)	0.116	
185	15.42	0.77	0.411	0.294	(0.370)	0.117	
186	15.50	0.77	0.411	0.292	(0.370)	0.119	
187	15.58	0.63	0.340	0.291	(0.306)	0.049	
188	15.67	0.63	0.340	0.289	(0.306)	0.050	
189	15.75	0.63	0.340	0.288	(0.306)	0.052	
190	15.83	0.63	0.340	0.287	(0.306)	0.053	
191	15.92	0.63	0.340	0.285	(0.306)	0.055	
192	16.00	0.63	0.340	0.284	(0.306)	0.056	
193	16.08	0.13	0.071	(0.282)	0.064	0.007	
194	16.17	0.13	0.071	(0.281)	0.064	0.007	
195	16.25	0.13	0.071	(0.279)	0.064	0.007	
196	16.33	0.13	0.071	(0.278)	0.064	0.007	
197	16.42	0.13	0.071	(0.276)	0.064	0.007	
198	16.50	0.13	0.071	(0.275)	0.064	0.007	
199	16.58	0.10	0.054	(0.274)	0.048	0.005	
200	16.67	0.10	0.054	(0.272)	0.048	0.005	
201	16.75	0.10	0.054	(0.271)	0.048	0.005	
202	16.83	0.10	0.054	(0.269)	0.048	0.005	
203	16.92	0.10	0.054	(0.268)	0.048	0.005	
204	17.00	0.10	0.054	(0.267)	0.048	0.005	
205	17.08	0.17	0.089	(0.265)	0.080	0.009	
206	17.17	0.17	0.089	(0.264)	0.080	0.009	
207	17.25	0.17	0.089	(0.263)	0.080	0.009	
208	17.33	0.17	0.089	(0.261)	0.080	0.009	
209	17.42	0.17	0.089	(0.260)	0.080	0.009	
210	17.50	0.17	0.089	(0.259)	0.080	0.009	
211	17.58	0.17	0.089	(0.258)	0.080	0.009	
212	17.67	0.17	0.089	(0.256)	0.080	0.009	
213	17.75	0.17	0.089	(0.255)	0.080	0.009	
214	17.83	0.13	0.071	(0.254)	0.064	0.007	
215	17.92	0.13	0.071	(0.252)	0.064	0.007	
216	18.00	0.13	0.071	(0.251)	0.064	0.007	
217	18.08	0.13	0.071	(0.250)	0.064	0.007	
218	18.17	0.13	0.071	(0.249)	0.064	0.007	
219	18.25	0.13	0.071	(0.248)	0.064	0.007	
220	18.33	0.13	0.071	(0.246)	0.064	0.007	
221	18.42	0.13	0.071	(0.245)	0.064	0.007	
222	18.50	0.13	0.071	(0.244)	0.064	0.007	
223	18.58	0.10	0.054	(0.243)	0.048	0.005	
224	18.67	0.10	0.054	(0.242)	0.048	0.005	
225	18.75	0.10	0.054	(0.240)	0.048	0.005	
226	18.83	0.07	0.036	(0.239)	0.032	0.004	
227	18.92	0.07	0.036	(0.238)	0.032	0.004	
228	19.00	0.07	0.036	(0.237)	0.032	0.004	
229	19.08	0.10	0.054	(0.236)	0.048	0.005	
230	19.17	0.10	0.054	(0.235)	0.048	0.005	
231	19.25	0.10	0.054	(0.234)	0.048	0.005	
232	19.33	0.13	0.071	(0.233)	0.064	0.007	

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233  19.42     0.13      0.071       (  0.231)       0.064        0.007
234  19.50     0.13      0.071       (  0.230)       0.064        0.007
235  19.58     0.10      0.054       (  0.229)       0.048        0.005
236  19.67     0.10      0.054       (  0.228)       0.048        0.005
237  19.75     0.10      0.054       (  0.227)       0.048        0.005
238  19.83     0.07      0.036       (  0.226)       0.032        0.004
239  19.92     0.07      0.036       (  0.225)       0.032        0.004
240  20.00     0.07      0.036       (  0.224)       0.032        0.004
241  20.08     0.10      0.054       (  0.223)       0.048        0.005
242  20.17     0.10      0.054       (  0.222)       0.048        0.005
243  20.25     0.10      0.054       (  0.221)       0.048        0.005
244  20.33     0.10      0.054       (  0.220)       0.048        0.005
245  20.42     0.10      0.054       (  0.219)       0.048        0.005
246  20.50     0.10      0.054       (  0.218)       0.048        0.005
247  20.58     0.10      0.054       (  0.218)       0.048        0.005
248  20.67     0.10      0.054       (  0.217)       0.048        0.005
249  20.75     0.10      0.054       (  0.216)       0.048        0.005
250  20.83     0.07      0.036       (  0.215)       0.032        0.004
251  20.92     0.07      0.036       (  0.214)       0.032        0.004
252  21.00     0.07      0.036       (  0.213)       0.032        0.004
253  21.08     0.10      0.054       (  0.212)       0.048        0.005
254  21.17     0.10      0.054       (  0.211)       0.048        0.005
255  21.25     0.10      0.054       (  0.211)       0.048        0.005
256  21.33     0.07      0.036       (  0.210)       0.032        0.004
257  21.42     0.07      0.036       (  0.209)       0.032        0.004
258  21.50     0.07      0.036       (  0.208)       0.032        0.004
259  21.58     0.10      0.054       (  0.208)       0.048        0.005
260  21.67     0.10      0.054       (  0.207)       0.048        0.005
261  21.75     0.10      0.054       (  0.206)       0.048        0.005
262  21.83     0.07      0.036       (  0.205)       0.032        0.004
263  21.92     0.07      0.036       (  0.205)       0.032        0.004
264  22.00     0.07      0.036       (  0.204)       0.032        0.004
265  22.08     0.10      0.054       (  0.203)       0.048        0.005
266  22.17     0.10      0.054       (  0.203)       0.048        0.005
267  22.25     0.10      0.054       (  0.202)       0.048        0.005
268  22.33     0.07      0.036       (  0.201)       0.032        0.004
269  22.42     0.07      0.036       (  0.201)       0.032        0.004
270  22.50     0.07      0.036       (  0.200)       0.032        0.004
271  22.58     0.07      0.036       (  0.200)       0.032        0.004
272  22.67     0.07      0.036       (  0.199)       0.032        0.004
273  22.75     0.07      0.036       (  0.198)       0.032        0.004
274  22.83     0.07      0.036       (  0.198)       0.032        0.004
275  22.92     0.07      0.036       (  0.197)       0.032        0.004
276  23.00     0.07      0.036       (  0.197)       0.032        0.004
277  23.08     0.07      0.036       (  0.196)       0.032        0.004
278  23.17     0.07      0.036       (  0.196)       0.032        0.004
279  23.25     0.07      0.036       (  0.196)       0.032        0.004
280  23.33     0.07      0.036       (  0.195)       0.032        0.004
281  23.42     0.07      0.036       (  0.195)       0.032        0.004
282  23.50     0.07      0.036       (  0.194)       0.032        0.004
283  23.58     0.07      0.036       (  0.194)       0.032        0.004
284  23.67     0.07      0.036       (  0.194)       0.032        0.004
285  23.75     0.07      0.036       (  0.194)       0.032        0.004
286  23.83     0.07      0.036       (  0.193)       0.032        0.004
287  23.92     0.07      0.036       (  0.193)       0.032        0.004
288  24.00     0.07      0.036       (  0.193)       0.032        0.004
            (Loss Rate Not Used)
    Sum =     100.0                                    Sum =     9.8
      Flood volume = Effective rainfall      0.82(In)
       times area      53.7(Ac.)/[(In)/(Ft.)] =       3.7(Ac.Ft)
      Total soil loss =      3.65(In)
      Total soil loss =    16.341(Ac.Ft)
      Total rainfall =      4.47(In)
      Flood volume =      159261.3 Cubic Feet
      Total soil loss =      711804.7 Cubic Feet
      ---------------------------------------------------------------------
```

Peak flow rate of this hydrograph = 14.599(CFS)

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0002	0.03	Q				
0+10	0.0010	0.12	Q				
0+15	0.0021	0.15	Q				
0+20	0.0034	0.18	Q				
0+25	0.0050	0.24	Q				
0+30	0.0068	0.26	Q				
0+35	0.0087	0.27	Q				
0+40	0.0106	0.28	Q				
0+45	0.0126	0.28	Q				
0+50	0.0147	0.30	Q				
0+55	0.0171	0.35	Q				
1+ 0	0.0196	0.37	Q				
1+ 5	0.0221	0.36	Q				
1+10	0.0243	0.32	Q				
1+15	0.0264	0.31	Q				
1+20	0.0284	0.30	Q				
1+25	0.0305	0.30	Q				
1+30	0.0325	0.29	Q				
1+35	0.0345	0.29	Q				
1+40	0.0365	0.29	Q				
1+45	0.0385	0.29	Q				
1+50	0.0406	0.31	Q				
1+55	0.0431	0.35	Q				
2+ 0	0.0456	0.37	Q				
2+ 5	0.0482	0.38	Q				
2+10	0.0508	0.38	Q				
2+15	0.0534	0.38	Q				
2+20	0.0561	0.38	Q				
2+25	0.0587	0.39	Q				
2+30	0.0614	0.39	Q				
2+35	0.0642	0.40	Q				
2+40	0.0672	0.45	Q				
2+45	0.0704	0.46	Q				
2+50	0.0737	0.47	Q				
2+55	0.0770	0.48	Q				
3+ 0	0.0803	0.48	Q				
3+ 5	0.0836	0.48	Q				
3+10	0.0869	0.48	Q				
3+15	0.0902	0.48	Q				
3+20	0.0936	0.48	QV				
3+25	0.0969	0.48	QV				
3+30	0.1002	0.48	QV				
3+35	0.1036	0.48	QV				
3+40	0.1069	0.48	QV				
3+45	0.1102	0.48	QV				
3+50	0.1137	0.50	QV				
3+55	0.1174	0.54	|Q				
4+ 0	0.1213	0.56	|Q				
4+ 5	0.1252	0.57	|Q				
4+10	0.1292	0.57	|Q				
4+15	0.1331	0.58	|Q				
4+20	0.1372	0.59	|Q				
4+25	0.1416	0.64	|Q				
4+30	0.1461	0.66	|Q				
4+35	0.1507	0.67	|Q				
4+40	0.1553	0.67	|Q				

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 4+45       0.1600      0.67  |Q        |         |         |         |
 4+50       0.1647      0.69  |Q        |         |         |         |
 4+55       0.1698      0.74  |Q        |         |         |         |
 5+ 0       0.1750      0.75  |Q        |         |         |         |
 5+ 5       0.1800      0.73  |Q        |         |         |         |
 5+10       0.1845      0.65  |QV       |         |         |         |
 5+15       0.1887      0.61  |QV       |         |         |         |
 5+20       0.1930      0.62  |QV       |         |         |         |
 5+25       0.1975      0.65  |QV       |         |         |         |
 5+30       0.2021      0.67  |QV       |         |         |         |
 5+35       0.2068      0.69  |QV       |         |         |         |
 5+40       0.2118      0.73  |QV       |         |         |         |
 5+45       0.2170      0.75  |QV       |         |         |         |
 5+50       0.2222      0.76  |QV       |         |         |         |
 5+55       0.2275      0.77  |QV       |         |         |         |
 6+ 0       0.2328      0.77  |QV       |         |         |         |
 6+ 5       0.2382      0.79  |QV       |         |         |         |
 6+10       0.2440      0.83  |QV       |         |         |         |
 6+15       0.2498      0.85  |QV       |         |         |         |
 6+20       0.2557      0.86  |QV       |         |         |         |
 6+25       0.2617      0.86  |QV       |         |         |         |
 6+30       0.2677      0.87  |QV       |         |         |         |
 6+35       0.2737      0.88  |QV       |         |         |         |
 6+40       0.2801      0.93  |Q V      |         |         |         |
 6+45       0.2867      0.95  |Q V      |         |         |         |
 6+50       0.2932      0.96  |Q V      |         |         |         |
 6+55       0.2999      0.96  |Q V      |         |         |         |
 7+ 0       0.3065      0.96  |Q V      |         |         |         |
 7+ 5       0.3131      0.97  |Q V      |         |         |         |
 7+10       0.3198      0.97  |Q V      |         |         |         |
 7+15       0.3265      0.97  |Q V      |         |         |         |
 7+20       0.3332      0.98  |Q V      |         |         |         |
 7+25       0.3403      1.03  | QV      |         |         |         |
 7+30       0.3475      1.05  | QV      |         |         |         |
 7+35       0.3549      1.07  | QV      |         |         |         |
 7+40       0.3626      1.12  | QV      |         |         |         |
 7+45       0.3704      1.14  | Q V     |         |         |         |
 7+50       0.3784      1.16  | Q V     |         |         |         |
 7+55       0.3867      1.21  | Q V     |         |         |         |
 8+ 0       0.3952      1.23  | Q V     |         |         |         |
 8+ 5       0.4040      1.27  | Q V     |         |         |         |
 8+10       0.4134      1.37  | Q V     |         |         |         |
 8+15       0.4231      1.41  | Q V     |         |         |         |
 8+20       0.4329      1.43  | Q V     |         |         |         |
 8+25       0.4428      1.44  | Q V     |         |         |         |
 8+30       0.4528      1.44  | Q V     |         |         |         |
 8+35       0.4628      1.46  | Q  V    |         |         |         |
 8+40       0.4732      1.51  |  Q V    |         |         |         |
 8+45       0.4837      1.53  |  Q V    |         |         |         |
 8+50       0.4944      1.55  |  Q V    |         |         |         |
 8+55       0.5055      1.60  |  Q V    |         |         |         |
 9+ 0       0.5166      1.62  |  Q V    |         |         |         |
 9+ 5       0.5281      1.66  |  Q V    |         |         |         |
 9+10       0.5402      1.76  |  Q V    |         |         |         |
 9+15       0.5525      1.79  |  Q  V   |         |         |         |
 9+20       0.5651      1.83  |  Q  V   |         |         |         |
 9+25       0.5781      1.88  |  Q  V   |         |         |         |
 9+30       0.5912      1.91  |  Q  V   |         |         |         |
 9+35       0.6045      1.93  |  Q  V   |         |         |         |
 9+40       0.6182      1.99  |  Q  V   |         |         |         |
 9+45       0.6320      2.01  |   Q V   |         |         |         |
 9+50       0.6460      2.03  |   Q  V  |         |         |         |
 9+55       0.6604      2.08  |   Q  V  |         |         |         |
10+ 0       0.6748      2.10  |   Q  V  |         |         |         |
10+ 5       0.6887      2.01  |   Q  V  |         |         |         |
10+10       0.7004      1.70  |  Q   V  |         |         |         |
10+15       0.7113      1.58  |  Q   V  |         |         |         |
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10+20       0.7219      1.53  |  Q   V  |          |          |          |
10+25       0.7322      1.50  |  Q    V |          |          |          |
10+30       0.7424      1.48  | Q     V |          |          |          |
10+35       0.7531      1.55  |  Q    V |          |          |          |
10+40       0.7652      1.76  |  Q    V |          |          |          |
10+45       0.7779      1.84  |  Q    V |          |          |          |
10+50       0.7908      1.88  |  Q    V |          |          |          |
10+55       0.8039      1.90  |  Q    V |          |          |          |
11+ 0       0.8171      1.91  |  Q    V |          |          |          |
11+ 5       0.8302      1.91  |  Q     V|          |          |          |
11+10       0.8431      1.87  |  Q     V|          |          |          |
11+15       0.8558      1.86  |  Q     V|          |          |          |
11+20       0.8686      1.85  |  Q     V|          |          |          |
11+25       0.8813      1.85  |  Q     V|          |          |          |
11+30       0.8940      1.84  |  Q     V|          |          |          |
11+35       0.9065      1.81  |  Q     V|          |          |          |
11+40       0.9183      1.72  |  Q      V          |          |          |
11+45       0.9299      1.68  |  Q      V          |          |          |
11+50       0.9415      1.68  |  Q      V          |          |          |
11+55       0.9534      1.72  |  Q      V          |          |          |
12+ 0       0.9653      1.73  |  Q      V          |          |          |
12+ 5       0.9804      2.19  |   Q     V          |          |          |
12+10       1.0050      3.57  |      Q  V          |          |          |
12+15       1.0336      4.16  |       Q |V         |          |          |
12+20       1.0654      4.62  |        Q|V         |          |          |
12+25       1.1018      5.29  |         Q V        |          |          |
12+30       1.1406      5.64  |         |QV        |          |          |
12+35       1.1830      6.16  |         | Q        |          |          |
12+40       1.2329      7.24  |         |  VQ      |          |          |
12+45       1.2862      7.74  |         |   VQ     |          |          |
12+50       1.3424      8.17  |         |   V Q    |          |          |
12+55       1.4031      8.81  |         |    V Q   |          |          |
13+ 0       1.4661      9.15  |         |     V Q  |          |          |
13+ 5       1.5357     10.11  |         |     V   Q          |          |
13+10       1.6219     12.52  |         |      V  |    Q     |          |
13+15       1.7151     13.53  |         |       V |      Q   |          |
13+20       1.8117     14.03  |         |        V|       Q  |          |
13+25       1.9106     14.36  |         |         V       Q  |          |
13+30       2.0112     14.60  |         |           | V      Q|          |
13+35       2.1018     13.15  |         |           | V   Q    |          |
13+40       2.1593      8.36  |         |     Q     |  V       |          |
13+45       2.2046      6.57  |         |   Q       |   V      |          |
13+50       2.2449      5.86  |         |Q          |   V      |          |
13+55       2.2826      5.47  |         Q           |   V      |          |
14+ 0       2.3187      5.25  |         Q           |    V     |          |
14+ 5       2.3581      5.72  |         |Q          |    V     |          |
14+10       2.4096      7.47  |         |   Q       |     V    |          |
14+15       2.4658      8.16  |         |     Q     |     V    |          |
14+20       2.5232      8.34  |         |     Q     |      V   |          |
14+25       2.5793      8.15  |         |     Q     |       V  |          |
14+30       2.6357      8.18  |         |     Q     |       V  |          |
14+35       2.6926      8.27  |         |     Q     |        V|          |
14+40       2.7502      8.36  |         |     Q     |         V          |
14+45       2.8084      8.45  |         |     Q     |         V          |
14+50       2.8662      8.39  |         |     Q     |          |V        |
14+55       2.9214      8.02  |         |     Q     |          |V        |
15+ 0       2.9760      7.92  |         |    Q      |          | V       |
15+ 5       3.0295      7.77  |         |    Q      |          |  V      |
15+10       3.0802      7.36  |         |   Q       |          |  V      |
15+15       3.1301      7.24  |         |   Q       |          |   V     |
15+20       3.1788      7.08  |         |   Q       |          |   V     |
15+25       3.2247      6.66  |         |  Q        |          |    V    |
15+30       3.2696      6.53  |         |  Q        |          |    V    |
15+35       3.3104      5.91  |         |Q          |          |     V   |
15+40       3.3389      4.14  |       Q |           |          |     V   |
15+45       3.3629      3.48  |     Q   |           |          |     V   |
15+50       3.3852      3.24  |     Q   |           |          |      V  |
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15+55       3.4067      3.13  |      Q   |          |          |       V  |
16+ 0       3.4280      3.09  |      Q   |          |          |       V  |
16+ 5       3.4463      2.66  |     Q    |          |          |       V  |
16+10       3.4560      1.41  | Q        |          |          |       V  |
16+15       3.4624      0.92  |Q         |          |          |       V  |
16+20       3.4672      0.70  |Q         |          |          |       V  |
16+25       3.4712      0.58  |Q         |          |          |       V  |
16+30       3.4747      0.51  |Q         |          |          |        V |
16+35       3.4778      0.44  Q          |          |          |        V |
16+40       3.4803      0.37  Q          |          |          |        V |
16+45       3.4825      0.32  Q          |          |          |        V |
16+50       3.4846      0.30  Q          |          |          |        V |
16+55       3.4867      0.30  Q          |          |          |        V |
17+ 0       3.4887      0.30  Q          |          |          |        V |
17+ 5       3.4909      0.32  Q          |          |          |        V |
17+10       3.4937      0.41  Q          |          |          |        V |
17+15       3.4968      0.45  Q          |          |          |        V |
17+20       3.5000      0.46  Q          |          |          |        V |
17+25       3.5032      0.47  Q          |          |          |        V |
17+30       3.5065      0.47  Q          |          |          |        V |
17+35       3.5098      0.48  Q          |          |          |        V |
17+40       3.5131      0.48  Q          |          |          |        V |
17+45       3.5164      0.48  Q          |          |          |        V |
17+50       3.5196      0.47  Q          |          |          |        V |
17+55       3.5226      0.42  Q          |          |          |        V |
18+ 0       3.5254      0.41  Q          |          |          |        V |
18+ 5       3.5281      0.40  Q          |          |          |        V |
18+10       3.5308      0.39  Q          |          |          |        V |
18+15       3.5335      0.39  Q          |          |          |        V |
18+20       3.5362      0.39  Q          |          |          |        V |
18+25       3.5389      0.39  Q          |          |          |        V |
18+30       3.5416      0.39  Q          |          |          |        V |
18+35       3.5441      0.37  Q          |          |          |        V |
18+40       3.5464      0.33  Q          |          |          |        V |
18+45       3.5485      0.31  Q          |          |          |        V |
18+50       3.5505      0.29  Q          |          |          |        V |
18+55       3.5521      0.24  Q          |          |          |        V |
19+ 0       3.5536      0.22  Q          |          |          |        V |
19+ 5       3.5552      0.22  Q          |          |          |        V |
19+10       3.5570      0.26  Q          |          |          |        V |
19+15       3.5589      0.28  Q          |          |          |        V |
19+20       3.5609      0.30  Q          |          |          |        V |
19+25       3.5633      0.34  Q          |          |          |        V |
19+30       3.5658      0.36  Q          |          |          |         V|
19+35       3.5682      0.36  Q          |          |          |         V|
19+40       3.5704      0.32  Q          |          |          |         V|
19+45       3.5725      0.30  Q          |          |          |         V|
19+50       3.5745      0.28  Q          |          |          |         V|
19+55       3.5761      0.24  Q          |          |          |         V|
20+ 0       3.5776      0.22  Q          |          |          |         V|
20+ 5       3.5792      0.22  Q          |          |          |         V|
20+10       3.5810      0.26  Q          |          |          |         V|
20+15       3.5829      0.28  Q          |          |          |         V|
20+20       3.5848      0.28  Q          |          |          |         V|
20+25       3.5868      0.28  Q          |          |          |         V|
20+30       3.5887      0.29  Q          |          |          |         V|
20+35       3.5907      0.29  Q          |          |          |         V|
20+40       3.5927      0.29  Q          |          |          |         V|
20+45       3.5947      0.29  Q          |          |          |         V|
20+50       3.5966      0.28  Q          |          |          |         V|
20+55       3.5982      0.23  Q          |          |          |         V|
21+ 0       3.5996      0.21  Q          |          |          |         V|
21+ 5       3.6012      0.22  Q          |          |          |         V|
21+10       3.6030      0.26  Q          |          |          |         V|
21+15       3.6049      0.28  Q          |          |          |         V|
21+20       3.6067      0.27  Q          |          |          |         V|
21+25       3.6082      0.22  Q          |          |          |         V|
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21+30	3.6097	0.21	Q	|	|	|	V|
21+35	3.6112	0.22	Q	|	|	|	V|
21+40	3.6130	0.26	Q	|	|	|	V|
21+45	3.6149	0.28	Q	|	|	|	V|
21+50	3.6167	0.27	Q	|	|	|	V|
21+55	3.6182	0.22	Q	|	|	|	V|
22+ 0	3.6197	0.21	Q	|	|	|	V|
22+ 5	3.6212	0.22	Q	|	|	|	V|
22+10	3.6230	0.26	Q	|	|	|	V|
22+15	3.6249	0.28	Q	|	|	|	V|
22+20	3.6267	0.27	Q	|	|	|	V|
22+25	3.6282	0.22	Q	|	|	|	V|
22+30	3.6297	0.21	Q	|	|	|	V|
22+35	3.6311	0.20	Q	|	|	|	V|
22+40	3.6324	0.20	Q	|	|	|	V|
22+45	3.6338	0.20	Q	|	|	|	V|
22+50	3.6352	0.20	Q	|	|	|	V|
22+55	3.6365	0.20	Q	|	|	|	V|
23+ 0	3.6378	0.19	Q	|	|	|	V|
23+ 5	3.6392	0.19	Q	|	|	|	V|
23+10	3.6405	0.19	Q	|	|	|	V|
23+15	3.6418	0.19	Q	|	|	|	V|
23+20	3.6432	0.19	Q	|	|	|	V|
23+25	3.6445	0.19	Q	|	|	|	V|
23+30	3.6458	0.19	Q	|	|	|	V|
23+35	3.6472	0.19	Q	|	|	|	V|
23+40	3.6485	0.19	Q	|	|	|	V|
23+45	3.6498	0.19	Q	|	|	|	V|
23+50	3.6512	0.19	Q	|	|	|	V|
23+55	3.6525	0.19	Q	|	|	|	V|
24+ 0	3.6538	0.19	Q	|	|	|	V|
24+ 5	3.6550	0.16	Q	|	|	|	V|
24+10	3.6555	0.07	Q	|	|	|	V|
24+15	3.6557	0.04	Q	|	|	|	V|
24+20	3.6559	0.02	Q	|	|	|	V|
24+25	3.6560	0.01	Q	|	|	|	V|
24+30	3.6561	0.01	Q	|	|	|	V|
24+35	3.6561	0.01	Q	|	|	|	V|
24+40	3.6561	0.00	Q	|	|	|	V|
24+45	3.6561	0.00	Q	|	|	|	V

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/16/21 File: RVEXA1100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- EXISTING UNIT HYDROGRAPH
100 YR-1HR STORM

Drainage Area = 53.70(Ac.) = 0.084 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 53.70(Ac.) = 0.084 Sq. Mi.
Length along longest watercourse = 2145.30(Ft.)
Length along longest watercourse measured to centroid = 1004.00(Ft.)
Length along longest watercourse = 0.406 Mi.
Length along longest watercourse measured to centroid = 0.190 Mi.
Difference in elevation = 460.00(Ft.)
Slope along watercourse = 1132.1493 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.095 Hr.
Lag time = 5.72 Min.
25% of lag time = 1.43 Min.
40% of lag time = 2.29 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	0.55	29.54

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	1.30	69.81

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 1.300(In)
Areal adjustment factor = 99.95 %
Adjusted average point rain = 1.299(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
53.700	83.40	0.000

Total Area Entered = 53.70(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
83.4	93.0	0.090	0.000	0.090	1.000	0.090

Sum (F) = 0.090
Area averaged mean soil loss (F) (In/Hr) = 0.386
Minimum soil loss rate ((In/Hr)) = 0.193
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5500

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	87.371	15.405	8.337
2	0.167	174.742	46.530	25.182
3	0.250	262.113	18.006	9.745
4	0.333	349.484	7.793	4.217
5	0.417	436.854	4.572	2.474
6	0.500	524.225	2.881	1.559
7	0.583	611.596	2.017	1.091
8	0.667	698.967	1.315	0.712
9	0.750	786.338	0.907	0.491
10	0.833	873.709	0.573	0.310
		Sum = 100.000	Sum=	54.120

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	3.30	0.515	0.386	(0.463)	0.128
2	0.17	4.20	0.655	0.386	(0.589)	0.269
3	0.25	4.40	0.686	0.386	(0.617)	0.300
4	0.33	4.80	0.748	0.386	(0.674)	0.362
5	0.42	5.20	0.811	0.386	(0.730)	0.425
6	0.50	6.20	0.967	0.386	(0.870)	0.581
7	0.58	6.80	1.060	0.386	(0.954)	0.674
8	0.67	8.80	1.372	0.386	(1.235)	0.986
9	0.75	13.90	2.167	0.386	(1.951)	1.781
10	0.83	31.40	4.896	0.386	(4.406)	4.510
11	0.92	7.20	1.123	0.386	(1.010)	0.736
12	1.00	3.80	0.593	0.386	(0.533)	0.206
	(Loss Rate Not Used)				
Sum =	100.0				Sum = 11.0

Flood volume = Effective rainfall 0.91(In)
times area 53.7(Ac.)/[(In)/(Ft.)] = 4.1(Ac.Ft)
Total soil loss = 0.39(In)
Total soil loss = 1.728(Ac.Ft)
Total rainfall = 1.30(In)
Flood volume = 178006.2 Cubic Feet
Total soil loss = 75280.8 Cubic Feet

Peak flow rate of this hydrograph = 144.821(CFS)

++

1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

```
    ---------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       50.0     100.0     150.0     200.0
  ---------------------------------------------------------------------
    0+ 5       0.0074      1.07  Q         |         |         |         |
    0+10       0.0451      5.48  VQ        |         |         |         |
    0+15       0.1176     10.52  |VQ       |         |         |         |
    0+20       0.2122     13.74  | Q       |         |         |         |
    0+25       0.3295     17.04  |  Q      |         |         |         |
    0+30       0.4756     21.20  |   Q     |         |         |         |
    0+35       0.6630     27.22  |    QV   |         |         |         |
    0+40       0.9000     34.41  |     Q V |         |         |         |
    0+45       1.2507     50.92  |         Q V       |         |         |
    0+50       1.9245     97.83  |         |       VQ|         |         |
    0+55       2.9219    144.82  |         |         |       Q |         |
    1+ 0       3.4485     76.46  |         |    Q    |         |  V      |
    1+ 5       3.7159     38.83  |      Q  |         |         |     V   |
    1+10       3.8607     21.04  |   Q     |         |         |      V  |
    1+15       3.9495     12.89  | Q       |         |         |       V |
    1+20       4.0084      8.55  |Q        |         |         |        V|
    1+25       4.0464      5.52  |Q        |         |         |        V|
    1+30       4.0706      3.52  Q         |         |         |        V|
    1+35       4.0837      1.91  Q         |         |         |        V|
    1+40       4.0860      0.33  Q         |         |         |        V|
    1+45       4.0865      0.06  Q         |         |         |         V
---------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/16/21 File: RVEXA3100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- EXISTING UNIT HYDROGRAPH
100YR-3HR STORM

Drainage Area = 53.70(Ac.) = 0.084 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 53.70(Ac.) = 0.084 Sq. Mi.
Length along longest watercourse = 2145.30(Ft.)
Length along longest watercourse measured to centroid = 1004.00(Ft.)
Length along longest watercourse = 0.406 Mi.
Length along longest watercourse measured to centroid = 0.190 Mi.
Difference in elevation = 460.00(Ft.)
Slope along watercourse = 1132.1493 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.095 Hr.
Lag time = 5.72 Min.
25% of lag time = 1.43 Min.
40% of lag time = 2.29 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	1.10	59.07

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	2.00	107.40

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 2.000(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
53.700	83.40	0.000

Total Area Entered = 53.70(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      83.4  93.0      0.090     0.000        0.090       1.000      0.090
                                                        Sum (F) =   0.090
      Area averaged mean soil loss (F) (In/Hr) =  0.386
      Minimum soil loss rate ((In/Hr)) =  0.193
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.900
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------------
              1   0.083         87.371         15.405              8.337
              2   0.167        174.742         46.530             25.182
              3   0.250        262.113         18.006              9.745
              4   0.333        349.484          7.793              4.217
              5   0.417        436.854          4.572              2.474
              6   0.500        524.225          2.881              1.559
              7   0.583        611.596          2.017              1.091
              8   0.667        698.967          1.315              0.712
              9   0.750        786.338          0.907              0.491
             10   0.833        873.709          0.573              0.310
                                        Sum = 100.000   Sum=       54.120
    ------------------------------------------------------------------------

     The following loss rate calculations reflect use of the minimum calculated loss
     rate subtracted from the Storm Rain to produce the maximum Effective Rain value

      Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
           (Hr.)  Percent   (In/Hr)          Max   |   Low         (In/Hr)
       1   0.08     1.30      0.312       (  0.386)       0.281        0.031
       2   0.17     1.30      0.312       (  0.386)       0.281        0.031
       3   0.25     1.10      0.264       (  0.386)       0.238        0.026
       4   0.33     1.50      0.360       (  0.386)       0.324        0.036
       5   0.42     1.50      0.360       (  0.386)       0.324        0.036
       6   0.50     1.80      0.432          0.386    (  0.389)        0.046
       7   0.58     1.50      0.360       (  0.386)       0.324        0.036
       8   0.67     1.80      0.432          0.386    (  0.389)        0.046
       9   0.75     1.80      0.432          0.386    (  0.389)        0.046
      10   0.83     1.50      0.360       (  0.386)       0.324        0.036
      11   0.92     1.60      0.384       (  0.386)       0.346        0.038
      12   1.00     1.80      0.432          0.386    (  0.389)        0.046
      13   1.08     2.20      0.528          0.386    (  0.475)        0.142
      14   1.17     2.20      0.528          0.386    (  0.475)        0.142
      15   1.25     2.20      0.528          0.386    (  0.475)        0.142
      16   1.33     2.00      0.480          0.386    (  0.432)        0.094
      17   1.42     2.60      0.624          0.386    (  0.561)        0.238
      18   1.50     2.70      0.648          0.386    (  0.583)        0.262
      19   1.58     2.40      0.576          0.386    (  0.518)        0.190
      20   1.67     2.70      0.648          0.386    (  0.583)        0.262
      21   1.75     3.30      0.792          0.386    (  0.713)        0.406
      22   1.83     3.10      0.744          0.386    (  0.669)        0.358
      23   1.92     2.90      0.696          0.386    (  0.626)        0.310
      24   2.00     3.00      0.720          0.386    (  0.648)        0.334
      25   2.08     3.10      0.744          0.386    (  0.669)        0.358
      26   2.17     4.20      1.008          0.386    (  0.907)        0.622
      27   2.25     5.00      1.200          0.386    (  1.080)        0.814
      28   2.33     3.50      0.840          0.386    (  0.756)        0.454
      29   2.42     6.80      1.632          0.386    (  1.468)        1.245
      30   2.50     7.30      1.752          0.386    (  1.576)        1.365
      31   2.58     8.20      1.968          0.386    (  1.771)        1.581
```

```
32   2.67     5.90      1.416          0.386    (  1.274)        1.029
33   2.75     2.00      0.480          0.386    (  0.432)        0.094
34   2.83     1.80      0.432          0.386    (  0.389)        0.046
35   2.92     1.80      0.432          0.386    (  0.389)        0.046
36   3.00     0.60      0.144       (  0.386)       0.130        0.014
           (Loss Rate Not Used)
   Sum =     100.0                                   Sum =    11.0
     Flood volume = Effective rainfall      0.92(In)
      times area      53.7(Ac.)/[(In)/(Ft.)] =       4.1(Ac.Ft)
     Total soil loss =      1.08(In)
     Total soil loss =     4.847(Ac.Ft)
     Total rainfall =      2.00(In)
     Flood volume =      178644.2 Cubic Feet
     Total soil loss =      211126.2 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     70.582(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        3 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       20.0      40.0      60.0      80.0
-------------------------------------------------------------------------
  0+ 5       0.0018      0.26  Q         |         |         |         |
  0+10       0.0090      1.05  Q         |         |         |         |
  0+15       0.0180      1.31  Q         |         |         |         |
  0+20       0.0277      1.40  Q         |         |         |         |
  0+25       0.0392      1.67  Q         |         |         |         |
  0+30       0.0521      1.88  Q         |         |         |         |
  0+35       0.0666      2.10  VQ        |         |         |         |
  0+40       0.0809      2.07  VQ        |         |         |         |
  0+45       0.0966      2.29  VQ        |         |         |         |
  0+50       0.1125      2.30  |Q        |         |         |         |
  0+55       0.1270      2.11  |Q        |         |         |         |
  1+ 0       0.1419      2.16  |Q        |         |         |         |
  1+ 5       0.1636      3.14  |Q        |         |         |         |
  1+10       0.2024      5.63  |VQ       |         |         |         |
  1+15       0.2477      6.59  | VQ      |         |         |         |
  1+20       0.2933      6.61  | VQ      |         |         |         |
  1+25       0.3404      6.85  |  Q      |         |         |         |
  1+30       0.4118     10.36  |   VQ    |         |         |         |
  1+35       0.4922     11.68  |   VQ    |         |         |         |
  1+40       0.5698     11.26  |    Q    |         |         |         |
  1+45       0.6662     14.00  |     VQ  |         |         |         |
  1+50       0.7894     17.89  |      VQ |         |         |         |
  1+55       0.9132     17.97  |       Q |         |         |         |
  2+ 0       1.0321     17.27  |       Q V         |         |         |
  2+ 5       1.1552     17.87  |       Q |V        |         |         |
  2+10       1.2991     20.90  |         Q V       |         |         |
  2+15       1.5020     29.47  |          |   Q    |         |         |
  2+20       1.7364     34.03  |          |     VQ |         |         |
  2+25       1.9750     34.65  |          |      Q V|         |         |
  2+30       2.3442     53.61  |          |         | V   Q   |         |
  2+35       2.7955     65.52  |          |         |      V  | Q       |
  2+40       3.2816     70.58  |          |         |         | V  Q    |
  2+45       3.6487     53.30  |          |         |     Q   |    V    |
  2+50       3.8296     26.27  |          |  Q      |         |      V  |
  2+55       3.9336     15.11  |       Q  |         |         |       V |
  3+ 0       4.0024      9.98  |   Q      |         |         |         V|
  3+ 5       4.0457      6.29  |  Q       |         |         |         V|
  3+10       4.0726      3.90  |Q         |         |         |         V|
  3+15       4.0883      2.28  |Q         |         |         |         V|
  3+20       4.0967      1.22  Q         |         |         |         V|
  3+25       4.0999      0.47  Q         |         |         |         V|
```

```
    3+30       4.1006      0.10  Q         |         |         |        V|
    3+35       4.1009      0.05  Q         |         |         |        V|
    3+40       4.1011      0.02  Q         |         |         |        V|
    3+45       4.1011      0.00  Q         |         |         |        V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/16/21 File: RVEXA6100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- EXISTING UNIT HYDROGRAPH
100YR-6HR STORM

Drainage Area = 53.70(Ac.) = 0.084 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 53.70(Ac.) = 0.084 Sq. Mi.
Length along longest watercourse = 2145.30(Ft.)
Length along longest watercourse measured to centroid = 1004.00(Ft.)
Length along longest watercourse = 0.406 Mi.
Length along longest watercourse measured to centroid = 0.190 Mi.
Difference in elevation = 460.00(Ft.)
Slope along watercourse = 1132.1493 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.095 Hr.
Lag time = 5.72 Min.
25% of lag time = 1.43 Min.
40% of lag time = 2.29 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	1.60	85.92

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	3.00	161.10

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 3.000(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.999(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
53.700	83.40	0.000

Total Area Entered = 53.70(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      83.4  93.0      0.090     0.000        0.090       1.000      0.090
                                                          Sum (F) =   0.090
      Area averaged mean soil loss (F) (In/Hr) =  0.386
      Minimum soil loss rate ((In/Hr)) =  0.193
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.900
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
              1   0.083         87.371         15.405              8.337
              2   0.167        174.742         46.530             25.182
              3   0.250        262.113         18.006              9.745
              4   0.333        349.484          7.793              4.217
              5   0.417        436.854          4.572              2.474
              6   0.500        524.225          2.881              1.559
              7   0.583        611.596          2.017              1.091
              8   0.667        698.967          1.315              0.712
              9   0.750        786.338          0.907              0.491
             10   0.833        873.709          0.573              0.310
                                      Sum = 100.000   Sum=         54.120
    ------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.50	0.180	(0.386)		0.162	0.018
2	0.17	0.60	0.216	(0.386)		0.194	0.022
3	0.25	0.60	0.216	(0.386)		0.194	0.022
4	0.33	0.60	0.216	(0.386)		0.194	0.022
5	0.42	0.60	0.216	(0.386)		0.194	0.022
6	0.50	0.70	0.252	(0.386)		0.227	0.025
7	0.58	0.70	0.252	(0.386)		0.227	0.025
8	0.67	0.70	0.252	(0.386)		0.227	0.025
9	0.75	0.70	0.252	(0.386)		0.227	0.025
10	0.83	0.70	0.252	(0.386)		0.227	0.025
11	0.92	0.70	0.252	(0.386)		0.227	0.025
12	1.00	0.80	0.288	(0.386)		0.259	0.029
13	1.08	0.80	0.288	(0.386)		0.259	0.029
14	1.17	0.80	0.288	(0.386)		0.259	0.029
15	1.25	0.80	0.288	(0.386)		0.259	0.029
16	1.33	0.80	0.288	(0.386)		0.259	0.029
17	1.42	0.80	0.288	(0.386)		0.259	0.029
18	1.50	0.80	0.288	(0.386)		0.259	0.029
19	1.58	0.80	0.288	(0.386)		0.259	0.029
20	1.67	0.80	0.288	(0.386)		0.259	0.029
21	1.75	0.80	0.288	(0.386)		0.259	0.029
22	1.83	0.80	0.288	(0.386)		0.259	0.029
23	1.92	0.80	0.288	(0.386)		0.259	0.029
24	2.00	0.90	0.324	(0.386)		0.292	0.032
25	2.08	0.80	0.288	(0.386)		0.259	0.029
26	2.17	0.90	0.324	(0.386)		0.292	0.032
27	2.25	0.90	0.324	(0.386)		0.292	0.032
28	2.33	0.90	0.324	(0.386)		0.292	0.032
29	2.42	0.90	0.324	(0.386)		0.292	0.032
30	2.50	0.90	0.324	(0.386)		0.292	0.032
31	2.58	0.90	0.324	(0.386)		0.292	0.032

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32   2.67     0.90      0.324       (  0.386)       0.292        0.032
33   2.75     1.00      0.360       (  0.386)       0.324        0.036
34   2.83     1.00      0.360       (  0.386)       0.324        0.036
35   2.92     1.00      0.360       (  0.386)       0.324        0.036
36   3.00     1.00      0.360       (  0.386)       0.324        0.036
37   3.08     1.00      0.360       (  0.386)       0.324        0.036
38   3.17     1.10      0.396       (  0.386)       0.356        0.040
39   3.25     1.10      0.396       (  0.386)       0.356        0.040
40   3.33     1.10      0.396       (  0.386)       0.356        0.040
41   3.42     1.20      0.432          0.386    (  0.389)       0.046
42   3.50     1.30      0.468          0.386    (  0.421)       0.082
43   3.58     1.40      0.504          0.386    (  0.454)       0.118
44   3.67     1.40      0.504          0.386    (  0.454)       0.118
45   3.75     1.50      0.540          0.386    (  0.486)       0.154
46   3.83     1.50      0.540          0.386    (  0.486)       0.154
47   3.92     1.60      0.576          0.386    (  0.518)       0.190
48   4.00     1.60      0.576          0.386    (  0.518)       0.190
49   4.08     1.70      0.612          0.386    (  0.551)       0.226
50   4.17     1.80      0.648          0.386    (  0.583)       0.262
51   4.25     1.90      0.684          0.386    (  0.615)       0.298
52   4.33     2.00      0.720          0.386    (  0.648)       0.334
53   4.42     2.10      0.756          0.386    (  0.680)       0.370
54   4.50     2.10      0.756          0.386    (  0.680)       0.370
55   4.58     2.20      0.792          0.386    (  0.713)       0.406
56   4.67     2.30      0.828          0.386    (  0.745)       0.442
57   4.75     2.40      0.864          0.386    (  0.777)       0.478
58   4.83     2.40      0.864          0.386    (  0.777)       0.478
59   4.92     2.50      0.900          0.386    (  0.810)       0.514
60   5.00     2.60      0.936          0.386    (  0.842)       0.550
61   5.08     3.10      1.116          0.386    (  1.004)       0.730
62   5.17     3.60      1.296          0.386    (  1.166)       0.910
63   5.25     3.90      1.404          0.386    (  1.263)       1.018
64   5.33     4.20      1.512          0.386    (  1.361)       1.126
65   5.42     4.70      1.692          0.386    (  1.523)       1.305
66   5.50     5.60      2.016          0.386    (  1.814)       1.629
67   5.58     1.90      0.684          0.386    (  0.615)       0.298
68   5.67     0.90      0.324       (  0.386)       0.292        0.032
69   5.75     0.60      0.216       (  0.386)       0.194        0.022
70   5.83     0.50      0.180       (  0.386)       0.162        0.018
71   5.92     0.30      0.108       (  0.386)       0.097        0.011
72   6.00     0.20      0.072       (  0.386)       0.065        0.007
            (Loss Rate Not Used)
   Sum =     100.0                                  Sum =    14.1
     Flood volume = Effective rainfall      1.17(In)
      times area      53.7(Ac.)/[(In)/(Ft.)] =       5.2(Ac.Ft)
     Total soil loss =      1.83(In)
     Total soil loss =     8.177(Ac.Ft)
     Total rainfall =      3.00(In)
     Flood volume =      228496.4 Cubic Feet
     Total soil loss =      356188.7 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     66.541(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       17.5      35.0      52.5      70.0
-------------------------------------------------------------------------
  0+ 5       0.0010      0.15  Q         |         |         |         |
  0+10       0.0054      0.63  Q         |         |         |         |
  0+15       0.0116      0.90  Q         |         |         |         |
  0+20       0.0186      1.01  Q         |         |         |         |
  0+25       0.0259      1.07  Q         |         |         |         |
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0+30       0.0338      1.14  Q          |          |          |          |
0+35       0.0424      1.25  Q          |          |          |          |
0+40       0.0514      1.31  Q          |          |          |          |
0+45       0.0606      1.33  Q          |          |          |          |
0+50       0.0698      1.35  Q          |          |          |          |
0+55       0.0792      1.35  Q          |          |          |          |
1+ 0       0.0887      1.39  Q          |          |          |          |
1+ 5       0.0989      1.48  Q          |          |          |          |
1+10       0.1094      1.52  Q          |          |          |          |
1+15       0.1200      1.54  Q          |          |          |          |
1+20       0.1306      1.54  Q          |          |          |          |
1+25       0.1413      1.55  QV         |          |          |          |
1+30       0.1520      1.55  QV         |          |          |          |
1+35       0.1627      1.56  QV         |          |          |          |
1+40       0.1734      1.56  QV         |          |          |          |
1+45       0.1842      1.56  QV         |          |          |          |
1+50       0.1949      1.56  QV         |          |          |          |
1+55       0.2057      1.56  QV         |          |          |          |
2+ 0       0.2166      1.59  QV         |          |          |          |
2+ 5       0.2280      1.65  QV         |          |          |          |
2+10       0.2391      1.62  QV         |          |          |          |
2+15       0.2508      1.70  QV         |          |          |          |
2+20       0.2627      1.72  Q V        |          |          |          |
2+25       0.2746      1.74  Q V        |          |          |          |
2+30       0.2866      1.74  Q V        |          |          |          |
2+35       0.2987      1.75  Q V        |          |          |          |
2+40       0.3107      1.75  |QV        |          |          |          |
2+45       0.3230      1.78  |QV        |          |          |          |
2+50       0.3359      1.87  |QV        |          |          |          |
2+55       0.3491      1.91  |QV        |          |          |          |
3+ 0       0.3623      1.93  |QV        |          |          |          |
3+ 5       0.3756      1.93  |QV        |          |          |          |
3+10       0.3892      1.97  |QV        |          |          |          |
3+15       0.4034      2.06  |Q V       |          |          |          |
3+20       0.4179      2.10  |Q V       |          |          |          |
3+25       0.4328      2.17  |Q V       |          |          |          |
3+30       0.4510      2.63  |Q V       |          |          |          |
3+35       0.4779      3.91  | QV       |          |          |          |
3+40       0.5137      5.19  | QV       |          |          |          |
3+45       0.5551      6.02  |  QV      |          |          |          |
3+50       0.6045      7.17  |   Q      |          |          |          |
3+55       0.6595      7.98  |   QV     |          |          |          |
4+ 0       0.7224      9.14  |    Q     |          |          |          |
4+ 5       0.7909      9.95  |    QV    |          |          |          |
4+10       0.8695     11.41  |     Q    |          |          |          |
4+15       0.9598     13.12  |      Q   |          |          |          |
4+20       1.0626     14.92  |       Q  |          |          |          |
4+25       1.1782     16.78  |       VQ |          |          |          |
4+30       1.3047     18.37  |        VQ|          |          |          |
4+35       1.4382     19.38  |         VQ          |          |          |
4+40       1.5825     20.96  |          |QV        |          |          |
4+45       1.7391     22.74  |          | QV       |          |          |
4+50       1.9065     24.30  |          |  QV      |          |          |
4+55       2.0807     25.29  |          |   QV     |          |          |
5+ 0       2.2656     26.85  |          |    Q V   |          |          |
5+ 5       2.4710     29.82  |          |      QV  |          |          |
5+10       2.7223     36.49  |          |         Q|          |          |
5+15       3.0253     44.00  |          |          |  V Q     |          |
5+20       3.3720     50.34  |          |          |    V  Q  |          |
5+25       3.7642     56.94  |          |          |       V  | Q        |
5+30       4.2221     66.49  |          |          |          | V    Q   |
5+35       4.6804     66.54  |          |          |          |    V  Q  |
5+40       4.9248     35.48  |          |          Q          |      V   |
5+45       5.0491     18.05  |          Q          |          |       V  |
5+50       5.1246     10.96  |     Q    |          |          |        V |
5+55       5.1740      7.18  |   Q      |          |          |        V |
6+ 0       5.2065      4.72  | Q        |          |          |        V |
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    6+ 5       5.2268      2.94  |Q        |         |         |        V|
    6+10       5.2382      1.65  Q         |         |         |        V|
    6+15       5.2436      0.78  Q         |         |         |        V|
    6+20       5.2448      0.18  Q         |         |         |        V|
    6+25       5.2452      0.06  Q         |         |         |        V|
    6+30       5.2454      0.03  Q         |         |         |        V|
    6+35       5.2455      0.02  Q         |         |         |        V|
    6+40       5.2455      0.01  Q         |         |         |        V|
    6+45       5.2456      0.00  Q         |         |         |        V|
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/16/21 File: RVEXA24100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- EXISTING UNIT HYDROGRAPH
100YR-24HR STORM

Drainage Area = 53.70(Ac.) = 0.084 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 53.70(Ac.) = 0.084 Sq. Mi.
Length along longest watercourse = 2145.30(Ft.)
Length along longest watercourse measured to centroid = 1004.00(Ft.)
Length along longest watercourse = 0.406 Mi.
Length along longest watercourse measured to centroid = 0.190 Mi.
Difference in elevation = 460.00(Ft.)
Slope along watercourse = 1132.1493 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.095 Hr.
Lag time = 5.72 Min.
25% of lag time = 1.43 Min.
40% of lag time = 2.29 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	2.70	144.99

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	7.00	375.90

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 7.000(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 6.999(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
53.700	83.40	0.000

Total Area Entered = 53.70(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
83.4	93.0	0.090	0.000	0.090	1.000	0.090

Sum (F) = 0.090

Area averaged mean soil loss (F) (In/Hr) = 0.386
Minimum soil loss rate ((In/Hr)) = 0.193
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	87.371	15.405	8.337
2	0.167	174.742	46.530	25.182
3	0.250	262.113	18.006	9.745
4	0.333	349.484	7.793	4.217
5	0.417	436.854	4.572	2.474
6	0.500	524.225	2.881	1.559
7	0.583	611.596	2.017	1.091
8	0.667	698.967	1.315	0.712
9	0.750	786.338	0.907	0.491
10	0.833	873.709	0.573	0.310
		Sum = 100.000	Sum=	54.120

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.056	(0.685)	0.050	0.006
2	0.17	0.07	0.056	(0.682)	0.050	0.006
3	0.25	0.07	0.056	(0.679)	0.050	0.006
4	0.33	0.10	0.084	(0.677)	0.076	0.008
5	0.42	0.10	0.084	(0.674)	0.076	0.008
6	0.50	0.10	0.084	(0.671)	0.076	0.008
7	0.58	0.10	0.084	(0.669)	0.076	0.008
8	0.67	0.10	0.084	(0.666)	0.076	0.008
9	0.75	0.10	0.084	(0.664)	0.076	0.008
10	0.83	0.13	0.112	(0.661)	0.101	0.011
11	0.92	0.13	0.112	(0.658)	0.101	0.011
12	1.00	0.13	0.112	(0.656)	0.101	0.011
13	1.08	0.10	0.084	(0.653)	0.076	0.008
14	1.17	0.10	0.084	(0.651)	0.076	0.008
15	1.25	0.10	0.084	(0.648)	0.076	0.008
16	1.33	0.10	0.084	(0.645)	0.076	0.008
17	1.42	0.10	0.084	(0.643)	0.076	0.008
18	1.50	0.10	0.084	(0.640)	0.076	0.008
19	1.58	0.10	0.084	(0.638)	0.076	0.008
20	1.67	0.10	0.084	(0.635)	0.076	0.008
21	1.75	0.10	0.084	(0.633)	0.076	0.008
22	1.83	0.13	0.112	(0.630)	0.101	0.011
23	1.92	0.13	0.112	(0.628)	0.101	0.011
24	2.00	0.13	0.112	(0.625)	0.101	0.011
25	2.08	0.13	0.112	(0.622)	0.101	0.011
26	2.17	0.13	0.112	(0.620)	0.101	0.011
27	2.25	0.13	0.112	(0.617)	0.101	0.011
28	2.33	0.13	0.112	(0.615)	0.101	0.011
29	2.42	0.13	0.112	(0.612)	0.101	0.011
30	2.50	0.13	0.112	(0.610)	0.101	0.011
31	2.58	0.17	0.140	(0.607)	0.126	0.014
32	2.67	0.17	0.140	(0.605)	0.126	0.014

33	2.75	0.17	0.140	(0.602)	0.126	0.014
34	2.83	0.17	0.140	(0.600)	0.126	0.014
35	2.92	0.17	0.140	(0.597)	0.126	0.014
36	3.00	0.17	0.140	(0.595)	0.126	0.014
37	3.08	0.17	0.140	(0.593)	0.126	0.014
38	3.17	0.17	0.140	(0.590)	0.126	0.014
39	3.25	0.17	0.140	(0.588)	0.126	0.014
40	3.33	0.17	0.140	(0.585)	0.126	0.014
41	3.42	0.17	0.140	(0.583)	0.126	0.014
42	3.50	0.17	0.140	(0.580)	0.126	0.014
43	3.58	0.17	0.140	(0.578)	0.126	0.014
44	3.67	0.17	0.140	(0.575)	0.126	0.014
45	3.75	0.17	0.140	(0.573)	0.126	0.014
46	3.83	0.20	0.168	(0.571)	0.151	0.017
47	3.92	0.20	0.168	(0.568)	0.151	0.017
48	4.00	0.20	0.168	(0.566)	0.151	0.017
49	4.08	0.20	0.168	(0.563)	0.151	0.017
50	4.17	0.20	0.168	(0.561)	0.151	0.017
51	4.25	0.20	0.168	(0.559)	0.151	0.017
52	4.33	0.23	0.196	(0.556)	0.176	0.020
53	4.42	0.23	0.196	(0.554)	0.176	0.020
54	4.50	0.23	0.196	(0.551)	0.176	0.020
55	4.58	0.23	0.196	(0.549)	0.176	0.020
56	4.67	0.23	0.196	(0.547)	0.176	0.020
57	4.75	0.23	0.196	(0.544)	0.176	0.020
58	4.83	0.27	0.224	(0.542)	0.202	0.022
59	4.92	0.27	0.224	(0.540)	0.202	0.022
60	5.00	0.27	0.224	(0.537)	0.202	0.022
61	5.08	0.20	0.168	(0.535)	0.151	0.017
62	5.17	0.20	0.168	(0.533)	0.151	0.017
63	5.25	0.20	0.168	(0.530)	0.151	0.017
64	5.33	0.23	0.196	(0.528)	0.176	0.020
65	5.42	0.23	0.196	(0.526)	0.176	0.020
66	5.50	0.23	0.196	(0.523)	0.176	0.020
67	5.58	0.27	0.224	(0.521)	0.202	0.022
68	5.67	0.27	0.224	(0.519)	0.202	0.022
69	5.75	0.27	0.224	(0.517)	0.202	0.022
70	5.83	0.27	0.224	(0.514)	0.202	0.022
71	5.92	0.27	0.224	(0.512)	0.202	0.022
72	6.00	0.27	0.224	(0.510)	0.202	0.022
73	6.08	0.30	0.252	(0.508)	0.227	0.025
74	6.17	0.30	0.252	(0.505)	0.227	0.025
75	6.25	0.30	0.252	(0.503)	0.227	0.025
76	6.33	0.30	0.252	(0.501)	0.227	0.025
77	6.42	0.30	0.252	(0.499)	0.227	0.025
78	6.50	0.30	0.252	(0.496)	0.227	0.025
79	6.58	0.33	0.280	(0.494)	0.252	0.028
80	6.67	0.33	0.280	(0.492)	0.252	0.028
81	6.75	0.33	0.280	(0.490)	0.252	0.028
82	6.83	0.33	0.280	(0.487)	0.252	0.028
83	6.92	0.33	0.280	(0.485)	0.252	0.028
84	7.00	0.33	0.280	(0.483)	0.252	0.028
85	7.08	0.33	0.280	(0.481)	0.252	0.028
86	7.17	0.33	0.280	(0.479)	0.252	0.028
87	7.25	0.33	0.280	(0.476)	0.252	0.028
88	7.33	0.37	0.308	(0.474)	0.277	0.031
89	7.42	0.37	0.308	(0.472)	0.277	0.031
90	7.50	0.37	0.308	(0.470)	0.277	0.031
91	7.58	0.40	0.336	(0.468)	0.302	0.034
92	7.67	0.40	0.336	(0.466)	0.302	0.034
93	7.75	0.40	0.336	(0.463)	0.302	0.034
94	7.83	0.43	0.364	(0.461)	0.328	0.036
95	7.92	0.43	0.364	(0.459)	0.328	0.036
96	8.00	0.43	0.364	(0.457)	0.328	0.036
97	8.08	0.50	0.420	(0.455)	0.378	0.042
98	8.17	0.50	0.420	(0.453)	0.378	0.042
99	8.25	0.50	0.420	(0.451)	0.378	0.042

100	8.33	0.50	0.420	(	0.449)	0.378		0.042
101	8.42	0.50	0.420	(	0.446)	0.378		0.042
102	8.50	0.50	0.420	(	0.444)	0.378		0.042
103	8.58	0.53	0.448	(	0.442)	0.403		0.045
104	8.67	0.53	0.448	(	0.440)	0.403		0.045
105	8.75	0.53	0.448	(	0.438)	0.403		0.045
106	8.83	0.57	0.476	(	0.436)	0.428		0.048
107	8.92	0.57	0.476	(	0.434)	0.428		0.048
108	9.00	0.57	0.476	(	0.432)	0.428		0.048
109	9.08	0.63	0.532		0.430	(	0.479)	0.102
110	9.17	0.63	0.532		0.428	(	0.479)	0.104
111	9.25	0.63	0.532		0.426	(	0.479)	0.106
112	9.33	0.67	0.560		0.424	(	0.504)	0.136
113	9.42	0.67	0.560		0.422	(	0.504)	0.138
114	9.50	0.67	0.560		0.420	(	0.504)	0.140
115	9.58	0.70	0.588		0.418	(	0.529)	0.170
116	9.67	0.70	0.588		0.416	(	0.529)	0.172
117	9.75	0.70	0.588		0.414	(	0.529)	0.174
118	9.83	0.73	0.616		0.412	(	0.554)	0.204
119	9.92	0.73	0.616		0.410	(	0.554)	0.206
120	10.00	0.73	0.616		0.408	(	0.554)	0.208
121	10.08	0.50	0.420	(	0.406)	0.378		0.042
122	10.17	0.50	0.420	(	0.404)	0.378		0.042
123	10.25	0.50	0.420	(	0.402)	0.378		0.042
124	10.33	0.50	0.420	(	0.400)	0.378		0.042
125	10.42	0.50	0.420	(	0.398)	0.378		0.042
126	10.50	0.50	0.420	(	0.396)	0.378		0.042
127	10.58	0.67	0.560		0.394	(	0.504)	0.166
128	10.67	0.67	0.560		0.392	(	0.504)	0.168
129	10.75	0.67	0.560		0.390	(	0.504)	0.170
130	10.83	0.67	0.560		0.388	(	0.504)	0.172
131	10.92	0.67	0.560		0.386	(	0.504)	0.173
132	11.00	0.67	0.560		0.385	(	0.504)	0.175
133	11.08	0.63	0.532		0.383	(	0.479)	0.149
134	11.17	0.63	0.532		0.381	(	0.479)	0.151
135	11.25	0.63	0.532		0.379	(	0.479)	0.153
136	11.33	0.63	0.532		0.377	(	0.479)	0.155
137	11.42	0.63	0.532		0.375	(	0.479)	0.157
138	11.50	0.63	0.532		0.373	(	0.479)	0.159
139	11.58	0.57	0.476		0.371	(	0.428)	0.104
140	11.67	0.57	0.476		0.370	(	0.428)	0.106
141	11.75	0.57	0.476		0.368	(	0.428)	0.108
142	11.83	0.60	0.504		0.366	(	0.454)	0.138
143	11.92	0.60	0.504		0.364	(	0.454)	0.140
144	12.00	0.60	0.504		0.362	(	0.454)	0.142
145	12.08	0.83	0.700		0.361	(	0.630)	0.339
146	12.17	0.83	0.700		0.359	(	0.630)	0.341
147	12.25	0.83	0.700		0.357	(	0.630)	0.343
148	12.33	0.87	0.728		0.355	(	0.655)	0.373
149	12.42	0.87	0.728		0.353	(	0.655)	0.375
150	12.50	0.87	0.728		0.352	(	0.655)	0.376
151	12.58	0.93	0.784		0.350	(	0.706)	0.434
152	12.67	0.93	0.784		0.348	(	0.706)	0.436
153	12.75	0.93	0.784		0.346	(	0.706)	0.438
154	12.83	0.97	0.812		0.345	(	0.731)	0.467
155	12.92	0.97	0.812		0.343	(	0.731)	0.469
156	13.00	0.97	0.812		0.341	(	0.731)	0.471
157	13.08	1.13	0.952		0.339	(	0.857)	0.613
158	13.17	1.13	0.952		0.338	(	0.857)	0.614
159	13.25	1.13	0.952		0.336	(	0.857)	0.616
160	13.33	1.13	0.952		0.334	(	0.857)	0.618
161	13.42	1.13	0.952		0.332	(	0.857)	0.619
162	13.50	1.13	0.952		0.331	(	0.857)	0.621
163	13.58	0.77	0.644		0.329	(	0.580)	0.315
164	13.67	0.77	0.644		0.327	(	0.580)	0.317
165	13.75	0.77	0.644		0.326	(	0.580)	0.318
166	13.83	0.77	0.644		0.324	(	0.580)	0.320

167	13.92	0.77	0.644	0.322	(	0.580)	0.321
168	14.00	0.77	0.644	0.321	(	0.580)	0.323
169	14.08	0.90	0.756	0.319	(	0.680)	0.437
170	14.17	0.90	0.756	0.318	(	0.680)	0.438
171	14.25	0.90	0.756	0.316	(	0.680)	0.440
172	14.33	0.87	0.728	0.314	(	0.655)	0.414
173	14.42	0.87	0.728	0.313	(	0.655)	0.415
174	14.50	0.87	0.728	0.311	(	0.655)	0.417
175	14.58	0.87	0.728	0.309	(	0.655)	0.418
176	14.67	0.87	0.728	0.308	(	0.655)	0.420
177	14.75	0.87	0.728	0.306	(	0.655)	0.422
178	14.83	0.83	0.700	0.305	(	0.630)	0.395
179	14.92	0.83	0.700	0.303	(	0.630)	0.397
180	15.00	0.83	0.700	0.302	(	0.630)	0.398
181	15.08	0.80	0.672	0.300	(	0.605)	0.372
182	15.17	0.80	0.672	0.299	(	0.605)	0.373
183	15.25	0.80	0.672	0.297	(	0.605)	0.375
184	15.33	0.77	0.644	0.295	(	0.580)	0.348
185	15.42	0.77	0.644	0.294	(	0.580)	0.350
186	15.50	0.77	0.644	0.292	(	0.580)	0.351
187	15.58	0.63	0.532	0.291	(	0.479)	0.241
188	15.67	0.63	0.532	0.289	(	0.479)	0.242
189	15.75	0.63	0.532	0.288	(	0.479)	0.244
190	15.83	0.63	0.532	0.287	(	0.479)	0.245
191	15.92	0.63	0.532	0.285	(	0.479)	0.247
192	16.00	0.63	0.532	0.284	(	0.479)	0.248
193	16.08	0.13	0.112	(0.282)		0.101	0.011
194	16.17	0.13	0.112	(0.281)		0.101	0.011
195	16.25	0.13	0.112	(0.279)		0.101	0.011
196	16.33	0.13	0.112	(0.278)		0.101	0.011
197	16.42	0.13	0.112	(0.276)		0.101	0.011
198	16.50	0.13	0.112	(0.275)		0.101	0.011
199	16.58	0.10	0.084	(0.274)		0.076	0.008
200	16.67	0.10	0.084	(0.272)		0.076	0.008
201	16.75	0.10	0.084	(0.271)		0.076	0.008
202	16.83	0.10	0.084	(0.269)		0.076	0.008
203	16.92	0.10	0.084	(0.268)		0.076	0.008
204	17.00	0.10	0.084	(0.267)		0.076	0.008
205	17.08	0.17	0.140	(0.265)		0.126	0.014
206	17.17	0.17	0.140	(0.264)		0.126	0.014
207	17.25	0.17	0.140	(0.263)		0.126	0.014
208	17.33	0.17	0.140	(0.261)		0.126	0.014
209	17.42	0.17	0.140	(0.260)		0.126	0.014
210	17.50	0.17	0.140	(0.259)		0.126	0.014
211	17.58	0.17	0.140	(0.258)		0.126	0.014
212	17.67	0.17	0.140	(0.256)		0.126	0.014
213	17.75	0.17	0.140	(0.255)		0.126	0.014
214	17.83	0.13	0.112	(0.254)		0.101	0.011
215	17.92	0.13	0.112	(0.252)		0.101	0.011
216	18.00	0.13	0.112	(0.251)		0.101	0.011
217	18.08	0.13	0.112	(0.250)		0.101	0.011
218	18.17	0.13	0.112	(0.249)		0.101	0.011
219	18.25	0.13	0.112	(0.248)		0.101	0.011
220	18.33	0.13	0.112	(0.246)		0.101	0.011
221	18.42	0.13	0.112	(0.245)		0.101	0.011
222	18.50	0.13	0.112	(0.244)		0.101	0.011
223	18.58	0.10	0.084	(0.243)		0.076	0.008
224	18.67	0.10	0.084	(0.242)		0.076	0.008
225	18.75	0.10	0.084	(0.240)		0.076	0.008
226	18.83	0.07	0.056	(0.239)		0.050	0.006
227	18.92	0.07	0.056	(0.238)		0.050	0.006
228	19.00	0.07	0.056	(0.237)		0.050	0.006
229	19.08	0.10	0.084	(0.236)		0.076	0.008
230	19.17	0.10	0.084	(0.235)		0.076	0.008
231	19.25	0.10	0.084	(0.234)		0.076	0.008
232	19.33	0.13	0.112	(0.233)		0.101	0.011
233	19.42	0.13	0.112	(0.231)		0.101	0.011

234	19.50	0.13	0.112	(0.230)	0.101	0.011
235	19.58	0.10	0.084	(0.229)	0.076	0.008
236	19.67	0.10	0.084	(0.228)	0.076	0.008
237	19.75	0.10	0.084	(0.227)	0.076	0.008
238	19.83	0.07	0.056	(0.226)	0.050	0.006
239	19.92	0.07	0.056	(0.225)	0.050	0.006
240	20.00	0.07	0.056	(0.224)	0.050	0.006
241	20.08	0.10	0.084	(0.223)	0.076	0.008
242	20.17	0.10	0.084	(0.222)	0.076	0.008
243	20.25	0.10	0.084	(0.221)	0.076	0.008
244	20.33	0.10	0.084	(0.220)	0.076	0.008
245	20.42	0.10	0.084	(0.219)	0.076	0.008
246	20.50	0.10	0.084	(0.218)	0.076	0.008
247	20.58	0.10	0.084	(0.218)	0.076	0.008
248	20.67	0.10	0.084	(0.217)	0.076	0.008
249	20.75	0.10	0.084	(0.216)	0.076	0.008
250	20.83	0.07	0.056	(0.215)	0.050	0.006
251	20.92	0.07	0.056	(0.214)	0.050	0.006
252	21.00	0.07	0.056	(0.213)	0.050	0.006
253	21.08	0.10	0.084	(0.212)	0.076	0.008
254	21.17	0.10	0.084	(0.211)	0.076	0.008
255	21.25	0.10	0.084	(0.211)	0.076	0.008
256	21.33	0.07	0.056	(0.210)	0.050	0.006
257	21.42	0.07	0.056	(0.209)	0.050	0.006
258	21.50	0.07	0.056	(0.208)	0.050	0.006
259	21.58	0.10	0.084	(0.208)	0.076	0.008
260	21.67	0.10	0.084	(0.207)	0.076	0.008
261	21.75	0.10	0.084	(0.206)	0.076	0.008
262	21.83	0.07	0.056	(0.205)	0.050	0.006
263	21.92	0.07	0.056	(0.205)	0.050	0.006
264	22.00	0.07	0.056	(0.204)	0.050	0.006
265	22.08	0.10	0.084	(0.203)	0.076	0.008
266	22.17	0.10	0.084	(0.203)	0.076	0.008
267	22.25	0.10	0.084	(0.202)	0.076	0.008
268	22.33	0.07	0.056	(0.201)	0.050	0.006
269	22.42	0.07	0.056	(0.201)	0.050	0.006
270	22.50	0.07	0.056	(0.200)	0.050	0.006
271	22.58	0.07	0.056	(0.200)	0.050	0.006
272	22.67	0.07	0.056	(0.199)	0.050	0.006
273	22.75	0.07	0.056	(0.198)	0.050	0.006
274	22.83	0.07	0.056	(0.198)	0.050	0.006
275	22.92	0.07	0.056	(0.197)	0.050	0.006
276	23.00	0.07	0.056	(0.197)	0.050	0.006
277	23.08	0.07	0.056	(0.196)	0.050	0.006
278	23.17	0.07	0.056	(0.196)	0.050	0.006
279	23.25	0.07	0.056	(0.196)	0.050	0.006
280	23.33	0.07	0.056	(0.195)	0.050	0.006
281	23.42	0.07	0.056	(0.195)	0.050	0.006
282	23.50	0.07	0.056	(0.194)	0.050	0.006
283	23.58	0.07	0.056	(0.194)	0.050	0.006
284	23.67	0.07	0.056	(0.194)	0.050	0.006
285	23.75	0.07	0.056	(0.194)	0.050	0.006
286	23.83	0.07	0.056	(0.193)	0.050	0.006
287	23.92	0.07	0.056	(0.193)	0.050	0.006
288	24.00	0.07	0.056	(0.193)	0.050	0.006

(Loss Rate Not Used)

Sum = 100.0 Sum = 27.0

Flood volume = Effective rainfall 2.25(In)
times area 53.7(Ac.)/[(In)/(Ft.)] = 10.1(Ac.Ft)
Total soil loss = 4.75(In)
Total soil loss = 21.259(Ac.Ft)
Total rainfall = 7.00(In)
Flood volume = 438324.7 Cubic Feet
Total soil loss = 926049.2 Cubic Feet

Peak flow rate of this hydrograph = 33.100(CFS)

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24 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	10.0	20.0	30.0	40.0
0+ 5	0.0003	0.05	Q				
0+10	0.0016	0.19	Q				
0+15	0.0033	0.24	Q				
0+20	0.0053	0.29	Q				
0+25	0.0079	0.37	Q				
0+30	0.0107	0.41	Q				
0+35	0.0136	0.43	Q				
0+40	0.0166	0.44	Q				
0+45	0.0197	0.45	Q				
0+50	0.0230	0.47	Q				
0+55	0.0267	0.55	Q				
1+ 0	0.0307	0.58	Q				
1+ 5	0.0346	0.56	Q				
1+10	0.0380	0.50	Q				
1+15	0.0413	0.48	Q				
1+20	0.0446	0.47	Q				
1+25	0.0478	0.46	Q				
1+30	0.0509	0.46	Q				
1+35	0.0541	0.46	Q				
1+40	0.0572	0.46	Q				
1+45	0.0604	0.46	Q				
1+50	0.0637	0.48	Q				
1+55	0.0674	0.55	Q				
2+ 0	0.0714	0.58	Q				
2+ 5	0.0755	0.59	Q				
2+10	0.0796	0.59	Q				
2+15	0.0837	0.60	Q				
2+20	0.0878	0.60	Q				
2+25	0.0920	0.60	Q				
2+30	0.0962	0.61	Q				
2+35	0.1005	0.63	Q				
2+40	0.1053	0.70	Q				
2+45	0.1103	0.73	Q				
2+50	0.1154	0.74	Q				
2+55	0.1206	0.75	Q				
3+ 0	0.1257	0.75	Q				
3+ 5	0.1309	0.75	Q				
3+10	0.1361	0.76	Q				
3+15	0.1413	0.76	Q				
3+20	0.1466	0.76	Q				
3+25	0.1518	0.76	Q				
3+30	0.1570	0.76	Q				
3+35	0.1622	0.76	Q				
3+40	0.1674	0.76	Q				
3+45	0.1727	0.76	Q				
3+50	0.1781	0.78	Q				
3+55	0.1839	0.85	Q				
4+ 0	0.1900	0.88	Q				
4+ 5	0.1961	0.89	Q				
4+10	0.2023	0.90	Q				
4+15	0.2085	0.90	Q				
4+20	0.2149	0.93	Q				
4+25	0.2218	1.00	VQ				
4+30	0.2289	1.03	VQ				
4+35	0.2361	1.04	VQ				
4+40	0.2433	1.05	VQ				
4+45	0.2506	1.05	VQ				
4+50	0.2580	1.08	|Q				

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 4+55       0.2659      1.15  |Q        |         |         |         |
 5+ 0       0.2741      1.18  |Q        |         |         |         |
 5+ 5       0.2820      1.15  |Q        |         |         |         |
 5+10       0.2890      1.01  |Q        |         |         |         |
 5+15       0.2956      0.96  QV        |         |         |         |
 5+20       0.3022      0.97  QV        |         |         |         |
 5+25       0.3093      1.02  |Q        |         |         |         |
 5+30       0.3165      1.04  |Q        |         |         |         |
 5+35       0.3239      1.07  |Q        |         |         |         |
 5+40       0.3318      1.15  |Q        |         |         |         |
 5+45       0.3399      1.18  |Q        |         |         |         |
 5+50       0.3481      1.19  |Q        |         |         |         |
 5+55       0.3564      1.20  |Q        |         |         |         |
 6+ 0       0.3646      1.20  |Q        |         |         |         |
 6+ 5       0.3731      1.23  |Q        |         |         |         |
 6+10       0.3821      1.30  |Q        |         |         |         |
 6+15       0.3913      1.33  |Q        |         |         |         |
 6+20       0.4006      1.35  |Q        |         |         |         |
 6+25       0.4099      1.35  |Q        |         |         |         |
 6+30       0.4192      1.36  |Q        |         |         |         |
 6+35       0.4288      1.38  |Q        |         |         |         |
 6+40       0.4388      1.46  |Q        |         |         |         |
 6+45       0.4490      1.48  |Q        |         |         |         |
 6+50       0.4593      1.50  |Q        |         |         |         |
 6+55       0.4697      1.50  |Q        |         |         |         |
 7+ 0       0.4801      1.51  |Q        |         |         |         |
 7+ 5       0.4905      1.51  |Q        |         |         |         |
 7+10       0.5009      1.51  |Q        |         |         |         |
 7+15       0.5113      1.52  |QV       |         |         |         |
 7+20       0.5219      1.54  |QV       |         |         |         |
 7+25       0.5330      1.61  |QV       |         |         |         |
 7+30       0.5443      1.64  |QV       |         |         |         |
 7+35       0.5558      1.67  |QV       |         |         |         |
 7+40       0.5679      1.75  |QV       |         |         |         |
 7+45       0.5801      1.78  |QV       |         |         |         |
 7+50       0.5927      1.82  |QV       |         |         |         |
 7+55       0.6058      1.90  |QV       |         |         |         |
 8+ 0       0.6191      1.93  |QV       |         |         |         |
 8+ 5       0.6328      1.99  |QV       |         |         |         |
 8+10       0.6476      2.14  | Q       |         |         |         |
 8+15       0.6628      2.20  | Q       |         |         |         |
 8+20       0.6781      2.23  | Q       |         |         |         |
 8+25       0.6936      2.25  | Q       |         |         |         |
 8+30       0.7092      2.26  | Q       |         |         |         |
 8+35       0.7249      2.29  | Q       |         |         |         |
 8+40       0.7412      2.36  | Q       |         |         |         |
 8+45       0.7577      2.39  | QV      |         |         |         |
 8+50       0.7744      2.43  | QV      |         |         |         |
 8+55       0.7917      2.51  | QV      |         |         |         |
 9+ 0       0.8092      2.54  | QV      |         |         |         |
 9+ 5       0.8299      3.01  |  Q      |         |         |         |
 9+10       0.8603      4.41  |  VQ     |         |         |         |
 9+15       0.8948      5.01  |  V Q    |         |         |         |
 9+20       0.9331      5.57  |  V Q    |         |         |         |
 9+25       0.9779      6.50  |  V  Q   |         |         |         |
 9+30       1.0258      6.96  |   V Q   |         |         |         |
 9+35       1.0774      7.48  |   V  Q  |         |         |         |
 9+40       1.1352      8.40  |   V   Q |         |         |         |
 9+45       1.1962      8.85  |   V   Q |         |         |         |
 9+50       1.2606      9.36  |    V   Q|         |         |         |
 9+55       1.3313     10.26  |    V    Q         |         |         |
10+ 0       1.4049     10.70  |    V    Q         |         |         |
10+ 5       1.4708      9.56  |    V   Q|         |         |         |
10+10       1.5087      5.51  |    Q    |         |         |         |
10+15       1.5360      3.96  |  Q  V   |         |         |         |
10+20       1.5588      3.32  |  Q  V   |         |         |         |
10+25       1.5790      2.93  | Q   V   |         |         |         |
```

```
10+30       1.5976      2.69  | Q   V   |          |          |          |
10+35       1.6221      3.56  |  Q  V   |          |          |          |
10+40       1.6674      6.57  |     Q   |          |          |          |
10+45       1.7208      7.76  |     VQ  |          |          |          |
10+50       1.7781      8.32  |      VQ |          |          |          |
10+55       1.8381      8.72  |      VQ |          |          |          |
11+ 0       1.9002      9.00  |      V Q|          |          |          |
11+ 5       1.9622      9.00  |      V Q|          |          |          |
11+10       2.0206      8.49  |       Q |          |          |          |
11+15       2.0783      8.38  |       Q |          |          |          |
11+20       2.1361      8.40  |       Q |          |          |          |
11+25       2.1942      8.43  |       Q |          |          |          |
11+30       2.2526      8.49  |       Q |          |          |          |
11+35       2.3084      8.09  |       QV|          |          |          |
11+40       2.3549      6.76  |     Q  V|          |          |          |
11+45       2.3983      6.30  |     Q  V|          |          |          |
11+50       2.4423      6.39  |     Q  V|          |          |          |
11+55       2.4909      7.06  |      Q V|          |          |          |
12+ 0       2.5415      7.34  |      Q  V          |          |          |
12+ 5       2.6044      9.13  |        QV          |          |          |
12+10       2.7021     14.20  |         V   Q      |          |          |
12+15       2.8139     16.22  |         |V    Q    |          |          |
12+20       2.9336     17.39  |         |V     Q   |          |          |
12+25       3.0624     18.70  |         | V     Q  |          |          |
12+30       3.1960     19.39  |         | V      Q|          |          |
12+35       3.3357     20.29  |         |  V      Q          |          |
12+40       3.4873     22.01  |         |  V      | Q        |          |
12+45       3.6443     22.79  |         |   V     | Q        |          |
12+50       3.8058     23.45  |         |    V    |  Q       |          |
12+55       3.9739     24.41  |         |    V    |   Q      |          |
13+ 0       4.1452     24.88  |         |     V   |   Q      |          |
13+ 5       4.3265     26.33  |         |      V  |     Q    |          |
13+10       4.5335     30.06  |         |       V |          Q          |
13+15       4.7510     31.58  |         |       V |          |Q         |
13+20       4.9736     32.32  |         |        V|          | Q        |
13+25       5.1993     32.78  |         |         V          | Q        |
13+30       5.4273     33.10  |         |         |V         |  Q       |
13+35       5.6393     30.78  |         |         | V        Q          |
13+40       5.7992     23.22  |         |         |  Q       |          |
13+45       5.9395     20.37  |         |         Q  V       |          |
13+50       6.0718     19.21  |         |        Q|   V      |          |
13+55       6.1994     18.54  |         |       Q |   V      |          |
14+ 0       6.3244     18.15  |         |       Q |    V     |          |
14+ 5       6.4541     18.83  |         |       Q |    V     |          |
14+10       6.6023     21.52  |         |         |Q    V    |          |
14+15       6.7577     22.55  |         |         | Q   V    |          |
14+20       6.9146     22.78  |         |         | Q    V   |          |
14+25       7.0692     22.44  |         |         | Q     V  |          |
14+30       7.2237     22.43  |         |         | Q     V  |          |
14+35       7.3788     22.52  |         |         | Q      V|          |
14+40       7.5346     22.62  |         |         | Q      V|          |
14+45       7.6910     22.72  |         |         | Q       V          |
14+50       7.8465     22.58  |         |         | Q       |V         |
14+55       7.9976     21.94  |         |         |Q        |V         |
15+ 0       8.1473     21.73  |         |         |Q        | V        |
15+ 5       8.2951     21.46  |         |         |Q        | V        |
15+10       8.4381     20.77  |         |         Q         |  V       |
15+15       8.5795     20.53  |         |         Q         |   V      |
15+20       8.7189     20.24  |         |         Q         |   V      |
15+25       8.8533     19.52  |         |        Q|         |    V     |
15+30       8.9861     19.28  |         |        Q|         |    V     |
15+35       9.1119     18.27  |         |       Q |         |     V    |
15+40       9.2182     15.44  |         |    Q    |         |     V    |
15+45       9.3171     14.37  |         |   Q     |         |      V   |
15+50       9.4131     13.94  |         |  Q      |         |      V   |
15+55       9.5076     13.72  |         |  Q      |         |      V   |
16+ 0       9.6013     13.61  |         |  Q      |         |       V  |
```

```
16+ 5       9.6810     11.57  |          |Q         |          |         V |
16+10       9.7192      5.54  |     Q    |          |          |         V |
16+15       9.7412      3.19  |   Q      |          |          |         V |
16+20       9.7561      2.17  |  Q       |          |          |         V |
16+25       9.7670      1.59  |Q         |          |          |         V |
16+30       9.7754      1.22  |Q         |          |          |         V |
16+35       9.7819      0.94  Q          |          |          |         V |
16+40       9.7868      0.70  Q          |          |          |         V |
16+45       9.7906      0.56  Q          |          |          |         V |
16+50       9.7939      0.47  Q          |          |          |         V |
16+55       9.7971      0.47  Q          |          |          |         V |
17+ 0       9.8003      0.46  Q          |          |          |         V |
17+ 5       9.8037      0.51  Q          |          |          |         V |
17+10       9.8082      0.64  Q          |          |          |         V |
17+15       9.8130      0.70  Q          |          |          |          V|
17+20       9.8180      0.72  Q          |          |          |          V|
17+25       9.8230      0.73  Q          |          |          |          V|
17+30       9.8281      0.74  Q          |          |          |          V|
17+35       9.8333      0.75  Q          |          |          |          V|
17+40       9.8385      0.75  Q          |          |          |          V|
17+45       9.8437      0.76  Q          |          |          |          V|
17+50       9.8488      0.73  Q          |          |          |          V|
17+55       9.8533      0.66  Q          |          |          |          V|
18+ 0       9.8577      0.64  Q          |          |          |          V|
18+ 5       9.8620      0.62  Q          |          |          |          V|
18+10       9.8663      0.62  Q          |          |          |          V|
18+15       9.8705      0.61  Q          |          |          |          V|
18+20       9.8747      0.61  Q          |          |          |          V|
18+25       9.8789      0.61  Q          |          |          |          V|
18+30       9.8831      0.61  Q          |          |          |          V|
18+35       9.8871      0.58  Q          |          |          |          V|
18+40       9.8906      0.51  Q          |          |          |          V|
18+45       9.8940      0.49  Q          |          |          |          V|
18+50       9.8971      0.45  Q          |          |          |          V|
18+55       9.8996      0.37  Q          |          |          |          V|
19+ 0       9.9020      0.34  Q          |          |          |          V|
19+ 5       9.9044      0.35  Q          |          |          |          V|
19+10       9.9072      0.41  Q          |          |          |          V|
19+15       9.9102      0.43  Q          |          |          |          V|
19+20       9.9134      0.46  Q          |          |          |          V|
19+25       9.9171      0.54  Q          |          |          |          V|
19+30       9.9210      0.57  Q          |          |          |          V|
19+35       9.9249      0.56  Q          |          |          |          V|
19+40       9.9283      0.50  Q          |          |          |          V|
19+45       9.9316      0.48  Q          |          |          |          V|
19+50       9.9347      0.45  Q          |          |          |          V|
19+55       9.9372      0.37  Q          |          |          |          V|
20+ 0       9.9396      0.34  Q          |          |          |          V|
20+ 5       9.9420      0.35  Q          |          |          |          V|
20+10       9.9448      0.41  Q          |          |          |          V|
20+15       9.9478      0.43  Q          |          |          |          V|
20+20       9.9508      0.44  Q          |          |          |          V|
20+25       9.9539      0.45  Q          |          |          |          V|
20+30       9.9570      0.45  Q          |          |          |          V|
20+35       9.9601      0.45  Q          |          |          |          V|
20+40       9.9632      0.45  Q          |          |          |          V|
20+45       9.9663      0.45  Q          |          |          |          V|
20+50       9.9693      0.43  Q          |          |          |          V|
20+55       9.9718      0.36  Q          |          |          |          V|
21+ 0       9.9741      0.33  Q          |          |          |          V|
21+ 5       9.9765      0.35  Q          |          |          |          V|
21+10       9.9793      0.41  Q          |          |          |          V|
21+15       9.9822      0.43  Q          |          |          |          V|
21+20       9.9851      0.42  Q          |          |          |          V|
21+25       9.9875      0.35  Q          |          |          |          V|
21+30       9.9898      0.33  Q          |          |          |          V|
21+35       9.9921      0.34  Q          |          |          |          V|
```

```
   21+40       9.9949      0.41  Q          |          |          |         V|
   21+45       9.9979      0.43  Q          |          |          |         V|
   21+50      10.0008      0.42  Q          |          |          |         V|
   21+55      10.0032      0.35  Q          |          |          |         V|
   22+ 0      10.0054      0.33  Q          |          |          |         V|
   22+ 5      10.0078      0.34  Q          |          |          |         V|
   22+10      10.0106      0.41  Q          |          |          |         V|
   22+15      10.0136      0.43  Q          |          |          |         V|
   22+20      10.0164      0.42  Q          |          |          |         V|
   22+25      10.0189      0.35  Q          |          |          |         V|
   22+30      10.0211      0.33  Q          |          |          |         V|
   22+35      10.0233      0.32  Q          |          |          |         V|
   22+40      10.0254      0.31  Q          |          |          |         V|
   22+45      10.0276      0.31  Q          |          |          |         V|
   22+50      10.0297      0.31  Q          |          |          |         V|
   22+55      10.0318      0.31  Q          |          |          |         V|
   23+ 0      10.0339      0.30  Q          |          |          |         V|
   23+ 5      10.0360      0.30  Q          |          |          |         V|
   23+10      10.0381      0.30  Q          |          |          |         V|
   23+15      10.0402      0.30  Q          |          |          |         V|
   23+20      10.0422      0.30  Q          |          |          |         V|
   23+25      10.0443      0.30  Q          |          |          |         V|
   23+30      10.0464      0.30  Q          |          |          |         V|
   23+35      10.0485      0.30  Q          |          |          |         V|
   23+40      10.0506      0.30  Q          |          |          |         V|
   23+45      10.0527      0.30  Q          |          |          |         V|
   23+50      10.0548      0.30  Q          |          |          |         V|
   23+55      10.0569      0.30  Q          |          |          |         V|
   24+ 0      10.0590      0.30  Q          |          |          |         V|
   24+ 5      10.0607      0.26  Q          |          |          |         V|
   24+10      10.0615      0.12  Q          |          |          |         V|
   24+15      10.0619      0.06  Q          |          |          |         V|
   24+20      10.0622      0.04  Q          |          |          |         V|
   24+25      10.0623      0.02  Q          |          |          |         V|
   24+30      10.0624      0.01  Q          |          |          |         V|
   24+35      10.0625      0.01  Q          |          |          |         V|
   24+40      10.0625      0.00  Q          |          |          |         V|
   24+45      10.0625      0.00  Q          |          |          |          V
-------------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/16/21 File: RVPRA12.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- PROPOSED UNIT HYDROGRAPH
2YR-1HR STORM

Drainage Area = 51.50(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.50(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 1314.50(Ft.)
Length along longest watercourse measured to centroid = 1017.40(Ft.)
Length along longest watercourse = 0.249 Mi.
Length along longest watercourse measured to centroid = 0.193 Mi.
Difference in elevation = 444.00(Ft.)
Slope along watercourse = 1783.4310 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.64 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	0.55	28.33

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	1.30	66.95

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 0.550(In)
Areal adjustment factor = 99.95 %
Adjusted average point rain = 0.550(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.500	78.00	0.117

Total Area Entered = 51.50(Ac.)

```
    RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
    AMC2 AMC-1     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
    78.0  60.6      0.464     0.117        0.415       1.000      0.415
                                                      Sum (F) =   0.415
    Area averaged mean soil loss (F) (In/Hr) =  0.415
    Minimum soil loss rate ((In/Hr)) =  0.207
    (for 24 hour storm duration)
    Soil low loss rate (decimal) =   0.806
    ------------------------------------------------------------------
    Slope of intensity-duration curve for a 1 hour storm =0.5500
    ------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                       VALLEY S-Curve
    ------------------------------------------------------------------
                Unit Hydrograph Data
    ------------------------------------------------------------------
    Unit time period   Time % of lag   Distribution   Unit Hydrograph
        (hrs)                           Graph %           (CFS)
    ------------------------------------------------------------------
        1   0.083        304.425         57.130             29.652
        2   0.167        608.851         36.886             19.145
        3   0.250        913.276          5.984              3.106
                                  Sum = 100.000   Sum=      51.902
-----------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

```
 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
  1   0.08     3.30      0.218       (  0.415)       0.176        0.042
  2   0.17     4.20      0.277       (  0.415)       0.223        0.054
  3   0.25     4.40      0.290       (  0.415)       0.234        0.056
  4   0.33     4.80      0.317       (  0.415)       0.255        0.061
  5   0.42     5.20      0.343       (  0.415)       0.277        0.066
  6   0.50     6.20      0.409       (  0.415)       0.330        0.079
  7   0.58     6.80      0.449       (  0.415)       0.362        0.087
  8   0.67     8.80      0.581          0.415    (  0.468)        0.166
  9   0.75    13.90      0.917          0.415    (  0.739)        0.502
 10   0.83    31.40      2.071          0.415    (  1.670)        1.657
 11   0.92     7.20      0.475       (  0.415)       0.383        0.092
 12   1.00     3.80      0.251       (  0.415)       0.202        0.049
            (Loss Rate Not Used)
    Sum =     100.0                                  Sum =     2.9
     Flood volume = Effective rainfall      0.24(In)
      times area      51.5(Ac.)/[(In)/(Ft.)] =       1.0(Ac.Ft)
     Total soil loss =      0.31(In)
     Total soil loss =     1.318(Ac.Ft)
     Total rainfall =      0.55(In)
     Flood volume =       45350.0 Cubic Feet
     Total soil loss =       57421.7 Cubic Feet
     ------------------------------------------------------------------
      Peak flow rate of this hydrograph =     59.286(CFS)
     ------------------------------------------------------------------
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                       1 - H O U R    S T O R M
                  R u n o f f      H y d r o g r a p h
     ------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0       15.0      30.0      45.0      60.0
 ------------------------------------------------------------------------
   0+ 5       0.0086      1.25  Q         |         |         |         |
   0+10       0.0251      2.40  VQ        |         |         |         |
```

```
    0+15       0.0446      2.83  |Q        |          |          |          |
    0+20       0.0657      3.06  | Q       |          |          |          |
    0+25       0.0885      3.32  | QV      |          |          |          |
    0+30       0.1148      3.81  | Q V     |          |          |          |
    0+35       0.1444      4.30  | Q  V    |          |          |          |
    0+40       0.1914      6.83  |   Q  V  |          |          |          |
    0+45       0.3178     18.35  |         | Q        |          |          |
    0+50       0.7261     59.29  |         |          |      V   |         Q|
    0+55       0.9742     36.02  |         |          |   Q      |      V   |
    1+ 0       1.0317      8.35  |    Q    |          |          |        V |
    1+ 5       1.0401      1.22  Q         |          |          |        V |
    1+10       1.0411      0.15  Q         |          |          |        V |
---------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/29/21 File: RVPRA32.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A - PROPOSED UNIT HYDROGRAPH
2YR-3HR STORM

Drainage Area = 51.50(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.50(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 1314.50(Ft.)
Length along longest watercourse measured to centroid = 1017.40(Ft.)
Length along longest watercourse = 0.249 Mi.
Length along longest watercourse measured to centroid = 0.193 Mi.
Difference in elevation = 444.00(Ft.)
Slope along watercourse = 1783.4310 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.64 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	1.10	56.65

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	2.00	103.00

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 1.100(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 1.100(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.500	78.00	0.117

Total Area Entered = 51.50(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

78.0 60.6 0.464 0.117 0.415 1.000 0.415
Sum (F) = 0.415

Area averaged mean soil loss (F) (In/Hr) = 0.415
Minimum soil loss rate ((In/Hr)) = 0.207
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.806

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	304.425	57.130	29.652
2	0.167	608.851	36.886	19.145
3	0.250	913.276	5.984	3.106
		Sum = 100.000	Sum=	51.902

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.172	(0.415)	0.138	0.033
2	0.17	1.30	0.172	(0.415)	0.138	0.033
3	0.25	1.10	0.145	(0.415)	0.117	0.028
4	0.33	1.50	0.198	(0.415)	0.160	0.038
5	0.42	1.50	0.198	(0.415)	0.160	0.038
6	0.50	1.80	0.238	(0.415)	0.192	0.046
7	0.58	1.50	0.198	(0.415)	0.160	0.038
8	0.67	1.80	0.238	(0.415)	0.192	0.046
9	0.75	1.80	0.238	(0.415)	0.192	0.046
10	0.83	1.50	0.198	(0.415)	0.160	0.038
11	0.92	1.60	0.211	(0.415)	0.170	0.041
12	1.00	1.80	0.238	(0.415)	0.192	0.046
13	1.08	2.20	0.290	(0.415)	0.234	0.056
14	1.17	2.20	0.290	(0.415)	0.234	0.056
15	1.25	2.20	0.290	(0.415)	0.234	0.056
16	1.33	2.00	0.264	(0.415)	0.213	0.051
17	1.42	2.60	0.343	(0.415)	0.277	0.066
18	1.50	2.70	0.356	(0.415)	0.287	0.069
19	1.58	2.40	0.317	(0.415)	0.255	0.061
20	1.67	2.70	0.356	(0.415)	0.287	0.069
21	1.75	3.30	0.436	(0.415)	0.351	0.084
22	1.83	3.10	0.409	(0.415)	0.330	0.079
23	1.92	2.90	0.383	(0.415)	0.309	0.074
24	2.00	3.00	0.396	(0.415)	0.319	0.077
25	2.08	3.10	0.409	(0.415)	0.330	0.079
26	2.17	4.20	0.554	0.415	(0.447)	0.140
27	2.25	5.00	0.660	0.415	(0.532)	0.245
28	2.33	3.50	0.462	(0.415)	0.372	0.089
29	2.42	6.80	0.897	0.415	(0.724)	0.483
30	2.50	7.30	0.963	0.415	(0.777)	0.549
31	2.58	8.20	1.082	0.415	(0.873)	0.667
32	2.67	5.90	0.779	0.415	(0.628)	0.364
33	2.75	2.00	0.264	(0.415)	0.213	0.051
34	2.83	1.80	0.238	(0.415)	0.192	0.046
35	2.92	1.80	0.238	(0.415)	0.192	0.046
36	3.00	0.60	0.079	(0.415)	0.064	0.015
	(Loss Rate Not Used)					
Sum =		100.0			Sum =	4.0

Flood volume = Effective rainfall 0.34(In)
times area 51.5(Ac.)/[(In)/(Ft.)] = 1.4(Ac.Ft)

```
      Total soil loss =      0.76(In)
      Total soil loss =     3.272(Ac.Ft)
      Total rainfall =      1.10(In)
      Flood volume =       63044.3 Cubic Feet
      Total soil loss =      142548.9 Cubic Feet
      ------------------------------------------------------------------------
       Peak flow rate of this hydrograph =     31.811(CFS)
      ------------------------------------------------------------------------
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          3 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ------------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals ((CFS))

      ------------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       10.0      20.0      30.0      40.0
  ------------------------------------------------------------------------
    0+ 5       0.0068      0.99  Q         |         |         |         |
    0+10       0.0180      1.62  VQ        |         |         |         |
    0+15       0.0288      1.57  VQ        |         |         |         |
    0+20       0.0410      1.78  |Q        |         |         |         |
    0+25       0.0545      1.96  |Q        |         |         |         |
    0+30       0.0698      2.22  |VQ       |         |         |         |
    0+35       0.0845      2.14  | Q       |         |         |         |
    0+40       0.1000      2.24  | Q       |         |         |         |
    0+45       0.1162      2.36  | QV      |         |         |         |
    0+50       0.1311      2.16  | QV      |         |         |         |
    0+55       0.1455      2.09  | Q V     |         |         |         |
    1+ 0       0.1611      2.27  | Q V     |         |         |         |
    1+ 5       0.1795      2.68  | Q V     |         |         |         |
    1+10       0.1994      2.89  | Q  V    |         |         |         |
    1+15       0.2195      2.92  | Q   V   |         |         |         |
    1+20       0.2386      2.77  | Q   V   |         |         |         |
    1+25       0.2601      3.12  |  Q   V  |         |         |         |
    1+30       0.2841      3.48  |  Q   V  |         |         |         |
    1+35       0.3071      3.35  |  Q    V |         |         |         |
    1+40       0.3308      3.44  |  Q     V|         |         |         |
    1+45       0.3584      4.01  |   Q    V|         |         |         |
    1+50       0.3872      4.18  |   Q     V         |         |         |
    1+55       0.4146      3.98  |  Q      |V        |         |         |
    2+ 0       0.4417      3.94  |  Q      | V       |         |         |
    2+ 5       0.4696      4.05  |   Q     | V       |         |         |
    2+10       0.5102      5.90  |    Q    |   V     |         |         |
    2+15       0.5804     10.19  |         Q     V   |         |         |
    2+20       0.6340      7.78  |       Q |      V  |         |         |
    2+25       0.7496     16.79  |         |     Q   V         |         |
    2+30       0.9273     25.80  |         |         |    Q    |         |
    2+35       1.1464     31.81  |         |         |         |Q        |
    2+40       1.3206     25.29  |         |         |    Q    |     V   |
    2+45       1.3933     10.56  |         Q         |         |       V |
    2+50       1.4172      3.47  |  Q      |         |         |        V|
    2+55       1.4338      2.40  | Q       |         |         |        V|
    3+ 0       1.4440      1.48  |Q        |         |         |        V|
    3+ 5       1.4470      0.44  Q         |         |         |        V|
    3+10       1.4473      0.05  Q         |         |         |         V
  ------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/16/21 File: RVPRA62.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- PROPOSED UNIT HYDROGRAPH
2YR-6HR STORM

Drainage Area = 51.50(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.50(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 1314.50(Ft.)
Length along longest watercourse measured to centroid = 1017.40(Ft.)
Length along longest watercourse = 0.249 Mi.
Length along longest watercourse measured to centroid = 0.193 Mi.
Difference in elevation = 444.00(Ft.)
Slope along watercourse = 1783.4310 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.64 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	1.60	82.40

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	3.00	154.50

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 1.600(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 1.600(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.500	78.00	0.117

Total Area Entered = 51.50(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      78.0  60.6      0.464     0.117        0.415       1.000      0.415
                                                        Sum (F) =   0.415
      Area averaged mean soil loss (F) (In/Hr) =  0.415
      Minimum soil loss rate ((In/Hr)) =  0.207
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.806
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        304.425         57.130             29.652
          2   0.167        608.851         36.886             19.145
          3   0.250        913.276          5.984              3.106
                                    Sum = 100.000   Sum=      51.902
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.50	0.096	(0.415)	0.077	0.019
2	0.17	0.60	0.115	(0.415)	0.093	0.022
3	0.25	0.60	0.115	(0.415)	0.093	0.022
4	0.33	0.60	0.115	(0.415)	0.093	0.022
5	0.42	0.60	0.115	(0.415)	0.093	0.022
6	0.50	0.70	0.134	(0.415)	0.108	0.026
7	0.58	0.70	0.134	(0.415)	0.108	0.026
8	0.67	0.70	0.134	(0.415)	0.108	0.026
9	0.75	0.70	0.134	(0.415)	0.108	0.026
10	0.83	0.70	0.134	(0.415)	0.108	0.026
11	0.92	0.70	0.134	(0.415)	0.108	0.026
12	1.00	0.80	0.154	(0.415)	0.124	0.030
13	1.08	0.80	0.154	(0.415)	0.124	0.030
14	1.17	0.80	0.154	(0.415)	0.124	0.030
15	1.25	0.80	0.154	(0.415)	0.124	0.030
16	1.33	0.80	0.154	(0.415)	0.124	0.030
17	1.42	0.80	0.154	(0.415)	0.124	0.030
18	1.50	0.80	0.154	(0.415)	0.124	0.030
19	1.58	0.80	0.154	(0.415)	0.124	0.030
20	1.67	0.80	0.154	(0.415)	0.124	0.030
21	1.75	0.80	0.154	(0.415)	0.124	0.030
22	1.83	0.80	0.154	(0.415)	0.124	0.030
23	1.92	0.80	0.154	(0.415)	0.124	0.030
24	2.00	0.90	0.173	(0.415)	0.139	0.033
25	2.08	0.80	0.154	(0.415)	0.124	0.030
26	2.17	0.90	0.173	(0.415)	0.139	0.033
27	2.25	0.90	0.173	(0.415)	0.139	0.033
28	2.33	0.90	0.173	(0.415)	0.139	0.033
29	2.42	0.90	0.173	(0.415)	0.139	0.033
30	2.50	0.90	0.173	(0.415)	0.139	0.033
31	2.58	0.90	0.173	(0.415)	0.139	0.033
32	2.67	0.90	0.173	(0.415)	0.139	0.033
33	2.75	1.00	0.192	(0.415)	0.155	0.037
34	2.83	1.00	0.192	(0.415)	0.155	0.037
35	2.92	1.00	0.192	(0.415)	0.155	0.037
36	3.00	1.00	0.192	(0.415)	0.155	0.037
37	3.08	1.00	0.192	(0.415)	0.155	0.037
38	3.17	1.10	0.211	(0.415)	0.170	0.041
39	3.25	1.10	0.211	(0.415)	0.170	0.041

```
40   3.33     1.10      0.211       (  0.415)       0.170        0.041
41   3.42     1.20      0.230       (  0.415)       0.186        0.045
42   3.50     1.30      0.250       (  0.415)       0.201        0.048
43   3.58     1.40      0.269       (  0.415)       0.217        0.052
44   3.67     1.40      0.269       (  0.415)       0.217        0.052
45   3.75     1.50      0.288       (  0.415)       0.232        0.056
46   3.83     1.50      0.288       (  0.415)       0.232        0.056
47   3.92     1.60      0.307       (  0.415)       0.248        0.059
48   4.00     1.60      0.307       (  0.415)       0.248        0.059
49   4.08     1.70      0.326       (  0.415)       0.263        0.063
50   4.17     1.80      0.346       (  0.415)       0.279        0.067
51   4.25     1.90      0.365       (  0.415)       0.294        0.071
52   4.33     2.00      0.384       (  0.415)       0.310        0.074
53   4.42     2.10      0.403       (  0.415)       0.325        0.078
54   4.50     2.10      0.403       (  0.415)       0.325        0.078
55   4.58     2.20      0.422       (  0.415)       0.341        0.082
56   4.67     2.30      0.442       (  0.415)       0.356        0.085
57   4.75     2.40      0.461       (  0.415)       0.372        0.089
58   4.83     2.40      0.461       (  0.415)       0.372        0.089
59   4.92     2.50      0.480       (  0.415)       0.387        0.093
60   5.00     2.60      0.499       (  0.415)       0.402        0.097
61   5.08     3.10      0.595          0.415    (  0.480)        0.180
62   5.17     3.60      0.691          0.415    (  0.557)        0.276
63   5.25     3.90      0.749          0.415    (  0.604)        0.334
64   5.33     4.20      0.806          0.415    (  0.650)        0.392
65   5.42     4.70      0.902          0.415    (  0.728)        0.488
66   5.50     5.60      1.075          0.415    (  0.867)        0.660
67   5.58     1.90      0.365       (  0.415)       0.294        0.071
68   5.67     0.90      0.173       (  0.415)       0.139        0.033
69   5.75     0.60      0.115       (  0.415)       0.093        0.022
70   5.83     0.50      0.096       (  0.415)       0.077        0.019
71   5.92     0.30      0.058       (  0.415)       0.046        0.011
72   6.00     0.20      0.038       (  0.415)       0.031        0.007
            (Loss Rate Not Used)
   Sum =     100.0                                    Sum =     5.1
    Flood volume = Effective rainfall      0.43(In)
     times area      51.5(Ac.)/[(In)/(Ft.)] =       1.8(Ac.Ft)
    Total soil loss =      1.17(In)
    Total soil loss =     5.037(Ac.Ft)
    Total rainfall =      1.60(In)
    Flood volume =       79665.2 Cubic Feet
    Total soil loss =      219393.9 Cubic Feet
    ---------------------------------------------------------------------
     Peak flow rate of this hydrograph =     30.144(CFS)
    ---------------------------------------------------------------------
    +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
    ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

    ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       10.0      20.0      30.0      40.0
-----------------------------------------------------------------------
  0+ 5       0.0038      0.55  Q         |         |         |         |
  0+10       0.0108      1.02  VQ        |         |         |         |
  0+15       0.0187      1.15  VQ        |         |         |         |
  0+20       0.0267      1.16  VQ        |         |         |         |
  0+25       0.0346      1.16  VQ        |         |         |         |
  0+30       0.0434      1.27  VQ        |         |         |         |
  0+35       0.0526      1.34  |Q        |         |         |         |
  0+40       0.0619      1.35  |Q        |         |         |         |
  0+45       0.0712      1.35  |Q        |         |         |         |
  0+50       0.0805      1.35  |Q        |         |         |         |
  0+55       0.0898      1.35  |Q        |         |         |         |
  1+ 0       0.0999      1.46  |QV       |         |         |         |
  1+ 5       0.1104      1.53  |QV       |         |         |         |
```

```
   1+10       0.1211      1.54  |QV       |          |          |          |
   1+15       0.1317      1.54  |QV       |          |          |          |
   1+20       0.1423      1.54  |Q V      |          |          |          |
   1+25       0.1530      1.54  |Q V      |          |          |          |
   1+30       0.1636      1.54  |Q V      |          |          |          |
   1+35       0.1742      1.54  |Q V      |          |          |          |
   1+40       0.1849      1.54  |Q  V     |          |          |          |
   1+45       0.1955      1.54  |Q  V     |          |          |          |
   1+50       0.2061      1.54  |Q  V     |          |          |          |
   1+55       0.2168      1.54  |Q  V     |          |          |          |
   2+ 0       0.2282      1.65  |Q  V     |          |          |          |
   2+ 5       0.2393      1.62  |Q   V    |          |          |          |
   2+10       0.2508      1.67  |Q   V    |          |          |          |
   2+15       0.2626      1.73  |Q   V    |          |          |          |
   2+20       0.2746      1.74  |Q    V   |          |          |          |
   2+25       0.2866      1.74  |Q    V   |          |          |          |
   2+30       0.2985      1.74  |Q    V   |          |          |          |
   2+35       0.3105      1.74  |Q    V   |          |          |          |
   2+40       0.3225      1.74  |Q     V  |          |          |          |
   2+45       0.3352      1.85  |Q     V  |          |          |          |
   2+50       0.3484      1.92  |Q     V  |          |          |          |
   2+55       0.3617      1.93  |Q     V  |          |          |          |
   3+ 0       0.3750      1.93  |Q      V |          |          |          |
   3+ 5       0.3883      1.93  |Q      V |          |          |          |
   3+10       0.4023      2.04  | Q     V |          |          |          |
   3+15       0.4169      2.11  | Q      V|          |          |          |
   3+20       0.4315      2.12  | Q      V|          |          |          |
   3+25       0.4469      2.23  | Q      V|          |          |          |
   3+30       0.4635      2.41  | Q       V          |          |          |
   3+35       0.4814      2.61  | Q       V          |          |          |
   3+40       0.5000      2.69  | Q       V          |          |          |
   3+45       0.5193      2.81  | Q       |V         |          |          |
   3+50       0.5392      2.88  | Q       |V         |          |          |
   3+55       0.5599      3.01  |  Q      | V        |          |          |
   4+ 0       0.5811      3.08  |  Q      | V        |          |          |
   4+ 5       0.6031      3.20  |  Q      |  V       |          |          |
   4+10       0.6264      3.38  |  Q      |  V       |          |          |
   4+15       0.6510      3.57  |  Q      |   V      |          |          |
   4+20       0.6769      3.77  |  Q      |   V      |          |          |
   4+25       0.7042      3.96  |  Q      |    V     |          |          |
   4+30       0.7320      4.04  |   Q     |     V    |          |          |
   4+35       0.7607      4.16  |   Q     |     V    |          |          |
   4+40       0.7906      4.34  |   Q     |      V   |          |          |
   4+45       0.8219      4.54  |   Q     |      V   |          |          |
   4+50       0.8537      4.62  |   Q     |       V  |          |          |
   4+55       0.8863      4.74  |   Q     |        V|          |          |
   5+ 0       0.9202      4.92  |   Q     |         V          |          |
   5+ 5       0.9718      7.49  |      Q  |          |V         |          |
   5+10       1.0542     11.95  |         |Q         |  V       |          |
   5+15       1.1627     15.76  |         |    Q     |    V     |          |
   5+20       1.2927     18.87  |         |       Q  |       V  |          |
   5+25       1.4511     23.00  |         |          |  Q       |V         |
   5+30       1.6587     30.14  |         |          |         Q|     V    |
   5+35       1.7707     16.26  |         |     Q    |          |       V  |
   5+40       1.8010      4.40  |   Q     |          |          |        V |
   5+45       1.8114      1.52  |Q        |          |          |        V |
   5+50       1.8189      1.08  |Q        |          |          |        V |
   5+55       1.8241      0.76  Q         |          |          |        V |
   6+ 0       1.8275      0.49  Q         |          |          |        V |
   6+ 5       1.8287      0.18  Q         |          |          |        V |
   6+10       1.8289      0.02  Q         |          |          |         V
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/16/21 File: RVPRA242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- PROPOSED UNIT HYDROGRAPH
2YR-24HR STORM

Drainage Area = 51.50(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.50(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 1314.50(Ft.)
Length along longest watercourse measured to centroid = 1017.40(Ft.)
Length along longest watercourse = 0.249 Mi.
Length along longest watercourse measured to centroid = 0.193 Mi.
Difference in elevation = 444.00(Ft.)
Slope along watercourse = 1783.4310 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.64 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	2.70	139.05

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	7.00	360.50

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.500	78.00	0.117

Total Area Entered = 51.50(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-1     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
78.0  60.6      0.464     0.117        0.415       1.000      0.415
                                                  Sum (F) =   0.415
Area averaged mean soil loss (F) (In/Hr) =  0.415
Minimum soil loss rate ((In/Hr)) =  0.207
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.806
```

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	304.425	57.130	29.652
2	0.167	608.851	36.886	19.145
3	0.250	913.276	5.984	3.106
		Sum = 100.000	Sum=	51.902

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.735)	0.017	0.004
2	0.17	0.07	0.022	(0.732)	0.017	0.004
3	0.25	0.07	0.022	(0.729)	0.017	0.004
4	0.33	0.10	0.032	(0.727)	0.026	0.006
5	0.42	0.10	0.032	(0.724)	0.026	0.006
6	0.50	0.10	0.032	(0.721)	0.026	0.006
7	0.58	0.10	0.032	(0.718)	0.026	0.006
8	0.67	0.10	0.032	(0.715)	0.026	0.006
9	0.75	0.10	0.032	(0.713)	0.026	0.006
10	0.83	0.13	0.043	(0.710)	0.035	0.008
11	0.92	0.13	0.043	(0.707)	0.035	0.008
12	1.00	0.13	0.043	(0.704)	0.035	0.008
13	1.08	0.10	0.032	(0.701)	0.026	0.006
14	1.17	0.10	0.032	(0.699)	0.026	0.006
15	1.25	0.10	0.032	(0.696)	0.026	0.006
16	1.33	0.10	0.032	(0.693)	0.026	0.006
17	1.42	0.10	0.032	(0.690)	0.026	0.006
18	1.50	0.10	0.032	(0.688)	0.026	0.006
19	1.58	0.10	0.032	(0.685)	0.026	0.006
20	1.67	0.10	0.032	(0.682)	0.026	0.006
21	1.75	0.10	0.032	(0.679)	0.026	0.006
22	1.83	0.13	0.043	(0.677)	0.035	0.008
23	1.92	0.13	0.043	(0.674)	0.035	0.008
24	2.00	0.13	0.043	(0.671)	0.035	0.008
25	2.08	0.13	0.043	(0.668)	0.035	0.008
26	2.17	0.13	0.043	(0.666)	0.035	0.008
27	2.25	0.13	0.043	(0.663)	0.035	0.008
28	2.33	0.13	0.043	(0.660)	0.035	0.008
29	2.42	0.13	0.043	(0.658)	0.035	0.008
30	2.50	0.13	0.043	(0.655)	0.035	0.008
31	2.58	0.17	0.054	(0.652)	0.044	0.010
32	2.67	0.17	0.054	(0.650)	0.044	0.010
33	2.75	0.17	0.054	(0.647)	0.044	0.010
34	2.83	0.17	0.054	(0.644)	0.044	0.010
35	2.92	0.17	0.054	(0.642)	0.044	0.010
36	3.00	0.17	0.054	(0.639)	0.044	0.010
37	3.08	0.17	0.054	(0.636)	0.044	0.010
38	3.17	0.17	0.054	(0.634)	0.044	0.010

39	3.25	0.17	0.054	(0.631)	0.044	0.010
40	3.33	0.17	0.054	(0.628)	0.044	0.010
41	3.42	0.17	0.054	(0.626)	0.044	0.010
42	3.50	0.17	0.054	(0.623)	0.044	0.010
43	3.58	0.17	0.054	(0.621)	0.044	0.010
44	3.67	0.17	0.054	(0.618)	0.044	0.010
45	3.75	0.17	0.054	(0.615)	0.044	0.010
46	3.83	0.20	0.065	(0.613)	0.052	0.013
47	3.92	0.20	0.065	(0.610)	0.052	0.013
48	4.00	0.20	0.065	(0.608)	0.052	0.013
49	4.08	0.20	0.065	(0.605)	0.052	0.013
50	4.17	0.20	0.065	(0.602)	0.052	0.013
51	4.25	0.20	0.065	(0.600)	0.052	0.013
52	4.33	0.23	0.076	(0.597)	0.061	0.015
53	4.42	0.23	0.076	(0.595)	0.061	0.015
54	4.50	0.23	0.076	(0.592)	0.061	0.015
55	4.58	0.23	0.076	(0.590)	0.061	0.015
56	4.67	0.23	0.076	(0.587)	0.061	0.015
57	4.75	0.23	0.076	(0.585)	0.061	0.015
58	4.83	0.27	0.086	(0.582)	0.070	0.017
59	4.92	0.27	0.086	(0.580)	0.070	0.017
60	5.00	0.27	0.086	(0.577)	0.070	0.017
61	5.08	0.20	0.065	(0.575)	0.052	0.013
62	5.17	0.20	0.065	(0.572)	0.052	0.013
63	5.25	0.20	0.065	(0.570)	0.052	0.013
64	5.33	0.23	0.076	(0.567)	0.061	0.015
65	5.42	0.23	0.076	(0.565)	0.061	0.015
66	5.50	0.23	0.076	(0.562)	0.061	0.015
67	5.58	0.27	0.086	(0.560)	0.070	0.017
68	5.67	0.27	0.086	(0.557)	0.070	0.017
69	5.75	0.27	0.086	(0.555)	0.070	0.017
70	5.83	0.27	0.086	(0.552)	0.070	0.017
71	5.92	0.27	0.086	(0.550)	0.070	0.017
72	6.00	0.27	0.086	(0.547)	0.070	0.017
73	6.08	0.30	0.097	(0.545)	0.078	0.019
74	6.17	0.30	0.097	(0.543)	0.078	0.019
75	6.25	0.30	0.097	(0.540)	0.078	0.019
76	6.33	0.30	0.097	(0.538)	0.078	0.019
77	6.42	0.30	0.097	(0.535)	0.078	0.019
78	6.50	0.30	0.097	(0.533)	0.078	0.019
79	6.58	0.33	0.108	(0.531)	0.087	0.021
80	6.67	0.33	0.108	(0.528)	0.087	0.021
81	6.75	0.33	0.108	(0.526)	0.087	0.021
82	6.83	0.33	0.108	(0.523)	0.087	0.021
83	6.92	0.33	0.108	(0.521)	0.087	0.021
84	7.00	0.33	0.108	(0.519)	0.087	0.021
85	7.08	0.33	0.108	(0.516)	0.087	0.021
86	7.17	0.33	0.108	(0.514)	0.087	0.021
87	7.25	0.33	0.108	(0.512)	0.087	0.021
88	7.33	0.37	0.119	(0.509)	0.096	0.023
89	7.42	0.37	0.119	(0.507)	0.096	0.023
90	7.50	0.37	0.119	(0.505)	0.096	0.023
91	7.58	0.40	0.130	(0.502)	0.104	0.025
92	7.67	0.40	0.130	(0.500)	0.104	0.025
93	7.75	0.40	0.130	(0.498)	0.104	0.025
94	7.83	0.43	0.140	(0.495)	0.113	0.027
95	7.92	0.43	0.140	(0.493)	0.113	0.027
96	8.00	0.43	0.140	(0.491)	0.113	0.027
97	8.08	0.50	0.162	(0.489)	0.131	0.031
98	8.17	0.50	0.162	(0.486)	0.131	0.031
99	8.25	0.50	0.162	(0.484)	0.131	0.031
100	8.33	0.50	0.162	(0.482)	0.131	0.031
101	8.42	0.50	0.162	(0.479)	0.131	0.031
102	8.50	0.50	0.162	(0.477)	0.131	0.031
103	8.58	0.53	0.173	(0.475)	0.139	0.033
104	8.67	0.53	0.173	(0.473)	0.139	0.033
105	8.75	0.53	0.173	(0.471)	0.139	0.033

106	8.83	0.57	0.184	(0.468)	0.148	0.036
107	8.92	0.57	0.184	(0.466)	0.148	0.036
108	9.00	0.57	0.184	(0.464)	0.148	0.036
109	9.08	0.63	0.205	(0.462)	0.165	0.040
110	9.17	0.63	0.205	(0.459)	0.165	0.040
111	9.25	0.63	0.205	(0.457)	0.165	0.040
112	9.33	0.67	0.216	(0.455)	0.174	0.042
113	9.42	0.67	0.216	(0.453)	0.174	0.042
114	9.50	0.67	0.216	(0.451)	0.174	0.042
115	9.58	0.70	0.227	(0.449)	0.183	0.044
116	9.67	0.70	0.227	(0.446)	0.183	0.044
117	9.75	0.70	0.227	(0.444)	0.183	0.044
118	9.83	0.73	0.238	(0.442)	0.192	0.046
119	9.92	0.73	0.238	(0.440)	0.192	0.046
120	10.00	0.73	0.238	(0.438)	0.192	0.046
121	10.08	0.50	0.162	(0.436)	0.131	0.031
122	10.17	0.50	0.162	(0.434)	0.131	0.031
123	10.25	0.50	0.162	(0.432)	0.131	0.031
124	10.33	0.50	0.162	(0.430)	0.131	0.031
125	10.42	0.50	0.162	(0.427)	0.131	0.031
126	10.50	0.50	0.162	(0.425)	0.131	0.031
127	10.58	0.67	0.216	(0.423)	0.174	0.042
128	10.67	0.67	0.216	(0.421)	0.174	0.042
129	10.75	0.67	0.216	(0.419)	0.174	0.042
130	10.83	0.67	0.216	(0.417)	0.174	0.042
131	10.92	0.67	0.216	(0.415)	0.174	0.042
132	11.00	0.67	0.216	(0.413)	0.174	0.042
133	11.08	0.63	0.205	(0.411)	0.165	0.040
134	11.17	0.63	0.205	(0.409)	0.165	0.040
135	11.25	0.63	0.205	(0.407)	0.165	0.040
136	11.33	0.63	0.205	(0.405)	0.165	0.040
137	11.42	0.63	0.205	(0.403)	0.165	0.040
138	11.50	0.63	0.205	(0.401)	0.165	0.040
139	11.58	0.57	0.184	(0.399)	0.148	0.036
140	11.67	0.57	0.184	(0.397)	0.148	0.036
141	11.75	0.57	0.184	(0.395)	0.148	0.036
142	11.83	0.60	0.194	(0.393)	0.157	0.038
143	11.92	0.60	0.194	(0.391)	0.157	0.038
144	12.00	0.60	0.194	(0.389)	0.157	0.038
145	12.08	0.83	0.270	(0.387)	0.218	0.052
146	12.17	0.83	0.270	(0.385)	0.218	0.052
147	12.25	0.83	0.270	(0.383)	0.218	0.052
148	12.33	0.87	0.281	(0.381)	0.226	0.054
149	12.42	0.87	0.281	(0.379)	0.226	0.054
150	12.50	0.87	0.281	(0.378)	0.226	0.054
151	12.58	0.93	0.302	(0.376)	0.244	0.059
152	12.67	0.93	0.302	(0.374)	0.244	0.059
153	12.75	0.93	0.302	(0.372)	0.244	0.059
154	12.83	0.97	0.313	(0.370)	0.253	0.061
155	12.92	0.97	0.313	(0.368)	0.253	0.061
156	13.00	0.97	0.313	(0.366)	0.253	0.061
157	13.08	1.13	0.367	(0.364)	0.296	0.071
158	13.17	1.13	0.367	(0.363)	0.296	0.071
159	13.25	1.13	0.367	(0.361)	0.296	0.071
160	13.33	1.13	0.367	(0.359)	0.296	0.071
161	13.42	1.13	0.367	(0.357)	0.296	0.071
162	13.50	1.13	0.367	(0.355)	0.296	0.071
163	13.58	0.77	0.248	(0.353)	0.200	0.048
164	13.67	0.77	0.248	(0.352)	0.200	0.048
165	13.75	0.77	0.248	(0.350)	0.200	0.048
166	13.83	0.77	0.248	(0.348)	0.200	0.048
167	13.92	0.77	0.248	(0.346)	0.200	0.048
168	14.00	0.77	0.248	(0.344)	0.200	0.048
169	14.08	0.90	0.292	(0.343)	0.235	0.056
170	14.17	0.90	0.292	(0.341)	0.235	0.056
171	14.25	0.90	0.292	(0.339)	0.235	0.056
172	14.33	0.87	0.281	(0.337)	0.226	0.054

173	14.42	0.87	0.281	(0.336)	0.226	0.054
174	14.50	0.87	0.281	(0.334)	0.226	0.054
175	14.58	0.87	0.281	(0.332)	0.226	0.054
176	14.67	0.87	0.281	(0.331)	0.226	0.054
177	14.75	0.87	0.281	(0.329)	0.226	0.054
178	14.83	0.83	0.270	(0.327)	0.218	0.052
179	14.92	0.83	0.270	(0.326)	0.218	0.052
180	15.00	0.83	0.270	(0.324)	0.218	0.052
181	15.08	0.80	0.259	(0.322)	0.209	0.050
182	15.17	0.80	0.259	(0.321)	0.209	0.050
183	15.25	0.80	0.259	(0.319)	0.209	0.050
184	15.33	0.77	0.248	(0.317)	0.200	0.048
185	15.42	0.77	0.248	(0.316)	0.200	0.048
186	15.50	0.77	0.248	(0.314)	0.200	0.048
187	15.58	0.63	0.205	(0.312)	0.165	0.040
188	15.67	0.63	0.205	(0.311)	0.165	0.040
189	15.75	0.63	0.205	(0.309)	0.165	0.040
190	15.83	0.63	0.205	(0.308)	0.165	0.040
191	15.92	0.63	0.205	(0.306)	0.165	0.040
192	16.00	0.63	0.205	(0.305)	0.165	0.040
193	16.08	0.13	0.043	(0.303)	0.035	0.008
194	16.17	0.13	0.043	(0.301)	0.035	0.008
195	16.25	0.13	0.043	(0.300)	0.035	0.008
196	16.33	0.13	0.043	(0.298)	0.035	0.008
197	16.42	0.13	0.043	(0.297)	0.035	0.008
198	16.50	0.13	0.043	(0.295)	0.035	0.008
199	16.58	0.10	0.032	(0.294)	0.026	0.006
200	16.67	0.10	0.032	(0.292)	0.026	0.006
201	16.75	0.10	0.032	(0.291)	0.026	0.006
202	16.83	0.10	0.032	(0.289)	0.026	0.006
203	16.92	0.10	0.032	(0.288)	0.026	0.006
204	17.00	0.10	0.032	(0.286)	0.026	0.006
205	17.08	0.17	0.054	(0.285)	0.044	0.010
206	17.17	0.17	0.054	(0.284)	0.044	0.010
207	17.25	0.17	0.054	(0.282)	0.044	0.010
208	17.33	0.17	0.054	(0.281)	0.044	0.010
209	17.42	0.17	0.054	(0.279)	0.044	0.010
210	17.50	0.17	0.054	(0.278)	0.044	0.010
211	17.58	0.17	0.054	(0.277)	0.044	0.010
212	17.67	0.17	0.054	(0.275)	0.044	0.010
213	17.75	0.17	0.054	(0.274)	0.044	0.010
214	17.83	0.13	0.043	(0.272)	0.035	0.008
215	17.92	0.13	0.043	(0.271)	0.035	0.008
216	18.00	0.13	0.043	(0.270)	0.035	0.008
217	18.08	0.13	0.043	(0.268)	0.035	0.008
218	18.17	0.13	0.043	(0.267)	0.035	0.008
219	18.25	0.13	0.043	(0.266)	0.035	0.008
220	18.33	0.13	0.043	(0.264)	0.035	0.008
221	18.42	0.13	0.043	(0.263)	0.035	0.008
222	18.50	0.13	0.043	(0.262)	0.035	0.008
223	18.58	0.10	0.032	(0.261)	0.026	0.006
224	18.67	0.10	0.032	(0.259)	0.026	0.006
225	18.75	0.10	0.032	(0.258)	0.026	0.006
226	18.83	0.07	0.022	(0.257)	0.017	0.004
227	18.92	0.07	0.022	(0.256)	0.017	0.004
228	19.00	0.07	0.022	(0.254)	0.017	0.004
229	19.08	0.10	0.032	(0.253)	0.026	0.006
230	19.17	0.10	0.032	(0.252)	0.026	0.006
231	19.25	0.10	0.032	(0.251)	0.026	0.006
232	19.33	0.13	0.043	(0.250)	0.035	0.008
233	19.42	0.13	0.043	(0.249)	0.035	0.008
234	19.50	0.13	0.043	(0.247)	0.035	0.008
235	19.58	0.10	0.032	(0.246)	0.026	0.006
236	19.67	0.10	0.032	(0.245)	0.026	0.006
237	19.75	0.10	0.032	(0.244)	0.026	0.006
238	19.83	0.07	0.022	(0.243)	0.017	0.004
239	19.92	0.07	0.022	(0.242)	0.017	0.004

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240  20.00     0.07      0.022       (  0.241)       0.017        0.004
241  20.08     0.10      0.032       (  0.240)       0.026        0.006
242  20.17     0.10      0.032       (  0.239)       0.026        0.006
243  20.25     0.10      0.032       (  0.238)       0.026        0.006
244  20.33     0.10      0.032       (  0.237)       0.026        0.006
245  20.42     0.10      0.032       (  0.236)       0.026        0.006
246  20.50     0.10      0.032       (  0.235)       0.026        0.006
247  20.58     0.10      0.032       (  0.234)       0.026        0.006
248  20.67     0.10      0.032       (  0.233)       0.026        0.006
249  20.75     0.10      0.032       (  0.232)       0.026        0.006
250  20.83     0.07      0.022       (  0.231)       0.017        0.004
251  20.92     0.07      0.022       (  0.230)       0.017        0.004
252  21.00     0.07      0.022       (  0.229)       0.017        0.004
253  21.08     0.10      0.032       (  0.228)       0.026        0.006
254  21.17     0.10      0.032       (  0.227)       0.026        0.006
255  21.25     0.10      0.032       (  0.226)       0.026        0.006
256  21.33     0.07      0.022       (  0.225)       0.017        0.004
257  21.42     0.07      0.022       (  0.224)       0.017        0.004
258  21.50     0.07      0.022       (  0.224)       0.017        0.004
259  21.58     0.10      0.032       (  0.223)       0.026        0.006
260  21.67     0.10      0.032       (  0.222)       0.026        0.006
261  21.75     0.10      0.032       (  0.221)       0.026        0.006
262  21.83     0.07      0.022       (  0.220)       0.017        0.004
263  21.92     0.07      0.022       (  0.220)       0.017        0.004
264  22.00     0.07      0.022       (  0.219)       0.017        0.004
265  22.08     0.10      0.032       (  0.218)       0.026        0.006
266  22.17     0.10      0.032       (  0.218)       0.026        0.006
267  22.25     0.10      0.032       (  0.217)       0.026        0.006
268  22.33     0.07      0.022       (  0.216)       0.017        0.004
269  22.42     0.07      0.022       (  0.216)       0.017        0.004
270  22.50     0.07      0.022       (  0.215)       0.017        0.004
271  22.58     0.07      0.022       (  0.214)       0.017        0.004
272  22.67     0.07      0.022       (  0.214)       0.017        0.004
273  22.75     0.07      0.022       (  0.213)       0.017        0.004
274  22.83     0.07      0.022       (  0.213)       0.017        0.004
275  22.92     0.07      0.022       (  0.212)       0.017        0.004
276  23.00     0.07      0.022       (  0.211)       0.017        0.004
277  23.08     0.07      0.022       (  0.211)       0.017        0.004
278  23.17     0.07      0.022       (  0.210)       0.017        0.004
279  23.25     0.07      0.022       (  0.210)       0.017        0.004
280  23.33     0.07      0.022       (  0.210)       0.017        0.004
281  23.42     0.07      0.022       (  0.209)       0.017        0.004
282  23.50     0.07      0.022       (  0.209)       0.017        0.004
283  23.58     0.07      0.022       (  0.209)       0.017        0.004
284  23.67     0.07      0.022       (  0.208)       0.017        0.004
285  23.75     0.07      0.022       (  0.208)       0.017        0.004
286  23.83     0.07      0.022       (  0.208)       0.017        0.004
287  23.92     0.07      0.022       (  0.208)       0.017        0.004
288  24.00     0.07      0.022       (  0.207)       0.017        0.004
          (Loss Rate Not Used)
    Sum =     100.0                                  Sum =     6.3
     Flood volume = Effective rainfall      0.52(In)
      times area      51.5(Ac.)/[(In)/(Ft.)] =       2.2(Ac.Ft)
     Total soil loss =      2.18(In)
     Total soil loss =     9.343(Ac.Ft)
     Total rainfall =      2.70(In)
     Flood volume =       97710.1 Cubic Feet
     Total soil loss =      406990.7 Cubic Feet
     ------------------------------------------------------------------
      Peak flow rate of this hydrograph =      3.691(CFS)
     ------------------------------------------------------------------
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        24 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))
```

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0009	0.12	Q				
0+10	0.0023	0.20	Q				
0+15	0.0038	0.22	Q				
0+20	0.0057	0.28	VQ				
0+25	0.0079	0.32	VQ				
0+30	0.0101	0.33	VQ				
0+35	0.0124	0.33	VQ				
0+40	0.0146	0.33	VQ				
0+45	0.0168	0.33	VQ				
0+50	0.0195	0.39	VQ				
0+55	0.0225	0.43	VQ				
1+ 0	0.0255	0.43	VQ				
1+ 5	0.0280	0.37	VQ				
1+10	0.0303	0.33	VQ				
1+15	0.0326	0.33	VQ				
1+20	0.0348	0.33	VQ				
1+25	0.0370	0.33	VQ				
1+30	0.0393	0.33	VQ				
1+35	0.0415	0.33	VQ				
1+40	0.0438	0.33	VQ				
1+45	0.0460	0.33	VQ				
1+50	0.0487	0.39	VQ				
1+55	0.0516	0.43	VQ				
2+ 0	0.0546	0.43	VQ				
2+ 5	0.0576	0.43	|Q				
2+10	0.0606	0.43	|Q				
2+15	0.0636	0.43	|Q				
2+20	0.0666	0.43	|Q				
2+25	0.0696	0.43	|Q				
2+30	0.0726	0.43	|Q				
2+35	0.0760	0.50	|Q				
2+40	0.0797	0.54	|VQ				
2+45	0.0834	0.54	|VQ				
2+50	0.0872	0.54	|VQ				
2+55	0.0909	0.54	|VQ				
3+ 0	0.0946	0.54	|VQ				
3+ 5	0.0984	0.54	|VQ				
3+10	0.1021	0.54	|VQ				
3+15	0.1058	0.54	|VQ				
3+20	0.1096	0.54	|VQ				
3+25	0.1133	0.54	| Q				
3+30	0.1171	0.54	| Q				
3+35	0.1208	0.54	| Q				
3+40	0.1245	0.54	| Q				
3+45	0.1283	0.54	| Q				
3+50	0.1324	0.60	| Q				
3+55	0.1369	0.64	| Q				
4+ 0	0.1414	0.65	| Q				
4+ 5	0.1459	0.65	| Q				
4+10	0.1503	0.65	| Q				
4+15	0.1548	0.65	| Q				
4+20	0.1597	0.71	| Q				
4+25	0.1649	0.75	| VQ				
4+30	0.1702	0.76	| Q				
4+35	0.1754	0.76	| Q				
4+40	0.1806	0.76	| Q				
4+45	0.1859	0.76	| Q				
4+50	0.1915	0.82	| Q				
4+55	0.1975	0.86	| Q				
5+ 0	0.2034	0.87	| Q				
5+ 5	0.2086	0.74	| QV				
5+10	0.2131	0.66	| QV				
5+15	0.2176	0.65	| QV				
5+20	0.2225	0.71	| QV				

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 5+25       0.2277      0.75  |  QV     |          |          |          |
 5+30       0.2330      0.76  |  QV     |          |          |          |
 5+35       0.2386      0.82  |  QV     |          |          |          |
 5+40       0.2446      0.86  |  QV     |          |          |          |
 5+45       0.2505      0.87  |  QV     |          |          |          |
 5+50       0.2565      0.87  |  QV     |          |          |          |
 5+55       0.2625      0.87  |  QV     |          |          |          |
 6+ 0       0.2685      0.87  |  QV     |          |          |          |
 6+ 5       0.2749      0.93  |  QV     |          |          |          |
 6+10       0.2816      0.97  |  Q V    |          |          |          |
 6+15       0.2883      0.98  |  Q V    |          |          |          |
 6+20       0.2950      0.98  |  Q V    |          |          |          |
 6+25       0.3018      0.98  |  Q V    |          |          |          |
 6+30       0.3085      0.98  |  Q V    |          |          |          |
 6+35       0.3157      1.04  |   QV    |          |          |          |
 6+40       0.3231      1.08  |   QV    |          |          |          |
 6+45       0.3306      1.09  |   QV    |          |          |          |
 6+50       0.3380      1.09  |   Q V   |          |          |          |
 6+55       0.3455      1.09  |   Q V   |          |          |          |
 7+ 0       0.3530      1.09  |   Q V   |          |          |          |
 7+ 5       0.3605      1.09  |   Q V   |          |          |          |
 7+10       0.3680      1.09  |   Q V   |          |          |          |
 7+15       0.3754      1.09  |   Q V   |          |          |          |
 7+20       0.3833      1.15  |   Q V   |          |          |          |
 7+25       0.3915      1.19  |   Q V   |          |          |          |
 7+30       0.3997      1.19  |   Q  V  |          |          |          |
 7+35       0.4084      1.26  |    Q V  |          |          |          |
 7+40       0.4173      1.30  |    Q V  |          |          |          |
 7+45       0.4263      1.30  |    Q V  |          |          |          |
 7+50       0.4357      1.36  |    Q V  |          |          |          |
 7+55       0.4454      1.40  |    Q V  |          |          |          |
 8+ 0       0.4551      1.41  |    Q  V |          |          |          |
 8+ 5       0.4657      1.54  |     Q V |          |          |          |
 8+10       0.4768      1.62  |     Q V |          |          |          |
 8+15       0.4880      1.63  |     Q V |          |          |          |
 8+20       0.4992      1.63  |     Q V |          |          |          |
 8+25       0.5104      1.63  |     Q  V|          |          |          |
 8+30       0.5217      1.63  |     Q  V|          |          |          |
 8+35       0.5333      1.69  |     Q  V|          |          |          |
 8+40       0.5452      1.73  |     Q  V|          |          |          |
 8+45       0.5572      1.74  |     Q  V|          |          |          |
 8+50       0.5696      1.80  |      Q  V          |          |          |
 8+55       0.5822      1.84  |      Q  V          |          |          |
 9+ 0       0.5949      1.85  |      Q  V          |          |          |
 9+ 5       0.6085      1.97  |      Q  V          |          |          |
 9+10       0.6226      2.05  |       Q |V         |          |          |
 9+15       0.6368      2.06  |       Q |V         |          |          |
 9+20       0.6515      2.12  |       Q |V         |          |          |
 9+25       0.6664      2.16  |       Q |V         |          |          |
 9+30       0.6813      2.17  |       Q | V        |          |          |
 9+35       0.6967      2.23  |       Q | V        |          |          |
 9+40       0.7124      2.27  |        Q| V        |          |          |
 9+45       0.7281      2.28  |        Q| V        |          |          |
 9+50       0.7442      2.34  |        Q|  V       |          |          |
 9+55       0.7606      2.38  |        Q|  V       |          |          |
10+ 0       0.7771      2.39  |        Q|  V       |          |          |
10+ 5       0.7905      1.95  |      Q  |   V      |          |          |
10+10       0.8020      1.67  |     Q   |   V      |          |          |
10+15       0.8133      1.63  |     Q   |   V      |          |          |
10+20       0.8245      1.63  |     Q   |   V      |          |          |
10+25       0.8357      1.63  |     Q   |   V      |          |          |
10+30       0.8469      1.63  |     Q   |    V     |          |          |
10+35       0.8603      1.94  |      Q  |    V     |          |          |
10+40       0.8750      2.14  |       Q |    V     |          |          |
10+45       0.8899      2.17  |       Q |    V     |          |          |
10+50       0.9049      2.17  |       Q |     V    |          |          |
10+55       0.9198      2.17  |       Q |     V    |          |          |
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11+ 0       0.9348      2.17  |       Q |     V   |         |         |
11+ 5       0.9493      2.11  |       Q |     V   |         |         |
11+10       0.9636      2.07  |       Q |      V  |         |         |
11+15       0.9778      2.06  |       Q |      V  |         |         |
11+20       0.9920      2.06  |       Q |      V  |         |         |
11+25       1.0062      2.06  |       Q |      V  |         |         |
11+30       1.0204      2.06  |       Q |       V |         |         |
11+35       1.0338      1.94  |      Q  |       V |         |         |
11+40       1.0466      1.86  |      Q  |       V |         |         |
11+45       1.0593      1.85  |      Q  |       V |         |         |
11+50       1.0724      1.91  |      Q  |        V|         |         |
11+55       1.0858      1.95  |      Q  |        V|         |         |
12+ 0       1.0993      1.95  |      Q  |        V|         |         |
12+ 5       1.1157      2.39  |        Q|        V|         |         |
12+10       1.1341      2.67  |         Q         V         |         |
12+15       1.1528      2.71  |         Q         V         |         |
12+20       1.1719      2.78  |         |Q        V         |         |
12+25       1.1913      2.82  |         |Q        |V        |         |
12+30       1.2108      2.82  |         |Q        |V        |         |
12+35       1.2311      2.95  |         |Q        |V        |         |
12+40       1.2519      3.03  |         | Q       | V       |         |
12+45       1.2728      3.04  |         | Q       | V       |         |
12+50       1.2942      3.10  |         | Q       |  V      |         |
12+55       1.3158      3.14  |         | Q       |  V      |         |
13+ 0       1.3375      3.15  |         | Q       |  V      |         |
13+ 5       1.3613      3.46  |         |  Q      |   V     |         |
13+10       1.3865      3.66  |         |   Q     |   V     |         |
13+15       1.4120      3.69  |         |   Q     |    V    |         |
13+20       1.4374      3.69  |         |   Q     |    V    |         |
13+25       1.4628      3.69  |         |   Q     |     V   |         |
13+30       1.4882      3.69  |         |   Q     |     V   |         |
13+35       1.5089      3.01  |         | Q       |     V   |         |
13+40       1.5266      2.57  |         Q         |      V  |         |
13+45       1.5438      2.50  |        Q|         |      V  |         |
13+50       1.5610      2.50  |        Q|         |      V  |         |
13+55       1.5782      2.50  |        Q|         |       V |         |
14+ 0       1.5954      2.50  |        Q|         |       V |         |
14+ 5       1.6143      2.75  |         Q         |       V |         |
14+10       1.6343      2.91  |         |Q        |        V|         |
14+15       1.6545      2.93  |         |Q        |        V|         |
14+20       1.6743      2.87  |         |Q        |        V|         |
14+25       1.6938      2.83  |         |Q        |         V         |
14+30       1.7132      2.82  |         |Q        |         V         |
14+35       1.7327      2.82  |         |Q        |         V         |
14+40       1.7521      2.82  |         |Q        |         |V        |
14+45       1.7715      2.82  |         |Q        |         |V        |
14+50       1.7905      2.76  |         |Q        |         |V        |
14+55       1.8093      2.72  |         Q         |         | V       |
15+ 0       1.8280      2.71  |         Q         |         | V       |
15+ 5       1.8462      2.65  |         Q         |         | V       |
15+10       1.8642      2.61  |         Q         |         |  V      |
15+15       1.8822      2.61  |         Q         |         |  V      |
15+20       1.8997      2.54  |         Q         |         |  V      |
15+25       1.9169      2.50  |         Q         |         |   V     |
15+30       1.9341      2.50  |        Q|         |         |   V     |
15+35       1.9496      2.25  |       Q |         |         |   V     |
15+40       1.9640      2.09  |       Q |         |         |    V    |
15+45       1.9782      2.06  |       Q |         |         |    V    |
15+50       1.9924      2.06  |       Q |         |         |    V    |
15+55       2.0066      2.06  |       Q |         |         |    V    |
16+ 0       2.0208      2.06  |       Q |         |         |     V   |
16+ 5       2.0286      1.13  |   Q     |         |         |     V   |
16+10       2.0323      0.53  | Q       |         |         |     V   |
16+15       2.0353      0.43  |Q        |         |         |     V   |
16+20       2.0383      0.43  |Q        |         |         |     V   |
16+25       2.0413      0.43  |Q        |         |         |     V   |
16+30       2.0443      0.43  |Q        |         |         |     V   |
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16+35       2.0468      0.37  |Q        |          |          |     V   |
16+40       2.0491      0.33  |Q        |          |          |     V   |
16+45       2.0514      0.33  |Q        |          |          |     V   |
16+50       2.0536      0.33  |Q        |          |          |     V   |
16+55       2.0558      0.33  |Q        |          |          |     V   |
17+ 0       2.0581      0.33  |Q        |          |          |     V   |
17+ 5       2.0612      0.45  |Q        |          |          |     V   |
17+10       2.0648      0.53  | Q       |          |          |     V   |
17+15       2.0686      0.54  | Q       |          |          |     V   |
17+20       2.0723      0.54  | Q       |          |          |     V   |
17+25       2.0760      0.54  | Q       |          |          |      V  |
17+30       2.0798      0.54  | Q       |          |          |      V  |
17+35       2.0835      0.54  | Q       |          |          |      V  |
17+40       2.0873      0.54  | Q       |          |          |      V  |
17+45       2.0910      0.54  | Q       |          |          |      V  |
17+50       2.0943      0.48  |Q        |          |          |      V  |
17+55       2.0973      0.44  |Q        |          |          |      V  |
18+ 0       2.1003      0.43  |Q        |          |          |      V  |
18+ 5       2.1033      0.43  |Q        |          |          |      V  |
18+10       2.1063      0.43  |Q        |          |          |      V  |
18+15       2.1093      0.43  |Q        |          |          |      V  |
18+20       2.1123      0.43  |Q        |          |          |      V  |
18+25       2.1153      0.43  |Q        |          |          |      V  |
18+30       2.1183      0.43  |Q        |          |          |      V  |
18+35       2.1208      0.37  |Q        |          |          |      V  |
18+40       2.1231      0.33  |Q        |          |          |      V  |
18+45       2.1254      0.33  |Q        |          |          |      V  |
18+50       2.1272      0.26  |Q        |          |          |      V  |
18+55       2.1287      0.22  Q         |          |          |      V  |
19+ 0       2.1302      0.22  Q         |          |          |      V  |
19+ 5       2.1322      0.28  |Q        |          |          |       V |
19+10       2.1343      0.32  |Q        |          |          |       V |
19+15       2.1366      0.33  |Q        |          |          |       V |
19+20       2.1393      0.39  |Q        |          |          |       V |
19+25       2.1422      0.43  |Q        |          |          |       V |
19+30       2.1452      0.43  |Q        |          |          |       V |
19+35       2.1478      0.37  |Q        |          |          |       V |
19+40       2.1501      0.33  |Q        |          |          |       V |
19+45       2.1523      0.33  |Q        |          |          |       V |
19+50       2.1541      0.26  |Q        |          |          |       V |
19+55       2.1557      0.22  Q         |          |          |       V |
20+ 0       2.1571      0.22  Q         |          |          |       V |
20+ 5       2.1591      0.28  |Q        |          |          |       V |
20+10       2.1613      0.32  |Q        |          |          |       V |
20+15       2.1635      0.33  |Q        |          |          |       V |
20+20       2.1658      0.33  |Q        |          |          |       V |
20+25       2.1680      0.33  |Q        |          |          |       V |
20+30       2.1702      0.33  |Q        |          |          |       V |
20+35       2.1725      0.33  |Q        |          |          |       V |
20+40       2.1747      0.33  |Q        |          |          |       V |
20+45       2.1770      0.33  |Q        |          |          |       V |
20+50       2.1788      0.26  |Q        |          |          |       V |
20+55       2.1803      0.22  Q         |          |          |       V |
21+ 0       2.1818      0.22  Q         |          |          |       V |
21+ 5       2.1837      0.28  |Q        |          |          |       V |
21+10       2.1859      0.32  |Q        |          |          |       V |
21+15       2.1882      0.33  |Q        |          |          |        V|
21+20       2.1900      0.26  |Q        |          |          |        V|
21+25       2.1915      0.22  Q         |          |          |        V|
21+30       2.1930      0.22  Q         |          |          |        V|
21+35       2.1950      0.28  |Q        |          |          |        V|
21+40       2.1972      0.32  |Q        |          |          |        V|
21+45       2.1994      0.33  |Q        |          |          |        V|
21+50       2.2012      0.26  |Q        |          |          |        V|
21+55       2.2028      0.22  Q         |          |          |        V|
22+ 0       2.2043      0.22  Q         |          |          |        V|
22+ 5       2.2062      0.28  |Q        |          |          |        V|
```

22+10	2.2084	0.32	|Q	|	|	|	V|
22+15	2.2106	0.33	|Q	|	|	|	V|
22+20	2.2124	0.26	|Q	|	|	|	V|
22+25	2.2140	0.22	Q	|	|	|	V|
22+30	2.2155	0.22	Q	|	|	|	V|
22+35	2.2170	0.22	Q	|	|	|	V|
22+40	2.2185	0.22	Q	|	|	|	V|
22+45	2.2200	0.22	Q	|	|	|	V|
22+50	2.2214	0.22	Q	|	|	|	V|
22+55	2.2229	0.22	Q	|	|	|	V|
23+ 0	2.2244	0.22	Q	|	|	|	V|
23+ 5	2.2259	0.22	Q	|	|	|	V|
23+10	2.2274	0.22	Q	|	|	|	V|
23+15	2.2289	0.22	Q	|	|	|	V|
23+20	2.2304	0.22	Q	|	|	|	V|
23+25	2.2319	0.22	Q	|	|	|	V|
23+30	2.2334	0.22	Q	|	|	|	V|
23+35	2.2349	0.22	Q	|	|	|	V|
23+40	2.2364	0.22	Q	|	|	|	V|
23+45	2.2379	0.22	Q	|	|	|	V|
23+50	2.2394	0.22	Q	|	|	|	V|
23+55	2.2409	0.22	Q	|	|	|	V|
24+ 0	2.2424	0.22	Q	|	|	|	V|
24+ 5	2.2430	0.09	Q	|	|	|	V|
24+10	2.2431	0.01	Q	|	|	|	V|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/17/21 File: RVPRA110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- PROPOSED UNIT HYDROGRAPH
10YR-1HR STORM

Drainage Area = 51.50(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.50(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 1314.50(Ft.)
Length along longest watercourse measured to centroid = 1017.40(Ft.)
Length along longest watercourse = 0.249 Mi.
Length along longest watercourse measured to centroid = 0.193 Mi.
Difference in elevation = 444.00(Ft.)
Slope along watercourse = 1783.4310 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.64 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	0.55	28.33

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	1.30	66.95

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 0.859(In)
Areal adjustment factor = 99.95 %
Adjusted average point rain = 0.858(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.500	78.00	0.117

Total Area Entered = 51.50(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
     78.0  78.0      0.268     0.117        0.239       1.000      0.239
                                                        Sum (F) =   0.239
     Area averaged mean soil loss (F) (In/Hr) =  0.415
     Minimum soil loss rate ((In/Hr)) =  0.207
     (for 24 hour storm duration)
     Note: User entry of the f value
     Soil low loss rate (decimal) =   0.806
     ------------------------------------------------------------------------
     Slope of intensity-duration curve for a 1 hour storm =0.5500
     ------------------------------------------------------------------------

                 U n i t  H y d r o g r a p h
                        VALLEY S-Curve
     ------------------------------------------------------------------------
                 Unit Hydrograph Data
     ------------------------------------------------------------------------
     Unit time period   Time % of lag   Distribution   Unit Hydrograph
         (hrs)                           Graph %           (CFS)
     ------------------------------------------------------------------------
         1   0.083        304.425         57.130             29.652
         2   0.167        608.851         36.886             19.145
         3   0.250        913.276          5.984              3.106
                                  Sum = 100.000   Sum=      51.902
-------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)          Max    |   Low        (In/Hr)
   1   0.08     3.30      0.340       (  0.415)       0.274        0.066
   2   0.17     4.20      0.433       (  0.415)       0.349        0.084
   3   0.25     4.40      0.453       (  0.415)       0.365        0.088
   4   0.33     4.80      0.494       (  0.415)       0.399        0.096
   5   0.42     5.20      0.535          0.415    (  0.432)        0.121
   6   0.50     6.20      0.638          0.415    (  0.515)        0.224
   7   0.58     6.80      0.700          0.415    (  0.565)        0.286
   8   0.67     8.80      0.906          0.415    (  0.731)        0.492
   9   0.75    13.90      1.431          0.415    (  1.154)        1.017
  10   0.83    31.40      3.234          0.415    (  2.608)        2.819
  11   0.92     7.20      0.741          0.415    (  0.598)        0.327
  12   1.00     3.80      0.391       (  0.415)       0.316        0.076
             (Loss Rate Not Used)
     Sum =     100.0                                  Sum =     5.7
      Flood volume = Effective rainfall      0.47(In)
       times area      51.5(Ac.)/[(In)/(Ft.)] =       2.0(Ac.Ft)
      Total soil loss =      0.38(In)
      Total soil loss =     1.647(Ac.Ft)
      Total rainfall =      0.86(In)
      Flood volume =       88682.4 Cubic Feet
      Total soil loss =       71745.4 Cubic Feet
      ------------------------------------------------------------------------
       Peak flow rate of this hydrograph =    104.628(CFS)
      ------------------------------------------------------------------------
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        1 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
      ------------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ------------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       50.0     100.0     150.0     200.0
  ------------------------------------------------------------------------
    0+ 5       0.0134      1.95  Q         |         |         |         |
    0+10       0.0392      3.74  Q         |         |         |         |
    0+15       0.0696      4.41  QV        |         |         |         |
```

```
    0+20       0.1025      4.78  Q V       |          |          |          |
    0+25       0.1417      5.69  |QV       |          |          |          |
    0+30       0.2054      9.25  |Q  V     |          |          |          |
    0+35       0.2958     13.13  | Q  V    |          |          |          |
    0+40       0.4387     20.75  |   Q   V |          |          |          |
    0+45       0.7174     40.46  |       Q |   V      |          |          |
    0+50       1.4380    104.63  |         |          Q       V |          |
    0+55       1.8984     66.85  |         |  Q       |          |      V   |
    1+ 0       2.0173     17.27  |  Q      |          |          |        V |
    1+ 5       2.0342      2.47  Q         |          |          |        V |
    1+10       2.0359      0.24  Q         |          |          |          V
---------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/17/21 File: RVPRA310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- PROPOSED UNIT HYDROGRAPH
10YR-3HR STORM

Drainage Area = 51.50(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.50(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 1314.50(Ft.)
Length along longest watercourse measured to centroid = 1017.40(Ft.)
Length along longest watercourse = 0.249 Mi.
Length along longest watercourse measured to centroid = 0.193 Mi.
Difference in elevation = 444.00(Ft.)
Slope along watercourse = 1783.4310 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.64 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	1.10	56.65

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	2.00	103.00

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 1.470(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 1.470(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.500	78.00	0.117

Total Area Entered = 51.50(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
78.0  78.0      0.268     0.117        0.239       1.000      0.239
                                                  Sum (F) =   0.239
Area averaged mean soil loss (F) (In/Hr) =  0.415
Minimum soil loss rate ((In/Hr)) =  0.207
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) =   0.806
------------------------------------------------------------------------

            U n i t  H y d r o g r a p h
                   VALLEY S-Curve
------------------------------------------------------------------------
            Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
       1   0.083        304.425         57.130             29.652
       2   0.167        608.851         36.886             19.145
       3   0.250        913.276          5.984              3.106
                               Sum = 100.000   Sum=      51.902
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.229	(0.415)	0.185	0.044
2	0.17	1.30	0.229	(0.415)	0.185	0.044
3	0.25	1.10	0.194	(0.415)	0.156	0.038
4	0.33	1.50	0.265	(0.415)	0.213	0.051
5	0.42	1.50	0.265	(0.415)	0.213	0.051
6	0.50	1.80	0.318	(0.415)	0.256	0.061
7	0.58	1.50	0.265	(0.415)	0.213	0.051
8	0.67	1.80	0.318	(0.415)	0.256	0.061
9	0.75	1.80	0.318	(0.415)	0.256	0.061
10	0.83	1.50	0.265	(0.415)	0.213	0.051
11	0.92	1.60	0.282	(0.415)	0.228	0.055
12	1.00	1.80	0.318	(0.415)	0.256	0.061
13	1.08	2.20	0.388	(0.415)	0.313	0.075
14	1.17	2.20	0.388	(0.415)	0.313	0.075
15	1.25	2.20	0.388	(0.415)	0.313	0.075
16	1.33	2.00	0.353	(0.415)	0.284	0.068
17	1.42	2.60	0.459	(0.415)	0.370	0.089
18	1.50	2.70	0.476	(0.415)	0.384	0.092
19	1.58	2.40	0.423	(0.415)	0.341	0.082
20	1.67	2.70	0.476	(0.415)	0.384	0.092
21	1.75	3.30	0.582	0.415	(0.469)	0.167
22	1.83	3.10	0.547	0.415	(0.441)	0.132
23	1.92	2.90	0.512	(0.415)	0.413	0.099
24	2.00	3.00	0.529	0.415	(0.427)	0.114
25	2.08	3.10	0.547	0.415	(0.441)	0.132
26	2.17	4.20	0.741	0.415	(0.597)	0.326
27	2.25	5.00	0.882	0.415	(0.711)	0.467
28	2.33	3.50	0.617	0.415	(0.498)	0.203
29	2.42	6.80	1.199	0.415	(0.967)	0.785
30	2.50	7.30	1.288	0.415	(1.038)	0.873
31	2.58	8.20	1.446	0.415	(1.166)	1.032
32	2.67	5.90	1.041	0.415	(0.839)	0.626
33	2.75	2.00	0.353	(0.415)	0.284	0.068
34	2.83	1.80	0.318	(0.415)	0.256	0.061
35	2.92	1.80	0.318	(0.415)	0.256	0.061
36	3.00	0.60	0.106	(0.415)	0.085	0.020

(Loss Rate Not Used)

```
   Sum =     100.0                                    Sum =     6.4
     Flood volume = Effective rainfall      0.54(In)
      times area      51.5(Ac.)/[(In)/(Ft.)] =       2.3(Ac.Ft)
     Total soil loss =      0.93(In)
     Total soil loss =     4.002(Ac.Ft)
     Total rainfall =      1.47(In)
     Flood volume =      100465.7 Cubic Feet
     Total soil loss =      174331.5 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     49.767(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         3 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       12.5      25.0      37.5      50.0
  ----------------------------------------------------------------------
    0+ 5       0.0091      1.32  VQ        |         |         |         |
    0+10       0.0240      2.17  VQ        |         |         |         |
    0+15       0.0385      2.10  VQ        |         |         |         |
    0+20       0.0549      2.38  VQ        |         |         |         |
    0+25       0.0729      2.62  |VQ       |         |         |         |
    0+30       0.0933      2.96  |VQ       |         |         |         |
    0+35       0.1130      2.86  |VQ       |         |         |         |
    0+40       0.1336      3.00  | Q       |         |         |         |
    0+45       0.1554      3.16  | Q       |         |         |         |
    0+50       0.1753      2.89  | QV      |         |         |         |
    0+55       0.1945      2.79  | QV      |         |         |         |
    1+ 0       0.2154      3.03  | QV      |         |         |         |
    1+ 5       0.2400      3.58  | Q V     |         |         |         |
    1+10       0.2666      3.86  |  QV     |         |         |         |
    1+15       0.2934      3.90  |  Q V    |         |         |         |
    1+20       0.3189      3.70  | Q  V    |         |         |         |
    1+25       0.3477      4.18  |  Q  V   |         |         |         |
    1+30       0.3797      4.65  |  Q  V   |         |         |         |
    1+35       0.4105      4.47  |  Q   V  |         |         |         |
    1+40       0.4421      4.59  |  Q   V  |         |         |         |
    1+45       0.4902      6.99  |    Q  V |         |         |         |
    1+50       0.5413      7.41  |    Q   V|         |         |         |
    1+55       0.5825      5.99  |   Q     V         |         |         |
    2+ 0       0.6218      5.70  |   Q     V         |         |         |
    2+ 5       0.6660      6.42  |    Q    |V        |         |         |
    2+10       0.7525     12.56  |         Q  V      |         |         |
    2+15       0.8938     20.52  |         |    VQ   |         |         |
    2+20       1.0039     15.98  |         | Q    V  |         |         |
    2+25       1.2009     28.62  |         |         V Q       |         |
    2+30       1.4872     41.56  |         |         |    V    |  Q      |
    2+35       1.8299     49.77  |         |         |         |V       Q|
    2+40       2.1126     41.05  |         |         |         | Q   V   |
    2+45       2.2312     17.22  |         |  Q      |         |       V |
    2+50       2.2662      5.08  |   Q     |         |         |        V|
    2+55       2.2883      3.21  | Q       |         |         |        V|
    3+ 0       2.3019      1.98  |Q        |         |         |        V|
    3+ 5       2.3059      0.58  Q         |         |         |        V|
    3+10       2.3064      0.06  Q         |         |         |         V
  ----------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/17/21 File: RVPRA610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- PROPOSED UNIT HYDROGRAPH
10YR-6HR STORM

Drainage Area = 51.50(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.50(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 1314.50(Ft.)
Length along longest watercourse measured to centroid = 1017.40(Ft.)
Length along longest watercourse = 0.249 Mi.
Length along longest watercourse measured to centroid = 0.193 Mi.
Difference in elevation = 444.00(Ft.)
Slope along watercourse = 1783.4310 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.64 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	1.60	82.40

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	3.00	154.50

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 2.176(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.176(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.500	78.00	0.117

Total Area Entered = 51.50(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
78.0  78.0      0.268     0.117        0.239       1.000      0.239
                                                  Sum (F) =   0.239
Area averaged mean soil loss (F) (In/Hr) =  0.415
Minimum soil loss rate ((In/Hr)) =  0.207
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) =   0.806
```

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	304.425	57.130	29.652
2	0.167	608.851	36.886	19.145
3	0.250	913.276	5.984	3.106
		Sum = 100.000	Sum=	51.902

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.131	(0.415)	0.105	0.025
2	0.17	0.60	0.157	(0.415)	0.126	0.030
3	0.25	0.60	0.157	(0.415)	0.126	0.030
4	0.33	0.60	0.157	(0.415)	0.126	0.030
5	0.42	0.60	0.157	(0.415)	0.126	0.030
6	0.50	0.70	0.183	(0.415)	0.147	0.035
7	0.58	0.70	0.183	(0.415)	0.147	0.035
8	0.67	0.70	0.183	(0.415)	0.147	0.035
9	0.75	0.70	0.183	(0.415)	0.147	0.035
10	0.83	0.70	0.183	(0.415)	0.147	0.035
11	0.92	0.70	0.183	(0.415)	0.147	0.035
12	1.00	0.80	0.209	(0.415)	0.168	0.040
13	1.08	0.80	0.209	(0.415)	0.168	0.040
14	1.17	0.80	0.209	(0.415)	0.168	0.040
15	1.25	0.80	0.209	(0.415)	0.168	0.040
16	1.33	0.80	0.209	(0.415)	0.168	0.040
17	1.42	0.80	0.209	(0.415)	0.168	0.040
18	1.50	0.80	0.209	(0.415)	0.168	0.040
19	1.58	0.80	0.209	(0.415)	0.168	0.040
20	1.67	0.80	0.209	(0.415)	0.168	0.040
21	1.75	0.80	0.209	(0.415)	0.168	0.040
22	1.83	0.80	0.209	(0.415)	0.168	0.040
23	1.92	0.80	0.209	(0.415)	0.168	0.040
24	2.00	0.90	0.235	(0.415)	0.189	0.045
25	2.08	0.80	0.209	(0.415)	0.168	0.040
26	2.17	0.90	0.235	(0.415)	0.189	0.045
27	2.25	0.90	0.235	(0.415)	0.189	0.045
28	2.33	0.90	0.235	(0.415)	0.189	0.045
29	2.42	0.90	0.235	(0.415)	0.189	0.045
30	2.50	0.90	0.235	(0.415)	0.189	0.045
31	2.58	0.90	0.235	(0.415)	0.189	0.045
32	2.67	0.90	0.235	(0.415)	0.189	0.045
33	2.75	1.00	0.261	(0.415)	0.211	0.051
34	2.83	1.00	0.261	(0.415)	0.211	0.051
35	2.92	1.00	0.261	(0.415)	0.211	0.051
36	3.00	1.00	0.261	(0.415)	0.211	0.051
37	3.08	1.00	0.261	(0.415)	0.211	0.051

```
38   3.17     1.10      0.287       (  0.415)       0.232        0.056
39   3.25     1.10      0.287       (  0.415)       0.232        0.056
40   3.33     1.10      0.287       (  0.415)       0.232        0.056
41   3.42     1.20      0.313       (  0.415)       0.253        0.061
42   3.50     1.30      0.339       (  0.415)       0.274        0.066
43   3.58     1.40      0.365       (  0.415)       0.295        0.071
44   3.67     1.40      0.365       (  0.415)       0.295        0.071
45   3.75     1.50      0.392       (  0.415)       0.316        0.076
46   3.83     1.50      0.392       (  0.415)       0.316        0.076
47   3.92     1.60      0.418       (  0.415)       0.337        0.081
48   4.00     1.60      0.418       (  0.415)       0.337        0.081
49   4.08     1.70      0.444       (  0.415)       0.358        0.086
50   4.17     1.80      0.470       (  0.415)       0.379        0.091
51   4.25     1.90      0.496       (  0.415)       0.400        0.096
52   4.33     2.00      0.522          0.415    (  0.421)       0.107
53   4.42     2.10      0.548          0.415    (  0.442)       0.134
54   4.50     2.10      0.548          0.415    (  0.442)       0.134
55   4.58     2.20      0.574          0.415    (  0.463)       0.160
56   4.67     2.30      0.600          0.415    (  0.484)       0.186
57   4.75     2.40      0.627          0.415    (  0.505)       0.212
58   4.83     2.40      0.627          0.415    (  0.505)       0.212
59   4.92     2.50      0.653          0.415    (  0.526)       0.238
60   5.00     2.60      0.679          0.415    (  0.547)       0.264
61   5.08     3.10      0.809          0.415    (  0.653)       0.395
62   5.17     3.60      0.940          0.415    (  0.758)       0.525
63   5.25     3.90      1.018          0.415    (  0.821)       0.603
64   5.33     4.20      1.096          0.415    (  0.884)       0.682
65   5.42     4.70      1.227          0.415    (  0.989)       0.812
66   5.50     5.60      1.462          0.415    (  1.179)       1.047
67   5.58     1.90      0.496       (  0.415)       0.400        0.096
68   5.67     0.90      0.235       (  0.415)       0.189        0.045
69   5.75     0.60      0.157       (  0.415)       0.126        0.030
70   5.83     0.50      0.131       (  0.415)       0.105        0.025
71   5.92     0.30      0.078       (  0.415)       0.063        0.015
72   6.00     0.20      0.052       (  0.415)       0.042        0.010
            (Loss Rate Not Used)
   Sum =     100.0                                    Sum =     8.5
     Flood volume = Effective rainfall      0.70(In)
      times area      51.5(Ac.)/[(In)/(Ft.)] =       3.0(Ac.Ft)
     Total soil loss =      1.47(In)
     Total soil loss =     6.313(Ac.Ft)
     Total rainfall =      2.18(In)
     Flood volume =      131714.3 Cubic Feet
     Total soil loss =      275000.7 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     48.748(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       12.5      25.0      37.5      50.0
-------------------------------------------------------------------------
  0+ 5       0.0052      0.75  Q         |         |         |         |
  0+10       0.0147      1.38  VQ        |         |         |         |
  0+15       0.0254      1.56  VQ        |         |         |         |
  0+20       0.0363      1.57  VQ        |         |         |         |
  0+25       0.0471      1.57  VQ        |         |         |         |
  0+30       0.0590      1.72  VQ        |         |         |         |
  0+35       0.0715      1.82  VQ        |         |         |         |
  0+40       0.0842      1.84  |Q        |         |         |         |
  0+45       0.0969      1.84  |Q        |         |         |         |
  0+50       0.1095      1.84  |Q        |         |         |         |
  0+55       0.1222      1.84  |Q        |         |         |         |
```

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   1+ 0       0.1358      1.99  |Q        |          |          |          |
   1+ 5       0.1502      2.08  |Q        |          |          |          |
   1+10       0.1647      2.10  |QV       |          |          |          |
   1+15       0.1791      2.10  |QV       |          |          |          |
   1+20       0.1936      2.10  |QV       |          |          |          |
   1+25       0.2080      2.10  |QV       |          |          |          |
   1+30       0.2225      2.10  |QV       |          |          |          |
   1+35       0.2370      2.10  |Q V      |          |          |          |
   1+40       0.2514      2.10  |Q V      |          |          |          |
   1+45       0.2659      2.10  |Q V      |          |          |          |
   1+50       0.2803      2.10  |Q V      |          |          |          |
   1+55       0.2948      2.10  |Q V      |          |          |          |
   2+ 0       0.3103      2.25  |Q  V     |          |          |          |
   2+ 5       0.3254      2.20  |Q  V     |          |          |          |
   2+10       0.3410      2.27  |Q  V     |          |          |          |
   2+15       0.3572      2.35  |Q  V     |          |          |          |
   2+20       0.3735      2.36  |Q  V     |          |          |          |
   2+25       0.3897      2.36  |Q   V    |          |          |          |
   2+30       0.4060      2.36  |Q   V    |          |          |          |
   2+35       0.4223      2.36  |Q   V    |          |          |          |
   2+40       0.4385      2.36  |Q   V    |          |          |          |
   2+45       0.4558      2.51  | Q   V   |          |          |          |
   2+50       0.4738      2.61  | Q   V   |          |          |          |
   2+55       0.4919      2.62  | Q   V   |          |          |          |
   3+ 0       0.5100      2.62  | Q   V   |          |          |          |
   3+ 5       0.5280      2.62  | Q   V   |          |          |          |
   3+10       0.5471      2.77  | Q    V  |          |          |          |
   3+15       0.5669      2.87  | Q    V  |          |          |          |
   3+20       0.5868      2.89  | Q    V  |          |          |          |
   3+25       0.6077      3.04  | Q     V |          |          |          |
   3+30       0.6303      3.28  | Q     V |          |          |          |
   3+35       0.6548      3.55  | Q     V |          |          |          |
   3+40       0.6800      3.66  | Q     V |          |          |          |
   3+45       0.7063      3.82  |  Q     V|          |          |          |
   3+50       0.7333      3.92  |  Q     V|          |          |          |
   3+55       0.7614      4.09  |  Q      V          |          |          |
   4+ 0       0.7903      4.18  |  Q      V          |          |          |
   4+ 5       0.8202      4.35  |  Q      V          |          |          |
   4+10       0.8519      4.60  |  Q      |V         |          |          |
   4+15       0.8853      4.86  |  Q      |V         |          |          |
   4+20       0.9219      5.31  |   Q     | V        |          |          |
   4+25       0.9654      6.32  |    Q    | V        |          |          |
   4+30       1.0126      6.85  |    Q    |  V       |          |          |
   4+35       1.0657      7.71  |     Q   |   V      |          |          |
   4+40       1.1276      8.98  |      Q  |   V      |          |          |
   4+45       1.1988     10.34  |       Q |    V     |          |          |
   4+50       1.2740     10.92  |       Q |     V    |          |          |
   4+55       1.3551     11.78  |        Q|      V   |          |          |
   5+ 0       1.4450     13.05  |         Q        V|          |          |
   5+ 5       1.5655     17.50  |          |   Q     V          |          |
   5+10       1.7305     23.96  |          |         Q| V        |          |
   5+15       1.9315     29.19  |          |          |  Q V     |          |
   5+20       2.1617     33.42  |          |          |     Q V  |          |
   5+25       2.4305     39.03  |          |          |          |QV        |
   5+30       2.7663     48.75  |          |          |          |     V Q  |
   5+35       2.9414     25.43  |          |          Q          |       V  |
   5+40       2.9858      6.44  |    Q     |          |          |        V |
   5+45       3.0000      2.07  |Q         |          |          |        V |
   5+50       3.0102      1.47  |Q         |          |          |        V |
   5+55       3.0173      1.03  Q          |          |          |        V |
   6+ 0       3.0219      0.67  Q          |          |          |        V |
   6+ 5       3.0235      0.24  Q          |          |          |        V |
   6+10       3.0237      0.03  Q          |          |          |         V
--------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/17/21 File: RVPRA2410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- PROPOSED UNIT HYDROGRAPH
10YR-24HR STORM

Drainage Area = 51.50(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.50(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 1314.50(Ft.)
Length along longest watercourse measured to centroid = 1017.40(Ft.)
Length along longest watercourse = 0.249 Mi.
Length along longest watercourse measured to centroid = 0.193 Mi.
Difference in elevation = 444.00(Ft.)
Slope along watercourse = 1783.4310 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.64 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	2.70	139.05

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	7.00	360.50

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 4.469(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 4.469(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.500	78.00	0.117

Total Area Entered = 51.50(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
78.0  78.0      0.268     0.117        0.239       1.000      0.239
                                                  Sum (F) =   0.239
Area averaged mean soil loss (F) (In/Hr) =  0.415
Minimum soil loss rate ((In/Hr)) =  0.207
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) =   0.806
------------------------------------------------------------------------

            U n i t  H y d r o g r a p h
                   VALLEY S-Curve
------------------------------------------------------------------------
            Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
       1   0.083        304.425         57.130             29.652
       2   0.167        608.851         36.886             19.145
       3   0.250        913.276          5.984              3.106
                               Sum = 100.000   Sum=         51.902
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.036	(0.735)	0.029	0.007
2	0.17	0.07	0.036	(0.732)	0.029	0.007
3	0.25	0.07	0.036	(0.729)	0.029	0.007
4	0.33	0.10	0.054	(0.727)	0.043	0.010
5	0.42	0.10	0.054	(0.724)	0.043	0.010
6	0.50	0.10	0.054	(0.721)	0.043	0.010
7	0.58	0.10	0.054	(0.718)	0.043	0.010
8	0.67	0.10	0.054	(0.715)	0.043	0.010
9	0.75	0.10	0.054	(0.713)	0.043	0.010
10	0.83	0.13	0.071	(0.710)	0.058	0.014
11	0.92	0.13	0.071	(0.707)	0.058	0.014
12	1.00	0.13	0.071	(0.704)	0.058	0.014
13	1.08	0.10	0.054	(0.701)	0.043	0.010
14	1.17	0.10	0.054	(0.699)	0.043	0.010
15	1.25	0.10	0.054	(0.696)	0.043	0.010
16	1.33	0.10	0.054	(0.693)	0.043	0.010
17	1.42	0.10	0.054	(0.690)	0.043	0.010
18	1.50	0.10	0.054	(0.688)	0.043	0.010
19	1.58	0.10	0.054	(0.685)	0.043	0.010
20	1.67	0.10	0.054	(0.682)	0.043	0.010
21	1.75	0.10	0.054	(0.679)	0.043	0.010
22	1.83	0.13	0.071	(0.677)	0.058	0.014
23	1.92	0.13	0.071	(0.674)	0.058	0.014
24	2.00	0.13	0.071	(0.671)	0.058	0.014
25	2.08	0.13	0.071	(0.668)	0.058	0.014
26	2.17	0.13	0.071	(0.666)	0.058	0.014
27	2.25	0.13	0.071	(0.663)	0.058	0.014
28	2.33	0.13	0.071	(0.660)	0.058	0.014
29	2.42	0.13	0.071	(0.658)	0.058	0.014
30	2.50	0.13	0.071	(0.655)	0.058	0.014
31	2.58	0.17	0.089	(0.652)	0.072	0.017
32	2.67	0.17	0.089	(0.650)	0.072	0.017
33	2.75	0.17	0.089	(0.647)	0.072	0.017
34	2.83	0.17	0.089	(0.644)	0.072	0.017
35	2.92	0.17	0.089	(0.642)	0.072	0.017
36	3.00	0.17	0.089	(0.639)	0.072	0.017
37	3.08	0.17	0.089	(0.636)	0.072	0.017

38	3.17	0.17	0.089	(0.634)	0.072	0.017
39	3.25	0.17	0.089	(0.631)	0.072	0.017
40	3.33	0.17	0.089	(0.628)	0.072	0.017
41	3.42	0.17	0.089	(0.626)	0.072	0.017
42	3.50	0.17	0.089	(0.623)	0.072	0.017
43	3.58	0.17	0.089	(0.621)	0.072	0.017
44	3.67	0.17	0.089	(0.618)	0.072	0.017
45	3.75	0.17	0.089	(0.615)	0.072	0.017
46	3.83	0.20	0.107	(0.613)	0.086	0.021
47	3.92	0.20	0.107	(0.610)	0.086	0.021
48	4.00	0.20	0.107	(0.608)	0.086	0.021
49	4.08	0.20	0.107	(0.605)	0.086	0.021
50	4.17	0.20	0.107	(0.602)	0.086	0.021
51	4.25	0.20	0.107	(0.600)	0.086	0.021
52	4.33	0.23	0.125	(0.597)	0.101	0.024
53	4.42	0.23	0.125	(0.595)	0.101	0.024
54	4.50	0.23	0.125	(0.592)	0.101	0.024
55	4.58	0.23	0.125	(0.590)	0.101	0.024
56	4.67	0.23	0.125	(0.587)	0.101	0.024
57	4.75	0.23	0.125	(0.585)	0.101	0.024
58	4.83	0.27	0.143	(0.582)	0.115	0.028
59	4.92	0.27	0.143	(0.580)	0.115	0.028
60	5.00	0.27	0.143	(0.577)	0.115	0.028
61	5.08	0.20	0.107	(0.575)	0.086	0.021
62	5.17	0.20	0.107	(0.572)	0.086	0.021
63	5.25	0.20	0.107	(0.570)	0.086	0.021
64	5.33	0.23	0.125	(0.567)	0.101	0.024
65	5.42	0.23	0.125	(0.565)	0.101	0.024
66	5.50	0.23	0.125	(0.562)	0.101	0.024
67	5.58	0.27	0.143	(0.560)	0.115	0.028
68	5.67	0.27	0.143	(0.557)	0.115	0.028
69	5.75	0.27	0.143	(0.555)	0.115	0.028
70	5.83	0.27	0.143	(0.552)	0.115	0.028
71	5.92	0.27	0.143	(0.550)	0.115	0.028
72	6.00	0.27	0.143	(0.547)	0.115	0.028
73	6.08	0.30	0.161	(0.545)	0.130	0.031
74	6.17	0.30	0.161	(0.543)	0.130	0.031
75	6.25	0.30	0.161	(0.540)	0.130	0.031
76	6.33	0.30	0.161	(0.538)	0.130	0.031
77	6.42	0.30	0.161	(0.535)	0.130	0.031
78	6.50	0.30	0.161	(0.533)	0.130	0.031
79	6.58	0.33	0.179	(0.531)	0.144	0.035
80	6.67	0.33	0.179	(0.528)	0.144	0.035
81	6.75	0.33	0.179	(0.526)	0.144	0.035
82	6.83	0.33	0.179	(0.523)	0.144	0.035
83	6.92	0.33	0.179	(0.521)	0.144	0.035
84	7.00	0.33	0.179	(0.519)	0.144	0.035
85	7.08	0.33	0.179	(0.516)	0.144	0.035
86	7.17	0.33	0.179	(0.514)	0.144	0.035
87	7.25	0.33	0.179	(0.512)	0.144	0.035
88	7.33	0.37	0.197	(0.509)	0.159	0.038
89	7.42	0.37	0.197	(0.507)	0.159	0.038
90	7.50	0.37	0.197	(0.505)	0.159	0.038
91	7.58	0.40	0.214	(0.502)	0.173	0.042
92	7.67	0.40	0.214	(0.500)	0.173	0.042
93	7.75	0.40	0.214	(0.498)	0.173	0.042
94	7.83	0.43	0.232	(0.495)	0.187	0.045
95	7.92	0.43	0.232	(0.493)	0.187	0.045
96	8.00	0.43	0.232	(0.491)	0.187	0.045
97	8.08	0.50	0.268	(0.489)	0.216	0.052
98	8.17	0.50	0.268	(0.486)	0.216	0.052
99	8.25	0.50	0.268	(0.484)	0.216	0.052
100	8.33	0.50	0.268	(0.482)	0.216	0.052
101	8.42	0.50	0.268	(0.479)	0.216	0.052
102	8.50	0.50	0.268	(0.477)	0.216	0.052
103	8.58	0.53	0.286	(0.475)	0.231	0.055
104	8.67	0.53	0.286	(0.473)	0.231	0.055

105	8.75	0.53	0.286	(0.471)	0.231	0.055
106	8.83	0.57	0.304	(0.468)	0.245	0.059
107	8.92	0.57	0.304	(0.466)	0.245	0.059
108	9.00	0.57	0.304	(0.464)	0.245	0.059
109	9.08	0.63	0.340	(0.462)	0.274	0.066
110	9.17	0.63	0.340	(0.459)	0.274	0.066
111	9.25	0.63	0.340	(0.457)	0.274	0.066
112	9.33	0.67	0.357	(0.455)	0.288	0.069
113	9.42	0.67	0.357	(0.453)	0.288	0.069
114	9.50	0.67	0.357	(0.451)	0.288	0.069
115	9.58	0.70	0.375	(0.449)	0.303	0.073
116	9.67	0.70	0.375	(0.446)	0.303	0.073
117	9.75	0.70	0.375	(0.444)	0.303	0.073
118	9.83	0.73	0.393	(0.442)	0.317	0.076
119	9.92	0.73	0.393	(0.440)	0.317	0.076
120	10.00	0.73	0.393	(0.438)	0.317	0.076
121	10.08	0.50	0.268	(0.436)	0.216	0.052
122	10.17	0.50	0.268	(0.434)	0.216	0.052
123	10.25	0.50	0.268	(0.432)	0.216	0.052
124	10.33	0.50	0.268	(0.430)	0.216	0.052
125	10.42	0.50	0.268	(0.427)	0.216	0.052
126	10.50	0.50	0.268	(0.425)	0.216	0.052
127	10.58	0.67	0.357	(0.423)	0.288	0.069
128	10.67	0.67	0.357	(0.421)	0.288	0.069
129	10.75	0.67	0.357	(0.419)	0.288	0.069
130	10.83	0.67	0.357	(0.417)	0.288	0.069
131	10.92	0.67	0.357	(0.415)	0.288	0.069
132	11.00	0.67	0.357	(0.413)	0.288	0.069
133	11.08	0.63	0.340	(0.411)	0.274	0.066
134	11.17	0.63	0.340	(0.409)	0.274	0.066
135	11.25	0.63	0.340	(0.407)	0.274	0.066
136	11.33	0.63	0.340	(0.405)	0.274	0.066
137	11.42	0.63	0.340	(0.403)	0.274	0.066
138	11.50	0.63	0.340	(0.401)	0.274	0.066
139	11.58	0.57	0.304	(0.399)	0.245	0.059
140	11.67	0.57	0.304	(0.397)	0.245	0.059
141	11.75	0.57	0.304	(0.395)	0.245	0.059
142	11.83	0.60	0.322	(0.393)	0.259	0.062
143	11.92	0.60	0.322	(0.391)	0.259	0.062
144	12.00	0.60	0.322	(0.389)	0.259	0.062
145	12.08	0.83	0.447	(0.387)	0.360	0.087
146	12.17	0.83	0.447	(0.385)	0.360	0.087
147	12.25	0.83	0.447	(0.383)	0.360	0.087
148	12.33	0.87	0.465	(0.381)	0.375	0.090
149	12.42	0.87	0.465	(0.379)	0.375	0.090
150	12.50	0.87	0.465	(0.378)	0.375	0.090
151	12.58	0.93	0.500	0.376	(0.404)	0.125
152	12.67	0.93	0.500	0.374	(0.404)	0.127
153	12.75	0.93	0.500	0.372	(0.404)	0.129
154	12.83	0.97	0.518	0.370	(0.418)	0.148
155	12.92	0.97	0.518	0.368	(0.418)	0.150
156	13.00	0.97	0.518	0.366	(0.418)	0.152
157	13.08	1.13	0.608	0.364	(0.490)	0.243
158	13.17	1.13	0.608	0.363	(0.490)	0.245
159	13.25	1.13	0.608	0.361	(0.490)	0.247
160	13.33	1.13	0.608	0.359	(0.490)	0.249
161	13.42	1.13	0.608	0.357	(0.490)	0.251
162	13.50	1.13	0.608	0.355	(0.490)	0.253
163	13.58	0.77	0.411	(0.353)	0.332	0.080
164	13.67	0.77	0.411	(0.352)	0.332	0.080
165	13.75	0.77	0.411	(0.350)	0.332	0.080
166	13.83	0.77	0.411	(0.348)	0.332	0.080
167	13.92	0.77	0.411	(0.346)	0.332	0.080
168	14.00	0.77	0.411	(0.344)	0.332	0.080
169	14.08	0.90	0.483	0.343	(0.389)	0.140
170	14.17	0.90	0.483	0.341	(0.389)	0.142
171	14.25	0.90	0.483	0.339	(0.389)	0.143

172	14.33	0.87	0.465		0.337	(0.375)	0.127
173	14.42	0.87	0.465		0.336	(0.375)	0.129
174	14.50	0.87	0.465		0.334	(0.375)	0.131
175	14.58	0.87	0.465		0.332	(0.375)	0.132
176	14.67	0.87	0.465		0.331	(0.375)	0.134
177	14.75	0.87	0.465		0.329	(0.375)	0.136
178	14.83	0.83	0.447		0.327	(0.360)	0.120
179	14.92	0.83	0.447		0.326	(0.360)	0.121
180	15.00	0.83	0.447		0.324	(0.360)	0.123
181	15.08	0.80	0.429		0.322	(0.346)	0.107
182	15.17	0.80	0.429		0.321	(0.346)	0.108
183	15.25	0.80	0.429		0.319	(0.346)	0.110
184	15.33	0.77	0.411		0.317	(0.332)	0.094
185	15.42	0.77	0.411		0.316	(0.332)	0.095
186	15.50	0.77	0.411		0.314	(0.332)	0.097
187	15.58	0.63	0.340	(0.312)		0.274	0.066
188	15.67	0.63	0.340	(0.311)		0.274	0.066
189	15.75	0.63	0.340	(0.309)		0.274	0.066
190	15.83	0.63	0.340	(0.308)		0.274	0.066
191	15.92	0.63	0.340	(0.306)		0.274	0.066
192	16.00	0.63	0.340	(0.305)		0.274	0.066
193	16.08	0.13	0.071	(0.303)		0.058	0.014
194	16.17	0.13	0.071	(0.301)		0.058	0.014
195	16.25	0.13	0.071	(0.300)		0.058	0.014
196	16.33	0.13	0.071	(0.298)		0.058	0.014
197	16.42	0.13	0.071	(0.297)		0.058	0.014
198	16.50	0.13	0.071	(0.295)		0.058	0.014
199	16.58	0.10	0.054	(0.294)		0.043	0.010
200	16.67	0.10	0.054	(0.292)		0.043	0.010
201	16.75	0.10	0.054	(0.291)		0.043	0.010
202	16.83	0.10	0.054	(0.289)		0.043	0.010
203	16.92	0.10	0.054	(0.288)		0.043	0.010
204	17.00	0.10	0.054	(0.286)		0.043	0.010
205	17.08	0.17	0.089	(0.285)		0.072	0.017
206	17.17	0.17	0.089	(0.284)		0.072	0.017
207	17.25	0.17	0.089	(0.282)		0.072	0.017
208	17.33	0.17	0.089	(0.281)		0.072	0.017
209	17.42	0.17	0.089	(0.279)		0.072	0.017
210	17.50	0.17	0.089	(0.278)		0.072	0.017
211	17.58	0.17	0.089	(0.277)		0.072	0.017
212	17.67	0.17	0.089	(0.275)		0.072	0.017
213	17.75	0.17	0.089	(0.274)		0.072	0.017
214	17.83	0.13	0.071	(0.272)		0.058	0.014
215	17.92	0.13	0.071	(0.271)		0.058	0.014
216	18.00	0.13	0.071	(0.270)		0.058	0.014
217	18.08	0.13	0.071	(0.268)		0.058	0.014
218	18.17	0.13	0.071	(0.267)		0.058	0.014
219	18.25	0.13	0.071	(0.266)		0.058	0.014
220	18.33	0.13	0.071	(0.264)		0.058	0.014
221	18.42	0.13	0.071	(0.263)		0.058	0.014
222	18.50	0.13	0.071	(0.262)		0.058	0.014
223	18.58	0.10	0.054	(0.261)		0.043	0.010
224	18.67	0.10	0.054	(0.259)		0.043	0.010
225	18.75	0.10	0.054	(0.258)		0.043	0.010
226	18.83	0.07	0.036	(0.257)		0.029	0.007
227	18.92	0.07	0.036	(0.256)		0.029	0.007
228	19.00	0.07	0.036	(0.254)		0.029	0.007
229	19.08	0.10	0.054	(0.253)		0.043	0.010
230	19.17	0.10	0.054	(0.252)		0.043	0.010
231	19.25	0.10	0.054	(0.251)		0.043	0.010
232	19.33	0.13	0.071	(0.250)		0.058	0.014
233	19.42	0.13	0.071	(0.249)		0.058	0.014
234	19.50	0.13	0.071	(0.247)		0.058	0.014
235	19.58	0.10	0.054	(0.246)		0.043	0.010
236	19.67	0.10	0.054	(0.245)		0.043	0.010
237	19.75	0.10	0.054	(0.244)		0.043	0.010
238	19.83	0.07	0.036	(0.243)		0.029	0.007

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239  19.92     0.07      0.036       (  0.242)       0.029        0.007
240  20.00     0.07      0.036       (  0.241)       0.029        0.007
241  20.08     0.10      0.054       (  0.240)       0.043        0.010
242  20.17     0.10      0.054       (  0.239)       0.043        0.010
243  20.25     0.10      0.054       (  0.238)       0.043        0.010
244  20.33     0.10      0.054       (  0.237)       0.043        0.010
245  20.42     0.10      0.054       (  0.236)       0.043        0.010
246  20.50     0.10      0.054       (  0.235)       0.043        0.010
247  20.58     0.10      0.054       (  0.234)       0.043        0.010
248  20.67     0.10      0.054       (  0.233)       0.043        0.010
249  20.75     0.10      0.054       (  0.232)       0.043        0.010
250  20.83     0.07      0.036       (  0.231)       0.029        0.007
251  20.92     0.07      0.036       (  0.230)       0.029        0.007
252  21.00     0.07      0.036       (  0.229)       0.029        0.007
253  21.08     0.10      0.054       (  0.228)       0.043        0.010
254  21.17     0.10      0.054       (  0.227)       0.043        0.010
255  21.25     0.10      0.054       (  0.226)       0.043        0.010
256  21.33     0.07      0.036       (  0.225)       0.029        0.007
257  21.42     0.07      0.036       (  0.224)       0.029        0.007
258  21.50     0.07      0.036       (  0.224)       0.029        0.007
259  21.58     0.10      0.054       (  0.223)       0.043        0.010
260  21.67     0.10      0.054       (  0.222)       0.043        0.010
261  21.75     0.10      0.054       (  0.221)       0.043        0.010
262  21.83     0.07      0.036       (  0.220)       0.029        0.007
263  21.92     0.07      0.036       (  0.220)       0.029        0.007
264  22.00     0.07      0.036       (  0.219)       0.029        0.007
265  22.08     0.10      0.054       (  0.218)       0.043        0.010
266  22.17     0.10      0.054       (  0.218)       0.043        0.010
267  22.25     0.10      0.054       (  0.217)       0.043        0.010
268  22.33     0.07      0.036       (  0.216)       0.029        0.007
269  22.42     0.07      0.036       (  0.216)       0.029        0.007
270  22.50     0.07      0.036       (  0.215)       0.029        0.007
271  22.58     0.07      0.036       (  0.214)       0.029        0.007
272  22.67     0.07      0.036       (  0.214)       0.029        0.007
273  22.75     0.07      0.036       (  0.213)       0.029        0.007
274  22.83     0.07      0.036       (  0.213)       0.029        0.007
275  22.92     0.07      0.036       (  0.212)       0.029        0.007
276  23.00     0.07      0.036       (  0.211)       0.029        0.007
277  23.08     0.07      0.036       (  0.211)       0.029        0.007
278  23.17     0.07      0.036       (  0.210)       0.029        0.007
279  23.25     0.07      0.036       (  0.210)       0.029        0.007
280  23.33     0.07      0.036       (  0.210)       0.029        0.007
281  23.42     0.07      0.036       (  0.209)       0.029        0.007
282  23.50     0.07      0.036       (  0.209)       0.029        0.007
283  23.58     0.07      0.036       (  0.209)       0.029        0.007
284  23.67     0.07      0.036       (  0.208)       0.029        0.007
285  23.75     0.07      0.036       (  0.208)       0.029        0.007
286  23.83     0.07      0.036       (  0.208)       0.029        0.007
287  23.92     0.07      0.036       (  0.208)       0.029        0.007
288  24.00     0.07      0.036       (  0.207)       0.029        0.007
          (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    12.0
     Flood volume = Effective rainfall      1.00(In)
      times area      51.5(Ac.)/[(In)/(Ft.)] =       4.3(Ac.Ft)
     Total soil loss =      3.47(In)
     Total soil loss =    14.877(Ac.Ft)
     Total rainfall =      4.47(In)
     Flood volume =      187325.9 Cubic Feet
     Total soil loss =      648057.5 Cubic Feet
     ------------------------------------------------------------------
      Peak flow rate of this hydrograph =     13.067(CFS)
     ------------------------------------------------------------------
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        24 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))
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Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0014	0.21	Q				
0+10	0.0037	0.34	Q				
0+15	0.0062	0.36	Q				
0+20	0.0094	0.46	Q				
0+25	0.0130	0.53	VQ				
0+30	0.0168	0.54	VQ				
0+35	0.0205	0.54	VQ				
0+40	0.0242	0.54	VQ				
0+45	0.0279	0.54	VQ				
0+50	0.0323	0.64	VQ				
0+55	0.0372	0.71	VQ				
1+ 0	0.0421	0.72	VQ				
1+ 5	0.0464	0.62	VQ				
1+10	0.0502	0.55	VQ				
1+15	0.0539	0.54	VQ				
1+20	0.0576	0.54	VQ				
1+25	0.0613	0.54	VQ				
1+30	0.0650	0.54	VQ				
1+35	0.0687	0.54	VQ				
1+40	0.0724	0.54	VQ				
1+45	0.0762	0.54	VQ				
1+50	0.0806	0.64	VQ				
1+55	0.0855	0.71	VQ				
2+ 0	0.0904	0.72	VQ				
2+ 5	0.0954	0.72	VQ				
2+10	0.1003	0.72	VQ				
2+15	0.1053	0.72	VQ				
2+20	0.1102	0.72	|Q				
2+25	0.1152	0.72	|Q				
2+30	0.1201	0.72	|Q				
2+35	0.1258	0.82	|Q				
2+40	0.1319	0.89	|Q				
2+45	0.1381	0.90	|Q				
2+50	0.1443	0.90	|Q				
2+55	0.1504	0.90	|Q				
3+ 0	0.1566	0.90	|Q				
3+ 5	0.1628	0.90	|Q				
3+10	0.1690	0.90	|Q				
3+15	0.1752	0.90	|Q				
3+20	0.1814	0.90	|Q				
3+25	0.1876	0.90	|Q				
3+30	0.1938	0.90	|Q				
3+35	0.1999	0.90	|Q				
3+40	0.2061	0.90	|Q				
3+45	0.2123	0.90	|Q				
3+50	0.2192	1.00	| Q				
3+55	0.2266	1.07	| Q				
4+ 0	0.2340	1.08	| Q				
4+ 5	0.2414	1.08	| Q				
4+10	0.2488	1.08	| Q				
4+15	0.2563	1.08	| Q				
4+20	0.2644	1.18	| Q				
4+25	0.2730	1.25	| Q				
4+30	0.2817	1.26	| Q				
4+35	0.2903	1.26	| Q				
4+40	0.2990	1.26	| Q				
4+45	0.3076	1.26	| Q				
4+50	0.3170	1.36	| Q				
4+55	0.3268	1.43	| QV				
5+ 0	0.3367	1.44	| QV				
5+ 5	0.3452	1.23	| QV				
5+10	0.3528	1.10	| QV				
5+15	0.3602	1.08	| QV				

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 5+20       0.3684      1.18  | QV      |         |         |         |
 5+25       0.3770      1.25  | QV      |         |         |         |
 5+30       0.3856      1.26  | QV      |         |         |         |
 5+35       0.3950      1.36  | QV      |         |         |         |
 5+40       0.4048      1.43  | QV      |         |         |         |
 5+45       0.4147      1.44  | QV      |         |         |         |
 5+50       0.4246      1.44  | QV      |         |         |         |
 5+55       0.4345      1.44  | Q V     |         |         |         |
 6+ 0       0.4444      1.44  | Q V     |         |         |         |
 6+ 5       0.4550      1.54  |  QV     |         |         |         |
 6+10       0.4661      1.61  |  QV     |         |         |         |
 6+15       0.4772      1.62  |  QV     |         |         |         |
 6+20       0.4884      1.62  |  QV     |         |         |         |
 6+25       0.4995      1.62  |  QV     |         |         |         |
 6+30       0.5106      1.62  |  QV     |         |         |         |
 6+35       0.5225      1.72  |  QV     |         |         |         |
 6+40       0.5348      1.79  |  QV     |         |         |         |
 6+45       0.5472      1.80  |  Q V    |         |         |         |
 6+50       0.5595      1.80  |  Q V    |         |         |         |
 6+55       0.5719      1.80  |  Q V    |         |         |         |
 7+ 0       0.5843      1.80  |  Q V    |         |         |         |
 7+ 5       0.5967      1.80  |  Q V    |         |         |         |
 7+10       0.6090      1.80  |  Q V    |         |         |         |
 7+15       0.6214      1.80  |  Q V    |         |         |         |
 7+20       0.6345      1.90  |  Q V    |         |         |         |
 7+25       0.6480      1.97  |  Q  V   |         |         |         |
 7+30       0.6617      1.98  |  Q  V   |         |         |         |
 7+35       0.6760      2.08  |   Q V   |         |         |         |
 7+40       0.6908      2.15  |   Q V   |         |         |         |
 7+45       0.7056      2.16  |   Q V   |         |         |         |
 7+50       0.7212      2.26  |   Q V   |         |         |         |
 7+55       0.7372      2.33  |   Q V   |         |         |         |
 8+ 0       0.7533      2.34  |   Q  V  |         |         |         |
 8+ 5       0.7708      2.54  |    Q V  |         |         |         |
 8+10       0.7892      2.67  |    Q V  |         |         |         |
 8+15       0.8078      2.70  |    Q V  |         |         |         |
 8+20       0.8263      2.70  |    Q V  |         |         |         |
 8+25       0.8449      2.70  |    Q V  |         |         |         |
 8+30       0.8634      2.70  |    Q  V |         |         |         |
 8+35       0.8827      2.80  |    Q  V |         |         |         |
 8+40       0.9024      2.86  |    Q  V |         |         |         |
 8+45       0.9222      2.88  |    Q  V |         |         |         |
 8+50       0.9428      2.98  |    Q  V |         |         |         |
 8+55       0.9637      3.04  |     Q V |         |         |         |
 9+ 0       0.9848      3.05  |     Q  V|         |         |         |
 9+ 5       1.0072      3.26  |     Q  V|         |         |         |
 9+10       1.0306      3.39  |     Q  V|         |         |         |
 9+15       1.0541      3.41  |     Q  V|         |         |         |
 9+20       1.0783      3.52  |      Q  V         |         |         |
 9+25       1.1030      3.58  |      Q  V         |         |         |
 9+30       1.1277      3.59  |      Q  V         |         |         |
 9+35       1.1532      3.70  |      Q  V         |         |         |
 9+40       1.1791      3.76  |      Q  V         |         |         |
 9+45       1.2051      3.77  |      Q  |V        |         |         |
 9+50       1.2318      3.88  |      Q  |V        |         |         |
 9+55       1.2590      3.94  |      Q  |V        |         |         |
10+ 0       1.2862      3.95  |      Q  |V        |         |         |
10+ 5       1.3085      3.23  |     Q   | V       |         |         |
10+10       1.3275      2.77  |    Q    | V       |         |         |
10+15       1.3461      2.70  |    Q    | V       |         |         |
10+20       1.3647      2.70  |    Q    | V       |         |         |
10+25       1.3832      2.70  |    Q    | V       |         |         |
10+30       1.4018      2.70  |    Q    |  V      |         |         |
10+35       1.4239      3.21  |     Q   |  V      |         |         |
10+40       1.4483      3.54  |      Q  |  V      |         |         |
10+45       1.4730      3.59  |      Q  |  V      |         |         |
10+50       1.4978      3.59  |      Q  |  V      |         |         |
```

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10+55       1.5225      3.59  |      Q  |   V     |         |         |
11+ 0       1.5473      3.59  |      Q  |   V     |         |         |
11+ 5       1.5713      3.49  |     Q   |   V     |         |         |
11+10       1.5949      3.43  |     Q   |   V     |         |         |
11+15       1.6184      3.41  |     Q   |    V    |         |         |
11+20       1.6420      3.41  |     Q   |    V    |         |         |
11+25       1.6655      3.41  |     Q   |    V    |         |         |
11+30       1.6890      3.41  |     Q   |    V    |         |         |
11+35       1.7111      3.21  |     Q   |    V    |         |         |
11+40       1.7323      3.08  |     Q   |     V   |         |         |
11+45       1.7533      3.05  |     Q   |     V   |         |         |
11+50       1.7751      3.16  |     Q   |     V   |         |         |
11+55       1.7973      3.22  |     Q   |     V   |         |         |
12+ 0       1.8195      3.23  |     Q   |     V   |         |         |
12+ 5       1.8468      3.95  |      Q  |      V  |         |         |
12+10       1.8772      4.42  |       Q |      V  |         |         |
12+15       1.9081      4.49  |       Q |      V  |         |         |
12+20       1.9398      4.60  |        Q|       V |         |         |
12+25       1.9719      4.66  |        Q|       V |         |         |
12+30       2.0041      4.67  |        Q|       V |         |         |
12+35       2.0434      5.71  |         |Q       V|         |         |
12+40       2.0877      6.43  |         | Q      V|         |         |
12+45       2.1333      6.63  |         |  Q     V|         |         |
12+50       2.1834      7.26  |         |   Q     V         |         |
12+55       2.2364      7.70  |         |    Q    V         |         |
13+ 0       2.2905      7.85  |         |    Q    |V        |         |
13+ 5       2.3635     10.60  |         |         |Q        |         |
13+10       2.4489     12.41  |         |         | V Q     |         |
13+15       2.5370     12.78  |         |         |  V Q    |         |
13+20       2.6257     12.88  |         |         |   VQ    |         |
13+25       2.7150     12.97  |         |         |    Q    |         |
13+30       2.8050     13.07  |         |         |     Q   |         |
13+35       2.8599      7.98  |         |    Q    |     V   |         |
13+40       2.8921      4.67  |        Q|         |     V   |         |
13+45       2.9206      4.13  |       Q |         |      V  |         |
13+50       2.9490      4.13  |       Q |         |      V  |         |
13+55       2.9775      4.13  |       Q |         |      V  |         |
14+ 0       3.0060      4.13  |       Q |         |      V  |         |
14+ 5       3.0468      5.92  |         |Q        |       V |         |
14+10       3.0958      7.13  |         |   Q     |       V |         |
14+15       3.1468      7.40  |         |   Q     |        V|         |
14+20       3.1948      6.96  |         |  Q      |        V|         |
14+25       3.2410      6.71  |         |  Q      |         V         |
14+30       3.2874      6.74  |         |  Q      |         V         |
14+35       3.3345      6.83  |         |  Q      |         |V        |
14+40       3.3821      6.92  |         |  Q      |         |V        |
14+45       3.4304      7.01  |         |   Q     |         |V        |
14+50       3.4756      6.57  |         |  Q      |         | V       |
14+55       3.5191      6.31  |         | Q       |         | V       |
15+ 0       3.5628      6.34  |         | Q       |         |  V      |
15+ 5       3.6034      5.90  |         |Q        |         |  V      |
15+10       3.6423      5.64  |         |Q        |         |  V      |
15+15       3.6813      5.67  |         |Q        |         |   V     |
15+20       3.7173      5.23  |         Q         |         |   V     |
15+25       3.7515      4.97  |        Q|         |         |   V     |
15+30       3.7860      5.00  |        Q|         |         |    V    |
15+35       3.8143      4.11  |       Q |         |         |    V    |
15+40       3.8384      3.51  |      Q  |         |         |    V    |
15+45       3.8619      3.41  |     Q   |         |         |    V    |
15+50       3.8855      3.41  |     Q   |         |         |     V   |
15+55       3.9090      3.41  |     Q   |         |         |     V   |
16+ 0       3.9325      3.41  |     Q   |         |         |     V   |
16+ 5       3.9454      1.87  |  Q      |         |         |     V   |
16+10       3.9515      0.88  |Q        |         |         |     V   |
16+15       3.9564      0.72  |Q        |         |         |     V   |
16+20       3.9614      0.72  |Q        |         |         |     V   |
16+25       3.9663      0.72  |Q        |         |         |     V   |
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16+30       3.9713      0.72  |Q        |          |          |     V    |
16+35       3.9755      0.62  |Q        |          |          |     V    |
16+40       3.9793      0.55  |Q        |          |          |      V   |
16+45       3.9830      0.54  |Q        |          |          |      V   |
16+50       3.9867      0.54  |Q        |          |          |      V   |
16+55       3.9904      0.54  |Q        |          |          |      V   |
17+ 0       3.9941      0.54  |Q        |          |          |      V   |
17+ 5       3.9993      0.74  |Q        |          |          |      V   |
17+10       4.0053      0.88  |Q        |          |          |      V   |
17+15       4.0115      0.90  |Q        |          |          |      V   |
17+20       4.0177      0.90  |Q        |          |          |      V   |
17+25       4.0239      0.90  |Q        |          |          |      V   |
17+30       4.0301      0.90  |Q        |          |          |      V   |
17+35       4.0363      0.90  |Q        |          |          |      V   |
17+40       4.0424      0.90  |Q        |          |          |      V   |
17+45       4.0486      0.90  |Q        |          |          |      V   |
17+50       4.0541      0.80  |Q        |          |          |      V   |
17+55       4.0591      0.73  |Q        |          |          |      V   |
18+ 0       4.0641      0.72  |Q        |          |          |      V   |
18+ 5       4.0690      0.72  |Q        |          |          |      V   |
18+10       4.0740      0.72  |Q        |          |          |      V   |
18+15       4.0789      0.72  |Q        |          |          |      V   |
18+20       4.0839      0.72  |Q        |          |          |      V   |
18+25       4.0888      0.72  |Q        |          |          |       V  |
18+30       4.0938      0.72  |Q        |          |          |       V  |
18+35       4.0980      0.62  |Q        |          |          |       V  |
18+40       4.1018      0.55  |Q        |          |          |       V  |
18+45       4.1055      0.54  |Q        |          |          |       V  |
18+50       4.1085      0.44  Q         |          |          |       V  |
18+55       4.1111      0.37  Q         |          |          |       V  |
19+ 0       4.1136      0.36  Q         |          |          |       V  |
19+ 5       4.1167      0.46  Q         |          |          |       V  |
19+10       4.1204      0.53  |Q        |          |          |       V  |
19+15       4.1241      0.54  |Q        |          |          |       V  |
19+20       4.1285      0.64  |Q        |          |          |       V  |
19+25       4.1334      0.71  |Q        |          |          |       V  |
19+30       4.1383      0.72  |Q        |          |          |       V  |
19+35       4.1426      0.62  |Q        |          |          |       V  |
19+40       4.1464      0.55  |Q        |          |          |       V  |
19+45       4.1501      0.54  |Q        |          |          |       V  |
19+50       4.1531      0.44  Q         |          |          |       V  |
19+55       4.1556      0.37  Q         |          |          |       V  |
20+ 0       4.1581      0.36  Q         |          |          |       V  |
20+ 5       4.1613      0.46  Q         |          |          |       V  |
20+10       4.1649      0.53  |Q        |          |          |       V  |
20+15       4.1686      0.54  |Q        |          |          |       V  |
20+20       4.1724      0.54  |Q        |          |          |       V  |
20+25       4.1761      0.54  |Q        |          |          |       V  |
20+30       4.1798      0.54  |Q        |          |          |       V  |
20+35       4.1835      0.54  |Q        |          |          |       V  |
20+40       4.1872      0.54  |Q        |          |          |       V  |
20+45       4.1909      0.54  |Q        |          |          |       V  |
20+50       4.1939      0.44  Q         |          |          |        V |
20+55       4.1965      0.37  Q         |          |          |        V |
21+ 0       4.1990      0.36  Q         |          |          |        V |
21+ 5       4.2021      0.46  Q         |          |          |        V |
21+10       4.2058      0.53  |Q        |          |          |        V |
21+15       4.2095      0.54  |Q        |          |          |        V |
21+20       4.2125      0.44  Q         |          |          |        V |
21+25       4.2150      0.37  Q         |          |          |        V |
21+30       4.2175      0.36  Q         |          |          |        V |
21+35       4.2207      0.46  Q         |          |          |        V |
21+40       4.2243      0.53  |Q        |          |          |        V |
21+45       4.2281      0.54  |Q        |          |          |        V |
21+50       4.2311      0.44  Q         |          |          |        V |
21+55       4.2336      0.37  Q         |          |          |        V |
22+ 0       4.2361      0.36  Q         |          |          |        V |
```

22+ 5	4.2393	0.46	Q	|	|	|	V|
22+10	4.2429	0.53	|Q	|	|	|	V|
22+15	4.2466	0.54	|Q	|	|	|	V|
22+20	4.2496	0.44	Q	|	|	|	V|
22+25	4.2522	0.37	Q	|	|	|	V|
22+30	4.2546	0.36	Q	|	|	|	V|
22+35	4.2571	0.36	Q	|	|	|	V|
22+40	4.2596	0.36	Q	|	|	|	V|
22+45	4.2621	0.36	Q	|	|	|	V|
22+50	4.2645	0.36	Q	|	|	|	V|
22+55	4.2670	0.36	Q	|	|	|	V|
23+ 0	4.2695	0.36	Q	|	|	|	V|
23+ 5	4.2720	0.36	Q	|	|	|	V|
23+10	4.2744	0.36	Q	|	|	|	V|
23+15	4.2769	0.36	Q	|	|	|	V|
23+20	4.2794	0.36	Q	|	|	|	V|
23+25	4.2819	0.36	Q	|	|	|	V|
23+30	4.2844	0.36	Q	|	|	|	V|
23+35	4.2868	0.36	Q	|	|	|	V|
23+40	4.2893	0.36	Q	|	|	|	V|
23+45	4.2918	0.36	Q	|	|	|	V|
23+50	4.2943	0.36	Q	|	|	|	V|
23+55	4.2967	0.36	Q	|	|	|	V|
24+ 0	4.2992	0.36	Q	|	|	|	V|
24+ 5	4.3003	0.15	Q	|	|	|	V|
24+10	4.3004	0.02	Q	|	|	|	V|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/16/21 File: RVPRA1100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- PROPOSED UNIT HYDROGRAPH
100YR-1HR STORM

Drainage Area = 51.50(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.50(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 1314.50(Ft.)
Length along longest watercourse measured to centroid = 1017.40(Ft.)
Length along longest watercourse = 0.249 Mi.
Length along longest watercourse measured to centroid = 0.193 Mi.
Difference in elevation = 444.00(Ft.)
Slope along watercourse = 1783.4310 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.64 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	0.55	28.33

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	1.30	66.95

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 1.300(In)
Areal adjustment factor = 99.95 %
Adjusted average point rain = 1.299(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.500	78.00	0.117

Total Area Entered = 51.50(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
78.0	89.8	0.132	0.117	0.118	1.000	0.118

```
                                                        Sum (F) =   0.118
     Area averaged mean soil loss (F) (In/Hr) =  0.415
     Minimum soil loss rate ((In/Hr)) =  0.207
     (for 24 hour storm duration)
     Note: User entry of the f value
     Soil low loss rate (decimal) =   0.806
     ------------------------------------------------------------------
     Slope of intensity-duration curve for a 1 hour storm =0.5500
     ------------------------------------------------------------------

                 U n i t  H y d r o g r a p h
                        VALLEY S-Curve
     ------------------------------------------------------------------
                 Unit Hydrograph Data
     ------------------------------------------------------------------
     Unit time period   Time % of lag   Distribution   Unit Hydrograph
         (hrs)                          Graph %           (CFS)
     ------------------------------------------------------------------
         1   0.083        304.425         57.130            29.652
         2   0.167        608.851         36.886            19.145
         3   0.250        913.276          5.984             3.106
                                  Sum = 100.000   Sum=      51.902
-----------------------------------------------------------------------


 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
   1   0.08     3.30      0.515          0.415    (  0.415)        0.100
   2   0.17     4.20      0.655          0.415    (  0.528)        0.240
   3   0.25     4.40      0.686          0.415    (  0.553)        0.271
   4   0.33     4.80      0.748          0.415    (  0.604)        0.334
   5   0.42     5.20      0.811          0.415    (  0.654)        0.396
   6   0.50     6.20      0.967          0.415    (  0.780)        0.552
   7   0.58     6.80      1.060          0.415    (  0.855)        0.646
   8   0.67     8.80      1.372          0.415    (  1.107)        0.957
   9   0.75    13.90      2.167          0.415    (  1.748)        1.753
  10   0.83    31.40      4.896          0.415    (  3.948)        4.481
  11   0.92     7.20      1.123          0.415    (  0.905)        0.708
  12   1.00     3.80      0.593          0.415    (  0.478)        0.178
            (Loss Rate Not Used)
     Sum =     100.0                                  Sum =    10.6
       Flood volume = Effective rainfall      0.88(In)
        times area      51.5(Ac.)/[(In)/(Ft.)] =       3.8(Ac.Ft)
       Total soil loss =      0.41(In)
       Total soil loss =     1.780(Ac.Ft)
       Total rainfall =      1.30(In)
       Flood volume =      165386.9 Cubic Feet
       Total soil loss =       77528.2 Cubic Feet
       ------------------------------------------------------------------
        Peak flow rate of this hydrograph =     169.497(CFS)
       ------------------------------------------------------------------
       ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         1 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
       ------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

       ------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       50.0     100.0     150.0     200.0
  ------------------------------------------------------------------------
    0+ 5       0.0204      2.96  Q         |         |         |         |
    0+10       0.0826      9.04  VQ        |         |         |         |
    0+15       0.1719     12.96  |VQ       |         |         |         |
    0+20       0.2810     15.85  | VQ      |         |         |         |
```

```
    0+25       0.4118     18.99  |  QV     |         |         |         |
    0+30       0.5840     25.00  |    QV   |         |         |         |
    0+35       0.7972     30.96  |     Q V |         |         |         |
    0+40       1.0898     42.49  |       Q |V        |         |         |
    0+45       1.5880     72.34  |         |   Q V   |         |         |
    0+50       2.7554    169.50  |         |         |        V|  Q      |
    0+55       3.5287    112.29  |         |         | Q       |      V  |
    1+ 0       3.7543     32.76  |     Q   |         |         |        V|
    1+ 5       3.7930      5.61  |Q        |         |         |        V|
    1+10       3.7968      0.55  Q         |         |         |         V
---------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/16/21 File: RVPRA3100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- PROPOSED UNIT HYDROGRAPH
100YR-3HR STORM

Drainage Area = 51.50(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.50(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 1314.50(Ft.)
Length along longest watercourse measured to centroid = 1017.40(Ft.)
Length along longest watercourse = 0.249 Mi.
Length along longest watercourse measured to centroid = 0.193 Mi.
Difference in elevation = 444.00(Ft.)
Slope along watercourse = 1783.4310 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.64 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	1.10	56.65

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	2.00	103.00

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 2.000(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.500	78.00	0.117

Total Area Entered = 51.50(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
78.0	89.8	0.132	0.117	0.118	1.000	0.118

Sum (F) = 0.118

Area averaged mean soil loss (F) (In/Hr) = 0.415
Minimum soil loss rate ((In/Hr)) = 0.207
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) = 0.806

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	304.425	57.130	29.652
2	0.167	608.851	36.886	19.145
3	0.250	913.276	5.984	3.106
		Sum = 100.000	Sum=	51.902

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.312	(0.415)	0.252	0.060
2	0.17	1.30	0.312	(0.415)	0.252	0.060
3	0.25	1.10	0.264	(0.415)	0.213	0.051
4	0.33	1.50	0.360	(0.415)	0.290	0.070
5	0.42	1.50	0.360	(0.415)	0.290	0.070
6	0.50	1.80	0.432	(0.415)	0.348	0.084
7	0.58	1.50	0.360	(0.415)	0.290	0.070
8	0.67	1.80	0.432	(0.415)	0.348	0.084
9	0.75	1.80	0.432	(0.415)	0.348	0.084
10	0.83	1.50	0.360	(0.415)	0.290	0.070
11	0.92	1.60	0.384	(0.415)	0.310	0.074
12	1.00	1.80	0.432	(0.415)	0.348	0.084
13	1.08	2.20	0.528	0.415	(0.426)	0.113
14	1.17	2.20	0.528	0.415	(0.426)	0.113
15	1.25	2.20	0.528	0.415	(0.426)	0.113
16	1.33	2.00	0.480	(0.415)	0.387	0.093
17	1.42	2.60	0.624	0.415	(0.503)	0.209
18	1.50	2.70	0.648	0.415	(0.522)	0.233
19	1.58	2.40	0.576	0.415	(0.464)	0.161
20	1.67	2.70	0.648	0.415	(0.522)	0.233
21	1.75	3.30	0.792	0.415	(0.639)	0.377
22	1.83	3.10	0.744	0.415	(0.600)	0.329
23	1.92	2.90	0.696	0.415	(0.561)	0.281
24	2.00	3.00	0.720	0.415	(0.580)	0.305
25	2.08	3.10	0.744	0.415	(0.600)	0.329
26	2.17	4.20	1.008	0.415	(0.813)	0.593
27	2.25	5.00	1.200	0.415	(0.967)	0.785
28	2.33	3.50	0.840	0.415	(0.677)	0.425
29	2.42	6.80	1.632	0.415	(1.316)	1.217
30	2.50	7.30	1.752	0.415	(1.412)	1.337
31	2.58	8.20	1.968	0.415	(1.587)	1.553
32	2.67	5.90	1.416	0.415	(1.142)	1.001
33	2.75	2.00	0.480	(0.415)	0.387	0.093
34	2.83	1.80	0.432	(0.415)	0.348	0.084
35	2.92	1.80	0.432	(0.415)	0.348	0.084
36	3.00	0.60	0.144	(0.415)	0.116	0.028
	(Loss Rate Not Used)					
Sum =	100.0				Sum =	10.9

Flood volume = Effective rainfall 0.91(In)

```
 times area      51.5(Ac.)/[(In)/(Ft.)] =       3.9(Ac.Ft)
Total soil loss =      1.09(In)
Total soil loss =     4.666(Ac.Ft)
Total rainfall =      2.00(In)
Flood volume =      170569.1 Cubic Feet
Total soil loss =      203236.7 Cubic Feet
------------------------------------------------------------------------
 Peak flow rate of this hydrograph =     75.458(CFS)
------------------------------------------------------------------------
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                    3 - H O U R    S T O R M
                R u n o f f      H y d r o g r a p h
------------------------------------------------------------------------
            Hydrograph in   5   Minute intervals ((CFS))

------------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       20.0      40.0      60.0      80.0
------------------------------------------------------------------------
  0+ 5       0.0123      1.79  Q         |         |         |         |
  0+10       0.0326      2.95  VQ        |         |         |         |
  0+15       0.0523      2.86  VQ        |         |         |         |
  0+20       0.0746      3.23  VQ        |         |         |         |
  0+25       0.0991      3.56  |Q        |         |         |         |
  0+30       0.1269      4.03  |VQ       |         |         |         |
  0+35       0.1537      3.89  |Q        |         |         |         |
  0+40       0.1817      4.08  |VQ       |         |         |         |
  0+45       0.2113      4.30  | Q       |         |         |         |
  0+50       0.2384      3.93  |QV       |         |         |         |
  0+55       0.2646      3.80  |QV       |         |         |         |
  1+ 0       0.2929      4.12  | Q       |         |         |         |
  1+ 5       0.3287      5.19  | QV      |         |         |         |
  1+10       0.3685      5.78  | QV      |         |         |         |
  1+15       0.4090      5.88  | Q V     |         |         |         |
  1+20       0.4453      5.28  | Q V     |         |         |         |
  1+25       0.5027      8.34  |   QV    |         |         |         |
  1+30       0.5800     11.21  |    Q    |         |         |         |
  1+35       0.6481      9.90  |   Q V   |         |         |         |
  1+40       0.7220     10.73  |    Q V  |         |         |         |
  1+45       0.8333     16.15  |       Q |         |         |         |
  1+50       0.9552     17.71  |       QV|         |         |         |
  1+55       1.0642     15.82  |      Q  V         |         |         |
  2+ 0       1.1706     15.46  |      Q  |V        |         |         |
  2+ 5       1.2842     16.48  |       Q |  V      |         |         |
  2+10       1.4553     24.85  |         | Q V     |         |         |
  2+15       1.7010     35.67  |         |      Q  |         |         |
  2+20       1.9041     29.49  |         |   Q    V|         |         |
  2+25       2.2256     46.68  |         |         | VQ      |         |
  2+30       2.6684     64.29  |         |         |     V   | Q       |
  2+35       3.1880     75.46  |         |         |         | V    Q  |
  2+40       3.6260     63.59  |         |         |         |Q     V  |
  2+45       3.8103     26.75  |         |  Q      |         |       V |
  2+50       3.8610      7.37  |  Q      |         |         |        V|
  2+55       3.8911      4.37  | Q       |         |         |        V|
  3+ 0       3.9097      2.69  |Q        |         |         |        V|
  3+ 5       3.9151      0.79  Q         |         |         |        V|
  3+10       3.9157      0.09  Q         |         |         |         V
------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/16/21 File: RVPRA6100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- PROPOSED UNIT HYDROGRAPH
100YR-6HR STORM

Drainage Area = 51.50(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.50(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 1314.50(Ft.)
Length along longest watercourse measured to centroid = 1017.40(Ft.)
Length along longest watercourse = 0.249 Mi.
Length along longest watercourse measured to centroid = 0.193 Mi.
Difference in elevation = 444.00(Ft.)
Slope along watercourse = 1783.4310 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.64 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	1.60	82.40

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	3.00	154.50

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 3.000(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.999(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.500	78.00	0.117

Total Area Entered = 51.50(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
78.0	89.8	0.132	0.117	0.118	1.000	0.118

Sum (F) = 0.118

Area averaged mean soil loss (F) (In/Hr) = 0.415
Minimum soil loss rate ((In/Hr)) = 0.207
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) = 0.806

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	304.425	57.130	29.652
2	0.167	608.851	36.886	19.145
3	0.250	913.276	5.984	3.106
		Sum = 100.000	Sum=	51.902

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.180	(0.415)	0.145	0.035
2	0.17	0.60	0.216	(0.415)	0.174	0.042
3	0.25	0.60	0.216	(0.415)	0.174	0.042
4	0.33	0.60	0.216	(0.415)	0.174	0.042
5	0.42	0.60	0.216	(0.415)	0.174	0.042
6	0.50	0.70	0.252	(0.415)	0.203	0.049
7	0.58	0.70	0.252	(0.415)	0.203	0.049
8	0.67	0.70	0.252	(0.415)	0.203	0.049
9	0.75	0.70	0.252	(0.415)	0.203	0.049
10	0.83	0.70	0.252	(0.415)	0.203	0.049
11	0.92	0.70	0.252	(0.415)	0.203	0.049
12	1.00	0.80	0.288	(0.415)	0.232	0.056
13	1.08	0.80	0.288	(0.415)	0.232	0.056
14	1.17	0.80	0.288	(0.415)	0.232	0.056
15	1.25	0.80	0.288	(0.415)	0.232	0.056
16	1.33	0.80	0.288	(0.415)	0.232	0.056
17	1.42	0.80	0.288	(0.415)	0.232	0.056
18	1.50	0.80	0.288	(0.415)	0.232	0.056
19	1.58	0.80	0.288	(0.415)	0.232	0.056
20	1.67	0.80	0.288	(0.415)	0.232	0.056
21	1.75	0.80	0.288	(0.415)	0.232	0.056
22	1.83	0.80	0.288	(0.415)	0.232	0.056
23	1.92	0.80	0.288	(0.415)	0.232	0.056
24	2.00	0.90	0.324	(0.415)	0.261	0.063
25	2.08	0.80	0.288	(0.415)	0.232	0.056
26	2.17	0.90	0.324	(0.415)	0.261	0.063
27	2.25	0.90	0.324	(0.415)	0.261	0.063
28	2.33	0.90	0.324	(0.415)	0.261	0.063
29	2.42	0.90	0.324	(0.415)	0.261	0.063
30	2.50	0.90	0.324	(0.415)	0.261	0.063
31	2.58	0.90	0.324	(0.415)	0.261	0.063
32	2.67	0.90	0.324	(0.415)	0.261	0.063
33	2.75	1.00	0.360	(0.415)	0.290	0.070
34	2.83	1.00	0.360	(0.415)	0.290	0.070
35	2.92	1.00	0.360	(0.415)	0.290	0.070
36	3.00	1.00	0.360	(0.415)	0.290	0.070
37	3.08	1.00	0.360	(0.415)	0.290	0.070
38	3.17	1.10	0.396	(0.415)	0.319	0.077
39	3.25	1.10	0.396	(0.415)	0.319	0.077

```
40   3.33     1.10      0.396       (  0.415)       0.319        0.077
41   3.42     1.20      0.432       (  0.415)       0.348        0.084
42   3.50     1.30      0.468       (  0.415)       0.377        0.091
43   3.58     1.40      0.504       (  0.415)       0.406        0.098
44   3.67     1.40      0.504       (  0.415)       0.406        0.098
45   3.75     1.50      0.540          0.415    (  0.435)       0.125
46   3.83     1.50      0.540          0.415    (  0.435)       0.125
47   3.92     1.60      0.576          0.415    (  0.464)       0.161
48   4.00     1.60      0.576          0.415    (  0.464)       0.161
49   4.08     1.70      0.612          0.415    (  0.493)       0.197
50   4.17     1.80      0.648          0.415    (  0.522)       0.233
51   4.25     1.90      0.684          0.415    (  0.551)       0.269
52   4.33     2.00      0.720          0.415    (  0.581)       0.305
53   4.42     2.10      0.756          0.415    (  0.610)       0.341
54   4.50     2.10      0.756          0.415    (  0.610)       0.341
55   4.58     2.20      0.792          0.415    (  0.639)       0.377
56   4.67     2.30      0.828          0.415    (  0.668)       0.413
57   4.75     2.40      0.864          0.415    (  0.697)       0.449
58   4.83     2.40      0.864          0.415    (  0.697)       0.449
59   4.92     2.50      0.900          0.415    (  0.726)       0.485
60   5.00     2.60      0.936          0.415    (  0.755)       0.521
61   5.08     3.10      1.116          0.415    (  0.900)       0.701
62   5.17     3.60      1.296          0.415    (  1.045)       0.881
63   5.25     3.90      1.404          0.415    (  1.132)       0.989
64   5.33     4.20      1.512          0.415    (  1.219)       1.097
65   5.42     4.70      1.692          0.415    (  1.364)       1.277
66   5.50     5.60      2.016          0.415    (  1.625)       1.601
67   5.58     1.90      0.684          0.415    (  0.551)       0.269
68   5.67     0.90      0.324       (  0.415)       0.261        0.063
69   5.75     0.60      0.216       (  0.415)       0.174        0.042
70   5.83     0.50      0.180       (  0.415)       0.145        0.035
71   5.92     0.30      0.108       (  0.415)       0.087        0.021
72   6.00     0.20      0.072       (  0.415)       0.058        0.014
            (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    14.6
    Flood volume = Effective rainfall      1.22(In)
     times area      51.5(Ac.)/[(In)/(Ft.)] =       5.2(Ac.Ft)
    Total soil loss =      1.78(In)
    Total soil loss =     7.647(Ac.Ft)
    Total rainfall =      3.00(In)
    Flood volume =      227651.6 Cubic Feet
    Total soil loss =      333084.1 Cubic Feet
    ---------------------------------------------------------------------
     Peak flow rate of this hydrograph =     75.364(CFS)
    ---------------------------------------------------------------------
    +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        6 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
    ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

    ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       20.0      40.0      60.0      80.0
-----------------------------------------------------------------------
  0+ 5       0.0071      1.03  Q         |         |         |         |
  0+10       0.0203      1.91  Q         |         |         |         |
  0+15       0.0351      2.15  VQ        |         |         |         |
  0+20       0.0500      2.17  VQ        |         |         |         |
  0+25       0.0650      2.17  VQ        |         |         |         |
  0+30       0.0813      2.38  VQ        |         |         |         |
  0+35       0.0986      2.51  VQ        |         |         |         |
  0+40       0.1161      2.53  VQ        |         |         |         |
  0+45       0.1335      2.53  |Q        |         |         |         |
  0+50       0.1510      2.53  |Q        |         |         |         |
  0+55       0.1684      2.53  |Q        |         |         |         |
  1+ 0       0.1873      2.74  |Q        |         |         |         |
  1+ 5       0.2071      2.87  |Q        |         |         |         |
```

```
   1+10       0.2270      2.89  |Q        |         |         |         |
   1+15       0.2470      2.89  |Q        |         |         |         |
   1+20       0.2669      2.89  |QV       |         |         |         |
   1+25       0.2868      2.89  |QV       |         |         |         |
   1+30       0.3068      2.89  |QV       |         |         |         |
   1+35       0.3267      2.89  |QV       |         |         |         |
   1+40       0.3466      2.89  |QV       |         |         |         |
   1+45       0.3666      2.89  |QV       |         |         |         |
   1+50       0.3865      2.89  |QV       |         |         |         |
   1+55       0.4065      2.89  |Q V      |         |         |         |
   2+ 0       0.4278      3.10  |Q V      |         |         |         |
   2+ 5       0.4487      3.03  |Q V      |         |         |         |
   2+10       0.4702      3.12  |Q V      |         |         |         |
   2+15       0.4925      3.24  |Q V      |         |         |         |
   2+20       0.5149      3.26  |Q V      |         |         |         |
   2+25       0.5373      3.26  |Q  V     |         |         |         |
   2+30       0.5597      3.26  |Q  V     |         |         |         |
   2+35       0.5822      3.26  |Q  V     |         |         |         |
   2+40       0.6046      3.26  |Q  V     |         |         |         |
   2+45       0.6285      3.46  |Q  V     |         |         |         |
   2+50       0.6532      3.60  |Q  V     |         |         |         |
   2+55       0.6782      3.62  |Q   V    |         |         |         |
   3+ 0       0.7031      3.62  |Q   V    |         |         |         |
   3+ 5       0.7280      3.62  |Q   V    |         |         |         |
   3+10       0.7543      3.83  |Q   V    |         |         |         |
   3+15       0.7816      3.96  |Q   V    |         |         |         |
   3+20       0.8090      3.98  |Q    V   |         |         |         |
   3+25       0.8379      4.19  | Q   V   |         |         |         |
   3+30       0.8690      4.53  | Q   V   |         |         |         |
   3+35       0.9027      4.89  | Q   V   |         |         |         |
   3+40       0.9375      5.04  | Q    V  |         |         |         |
   3+45       0.9780      5.89  | Q    V  |         |         |         |
   3+50       1.0222      6.42  |  Q   V  |         |         |         |
   3+55       1.0743      7.57  |  Q    V |         |         |         |
   4+ 0       1.1312      8.26  |   Q   V |         |         |         |
   4+ 5       1.1962      9.44  |   Q    V|         |         |         |
   4+10       1.2733     11.20  |    Q   V|         |         |         |
   4+15       1.3633     13.06  |     Q   V         |         |         |
   4+20       1.4661     14.93  |      Q  |V        |         |         |
   4+25       1.5818     16.80  |       Q | V       |         |         |
   4+30       1.7031     17.60  |       Q |  V      |         |         |
   4+35       1.8324     18.78  |        Q|   V     |         |         |
   4+40       1.9739     20.54  |         Q    V    |         |         |
   4+45       2.1282     22.41  |         |Q    V   |         |         |
   4+50       2.2881     23.21  |         |Q     V  |         |         |
   4+55       2.4561     24.39  |         | Q     V |         |         |
   5+ 0       2.6362     26.15  |         |  Q      V         |         |
   5+ 5       2.8585     32.29  |         |     Q   |V        |         |
   5+10       3.1422     41.19  |         |         Q   V     |         |
   5+15       3.4755     48.40  |         |         |   Q V   |         |
   5+20       3.8490     54.23  |         |         |      Q V|         |
   5+25       4.2758     61.97  |         |         |         Q V       |
   5+30       4.7948     75.36  |         |         |         |     VQ  |
   5+35       5.0883     42.62  |         |         |Q        |       V |
   5+40       5.1709     11.99  |    Q    |         |         |        V|
   5+45       5.1935      3.28  |Q        |         |         |        V|
   5+50       5.2075      2.03  |Q        |         |         |        V|
   5+55       5.2172      1.42  Q         |         |         |        V|
   6+ 0       5.2236      0.92  Q         |         |         |        V|
   6+ 5       5.2259      0.33  Q         |         |         |        V|
   6+10       5.2262      0.04  Q         |         |         |         V
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/16/21 File: RVPRA24100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- PROPOSED UNIT HYDROGRAPH
100YR-24HR STORM

Drainage Area = 51.50(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.50(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 1314.50(Ft.)
Length along longest watercourse measured to centroid = 1017.40(Ft.)
Length along longest watercourse = 0.249 Mi.
Length along longest watercourse measured to centroid = 0.193 Mi.
Difference in elevation = 444.00(Ft.)
Slope along watercourse = 1783.4310 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.64 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	2.70	139.05

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.50	7.00	360.50

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 7.000(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 6.999(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.500	78.00	0.117

Total Area Entered = 51.50(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      78.0  89.8      0.132     0.117        0.118       1.000      0.118
                                                          Sum (F) =   0.118
      Area averaged mean soil loss (F) (In/Hr) =  0.415
      Minimum soil loss rate ((In/Hr)) =  0.207
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.806
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        304.425         57.130             29.652
          2   0.167        608.851         36.886             19.145
          3   0.250        913.276          5.984              3.106
                                    Sum = 100.000   Sum=      51.902
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The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.056	(0.735)	0.045	0.011
2	0.17	0.07	0.056	(0.732)	0.045	0.011
3	0.25	0.07	0.056	(0.729)	0.045	0.011
4	0.33	0.10	0.084	(0.727)	0.068	0.016
5	0.42	0.10	0.084	(0.724)	0.068	0.016
6	0.50	0.10	0.084	(0.721)	0.068	0.016
7	0.58	0.10	0.084	(0.718)	0.068	0.016
8	0.67	0.10	0.084	(0.715)	0.068	0.016
9	0.75	0.10	0.084	(0.713)	0.068	0.016
10	0.83	0.13	0.112	(0.710)	0.090	0.022
11	0.92	0.13	0.112	(0.707)	0.090	0.022
12	1.00	0.13	0.112	(0.704)	0.090	0.022
13	1.08	0.10	0.084	(0.701)	0.068	0.016
14	1.17	0.10	0.084	(0.699)	0.068	0.016
15	1.25	0.10	0.084	(0.696)	0.068	0.016
16	1.33	0.10	0.084	(0.693)	0.068	0.016
17	1.42	0.10	0.084	(0.690)	0.068	0.016
18	1.50	0.10	0.084	(0.688)	0.068	0.016
19	1.58	0.10	0.084	(0.685)	0.068	0.016
20	1.67	0.10	0.084	(0.682)	0.068	0.016
21	1.75	0.10	0.084	(0.679)	0.068	0.016
22	1.83	0.13	0.112	(0.677)	0.090	0.022
23	1.92	0.13	0.112	(0.674)	0.090	0.022
24	2.00	0.13	0.112	(0.671)	0.090	0.022
25	2.08	0.13	0.112	(0.668)	0.090	0.022
26	2.17	0.13	0.112	(0.666)	0.090	0.022
27	2.25	0.13	0.112	(0.663)	0.090	0.022
28	2.33	0.13	0.112	(0.660)	0.090	0.022
29	2.42	0.13	0.112	(0.658)	0.090	0.022
30	2.50	0.13	0.112	(0.655)	0.090	0.022
31	2.58	0.17	0.140	(0.652)	0.113	0.027
32	2.67	0.17	0.140	(0.650)	0.113	0.027
33	2.75	0.17	0.140	(0.647)	0.113	0.027
34	2.83	0.17	0.140	(0.644)	0.113	0.027
35	2.92	0.17	0.140	(0.642)	0.113	0.027
36	3.00	0.17	0.140	(0.639)	0.113	0.027
37	3.08	0.17	0.140	(0.636)	0.113	0.027
38	3.17	0.17	0.140	(0.634)	0.113	0.027

39	3.25	0.17	0.140	(0.631)	0.113	0.027
40	3.33	0.17	0.140	(0.628)	0.113	0.027
41	3.42	0.17	0.140	(0.626)	0.113	0.027
42	3.50	0.17	0.140	(0.623)	0.113	0.027
43	3.58	0.17	0.140	(0.621)	0.113	0.027
44	3.67	0.17	0.140	(0.618)	0.113	0.027
45	3.75	0.17	0.140	(0.615)	0.113	0.027
46	3.83	0.20	0.168	(0.613)	0.135	0.033
47	3.92	0.20	0.168	(0.610)	0.135	0.033
48	4.00	0.20	0.168	(0.608)	0.135	0.033
49	4.08	0.20	0.168	(0.605)	0.135	0.033
50	4.17	0.20	0.168	(0.602)	0.135	0.033
51	4.25	0.20	0.168	(0.600)	0.135	0.033
52	4.33	0.23	0.196	(0.597)	0.158	0.038
53	4.42	0.23	0.196	(0.595)	0.158	0.038
54	4.50	0.23	0.196	(0.592)	0.158	0.038
55	4.58	0.23	0.196	(0.590)	0.158	0.038
56	4.67	0.23	0.196	(0.587)	0.158	0.038
57	4.75	0.23	0.196	(0.585)	0.158	0.038
58	4.83	0.27	0.224	(0.582)	0.181	0.043
59	4.92	0.27	0.224	(0.580)	0.181	0.043
60	5.00	0.27	0.224	(0.577)	0.181	0.043
61	5.08	0.20	0.168	(0.575)	0.135	0.033
62	5.17	0.20	0.168	(0.572)	0.135	0.033
63	5.25	0.20	0.168	(0.570)	0.135	0.033
64	5.33	0.23	0.196	(0.567)	0.158	0.038
65	5.42	0.23	0.196	(0.565)	0.158	0.038
66	5.50	0.23	0.196	(0.562)	0.158	0.038
67	5.58	0.27	0.224	(0.560)	0.181	0.043
68	5.67	0.27	0.224	(0.557)	0.181	0.043
69	5.75	0.27	0.224	(0.555)	0.181	0.043
70	5.83	0.27	0.224	(0.552)	0.181	0.043
71	5.92	0.27	0.224	(0.550)	0.181	0.043
72	6.00	0.27	0.224	(0.547)	0.181	0.043
73	6.08	0.30	0.252	(0.545)	0.203	0.049
74	6.17	0.30	0.252	(0.543)	0.203	0.049
75	6.25	0.30	0.252	(0.540)	0.203	0.049
76	6.33	0.30	0.252	(0.538)	0.203	0.049
77	6.42	0.30	0.252	(0.535)	0.203	0.049
78	6.50	0.30	0.252	(0.533)	0.203	0.049
79	6.58	0.33	0.280	(0.531)	0.226	0.054
80	6.67	0.33	0.280	(0.528)	0.226	0.054
81	6.75	0.33	0.280	(0.526)	0.226	0.054
82	6.83	0.33	0.280	(0.523)	0.226	0.054
83	6.92	0.33	0.280	(0.521)	0.226	0.054
84	7.00	0.33	0.280	(0.519)	0.226	0.054
85	7.08	0.33	0.280	(0.516)	0.226	0.054
86	7.17	0.33	0.280	(0.514)	0.226	0.054
87	7.25	0.33	0.280	(0.512)	0.226	0.054
88	7.33	0.37	0.308	(0.509)	0.248	0.060
89	7.42	0.37	0.308	(0.507)	0.248	0.060
90	7.50	0.37	0.308	(0.505)	0.248	0.060
91	7.58	0.40	0.336	(0.502)	0.271	0.065
92	7.67	0.40	0.336	(0.500)	0.271	0.065
93	7.75	0.40	0.336	(0.498)	0.271	0.065
94	7.83	0.43	0.364	(0.495)	0.294	0.070
95	7.92	0.43	0.364	(0.493)	0.294	0.070
96	8.00	0.43	0.364	(0.491)	0.294	0.070
97	8.08	0.50	0.420	(0.489)	0.339	0.081
98	8.17	0.50	0.420	(0.486)	0.339	0.081
99	8.25	0.50	0.420	(0.484)	0.339	0.081
100	8.33	0.50	0.420	(0.482)	0.339	0.081
101	8.42	0.50	0.420	(0.479)	0.339	0.081
102	8.50	0.50	0.420	(0.477)	0.339	0.081
103	8.58	0.53	0.448	(0.475)	0.361	0.087
104	8.67	0.53	0.448	(0.473)	0.361	0.087
105	8.75	0.53	0.448	(0.471)	0.361	0.087

106	8.83	0.57	0.476	(	0.468)	0.384		0.092
107	8.92	0.57	0.476	(	0.466)	0.384		0.092
108	9.00	0.57	0.476	(	0.464)	0.384		0.092
109	9.08	0.63	0.532	(	0.462)	0.429		0.103
110	9.17	0.63	0.532	(	0.459)	0.429		0.103
111	9.25	0.63	0.532	(	0.457)	0.429		0.103
112	9.33	0.67	0.560	(	0.455)	0.452		0.108
113	9.42	0.67	0.560	(	0.453)	0.452		0.108
114	9.50	0.67	0.560		0.451	(	0.452)	0.109
115	9.58	0.70	0.588		0.449	(	0.474)	0.139
116	9.67	0.70	0.588		0.446	(	0.474)	0.141
117	9.75	0.70	0.588		0.444	(	0.474)	0.144
118	9.83	0.73	0.616		0.442	(	0.497)	0.174
119	9.92	0.73	0.616		0.440	(	0.497)	0.176
120	10.00	0.73	0.616		0.438	(	0.497)	0.178
121	10.08	0.50	0.420	(	0.436)	0.339		0.081
122	10.17	0.50	0.420	(	0.434)	0.339		0.081
123	10.25	0.50	0.420	(	0.432)	0.339		0.081
124	10.33	0.50	0.420	(	0.430)	0.339		0.081
125	10.42	0.50	0.420	(	0.427)	0.339		0.081
126	10.50	0.50	0.420	(	0.425)	0.339		0.081
127	10.58	0.67	0.560		0.423	(	0.452)	0.137
128	10.67	0.67	0.560		0.421	(	0.452)	0.139
129	10.75	0.67	0.560		0.419	(	0.452)	0.141
130	10.83	0.67	0.560		0.417	(	0.452)	0.143
131	10.92	0.67	0.560		0.415	(	0.452)	0.145
132	11.00	0.67	0.560		0.413	(	0.452)	0.147
133	11.08	0.63	0.532		0.411	(	0.429)	0.121
134	11.17	0.63	0.532		0.409	(	0.429)	0.123
135	11.25	0.63	0.532		0.407	(	0.429)	0.125
136	11.33	0.63	0.532		0.405	(	0.429)	0.127
137	11.42	0.63	0.532		0.403	(	0.429)	0.129
138	11.50	0.63	0.532		0.401	(	0.429)	0.131
139	11.58	0.57	0.476	(	0.399)	0.384		0.092
140	11.67	0.57	0.476	(	0.397)	0.384		0.092
141	11.75	0.57	0.476	(	0.395)	0.384		0.092
142	11.83	0.60	0.504		0.393	(	0.406)	0.111
143	11.92	0.60	0.504		0.391	(	0.406)	0.113
144	12.00	0.60	0.504		0.389	(	0.406)	0.115
145	12.08	0.83	0.700		0.387	(	0.564)	0.313
146	12.17	0.83	0.700		0.385	(	0.564)	0.315
147	12.25	0.83	0.700		0.383	(	0.564)	0.317
148	12.33	0.87	0.728		0.381	(	0.587)	0.347
149	12.42	0.87	0.728		0.379	(	0.587)	0.349
150	12.50	0.87	0.728		0.378	(	0.587)	0.350
151	12.58	0.93	0.784		0.376	(	0.632)	0.408
152	12.67	0.93	0.784		0.374	(	0.632)	0.410
153	12.75	0.93	0.784		0.372	(	0.632)	0.412
154	12.83	0.97	0.812		0.370	(	0.655)	0.442
155	12.92	0.97	0.812		0.368	(	0.655)	0.444
156	13.00	0.97	0.812		0.366	(	0.655)	0.446
157	13.08	1.13	0.952		0.364	(	0.768)	0.588
158	13.17	1.13	0.952		0.363	(	0.768)	0.589
159	13.25	1.13	0.952		0.361	(	0.768)	0.591
160	13.33	1.13	0.952		0.359	(	0.768)	0.593
161	13.42	1.13	0.952		0.357	(	0.768)	0.595
162	13.50	1.13	0.952		0.355	(	0.768)	0.597
163	13.58	0.77	0.644		0.353	(	0.519)	0.291
164	13.67	0.77	0.644		0.352	(	0.519)	0.292
165	13.75	0.77	0.644		0.350	(	0.519)	0.294
166	13.83	0.77	0.644		0.348	(	0.519)	0.296
167	13.92	0.77	0.644		0.346	(	0.519)	0.298
168	14.00	0.77	0.644		0.344	(	0.519)	0.299
169	14.08	0.90	0.756		0.343	(	0.610)	0.413
170	14.17	0.90	0.756		0.341	(	0.610)	0.415
171	14.25	0.90	0.756		0.339	(	0.610)	0.417
172	14.33	0.87	0.728		0.337	(	0.587)	0.390

173	14.42	0.87	0.728	0.336	(0.587)	0.392
174	14.50	0.87	0.728	0.334	(0.587)	0.394
175	14.58	0.87	0.728	0.332	(0.587)	0.396
176	14.67	0.87	0.728	0.331	(0.587)	0.397
177	14.75	0.87	0.728	0.329	(0.587)	0.399
178	14.83	0.83	0.700	0.327	(0.564)	0.373
179	14.92	0.83	0.700	0.326	(0.564)	0.374
180	15.00	0.83	0.700	0.324	(0.564)	0.376
181	15.08	0.80	0.672	0.322	(0.542)	0.350
182	15.17	0.80	0.672	0.321	(0.542)	0.351
183	15.25	0.80	0.672	0.319	(0.542)	0.353
184	15.33	0.77	0.644	0.317	(0.519)	0.327
185	15.42	0.77	0.644	0.316	(0.519)	0.328
186	15.50	0.77	0.644	0.314	(0.519)	0.330
187	15.58	0.63	0.532	0.312	(0.429)	0.219
188	15.67	0.63	0.532	0.311	(0.429)	0.221
189	15.75	0.63	0.532	0.309	(0.429)	0.223
190	15.83	0.63	0.532	0.308	(0.429)	0.224
191	15.92	0.63	0.532	0.306	(0.429)	0.226
192	16.00	0.63	0.532	0.305	(0.429)	0.227
193	16.08	0.13	0.112	(0.303)	0.090	0.022
194	16.17	0.13	0.112	(0.301)	0.090	0.022
195	16.25	0.13	0.112	(0.300)	0.090	0.022
196	16.33	0.13	0.112	(0.298)	0.090	0.022
197	16.42	0.13	0.112	(0.297)	0.090	0.022
198	16.50	0.13	0.112	(0.295)	0.090	0.022
199	16.58	0.10	0.084	(0.294)	0.068	0.016
200	16.67	0.10	0.084	(0.292)	0.068	0.016
201	16.75	0.10	0.084	(0.291)	0.068	0.016
202	16.83	0.10	0.084	(0.289)	0.068	0.016
203	16.92	0.10	0.084	(0.288)	0.068	0.016
204	17.00	0.10	0.084	(0.286)	0.068	0.016
205	17.08	0.17	0.140	(0.285)	0.113	0.027
206	17.17	0.17	0.140	(0.284)	0.113	0.027
207	17.25	0.17	0.140	(0.282)	0.113	0.027
208	17.33	0.17	0.140	(0.281)	0.113	0.027
209	17.42	0.17	0.140	(0.279)	0.113	0.027
210	17.50	0.17	0.140	(0.278)	0.113	0.027
211	17.58	0.17	0.140	(0.277)	0.113	0.027
212	17.67	0.17	0.140	(0.275)	0.113	0.027
213	17.75	0.17	0.140	(0.274)	0.113	0.027
214	17.83	0.13	0.112	(0.272)	0.090	0.022
215	17.92	0.13	0.112	(0.271)	0.090	0.022
216	18.00	0.13	0.112	(0.270)	0.090	0.022
217	18.08	0.13	0.112	(0.268)	0.090	0.022
218	18.17	0.13	0.112	(0.267)	0.090	0.022
219	18.25	0.13	0.112	(0.266)	0.090	0.022
220	18.33	0.13	0.112	(0.264)	0.090	0.022
221	18.42	0.13	0.112	(0.263)	0.090	0.022
222	18.50	0.13	0.112	(0.262)	0.090	0.022
223	18.58	0.10	0.084	(0.261)	0.068	0.016
224	18.67	0.10	0.084	(0.259)	0.068	0.016
225	18.75	0.10	0.084	(0.258)	0.068	0.016
226	18.83	0.07	0.056	(0.257)	0.045	0.011
227	18.92	0.07	0.056	(0.256)	0.045	0.011
228	19.00	0.07	0.056	(0.254)	0.045	0.011
229	19.08	0.10	0.084	(0.253)	0.068	0.016
230	19.17	0.10	0.084	(0.252)	0.068	0.016
231	19.25	0.10	0.084	(0.251)	0.068	0.016
232	19.33	0.13	0.112	(0.250)	0.090	0.022
233	19.42	0.13	0.112	(0.249)	0.090	0.022
234	19.50	0.13	0.112	(0.247)	0.090	0.022
235	19.58	0.10	0.084	(0.246)	0.068	0.016
236	19.67	0.10	0.084	(0.245)	0.068	0.016
237	19.75	0.10	0.084	(0.244)	0.068	0.016
238	19.83	0.07	0.056	(0.243)	0.045	0.011
239	19.92	0.07	0.056	(0.242)	0.045	0.011

240	20.00	0.07	0.056	(0.241)	0.045	0.011
241	20.08	0.10	0.084	(0.240)	0.068	0.016
242	20.17	0.10	0.084	(0.239)	0.068	0.016
243	20.25	0.10	0.084	(0.238)	0.068	0.016
244	20.33	0.10	0.084	(0.237)	0.068	0.016
245	20.42	0.10	0.084	(0.236)	0.068	0.016
246	20.50	0.10	0.084	(0.235)	0.068	0.016
247	20.58	0.10	0.084	(0.234)	0.068	0.016
248	20.67	0.10	0.084	(0.233)	0.068	0.016
249	20.75	0.10	0.084	(0.232)	0.068	0.016
250	20.83	0.07	0.056	(0.231)	0.045	0.011
251	20.92	0.07	0.056	(0.230)	0.045	0.011
252	21.00	0.07	0.056	(0.229)	0.045	0.011
253	21.08	0.10	0.084	(0.228)	0.068	0.016
254	21.17	0.10	0.084	(0.227)	0.068	0.016
255	21.25	0.10	0.084	(0.226)	0.068	0.016
256	21.33	0.07	0.056	(0.225)	0.045	0.011
257	21.42	0.07	0.056	(0.224)	0.045	0.011
258	21.50	0.07	0.056	(0.224)	0.045	0.011
259	21.58	0.10	0.084	(0.223)	0.068	0.016
260	21.67	0.10	0.084	(0.222)	0.068	0.016
261	21.75	0.10	0.084	(0.221)	0.068	0.016
262	21.83	0.07	0.056	(0.220)	0.045	0.011
263	21.92	0.07	0.056	(0.220)	0.045	0.011
264	22.00	0.07	0.056	(0.219)	0.045	0.011
265	22.08	0.10	0.084	(0.218)	0.068	0.016
266	22.17	0.10	0.084	(0.218)	0.068	0.016
267	22.25	0.10	0.084	(0.217)	0.068	0.016
268	22.33	0.07	0.056	(0.216)	0.045	0.011
269	22.42	0.07	0.056	(0.216)	0.045	0.011
270	22.50	0.07	0.056	(0.215)	0.045	0.011
271	22.58	0.07	0.056	(0.214)	0.045	0.011
272	22.67	0.07	0.056	(0.214)	0.045	0.011
273	22.75	0.07	0.056	(0.213)	0.045	0.011
274	22.83	0.07	0.056	(0.213)	0.045	0.011
275	22.92	0.07	0.056	(0.212)	0.045	0.011
276	23.00	0.07	0.056	(0.211)	0.045	0.011
277	23.08	0.07	0.056	(0.211)	0.045	0.011
278	23.17	0.07	0.056	(0.210)	0.045	0.011
279	23.25	0.07	0.056	(0.210)	0.045	0.011
280	23.33	0.07	0.056	(0.210)	0.045	0.011
281	23.42	0.07	0.056	(0.209)	0.045	0.011
282	23.50	0.07	0.056	(0.209)	0.045	0.011
283	23.58	0.07	0.056	(0.209)	0.045	0.011
284	23.67	0.07	0.056	(0.208)	0.045	0.011
285	23.75	0.07	0.056	(0.208)	0.045	0.011
286	23.83	0.07	0.056	(0.208)	0.045	0.011
287	23.92	0.07	0.056	(0.208)	0.045	0.011
288	24.00	0.07	0.056	(0.207)	0.045	0.011

(Loss Rate Not Used)

Sum = 100.0 Sum = 28.2

Flood volume = Effective rainfall 2.35(In)
times area 51.5(Ac.)/[(In)/(Ft.)] = 10.1(Ac.Ft)
Total soil loss = 4.65(In)
Total soil loss = 19.951(Ac.Ft)
Total rainfall = 7.00(In)
Flood volume = 439422.9 Cubic Feet
Total soil loss = 869060.4 Cubic Feet

Peak flow rate of this hydrograph = 30.940(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	10.0	20.0	30.0	40.0
0+ 5	0.0022	0.32	Q				
0+10	0.0059	0.53	Q				
0+15	0.0097	0.56	Q				
0+20	0.0147	0.72	Q				
0+25	0.0204	0.83	Q				
0+30	0.0262	0.84	Q				
0+35	0.0321	0.84	Q				
0+40	0.0379	0.84	Q				
0+45	0.0437	0.84	Q				
0+50	0.0506	1.01	VQ				
0+55	0.0582	1.11	VQ				
1+ 0	0.0660	1.13	VQ				
1+ 5	0.0726	0.97	Q				
1+10	0.0786	0.86	Q				
1+15	0.0844	0.84	Q				
1+20	0.0902	0.84	Q				
1+25	0.0960	0.84	Q				
1+30	0.1018	0.84	Q				
1+35	0.1077	0.84	Q				
1+40	0.1135	0.84	Q				
1+45	0.1193	0.84	Q				
1+50	0.1262	1.01	VQ				
1+55	0.1338	1.11	VQ				
2+ 0	0.1416	1.13	VQ				
2+ 5	0.1494	1.13	VQ				
2+10	0.1571	1.13	VQ				
2+15	0.1649	1.13	VQ				
2+20	0.1726	1.13	VQ				
2+25	0.1804	1.13	VQ				
2+30	0.1881	1.13	VQ				
2+35	0.1970	1.29	VQ				
2+40	0.2066	1.39	VQ				
2+45	0.2163	1.41	VQ				
2+50	0.2259	1.41	VQ				
2+55	0.2356	1.41	VQ				
3+ 0	0.2453	1.41	VQ				
3+ 5	0.2550	1.41	|Q				
3+10	0.2647	1.41	|Q				
3+15	0.2744	1.41	|Q				
3+20	0.2841	1.41	|Q				
3+25	0.2938	1.41	|Q				
3+30	0.3035	1.41	|Q				
3+35	0.3132	1.41	|Q				
3+40	0.3229	1.41	|Q				
3+45	0.3326	1.41	|Q				
3+50	0.3434	1.57	|Q				
3+55	0.3549	1.67	|Q				
4+ 0	0.3665	1.69	|Q				
4+ 5	0.3781	1.69	|Q				
4+10	0.3898	1.69	|Q				
4+15	0.4014	1.69	|Q				
4+20	0.4141	1.85	|Q				
4+25	0.4276	1.95	|Q				
4+30	0.4412	1.97	|Q				
4+35	0.4547	1.97	|Q				
4+40	0.4683	1.97	|Q				
4+45	0.4819	1.97	|Q				
4+50	0.4965	2.13	|VQ				
4+55	0.5119	2.23	| Q				
5+ 0	0.5274	2.25	| Q				
5+ 5	0.5407	1.93	|QV				
5+10	0.5526	1.72	|QV				
5+15	0.5642	1.69	|QV				
5+20	0.5770	1.85	|QV				

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 5+25       0.5904      1.95  |QV       |          |          |          |
 5+30       0.6040      1.97  |QV       |          |          |          |
 5+35       0.6187      2.13  | Q       |          |          |          |
 5+40       0.6341      2.23  | Q       |          |          |          |
 5+45       0.6496      2.25  | Q       |          |          |          |
 5+50       0.6651      2.25  | Q       |          |          |          |
 5+55       0.6806      2.25  | Q       |          |          |          |
 6+ 0       0.6961      2.25  | Q       |          |          |          |
 6+ 5       0.7127      2.41  | Q       |          |          |          |
 6+10       0.7300      2.52  | Q       |          |          |          |
 6+15       0.7475      2.53  | Q       |          |          |          |
 6+20       0.7649      2.53  | QV      |          |          |          |
 6+25       0.7824      2.53  | QV      |          |          |          |
 6+30       0.7998      2.53  | QV      |          |          |          |
 6+35       0.8184      2.69  | QV      |          |          |          |
 6+40       0.8377      2.80  | QV      |          |          |          |
 6+45       0.8570      2.81  | QV      |          |          |          |
 6+50       0.8764      2.81  | QV      |          |          |          |
 6+55       0.8958      2.81  | QV      |          |          |          |
 7+ 0       0.9152      2.81  | QV      |          |          |          |
 7+ 5       0.9346      2.81  | QV      |          |          |          |
 7+10       0.9540      2.81  | QV      |          |          |          |
 7+15       0.9733      2.81  | QV      |          |          |          |
 7+20       0.9938      2.98  | QV      |          |          |          |
 7+25       1.0150      3.08  |  QV     |          |          |          |
 7+30       1.0364      3.10  |  QV     |          |          |          |
 7+35       1.0588      3.26  |  QV     |          |          |          |
 7+40       1.0819      3.36  |  QV     |          |          |          |
 7+45       1.1052      3.38  |  QV     |          |          |          |
 7+50       1.1296      3.54  |  QV     |          |          |          |
 7+55       1.1547      3.64  |  QV     |          |          |          |
 8+ 0       1.1799      3.66  |  QV     |          |          |          |
 8+ 5       1.2073      3.98  |  QV     |          |          |          |
 8+10       1.2361      4.19  |   Q     |          |          |          |
 8+15       1.2652      4.22  |   QV    |          |          |          |
 8+20       1.2943      4.22  |   QV    |          |          |          |
 8+25       1.3234      4.22  |   QV    |          |          |          |
 8+30       1.3524      4.22  |   QV    |          |          |          |
 8+35       1.3826      4.38  |   QV    |          |          |          |
 8+40       1.4135      4.49  |   QV    |          |          |          |
 8+45       1.4445      4.50  |   QV    |          |          |          |
 8+50       1.4767      4.66  |   QV    |          |          |          |
 8+55       1.5095      4.77  |   QV    |          |          |          |
 9+ 0       1.5424      4.78  |   Q V   |          |          |          |
 9+ 5       1.5776      5.11  |    QV   |          |          |          |
 9+10       1.6142      5.31  |    QV   |          |          |          |
 9+15       1.6510      5.35  |    QV   |          |          |          |
 9+20       1.6890      5.51  |    QV   |          |          |          |
 9+25       1.7276      5.61  |    QV   |          |          |          |
 9+30       1.7666      5.65  |    Q V  |          |          |          |
 9+35       1.8118      6.56  |     QV  |          |          |          |
 9+40       1.8614      7.20  |      Q  |          |          |          |
 9+45       1.9124      7.40  |      Q  |          |          |          |
 9+50       1.9698      8.34  |      VQ |          |          |          |
 9+55       2.0318      8.99  |       Q |          |          |          |
10+ 0       2.0950      9.19  |       VQ|          |          |          |
10+ 5       2.1389      6.37  |     Q V |          |          |          |
10+10       2.1701      4.52  |   Q   V |          |          |          |
10+15       2.1991      4.22  |   Q   V |          |          |          |
10+20       2.2282      4.22  |   Q   V |          |          |          |
10+25       2.2573      4.22  |   Q   V |          |          |          |
10+30       2.2864      4.22  |   Q    V|          |          |          |
10+35       2.3268      5.87  |    Q   V|          |          |          |
10+40       2.3749      6.99  |     Q  V|          |          |          |
10+45       2.4249      7.26  |      Q V|          |          |          |
10+50       2.4756      7.37  |      Q V|          |          |          |
10+55       2.5271      7.47  |      Q  V          |          |          |
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11+ 0       2.5793      7.58  |      Q  V          |          |          |
11+ 5       2.6265      6.85  |     Q   V          |          |          |
11+10       2.6707      6.42  |     Q   V          |          |          |
11+15       2.7151      6.44  |     Q   V          |          |          |
11+20       2.7602      6.55  |     Q   V          |          |          |
11+25       2.8060      6.65  |     Q   |V         |          |          |
11+30       2.8525      6.75  |     Q   |V         |          |          |
11+35       2.8914      5.64  |    Q    |V         |          |          |
11+40       2.9252      4.91  |   Q     |V         |          |          |
11+45       2.9581      4.78  |   Q     |V         |          |          |
11+50       2.9949      5.34  |    Q    |V         |          |          |
11+55       3.0346      5.76  |    Q    | V        |          |          |
12+ 0       3.0754      5.92  |    Q    | V        |          |          |
12+ 5       3.1568     11.83  |         |QV        |          |          |
12+10       3.2649     15.69  |         | V  Q     |          |          |
12+15       3.3778     16.40  |         |  V  Q    |          |          |
12+20       3.4971     17.33  |         |  V   Q   |          |          |
12+25       3.6208     17.96  |         |   V  Q   |          |          |
12+30       3.7458     18.15  |         |   V   Q  |          |          |
12+35       3.8829     19.91  |         |    V   Q|          |          |
12+40       4.0281     21.08  |         |    V    |Q         |          |
12+45       4.1751     21.35  |         |     V   |Q         |          |
12+50       4.3286     22.28  |         |      V  | Q        |          |
12+55       4.4864     22.91  |         |      V  | Q        |          |
13+ 0       4.6455     23.10  |         |       V |  Q       |          |
13+ 5       4.8338     27.35  |         |        V|       Q  |          |
13+10       5.0413     30.12  |         |        V|          Q          |
13+15       5.2524     30.66  |         |         V          Q          |
13+20       5.4642     30.75  |         |         |V         Q          |
13+25       5.6766     30.85  |         |         | V        Q          |
13+30       5.8897     30.94  |         |         |  V       Q          |
13+35       6.0405     21.90  |         |         |Q V       |          |
13+40       6.1513     16.09  |         |     Q   |   V      |          |
13+45       6.2562     15.23  |         |    Q    |   V      |          |
13+50       6.3617     15.32  |         |    Q    |    V     |          |
13+55       6.4679     15.41  |         |    Q    |    V     |          |
14+ 0       6.5747     15.51  |         |    Q    |     V    |          |
14+ 5       6.7050     18.92  |         |       Q |     V    |          |
14+10       6.8507     21.16  |         |         |Q     V   |          |
14+15       6.9994     21.59  |         |         |Q     V   |          |
14+20       7.1430     20.85  |         |         Q       V  |          |
14+25       7.2836     20.41  |         |         Q       V  |          |
14+30       7.4241     20.41  |         |         Q        V|          |
14+35       7.5653     20.50  |         |         Q        V|          |
14+40       7.7071     20.59  |         |         Q         V          |
14+45       7.8495     20.68  |         |         Q         |V         |
14+50       7.9868     19.93  |         |        Q|         |V         |
14+55       8.1210     19.48  |         |        Q|         | V        |
15+ 0       8.2552     19.48  |         |        Q|         | V        |
15+ 5       8.3842     18.74  |         |       Q |         |  V       |
15+10       8.5102     18.29  |         |       Q |         |  V       |
15+15       8.6361     18.29  |         |       Q |         |   V      |
15+20       8.7570     17.54  |         |      Q  |         |   V      |
15+25       8.8747     17.09  |         |      Q  |         |    V     |
15+30       8.9924     17.09  |         |      Q  |         |    V     |
15+35       9.0878     13.85  |         |  Q      |         |     V    |
15+40       9.1689     11.79  |         |Q        |         |     V    |
15+45       9.2483     11.52  |         |Q        |         |     V    |
15+50       9.3282     11.61  |         |Q        |         |     V    |
15+55       9.4087     11.69  |         |Q        |         |      V   |
16+ 0       9.4898     11.77  |         |Q        |         |      V   |
16+ 5       9.5290      5.70  |    Q    |         |         |      V   |
16+10       9.5412      1.77  |Q        |         |         |      V   |
16+15       9.5490      1.13  |Q        |         |         |      V   |
16+20       9.5567      1.13  |Q        |         |         |      V   |
16+25       9.5645      1.13  |Q        |         |         |      V   |
16+30       9.5722      1.13  |Q        |         |         |      V   |
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16+35       9.5789      0.97  Q         |         |         |      V  |
16+40       9.5848      0.86  Q         |         |         |       V |
16+45       9.5906      0.84  Q         |         |         |       V |
16+50       9.5964      0.84  Q         |         |         |       V |
16+55       9.6022      0.84  Q         |         |         |       V |
17+ 0       9.6081      0.84  Q         |         |         |       V |
17+ 5       9.6161      1.17  |Q        |         |         |       V |
17+10       9.6255      1.37  |Q        |         |         |       V |
17+15       9.6352      1.41  |Q        |         |         |       V |
17+20       9.6449      1.41  |Q        |         |         |       V |
17+25       9.6546      1.41  |Q        |         |         |       V |
17+30       9.6643      1.41  |Q        |         |         |       V |
17+35       9.6740      1.41  |Q        |         |         |       V |
17+40       9.6837      1.41  |Q        |         |         |       V |
17+45       9.6934      1.41  |Q        |         |         |       V |
17+50       9.7020      1.25  |Q        |         |         |       V |
17+55       9.7098      1.14  |Q        |         |         |       V |
18+ 0       9.7176      1.13  |Q        |         |         |       V |
18+ 5       9.7254      1.13  |Q        |         |         |       V |
18+10       9.7331      1.13  |Q        |         |         |       V |
18+15       9.7409      1.13  |Q        |         |         |       V |
18+20       9.7486      1.13  |Q        |         |         |       V |
18+25       9.7564      1.13  |Q        |         |         |       V |
18+30       9.7641      1.13  |Q        |         |         |       V |
18+35       9.7708      0.97  Q         |         |         |       V |
18+40       9.7767      0.86  Q         |         |         |       V |
18+45       9.7825      0.84  Q         |         |         |       V |
18+50       9.7872      0.68  Q         |         |         |       V |
18+55       9.7912      0.58  Q         |         |         |       V |
19+ 0       9.7951      0.56  Q         |         |         |       V |
19+ 5       9.8001      0.72  Q         |         |         |       V |
19+10       9.8058      0.83  Q         |         |         |       V |
19+15       9.8116      0.84  Q         |         |         |       V |
19+20       9.8185      1.01  |Q        |         |         |       V |
19+25       9.8262      1.11  |Q        |         |         |       V |
19+30       9.8339      1.13  |Q        |         |         |       V |
19+35       9.8406      0.97  Q         |         |         |        V|
19+40       9.8465      0.86  Q         |         |         |        V|
19+45       9.8523      0.84  Q         |         |         |        V|
19+50       9.8570      0.68  Q         |         |         |        V|
19+55       9.8610      0.58  Q         |         |         |        V|
20+ 0       9.8649      0.56  Q         |         |         |        V|
20+ 5       9.8699      0.72  Q         |         |         |        V|
20+10       9.8756      0.83  Q         |         |         |        V|
20+15       9.8814      0.84  Q         |         |         |        V|
20+20       9.8872      0.84  Q         |         |         |        V|
20+25       9.8930      0.84  Q         |         |         |        V|
20+30       9.8988      0.84  Q         |         |         |        V|
20+35       9.9046      0.84  Q         |         |         |        V|
20+40       9.9105      0.84  Q         |         |         |        V|
20+45       9.9163      0.84  Q         |         |         |        V|
20+50       9.9210      0.68  Q         |         |         |        V|
20+55       9.9250      0.58  Q         |         |         |        V|
21+ 0       9.9289      0.56  Q         |         |         |        V|
21+ 5       9.9338      0.72  Q         |         |         |        V|
21+10       9.9395      0.83  Q         |         |         |        V|
21+15       9.9454      0.84  Q         |         |         |        V|
21+20       9.9501      0.68  Q         |         |         |        V|
21+25       9.9541      0.58  Q         |         |         |        V|
21+30       9.9579      0.56  Q         |         |         |        V|
21+35       9.9629      0.72  Q         |         |         |        V|
21+40       9.9686      0.83  Q         |         |         |        V|
21+45       9.9744      0.84  Q         |         |         |        V|
21+50       9.9791      0.68  Q         |         |         |        V|
21+55       9.9831      0.58  Q         |         |         |        V|
22+ 0       9.9870      0.56  Q         |         |         |        V|
22+ 5       9.9920      0.72  Q         |         |         |        V|
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22+10	9.9977	0.83	Q	|	|	|	V|
22+15	10.0035	0.84	Q	|	|	|	V|
22+20	10.0082	0.68	Q	|	|	|	V|
22+25	10.0122	0.58	Q	|	|	|	V|
22+30	10.0161	0.56	Q	|	|	|	V|
22+35	10.0200	0.56	Q	|	|	|	V|
22+40	10.0238	0.56	Q	|	|	|	V|
22+45	10.0277	0.56	Q	|	|	|	V|
22+50	10.0316	0.56	Q	|	|	|	V|
22+55	10.0355	0.56	Q	|	|	|	V|
23+ 0	10.0393	0.56	Q	|	|	|	V|
23+ 5	10.0432	0.56	Q	|	|	|	V|
23+10	10.0471	0.56	Q	|	|	|	V|
23+15	10.0510	0.56	Q	|	|	|	V|
23+20	10.0549	0.56	Q	|	|	|	V|
23+25	10.0587	0.56	Q	|	|	|	V|
23+30	10.0626	0.56	Q	|	|	|	V|
23+35	10.0665	0.56	Q	|	|	|	V|
23+40	10.0704	0.56	Q	|	|	|	V|
23+45	10.0742	0.56	Q	|	|	|	V|
23+50	10.0781	0.56	Q	|	|	|	V|
23+55	10.0820	0.56	Q	|	|	|	V|
24+ 0	10.0859	0.56	Q	|	|	|	V|
24+ 5	10.0875	0.24	Q	|	|	|	V|
24+10	10.0878	0.03	Q	|	|	|	V|

ROUTING

DEPTH vs OUTFLOW CALCULATIONS

OUTFLOW VS DEPTH CALCULATIONS

			HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	WEIR	
		No. of Holes →	**3**	**4**	0	0	0	0	0	0	0	**1**	← No. of Weir
			HOLE C	**HOLE C**	HOLE C	HOLE C	HOLE C	HOLE C	HOLE C	HOLE C	HOLE C	WEIR	
		Discharge Coefficient →	**0.6**	**0.6**	0.6	0.6	0.6	0.6	0.6	0.6	0.6	**3.33**	← Weir Coefficient
			HOLE FL	**HOLE FL**	HOLE FL	HOLE FL	HOLE FL	HOLE FL	HOLE FL	HOLE FL	HOLE FL	DIST TO WEIR	
		Distance of Holes from Basin Bottom (in) →	**2**	**11.5**	18	10	14	18	22	26	30	**31.8**	← Distance of Top of Weir from Basin Bottom (in)
			HOLE R	**HOLE R**	HOLE R	HOLE R	HOLE R	HOLE R	HOLE R	HOLE R	HOLE R	WEIR LENGTH FT	
		Rect. Height (in) →	**2**	**1**	2	4	2	2	2	2	2	**50.000**	← **Riser Pipe Perimeter (ft) =15'X10' Riser Pipe**
		Rect. Width (in) →	**5**	**4**	80	18	84	84	84	84	84		
			CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	WEIR ELEV	
		Hole Centerline Elev (ft) →	1116.25	1117	1117.58	1117	1117.25	1117.58	1117.92	1118.25	1118.58	**1118.65**	← Top of Riser Elevation (ft)
ELEV	DEPTH	OUTFLOW											
1116.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1117.00	1	0.87	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1118.00	2	1.86	1.33	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1118.65	2.65	2.24	1.55	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1119.00	3	36.90	1.66	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.48	
1119.50	3.5	133.13	1.81	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	130.48	
1120.00	4	264.03	1.94	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	261.16	
1121.00	5	603.07	2.19	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	599.81	
		↑										↑	
		[Σ FLOWS (HOLES+RISER)]			(OUTFLOW THROUGH HOLES)							(FLOW OVER TOP OF WEIR 1)	

Note:

Orifice outflow is based on:

1. $Q=CA(2gH)^{0.5}$
   where:
   C = Coefficient, 0.6 used here
   A = Orifice Area
   H = Headwater

Weir flow is based on:

2. $Q=CLH^{1.5}$
   where:
   C = Coefficient, 2.8 used here
   L = Weir Length, Grate Perimeter was used here
   H = Headwater

15'X10' Outlet is designed to convey 100-year peak flow rate.

RIO VISTA DEVELOPMENT, TR 37074
BASIN A
With 3@ 2"x5" Rectangular Orifices, 4@ 1"x4" Rectangular Orifice

STORAGE CAPACITY CALCULATION

Elevation (ft)	Contour Interval (ft)	Accumulate Depth (ft)	Area (sqft)	Area (acres)	Mean Area (acres)	Volume (ac-ft)	$Volume_{accumulat}$ (ac-ft)	$Volume_{accumulat}$ (cu-yd)	*Qout (cfs)
1116.00			12426	0.29			**0.0**	0.0	**0.00**
1117.00	1.00	**1.00**	14358	0.33	0.31	0.31	**0.31**	496.00	**0.87**
1118.00	1.00	**2.00**	16469	0.38	0.35	0.35	**0.66**	1066.87	**1.86**
1118.65	0.65	**2.65**	17887	0.41	0.39	0.26	**0.92**	1480.41	**2.24**
1119.00	0.35	**3.00**	19815	0.45	0.43	0.15	**1.07**	1724.78	**36.90**
1119.50	0.50	**3.50**	20122	0.46	0.46	0.23	**1.30**	2094.57	**133.13**
1120.00	1.35	**4.00**	20998	0.48	0.45	0.60	**1.90**	3066.69	**264.03**
SPILLWAY 1121.00	**2.00**	**5.00**	**23469**	**0.54**	**0.50**	**0.99**	**2.89**	**4669.80**	**603.07**

*** SEE RATING CURVE**

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/27/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRA12.rte
**********HYDROGRAPH DATA**********
Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 59.286 (CFS)
Total volume = 1.041 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN A- ROUTING
2YR-1HR STORM

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.870	0.307	0.313
2.000	0.660	1.860	0.654	0.666
2.650	0.920	2.240	0.912	0.928
3.000	1.070	36.900	0.943	1.197
3.500	1.300	133.130	0.842	1.758
4.000	1.900	264.030	0.991	2.809

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	14.8	29.64	44.46	59.29	Depth (Ft.)
0.083	1.25	0.01	0.004	O	|	|	|	|	0.01
0.167	2.40	0.05	0.017	OI	|	|	|	|	0.05
0.250	2.83	0.10	0.034	OI	|	|	|	|	0.11
0.333	3.06	0.15	0.054	OI	|	|	|	|	0.17
0.417	3.32	0.21	0.074	OI	|	|	|	|	0.24

0.500	3.81	0.27	0.097	O I	|	|	|	|	0.31
0.583	4.30	0.35	0.123	O I	|	|	|	|	0.40
0.667	6.83	0.45	0.159	O I	|	|	|	|	0.51
0.750	18.35	0.68	0.241	O	I	|	|	|	0.78
0.833	59.29	1.41	0.502	O	|	|	|	I|	1.55
0.917	36.02	2.09	0.818	|O	|	| I	|	|	2.39
1.000	**8.35**	**6.82**	**0.940**	**| OI**	**|**	**|**	**|**	**|**	**2.70**
1.083	1.22	5.01	0.932	I O	|	|	|	|	2.68
1.167	0.15	2.23	0.912	IO	|	|	|	|	2.63
1.250	0.00	2.21	0.897	IO	|	|	|	|	2.59
1.333	0.00	2.18	0.882	IO	|	|	|	|	2.55
1.417	0.00	2.16	0.867	IO	|	|	|	|	2.52
1.500	0.00	2.14	0.852	IO	|	|	|	|	2.48
1.583	0.00	2.12	0.837	IO	|	|	|	|	2.44
1.667	0.00	2.10	0.823	IO	|	|	|	|	2.41
1.750	0.00	2.08	0.809	IO	|	|	|	|	2.37
1.833	0.00	2.06	0.794	IO	|	|	|	|	2.34
1.917	0.00	2.04	0.780	IO	|	|	|	|	2.30
2.000	0.00	2.02	0.766	IO	|	|	|	|	2.27
2.083	0.00	2.00	0.752	IO	|	|	|	|	2.23
2.167	0.00	1.98	0.739	IO	|	|	|	|	2.20
2.250	0.00	1.96	0.725	IO	|	|	|	|	2.16
2.333	0.00	1.94	0.712	IO	|	|	|	|	2.13
2.417	0.00	1.92	0.699	IO	|	|	|	|	2.10
2.500	0.00	1.90	0.685	IO	|	|	|	|	2.06
2.583	0.00	1.88	0.672	IO	|	|	|	|	2.03
2.667	0.00	1.86	0.660	IO	|	|	|	|	2.00
2.750	0.00	1.82	0.647	O	|	|	|	|	1.96
2.833	0.00	1.79	0.634	O	|	|	|	|	1.93
2.917	0.00	1.75	0.622	O	|	|	|	|	1.89
3.000	0.00	1.72	0.610	O	|	|	|	|	1.86
3.083	0.00	1.69	0.599	O	|	|	|	|	1.82
3.167	0.00	1.65	0.587	O	|	|	|	|	1.79
3.250	0.00	1.62	0.576	O	|	|	|	|	1.76
3.333	0.00	1.59	0.565	O	|	|	|	|	1.73
3.417	0.00	1.56	0.554	O	|	|	|	|	1.70
3.500	0.00	1.53	0.543	O	|	|	|	|	1.67
3.583	0.00	1.50	0.533	O	|	|	|	|	1.64
3.667	0.00	1.47	0.523	O	|	|	|	|	1.61
3.750	0.00	1.44	0.513	O	|	|	|	|	1.58
3.833	0.00	1.42	0.503	O	|	|	|	|	1.55
3.917	0.00	1.39	0.493	O	|	|	|	|	1.52
4.000	0.00	1.36	0.484	O	|	|	|	|	1.50
4.083	0.00	1.33	0.474	O	|	|	|	|	1.47
4.167	0.00	1.31	0.465	O	|	|	|	|	1.44
4.250	0.00	1.28	0.456	O	|	|	|	|	1.42
4.333	0.00	1.26	0.448	O	|	|	|	|	1.39
4.417	0.00	1.23	0.439	O	|	|	|	|	1.37
4.500	0.00	1.21	0.431	O	|	|	|	|	1.34
4.583	0.00	1.19	0.422	O	|	|	|	|	1.32
4.667	0.00	1.16	0.414	O	|	|	|	|	1.30
4.750	0.00	1.14	0.406	O	|	|	|	|	1.27
4.833	0.00	1.12	0.398	O	|	|	|	|	1.25
4.917	0.00	1.10	0.391	O	|	|	|	|	1.23
5.000	0.00	1.08	0.383	O	|	|	|	|	1.21
5.083	0.00	1.06	0.376	O	|	|	|	|	1.19
5.167	0.00	1.04	0.369	O	|	|	|	|	1.17
5.250	0.00	1.02	0.362	O	|	|	|	|	1.15
5.333	0.00	1.00	0.355	O	|	|	|	|	1.13
5.417	0.00	0.98	0.348	O	|	|	|	|	1.11
5.500	0.00	0.96	0.341	O	|	|	|	|	1.09
5.583	0.00	0.94	0.335	O	|	|	|	|	1.07
5.667	0.00	0.92	0.328	O	|	|	|	|	1.05
5.750	0.00	0.90	0.322	O	|	|	|	|	1.03
5.833	0.00	0.89	0.316	O	|	|	|	|	1.02
5.917	0.00	0.87	0.310	O	|	|	|	|	1.00
6.000	0.00	0.85	0.304	O	|	|	|	|	0.98

6.083	0.00	0.84	0.298	O				0.96
6.167	0.00	0.82	0.292	O				0.94
6.250	0.00	0.80	0.287	O				0.93
6.333	0.00	0.79	0.281	O				0.91
6.417	0.00	0.77	0.276	O				0.89
6.500	0.00	0.76	0.271	O				0.87
6.583	0.00	0.74	0.265	O				0.86
6.667	0.00	0.73	0.260	O				0.84
6.750	0.00	0.72	0.255	O				0.82
6.833	0.00	0.70	0.250	O				0.81
6.917	0.00	0.69	0.246	O				0.79
7.000	0.00	0.68	0.241	O				0.78
7.083	0.00	0.66	0.236	O				0.76
7.167	0.00	0.65	0.232	O				0.75
7.250	0.00	0.64	0.227	O				0.73
7.333	0.00	0.63	0.223	O				0.72
7.417	0.00	0.61	0.219	O				0.71
7.500	0.00	0.60	0.215	O				0.69
7.583	0.00	0.59	0.210	O				0.68
7.667	0.00	0.58	0.206	O				0.67
7.750	0.00	0.57	0.203	O				0.65
7.833	0.00	0.56	0.199	O				0.64
7.917	0.00	0.55	0.195	O				0.63
8.000	0.00	0.54	0.191	O				0.62
8.083	0.00	0.53	0.187	O				0.60
8.167	0.00	0.52	0.184	O				0.59
8.250	0.00	0.51	0.180	O				0.58
8.333	0.00	0.50	0.177	O				0.57
8.417	0.00	0.49	0.173	O				0.56
8.500	0.00	0.48	0.170	O				0.55
8.583	0.00	0.47	0.167	O				0.54
8.667	0.00	0.46	0.164	O				0.53
8.750	0.00	0.45	0.161	O				0.52
8.833	0.00	0.44	0.158	O				0.51
8.917	0.00	0.43	0.154	O				0.50
9.000	0.00	0.43	0.152	O				0.49
9.083	0.00	0.42	0.149	O				0.48
9.167	0.00	0.41	0.146	O				0.47
9.250	0.00	0.40	0.143	O				0.46
9.333	0.00	0.39	0.140	O				0.45
9.417	0.00	0.39	0.138	O				0.44
9.500	0.00	0.38	0.135	O				0.44
9.583	0.00	0.37	0.132	O				0.43
9.667	0.00	0.36	0.130	O				0.42
9.750	0.00	0.36	0.127	O				0.41
9.833	0.00	0.35	0.125	O				0.40
9.917	0.00	0.34	0.123	O				0.40
10.000	0.00	0.34	0.120	O				0.39
10.083	0.00	0.33	0.118	O				0.38
10.167	0.00	0.32	0.116	O				0.37
10.250	0.00	0.32	0.113	O				0.37
10.333	0.00	0.31	0.111	O				0.36
10.417	0.00	0.31	0.109	O				0.35
10.500	0.00	0.30	0.107	O				0.35
10.583	0.00	0.29	0.105	O				0.34
10.667	0.00	0.29	0.103	O				0.33
10.750	0.00	0.28	0.101	O				0.33
10.833	0.00	0.28	0.099	O				0.32
10.917	0.00	0.27	0.097	O				0.31
11.000	0.00	0.27	0.095	O				0.31
11.083	0.00	0.26	0.093	O				0.30
11.167	0.00	0.26	0.092	O				0.30
11.250	0.00	0.25	0.090	O				0.29
11.333	0.00	0.25	0.088	O				0.28
11.417	0.00	0.24	0.087	O				0.28
11.500	0.00	0.24	0.085	O				0.27
11.583	0.00	0.23	0.083	O				0.27

11.667	0.00	0.23	0.082	O	|	|	|	|	0.26
11.750	0.00	0.22	0.080	O	|	|	|	|	0.26
11.833	0.00	0.22	0.079	O	|	|	|	|	0.25
11.917	0.00	0.22	0.077	O	|	|	|	|	0.25
12.000	0.00	0.21	0.076	O	|	|	|	|	0.24
12.083	0.00	0.21	0.074	O	|	|	|	|	0.24
12.167	0.00	0.20	0.073	O	|	|	|	|	0.23
12.250	0.00	0.20	0.071	O	|	|	|	|	0.23
12.333	0.00	0.20	0.070	O	|	|	|	|	0.23
12.417	0.00	0.19	0.069	O	|	|	|	|	0.22
12.500	0.00	0.19	0.067	O	|	|	|	|	0.22
12.583	0.00	0.19	0.066	O	|	|	|	|	0.21
12.667	0.00	0.18	0.065	O	|	|	|	|	0.21
12.750	0.00	0.18	0.064	O	|	|	|	|	0.20
12.833	0.00	0.17	0.062	O	|	|	|	|	0.20
12.917	0.00	0.17	0.061	O	|	|	|	|	0.20
13.000	0.00	0.17	0.060	O	|	|	|	|	0.19
13.083	0.00	0.16	0.059	O	|	|	|	|	0.19
13.167	0.00	0.16	0.058	O	|	|	|	|	0.19
13.250	0.00	0.16	0.057	O	|	|	|	|	0.18
13.333	0.00	0.16	0.055	O	|	|	|	|	0.18
13.417	0.00	0.15	0.054	O	|	|	|	|	0.18
13.500	0.00	0.15	0.053	O	|	|	|	|	0.17
13.583	0.00	0.15	0.052	O	|	|	|	|	0.17
13.667	0.00	0.14	0.051	O	|	|	|	|	0.17
13.750	0.00	0.14	0.050	O	|	|	|	|	0.16
13.833	0.00	0.14	0.049	O	|	|	|	|	0.16
13.917	0.00	0.14	0.048	O	|	|	|	|	0.16
14.000	0.00	0.13	0.048	O	|	|	|	|	0.15
14.083	0.00	0.13	0.047	O	|	|	|	|	0.15
14.167	0.00	0.13	0.046	O	|	|	|	|	0.15
14.250	0.00	0.13	0.045	O	|	|	|	|	0.14
14.333	0.00	0.12	0.044	O	|	|	|	|	0.14
14.417	0.00	0.12	0.043	O	|	|	|	|	0.14
14.500	0.00	0.12	0.042	O	|	|	|	|	0.14
14.583	0.00	0.12	0.042	O	|	|	|	|	0.13
14.667	0.00	0.11	0.041	O	|	|	|	|	0.13
14.750	0.00	0.11	0.040	O	|	|	|	|	0.13
14.833	0.00	0.11	0.039	O	|	|	|	|	0.13
14.917	0.00	0.11	0.038	O	|	|	|	|	0.12
15.000	0.00	0.11	0.038	O	|	|	|	|	0.12
15.083	0.00	0.10	0.037	O	|	|	|	|	0.12
15.167	0.00	0.10	0.036	O	|	|	|	|	0.12
15.250	0.00	0.10	0.036	O	|	|	|	|	0.11
15.333	0.00	0.10	0.035	O	|	|	|	|	0.11
15.417	0.00	0.10	0.034	O	|	|	|	|	0.11
15.500	0.00	0.09	0.034	O	|	|	|	|	0.11
15.583	0.00	0.09	0.033	O	|	|	|	|	0.11
15.667	0.00	0.09	0.032	O	|	|	|	|	0.10
15.750	0.00	0.09	0.032	O	|	|	|	|	0.10
15.833	0.00	0.09	0.031	O	|	|	|	|	0.10
15.917	0.00	0.09	0.030	O	|	|	|	|	0.10
16.000	0.00	0.08	0.030	O	|	|	|	|	0.10
16.083	0.00	0.08	0.029	O	|	|	|	|	0.09
16.167	0.00	0.08	0.029	O	|	|	|	|	0.09
16.250	0.00	0.08	0.028	O	|	|	|	|	0.09
16.333	0.00	0.08	0.028	O	|	|	|	|	0.09
16.417	0.00	0.08	0.027	O	|	|	|	|	0.09
16.500	0.00	0.07	0.027	O	|	|	|	|	0.09
16.583	0.00	0.07	0.026	O	|	|	|	|	0.08
16.667	0.00	0.07	0.026	O	|	|	|	|	0.08
16.750	0.00	0.07	0.025	O	|	|	|	|	0.08
16.833	0.00	0.07	0.025	O	|	|	|	|	0.08
16.917	0.00	0.07	0.024	O	|	|	|	|	0.08
17.000	0.00	0.07	0.024	O	|	|	|	|	0.08
17.083	0.00	0.07	0.023	O	|	|	|	|	0.07
17.167	0.00	0.06	0.023	O	|	|	|	|	0.07

17.250	0.00	0.06	0.022	O	|	|	|	|	0.07
17.333	0.00	0.06	0.022	O	|	|	|	|	0.07
17.417	0.00	0.06	0.022	O	|	|	|	|	0.07
17.500	0.00	0.06	0.021	O	|	|	|	|	0.07
17.583	0.00	0.06	0.021	O	|	|	|	|	0.07
17.667	0.00	0.06	0.020	O	|	|	|	|	0.07
17.750	0.00	0.06	0.020	O	|	|	|	|	0.06
17.833	0.00	0.05	0.020	O	|	|	|	|	0.06
17.917	0.00	0.05	0.019	O	|	|	|	|	0.06
18.000	0.00	0.05	0.019	O	|	|	|	|	0.06
18.083	0.00	0.05	0.018	O	|	|	|	|	0.06
18.167	0.00	0.05	0.018	O	|	|	|	|	0.06
18.250	0.00	0.05	0.018	O	|	|	|	|	0.06
18.333	0.00	0.05	0.017	O	|	|	|	|	0.06
18.417	0.00	0.05	0.017	O	|	|	|	|	0.06
18.500	0.00	0.05	0.017	O	|	|	|	|	0.05
18.583	0.00	0.05	0.016	O	|	|	|	|	0.05
18.667	0.00	0.05	0.016	O	|	|	|	|	0.05
18.750	0.00	0.04	0.016	O	|	|	|	|	0.05
18.833	0.00	0.04	0.015	O	|	|	|	|	0.05
18.917	0.00	0.04	0.015	O	|	|	|	|	0.05
19.000	0.00	0.04	0.015	O	|	|	|	|	0.05
19.083	0.00	0.04	0.015	O	|	|	|	|	0.05
19.167	0.00	0.04	0.014	O	|	|	|	|	0.05
19.250	0.00	0.04	0.014	O	|	|	|	|	0.05
19.333	0.00	0.04	0.014	O	|	|	|	|	0.04
19.417	0.00	0.04	0.014	O	|	|	|	|	0.04
19.500	0.00	0.04	0.013	O	|	|	|	|	0.04
19.583	0.00	0.04	0.013	O	|	|	|	|	0.04
19.667	0.00	0.04	0.013	O	|	|	|	|	0.04
19.750	0.00	0.04	0.013	O	|	|	|	|	0.04
19.833	0.00	0.03	0.012	O	|	|	|	|	0.04
19.917	0.00	0.03	0.012	O	|	|	|	|	0.04
20.000	0.00	0.03	0.012	O	|	|	|	|	0.04
20.083	0.00	0.03	0.012	O	|	|	|	|	0.04
20.167	0.00	0.03	0.011	O	|	|	|	|	0.04
20.250	0.00	0.03	0.011	O	|	|	|	|	0.04
20.333	0.00	0.03	0.011	O	|	|	|	|	0.04
20.417	0.00	0.03	0.011	O	|	|	|	|	0.03
20.500	0.00	0.03	0.011	O	|	|	|	|	0.03
20.583	0.00	0.03	0.010	O	|	|	|	|	0.03
20.667	0.00	0.03	0.010	O	|	|	|	|	0.03
20.750	0.00	0.03	0.010	O	|	|	|	|	0.03
20.833	0.00	0.03	0.010	O	|	|	|	|	0.03
20.917	0.00	0.03	0.010	O	|	|	|	|	0.03
21.000	0.00	0.03	0.009	O	|	|	|	|	0.03
21.083	0.00	0.03	0.009	O	|	|	|	|	0.03
21.167	0.00	0.03	0.009	O	|	|	|	|	0.03
21.250	0.00	0.02	0.009	O	|	|	|	|	0.03
21.333	0.00	0.02	0.009	O	|	|	|	|	0.03
21.417	0.00	0.02	0.009	O	|	|	|	|	0.03
21.500	0.00	0.02	0.008	O	|	|	|	|	0.03
21.583	0.00	0.02	0.008	O	|	|	|	|	0.03
21.667	0.00	0.02	0.008	O	|	|	|	|	0.03
21.750	0.00	0.02	0.008	O	|	|	|	|	0.03
21.833	0.00	0.02	0.008	O	|	|	|	|	0.02
21.917	0.00	0.02	0.008	O	|	|	|	|	0.02
22.000	0.00	0.02	0.007	O	|	|	|	|	0.02
22.083	0.00	0.02	0.007	O	|	|	|	|	0.02
22.167	0.00	0.02	0.007	O	|	|	|	|	0.02
22.250	0.00	0.02	0.007	O	|	|	|	|	0.02
22.333	0.00	0.02	0.007	O	|	|	|	|	0.02
22.417	0.00	0.02	0.007	O	|	|	|	|	0.02
22.500	0.00	0.02	0.007	O	|	|	|	|	0.02
22.583	0.00	0.02	0.006	O	|	|	|	|	0.02
22.667	0.00	0.02	0.006	O	|	|	|	|	0.02
22.750	0.00	0.02	0.006	O	|	|	|	|	0.02

22.833	0.00	0.02	0.006	O	|	|	|	|	0.02
22.917	0.00	0.02	0.006	O	|	|	|	|	0.02
23.000	0.00	0.02	0.006	O	|	|	|	|	0.02
23.083	0.00	0.02	0.006	O	|	|	|	|	0.02
23.167	0.00	0.02	0.006	O	|	|	|	|	0.02
23.250	0.00	0.02	0.006	O	|	|	|	|	0.02
23.333	0.00	0.02	0.005	O	|	|	|	|	0.02
23.417	0.00	0.02	0.005	O	|	|	|	|	0.02
23.500	0.00	0.01	0.005	O	|	|	|	|	0.02
23.583	0.00	0.01	0.005	O	|	|	|	|	0.02
23.667	0.00	0.01	0.005	O	|	|	|	|	0.02
23.750	0.00	0.01	0.005	O	|	|	|	|	0.02
23.833	0.00	0.01	0.005	O	|	|	|	|	0.02
23.917	0.00	0.01	0.005	O	|	|	|	|	0.02
24.000	0.00	0.01	0.005	O	|	|	|	|	0.02
24.083	0.00	0.01	0.005	O	|	|	|	|	0.01
24.167	0.00	0.01	0.004	O	|	|	|	|	0.01
24.250	0.00	0.01	0.004	O	|	|	|	|	0.01
24.333	0.00	0.01	0.004	O	|	|	|	|	0.01
24.417	0.00	0.01	0.004	O	|	|	|	|	0.01
24.500	0.00	0.01	0.004	O	|	|	|	|	0.01
24.583	0.00	0.01	0.004	O	|	|	|	|	0.01
24.667	0.00	0.01	0.004	O	|	|	|	|	0.01
24.750	0.00	0.01	0.004	O	|	|	|	|	0.01
24.833	0.00	0.01	0.004	O	|	|	|	|	0.01
24.917	0.00	0.01	0.004	O	|	|	|	|	0.01
25.000	0.00	0.01	0.004	O	|	|	|	|	0.01
25.083	0.00	0.01	0.004	O	|	|	|	|	0.01
25.167	0.00	0.01	0.004	O	|	|	|	|	0.01
25.250	0.00	0.01	0.003	O	|	|	|	|	0.01
25.333	0.00	0.01	0.003	O	|	|	|	|	0.01
25.417	0.00	0.01	0.003	O	|	|	|	|	0.01
25.500	0.00	0.01	0.003	O	|	|	|	|	0.01
25.583	0.00	0.01	0.003	O	|	|	|	|	0.01
25.667	0.00	0.01	0.003	O	|	|	|	|	0.01
25.750	0.00	0.01	0.003	O	|	|	|	|	0.01
25.833	0.00	0.01	0.003	O	|	|	|	|	0.01
25.917	0.00	0.01	0.003	O	|	|	|	|	0.01
26.000	0.00	0.01	0.003	O	|	|	|	|	0.01
26.083	0.00	0.01	0.003	O	|	|	|	|	0.01
26.167	0.00	0.01	0.003	O	|	|	|	|	0.01
26.250	0.00	0.01	0.003	O	|	|	|	|	0.01
26.333	0.00	0.01	0.003	O	|	|	|	|	0.01
26.417	0.00	0.01	0.003	O	|	|	|	|	0.01
26.500	0.00	0.01	0.003	O	|	|	|	|	0.01
26.583	0.00	0.01	0.003	O	|	|	|	|	0.01
26.667	0.00	0.01	0.003	O	|	|	|	|	0.01
26.750	0.00	0.01	0.002	O	|	|	|	|	0.01
26.833	0.00	0.01	0.002	O	|	|	|	|	0.01
26.917	0.00	0.01	0.002	O	|	|	|	|	0.01
27.000	0.00	0.01	0.002	O	|	|	|	|	0.01
27.083	0.00	0.01	0.002	O	|	|	|	|	0.01
27.167	0.00	0.01	0.002	O	|	|	|	|	0.01
27.250	0.00	0.01	0.002	O	|	|	|	|	0.01
27.333	0.00	0.01	0.002	O	|	|	|	|	0.01
27.417	0.00	0.01	0.002	O	|	|	|	|	0.01
27.500	0.00	0.01	0.002	O	|	|	|	|	0.01
27.583	0.00	0.01	0.002	O	|	|	|	|	0.01
27.667	0.00	0.01	0.002	O	|	|	|	|	0.01
27.750	0.00	0.01	0.002	O	|	|	|	|	0.01
27.833	0.00	0.01	0.002	O	|	|	|	|	0.01
27.917	0.00	0.01	0.002	O	|	|	|	|	0.01
28.000	0.00	0.01	0.002	O	|	|	|	|	0.01
28.083	0.00	0.01	0.002	O	|	|	|	|	0.01
28.167	0.00	0.00	0.002	O	|	|	|	|	0.01
28.250	0.00	0.00	0.002	O	|	|	|	|	0.01
28.333	0.00	0.00	0.002	O	|	|	|	|	0.01

28.417	0.00	0.00	0.002	O	|	|	|	|	0.01
28.500	0.00	0.00	0.002	O	|	|	|	|	0.01
28.583	0.00	0.00	0.002	O	|	|	|	|	0.01
28.667	0.00	0.00	0.002	O	|	|	|	|	0.01
28.750	0.00	0.00	0.002	O	|	|	|	|	0.01
28.833	0.00	0.00	0.002	O	|	|	|	|	0.00
28.917	0.00	0.00	0.001	O	|	|	|	|	0.00
29.000	0.00	0.00	0.001	O	|	|	|	|	0.00
29.083	0.00	0.00	0.001	O	|	|	|	|	0.00
29.167	0.00	0.00	0.001	O	|	|	|	|	0.00
29.250	0.00	0.00	0.001	O	|	|	|	|	0.00
29.333	0.00	0.00	0.001	O	|	|	|	|	0.00
29.417	0.00	0.00	0.001	O	|	|	|	|	0.00
29.500	0.00	0.00	0.001	O	|	|	|	|	0.00
29.583	0.00	0.00	0.001	O	|	|	|	|	0.00
29.667	0.00	0.00	0.001	O	|	|	|	|	0.00
29.750	0.00	0.00	0.001	O	|	|	|	|	0.00
29.833	0.00	0.00	0.001	O	|	|	|	|	0.00
29.917	0.00	0.00	0.001	O	|	|	|	|	0.00
30.000	0.00	0.00	0.001	O	|	|	|	|	0.00
30.083	0.00	0.00	0.001	O	|	|	|	|	0.00
30.167	0.00	0.00	0.001	O	|	|	|	|	0.00
30.250	0.00	0.00	0.001	O	|	|	|	|	0.00
30.333	0.00	0.00	0.001	O	|	|	|	|	0.00
30.417	0.00	0.00	0.001	O	|	|	|	|	0.00
30.500	0.00	0.00	0.001	O	|	|	|	|	0.00
30.583	0.00	0.00	0.001	O	|	|	|	|	0.00
30.667	0.00	0.00	0.001	O	|	|	|	|	0.00
30.750	0.00	0.00	0.001	O	|	|	|	|	0.00
30.833	0.00	0.00	0.001	O	|	|	|	|	0.00
30.917	0.00	0.00	0.001	O	|	|	|	|	0.00
31.000	0.00	0.00	0.001	O	|	|	|	|	0.00
31.083	0.00	0.00	0.001	O	|	|	|	|	0.00
31.167	0.00	0.00	0.001	O	|	|	|	|	0.00
31.250	0.00	0.00	0.001	O	|	|	|	|	0.00
31.333	0.00	0.00	0.001	O	|	|	|	|	0.00
31.417	0.00	0.00	0.001	O	|	|	|	|	0.00
31.500	0.00	0.00	0.001	O	|	|	|	|	0.00
31.583	0.00	0.00	0.001	O	|	|	|	|	0.00
31.667	0.00	0.00	0.001	O	|	|	|	|	0.00
31.750	0.00	0.00	0.001	O	|	|	|	|	0.00
31.833	0.00	0.00	0.001	O	|	|	|	|	0.00
31.917	0.00	0.00	0.001	O	|	|	|	|	0.00
32.000	0.00	0.00	0.001	O	|	|	|	|	0.00
32.083	0.00	0.00	0.001	O	|	|	|	|	0.00
32.167	0.00	0.00	0.001	O	|	|	|	|	0.00
32.250	0.00	0.00	0.001	O	|	|	|	|	0.00
32.333	0.00	0.00	0.001	O	|	|	|	|	0.00
32.417	0.00	0.00	0.001	O	|	|	|	|	0.00
32.500	0.00	0.00	0.001	O	|	|	|	|	0.00
32.583	0.00	0.00	0.001	O	|	|	|	|	0.00
32.667	0.00	0.00	0.001	O	|	|	|	|	0.00
32.750	0.00	0.00	0.001	O	|	|	|	|	0.00
32.833	0.00	0.00	0.001	O	|	|	|	|	0.00
32.917	0.00	0.00	0.001	O	|	|	|	|	0.00
33.000	0.00	0.00	0.001	O	|	|	|	|	0.00
33.083	0.00	0.00	0.001	O	|	|	|	|	0.00
33.167	0.00	0.00	0.001	O	|	|	|	|	0.00
33.250	0.00	0.00	0.001	O	|	|	|	|	0.00
33.333	0.00	0.00	0.001	O	|	|	|	|	0.00
33.417	0.00	0.00	0.001	O	|	|	|	|	0.00
33.500	0.00	0.00	0.001	O	|	|	|	|	0.00
33.583	0.00	0.00	0.001	O	|	|	|	|	0.00
33.667	0.00	0.00	0.000	O	|	|	|	|	0.00
33.750	0.00	0.00	0.000	O	|	|	|	|	0.00
33.833	0.00	0.00	0.000	O	|	|	|	|	0.00
33.917	0.00	0.00	0.000	O	|	|	|	|	0.00

34.000	0.00	0.00	0.000	O	|	|	|	|	0.00
34.083	0.00	0.00	0.000	O	|	|	|	|	0.00
34.167	0.00	0.00	0.000	O	|	|	|	|	0.00
34.250	0.00	0.00	0.000	O	|	|	|	|	0.00
34.333	0.00	0.00	0.000	O	|	|	|	|	0.00
34.417	0.00	0.00	0.000	O	|	|	|	|	0.00
34.500	0.00	0.00	0.000	O	|	|	|	|	0.00
34.583	0.00	0.00	0.000	O	|	|	|	|	0.00
34.667	0.00	0.00	0.000	O	|	|	|	|	0.00
34.750	0.00	0.00	0.000	O	|	|	|	|	0.00
34.833	0.00	0.00	0.000	O	|	|	|	|	0.00
34.917	0.00	0.00	0.000	O	|	|	|	|	0.00
35.000	0.00	0.00	0.000	O	|	|	|	|	0.00
35.083	0.00	0.00	0.000	O	|	|	|	|	0.00
35.167	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 422
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 6.818 (CFS)
Total volume = 1.041 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/27/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRA32.rte
**********HYDROGRAPH DATA**********
Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 31.811 (CFS)
Total volume = 1.447 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN A- ROUTING
2YR-3HR STORM

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.870	0.307	0.313
2.000	0.660	1.860	0.654	0.666
2.650	0.920	2.240	0.912	0.928
3.000	1.070	36.900	0.943	1.197
3.500	1.300	133.130	0.842	1.758
4.000	1.900	264.030	0.991	2.809

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 8.0 15.91 23.86 31.81	Depth (Ft.)
0.083	0.99	0.01	0.003	O | | | |	0.01
0.167	1.62	0.03	0.012	OI | | | |	0.04
0.250	1.57	0.06	0.023	OI | | | |	0.07
0.333	1.78	0.09	0.034	OI | | | |	0.11
0.417	1.96	0.13	0.046	OI | | | |	0.15

0.500	2.22	0.17	0.059	O I	|	|	|	|	0.19
0.583	2.14	0.20	0.073	O I	|	|	|	|	0.24
0.667	2.24	0.24	0.087	O I	|	|	|	|	0.28
0.750	2.36	0.28	0.101	O I	|	|	|	|	0.32
0.833	2.16	0.32	0.114	O I	|	|	|	|	0.37
0.917	2.09	0.35	0.126	O I	|	|	|	|	0.41
1.000	2.27	0.39	0.139	O I	|	|	|	|	0.45
1.083	2.68	0.43	0.153	O I	|	|	|	|	0.49
1.167	2.89	0.47	0.169	O I	|	|	|	|	0.55
1.250	2.92	0.52	0.186	O I	|	|	|	|	0.60
1.333	2.77	0.57	0.202	O I	|	|	|	|	0.65
1.417	3.12	0.61	0.218	O I	|	|	|	|	0.70
1.500	3.48	0.66	0.236	O I	|	|	|	|	0.76
1.583	3.35	0.72	0.255	O I	|	|	|	|	0.82
1.667	3.44	0.77	0.273	O I	|	|	|	|	0.88
1.750	4.01	0.82	0.293	O I	|	|	|	|	0.95
1.833	4.18	0.89	0.316	O I	|	|	|	|	1.02
1.917	3.98	0.95	0.337	O I	|	|	|	|	1.08
2.000	3.94	1.01	0.358	|O I	|	|	|	|	1.14
2.083	4.05	1.06	0.378	|O I	|	|	|	|	1.20
2.167	5.90	1.14	0.405	|O I	|	|	|	|	1.27
2.250	10.19	1.27	0.452	|O |	I |	|	|	|	1.41
2.333	7.78	1.42	0.505	|O I|	|	|	|	|	1.56
2.417	16.79	1.63	0.579	|O |	| I |	|	|	1.77
2.500	25.80	1.94	0.713	|O |	|	|	|I |	|	2.13
2.583	31.81	2.21	0.897	| O |	|	|	| I|	2.59
2.667	**25.29**	**22.65**	**1.008**	**|**	**|**	**|**	**O |I**	**|**	**2.86**
2.750	10.56	18.46	0.990	|	| I |	O |	|	|	2.81
2.833	3.47	8.32	0.946	| I	O |	|	|	|	2.71
2.917	2.40	3.55	0.926	| IO	|	|	|	|	2.66
3.000	1.48	2.24	0.919	|IO	|	|	|	|	2.65
3.083	0.44	2.23	0.910	I O	|	|	|	|	2.63
3.167	0.05	2.21	0.897	I O	|	|	|	|	2.59
3.250	0.00	2.18	0.882	I O	|	|	|	|	2.55
3.333	0.00	2.16	0.867	I O	|	|	|	|	2.52
3.417	0.00	2.14	0.852	I O	|	|	|	|	2.48
3.500	0.00	2.12	0.837	I O	|	|	|	|	2.44
3.583	0.00	2.10	0.823	I O	|	|	|	|	2.41
3.667	0.00	2.08	0.808	I O	|	|	|	|	2.37
3.750	0.00	2.06	0.794	I O	|	|	|	|	2.34
3.833	0.00	2.04	0.780	I O	|	|	|	|	2.30
3.917	0.00	2.02	0.766	I O	|	|	|	|	2.27
4.000	0.00	1.99	0.752	I O	|	|	|	|	2.23
4.083	0.00	1.97	0.739	IO	|	|	|	|	2.20
4.167	0.00	1.96	0.725	IO	|	|	|	|	2.16
4.250	0.00	1.94	0.712	IO	|	|	|	|	2.13
4.333	0.00	1.92	0.698	IO	|	|	|	|	2.10
4.417	0.00	1.90	0.685	IO	|	|	|	|	2.06
4.500	0.00	1.88	0.672	IO	|	|	|	|	2.03
4.583	0.00	1.86	0.659	IO	|	|	|	|	2.00
4.667	0.00	1.82	0.647	IO	|	|	|	|	1.96
4.750	0.00	1.79	0.634	IO	|	|	|	|	1.93
4.833	0.00	1.75	0.622	IO	|	|	|	|	1.89
4.917	0.00	1.72	0.610	IO	|	|	|	|	1.86
5.000	0.00	1.69	0.599	IO	|	|	|	|	1.82
5.083	0.00	1.65	0.587	IO	|	|	|	|	1.79
5.167	0.00	1.62	0.576	IO	|	|	|	|	1.76
5.250	0.00	1.59	0.565	IO	|	|	|	|	1.73
5.333	0.00	1.56	0.554	IO	|	|	|	|	1.70
5.417	0.00	1.53	0.543	IO	|	|	|	|	1.67
5.500	0.00	1.50	0.533	IO	|	|	|	|	1.64
5.583	0.00	1.47	0.523	IO	|	|	|	|	1.61
5.667	0.00	1.44	0.512	IO	|	|	|	|	1.58
5.750	0.00	1.41	0.503	IO	|	|	|	|	1.55
5.833	0.00	1.39	0.493	IO	|	|	|	|	1.52
5.917	0.00	1.36	0.484	IO	|	|	|	|	1.50
6.000	0.00	1.33	0.474	IO	|	|	|	|	1.47

6.083	0.00	1.31	0.465	IO	|	|	|	1.44
6.167	0.00	1.28	0.456	IO	|	|	|	1.42
6.250	0.00	1.26	0.447	IO	|	|	|	1.39
6.333	0.00	1.23	0.439	IO	|	|	|	1.37
6.417	0.00	1.21	0.430	IO	|	|	|	1.34
6.500	0.00	1.19	0.422	IO	|	|	|	1.32
6.583	0.00	1.16	0.414	IO	|	|	|	1.30
6.667	0.00	1.14	0.406	IO	|	|	|	1.27
6.750	0.00	1.12	0.398	IO	|	|	|	1.25
6.833	0.00	1.10	0.391	IO	|	|	|	1.23
6.917	0.00	1.08	0.383	IO	|	|	|	1.21
7.000	0.00	1.06	0.376	IO	|	|	|	1.19
7.083	0.00	1.04	0.369	IO	|	|	|	1.17
7.167	0.00	1.02	0.362	IO	|	|	|	1.15
7.250	0.00	1.00	0.355	IO	|	|	|	1.13
7.333	0.00	0.98	0.348	O	|	|	|	1.11
7.417	0.00	0.96	0.341	O	|	|	|	1.09
7.500	0.00	0.94	0.335	O	|	|	|	1.07
7.583	0.00	0.92	0.328	O	|	|	|	1.05
7.667	0.00	0.90	0.322	O	|	|	|	1.03
7.750	0.00	0.89	0.316	O	|	|	|	1.02
7.833	0.00	0.87	0.310	O	|	|	|	1.00
7.917	0.00	0.85	0.304	O	|	|	|	0.98
8.000	0.00	0.84	0.298	O	|	|	|	0.96
8.083	0.00	0.82	0.292	O	|	|	|	0.94
8.167	0.00	0.80	0.287	O	|	|	|	0.92
8.250	0.00	0.79	0.281	O	|	|	|	0.91
8.333	0.00	0.77	0.276	O	|	|	|	0.89
8.417	0.00	0.76	0.271	O	|	|	|	0.87
8.500	0.00	0.74	0.265	O	|	|	|	0.86
8.583	0.00	0.73	0.260	O	|	|	|	0.84
8.667	0.00	0.72	0.255	O	|	|	|	0.82
8.750	0.00	0.70	0.250	O	|	|	|	0.81
8.833	0.00	0.69	0.246	O	|	|	|	0.79
8.917	0.00	0.68	0.241	O	|	|	|	0.78
9.000	0.00	0.66	0.236	O	|	|	|	0.76
9.083	0.00	0.65	0.232	O	|	|	|	0.75
9.167	0.00	0.64	0.227	O	|	|	|	0.73
9.250	0.00	0.63	0.223	O	|	|	|	0.72
9.333	0.00	0.61	0.219	O	|	|	|	0.71
9.417	0.00	0.60	0.215	O	|	|	|	0.69
9.500	0.00	0.59	0.210	O	|	|	|	0.68
9.583	0.00	0.58	0.206	O	|	|	|	0.67
9.667	0.00	0.57	0.202	O	|	|	|	0.65
9.750	0.00	0.56	0.199	O	|	|	|	0.64
9.833	0.00	0.55	0.195	O	|	|	|	0.63
9.917	0.00	0.54	0.191	O	|	|	|	0.62
10.000	0.00	0.53	0.187	O	|	|	|	0.60
10.083	0.00	0.52	0.184	O	|	|	|	0.59
10.167	0.00	0.51	0.180	O	|	|	|	0.58
10.250	0.00	0.50	0.177	O	|	|	|	0.57
10.333	0.00	0.49	0.173	O	|	|	|	0.56
10.417	0.00	0.48	0.170	O	|	|	|	0.55
10.500	0.00	0.47	0.167	O	|	|	|	0.54
10.583	0.00	0.46	0.164	O	|	|	|	0.53
10.667	0.00	0.45	0.161	O	|	|	|	0.52
10.750	0.00	0.44	0.157	O	|	|	|	0.51
10.833	0.00	0.43	0.154	O	|	|	|	0.50
10.917	0.00	0.43	0.152	O	|	|	|	0.49
11.000	0.00	0.42	0.149	O	|	|	|	0.48
11.083	0.00	0.41	0.146	O	|	|	|	0.47
11.167	0.00	0.40	0.143	O	|	|	|	0.46
11.250	0.00	0.39	0.140	O	|	|	|	0.45
11.333	0.00	0.39	0.138	O	|	|	|	0.44
11.417	0.00	0.38	0.135	O	|	|	|	0.44
11.500	0.00	0.37	0.132	O	|	|	|	0.43
11.583	0.00	0.36	0.130	O	|	|	|	0.42

11.667	0.00	0.36	0.127	O	|	|	|	|	0.41
11.750	0.00	0.35	0.125	O	|	|	|	|	0.40
11.833	0.00	0.34	0.122	O	|	|	|	|	0.40
11.917	0.00	0.34	0.120	O	|	|	|	|	0.39
12.000	0.00	0.33	0.118	O	|	|	|	|	0.38
12.083	0.00	0.32	0.116	O	|	|	|	|	0.37
12.167	0.00	0.32	0.113	O	|	|	|	|	0.37
12.250	0.00	0.31	0.111	O	|	|	|	|	0.36
12.333	0.00	0.31	0.109	O	|	|	|	|	0.35
12.417	0.00	0.30	0.107	O	|	|	|	|	0.35
12.500	0.00	0.29	0.105	O	|	|	|	|	0.34
12.583	0.00	0.29	0.103	O	|	|	|	|	0.33
12.667	0.00	0.28	0.101	O	|	|	|	|	0.33
12.750	0.00	0.28	0.099	O	|	|	|	|	0.32
12.833	0.00	0.27	0.097	O	|	|	|	|	0.31
12.917	0.00	0.27	0.095	O	|	|	|	|	0.31
13.000	0.00	0.26	0.093	O	|	|	|	|	0.30
13.083	0.00	0.26	0.092	O	|	|	|	|	0.30
13.167	0.00	0.25	0.090	O	|	|	|	|	0.29
13.250	0.00	0.25	0.088	O	|	|	|	|	0.28
13.333	0.00	0.24	0.087	O	|	|	|	|	0.28
13.417	0.00	0.24	0.085	O	|	|	|	|	0.27
13.500	0.00	0.23	0.083	O	|	|	|	|	0.27
13.583	0.00	0.23	0.082	O	|	|	|	|	0.26
13.667	0.00	0.22	0.080	O	|	|	|	|	0.26
13.750	0.00	0.22	0.079	O	|	|	|	|	0.25
13.833	0.00	0.22	0.077	O	|	|	|	|	0.25
13.917	0.00	0.21	0.076	O	|	|	|	|	0.24
14.000	0.00	0.21	0.074	O	|	|	|	|	0.24
14.083	0.00	0.20	0.073	O	|	|	|	|	0.23
14.167	0.00	0.20	0.071	O	|	|	|	|	0.23
14.250	0.00	0.20	0.070	O	|	|	|	|	0.23
14.333	0.00	0.19	0.069	O	|	|	|	|	0.22
14.417	0.00	0.19	0.067	O	|	|	|	|	0.22
14.500	0.00	0.19	0.066	O	|	|	|	|	0.21
14.583	0.00	0.18	0.065	O	|	|	|	|	0.21
14.667	0.00	0.18	0.063	O	|	|	|	|	0.20
14.750	0.00	0.17	0.062	O	|	|	|	|	0.20
14.833	0.00	0.17	0.061	O	|	|	|	|	0.20
14.917	0.00	0.17	0.060	O	|	|	|	|	0.19
15.000	0.00	0.16	0.059	O	|	|	|	|	0.19
15.083	0.00	0.16	0.058	O	|	|	|	|	0.19
15.167	0.00	0.16	0.057	O	|	|	|	|	0.18
15.250	0.00	0.16	0.055	O	|	|	|	|	0.18
15.333	0.00	0.15	0.054	O	|	|	|	|	0.18
15.417	0.00	0.15	0.053	O	|	|	|	|	0.17
15.500	0.00	0.15	0.052	O	|	|	|	|	0.17
15.583	0.00	0.14	0.051	O	|	|	|	|	0.17
15.667	0.00	0.14	0.050	O	|	|	|	|	0.16
15.750	0.00	0.14	0.049	O	|	|	|	|	0.16
15.833	0.00	0.14	0.048	O	|	|	|	|	0.16
15.917	0.00	0.13	0.048	O	|	|	|	|	0.15
16.000	0.00	0.13	0.047	O	|	|	|	|	0.15
16.083	0.00	0.13	0.046	O	|	|	|	|	0.15
16.167	0.00	0.13	0.045	O	|	|	|	|	0.14
16.250	0.00	0.12	0.044	O	|	|	|	|	0.14
16.333	0.00	0.12	0.043	O	|	|	|	|	0.14
16.417	0.00	0.12	0.042	O	|	|	|	|	0.14
16.500	0.00	0.12	0.041	O	|	|	|	|	0.13
16.583	0.00	0.11	0.041	O	|	|	|	|	0.13
16.667	0.00	0.11	0.040	O	|	|	|	|	0.13
16.750	0.00	0.11	0.039	O	|	|	|	|	0.13
16.833	0.00	0.11	0.038	O	|	|	|	|	0.12
16.917	0.00	0.11	0.038	O	|	|	|	|	0.12
17.000	0.00	0.10	0.037	O	|	|	|	|	0.12
17.083	0.00	0.10	0.036	O	|	|	|	|	0.12
17.167	0.00	0.10	0.036	O	|	|	|	|	0.11

17.250	0.00	0.10	0.035	O	|	|	|	|	0.11
17.333	0.00	0.10	0.034	O	|	|	|	|	0.11
17.417	0.00	0.09	0.034	O	|	|	|	|	0.11
17.500	0.00	0.09	0.033	O	|	|	|	|	0.11
17.583	0.00	0.09	0.032	O	|	|	|	|	0.10
17.667	0.00	0.09	0.032	O	|	|	|	|	0.10
17.750	0.00	0.09	0.031	O	|	|	|	|	0.10
17.833	0.00	0.09	0.030	O	|	|	|	|	0.10
17.917	0.00	0.08	0.030	O	|	|	|	|	0.10
18.000	0.00	0.08	0.029	O	|	|	|	|	0.09
18.083	0.00	0.08	0.029	O	|	|	|	|	0.09
18.167	0.00	0.08	0.028	O	|	|	|	|	0.09
18.250	0.00	0.08	0.028	O	|	|	|	|	0.09
18.333	0.00	0.08	0.027	O	|	|	|	|	0.09
18.417	0.00	0.07	0.027	O	|	|	|	|	0.09
18.500	0.00	0.07	0.026	O	|	|	|	|	0.08
18.583	0.00	0.07	0.026	O	|	|	|	|	0.08
18.667	0.00	0.07	0.025	O	|	|	|	|	0.08
18.750	0.00	0.07	0.025	O	|	|	|	|	0.08
18.833	0.00	0.07	0.024	O	|	|	|	|	0.08
18.917	0.00	0.07	0.024	O	|	|	|	|	0.08
19.000	0.00	0.07	0.023	O	|	|	|	|	0.07
19.083	0.00	0.06	0.023	O	|	|	|	|	0.07
19.167	0.00	0.06	0.022	O	|	|	|	|	0.07
19.250	0.00	0.06	0.022	O	|	|	|	|	0.07
19.333	0.00	0.06	0.022	O	|	|	|	|	0.07
19.417	0.00	0.06	0.021	O	|	|	|	|	0.07
19.500	0.00	0.06	0.021	O	|	|	|	|	0.07
19.583	0.00	0.06	0.020	O	|	|	|	|	0.07
19.667	0.00	0.06	0.020	O	|	|	|	|	0.06
19.750	0.00	0.05	0.020	O	|	|	|	|	0.06
19.833	0.00	0.05	0.019	O	|	|	|	|	0.06
19.917	0.00	0.05	0.019	O	|	|	|	|	0.06
20.000	0.00	0.05	0.018	O	|	|	|	|	0.06
20.083	0.00	0.05	0.018	O	|	|	|	|	0.06
20.167	0.00	0.05	0.018	O	|	|	|	|	0.06
20.250	0.00	0.05	0.017	O	|	|	|	|	0.06
20.333	0.00	0.05	0.017	O	|	|	|	|	0.06
20.417	0.00	0.05	0.017	O	|	|	|	|	0.05
20.500	0.00	0.05	0.016	O	|	|	|	|	0.05
20.583	0.00	0.05	0.016	O	|	|	|	|	0.05
20.667	0.00	0.04	0.016	O	|	|	|	|	0.05
20.750	0.00	0.04	0.015	O	|	|	|	|	0.05
20.833	0.00	0.04	0.015	O	|	|	|	|	0.05
20.917	0.00	0.04	0.015	O	|	|	|	|	0.05
21.000	0.00	0.04	0.015	O	|	|	|	|	0.05
21.083	0.00	0.04	0.014	O	|	|	|	|	0.05
21.167	0.00	0.04	0.014	O	|	|	|	|	0.05
21.250	0.00	0.04	0.014	O	|	|	|	|	0.04
21.333	0.00	0.04	0.014	O	|	|	|	|	0.04
21.417	0.00	0.04	0.013	O	|	|	|	|	0.04
21.500	0.00	0.04	0.013	O	|	|	|	|	0.04
21.583	0.00	0.04	0.013	O	|	|	|	|	0.04
21.667	0.00	0.04	0.013	O	|	|	|	|	0.04
21.750	0.00	0.03	0.012	O	|	|	|	|	0.04
21.833	0.00	0.03	0.012	O	|	|	|	|	0.04
21.917	0.00	0.03	0.012	O	|	|	|	|	0.04
22.000	0.00	0.03	0.012	O	|	|	|	|	0.04
22.083	0.00	0.03	0.011	O	|	|	|	|	0.04
22.167	0.00	0.03	0.011	O	|	|	|	|	0.04
22.250	0.00	0.03	0.011	O	|	|	|	|	0.04
22.333	0.00	0.03	0.011	O	|	|	|	|	0.03
22.417	0.00	0.03	0.011	O	|	|	|	|	0.03
22.500	0.00	0.03	0.010	O	|	|	|	|	0.03
22.583	0.00	0.03	0.010	O	|	|	|	|	0.03
22.667	0.00	0.03	0.010	O	|	|	|	|	0.03
22.750	0.00	0.03	0.010	O	|	|	|	|	0.03

22.833	0.00	0.03	0.010	O	|	|	|	|	0.03
22.917	0.00	0.03	0.009	O	|	|	|	|	0.03
23.000	0.00	0.03	0.009	O	|	|	|	|	0.03
23.083	0.00	0.03	0.009	O	|	|	|	|	0.03
23.167	0.00	0.02	0.009	O	|	|	|	|	0.03
23.250	0.00	0.02	0.009	O	|	|	|	|	0.03
23.333	0.00	0.02	0.009	O	|	|	|	|	0.03
23.417	0.00	0.02	0.008	O	|	|	|	|	0.03
23.500	0.00	0.02	0.008	O	|	|	|	|	0.03
23.583	0.00	0.02	0.008	O	|	|	|	|	0.03
23.667	0.00	0.02	0.008	O	|	|	|	|	0.03
23.750	0.00	0.02	0.008	O	|	|	|	|	0.02
23.833	0.00	0.02	0.008	O	|	|	|	|	0.02
23.917	0.00	0.02	0.007	O	|	|	|	|	0.02
24.000	0.00	0.02	0.007	O	|	|	|	|	0.02
24.083	0.00	0.02	0.007	O	|	|	|	|	0.02
24.167	0.00	0.02	0.007	O	|	|	|	|	0.02
24.250	0.00	0.02	0.007	O	|	|	|	|	0.02
24.333	0.00	0.02	0.007	O	|	|	|	|	0.02
24.417	0.00	0.02	0.007	O	|	|	|	|	0.02
24.500	0.00	0.02	0.006	O	|	|	|	|	0.02
24.583	0.00	0.02	0.006	O	|	|	|	|	0.02
24.667	0.00	0.02	0.006	O	|	|	|	|	0.02
24.750	0.00	0.02	0.006	O	|	|	|	|	0.02
24.833	0.00	0.02	0.006	O	|	|	|	|	0.02
24.917	0.00	0.02	0.006	O	|	|	|	|	0.02
25.000	0.00	0.02	0.006	O	|	|	|	|	0.02
25.083	0.00	0.02	0.006	O	|	|	|	|	0.02
25.167	0.00	0.02	0.006	O	|	|	|	|	0.02
25.250	0.00	0.02	0.005	O	|	|	|	|	0.02
25.333	0.00	0.02	0.005	O	|	|	|	|	0.02
25.417	0.00	0.01	0.005	O	|	|	|	|	0.02
25.500	0.00	0.01	0.005	O	|	|	|	|	0.02
25.583	0.00	0.01	0.005	O	|	|	|	|	0.02
25.667	0.00	0.01	0.005	O	|	|	|	|	0.02
25.750	0.00	0.01	0.005	O	|	|	|	|	0.02
25.833	0.00	0.01	0.005	O	|	|	|	|	0.02
25.917	0.00	0.01	0.005	O	|	|	|	|	0.02
26.000	0.00	0.01	0.005	O	|	|	|	|	0.01
26.083	0.00	0.01	0.004	O	|	|	|	|	0.01
26.167	0.00	0.01	0.004	O	|	|	|	|	0.01
26.250	0.00	0.01	0.004	O	|	|	|	|	0.01
26.333	0.00	0.01	0.004	O	|	|	|	|	0.01
26.417	0.00	0.01	0.004	O	|	|	|	|	0.01
26.500	0.00	0.01	0.004	O	|	|	|	|	0.01
26.583	0.00	0.01	0.004	O	|	|	|	|	0.01
26.667	0.00	0.01	0.004	O	|	|	|	|	0.01
26.750	0.00	0.01	0.004	O	|	|	|	|	0.01
26.833	0.00	0.01	0.004	O	|	|	|	|	0.01
26.917	0.00	0.01	0.004	O	|	|	|	|	0.01
27.000	0.00	0.01	0.004	O	|	|	|	|	0.01
27.083	0.00	0.01	0.004	O	|	|	|	|	0.01
27.167	0.00	0.01	0.003	O	|	|	|	|	0.01
27.250	0.00	0.01	0.003	O	|	|	|	|	0.01
27.333	0.00	0.01	0.003	O	|	|	|	|	0.01
27.417	0.00	0.01	0.003	O	|	|	|	|	0.01
27.500	0.00	0.01	0.003	O	|	|	|	|	0.01
27.583	0.00	0.01	0.003	O	|	|	|	|	0.01
27.667	0.00	0.01	0.003	O	|	|	|	|	0.01
27.750	0.00	0.01	0.003	O	|	|	|	|	0.01
27.833	0.00	0.01	0.003	O	|	|	|	|	0.01
27.917	0.00	0.01	0.003	O	|	|	|	|	0.01
28.000	0.00	0.01	0.003	O	|	|	|	|	0.01
28.083	0.00	0.01	0.003	O	|	|	|	|	0.01
28.167	0.00	0.01	0.003	O	|	|	|	|	0.01
28.250	0.00	0.01	0.003	O	|	|	|	|	0.01
28.333	0.00	0.01	0.003	O	|	|	|	|	0.01

28.417	0.00	0.01	0.003	O	|	|	|	|	0.01
28.500	0.00	0.01	0.003	O	|	|	|	|	0.01
28.583	0.00	0.01	0.003	O	|	|	|	|	0.01
28.667	0.00	0.01	0.002	O	|	|	|	|	0.01
28.750	0.00	0.01	0.002	O	|	|	|	|	0.01
28.833	0.00	0.01	0.002	O	|	|	|	|	0.01
28.917	0.00	0.01	0.002	O	|	|	|	|	0.01
29.000	0.00	0.01	0.002	O	|	|	|	|	0.01
29.083	0.00	0.01	0.002	O	|	|	|	|	0.01
29.167	0.00	0.01	0.002	O	|	|	|	|	0.01
29.250	0.00	0.01	0.002	O	|	|	|	|	0.01
29.333	0.00	0.01	0.002	O	|	|	|	|	0.01
29.417	0.00	0.01	0.002	O	|	|	|	|	0.01
29.500	0.00	0.01	0.002	O	|	|	|	|	0.01
29.583	0.00	0.01	0.002	O	|	|	|	|	0.01
29.667	0.00	0.01	0.002	O	|	|	|	|	0.01
29.750	0.00	0.01	0.002	O	|	|	|	|	0.01
29.833	0.00	0.01	0.002	O	|	|	|	|	0.01
29.917	0.00	0.01	0.002	O	|	|	|	|	0.01
30.000	0.00	0.01	0.002	O	|	|	|	|	0.01
30.083	0.00	0.00	0.002	O	|	|	|	|	0.01
30.167	0.00	0.00	0.002	O	|	|	|	|	0.01
30.250	0.00	0.00	0.002	O	|	|	|	|	0.01
30.333	0.00	0.00	0.002	O	|	|	|	|	0.01
30.417	0.00	0.00	0.002	O	|	|	|	|	0.01
30.500	0.00	0.00	0.002	O	|	|	|	|	0.01
30.583	0.00	0.00	0.002	O	|	|	|	|	0.01
30.667	0.00	0.00	0.002	O	|	|	|	|	0.01
30.750	0.00	0.00	0.002	O	|	|	|	|	0.00
30.833	0.00	0.00	0.001	O	|	|	|	|	0.00
30.917	0.00	0.00	0.001	O	|	|	|	|	0.00
31.000	0.00	0.00	0.001	O	|	|	|	|	0.00
31.083	0.00	0.00	0.001	O	|	|	|	|	0.00
31.167	0.00	0.00	0.001	O	|	|	|	|	0.00
31.250	0.00	0.00	0.001	O	|	|	|	|	0.00
31.333	0.00	0.00	0.001	O	|	|	|	|	0.00
31.417	0.00	0.00	0.001	O	|	|	|	|	0.00
31.500	0.00	0.00	0.001	O	|	|	|	|	0.00
31.583	0.00	0.00	0.001	O	|	|	|	|	0.00
31.667	0.00	0.00	0.001	O	|	|	|	|	0.00
31.750	0.00	0.00	0.001	O	|	|	|	|	0.00
31.833	0.00	0.00	0.001	O	|	|	|	|	0.00
31.917	0.00	0.00	0.001	O	|	|	|	|	0.00
32.000	0.00	0.00	0.001	O	|	|	|	|	0.00
32.083	0.00	0.00	0.001	O	|	|	|	|	0.00
32.167	0.00	0.00	0.001	O	|	|	|	|	0.00
32.250	0.00	0.00	0.001	O	|	|	|	|	0.00
32.333	0.00	0.00	0.001	O	|	|	|	|	0.00
32.417	0.00	0.00	0.001	O	|	|	|	|	0.00
32.500	0.00	0.00	0.001	O	|	|	|	|	0.00
32.583	0.00	0.00	0.001	O	|	|	|	|	0.00
32.667	0.00	0.00	0.001	O	|	|	|	|	0.00
32.750	0.00	0.00	0.001	O	|	|	|	|	0.00
32.833	0.00	0.00	0.001	O	|	|	|	|	0.00
32.917	0.00	0.00	0.001	O	|	|	|	|	0.00
33.000	0.00	0.00	0.001	O	|	|	|	|	0.00
33.083	0.00	0.00	0.001	O	|	|	|	|	0.00
33.167	0.00	0.00	0.001	O	|	|	|	|	0.00
33.250	0.00	0.00	0.001	O	|	|	|	|	0.00
33.333	0.00	0.00	0.001	O	|	|	|	|	0.00
33.417	0.00	0.00	0.001	O	|	|	|	|	0.00
33.500	0.00	0.00	0.001	O	|	|	|	|	0.00
33.583	0.00	0.00	0.001	O	|	|	|	|	0.00
33.667	0.00	0.00	0.001	O	|	|	|	|	0.00
33.750	0.00	0.00	0.001	O	|	|	|	|	0.00
33.833	0.00	0.00	0.001	O	|	|	|	|	0.00
33.917	0.00	0.00	0.001	O	|	|	|	|	0.00

34.000	0.00	0.00	0.001	O	|	|	|	|	0.00
34.083	0.00	0.00	0.001	O	|	|	|	|	0.00
34.167	0.00	0.00	0.001	O	|	|	|	|	0.00
34.250	0.00	0.00	0.001	O	|	|	|	|	0.00
34.333	0.00	0.00	0.001	O	|	|	|	|	0.00
34.417	0.00	0.00	0.001	O	|	|	|	|	0.00
34.500	0.00	0.00	0.001	O	|	|	|	|	0.00
34.583	0.00	0.00	0.001	O	|	|	|	|	0.00
34.667	0.00	0.00	0.001	O	|	|	|	|	0.00
34.750	0.00	0.00	0.001	O	|	|	|	|	0.00
34.833	0.00	0.00	0.001	O	|	|	|	|	0.00
34.917	0.00	0.00	0.001	O	|	|	|	|	0.00
35.000	0.00	0.00	0.001	O	|	|	|	|	0.00
35.083	0.00	0.00	0.001	O	|	|	|	|	0.00
35.167	0.00	0.00	0.001	O	|	|	|	|	0.00
35.250	0.00	0.00	0.001	O	|	|	|	|	0.00
35.333	0.00	0.00	0.001	O	|	|	|	|	0.00
35.417	0.00	0.00	0.001	O	|	|	|	|	0.00
35.500	0.00	0.00	0.001	O	|	|	|	|	0.00
35.583	0.00	0.00	0.000	O	|	|	|	|	0.00
35.667	0.00	0.00	0.000	O	|	|	|	|	0.00
35.750	0.00	0.00	0.000	O	|	|	|	|	0.00
35.833	0.00	0.00	0.000	O	|	|	|	|	0.00
35.917	0.00	0.00	0.000	O	|	|	|	|	0.00
36.000	0.00	0.00	0.000	O	|	|	|	|	0.00
36.083	0.00	0.00	0.000	O	|	|	|	|	0.00
36.167	0.00	0.00	0.000	O	|	|	|	|	0.00
36.250	0.00	0.00	0.000	O	|	|	|	|	0.00
36.333	0.00	0.00	0.000	O	|	|	|	|	0.00
36.417	0.00	0.00	0.000	O	|	|	|	|	0.00
36.500	0.00	0.00	0.000	O	|	|	|	|	0.00
36.583	0.00	0.00	0.000	O	|	|	|	|	0.00
36.667	0.00	0.00	0.000	O	|	|	|	|	0.00
36.750	0.00	0.00	0.000	O	|	|	|	|	0.00
36.833	0.00	0.00	0.000	O	|	|	|	|	0.00
36.917	0.00	0.00	0.000	O	|	|	|	|	0.00
37.000	0.00	0.00	0.000	O	|	|	|	|	0.00
37.083	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 445
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 22.649 (CFS)
Total volume = 1.447 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/27/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRA62.rte

**********HYDROGRAPH DATA**********

Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 30.144 (CFS)
Total volume = 1.829 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN A- ROUTING
2YR-6HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.870	0.307	0.313
2.000	0.660	1.860	0.654	0.666
2.650	0.920	2.240	0.912	0.928
3.000	1.070	36.900	0.943	1.197
3.500	1.300	133.130	0.842	1.758
4.000	1.900	264.030	0.991	2.809

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 7.5 15.07 22.61 30.14	Depth (Ft.)
0.083	0.55	0.01	0.002	O | | | |	0.01
0.167	1.02	0.02	0.007	OI | | | |	0.02
0.250	1.15	0.04	0.014	OI | | | |	0.05
0.333	1.16	0.06	0.022	OI | | | |	0.07

0.417	1.16	0.08	0.029	OI	|	|	|	|	0.10
0.500	1.27	0.10	0.037	OI	|	|	|	|	0.12
0.583	1.34	0.13	0.045	OI	|	|	|	|	0.15
0.667	1.35	0.15	0.054	OI	|	|	|	|	0.17
0.750	1.35	0.17	0.062	OI	|	|	|	|	0.20
0.833	1.35	0.20	0.070	OI	|	|	|	|	0.23
0.917	1.35	0.22	0.078	OI	|	|	|	|	0.25
1.000	1.46	0.24	0.086	OI	|	|	|	|	0.28
1.083	1.53	0.27	0.094	OI	|	|	|	|	0.30
1.167	1.54	0.29	0.103	OI	|	|	|	|	0.33
1.250	1.54	0.31	0.112	OI	|	|	|	|	0.36
1.333	1.54	0.34	0.120	OI	|	|	|	|	0.39
1.417	1.54	0.36	0.128	OI	|	|	|	|	0.41
1.500	1.54	0.38	0.136	OI	|	|	|	|	0.44
1.583	1.54	0.41	0.144	OI	|	|	|	|	0.47
1.667	1.54	0.43	0.152	OI	|	|	|	|	0.49
1.750	1.54	0.45	0.160	OI	|	|	|	|	0.52
1.833	1.54	0.47	0.167	OI	|	|	|	|	0.54
1.917	1.54	0.49	0.175	OI	|	|	|	|	0.56
2.000	1.65	0.51	0.182	OI	|	|	|	|	0.59
2.083	1.62	0.53	0.190	OI	|	|	|	|	0.61
2.167	1.67	0.55	0.197	OI	|	|	|	|	0.64
2.250	1.73	0.58	0.205	OI	|	|	|	|	0.66
2.333	1.74	0.60	0.213	OI	|	|	|	|	0.69
2.417	1.74	0.62	0.221	OI	|	|	|	|	0.71
2.500	1.74	0.64	0.228	OI	|	|	|	|	0.74
2.583	1.74	0.66	0.236	OI	|	|	|	|	0.76
2.667	1.74	0.68	0.243	OI	|	|	|	|	0.78
2.750	1.85	0.70	0.251	OI	|	|	|	|	0.81
2.833	1.92	0.73	0.259	O I	|	|	|	|	0.83
2.917	1.93	0.75	0.267	O I	|	|	|	|	0.86
3.000	1.93	0.77	0.275	O I	|	|	|	|	0.89
3.083	1.93	0.79	0.283	O I	|	|	|	|	0.91
3.167	2.04	0.82	0.291	O I	|	|	|	|	0.94
3.250	2.11	0.84	0.300	O I	|	|	|	|	0.97
3.333	2.12	0.87	0.308	O I	|	|	|	|	0.99
3.417	2.23	0.89	0.317	O I	|	|	|	|	1.02
3.500	2.41	0.92	0.327	O I	|	|	|	|	1.05
3.583	2.61	0.95	0.338	|OI	|	|	|	|	1.08
3.667	2.69	0.98	0.350	|OI	|	|	|	|	1.11
3.750	2.81	1.02	0.362	|OI	|	|	|	|	1.15
3.833	2.88	1.05	0.374	|O I	|	|	|	|	1.18
3.917	3.01	1.09	0.387	|O I	|	|	|	|	1.22
4.000	3.08	1.13	0.400	|O I	|	|	|	|	1.26
4.083	3.20	1.16	0.414	|O I	|	|	|	|	1.30
4.167	3.38	1.21	0.429	|O I	|	|	|	|	1.34
4.250	3.57	1.25	0.444	|O I	|	|	|	|	1.38
4.333	3.77	1.30	0.461	|O I	|	|	|	|	1.43
4.417	3.96	1.35	0.478	|O I	|	|	|	|	1.48
4.500	4.04	1.40	0.496	|O I	|	|	|	|	1.53
4.583	4.16	1.45	0.515	|O I	|	|	|	|	1.58
4.667	4.34	1.50	0.534	|O I	|	|	|	|	1.64
4.750	4.54	1.56	0.554	|O I	|	|	|	|	1.70
4.833	4.62	1.62	0.574	|O I	|	|	|	|	1.76
4.917	4.74	1.68	0.595	|O I	|	|	|	|	1.81
5.000	4.92	1.74	0.617	|O I	|	|	|	|	1.88
5.083	7.49	1.82	0.647	|O I|	|	|	|	1.96
5.167	11.95	1.92	0.701	| O |	I |	|	|	2.10
5.250	15.76	2.04	0.783	| O |	I |	|	|	2.31
5.333	18.87	2.19	0.888	| O |	| I |	|	2.57
5.417	23.00	14.69	0.974	|	O|	| I	|	2.78
5.500	30.14	**25.22**	**1.019**	**|**	**|**	**| O**	**I**	**2.88**
5.583	16.26	23.43	1.012	|	|	I | O	|	2.86
5.667	4.40	11.82	0.961	| I	| O |	|	|	2.75
5.750	1.52	3.97	0.927	|I O	|	|	|	2.67
5.833	1.08	2.23	0.915	|IO	|	|	|	2.64
5.917	0.76	2.22	0.906	I O	|	|	|	2.62

6.000	0.49	2.20	0.895	I O	|	|	|	2.59
6.083	0.18	2.18	0.882	I O	|	|	|	2.56
6.167	0.02	2.16	0.868	I O	|	|	|	2.52
6.250	0.00	2.14	0.853	I O	|	|	|	2.48
6.333	0.00	2.12	0.839	I O	|	|	|	2.45
6.417	0.00	2.10	0.824	I O	|	|	|	2.41
6.500	0.00	2.08	0.810	I O	|	|	|	2.37
6.583	0.00	2.06	0.795	I O	|	|	|	2.34
6.667	0.00	2.04	0.781	I O	|	|	|	2.30
6.750	0.00	2.02	0.767	I O	|	|	|	2.27
6.833	0.00	2.00	0.754	I O	|	|	|	2.23
6.917	0.00	1.98	0.740	I O	|	|	|	2.20
7.000	0.00	1.96	0.726	I O	|	|	|	2.17
7.083	0.00	1.94	0.713	I O	|	|	|	2.13
7.167	0.00	1.92	0.700	I O	|	|	|	2.10
7.250	0.00	1.90	0.687	I O	|	|	|	2.07
7.333	0.00	1.88	0.674	IO	|	|	|	2.03
7.417	0.00	1.86	0.661	IO	|	|	|	2.00
7.500	0.00	1.83	0.648	IO	|	|	|	1.97
7.583	0.00	1.79	0.635	IO	|	|	|	1.93
7.667	0.00	1.76	0.623	IO	|	|	|	1.90
7.750	0.00	1.72	0.611	IO	|	|	|	1.86
7.833	0.00	1.69	0.600	IO	|	|	|	1.83
7.917	0.00	1.66	0.588	IO	|	|	|	1.79
8.000	0.00	1.62	0.577	IO	|	|	|	1.76
8.083	0.00	1.59	0.566	IO	|	|	|	1.73
8.167	0.00	1.56	0.555	IO	|	|	|	1.70
8.250	0.00	1.53	0.544	IO	|	|	|	1.67
8.333	0.00	1.50	0.534	IO	|	|	|	1.64
8.417	0.00	1.47	0.523	IO	|	|	|	1.61
8.500	0.00	1.45	0.513	IO	|	|	|	1.58
8.583	0.00	1.42	0.504	IO	|	|	|	1.55
8.667	0.00	1.39	0.494	IO	|	|	|	1.53
8.750	0.00	1.36	0.484	IO	|	|	|	1.50
8.833	0.00	1.34	0.475	IO	|	|	|	1.47
8.917	0.00	1.31	0.466	IO	|	|	|	1.45
9.000	0.00	1.29	0.457	IO	|	|	|	1.42
9.083	0.00	1.26	0.448	IO	|	|	|	1.39
9.167	0.00	1.24	0.440	IO	|	|	|	1.37
9.250	0.00	1.21	0.431	IO	|	|	|	1.35
9.333	0.00	1.19	0.423	IO	|	|	|	1.32
9.417	0.00	1.17	0.415	IO	|	|	|	1.30
9.500	0.00	1.14	0.407	IO	|	|	|	1.28
9.583	0.00	1.12	0.399	IO	|	|	|	1.25
9.667	0.00	1.10	0.391	IO	|	|	|	1.23
9.750	0.00	1.08	0.384	IO	|	|	|	1.21
9.833	0.00	1.06	0.377	IO	|	|	|	1.19
9.917	0.00	1.04	0.369	IO	|	|	|	1.17
10.000	0.00	1.02	0.362	IO	|	|	|	1.15
10.083	0.00	1.00	0.355	IO	|	|	|	1.13
10.167	0.00	0.98	0.348	IO	|	|	|	1.11
10.250	0.00	0.96	0.342	IO	|	|	|	1.09
10.333	0.00	0.94	0.335	O	|	|	|	1.07
10.417	0.00	0.92	0.329	O	|	|	|	1.05
10.500	0.00	0.91	0.323	O	|	|	|	1.04
10.583	0.00	0.89	0.316	O	|	|	|	1.02
10.667	0.00	0.87	0.310	O	|	|	|	1.00
10.750	0.00	0.85	0.304	O	|	|	|	0.98
10.833	0.00	0.84	0.299	O	|	|	|	0.96
10.917	0.00	0.82	0.293	O	|	|	|	0.94
11.000	0.00	0.81	0.287	O	|	|	|	0.93
11.083	0.00	0.79	0.282	O	|	|	|	0.91
11.167	0.00	0.78	0.276	O	|	|	|	0.89
11.250	0.00	0.76	0.271	O	|	|	|	0.87
11.333	0.00	0.75	0.266	O	|	|	|	0.86
11.417	0.00	0.73	0.261	O	|	|	|	0.84
11.500	0.00	0.72	0.256	O	|	|	|	0.83

11.583	0.00	0.70	0.251	O	|	|	|	|	0.81
11.667	0.00	0.69	0.246	O	|	|	|	|	0.79
11.750	0.00	0.68	0.241	O	|	|	|	|	0.78
11.833	0.00	0.66	0.237	O	|	|	|	|	0.76
11.917	0.00	0.65	0.232	O	|	|	|	|	0.75
12.000	0.00	0.64	0.228	O	|	|	|	|	0.73
12.083	0.00	0.63	0.223	O	|	|	|	|	0.72
12.167	0.00	0.61	0.219	O	|	|	|	|	0.71
12.250	0.00	0.60	0.215	O	|	|	|	|	0.69
12.333	0.00	0.59	0.211	O	|	|	|	|	0.68
12.417	0.00	0.58	0.207	O	|	|	|	|	0.67
12.500	0.00	0.57	0.203	O	|	|	|	|	0.65
12.583	0.00	0.56	0.199	O	|	|	|	|	0.64
12.667	0.00	0.55	0.195	O	|	|	|	|	0.63
12.750	0.00	0.54	0.191	O	|	|	|	|	0.62
12.833	0.00	0.53	0.188	O	|	|	|	|	0.61
12.917	0.00	0.52	0.184	O	|	|	|	|	0.59
13.000	0.00	0.51	0.181	O	|	|	|	|	0.58
13.083	0.00	0.50	0.177	O	|	|	|	|	0.57
13.167	0.00	0.49	0.174	O	|	|	|	|	0.56
13.250	0.00	0.48	0.170	O	|	|	|	|	0.55
13.333	0.00	0.47	0.167	O	|	|	|	|	0.54
13.417	0.00	0.46	0.164	O	|	|	|	|	0.53
13.500	0.00	0.45	0.161	O	|	|	|	|	0.52
13.583	0.00	0.44	0.158	O	|	|	|	|	0.51
13.667	0.00	0.43	0.155	O	|	|	|	|	0.50
13.750	0.00	0.43	0.152	O	|	|	|	|	0.49
13.833	0.00	0.42	0.149	O	|	|	|	|	0.48
13.917	0.00	0.41	0.146	O	|	|	|	|	0.47
14.000	0.00	0.40	0.143	O	|	|	|	|	0.46
14.083	0.00	0.39	0.140	O	|	|	|	|	0.45
14.167	0.00	0.39	0.138	O	|	|	|	|	0.44
14.250	0.00	0.38	0.135	O	|	|	|	|	0.44
14.333	0.00	0.37	0.133	O	|	|	|	|	0.43
14.417	0.00	0.36	0.130	O	|	|	|	|	0.42
14.500	0.00	0.36	0.128	O	|	|	|	|	0.41
14.583	0.00	0.35	0.125	O	|	|	|	|	0.40
14.667	0.00	0.34	0.123	O	|	|	|	|	0.40
14.750	0.00	0.34	0.120	O	|	|	|	|	0.39
14.833	0.00	0.33	0.118	O	|	|	|	|	0.38
14.917	0.00	0.32	0.116	O	|	|	|	|	0.37
15.000	0.00	0.32	0.114	O	|	|	|	|	0.37
15.083	0.00	0.31	0.111	O	|	|	|	|	0.36
15.167	0.00	0.31	0.109	O	|	|	|	|	0.35
15.250	0.00	0.30	0.107	O	|	|	|	|	0.35
15.333	0.00	0.30	0.105	O	|	|	|	|	0.34
15.417	0.00	0.29	0.103	O	|	|	|	|	0.33
15.500	0.00	0.28	0.101	O	|	|	|	|	0.33
15.583	0.00	0.28	0.099	O	|	|	|	|	0.32
15.667	0.00	0.27	0.097	O	|	|	|	|	0.31
15.750	0.00	0.27	0.095	O	|	|	|	|	0.31
15.833	0.00	0.26	0.094	O	|	|	|	|	0.30
15.917	0.00	0.26	0.092	O	|	|	|	|	0.30
16.000	0.00	0.25	0.090	O	|	|	|	|	0.29
16.083	0.00	0.25	0.088	O	|	|	|	|	0.28
16.167	0.00	0.24	0.087	O	|	|	|	|	0.28
16.250	0.00	0.24	0.085	O	|	|	|	|	0.27
16.333	0.00	0.23	0.083	O	|	|	|	|	0.27
16.417	0.00	0.23	0.082	O	|	|	|	|	0.26
16.500	0.00	0.23	0.080	O	|	|	|	|	0.26
16.583	0.00	0.22	0.079	O	|	|	|	|	0.25
16.667	0.00	0.22	0.077	O	|	|	|	|	0.25
16.750	0.00	0.21	0.076	O	|	|	|	|	0.24
16.833	0.00	0.21	0.074	O	|	|	|	|	0.24
16.917	0.00	0.20	0.073	O	|	|	|	|	0.23
17.000	0.00	0.20	0.071	O	|	|	|	|	0.23
17.083	0.00	0.20	0.070	O	|	|	|	|	0.23

17.167	0.00	0.19	0.069	O	|	|	|	|	0.22
17.250	0.00	0.19	0.067	O	|	|	|	|	0.22
17.333	0.00	0.19	0.066	O	|	|	|	|	0.21
17.417	0.00	0.18	0.065	O	|	|	|	|	0.21
17.500	0.00	0.18	0.064	O	|	|	|	|	0.21
17.583	0.00	0.18	0.062	O	|	|	|	|	0.20
17.667	0.00	0.17	0.061	O	|	|	|	|	0.20
17.750	0.00	0.17	0.060	O	|	|	|	|	0.19
17.833	0.00	0.17	0.059	O	|	|	|	|	0.19
17.917	0.00	0.16	0.058	O	|	|	|	|	0.19
18.000	0.00	0.16	0.057	O	|	|	|	|	0.18
18.083	0.00	0.16	0.056	O	|	|	|	|	0.18
18.167	0.00	0.15	0.054	O	|	|	|	|	0.18
18.250	0.00	0.15	0.053	O	|	|	|	|	0.17
18.333	0.00	0.15	0.052	O	|	|	|	|	0.17
18.417	0.00	0.14	0.051	O	|	|	|	|	0.17
18.500	0.00	0.14	0.050	O	|	|	|	|	0.16
18.583	0.00	0.14	0.049	O	|	|	|	|	0.16
18.667	0.00	0.14	0.049	O	|	|	|	|	0.16
18.750	0.00	0.13	0.048	O	|	|	|	|	0.15
18.833	0.00	0.13	0.047	O	|	|	|	|	0.15
18.917	0.00	0.13	0.046	O	|	|	|	|	0.15
19.000	0.00	0.13	0.045	O	|	|	|	|	0.14
19.083	0.00	0.12	0.044	O	|	|	|	|	0.14
19.167	0.00	0.12	0.043	O	|	|	|	|	0.14
19.250	0.00	0.12	0.042	O	|	|	|	|	0.14
19.333	0.00	0.12	0.042	O	|	|	|	|	0.13
19.417	0.00	0.11	0.041	O	|	|	|	|	0.13
19.500	0.00	0.11	0.040	O	|	|	|	|	0.13
19.583	0.00	0.11	0.039	O	|	|	|	|	0.13
19.667	0.00	0.11	0.038	O	|	|	|	|	0.12
19.750	0.00	0.11	0.038	O	|	|	|	|	0.12
19.833	0.00	0.10	0.037	O	|	|	|	|	0.12
19.917	0.00	0.10	0.036	O	|	|	|	|	0.12
20.000	0.00	0.10	0.036	O	|	|	|	|	0.11
20.083	0.00	0.10	0.035	O	|	|	|	|	0.11
20.167	0.00	0.10	0.034	O	|	|	|	|	0.11
20.250	0.00	0.09	0.034	O	|	|	|	|	0.11
20.333	0.00	0.09	0.033	O	|	|	|	|	0.11
20.417	0.00	0.09	0.032	O	|	|	|	|	0.10
20.500	0.00	0.09	0.032	O	|	|	|	|	0.10
20.583	0.00	0.09	0.031	O	|	|	|	|	0.10
20.667	0.00	0.09	0.031	O	|	|	|	|	0.10
20.750	0.00	0.08	0.030	O	|	|	|	|	0.10
20.833	0.00	0.08	0.029	O	|	|	|	|	0.09
20.917	0.00	0.08	0.029	O	|	|	|	|	0.09
21.000	0.00	0.08	0.028	O	|	|	|	|	0.09
21.083	0.00	0.08	0.028	O	|	|	|	|	0.09
21.167	0.00	0.08	0.027	O	|	|	|	|	0.09
21.250	0.00	0.07	0.027	O	|	|	|	|	0.09
21.333	0.00	0.07	0.026	O	|	|	|	|	0.08
21.417	0.00	0.07	0.026	O	|	|	|	|	0.08
21.500	0.00	0.07	0.025	O	|	|	|	|	0.08
21.583	0.00	0.07	0.025	O	|	|	|	|	0.08
21.667	0.00	0.07	0.024	O	|	|	|	|	0.08
21.750	0.00	0.07	0.024	O	|	|	|	|	0.08
21.833	0.00	0.07	0.023	O	|	|	|	|	0.08
21.917	0.00	0.06	0.023	O	|	|	|	|	0.07
22.000	0.00	0.06	0.022	O	|	|	|	|	0.07
22.083	0.00	0.06	0.022	O	|	|	|	|	0.07
22.167	0.00	0.06	0.022	O	|	|	|	|	0.07
22.250	0.00	0.06	0.021	O	|	|	|	|	0.07
22.333	0.00	0.06	0.021	O	|	|	|	|	0.07
22.417	0.00	0.06	0.020	O	|	|	|	|	0.07
22.500	0.00	0.06	0.020	O	|	|	|	|	0.06
22.583	0.00	0.05	0.020	O	|	|	|	|	0.06
22.667	0.00	0.05	0.019	O	|	|	|	|	0.06

22.750	0.00	0.05	0.019	O	|	|	|	|	0.06
22.833	0.00	0.05	0.018	O	|	|	|	|	0.06
22.917	0.00	0.05	0.018	O	|	|	|	|	0.06
23.000	0.00	0.05	0.018	O	|	|	|	|	0.06
23.083	0.00	0.05	0.017	O	|	|	|	|	0.06
23.167	0.00	0.05	0.017	O	|	|	|	|	0.06
23.250	0.00	0.05	0.017	O	|	|	|	|	0.05
23.333	0.00	0.05	0.016	O	|	|	|	|	0.05
23.417	0.00	0.05	0.016	O	|	|	|	|	0.05
23.500	0.00	0.04	0.016	O	|	|	|	|	0.05
23.583	0.00	0.04	0.016	O	|	|	|	|	0.05
23.667	0.00	0.04	0.015	O	|	|	|	|	0.05
23.750	0.00	0.04	0.015	O	|	|	|	|	0.05
23.833	0.00	0.04	0.015	O	|	|	|	|	0.05
23.917	0.00	0.04	0.014	O	|	|	|	|	0.05
24.000	0.00	0.04	0.014	O	|	|	|	|	0.05
24.083	0.00	0.04	0.014	O	|	|	|	|	0.04
24.167	0.00	0.04	0.014	O	|	|	|	|	0.04
24.250	0.00	0.04	0.013	O	|	|	|	|	0.04
24.333	0.00	0.04	0.013	O	|	|	|	|	0.04
24.417	0.00	0.04	0.013	O	|	|	|	|	0.04
24.500	0.00	0.04	0.013	O	|	|	|	|	0.04
24.583	0.00	0.03	0.012	O	|	|	|	|	0.04
24.667	0.00	0.03	0.012	O	|	|	|	|	0.04
24.750	0.00	0.03	0.012	O	|	|	|	|	0.04
24.833	0.00	0.03	0.012	O	|	|	|	|	0.04
24.917	0.00	0.03	0.011	O	|	|	|	|	0.04
25.000	0.00	0.03	0.011	O	|	|	|	|	0.04
25.083	0.00	0.03	0.011	O	|	|	|	|	0.04
25.167	0.00	0.03	0.011	O	|	|	|	|	0.03
25.250	0.00	0.03	0.011	O	|	|	|	|	0.03
25.333	0.00	0.03	0.010	O	|	|	|	|	0.03
25.417	0.00	0.03	0.010	O	|	|	|	|	0.03
25.500	0.00	0.03	0.010	O	|	|	|	|	0.03
25.583	0.00	0.03	0.010	O	|	|	|	|	0.03
25.667	0.00	0.03	0.010	O	|	|	|	|	0.03
25.750	0.00	0.03	0.009	O	|	|	|	|	0.03
25.833	0.00	0.03	0.009	O	|	|	|	|	0.03
25.917	0.00	0.03	0.009	O	|	|	|	|	0.03
26.000	0.00	0.02	0.009	O	|	|	|	|	0.03
26.083	0.00	0.02	0.009	O	|	|	|	|	0.03
26.167	0.00	0.02	0.009	O	|	|	|	|	0.03
26.250	0.00	0.02	0.008	O	|	|	|	|	0.03
26.333	0.00	0.02	0.008	O	|	|	|	|	0.03
26.417	0.00	0.02	0.008	O	|	|	|	|	0.03
26.500	0.00	0.02	0.008	O	|	|	|	|	0.03
26.583	0.00	0.02	0.008	O	|	|	|	|	0.02
26.667	0.00	0.02	0.008	O	|	|	|	|	0.02
26.750	0.00	0.02	0.007	O	|	|	|	|	0.02
26.833	0.00	0.02	0.007	O	|	|	|	|	0.02
26.917	0.00	0.02	0.007	O	|	|	|	|	0.02
27.000	0.00	0.02	0.007	O	|	|	|	|	0.02
27.083	0.00	0.02	0.007	O	|	|	|	|	0.02
27.167	0.00	0.02	0.007	O	|	|	|	|	0.02
27.250	0.00	0.02	0.007	O	|	|	|	|	0.02
27.333	0.00	0.02	0.007	O	|	|	|	|	0.02
27.417	0.00	0.02	0.006	O	|	|	|	|	0.02
27.500	0.00	0.02	0.006	O	|	|	|	|	0.02
27.583	0.00	0.02	0.006	O	|	|	|	|	0.02
27.667	0.00	0.02	0.006	O	|	|	|	|	0.02
27.750	0.00	0.02	0.006	O	|	|	|	|	0.02
27.833	0.00	0.02	0.006	O	|	|	|	|	0.02
27.917	0.00	0.02	0.006	O	|	|	|	|	0.02
28.000	0.00	0.02	0.006	O	|	|	|	|	0.02
28.083	0.00	0.02	0.005	O	|	|	|	|	0.02
28.167	0.00	0.02	0.005	O	|	|	|	|	0.02
28.250	0.00	0.01	0.005	O	|	|	|	|	0.02

28.333	0.00	0.01	0.005	O	|	|	|	|	0.02
28.417	0.00	0.01	0.005	O	|	|	|	|	0.02
28.500	0.00	0.01	0.005	O	|	|	|	|	0.02
28.583	0.00	0.01	0.005	O	|	|	|	|	0.02
28.667	0.00	0.01	0.005	O	|	|	|	|	0.02
28.750	0.00	0.01	0.005	O	|	|	|	|	0.02
28.833	0.00	0.01	0.005	O	|	|	|	|	0.01
28.917	0.00	0.01	0.005	O	|	|	|	|	0.01
29.000	0.00	0.01	0.004	O	|	|	|	|	0.01
29.083	0.00	0.01	0.004	O	|	|	|	|	0.01
29.167	0.00	0.01	0.004	O	|	|	|	|	0.01
29.250	0.00	0.01	0.004	O	|	|	|	|	0.01
29.333	0.00	0.01	0.004	O	|	|	|	|	0.01
29.417	0.00	0.01	0.004	O	|	|	|	|	0.01
29.500	0.00	0.01	0.004	O	|	|	|	|	0.01
29.583	0.00	0.01	0.004	O	|	|	|	|	0.01
29.667	0.00	0.01	0.004	O	|	|	|	|	0.01
29.750	0.00	0.01	0.004	O	|	|	|	|	0.01
29.833	0.00	0.01	0.004	O	|	|	|	|	0.01
29.917	0.00	0.01	0.004	O	|	|	|	|	0.01
30.000	0.00	0.01	0.004	O	|	|	|	|	0.01
30.083	0.00	0.01	0.003	O	|	|	|	|	0.01
30.167	0.00	0.01	0.003	O	|	|	|	|	0.01
30.250	0.00	0.01	0.003	O	|	|	|	|	0.01
30.333	0.00	0.01	0.003	O	|	|	|	|	0.01
30.417	0.00	0.01	0.003	O	|	|	|	|	0.01
30.500	0.00	0.01	0.003	O	|	|	|	|	0.01
30.583	0.00	0.01	0.003	O	|	|	|	|	0.01
30.667	0.00	0.01	0.003	O	|	|	|	|	0.01
30.750	0.00	0.01	0.003	O	|	|	|	|	0.01
30.833	0.00	0.01	0.003	O	|	|	|	|	0.01
30.917	0.00	0.01	0.003	O	|	|	|	|	0.01
31.000	0.00	0.01	0.003	O	|	|	|	|	0.01
31.083	0.00	0.01	0.003	O	|	|	|	|	0.01
31.167	0.00	0.01	0.003	O	|	|	|	|	0.01
31.250	0.00	0.01	0.003	O	|	|	|	|	0.01
31.333	0.00	0.01	0.003	O	|	|	|	|	0.01
31.417	0.00	0.01	0.003	O	|	|	|	|	0.01
31.500	0.00	0.01	0.002	O	|	|	|	|	0.01
31.583	0.00	0.01	0.002	O	|	|	|	|	0.01
31.667	0.00	0.01	0.002	O	|	|	|	|	0.01
31.750	0.00	0.01	0.002	O	|	|	|	|	0.01
31.833	0.00	0.01	0.002	O	|	|	|	|	0.01
31.917	0.00	0.01	0.002	O	|	|	|	|	0.01
32.000	0.00	0.01	0.002	O	|	|	|	|	0.01
32.083	0.00	0.01	0.002	O	|	|	|	|	0.01
32.167	0.00	0.01	0.002	O	|	|	|	|	0.01
32.250	0.00	0.01	0.002	O	|	|	|	|	0.01
32.333	0.00	0.01	0.002	O	|	|	|	|	0.01
32.417	0.00	0.01	0.002	O	|	|	|	|	0.01
32.500	0.00	0.01	0.002	O	|	|	|	|	0.01
32.583	0.00	0.01	0.002	O	|	|	|	|	0.01
32.667	0.00	0.01	0.002	O	|	|	|	|	0.01
32.750	0.00	0.01	0.002	O	|	|	|	|	0.01
32.833	0.00	0.01	0.002	O	|	|	|	|	0.01
32.917	0.00	0.00	0.002	O	|	|	|	|	0.01
33.000	0.00	0.00	0.002	O	|	|	|	|	0.01
33.083	0.00	0.00	0.002	O	|	|	|	|	0.01
33.167	0.00	0.00	0.002	O	|	|	|	|	0.01
33.250	0.00	0.00	0.002	O	|	|	|	|	0.01
33.333	0.00	0.00	0.002	O	|	|	|	|	0.01
33.417	0.00	0.00	0.002	O	|	|	|	|	0.01
33.500	0.00	0.00	0.002	O	|	|	|	|	0.01
33.583	0.00	0.00	0.002	O	|	|	|	|	0.00
33.667	0.00	0.00	0.001	O	|	|	|	|	0.00
33.750	0.00	0.00	0.001	O	|	|	|	|	0.00
33.833	0.00	0.00	0.001	O	|	|	|	|	0.00

33.917	0.00	0.00	0.001	O	|	|	|	0.00
34.000	0.00	0.00	0.001	O	|	|	|	0.00
34.083	0.00	0.00	0.001	O	|	|	|	0.00
34.167	0.00	0.00	0.001	O	|	|	|	0.00
34.250	0.00	0.00	0.001	O	|	|	|	0.00
34.333	0.00	0.00	0.001	O	|	|	|	0.00
34.417	0.00	0.00	0.001	O	|	|	|	0.00
34.500	0.00	0.00	0.001	O	|	|	|	0.00
34.583	0.00	0.00	0.001	O	|	|	|	0.00
34.667	0.00	0.00	0.001	O	|	|	|	0.00
34.750	0.00	0.00	0.001	O	|	|	|	0.00
34.833	0.00	0.00	0.001	O	|	|	|	0.00
34.917	0.00	0.00	0.001	O	|	|	|	0.00
35.000	0.00	0.00	0.001	O	|	|	|	0.00
35.083	0.00	0.00	0.001	O	|	|	|	0.00
35.167	0.00	0.00	0.001	O	|	|	|	0.00
35.250	0.00	0.00	0.001	O	|	|	|	0.00
35.333	0.00	0.00	0.001	O	|	|	|	0.00
35.417	0.00	0.00	0.001	O	|	|	|	0.00
35.500	0.00	0.00	0.001	O	|	|	|	0.00
35.583	0.00	0.00	0.001	O	|	|	|	0.00
35.667	0.00	0.00	0.001	O	|	|	|	0.00
35.750	0.00	0.00	0.001	O	|	|	|	0.00
35.833	0.00	0.00	0.001	O	|	|	|	0.00
35.917	0.00	0.00	0.001	O	|	|	|	0.00
36.000	0.00	0.00	0.001	O	|	|	|	0.00
36.083	0.00	0.00	0.001	O	|	|	|	0.00
36.167	0.00	0.00	0.001	O	|	|	|	0.00
36.250	0.00	0.00	0.001	O	|	|	|	0.00
36.333	0.00	0.00	0.001	O	|	|	|	0.00
36.417	0.00	0.00	0.001	O	|	|	|	0.00
36.500	0.00	0.00	0.001	O	|	|	|	0.00
36.583	0.00	0.00	0.001	O	|	|	|	0.00
36.667	0.00	0.00	0.001	O	|	|	|	0.00
36.750	0.00	0.00	0.001	O	|	|	|	0.00
36.833	0.00	0.00	0.001	O	|	|	|	0.00
36.917	0.00	0.00	0.001	O	|	|	|	0.00
37.000	0.00	0.00	0.001	O	|	|	|	0.00
37.083	0.00	0.00	0.001	O	|	|	|	0.00
37.167	0.00	0.00	0.001	O	|	|	|	0.00
37.250	0.00	0.00	0.001	O	|	|	|	0.00
37.333	0.00	0.00	0.001	O	|	|	|	0.00
37.417	0.00	0.00	0.001	O	|	|	|	0.00
37.500	0.00	0.00	0.001	O	|	|	|	0.00
37.583	0.00	0.00	0.001	O	|	|	|	0.00
37.667	0.00	0.00	0.001	O	|	|	|	0.00
37.750	0.00	0.00	0.001	O	|	|	|	0.00
37.833	0.00	0.00	0.001	O	|	|	|	0.00
37.917	0.00	0.00	0.001	O	|	|	|	0.00
38.000	0.00	0.00	0.001	O	|	|	|	0.00
38.083	0.00	0.00	0.001	O	|	|	|	0.00
38.167	0.00	0.00	0.001	O	|	|	|	0.00
38.250	0.00	0.00	0.001	O	|	|	|	0.00
38.333	0.00	0.00	0.001	O	|	|	|	0.00
38.417	0.00	0.00	0.000	O	|	|	|	0.00
38.500	0.00	0.00	0.000	O	|	|	|	0.00
38.583	0.00	0.00	0.000	O	|	|	|	0.00
38.667	0.00	0.00	0.000	O	|	|	|	0.00
38.750	0.00	0.00	0.000	O	|	|	|	0.00
38.833	0.00	0.00	0.000	O	|	|	|	0.00
38.917	0.00	0.00	0.000	O	|	|	|	0.00
39.000	0.00	0.00	0.000	O	|	|	|	0.00
39.083	0.00	0.00	0.000	O	|	|	|	0.00
39.167	0.00	0.00	0.000	O	|	|	|	0.00
39.250	0.00	0.00	0.000	O	|	|	|	0.00
39.333	0.00	0.00	0.000	O	|	|	|	0.00
39.417	0.00	0.00	0.000	O	|	|	|	0.00

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39.500    0.00    0.00      0.000  O       |       |       |       |     0.00
39.583    0.00    0.00      0.000  O       |       |       |       |     0.00
39.667    0.00    0.00      0.000  O       |       |       |       |     0.00
39.750    0.00    0.00      0.000  O       |       |       |       |     0.00
39.833    0.00    0.00      0.000  O       |       |       |       |     0.00
39.917    0.00    0.00      0.000  O       |       |       |       |     0.00

      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =   479
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =       25.221 (CFS)
                  Total volume =       1.829 (Ac.Ft)
            Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ***********************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/27/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRA242.rte
**********HYDROGRAPH DATA**********
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.691 (CFS)
Total volume = 2.243 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN A- ROUTING
2YR-24HR STORM

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.870	0.307	0.313
2.000	0.660	1.860	0.654	0.666
2.650	0.920	2.240	0.912	0.928
3.000	1.070	36.900	0.943	1.197
3.500	1.300	133.130	0.842	1.758
4.000	1.900	264.030	0.991	2.809

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.9	1.85	2.77	3.69	Depth (Ft.)
0.083	0.12	0.00	0.000	OI	|	|	|	|	0.00
0.167	0.20	0.00	0.002	OI	|	|	|	|	0.00
0.250	0.22	0.01	0.003	OI	|	|	|	|	0.01
0.333	0.28	0.01	0.005	O I	|	|	|	|	0.01
0.417	0.32	0.02	0.007	O I	|	|	|	|	0.02
0.500	0.33	0.02	0.009	O I	|	|	|	|	0.03

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0.583    0.33    0.03      0.011  O I     |       |       |       |     0.03
0.667    0.33    0.04      0.013  O I     |       |       |       |     0.04
0.750    0.33    0.04      0.015  O I     |       |       |       |     0.05
0.833    0.39    0.05      0.017  O  I    |       |       |       |     0.05
0.917    0.43    0.05      0.019  O  I    |       |       |       |     0.06
1.000    0.43    0.06      0.022  O  I    |       |       |       |     0.07
1.083    0.37    0.07      0.024  O  I    |       |       |       |     0.08
1.167    0.33    0.07      0.026  O I     |       |       |       |     0.08
1.250    0.33    0.08      0.028  O I     |       |       |       |     0.09
1.333    0.33    0.08      0.030  O I     |       |       |       |     0.10
1.417    0.33    0.09      0.031  O I     |       |       |       |     0.10
1.500    0.33    0.09      0.033  O I     |       |       |       |     0.11
1.583    0.33    0.10      0.034  O I     |       |       |       |     0.11
1.667    0.33    0.10      0.036  O I     |       |       |       |     0.12
1.750    0.33    0.11      0.038  O I     |       |       |       |     0.12
1.833    0.39    0.11      0.039  O  I    |       |       |       |     0.13
1.917    0.43    0.12      0.041  |O I    |       |       |       |     0.13
2.000    0.43    0.12      0.043  |O I    |       |       |       |     0.14
2.083    0.43    0.13      0.046  |O I    |       |       |       |     0.15
2.167    0.43    0.13      0.048  |O I    |       |       |       |     0.15
2.250    0.43    0.14      0.050  |O I    |       |       |       |     0.16
2.333    0.43    0.15      0.052  |O I    |       |       |       |     0.17
2.417    0.43    0.15      0.054  |O I    |       |       |       |     0.17
2.500    0.43    0.16      0.056  |O I    |       |       |       |     0.18
2.583    0.50    0.16      0.058  |O  I   |       |       |       |     0.19
2.667    0.54    0.17      0.060  |O  I   |       |       |       |     0.19
2.750    0.54    0.18      0.063  |O  I   |       |       |       |     0.20
2.833    0.54    0.18      0.065  |O  I   |       |       |       |     0.21
2.917    0.54    0.19      0.068  |O  I   |       |       |       |     0.22
3.000    0.54    0.20      0.070  |O  I   |       |       |       |     0.23
3.083    0.54    0.20      0.072  |O  I   |       |       |       |     0.23
3.167    0.54    0.21      0.075  |O  I   |       |       |       |     0.24
3.250    0.54    0.22      0.077  |O  I   |       |       |       |     0.25
3.333    0.54    0.22      0.079  |O  I   |       |       |       |     0.26
3.417    0.54    0.23      0.081  |O  I   |       |       |       |     0.26
3.500    0.54    0.23      0.084  | O I   |       |       |       |     0.27
3.583    0.54    0.24      0.086  | O I   |       |       |       |     0.28
3.667    0.54    0.25      0.088  | O I   |       |       |       |     0.28
3.750    0.54    0.25      0.090  | O I   |       |       |       |     0.29
3.833    0.60    0.26      0.092  | O  I  |       |       |       |     0.30
3.917    0.64    0.27      0.094  | O  I  |       |       |       |     0.30
4.000    0.65    0.27      0.097  | O  I  |       |       |       |     0.31
4.083    0.65    0.28      0.100  | O  I  |       |       |       |     0.32
4.167    0.65    0.29      0.102  | O  I  |       |       |       |     0.33
4.250    0.65    0.29      0.105  | O  I  |       |       |       |     0.34
4.333    0.71    0.30      0.107  | O   I |       |       |       |     0.35
4.417    0.75    0.31      0.110  | O   I |       |       |       |     0.36
4.500    0.76    0.32      0.113  | O   I |       |       |       |     0.37
4.583    0.76    0.33      0.116  | O   I |       |       |       |     0.38
4.667    0.76    0.33      0.119  | O   I |       |       |       |     0.38
4.750    0.76    0.34      0.122  | O   I |       |       |       |     0.39
4.833    0.82    0.35      0.125  |  O   I|       |       |       |     0.40
4.917    0.86    0.36      0.129  |  O   I|       |       |       |     0.41
5.000    0.87    0.37      0.132  |  O   I|       |       |       |     0.43
5.083    0.74    0.38      0.135  |  O  I |       |       |       |     0.44
5.167    0.66    0.39      0.137  |  O I  |       |       |       |     0.44
5.250    0.65    0.39      0.139  |  O I  |       |       |       |     0.45
5.333    0.71    0.40      0.141  |  O  I |       |       |       |     0.46
5.417    0.75    0.40      0.143  |  O  I |       |       |       |     0.46
5.500    0.76    0.41      0.146  |  O  I |       |       |       |     0.47
5.583    0.82    0.42      0.148  |  O   I|       |       |       |     0.48
5.667    0.86    0.42      0.151  |  O   I|       |       |       |     0.49
5.750    0.87    0.43      0.154  |  O   I|       |       |       |     0.50
5.833    0.87    0.44      0.157  |  O   I|       |       |       |     0.51
5.917    0.87    0.45      0.160  |  O   I|       |       |       |     0.52
6.000    0.87    0.46      0.163  |  O   I|       |       |       |     0.53
6.083    0.93    0.47      0.166  |   O   I       |       |       |     0.54
6.167    0.97    0.48      0.169  |   O   I       |       |       |     0.55
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 6.250    0.98    0.48      0.173  |   O   I       |       |       |     0.56
 6.333    0.98    0.49      0.176  |   O   I       |       |       |     0.57
 6.417    0.98    0.50      0.179  |   O   I       |       |       |     0.58
 6.500    0.98    0.51      0.183  |   O   I       |       |       |     0.59
 6.583    1.04    0.52      0.186  |   O   |I      |       |       |     0.60
 6.667    1.08    0.53      0.190  |   O   |I      |       |       |     0.61
 6.750    1.09    0.54      0.193  |   O   |I      |       |       |     0.62
 6.833    1.09    0.55      0.197  |   O   |I      |       |       |     0.64
 6.917    1.09    0.56      0.201  |   O   |I      |       |       |     0.65
 7.000    1.09    0.57      0.204  |   O   |I      |       |       |     0.66
 7.083    1.09    0.58      0.208  |    O  |I      |       |       |     0.67
 7.167    1.09    0.59      0.211  |    O  |I      |       |       |     0.68
 7.250    1.09    0.60      0.215  |    O  |I      |       |       |     0.69
 7.333    1.15    0.61      0.218  |    O  |I      |       |       |     0.70
 7.417    1.19    0.62      0.222  |    O  | I     |       |       |     0.72
 7.500    1.19    0.63      0.226  |    O  | I     |       |       |     0.73
 7.583    1.26    0.64      0.230  |    O  | I     |       |       |     0.74
 7.667    1.30    0.66      0.234  |    O  |  I    |       |       |     0.76
 7.750    1.30    0.67      0.239  |    O  |  I    |       |       |     0.77
 7.833    1.36    0.68      0.243  |    O  |  I    |       |       |     0.78
 7.917    1.40    0.70      0.248  |     O |   I   |       |       |     0.80
 8.000    1.41    0.71      0.253  |     O |   I   |       |       |     0.82
 8.083    1.54    0.72      0.258  |     O |    I  |       |       |     0.83
 8.167    1.62    0.74      0.264  |     O |     I |       |       |     0.85
 8.250    1.63    0.76      0.270  |     O |     I |       |       |     0.87
 8.333    1.63    0.77      0.276  |     O |     I |       |       |     0.89
 8.417    1.63    0.79      0.282  |     O |     I |       |       |     0.91
 8.500    1.63    0.81      0.287  |     O |     I |       |       |     0.93
 8.583    1.69    0.82      0.293  |      O|     I |       |       |     0.95
 8.667    1.73    0.84      0.299  |      O|      I|       |       |     0.96
 8.750    1.74    0.86      0.305  |      O|      I|       |       |     0.98
 8.833    1.80    0.87      0.311  |      O|      I|       |       |     1.00
 8.917    1.84    0.89      0.318  |      O|      I|       |       |     1.02
 9.000    1.85    0.91      0.324  |      O|       I       |       |     1.04
 9.083    1.97    0.93      0.331  |       O       |I      |       |     1.06
 9.167    2.05    0.95      0.339  |       O       |I      |       |     1.08
 9.250    2.06    0.97      0.346  |       O       |I      |       |     1.10
 9.333    2.12    0.99      0.354  |       O       | I     |       |     1.12
 9.417    2.16    1.02      0.362  |       O       | I     |       |     1.15
 9.500    2.17    1.04      0.369  |       O       | I     |       |     1.17
 9.583    2.23    1.06      0.377  |       |O      |  I    |       |     1.19
 9.667    2.27    1.08      0.386  |       |O      |  I    |       |     1.22
 9.750    2.28    1.11      0.394  |       |O      |  I    |       |     1.24
 9.833    2.34    1.13      0.402  |       |O      |   I   |       |     1.26
 9.917    2.38    1.15      0.410  |       | O     |   I   |       |     1.29
10.000    2.39    1.18      0.419  |       | O     |   I   |       |     1.31
10.083    1.95    1.20      0.425  |       | O     I       |       |     1.33
10.167    1.67    1.21      0.430  |       | O   I |       |       |     1.34
10.250    1.63    1.22      0.433  |       | O   I |       |       |     1.35
10.333    1.63    1.22      0.435  |       | O   I |       |       |     1.36
10.417    1.63    1.23      0.438  |       | O   I |       |       |     1.37
10.500    1.63    1.24      0.441  |       | O   I |       |       |     1.37
10.583    1.94    1.25      0.445  |       | O     I       |       |     1.38
10.667    2.14    1.27      0.450  |       | O     | I     |       |     1.40
10.750    2.17    1.28      0.456  |       |  O    | I     |       |     1.42
10.833    2.17    1.30      0.462  |       |  O    | I     |       |     1.43
10.917    2.17    1.32      0.468  |       |  O    | I     |       |     1.45
11.000    2.17    1.33      0.474  |       |  O    | I     |       |     1.47
11.083    2.11    1.35      0.479  |       |  O    | I     |       |     1.48
11.167    2.07    1.36      0.484  |       |  O    |I      |       |     1.50
11.250    2.06    1.38      0.489  |       |  O    |I      |       |     1.51
11.333    2.06    1.39      0.494  |       |   O   |I      |       |     1.53
11.417    2.06    1.40      0.499  |       |   O   |I      |       |     1.54
11.500    2.06    1.42      0.503  |       |   O   |I      |       |     1.55
11.583    1.94    1.43      0.507  |       |   O   I       |       |     1.56
11.667    1.86    1.44      0.510  |       |   O   I       |       |     1.57
11.750    1.85    1.44      0.513  |       |   O   I       |       |     1.58
11.833    1.91    1.45      0.516  |       |   O   I       |       |     1.59
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11.917	1.95	1.46	0.519	|	| O I |	|	1.60
12.000	1.95	1.47	0.523	|	| O I |	|	1.61
12.083	2.39	1.48	0.527	|	| O | I |	|	1.62
12.167	2.67	1.50	0.534	|	| O | I|	|	1.64
12.250	2.71	1.53	0.543	|	| O | I|	|	1.66
12.333	2.78	1.55	0.551	|	| O | I |	|	1.69
12.417	2.82	1.58	0.559	|	| O | I |	|	1.71
12.500	2.82	1.60	0.568	|	| O | I |	|	1.74
12.583	2.95	1.62	0.577	|	| O | |I |	|	1.76
12.667	3.03	1.65	0.586	|	| O | | I |	|	1.79
12.750	3.04	1.68	0.595	|	| O | | I |	|	1.82
12.833	3.10	1.70	0.605	|	| O | | I |	|	1.84
12.917	3.14	1.73	0.615	|	| O| | I |	|	1.87
13.000	3.15	1.76	0.624	|	| O| | I |	|	1.90
13.083	3.46	1.79	0.635	|	| O| | I |	|	1.93
13.167	3.66	1.82	0.647	|	| O| | I |	|	1.96
13.250	3.69	1.86	0.659	|	| O | I |	|	2.00
13.333	3.69	1.88	0.672	|	| O | I |	|	2.03
13.417	3.69	1.90	0.684	|	| O | I |	|	2.06
13.500	3.69	1.91	0.697	|	| O | I |	|	2.09
13.583	3.01	1.93	0.707	|	| O | | I |	|	2.12
13.667	2.57	1.94	0.712	|	| O | I |	|	2.13
13.750	2.50	1.94	0.717	|	| O | I |	|	2.14
13.833	2.50	1.95	0.720	|	| O | I |	|	2.15
13.917	2.50	1.95	0.724	|	| O | I |	|	2.16
14.000	2.50	1.96	0.728	|	| O | I |	|	2.17
14.083	2.75	1.97	0.732	|	| |O | I|	|	2.18
14.167	2.91	1.97	0.738	|	| |O | |I |	|	2.20
14.250	2.93	1.98	0.745	|	| |O | |I |	|	2.21
14.333	2.87	1.99	0.751	|	| |O | I |	|	2.23
14.417	2.83	2.00	0.757	|	| |O | I |	|	2.24
14.500	2.82	2.01	0.762	|	| |O | I |	|	2.26
14.583	2.82	2.02	0.768	|	| |O | I |	|	2.27
14.667	2.82	2.03	0.774	|	| |O | I |	|	2.28
14.750	2.82	2.03	0.779	|	| |O | I |	|	2.30
14.833	2.76	2.04	0.784	|	| |O | I|	|	2.31
14.917	2.72	2.05	0.789	|	| |O | I|	|	2.32
15.000	2.71	2.06	0.794	|	| |O | I|	|	2.33
15.083	2.65	2.06	0.798	|	| |O | I |	|	2.34
15.167	2.61	2.07	0.802	|	| |O | I |	|	2.35
15.250	2.61	2.07	0.806	|	| |O | I |	|	2.36
15.333	2.54	2.08	0.809	|	| | O | I |	|	2.37
15.417	2.50	2.08	0.812	|	| | O | I |	|	2.38
15.500	2.50	2.09	0.815	|	| | O | I |	|	2.39
15.583	**2.25**	**2.09**	**0.817**	**|**	**|**	**| OI |**	**|**	**2.39**
15.667	2.09	2.09	0.817	|	| | O |	|	2.39
15.750	2.06	2.09	0.817	|	| |IO |	|	2.39
15.833	2.06	2.09	0.817	|	| |IO |	|	2.39
15.917	2.06	2.09	0.817	|	| |IO |	|	2.39
16.000	2.06	2.09	0.817	|	| |IO |	|	2.39
16.083	1.13	2.08	0.813	|	|I | O |	|	2.38
16.167	0.53	2.07	0.805	| I |	| |O |	|	2.36
16.250	0.43	2.06	0.794	| I |	| |O |	|	2.33
16.333	0.43	2.04	0.783	| I |	| |O |	|	2.31
16.417	0.43	2.02	0.772	| I |	| |O |	|	2.28
16.500	0.43	2.01	0.761	| I |	| |O |	|	2.25
16.583	0.37	1.99	0.750	| I |	| |O |	|	2.22
16.667	0.33	1.98	0.739	| I |	| |O |	|	2.20
16.750	0.33	1.96	0.727	| I |	| O |	|	2.17
16.833	0.33	1.94	0.716	| I |	| O |	|	2.14
16.917	0.33	1.93	0.705	| I |	| O |	|	2.11
17.000	0.33	1.91	0.694	| I |	| O |	|	2.09
17.083	0.45	1.89	0.684	| I |	| O |	|	2.06
17.167	0.53	1.88	0.674	| I |	| O |	|	2.04
17.250	0.54	1.87	0.665	| I |	| O |	|	2.01
17.333	0.54	1.85	0.656	| I |	| O |	|	1.99
17.417	0.54	1.82	0.647	| I |	| O|	|	1.96
17.500	0.54	1.80	0.638	| I |	| O|	|	1.94

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17.583    0.54    1.77      0.630  |   I   |      O|       |       |     1.91
17.667    0.54    1.75      0.621  |   I   |      O|       |       |     1.89
17.750    0.54    1.73      0.613  |   I   |     O |       |       |     1.87
17.833    0.48    1.70      0.605  |   I   |     O |       |       |     1.84
17.917    0.44    1.68      0.596  |  I    |     O |       |       |     1.82
18.000    0.43    1.66      0.588  |  I    |     O |       |       |     1.79
18.083    0.43    1.63      0.579  |  I    |     O |       |       |     1.77
18.167    0.43    1.61      0.571  |  I    |    O  |       |       |     1.75
18.250    0.43    1.59      0.563  |  I    |    O  |       |       |     1.72
18.333    0.43    1.56      0.555  |  I    |    O  |       |       |     1.70
18.417    0.43    1.54      0.548  |  I    |    O  |       |       |     1.68
18.500    0.43    1.52      0.540  |  I    |    O  |       |       |     1.66
18.583    0.37    1.50      0.533  |  I    |   O   |       |       |     1.64
18.667    0.33    1.48      0.525  | I     |   O   |       |       |     1.61
18.750    0.33    1.46      0.517  | I     |   O   |       |       |     1.59
18.833    0.26    1.43      0.509  | I     |   O   |       |       |     1.57
18.917    0.22    1.41      0.501  |I      |   O   |       |       |     1.55
19.000    0.22    1.39      0.493  |I      |   O   |       |       |     1.52
19.083    0.28    1.36      0.485  | I     |  O    |       |       |     1.50
19.167    0.32    1.34      0.478  | I     |  O    |       |       |     1.48
19.250    0.33    1.32      0.471  | I     |  O    |       |       |     1.46
19.333    0.39    1.31      0.464  |  I    |  O    |       |       |     1.44
19.417    0.43    1.29      0.458  |  I    |  O    |       |       |     1.42
19.500    0.43    1.27      0.452  |  I    |  O    |       |       |     1.41
19.583    0.37    1.26      0.446  |  I    | O     |       |       |     1.39
19.667    0.33    1.24      0.440  | I     | O     |       |       |     1.37
19.750    0.33    1.22      0.434  | I     | O     |       |       |     1.35
19.833    0.26    1.20      0.428  | I     | O     |       |       |     1.34
19.917    0.22    1.18      0.421  |I      | O     |       |       |     1.32
20.000    0.22    1.17      0.414  |I      | O     |       |       |     1.30
20.083    0.28    1.15      0.408  | I     |O      |       |       |     1.28
20.167    0.32    1.13      0.402  | I     |O      |       |       |     1.26
20.250    0.33    1.12      0.397  | I     |O      |       |       |     1.25
20.333    0.33    1.10      0.391  | I     |O      |       |       |     1.23
20.417    0.33    1.09      0.386  | I     |O      |       |       |     1.22
20.500    0.33    1.07      0.381  | I     |O      |       |       |     1.20
20.583    0.33    1.06      0.376  | I     |O      |       |       |     1.19
20.667    0.33    1.04      0.371  | I     |O      |       |       |     1.17
20.750    0.33    1.03      0.366  | I     O       |       |       |     1.16
20.833    0.26    1.01      0.361  | I     O       |       |       |     1.15
20.917    0.22    1.00      0.356  |I      O       |       |       |     1.13
21.000    0.22    0.98      0.350  |I      O       |       |       |     1.12
21.083    0.28    0.97      0.345  | I     O       |       |       |     1.10
21.167    0.32    0.96      0.341  | I     O       |       |       |     1.09
21.250    0.33    0.95      0.337  | I     O       |       |       |     1.08
21.333    0.26    0.93      0.332  | I     O       |       |       |     1.06
21.417    0.22    0.92      0.327  |I     O|       |       |       |     1.05
21.500    0.22    0.91      0.323  |I     O|       |       |       |     1.04
21.583    0.28    0.89      0.318  | I    O|       |       |       |     1.02
21.667    0.32    0.88      0.314  | I    O|       |       |       |     1.01
21.750    0.33    0.87      0.310  | I    O|       |       |       |     1.00
21.833    0.26    0.86      0.306  | I    O|       |       |       |     0.99
21.917    0.22    0.85      0.302  |I     O|       |       |       |     0.97
22.000    0.22    0.84      0.298  |I     O|       |       |       |     0.96
22.083    0.28    0.82      0.294  | I    O|       |       |       |     0.95
22.167    0.32    0.81      0.290  | I    O|       |       |       |     0.94
22.250    0.33    0.81      0.287  | I   O |       |       |       |     0.93
22.333    0.26    0.80      0.283  | I   O |       |       |       |     0.91
22.417    0.22    0.78      0.280  |I    O |       |       |       |     0.90
22.500    0.22    0.77      0.276  |I    O |       |       |       |     0.89
22.583    0.22    0.76      0.272  |I    O |       |       |       |     0.88
22.667    0.22    0.75      0.268  |I    O |       |       |       |     0.87
22.750    0.22    0.74      0.265  |I    O |       |       |       |     0.85
22.833    0.22    0.73      0.261  |I    O |       |       |       |     0.84
22.917    0.22    0.72      0.258  |I    O |       |       |       |     0.83
23.000    0.22    0.71      0.254  |I    O |       |       |       |     0.82
23.083    0.22    0.70      0.251  |I    O |       |       |       |     0.81
23.167    0.22    0.69      0.247  |I    O |       |       |       |     0.80
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23.250	0.22	0.69	0.244	|I O |	|	|	|	0.79
23.333	0.22	0.68	0.241	|I O |	|	|	|	0.78
23.417	0.22	0.67	0.238	|I O |	|	|	|	0.77
23.500	0.22	0.66	0.235	|I O |	|	|	|	0.76
23.583	0.22	0.65	0.232	|I O |	|	|	|	0.75
23.667	0.22	0.64	0.229	|I O |	|	|	|	0.74
23.750	0.22	0.63	0.226	|I O |	|	|	|	0.73
23.833	0.22	0.63	0.223	|I O |	|	|	|	0.72
23.917	0.22	0.62	0.220	|I O |	|	|	|	0.71
24.000	0.22	0.61	0.218	|I O |	|	|	|	0.70
24.083	0.09	0.60	0.214	I O |	|	|	|	0.69
24.167	0.01	0.59	0.211	I O |	|	|	|	0.68
24.250	0.00	0.58	0.207	I O |	|	|	|	0.67
24.333	0.00	0.57	0.203	I O |	|	|	|	0.65
24.417	0.00	0.56	0.199	I O |	|	|	|	0.64
24.500	0.00	0.55	0.195	I O |	|	|	|	0.63
24.583	0.00	0.54	0.191	I O |	|	|	|	0.62
24.667	0.00	0.53	0.188	I O |	|	|	|	0.61
24.750	0.00	0.52	0.184	I O |	|	|	|	0.59
24.833	0.00	0.51	0.181	I O |	|	|	|	0.58
24.917	0.00	0.50	0.177	I O |	|	|	|	0.57
25.000	0.00	0.49	0.174	I O |	|	|	|	0.56
25.083	0.00	0.48	0.170	I O |	|	|	|	0.55
25.167	0.00	0.47	0.167	I O |	|	|	|	0.54
25.250	0.00	0.46	0.164	I O |	|	|	|	0.53
25.333	0.00	0.45	0.161	I O |	|	|	|	0.52
25.417	0.00	0.44	0.158	I O |	|	|	|	0.51
25.500	0.00	0.43	0.155	I O |	|	|	|	0.50
25.583	0.00	0.43	0.152	I O |	|	|	|	0.49
25.667	0.00	0.42	0.149	I O |	|	|	|	0.48
25.750	0.00	0.41	0.146	I O |	|	|	|	0.47
25.833	0.00	0.40	0.143	I O |	|	|	|	0.46
25.917	0.00	0.39	0.140	I O |	|	|	|	0.45
26.000	0.00	0.39	0.138	I O |	|	|	|	0.44
26.083	0.00	0.38	0.135	I O |	|	|	|	0.44
26.167	0.00	0.37	0.133	I O |	|	|	|	0.43
26.250	0.00	0.36	0.130	I O |	|	|	|	0.42
26.333	0.00	0.36	0.127	I O |	|	|	|	0.41
26.417	0.00	0.35	0.125	I O |	|	|	|	0.40
26.500	0.00	0.34	0.123	I O |	|	|	|	0.40
26.583	0.00	0.34	0.120	I O |	|	|	|	0.39
26.667	0.00	0.33	0.118	I O |	|	|	|	0.38
26.750	0.00	0.32	0.116	I O |	|	|	|	0.37
26.833	0.00	0.32	0.114	I O |	|	|	|	0.37
26.917	0.00	0.31	0.111	I O |	|	|	|	0.36
27.000	0.00	0.31	0.109	I O |	|	|	|	0.35
27.083	0.00	0.30	0.107	I O |	|	|	|	0.35
27.167	0.00	0.29	0.105	I O |	|	|	|	0.34
27.250	0.00	0.29	0.103	I O |	|	|	|	0.33
27.333	0.00	0.28	0.101	I O |	|	|	|	0.33
27.417	0.00	0.28	0.099	I O |	|	|	|	0.32
27.500	0.00	0.27	0.097	I O |	|	|	|	0.31
27.583	0.00	0.27	0.095	I O |	|	|	|	0.31
27.667	0.00	0.26	0.094	I O |	|	|	|	0.30
27.750	0.00	0.26	0.092	I O |	|	|	|	0.30
27.833	0.00	0.25	0.090	I O |	|	|	|	0.29
27.917	0.00	0.25	0.088	I O |	|	|	|	0.28
28.000	0.00	0.24	0.087	I O |	|	|	|	0.28
28.083	0.00	0.24	0.085	I O |	|	|	|	0.27
28.167	0.00	0.23	0.083	I O |	|	|	|	0.27
28.250	0.00	0.23	0.082	IO |	|	|	|	0.26
28.333	0.00	0.22	0.080	IO |	|	|	|	0.26
28.417	0.00	0.22	0.079	IO |	|	|	|	0.25
28.500	0.00	0.22	0.077	IO |	|	|	|	0.25
28.583	0.00	0.21	0.076	IO |	|	|	|	0.24
28.667	0.00	0.21	0.074	IO |	|	|	|	0.24
28.750	0.00	0.20	0.073	IO |	|	|	|	0.23
28.833	0.00	0.20	0.071	IO |	|	|	|	0.23

28.917	0.00	0.20	0.070	IO				0.23
29.000	0.00	0.19	0.069	IO				0.22
29.083	0.00	0.19	0.067	IO				0.22
29.167	0.00	0.19	0.066	IO				0.21
29.250	0.00	0.18	0.065	IO				0.21
29.333	0.00	0.18	0.064	IO				0.21
29.417	0.00	0.17	0.062	IO				0.20
29.500	0.00	0.17	0.061	IO				0.20
29.583	0.00	0.17	0.060	IO				0.19
29.667	0.00	0.17	0.059	IO				0.19
29.750	0.00	0.16	0.058	IO				0.19
29.833	0.00	0.16	0.057	IO				0.18
29.917	0.00	0.16	0.056	IO				0.18
30.000	0.00	0.15	0.054	IO				0.18
30.083	0.00	0.15	0.053	IO				0.17
30.167	0.00	0.15	0.052	IO				0.17
30.250	0.00	0.14	0.051	IO				0.17
30.333	0.00	0.14	0.050	IO				0.16
30.417	0.00	0.14	0.049	IO				0.16
30.500	0.00	0.14	0.048	IO				0.16
30.583	0.00	0.13	0.048	IO				0.15
30.667	0.00	0.13	0.047	IO				0.15
30.750	0.00	0.13	0.046	IO				0.15
30.833	0.00	0.13	0.045	IO				0.14
30.917	0.00	0.12	0.044	IO				0.14
31.000	0.00	0.12	0.043	IO				0.14
31.083	0.00	0.12	0.042	IO				0.14
31.167	0.00	0.12	0.042	IO				0.13
31.250	0.00	0.11	0.041	O				0.13
31.333	0.00	0.11	0.040	O				0.13
31.417	0.00	0.11	0.039	O				0.13
31.500	0.00	0.11	0.038	O				0.12
31.583	0.00	0.11	0.038	O				0.12
31.667	0.00	0.10	0.037	O				0.12
31.750	0.00	0.10	0.036	O				0.12
31.833	0.00	0.10	0.036	O				0.11
31.917	0.00	0.10	0.035	O				0.11
32.000	0.00	0.10	0.034	O				0.11
32.083	0.00	0.09	0.034	O				0.11
32.167	0.00	0.09	0.033	O				0.11
32.250	0.00	0.09	0.032	O				0.10
32.333	0.00	0.09	0.032	O				0.10
32.417	0.00	0.09	0.031	O				0.10
32.500	0.00	0.09	0.030	O				0.10
32.583	0.00	0.08	0.030	O				0.10
32.667	0.00	0.08	0.029	O				0.09
32.750	0.00	0.08	0.029	O				0.09
32.833	0.00	0.08	0.028	O				0.09
32.917	0.00	0.08	0.028	O				0.09
33.000	0.00	0.08	0.027	O				0.09
33.083	0.00	0.07	0.027	O				0.09
33.167	0.00	0.07	0.026	O				0.08
33.250	0.00	0.07	0.026	O				0.08
33.333	0.00	0.07	0.025	O				0.08
33.417	0.00	0.07	0.025	O				0.08
33.500	0.00	0.07	0.024	O				0.08
33.583	0.00	0.07	0.024	O				0.08
33.667	0.00	0.07	0.023	O				0.08
33.750	0.00	0.06	0.023	O				0.07
33.833	0.00	0.06	0.022	O				0.07
33.917	0.00	0.06	0.022	O				0.07
34.000	0.00	0.06	0.022	O				0.07
34.083	0.00	0.06	0.021	O				0.07
34.167	0.00	0.06	0.021	O				0.07
34.250	0.00	0.06	0.020	O				0.07
34.333	0.00	0.06	0.020	O				0.06
34.417	0.00	0.05	0.020	O				0.06
34.500	0.00	0.05	0.019	O				0.06

34.583	0.00	0.05	0.019	O	|	|	|	|	0.06
34.667	0.00	0.05	0.018	O	|	|	|	|	0.06
34.750	0.00	0.05	0.018	O	|	|	|	|	0.06
34.833	0.00	0.05	0.018	O	|	|	|	|	0.06
34.917	0.00	0.05	0.017	O	|	|	|	|	0.06
35.000	0.00	0.05	0.017	O	|	|	|	|	0.06
35.083	0.00	0.05	0.017	O	|	|	|	|	0.05
35.167	0.00	0.05	0.016	O	|	|	|	|	0.05
35.250	0.00	0.05	0.016	O	|	|	|	|	0.05
35.333	0.00	0.04	0.016	O	|	|	|	|	0.05
35.417	0.00	0.04	0.016	O	|	|	|	|	0.05
35.500	0.00	0.04	0.015	O	|	|	|	|	0.05
35.583	0.00	0.04	0.015	O	|	|	|	|	0.05
35.667	0.00	0.04	0.015	O	|	|	|	|	0.05
35.750	0.00	0.04	0.014	O	|	|	|	|	0.05
35.833	0.00	0.04	0.014	O	|	|	|	|	0.05
35.917	0.00	0.04	0.014	O	|	|	|	|	0.04
36.000	0.00	0.04	0.014	O	|	|	|	|	0.04
36.083	0.00	0.04	0.013	O	|	|	|	|	0.04
36.167	0.00	0.04	0.013	O	|	|	|	|	0.04
36.250	0.00	0.04	0.013	O	|	|	|	|	0.04
36.333	0.00	0.04	0.013	O	|	|	|	|	0.04
36.417	0.00	0.03	0.012	O	|	|	|	|	0.04
36.500	0.00	0.03	0.012	O	|	|	|	|	0.04
36.583	0.00	0.03	0.012	O	|	|	|	|	0.04
36.667	0.00	0.03	0.012	O	|	|	|	|	0.04
36.750	0.00	0.03	0.011	O	|	|	|	|	0.04
36.833	0.00	0.03	0.011	O	|	|	|	|	0.04
36.917	0.00	0.03	0.011	O	|	|	|	|	0.04
37.000	0.00	0.03	0.011	O	|	|	|	|	0.03
37.083	0.00	0.03	0.011	O	|	|	|	|	0.03
37.167	0.00	0.03	0.010	O	|	|	|	|	0.03
37.250	0.00	0.03	0.010	O	|	|	|	|	0.03
37.333	0.00	0.03	0.010	O	|	|	|	|	0.03
37.417	0.00	0.03	0.010	O	|	|	|	|	0.03
37.500	0.00	0.03	0.010	O	|	|	|	|	0.03
37.583	0.00	0.03	0.009	O	|	|	|	|	0.03
37.667	0.00	0.03	0.009	O	|	|	|	|	0.03
37.750	0.00	0.03	0.009	O	|	|	|	|	0.03
37.833	0.00	0.02	0.009	O	|	|	|	|	0.03
37.917	0.00	0.02	0.009	O	|	|	|	|	0.03
38.000	0.00	0.02	0.009	O	|	|	|	|	0.03
38.083	0.00	0.02	0.008	O	|	|	|	|	0.03
38.167	0.00	0.02	0.008	O	|	|	|	|	0.03
38.250	0.00	0.02	0.008	O	|	|	|	|	0.03
38.333	0.00	0.02	0.008	O	|	|	|	|	0.03
38.417	0.00	0.02	0.008	O	|	|	|	|	0.02
38.500	0.00	0.02	0.008	O	|	|	|	|	0.02
38.583	0.00	0.02	0.007	O	|	|	|	|	0.02
38.667	0.00	0.02	0.007	O	|	|	|	|	0.02
38.750	0.00	0.02	0.007	O	|	|	|	|	0.02
38.833	0.00	0.02	0.007	O	|	|	|	|	0.02
38.917	0.00	0.02	0.007	O	|	|	|	|	0.02
39.000	0.00	0.02	0.007	O	|	|	|	|	0.02
39.083	0.00	0.02	0.007	O	|	|	|	|	0.02
39.167	0.00	0.02	0.006	O	|	|	|	|	0.02
39.250	0.00	0.02	0.006	O	|	|	|	|	0.02
39.333	0.00	0.02	0.006	O	|	|	|	|	0.02
39.417	0.00	0.02	0.006	O	|	|	|	|	0.02
39.500	0.00	0.02	0.006	O	|	|	|	|	0.02
39.583	0.00	0.02	0.006	O	|	|	|	|	0.02
39.667	0.00	0.02	0.006	O	|	|	|	|	0.02
39.750	0.00	0.02	0.006	O	|	|	|	|	0.02
39.833	0.00	0.02	0.006	O	|	|	|	|	0.02
39.917	0.00	0.02	0.005	O	|	|	|	|	0.02
40.000	0.00	0.02	0.005	O	|	|	|	|	0.02
40.083	0.00	0.01	0.005	O	|	|	|	|	0.02
40.167	0.00	0.01	0.005	O	|	|	|	|	0.02

40.250	0.00	0.01	0.005	O	|	|	|	|	0.02
40.333	0.00	0.01	0.005	O	|	|	|	|	0.02
40.417	0.00	0.01	0.005	O	|	|	|	|	0.02
40.500	0.00	0.01	0.005	O	|	|	|	|	0.02
40.583	0.00	0.01	0.005	O	|	|	|	|	0.02
40.667	0.00	0.01	0.005	O	|	|	|	|	0.01
40.750	0.00	0.01	0.004	O	|	|	|	|	0.01
40.833	0.00	0.01	0.004	O	|	|	|	|	0.01
40.917	0.00	0.01	0.004	O	|	|	|	|	0.01
41.000	0.00	0.01	0.004	O	|	|	|	|	0.01
41.083	0.00	0.01	0.004	O	|	|	|	|	0.01
41.167	0.00	0.01	0.004	O	|	|	|	|	0.01
41.250	0.00	0.01	0.004	O	|	|	|	|	0.01
41.333	0.00	0.01	0.004	O	|	|	|	|	0.01
41.417	0.00	0.01	0.004	O	|	|	|	|	0.01
41.500	0.00	0.01	0.004	O	|	|	|	|	0.01
41.583	0.00	0.01	0.004	O	|	|	|	|	0.01
41.667	0.00	0.01	0.004	O	|	|	|	|	0.01
41.750	0.00	0.01	0.004	O	|	|	|	|	0.01
41.833	0.00	0.01	0.004	O	|	|	|	|	0.01
41.917	0.00	0.01	0.003	O	|	|	|	|	0.01
42.000	0.00	0.01	0.003	O	|	|	|	|	0.01
42.083	0.00	0.01	0.003	O	|	|	|	|	0.01
42.167	0.00	0.01	0.003	O	|	|	|	|	0.01
42.250	0.00	0.01	0.003	O	|	|	|	|	0.01
42.333	0.00	0.01	0.003	O	|	|	|	|	0.01
42.417	0.00	0.01	0.003	O	|	|	|	|	0.01
42.500	0.00	0.01	0.003	O	|	|	|	|	0.01
42.583	0.00	0.01	0.003	O	|	|	|	|	0.01
42.667	0.00	0.01	0.003	O	|	|	|	|	0.01
42.750	0.00	0.01	0.003	O	|	|	|	|	0.01
42.833	0.00	0.01	0.003	O	|	|	|	|	0.01
42.917	0.00	0.01	0.003	O	|	|	|	|	0.01
43.000	0.00	0.01	0.003	O	|	|	|	|	0.01
43.083	0.00	0.01	0.003	O	|	|	|	|	0.01
43.167	0.00	0.01	0.003	O	|	|	|	|	0.01
43.250	0.00	0.01	0.003	O	|	|	|	|	0.01
43.333	0.00	0.01	0.002	O	|	|	|	|	0.01
43.417	0.00	0.01	0.002	O	|	|	|	|	0.01
43.500	0.00	0.01	0.002	O	|	|	|	|	0.01
43.583	0.00	0.01	0.002	O	|	|	|	|	0.01
43.667	0.00	0.01	0.002	O	|	|	|	|	0.01
43.750	0.00	0.01	0.002	O	|	|	|	|	0.01
43.833	0.00	0.01	0.002	O	|	|	|	|	0.01
43.917	0.00	0.01	0.002	O	|	|	|	|	0.01
44.000	0.00	0.01	0.002	O	|	|	|	|	0.01
44.083	0.00	0.01	0.002	O	|	|	|	|	0.01
44.167	0.00	0.01	0.002	O	|	|	|	|	0.01
44.250	0.00	0.01	0.002	O	|	|	|	|	0.01
44.333	0.00	0.01	0.002	O	|	|	|	|	0.01
44.417	0.00	0.01	0.002	O	|	|	|	|	0.01
44.500	0.00	0.01	0.002	O	|	|	|	|	0.01
44.583	0.00	0.01	0.002	O	|	|	|	|	0.01
44.667	0.00	0.01	0.002	O	|	|	|	|	0.01
44.750	0.00	0.00	0.002	O	|	|	|	|	0.01
44.833	0.00	0.00	0.002	O	|	|	|	|	0.01
44.917	0.00	0.00	0.002	O	|	|	|	|	0.01
45.000	0.00	0.00	0.002	O	|	|	|	|	0.01
45.083	0.00	0.00	0.002	O	|	|	|	|	0.01
45.167	0.00	0.00	0.002	O	|	|	|	|	0.01
45.250	0.00	0.00	0.002	O	|	|	|	|	0.01
45.333	0.00	0.00	0.002	O	|	|	|	|	0.01
45.417	0.00	0.00	0.002	O	|	|	|	|	0.00
45.500	0.00	0.00	0.001	O	|	|	|	|	0.00
45.583	0.00	0.00	0.001	O	|	|	|	|	0.00
45.667	0.00	0.00	0.001	O	|	|	|	|	0.00
45.750	0.00	0.00	0.001	O	|	|	|	|	0.00
45.833	0.00	0.00	0.001	O	|	|	|	|	0.00

45.917	0.00	0.00	0.001	O	|	|	|	|	0.00
46.000	0.00	0.00	0.001	O	|	|	|	|	0.00
46.083	0.00	0.00	0.001	O	|	|	|	|	0.00
46.167	0.00	0.00	0.001	O	|	|	|	|	0.00
46.250	0.00	0.00	0.001	O	|	|	|	|	0.00
46.333	0.00	0.00	0.001	O	|	|	|	|	0.00
46.417	0.00	0.00	0.001	O	|	|	|	|	0.00
46.500	0.00	0.00	0.001	O	|	|	|	|	0.00
46.583	0.00	0.00	0.001	O	|	|	|	|	0.00
46.667	0.00	0.00	0.001	O	|	|	|	|	0.00
46.750	0.00	0.00	0.001	O	|	|	|	|	0.00
46.833	0.00	0.00	0.001	O	|	|	|	|	0.00
46.917	0.00	0.00	0.001	O	|	|	|	|	0.00
47.000	0.00	0.00	0.001	O	|	|	|	|	0.00
47.083	0.00	0.00	0.001	O	|	|	|	|	0.00
47.167	0.00	0.00	0.001	O	|	|	|	|	0.00
47.250	0.00	0.00	0.001	O	|	|	|	|	0.00
47.333	0.00	0.00	0.001	O	|	|	|	|	0.00
47.417	0.00	0.00	0.001	O	|	|	|	|	0.00
47.500	0.00	0.00	0.001	O	|	|	|	|	0.00
47.583	0.00	0.00	0.001	O	|	|	|	|	0.00
47.667	0.00	0.00	0.001	O	|	|	|	|	0.00
47.750	0.00	0.00	0.001	O	|	|	|	|	0.00
47.833	0.00	0.00	0.001	O	|	|	|	|	0.00
47.917	0.00	0.00	0.001	O	|	|	|	|	0.00
48.000	0.00	0.00	0.001	O	|	|	|	|	0.00
48.083	0.00	0.00	0.001	O	|	|	|	|	0.00
48.167	0.00	0.00	0.001	O	|	|	|	|	0.00
48.250	0.00	0.00	0.001	O	|	|	|	|	0.00
48.333	0.00	0.00	0.001	O	|	|	|	|	0.00
48.417	0.00	0.00	0.001	O	|	|	|	|	0.00
48.500	0.00	0.00	0.001	O	|	|	|	|	0.00
48.583	0.00	0.00	0.001	O	|	|	|	|	0.00
48.667	0.00	0.00	0.001	O	|	|	|	|	0.00
48.750	0.00	0.00	0.001	O	|	|	|	|	0.00
48.833	0.00	0.00	0.001	O	|	|	|	|	0.00
48.917	0.00	0.00	0.001	O	|	|	|	|	0.00
49.000	0.00	0.00	0.001	O	|	|	|	|	0.00
49.083	0.00	0.00	0.001	O	|	|	|	|	0.00
49.167	0.00	0.00	0.001	O	|	|	|	|	0.00
49.250	0.00	0.00	0.001	O	|	|	|	|	0.00
49.333	0.00	0.00	0.001	O	|	|	|	|	0.00
49.417	0.00	0.00	0.001	O	|	|	|	|	0.00
49.500	0.00	0.00	0.001	O	|	|	|	|	0.00
49.583	0.00	0.00	0.001	O	|	|	|	|	0.00
49.667	0.00	0.00	0.001	O	|	|	|	|	0.00
49.750	0.00	0.00	0.001	O	|	|	|	|	0.00
49.833	0.00	0.00	0.001	O	|	|	|	|	0.00
49.917	0.00	0.00	0.001	O	|	|	|	|	0.00
50.000	0.00	0.00	0.001	O	|	|	|	|	0.00
50.083	0.00	0.00	0.001	O	|	|	|	|	0.00
50.167	0.00	0.00	0.001	O	|	|	|	|	0.00
50.250	0.00	0.00	0.000	O	|	|	|	|	0.00
50.333	0.00	0.00	0.000	O	|	|	|	|	0.00
50.417	0.00	0.00	0.000	O	|	|	|	|	0.00
50.500	0.00	0.00	0.000	O	|	|	|	|	0.00
50.583	0.00	0.00	0.000	O	|	|	|	|	0.00
50.667	0.00	0.00	0.000	O	|	|	|	|	0.00
50.750	0.00	0.00	0.000	O	|	|	|	|	0.00
50.833	0.00	0.00	0.000	O	|	|	|	|	0.00
50.917	0.00	0.00	0.000	O	|	|	|	|	0.00
51.000	0.00	0.00	0.000	O	|	|	|	|	0.00
51.083	0.00	0.00	0.000	O	|	|	|	|	0.00
51.167	0.00	0.00	0.000	O	|	|	|	|	0.00
51.250	0.00	0.00	0.000	O	|	|	|	|	0.00
51.333	0.00	0.00	0.000	O	|	|	|	|	0.00
51.417	0.00	0.00	0.000	O	|	|	|	|	0.00
51.500	0.00	0.00	0.000	O	|	|	|	|	0.00

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51.583    0.00    0.00      0.000  O       |       |       |       |     0.00
51.667    0.00    0.00      0.000  O       |       |       |       |     0.00
51.750    0.00    0.00      0.000  O       |       |       |       |     0.00

     ****************************HYDROGRAPH DATA****************************
                 Number of intervals =   621
                 Time interval =    5.0 (Min.)
                 Maximum/Peak flow rate =        2.090 (CFS)
                 Total volume =       2.243 (Ac.Ft)
           Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
           Peak (CFS)      0.000     0.000     0.000     0.000     0.000
           Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
     ***********************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/27/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRA110.rte
**********HYDROGRAPH DATA**********
Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 104.628 (CFS)
Total volume = 2.036 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN A- ROUTING
10YR-1HR STORM

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.870	0.307	0.313
2.000	0.660	1.860	0.654	0.666
2.650	0.920	2.240	0.912	0.928
3.000	1.070	36.900	0.943	1.197
3.500	1.300	133.130	0.842	1.758
4.000	1.900	264.030	0.991	2.809

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 26.2 52.31 78.47 104.63	Depth (Ft.)
0.083	1.95	0.02	0.007	O | | | |	0.02
0.167	3.74	0.07	0.026	OI | | | |	0.08
0.250	4.41	0.15	0.053	OI | | | |	0.17
0.333	4.78	0.23	0.084	OI | | | |	0.27
0.417	5.69	0.33	0.118	OI | | | |	0.38

0.500	9.25	0.47	0.166	O I	|	|	|	|	0.54
0.583	13.13	0.67	0.240	O I	|	|	|	|	0.77
0.667	20.75	0.98	0.350	O I	|	|	|	|	1.12
0.750	40.46	1.56	0.553	O | I	|	|	|	|	1.69
0.833	104.63	17.56	0.986	| O	|	|	|	I	2.80
0.917	**66.85**	**91.62**	**1.201**	**|**	**|**	**I**	**O**	**|**	**3.28**
1.000	17.27	34.05	1.058	| I	O |	|	|	|	2.97
1.083	2.47	12.62	0.965	I O	|	|	|	|	2.75
1.167	0.24	2.63	0.922	O	|	|	|	|	2.65
1.250	0.00	2.22	0.906	O	|	|	|	|	2.61
1.333	0.00	2.20	0.891	O	|	|	|	|	2.58
1.417	0.00	2.18	0.876	O	|	|	|	|	2.54
1.500	0.00	2.15	0.861	O	|	|	|	|	2.50
1.583	0.00	2.13	0.846	O	|	|	|	|	2.46
1.667	0.00	2.11	0.831	O	|	|	|	|	2.43
1.750	0.00	2.09	0.817	O	|	|	|	|	2.39
1.833	0.00	2.07	0.802	O	|	|	|	|	2.36
1.917	0.00	2.05	0.788	O	|	|	|	|	2.32
2.000	0.00	2.03	0.774	O	|	|	|	|	2.29
2.083	0.00	2.01	0.760	O	|	|	|	|	2.25
2.167	0.00	1.99	0.747	O	|	|	|	|	2.22
2.250	0.00	1.97	0.733	O	|	|	|	|	2.18
2.333	0.00	1.95	0.720	O	|	|	|	|	2.15
2.417	0.00	1.93	0.706	O	|	|	|	|	2.12
2.500	0.00	1.91	0.693	O	|	|	|	|	2.08
2.583	0.00	1.89	0.680	O	|	|	|	|	2.05
2.667	0.00	1.87	0.667	O	|	|	|	|	2.02
2.750	0.00	1.84	0.654	O	|	|	|	|	1.98
2.833	0.00	1.81	0.642	O	|	|	|	|	1.95
2.917	0.00	1.77	0.629	O	|	|	|	|	1.91
3.000	0.00	1.74	0.617	O	|	|	|	|	1.88
3.083	0.00	1.71	0.605	O	|	|	|	|	1.84
3.167	0.00	1.67	0.594	O	|	|	|	|	1.81
3.250	0.00	1.64	0.582	O	|	|	|	|	1.78
3.333	0.00	1.61	0.571	O	|	|	|	|	1.75
3.417	0.00	1.58	0.560	O	|	|	|	|	1.71
3.500	0.00	1.55	0.549	O	|	|	|	|	1.68
3.583	0.00	1.52	0.539	O	|	|	|	|	1.65
3.667	0.00	1.49	0.528	O	|	|	|	|	1.62
3.750	0.00	1.46	0.518	O	|	|	|	|	1.60
3.833	0.00	1.43	0.508	O	|	|	|	|	1.57
3.917	0.00	1.40	0.499	O	|	|	|	|	1.54
4.000	0.00	1.38	0.489	O	|	|	|	|	1.51
4.083	0.00	1.35	0.480	O	|	|	|	|	1.48
4.167	0.00	1.32	0.470	O	|	|	|	|	1.46
4.250	0.00	1.30	0.461	O	|	|	|	|	1.43
4.333	0.00	1.27	0.453	O	|	|	|	|	1.41
4.417	0.00	1.25	0.444	O	|	|	|	|	1.38
4.500	0.00	1.22	0.435	O	|	|	|	|	1.36
4.583	0.00	1.20	0.427	O	|	|	|	|	1.33
4.667	0.00	1.18	0.419	O	|	|	|	|	1.31
4.750	0.00	1.16	0.411	O	|	|	|	|	1.29
4.833	0.00	1.13	0.403	O	|	|	|	|	1.27
4.917	0.00	1.11	0.395	O	|	|	|	|	1.24
5.000	0.00	1.09	0.388	O	|	|	|	|	1.22
5.083	0.00	1.07	0.380	O	|	|	|	|	1.20
5.167	0.00	1.05	0.373	O	|	|	|	|	1.18
5.250	0.00	1.03	0.366	O	|	|	|	|	1.16
5.333	0.00	1.01	0.359	O	|	|	|	|	1.14
5.417	0.00	0.99	0.352	O	|	|	|	|	1.12
5.500	0.00	0.97	0.345	O	|	|	|	|	1.10
5.583	0.00	0.95	0.339	O	|	|	|	|	1.08
5.667	0.00	0.93	0.332	O	|	|	|	|	1.06
5.750	0.00	0.91	0.326	O	|	|	|	|	1.04
5.833	0.00	0.90	0.319	O	|	|	|	|	1.03
5.917	0.00	0.88	0.313	O	|	|	|	|	1.01
6.000	0.00	0.86	0.307	O	|	|	|	|	0.99

6.083	0.00	0.85	0.301	O					0.97
6.167	0.00	0.83	0.296	O					0.95
6.250	0.00	0.81	0.290	O					0.94
6.333	0.00	0.80	0.284	O					0.92
6.417	0.00	0.78	0.279	O					0.90
6.500	0.00	0.77	0.274	O					0.88
6.583	0.00	0.75	0.268	O					0.87
6.667	0.00	0.74	0.263	O					0.85
6.750	0.00	0.72	0.258	O					0.83
6.833	0.00	0.71	0.253	O					0.82
6.917	0.00	0.70	0.248	O					0.80
7.000	0.00	0.68	0.244	O					0.79
7.083	0.00	0.67	0.239	O					0.77
7.167	0.00	0.66	0.234	O					0.76
7.250	0.00	0.65	0.230	O					0.74
7.333	0.00	0.63	0.226	O					0.73
7.417	0.00	0.62	0.221	O					0.71
7.500	0.00	0.61	0.217	O					0.70
7.583	0.00	0.60	0.213	O					0.69
7.667	0.00	0.59	0.209	O					0.67
7.750	0.00	0.57	0.205	O					0.66
7.833	0.00	0.56	0.201	O					0.65
7.917	0.00	0.55	0.197	O					0.64
8.000	0.00	0.54	0.193	O					0.62
8.083	0.00	0.53	0.190	O					0.61
8.167	0.00	0.52	0.186	O					0.60
8.250	0.00	0.51	0.182	O					0.59
8.333	0.00	0.50	0.179	O					0.58
8.417	0.00	0.49	0.175	O					0.57
8.500	0.00	0.48	0.172	O					0.56
8.583	0.00	0.47	0.169	O					0.54
8.667	0.00	0.46	0.166	O					0.53
8.750	0.00	0.46	0.162	O					0.52
8.833	0.00	0.45	0.159	O					0.51
8.917	0.00	0.44	0.156	O					0.50
9.000	0.00	0.43	0.153	O					0.49
9.083	0.00	0.42	0.150	O					0.48
9.167	0.00	0.41	0.147	O					0.48
9.250	0.00	0.41	0.145	O					0.47
9.333	0.00	0.40	0.142	O					0.46
9.417	0.00	0.39	0.139	O					0.45
9.500	0.00	0.38	0.136	O					0.44
9.583	0.00	0.38	0.134	O					0.43
9.667	0.00	0.37	0.131	O					0.42
9.750	0.00	0.36	0.129	O					0.42
9.833	0.00	0.35	0.126	O					0.41
9.917	0.00	0.35	0.124	O					0.40
10.000	0.00	0.34	0.122	O					0.39
10.083	0.00	0.33	0.119	O					0.38
10.167	0.00	0.33	0.117	O					0.38
10.250	0.00	0.32	0.115	O					0.37
10.333	0.00	0.32	0.112	O					0.36
10.417	0.00	0.31	0.110	O					0.36
10.500	0.00	0.30	0.108	O					0.35
10.583	0.00	0.30	0.106	O					0.34
10.667	0.00	0.29	0.104	O					0.34
10.750	0.00	0.29	0.102	O					0.33
10.833	0.00	0.28	0.100	O					0.32
10.917	0.00	0.28	0.098	O					0.32
11.000	0.00	0.27	0.096	O					0.31
11.083	0.00	0.27	0.095	O					0.30
11.167	0.00	0.26	0.093	O					0.30
11.250	0.00	0.26	0.091	O					0.29
11.333	0.00	0.25	0.089	O					0.29
11.417	0.00	0.25	0.087	O					0.28
11.500	0.00	0.24	0.086	O					0.28
11.583	0.00	0.24	0.084	O					0.27

11.667	0.00	0.23	0.083	O	|	|	|	|	0.27
11.750	0.00	0.23	0.081	O	|	|	|	|	0.26
11.833	0.00	0.22	0.079	O	|	|	|	|	0.26
11.917	0.00	0.22	0.078	O	|	|	|	|	0.25
12.000	0.00	0.21	0.076	O	|	|	|	|	0.25
12.083	0.00	0.21	0.075	O	|	|	|	|	0.24
12.167	0.00	0.21	0.074	O	|	|	|	|	0.24
12.250	0.00	0.20	0.072	O	|	|	|	|	0.23
12.333	0.00	0.20	0.071	O	|	|	|	|	0.23
12.417	0.00	0.19	0.069	O	|	|	|	|	0.22
12.500	0.00	0.19	0.068	O	|	|	|	|	0.22
12.583	0.00	0.19	0.067	O	|	|	|	|	0.22
12.667	0.00	0.18	0.065	O	|	|	|	|	0.21
12.750	0.00	0.18	0.064	O	|	|	|	|	0.21
12.833	0.00	0.18	0.063	O	|	|	|	|	0.20
12.917	0.00	0.17	0.062	O	|	|	|	|	0.20
13.000	0.00	0.17	0.061	O	|	|	|	|	0.20
13.083	0.00	0.17	0.059	O	|	|	|	|	0.19
13.167	0.00	0.16	0.058	O	|	|	|	|	0.19
13.250	0.00	0.16	0.057	O	|	|	|	|	0.18
13.333	0.00	0.16	0.056	O	|	|	|	|	0.18
13.417	0.00	0.15	0.055	O	|	|	|	|	0.18
13.500	0.00	0.15	0.054	O	|	|	|	|	0.17
13.583	0.00	0.15	0.053	O	|	|	|	|	0.17
13.667	0.00	0.15	0.052	O	|	|	|	|	0.17
13.750	0.00	0.14	0.051	O	|	|	|	|	0.16
13.833	0.00	0.14	0.050	O	|	|	|	|	0.16
13.917	0.00	0.14	0.049	O	|	|	|	|	0.16
14.000	0.00	0.13	0.048	O	|	|	|	|	0.16
14.083	0.00	0.13	0.047	O	|	|	|	|	0.15
14.167	0.00	0.13	0.046	O	|	|	|	|	0.15
14.250	0.00	0.13	0.045	O	|	|	|	|	0.15
14.333	0.00	0.12	0.044	O	|	|	|	|	0.14
14.417	0.00	0.12	0.044	O	|	|	|	|	0.14
14.500	0.00	0.12	0.043	O	|	|	|	|	0.14
14.583	0.00	0.12	0.042	O	|	|	|	|	0.14
14.667	0.00	0.12	0.041	O	|	|	|	|	0.13
14.750	0.00	0.11	0.040	O	|	|	|	|	0.13
14.833	0.00	0.11	0.040	O	|	|	|	|	0.13
14.917	0.00	0.11	0.039	O	|	|	|	|	0.13
15.000	0.00	0.11	0.038	O	|	|	|	|	0.12
15.083	0.00	0.10	0.037	O	|	|	|	|	0.12
15.167	0.00	0.10	0.037	O	|	|	|	|	0.12
15.250	0.00	0.10	0.036	O	|	|	|	|	0.12
15.333	0.00	0.10	0.035	O	|	|	|	|	0.11
15.417	0.00	0.10	0.035	O	|	|	|	|	0.11
15.500	0.00	0.10	0.034	O	|	|	|	|	0.11
15.583	0.00	0.09	0.033	O	|	|	|	|	0.11
15.667	0.00	0.09	0.033	O	|	|	|	|	0.11
15.750	0.00	0.09	0.032	O	|	|	|	|	0.10
15.833	0.00	0.09	0.031	O	|	|	|	|	0.10
15.917	0.00	0.09	0.031	O	|	|	|	|	0.10
16.000	0.00	0.08	0.030	O	|	|	|	|	0.10
16.083	0.00	0.08	0.030	O	|	|	|	|	0.10
16.167	0.00	0.08	0.029	O	|	|	|	|	0.09
16.250	0.00	0.08	0.029	O	|	|	|	|	0.09
16.333	0.00	0.08	0.028	O	|	|	|	|	0.09
16.417	0.00	0.08	0.027	O	|	|	|	|	0.09
16.500	0.00	0.08	0.027	O	|	|	|	|	0.09
16.583	0.00	0.07	0.026	O	|	|	|	|	0.09
16.667	0.00	0.07	0.026	O	|	|	|	|	0.08
16.750	0.00	0.07	0.025	O	|	|	|	|	0.08
16.833	0.00	0.07	0.025	O	|	|	|	|	0.08
16.917	0.00	0.07	0.024	O	|	|	|	|	0.08
17.000	0.00	0.07	0.024	O	|	|	|	|	0.08
17.083	0.00	0.07	0.024	O	|	|	|	|	0.08
17.167	0.00	0.06	0.023	O	|	|	|	|	0.07

17.250	0.00	0.06	0.023	O	|	|	|	0.07
17.333	0.00	0.06	0.022	O	|	|	|	0.07
17.417	0.00	0.06	0.022	O	|	|	|	0.07
17.500	0.00	0.06	0.021	O	|	|	|	0.07
17.583	0.00	0.06	0.021	O	|	|	|	0.07
17.667	0.00	0.06	0.021	O	|	|	|	0.07
17.750	0.00	0.06	0.020	O	|	|	|	0.06
17.833	0.00	0.06	0.020	O	|	|	|	0.06
17.917	0.00	0.05	0.019	O	|	|	|	0.06
18.000	0.00	0.05	0.019	O	|	|	|	0.06
18.083	0.00	0.05	0.019	O	|	|	|	0.06
18.167	0.00	0.05	0.018	O	|	|	|	0.06
18.250	0.00	0.05	0.018	O	|	|	|	0.06
18.333	0.00	0.05	0.018	O	|	|	|	0.06
18.417	0.00	0.05	0.017	O	|	|	|	0.06
18.500	0.00	0.05	0.017	O	|	|	|	0.05
18.583	0.00	0.05	0.017	O	|	|	|	0.05
18.667	0.00	0.05	0.016	O	|	|	|	0.05
18.750	0.00	0.04	0.016	O	|	|	|	0.05
18.833	0.00	0.04	0.016	O	|	|	|	0.05
18.917	0.00	0.04	0.015	O	|	|	|	0.05
19.000	0.00	0.04	0.015	O	|	|	|	0.05
19.083	0.00	0.04	0.015	O	|	|	|	0.05
19.167	0.00	0.04	0.014	O	|	|	|	0.05
19.250	0.00	0.04	0.014	O	|	|	|	0.05
19.333	0.00	0.04	0.014	O	|	|	|	0.04
19.417	0.00	0.04	0.014	O	|	|	|	0.04
19.500	0.00	0.04	0.013	O	|	|	|	0.04
19.583	0.00	0.04	0.013	O	|	|	|	0.04
19.667	0.00	0.04	0.013	O	|	|	|	0.04
19.750	0.00	0.04	0.013	O	|	|	|	0.04
19.833	0.00	0.03	0.012	O	|	|	|	0.04
19.917	0.00	0.03	0.012	O	|	|	|	0.04
20.000	0.00	0.03	0.012	O	|	|	|	0.04
20.083	0.00	0.03	0.012	O	|	|	|	0.04
20.167	0.00	0.03	0.011	O	|	|	|	0.04
20.250	0.00	0.03	0.011	O	|	|	|	0.04
20.333	0.00	0.03	0.011	O	|	|	|	0.04
20.417	0.00	0.03	0.011	O	|	|	|	0.03
20.500	0.00	0.03	0.011	O	|	|	|	0.03
20.583	0.00	0.03	0.010	O	|	|	|	0.03
20.667	0.00	0.03	0.010	O	|	|	|	0.03
20.750	0.00	0.03	0.010	O	|	|	|	0.03
20.833	0.00	0.03	0.010	O	|	|	|	0.03
20.917	0.00	0.03	0.010	O	|	|	|	0.03
21.000	0.00	0.03	0.009	O	|	|	|	0.03
21.083	0.00	0.03	0.009	O	|	|	|	0.03
21.167	0.00	0.03	0.009	O	|	|	|	0.03
21.250	0.00	0.03	0.009	O	|	|	|	0.03
21.333	0.00	0.02	0.009	O	|	|	|	0.03
21.417	0.00	0.02	0.009	O	|	|	|	0.03
21.500	0.00	0.02	0.008	O	|	|	|	0.03
21.583	0.00	0.02	0.008	O	|	|	|	0.03
21.667	0.00	0.02	0.008	O	|	|	|	0.03
21.750	0.00	0.02	0.008	O	|	|	|	0.03
21.833	0.00	0.02	0.008	O	|	|	|	0.03
21.917	0.00	0.02	0.008	O	|	|	|	0.02
22.000	0.00	0.02	0.008	O	|	|	|	0.02
22.083	0.00	0.02	0.007	O	|	|	|	0.02
22.167	0.00	0.02	0.007	O	|	|	|	0.02
22.250	0.00	0.02	0.007	O	|	|	|	0.02
22.333	0.00	0.02	0.007	O	|	|	|	0.02
22.417	0.00	0.02	0.007	O	|	|	|	0.02
22.500	0.00	0.02	0.007	O	|	|	|	0.02
22.583	0.00	0.02	0.007	O	|	|	|	0.02
22.667	0.00	0.02	0.006	O	|	|	|	0.02
22.750	0.00	0.02	0.006	O	|	|	|	0.02

22.833	0.00	0.02	0.006	O	|	|	|	|	0.02
22.917	0.00	0.02	0.006	O	|	|	|	|	0.02
23.000	0.00	0.02	0.006	O	|	|	|	|	0.02
23.083	0.00	0.02	0.006	O	|	|	|	|	0.02
23.167	0.00	0.02	0.006	O	|	|	|	|	0.02
23.250	0.00	0.02	0.006	O	|	|	|	|	0.02
23.333	0.00	0.02	0.006	O	|	|	|	|	0.02
23.417	0.00	0.02	0.005	O	|	|	|	|	0.02
23.500	0.00	0.01	0.005	O	|	|	|	|	0.02
23.583	0.00	0.01	0.005	O	|	|	|	|	0.02
23.667	0.00	0.01	0.005	O	|	|	|	|	0.02
23.750	0.00	0.01	0.005	O	|	|	|	|	0.02
23.833	0.00	0.01	0.005	O	|	|	|	|	0.02
23.917	0.00	0.01	0.005	O	|	|	|	|	0.02
24.000	0.00	0.01	0.005	O	|	|	|	|	0.02
24.083	0.00	0.01	0.005	O	|	|	|	|	0.01
24.167	0.00	0.01	0.005	O	|	|	|	|	0.01
24.250	0.00	0.01	0.004	O	|	|	|	|	0.01
24.333	0.00	0.01	0.004	O	|	|	|	|	0.01
24.417	0.00	0.01	0.004	O	|	|	|	|	0.01
24.500	0.00	0.01	0.004	O	|	|	|	|	0.01
24.583	0.00	0.01	0.004	O	|	|	|	|	0.01
24.667	0.00	0.01	0.004	O	|	|	|	|	0.01
24.750	0.00	0.01	0.004	O	|	|	|	|	0.01
24.833	0.00	0.01	0.004	O	|	|	|	|	0.01
24.917	0.00	0.01	0.004	O	|	|	|	|	0.01
25.000	0.00	0.01	0.004	O	|	|	|	|	0.01
25.083	0.00	0.01	0.004	O	|	|	|	|	0.01
25.167	0.00	0.01	0.004	O	|	|	|	|	0.01
25.250	0.00	0.01	0.004	O	|	|	|	|	0.01
25.333	0.00	0.01	0.003	O	|	|	|	|	0.01
25.417	0.00	0.01	0.003	O	|	|	|	|	0.01
25.500	0.00	0.01	0.003	O	|	|	|	|	0.01
25.583	0.00	0.01	0.003	O	|	|	|	|	0.01
25.667	0.00	0.01	0.003	O	|	|	|	|	0.01
25.750	0.00	0.01	0.003	O	|	|	|	|	0.01
25.833	0.00	0.01	0.003	O	|	|	|	|	0.01
25.917	0.00	0.01	0.003	O	|	|	|	|	0.01
26.000	0.00	0.01	0.003	O	|	|	|	|	0.01
26.083	0.00	0.01	0.003	O	|	|	|	|	0.01
26.167	0.00	0.01	0.003	O	|	|	|	|	0.01
26.250	0.00	0.01	0.003	O	|	|	|	|	0.01
26.333	0.00	0.01	0.003	O	|	|	|	|	0.01
26.417	0.00	0.01	0.003	O	|	|	|	|	0.01
26.500	0.00	0.01	0.003	O	|	|	|	|	0.01
26.583	0.00	0.01	0.003	O	|	|	|	|	0.01
26.667	0.00	0.01	0.003	O	|	|	|	|	0.01
26.750	0.00	0.01	0.002	O	|	|	|	|	0.01
26.833	0.00	0.01	0.002	O	|	|	|	|	0.01
26.917	0.00	0.01	0.002	O	|	|	|	|	0.01
27.000	0.00	0.01	0.002	O	|	|	|	|	0.01
27.083	0.00	0.01	0.002	O	|	|	|	|	0.01
27.167	0.00	0.01	0.002	O	|	|	|	|	0.01
27.250	0.00	0.01	0.002	O	|	|	|	|	0.01
27.333	0.00	0.01	0.002	O	|	|	|	|	0.01
27.417	0.00	0.01	0.002	O	|	|	|	|	0.01
27.500	0.00	0.01	0.002	O	|	|	|	|	0.01
27.583	0.00	0.01	0.002	O	|	|	|	|	0.01
27.667	0.00	0.01	0.002	O	|	|	|	|	0.01
27.750	0.00	0.01	0.002	O	|	|	|	|	0.01
27.833	0.00	0.01	0.002	O	|	|	|	|	0.01
27.917	0.00	0.01	0.002	O	|	|	|	|	0.01
28.000	0.00	0.01	0.002	O	|	|	|	|	0.01
28.083	0.00	0.01	0.002	O	|	|	|	|	0.01
28.167	0.00	0.01	0.002	O	|	|	|	|	0.01
28.250	0.00	0.00	0.002	O	|	|	|	|	0.01
28.333	0.00	0.00	0.002	O	|	|	|	|	0.01

28.417	0.00	0.00	0.002	O					0.01
28.500	0.00	0.00	0.002	O					0.01
28.583	0.00	0.00	0.002	O					0.01
28.667	0.00	0.00	0.002	O					0.01
28.750	0.00	0.00	0.002	O					0.01
28.833	0.00	0.00	0.002	O					0.00
28.917	0.00	0.00	0.002	O					0.00
29.000	0.00	0.00	0.001	O					0.00
29.083	0.00	0.00	0.001	O					0.00
29.167	0.00	0.00	0.001	O					0.00
29.250	0.00	0.00	0.001	O					0.00
29.333	0.00	0.00	0.001	O					0.00
29.417	0.00	0.00	0.001	O					0.00
29.500	0.00	0.00	0.001	O					0.00
29.583	0.00	0.00	0.001	O					0.00
29.667	0.00	0.00	0.001	O					0.00
29.750	0.00	0.00	0.001	O					0.00
29.833	0.00	0.00	0.001	O					0.00
29.917	0.00	0.00	0.001	O					0.00
30.000	0.00	0.00	0.001	O					0.00
30.083	0.00	0.00	0.001	O					0.00
30.167	0.00	0.00	0.001	O					0.00
30.250	0.00	0.00	0.001	O					0.00
30.333	0.00	0.00	0.001	O					0.00
30.417	0.00	0.00	0.001	O					0.00
30.500	0.00	0.00	0.001	O					0.00
30.583	0.00	0.00	0.001	O					0.00
30.667	0.00	0.00	0.001	O					0.00
30.750	0.00	0.00	0.001	O					0.00
30.833	0.00	0.00	0.001	O					0.00
30.917	0.00	0.00	0.001	O					0.00
31.000	0.00	0.00	0.001	O					0.00
31.083	0.00	0.00	0.001	O					0.00
31.167	0.00	0.00	0.001	O					0.00
31.250	0.00	0.00	0.001	O					0.00
31.333	0.00	0.00	0.001	O					0.00
31.417	0.00	0.00	0.001	O					0.00
31.500	0.00	0.00	0.001	O					0.00
31.583	0.00	0.00	0.001	O					0.00
31.667	0.00	0.00	0.001	O					0.00
31.750	0.00	0.00	0.001	O					0.00
31.833	0.00	0.00	0.001	O					0.00
31.917	0.00	0.00	0.001	O					0.00
32.000	0.00	0.00	0.001	O					0.00
32.083	0.00	0.00	0.001	O					0.00
32.167	0.00	0.00	0.001	O					0.00
32.250	0.00	0.00	0.001	O					0.00
32.333	0.00	0.00	0.001	O					0.00
32.417	0.00	0.00	0.001	O					0.00
32.500	0.00	0.00	0.001	O					0.00
32.583	0.00	0.00	0.001	O					0.00
32.667	0.00	0.00	0.001	O					0.00
32.750	0.00	0.00	0.001	O					0.00
32.833	0.00	0.00	0.001	O					0.00
32.917	0.00	0.00	0.001	O					0.00
33.000	0.00	0.00	0.001	O					0.00
33.083	0.00	0.00	0.001	O					0.00
33.167	0.00	0.00	0.001	O					0.00
33.250	0.00	0.00	0.001	O					0.00
33.333	0.00	0.00	0.001	O					0.00
33.417	0.00	0.00	0.001	O					0.00
33.500	0.00	0.00	0.001	O					0.00
33.583	0.00	0.00	0.001	O					0.00
33.667	0.00	0.00	0.001	O					0.00
33.750	0.00	0.00	0.000	O					0.00
33.833	0.00	0.00	0.000	O					0.00
33.917	0.00	0.00	0.000	O					0.00

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34.000    0.00    0.00      0.000  O       |       |       |       |     0.00
34.083    0.00    0.00      0.000  O       |       |       |       |     0.00
34.167    0.00    0.00      0.000  O       |       |       |       |     0.00
34.250    0.00    0.00      0.000  O       |       |       |       |     0.00
34.333    0.00    0.00      0.000  O       |       |       |       |     0.00
34.417    0.00    0.00      0.000  O       |       |       |       |     0.00
34.500    0.00    0.00      0.000  O       |       |       |       |     0.00
34.583    0.00    0.00      0.000  O       |       |       |       |     0.00
34.667    0.00    0.00      0.000  O       |       |       |       |     0.00
34.750    0.00    0.00      0.000  O       |       |       |       |     0.00
34.833    0.00    0.00      0.000  O       |       |       |       |     0.00
34.917    0.00    0.00      0.000  O       |       |       |       |     0.00
35.000    0.00    0.00      0.000  O       |       |       |       |     0.00
35.083    0.00    0.00      0.000  O       |       |       |       |     0.00
35.167    0.00    0.00      0.000  O       |       |       |       |     0.00

      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =   422
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =       91.625 (CFS)
                  Total volume =       2.036 (Ac.Ft)
            Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ************************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/27/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRA310.rte
**********HYDROGRAPH DATA**********
Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 49.767 (CFS)
Total volume = 2.306 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN A- ROUTING
10YR-3HR STORM

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.870	0.307	0.313
2.000	0.660	1.860	0.654	0.666
2.650	0.920	2.240	0.912	0.928
3.000	1.070	36.900	0.943	1.197
3.500	1.300	133.130	0.842	1.758
4.000	1.900	264.030	0.991	2.809

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	12.4	24.88	37.33	49.77	Depth (Ft.)
0.083	1.32	0.01	0.004	O	|	|	|	|	0.01
0.167	2.17	0.05	0.016	OI	|	|	|	|	0.05
0.250	2.10	0.09	0.031	OI	|	|	|	|	0.10
0.333	2.38	0.13	0.045	OI	|	|	|	|	0.15
0.417	2.62	0.17	0.061	OI	|	|	|	|	0.20

0.500	2.96	0.22	0.079	OI	|	|	|	|	0.26
0.583	2.86	0.27	0.098	OI	|	|	|	|	0.31
0.667	3.00	0.32	0.116	OI	|	|	|	|	0.37
0.750	3.16	0.38	0.134	O I	|	|	|	|	0.43
0.833	2.89	0.43	0.153	OI	|	|	|	|	0.49
0.917	2.79	0.47	0.169	OI	|	|	|	|	0.55
1.000	3.03	0.52	0.186	OI	|	|	|	|	0.60
1.083	3.58	0.57	0.205	O I	|	|	|	|	0.66
1.167	3.86	0.63	0.226	O I	|	|	|	|	0.73
1.250	3.90	0.70	0.248	O I	|	|	|	|	0.80
1.333	3.70	0.76	0.269	O I	|	|	|	|	0.87
1.417	4.18	0.82	0.291	O I	|	|	|	|	0.94
1.500	4.65	0.89	0.316	O I	|	|	|	|	1.02
1.583	4.47	0.96	0.341	O I	|	|	|	|	1.09
1.667	4.59	1.03	0.365	O I	|	|	|	|	1.16
1.750	6.99	1.12	0.398	O I	|	|	|	|	1.25
1.833	7.41	1.23	0.439	O I	|	|	|	|	1.37
1.917	5.99	1.34	0.476	O I	|	|	|	|	1.48
2.000	5.70	1.43	0.507	O I	|	|	|	|	1.56
2.083	6.42	1.52	0.539	O I	|	|	|	|	1.65
2.167	12.56	1.67	0.593	|O I	|	|	|	|	1.81
2.250	20.52	1.91	0.695	|O I	|	|	|	|	2.09
2.333	15.98	2.07	0.807	|O I	|	|	|	|	2.37
2.417	28.62	5.49	0.934	| O	|	I |	|	|	2.68
2.500	41.56	31.72	1.048	|	|	O |	I |	|	2.95
2.583	49.77	**46.46**	**1.093**	**|**	**|**	**|**	**| O I|**		**3.05**
2.667	41.05	45.22	1.090	|	|	|	I O |	|	3.04
2.750	17.22	28.89	1.035	|	I |	O |	|	|	2.92
2.833	5.08	13.17	0.967	| I	O |	|	|	|	2.76
2.917	3.21	5.17	0.933	| IO	|	|	|	|	2.68
3.000	1.98	2.89	0.923	|O	|	|	|	|	2.66
3.083	0.58	2.23	0.914	IO	|	|	|	|	2.63
3.167	0.06	2.21	0.901	IO	|	|	|	|	2.60
3.250	0.00	2.19	0.886	IO	|	|	|	|	2.56
3.333	0.00	2.17	0.871	IO	|	|	|	|	2.53
3.417	0.00	2.15	0.856	IO	|	|	|	|	2.49
3.500	0.00	2.13	0.841	IO	|	|	|	|	2.45
3.583	0.00	2.10	0.827	IO	|	|	|	|	2.42
3.667	0.00	2.08	0.812	IO	|	|	|	|	2.38
3.750	0.00	2.06	0.798	IO	|	|	|	|	2.35
3.833	0.00	2.04	0.784	IO	|	|	|	|	2.31
3.917	0.00	2.02	0.770	IO	|	|	|	|	2.28
4.000	0.00	2.00	0.756	IO	|	|	|	|	2.24
4.083	0.00	1.98	0.742	IO	|	|	|	|	2.21
4.167	0.00	1.96	0.729	IO	|	|	|	|	2.17
4.250	0.00	1.94	0.715	IO	|	|	|	|	2.14
4.333	0.00	1.92	0.702	IO	|	|	|	|	2.11
4.417	0.00	1.90	0.689	IO	|	|	|	|	2.07
4.500	0.00	1.88	0.676	IO	|	|	|	|	2.04
4.583	0.00	1.86	0.663	IO	|	|	|	|	2.01
4.667	0.00	1.83	0.650	IO	|	|	|	|	1.97
4.750	0.00	1.80	0.638	IO	|	|	|	|	1.94
4.833	0.00	1.76	0.626	IO	|	|	|	|	1.90
4.917	0.00	1.73	0.614	IO	|	|	|	|	1.87
5.000	0.00	1.70	0.602	IO	|	|	|	|	1.83
5.083	0.00	1.66	0.590	IO	|	|	|	|	1.80
5.167	0.00	1.63	0.579	IO	|	|	|	|	1.77
5.250	0.00	1.60	0.568	IO	|	|	|	|	1.74
5.333	0.00	1.57	0.557	IO	|	|	|	|	1.71
5.417	0.00	1.54	0.546	O	|	|	|	|	1.67
5.500	0.00	1.51	0.536	O	|	|	|	|	1.64
5.583	0.00	1.48	0.525	O	|	|	|	|	1.62
5.667	0.00	1.45	0.515	O	|	|	|	|	1.59
5.750	0.00	1.42	0.505	O	|	|	|	|	1.56
5.833	0.00	1.40	0.496	O	|	|	|	|	1.53
5.917	0.00	1.37	0.486	O	|	|	|	|	1.50
6.000	0.00	1.34	0.477	O	|	|	|	|	1.48

6.083	0.00	1.32	0.468	O	|	|	|	1.45
6.167	0.00	1.29	0.459	O	|	|	|	1.42
6.250	0.00	1.27	0.450	O	|	|	|	1.40
6.333	0.00	1.24	0.441	O	|	|	|	1.38
6.417	0.00	1.22	0.433	O	|	|	|	1.35
6.500	0.00	1.19	0.424	O	|	|	|	1.33
6.583	0.00	1.17	0.416	O	|	|	|	1.30
6.667	0.00	1.15	0.408	O	|	|	|	1.28
6.750	0.00	1.13	0.401	O	|	|	|	1.26
6.833	0.00	1.10	0.393	O	|	|	|	1.24
6.917	0.00	1.08	0.385	O	|	|	|	1.22
7.000	0.00	1.06	0.378	O	|	|	|	1.19
7.083	0.00	1.04	0.371	O	|	|	|	1.17
7.167	0.00	1.02	0.364	O	|	|	|	1.15
7.250	0.00	1.00	0.357	O	|	|	|	1.13
7.333	0.00	0.98	0.350	O	|	|	|	1.11
7.417	0.00	0.96	0.343	O	|	|	|	1.09
7.500	0.00	0.94	0.337	O	|	|	|	1.08
7.583	0.00	0.93	0.330	O	|	|	|	1.06
7.667	0.00	0.91	0.324	O	|	|	|	1.04
7.750	0.00	0.89	0.318	O	|	|	|	1.02
7.833	0.00	0.87	0.311	O	|	|	|	1.00
7.917	0.00	0.86	0.305	O	|	|	|	0.99
8.000	0.00	0.84	0.300	O	|	|	|	0.97
8.083	0.00	0.82	0.294	O	|	|	|	0.95
8.167	0.00	0.81	0.288	O	|	|	|	0.93
8.250	0.00	0.79	0.283	O	|	|	|	0.91
8.333	0.00	0.78	0.277	O	|	|	|	0.89
8.417	0.00	0.76	0.272	O	|	|	|	0.88
8.500	0.00	0.75	0.267	O	|	|	|	0.86
8.583	0.00	0.73	0.262	O	|	|	|	0.84
8.667	0.00	0.72	0.257	O	|	|	|	0.83
8.750	0.00	0.71	0.252	O	|	|	|	0.81
8.833	0.00	0.69	0.247	O	|	|	|	0.80
8.917	0.00	0.68	0.242	O	|	|	|	0.78
9.000	0.00	0.67	0.238	O	|	|	|	0.77
9.083	0.00	0.65	0.233	O	|	|	|	0.75
9.167	0.00	0.64	0.229	O	|	|	|	0.74
9.250	0.00	0.63	0.224	O	|	|	|	0.72
9.333	0.00	0.62	0.220	O	|	|	|	0.71
9.417	0.00	0.61	0.216	O	|	|	|	0.70
9.500	0.00	0.59	0.212	O	|	|	|	0.68
9.583	0.00	0.58	0.208	O	|	|	|	0.67
9.667	0.00	0.57	0.204	O	|	|	|	0.66
9.750	0.00	0.56	0.200	O	|	|	|	0.64
9.833	0.00	0.55	0.196	O	|	|	|	0.63
9.917	0.00	0.54	0.192	O	|	|	|	0.62
10.000	0.00	0.53	0.188	O	|	|	|	0.61
10.083	0.00	0.52	0.185	O	|	|	|	0.60
10.167	0.00	0.51	0.181	O	|	|	|	0.58
10.250	0.00	0.50	0.178	O	|	|	|	0.57
10.333	0.00	0.49	0.174	O	|	|	|	0.56
10.417	0.00	0.48	0.171	O	|	|	|	0.55
10.500	0.00	0.47	0.168	O	|	|	|	0.54
10.583	0.00	0.46	0.165	O	|	|	|	0.53
10.667	0.00	0.45	0.161	O	|	|	|	0.52
10.750	0.00	0.44	0.158	O	|	|	|	0.51
10.833	0.00	0.44	0.155	O	|	|	|	0.50
10.917	0.00	0.43	0.152	O	|	|	|	0.49
11.000	0.00	0.42	0.149	O	|	|	|	0.48
11.083	0.00	0.41	0.147	O	|	|	|	0.47
11.167	0.00	0.40	0.144	O	|	|	|	0.46
11.250	0.00	0.40	0.141	O	|	|	|	0.45
11.333	0.00	0.39	0.138	O	|	|	|	0.45
11.417	0.00	0.38	0.136	O	|	|	|	0.44
11.500	0.00	0.37	0.133	O	|	|	|	0.43
11.583	0.00	0.37	0.131	O	|	|	|	0.42

11.667	0.00	0.36	0.128	O	|	|	|	|	0.41
11.750	0.00	0.35	0.126	O	|	|	|	|	0.41
11.833	0.00	0.35	0.123	O	|	|	|	|	0.40
11.917	0.00	0.34	0.121	O	|	|	|	|	0.39
12.000	0.00	0.33	0.118	O	|	|	|	|	0.38
12.083	0.00	0.33	0.116	O	|	|	|	|	0.37
12.167	0.00	0.32	0.114	O	|	|	|	|	0.37
12.250	0.00	0.31	0.112	O	|	|	|	|	0.36
12.333	0.00	0.31	0.110	O	|	|	|	|	0.35
12.417	0.00	0.30	0.108	O	|	|	|	|	0.35
12.500	0.00	0.30	0.106	O	|	|	|	|	0.34
12.583	0.00	0.29	0.103	O	|	|	|	|	0.33
12.667	0.00	0.28	0.102	O	|	|	|	|	0.33
12.750	0.00	0.28	0.100	O	|	|	|	|	0.32
12.833	0.00	0.27	0.098	O	|	|	|	|	0.32
12.917	0.00	0.27	0.096	O	|	|	|	|	0.31
13.000	0.00	0.26	0.094	O	|	|	|	|	0.30
13.083	0.00	0.26	0.092	O	|	|	|	|	0.30
13.167	0.00	0.25	0.090	O	|	|	|	|	0.29
13.250	0.00	0.25	0.089	O	|	|	|	|	0.29
13.333	0.00	0.24	0.087	O	|	|	|	|	0.28
13.417	0.00	0.24	0.085	O	|	|	|	|	0.28
13.500	0.00	0.23	0.084	O	|	|	|	|	0.27
13.583	0.00	0.23	0.082	O	|	|	|	|	0.26
13.667	0.00	0.23	0.080	O	|	|	|	|	0.26
13.750	0.00	0.22	0.079	O	|	|	|	|	0.25
13.833	0.00	0.22	0.077	O	|	|	|	|	0.25
13.917	0.00	0.21	0.076	O	|	|	|	|	0.25
14.000	0.00	0.21	0.075	O	|	|	|	|	0.24
14.083	0.00	0.21	0.073	O	|	|	|	|	0.24
14.167	0.00	0.20	0.072	O	|	|	|	|	0.23
14.250	0.00	0.20	0.070	O	|	|	|	|	0.23
14.333	0.00	0.19	0.069	O	|	|	|	|	0.22
14.417	0.00	0.19	0.068	O	|	|	|	|	0.22
14.500	0.00	0.19	0.066	O	|	|	|	|	0.21
14.583	0.00	0.18	0.065	O	|	|	|	|	0.21
14.667	0.00	0.18	0.064	O	|	|	|	|	0.21
14.750	0.00	0.18	0.063	O	|	|	|	|	0.20
14.833	0.00	0.17	0.061	O	|	|	|	|	0.20
14.917	0.00	0.17	0.060	O	|	|	|	|	0.19
15.000	0.00	0.17	0.059	O	|	|	|	|	0.19
15.083	0.00	0.16	0.058	O	|	|	|	|	0.19
15.167	0.00	0.16	0.057	O	|	|	|	|	0.18
15.250	0.00	0.16	0.056	O	|	|	|	|	0.18
15.333	0.00	0.15	0.055	O	|	|	|	|	0.18
15.417	0.00	0.15	0.054	O	|	|	|	|	0.17
15.500	0.00	0.15	0.053	O	|	|	|	|	0.17
15.583	0.00	0.14	0.052	O	|	|	|	|	0.17
15.667	0.00	0.14	0.051	O	|	|	|	|	0.16
15.750	0.00	0.14	0.050	O	|	|	|	|	0.16
15.833	0.00	0.14	0.049	O	|	|	|	|	0.16
15.917	0.00	0.13	0.048	O	|	|	|	|	0.15
16.000	0.00	0.13	0.047	O	|	|	|	|	0.15
16.083	0.00	0.13	0.046	O	|	|	|	|	0.15
16.167	0.00	0.13	0.045	O	|	|	|	|	0.15
16.250	0.00	0.12	0.044	O	|	|	|	|	0.14
16.333	0.00	0.12	0.043	O	|	|	|	|	0.14
16.417	0.00	0.12	0.043	O	|	|	|	|	0.14
16.500	0.00	0.12	0.042	O	|	|	|	|	0.13
16.583	0.00	0.11	0.041	O	|	|	|	|	0.13
16.667	0.00	0.11	0.040	O	|	|	|	|	0.13
16.750	0.00	0.11	0.039	O	|	|	|	|	0.13
16.833	0.00	0.11	0.039	O	|	|	|	|	0.12
16.917	0.00	0.11	0.038	O	|	|	|	|	0.12
17.000	0.00	0.10	0.037	O	|	|	|	|	0.12
17.083	0.00	0.10	0.036	O	|	|	|	|	0.12
17.167	0.00	0.10	0.036	O	|	|	|	|	0.12

17.250	0.00	0.10	0.035	O	|	|	|	|	0.11
17.333	0.00	0.10	0.034	O	|	|	|	|	0.11
17.417	0.00	0.09	0.034	O	|	|	|	|	0.11
17.500	0.00	0.09	0.033	O	|	|	|	|	0.11
17.583	0.00	0.09	0.032	O	|	|	|	|	0.10
17.667	0.00	0.09	0.032	O	|	|	|	|	0.10
17.750	0.00	0.09	0.031	O	|	|	|	|	0.10
17.833	0.00	0.09	0.031	O	|	|	|	|	0.10
17.917	0.00	0.08	0.030	O	|	|	|	|	0.10
18.000	0.00	0.08	0.029	O	|	|	|	|	0.10
18.083	0.00	0.08	0.029	O	|	|	|	|	0.09
18.167	0.00	0.08	0.028	O	|	|	|	|	0.09
18.250	0.00	0.08	0.028	O	|	|	|	|	0.09
18.333	0.00	0.08	0.027	O	|	|	|	|	0.09
18.417	0.00	0.08	0.027	O	|	|	|	|	0.09
18.500	0.00	0.07	0.026	O	|	|	|	|	0.08
18.583	0.00	0.07	0.026	O	|	|	|	|	0.08
18.667	0.00	0.07	0.025	O	|	|	|	|	0.08
18.750	0.00	0.07	0.025	O	|	|	|	|	0.08
18.833	0.00	0.07	0.024	O	|	|	|	|	0.08
18.917	0.00	0.07	0.024	O	|	|	|	|	0.08
19.000	0.00	0.07	0.023	O	|	|	|	|	0.08
19.083	0.00	0.06	0.023	O	|	|	|	|	0.07
19.167	0.00	0.06	0.022	O	|	|	|	|	0.07
19.250	0.00	0.06	0.022	O	|	|	|	|	0.07
19.333	0.00	0.06	0.022	O	|	|	|	|	0.07
19.417	0.00	0.06	0.021	O	|	|	|	|	0.07
19.500	0.00	0.06	0.021	O	|	|	|	|	0.07
19.583	0.00	0.06	0.020	O	|	|	|	|	0.07
19.667	0.00	0.06	0.020	O	|	|	|	|	0.06
19.750	0.00	0.06	0.020	O	|	|	|	|	0.06
19.833	0.00	0.05	0.019	O	|	|	|	|	0.06
19.917	0.00	0.05	0.019	O	|	|	|	|	0.06
20.000	0.00	0.05	0.019	O	|	|	|	|	0.06
20.083	0.00	0.05	0.018	O	|	|	|	|	0.06
20.167	0.00	0.05	0.018	O	|	|	|	|	0.06
20.250	0.00	0.05	0.017	O	|	|	|	|	0.06
20.333	0.00	0.05	0.017	O	|	|	|	|	0.06
20.417	0.00	0.05	0.017	O	|	|	|	|	0.05
20.500	0.00	0.05	0.016	O	|	|	|	|	0.05
20.583	0.00	0.05	0.016	O	|	|	|	|	0.05
20.667	0.00	0.04	0.016	O	|	|	|	|	0.05
20.750	0.00	0.04	0.016	O	|	|	|	|	0.05
20.833	0.00	0.04	0.015	O	|	|	|	|	0.05
20.917	0.00	0.04	0.015	O	|	|	|	|	0.05
21.000	0.00	0.04	0.015	O	|	|	|	|	0.05
21.083	0.00	0.04	0.014	O	|	|	|	|	0.05
21.167	0.00	0.04	0.014	O	|	|	|	|	0.05
21.250	0.00	0.04	0.014	O	|	|	|	|	0.04
21.333	0.00	0.04	0.014	O	|	|	|	|	0.04
21.417	0.00	0.04	0.013	O	|	|	|	|	0.04
21.500	0.00	0.04	0.013	O	|	|	|	|	0.04
21.583	0.00	0.04	0.013	O	|	|	|	|	0.04
21.667	0.00	0.04	0.013	O	|	|	|	|	0.04
21.750	0.00	0.03	0.012	O	|	|	|	|	0.04
21.833	0.00	0.03	0.012	O	|	|	|	|	0.04
21.917	0.00	0.03	0.012	O	|	|	|	|	0.04
22.000	0.00	0.03	0.012	O	|	|	|	|	0.04
22.083	0.00	0.03	0.011	O	|	|	|	|	0.04
22.167	0.00	0.03	0.011	O	|	|	|	|	0.04
22.250	0.00	0.03	0.011	O	|	|	|	|	0.04
22.333	0.00	0.03	0.011	O	|	|	|	|	0.03
22.417	0.00	0.03	0.011	O	|	|	|	|	0.03
22.500	0.00	0.03	0.010	O	|	|	|	|	0.03
22.583	0.00	0.03	0.010	O	|	|	|	|	0.03
22.667	0.00	0.03	0.010	O	|	|	|	|	0.03
22.750	0.00	0.03	0.010	O	|	|	|	|	0.03

22.833	0.00	0.03	0.010	O	|	|	|	|	0.03
22.917	0.00	0.03	0.009	O	|	|	|	|	0.03
23.000	0.00	0.03	0.009	O	|	|	|	|	0.03
23.083	0.00	0.03	0.009	O	|	|	|	|	0.03
23.167	0.00	0.02	0.009	O	|	|	|	|	0.03
23.250	0.00	0.02	0.009	O	|	|	|	|	0.03
23.333	0.00	0.02	0.009	O	|	|	|	|	0.03
23.417	0.00	0.02	0.008	O	|	|	|	|	0.03
23.500	0.00	0.02	0.008	O	|	|	|	|	0.03
23.583	0.00	0.02	0.008	O	|	|	|	|	0.03
23.667	0.00	0.02	0.008	O	|	|	|	|	0.03
23.750	0.00	0.02	0.008	O	|	|	|	|	0.03
23.833	0.00	0.02	0.008	O	|	|	|	|	0.02
23.917	0.00	0.02	0.007	O	|	|	|	|	0.02
24.000	0.00	0.02	0.007	O	|	|	|	|	0.02
24.083	0.00	0.02	0.007	O	|	|	|	|	0.02
24.167	0.00	0.02	0.007	O	|	|	|	|	0.02
24.250	0.00	0.02	0.007	O	|	|	|	|	0.02
24.333	0.00	0.02	0.007	O	|	|	|	|	0.02
24.417	0.00	0.02	0.007	O	|	|	|	|	0.02
24.500	0.00	0.02	0.007	O	|	|	|	|	0.02
24.583	0.00	0.02	0.006	O	|	|	|	|	0.02
24.667	0.00	0.02	0.006	O	|	|	|	|	0.02
24.750	0.00	0.02	0.006	O	|	|	|	|	0.02
24.833	0.00	0.02	0.006	O	|	|	|	|	0.02
24.917	0.00	0.02	0.006	O	|	|	|	|	0.02
25.000	0.00	0.02	0.006	O	|	|	|	|	0.02
25.083	0.00	0.02	0.006	O	|	|	|	|	0.02
25.167	0.00	0.02	0.006	O	|	|	|	|	0.02
25.250	0.00	0.02	0.005	O	|	|	|	|	0.02
25.333	0.00	0.02	0.005	O	|	|	|	|	0.02
25.417	0.00	0.01	0.005	O	|	|	|	|	0.02
25.500	0.00	0.01	0.005	O	|	|	|	|	0.02
25.583	0.00	0.01	0.005	O	|	|	|	|	0.02
25.667	0.00	0.01	0.005	O	|	|	|	|	0.02
25.750	0.00	0.01	0.005	O	|	|	|	|	0.02
25.833	0.00	0.01	0.005	O	|	|	|	|	0.02
25.917	0.00	0.01	0.005	O	|	|	|	|	0.02
26.000	0.00	0.01	0.005	O	|	|	|	|	0.01
26.083	0.00	0.01	0.005	O	|	|	|	|	0.01
26.167	0.00	0.01	0.004	O	|	|	|	|	0.01
26.250	0.00	0.01	0.004	O	|	|	|	|	0.01
26.333	0.00	0.01	0.004	O	|	|	|	|	0.01
26.417	0.00	0.01	0.004	O	|	|	|	|	0.01
26.500	0.00	0.01	0.004	O	|	|	|	|	0.01
26.583	0.00	0.01	0.004	O	|	|	|	|	0.01
26.667	0.00	0.01	0.004	O	|	|	|	|	0.01
26.750	0.00	0.01	0.004	O	|	|	|	|	0.01
26.833	0.00	0.01	0.004	O	|	|	|	|	0.01
26.917	0.00	0.01	0.004	O	|	|	|	|	0.01
27.000	0.00	0.01	0.004	O	|	|	|	|	0.01
27.083	0.00	0.01	0.004	O	|	|	|	|	0.01
27.167	0.00	0.01	0.004	O	|	|	|	|	0.01
27.250	0.00	0.01	0.003	O	|	|	|	|	0.01
27.333	0.00	0.01	0.003	O	|	|	|	|	0.01
27.417	0.00	0.01	0.003	O	|	|	|	|	0.01
27.500	0.00	0.01	0.003	O	|	|	|	|	0.01
27.583	0.00	0.01	0.003	O	|	|	|	|	0.01
27.667	0.00	0.01	0.003	O	|	|	|	|	0.01
27.750	0.00	0.01	0.003	O	|	|	|	|	0.01
27.833	0.00	0.01	0.003	O	|	|	|	|	0.01
27.917	0.00	0.01	0.003	O	|	|	|	|	0.01
28.000	0.00	0.01	0.003	O	|	|	|	|	0.01
28.083	0.00	0.01	0.003	O	|	|	|	|	0.01
28.167	0.00	0.01	0.003	O	|	|	|	|	0.01
28.250	0.00	0.01	0.003	O	|	|	|	|	0.01
28.333	0.00	0.01	0.003	O	|	|	|	|	0.01

28.417	0.00	0.01	0.003	O	|	|	|	|	0.01
28.500	0.00	0.01	0.003	O	|	|	|	|	0.01
28.583	0.00	0.01	0.003	O	|	|	|	|	0.01
28.667	0.00	0.01	0.002	O	|	|	|	|	0.01
28.750	0.00	0.01	0.002	O	|	|	|	|	0.01
28.833	0.00	0.01	0.002	O	|	|	|	|	0.01
28.917	0.00	0.01	0.002	O	|	|	|	|	0.01
29.000	0.00	0.01	0.002	O	|	|	|	|	0.01
29.083	0.00	0.01	0.002	O	|	|	|	|	0.01
29.167	0.00	0.01	0.002	O	|	|	|	|	0.01
29.250	0.00	0.01	0.002	O	|	|	|	|	0.01
29.333	0.00	0.01	0.002	O	|	|	|	|	0.01
29.417	0.00	0.01	0.002	O	|	|	|	|	0.01
29.500	0.00	0.01	0.002	O	|	|	|	|	0.01
29.583	0.00	0.01	0.002	O	|	|	|	|	0.01
29.667	0.00	0.01	0.002	O	|	|	|	|	0.01
29.750	0.00	0.01	0.002	O	|	|	|	|	0.01
29.833	0.00	0.01	0.002	O	|	|	|	|	0.01
29.917	0.00	0.01	0.002	O	|	|	|	|	0.01
30.000	0.00	0.01	0.002	O	|	|	|	|	0.01
30.083	0.00	0.01	0.002	O	|	|	|	|	0.01
30.167	0.00	0.00	0.002	O	|	|	|	|	0.01
30.250	0.00	0.00	0.002	O	|	|	|	|	0.01
30.333	0.00	0.00	0.002	O	|	|	|	|	0.01
30.417	0.00	0.00	0.002	O	|	|	|	|	0.01
30.500	0.00	0.00	0.002	O	|	|	|	|	0.01
30.583	0.00	0.00	0.002	O	|	|	|	|	0.01
30.667	0.00	0.00	0.002	O	|	|	|	|	0.01
30.750	0.00	0.00	0.002	O	|	|	|	|	0.00
30.833	0.00	0.00	0.002	O	|	|	|	|	0.00
30.917	0.00	0.00	0.001	O	|	|	|	|	0.00
31.000	0.00	0.00	0.001	O	|	|	|	|	0.00
31.083	0.00	0.00	0.001	O	|	|	|	|	0.00
31.167	0.00	0.00	0.001	O	|	|	|	|	0.00
31.250	0.00	0.00	0.001	O	|	|	|	|	0.00
31.333	0.00	0.00	0.001	O	|	|	|	|	0.00
31.417	0.00	0.00	0.001	O	|	|	|	|	0.00
31.500	0.00	0.00	0.001	O	|	|	|	|	0.00
31.583	0.00	0.00	0.001	O	|	|	|	|	0.00
31.667	0.00	0.00	0.001	O	|	|	|	|	0.00
31.750	0.00	0.00	0.001	O	|	|	|	|	0.00
31.833	0.00	0.00	0.001	O	|	|	|	|	0.00
31.917	0.00	0.00	0.001	O	|	|	|	|	0.00
32.000	0.00	0.00	0.001	O	|	|	|	|	0.00
32.083	0.00	0.00	0.001	O	|	|	|	|	0.00
32.167	0.00	0.00	0.001	O	|	|	|	|	0.00
32.250	0.00	0.00	0.001	O	|	|	|	|	0.00
32.333	0.00	0.00	0.001	O	|	|	|	|	0.00
32.417	0.00	0.00	0.001	O	|	|	|	|	0.00
32.500	0.00	0.00	0.001	O	|	|	|	|	0.00
32.583	0.00	0.00	0.001	O	|	|	|	|	0.00
32.667	0.00	0.00	0.001	O	|	|	|	|	0.00
32.750	0.00	0.00	0.001	O	|	|	|	|	0.00
32.833	0.00	0.00	0.001	O	|	|	|	|	0.00
32.917	0.00	0.00	0.001	O	|	|	|	|	0.00
33.000	0.00	0.00	0.001	O	|	|	|	|	0.00
33.083	0.00	0.00	0.001	O	|	|	|	|	0.00
33.167	0.00	0.00	0.001	O	|	|	|	|	0.00
33.250	0.00	0.00	0.001	O	|	|	|	|	0.00
33.333	0.00	0.00	0.001	O	|	|	|	|	0.00
33.417	0.00	0.00	0.001	O	|	|	|	|	0.00
33.500	0.00	0.00	0.001	O	|	|	|	|	0.00
33.583	0.00	0.00	0.001	O	|	|	|	|	0.00
33.667	0.00	0.00	0.001	O	|	|	|	|	0.00
33.750	0.00	0.00	0.001	O	|	|	|	|	0.00
33.833	0.00	0.00	0.001	O	|	|	|	|	0.00
33.917	0.00	0.00	0.001	O	|	|	|	|	0.00

34.000	0.00	0.00	0.001	O	|	|	|	|	0.00
34.083	0.00	0.00	0.001	O	|	|	|	|	0.00
34.167	0.00	0.00	0.001	O	|	|	|	|	0.00
34.250	0.00	0.00	0.001	O	|	|	|	|	0.00
34.333	0.00	0.00	0.001	O	|	|	|	|	0.00
34.417	0.00	0.00	0.001	O	|	|	|	|	0.00
34.500	0.00	0.00	0.001	O	|	|	|	|	0.00
34.583	0.00	0.00	0.001	O	|	|	|	|	0.00
34.667	0.00	0.00	0.001	O	|	|	|	|	0.00
34.750	0.00	0.00	0.001	O	|	|	|	|	0.00
34.833	0.00	0.00	0.001	O	|	|	|	|	0.00
34.917	0.00	0.00	0.001	O	|	|	|	|	0.00
35.000	0.00	0.00	0.001	O	|	|	|	|	0.00
35.083	0.00	0.00	0.001	O	|	|	|	|	0.00
35.167	0.00	0.00	0.001	O	|	|	|	|	0.00
35.250	0.00	0.00	0.001	O	|	|	|	|	0.00
35.333	0.00	0.00	0.001	O	|	|	|	|	0.00
35.417	0.00	0.00	0.001	O	|	|	|	|	0.00
35.500	0.00	0.00	0.001	O	|	|	|	|	0.00
35.583	0.00	0.00	0.000	O	|	|	|	|	0.00
35.667	0.00	0.00	0.000	O	|	|	|	|	0.00
35.750	0.00	0.00	0.000	O	|	|	|	|	0.00
35.833	0.00	0.00	0.000	O	|	|	|	|	0.00
35.917	0.00	0.00	0.000	O	|	|	|	|	0.00
36.000	0.00	0.00	0.000	O	|	|	|	|	0.00
36.083	0.00	0.00	0.000	O	|	|	|	|	0.00
36.167	0.00	0.00	0.000	O	|	|	|	|	0.00
36.250	0.00	0.00	0.000	O	|	|	|	|	0.00
36.333	0.00	0.00	0.000	O	|	|	|	|	0.00
36.417	0.00	0.00	0.000	O	|	|	|	|	0.00
36.500	0.00	0.00	0.000	O	|	|	|	|	0.00
36.583	0.00	0.00	0.000	O	|	|	|	|	0.00
36.667	0.00	0.00	0.000	O	|	|	|	|	0.00
36.750	0.00	0.00	0.000	O	|	|	|	|	0.00
36.833	0.00	0.00	0.000	O	|	|	|	|	0.00
36.917	0.00	0.00	0.000	O	|	|	|	|	0.00
37.000	0.00	0.00	0.000	O	|	|	|	|	0.00
37.083	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 445
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 46.461 (CFS)
Total volume = 2.306 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/27/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRA610.rte
**********HYDROGRAPH DATA**********
Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 48.748 (CFS)
Total volume = 3.024 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN A- ROUTING
10YR-6HR STORM

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.870	0.307	0.313
2.000	0.660	1.860	0.654	0.666
2.650	0.920	2.240	0.912	0.928
3.000	1.070	36.900	0.943	1.197
3.500	1.300	133.130	0.842	1.758
4.000	1.900	264.030	0.991	2.809

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 12.2 24.37 36.56 48.75	Depth (Ft.)
0.083	0.75	0.01	0.003	O | | | | |	0.01
0.167	1.38	0.03	0.010	O | | | | |	0.03
0.250	1.56	0.06	0.020	OI | | | | |	0.06
0.333	1.57	0.08	0.030	OI | | | | |	0.10
0.417	1.57	0.11	0.040	OI | | | | |	0.13

0.500	1.72	0.14	0.051	OI	|	|	|	|	0.16
0.583	1.82	0.17	0.062	OI	|	|	|	|	0.20
0.667	1.84	0.20	0.073	OI	|	|	|	|	0.24
0.750	1.84	0.24	0.084	OI	|	|	|	|	0.27
0.833	1.84	0.27	0.095	OI	|	|	|	|	0.31
0.917	1.84	0.30	0.106	OI	|	|	|	|	0.34
1.000	1.99	0.33	0.117	OI	|	|	|	|	0.38
1.083	2.08	0.36	0.128	OI	|	|	|	|	0.41
1.167	2.10	0.39	0.140	OI	|	|	|	|	0.45
1.250	2.10	0.43	0.152	OI	|	|	|	|	0.49
1.333	2.10	0.46	0.163	OI	|	|	|	|	0.53
1.417	2.10	0.49	0.175	OI	|	|	|	|	0.56
1.500	2.10	0.52	0.185	OI	|	|	|	|	0.60
1.583	2.10	0.55	0.196	OI	|	|	|	|	0.63
1.667	2.10	0.58	0.207	OI	|	|	|	|	0.67
1.750	2.10	0.61	0.217	OI	|	|	|	|	0.70
1.833	2.10	0.64	0.227	OI	|	|	|	|	0.73
1.917	2.10	0.67	0.237	OI	|	|	|	|	0.77
2.000	2.25	0.69	0.248	OI	|	|	|	|	0.80
2.083	2.20	0.72	0.258	OI	|	|	|	|	0.83
2.167	2.27	0.75	0.268	OI	|	|	|	|	0.87
2.250	2.35	0.78	0.279	OI	|	|	|	|	0.90
2.333	2.36	0.81	0.290	OI	|	|	|	|	0.93
2.417	2.36	0.84	0.300	OI	|	|	|	|	0.97
2.500	2.36	0.87	0.311	OI	|	|	|	|	1.00
2.583	2.36	0.90	0.321	OI	|	|	|	|	1.03
2.667	2.36	0.93	0.331	OI	|	|	|	|	1.06
2.750	2.51	0.96	0.341	OI	|	|	|	|	1.09
2.833	2.61	0.99	0.352	OI	|	|	|	|	1.12
2.917	2.62	1.02	0.363	OI	|	|	|	|	1.15
3.000	2.62	1.05	0.374	OI	|	|	|	|	1.18
3.083	2.62	1.08	0.385	OI	|	|	|	|	1.21
3.167	2.77	1.11	0.396	OI	|	|	|	|	1.25
3.250	2.87	1.15	0.407	OI	|	|	|	|	1.28
3.333	2.89	1.18	0.419	OI	|	|	|	|	1.31
3.417	3.04	1.21	0.431	OI	|	|	|	|	1.35
3.500	3.28	1.25	0.445	O I	|	|	|	|	1.38
3.583	3.55	1.29	0.459	O I	|	|	|	|	1.43
3.667	3.66	1.34	0.475	O I	|	|	|	|	1.47
3.750	3.82	1.38	0.492	O I	|	|	|	|	1.52
3.833	3.92	1.43	0.509	O I	|	|	|	|	1.57
3.917	4.09	1.48	0.526	O I	|	|	|	|	1.62
4.000	4.18	1.53	0.544	|OI	|	|	|	|	1.67
4.083	4.35	1.59	0.563	|OI	|	|	|	|	1.72
4.167	4.60	1.64	0.583	|O I	|	|	|	|	1.78
4.250	4.86	1.70	0.604	|O I	|	|	|	|	1.84
4.333	5.31	1.77	0.627	|O I	|	|	|	|	1.90
4.417	6.32	1.84	0.654	|O I	|	|	|	|	1.98
4.500	6.85	1.90	0.687	|O I	|	|	|	|	2.07
4.583	7.71	1.95	0.724	|O I	|	|	|	|	2.16
4.667	8.98	2.02	0.767	|O I	|	|	|	|	2.27
4.750	10.34	2.09	0.820	|O I	|	|	|	|	2.40
4.833	10.92	2.18	0.878	|O I|	|	|	|	2.55
4.917	11.78	4.98	0.932	| O I|	|	|	|	2.68
5.000	13.05	11.57	0.960	| OI	|	|	|	2.74
5.083	17.50	14.86	0.975	| |O I	|	|	|	2.78
5.167	23.96	20.06	0.997	| | O I|	|	|	2.83
5.250	29.19	25.83	1.022	| | O I	|	|	2.89
5.333	33.42	30.68	1.043	| | | OI	|	|	2.94
5.417	39.03	35.59	1.064	| | | O|I	|	|	2.99
5.500	48.75	**44.96**	**1.089**	| | | | **O I**	|	|	**3.04**
5.583	25.43	35.98	1.066	| | I O|	|	|	2.99
5.667	6.44	18.22	0.989	| I | O |	|	|	2.81
5.750	2.07	5.85	0.936	|I O	|	|	|	|	2.69
5.833	1.47	2.24	0.920	IO	|	|	|	|	2.65
5.917	1.03	2.23	0.913	IO	|	|	|	|	2.63
6.000	0.67	2.22	0.904	IO	|	|	|	|	2.61

6.083	0.24	2.20	0.892	IO				2.58
6.167	0.03	2.18	0.878	IO				2.54
6.250	0.00	2.16	0.863	IO				2.51
6.333	0.00	2.13	0.848	IO				2.47
6.417	0.00	2.11	0.833	IO				2.43
6.500	0.00	2.09	0.819	IO				2.40
6.583	0.00	2.07	0.804	IO				2.36
6.667	0.00	2.05	0.790	IO				2.33
6.750	0.00	2.03	0.776	IO				2.29
6.833	0.00	2.01	0.762	IO				2.26
6.917	0.00	1.99	0.749	IO				2.22
7.000	0.00	1.97	0.735	IO				2.19
7.083	0.00	1.95	0.721	IO				2.15
7.167	0.00	1.93	0.708	IO				2.12
7.250	0.00	1.91	0.695	IO				2.09
7.333	0.00	1.89	0.682	IO				2.05
7.417	0.00	1.87	0.669	IO				2.02
7.500	0.00	1.85	0.656	IO				1.99
7.583	0.00	1.81	0.643	IO				1.95
7.667	0.00	1.78	0.631	IO				1.92
7.750	0.00	1.74	0.619	IO				1.88
7.833	0.00	1.71	0.607	IO				1.85
7.917	0.00	1.68	0.595	IO				1.82
8.000	0.00	1.64	0.584	IO				1.78
8.083	0.00	1.61	0.573	IO				1.75
8.167	0.00	1.58	0.562	IO				1.72
8.250	0.00	1.55	0.551	IO				1.69
8.333	0.00	1.52	0.540	O				1.66
8.417	0.00	1.49	0.530	O				1.63
8.500	0.00	1.46	0.520	O				1.60
8.583	0.00	1.43	0.510	O				1.57
8.667	0.00	1.41	0.500	O				1.54
8.750	0.00	1.38	0.490	O				1.52
8.833	0.00	1.35	0.481	O				1.49
8.917	0.00	1.33	0.472	O				1.46
9.000	0.00	1.30	0.463	O				1.44
9.083	0.00	1.28	0.454	O				1.41
9.167	0.00	1.25	0.445	O				1.39
9.250	0.00	1.23	0.437	O				1.36
9.333	0.00	1.20	0.428	O				1.34
9.417	0.00	1.18	0.420	O				1.31
9.500	0.00	1.16	0.412	O				1.29
9.583	0.00	1.14	0.404	O				1.27
9.667	0.00	1.11	0.396	O				1.25
9.750	0.00	1.09	0.389	O				1.22
9.833	0.00	1.07	0.381	O				1.20
9.917	0.00	1.05	0.374	O				1.18
10.000	0.00	1.03	0.367	O				1.16
10.083	0.00	1.01	0.360	O				1.14
10.167	0.00	0.99	0.353	O				1.12
10.250	0.00	0.97	0.346	O				1.10
10.333	0.00	0.95	0.339	O				1.08
10.417	0.00	0.93	0.333	O				1.07
10.500	0.00	0.92	0.327	O				1.05
10.583	0.00	0.90	0.320	O				1.03
10.667	0.00	0.88	0.314	O				1.01
10.750	0.00	0.86	0.308	O				0.99
10.833	0.00	0.85	0.302	O				0.97
10.917	0.00	0.83	0.296	O				0.96
11.000	0.00	0.82	0.291	O				0.94
11.083	0.00	0.80	0.285	O				0.92
11.167	0.00	0.79	0.280	O				0.90
11.250	0.00	0.77	0.274	O				0.89
11.333	0.00	0.76	0.269	O				0.87
11.417	0.00	0.74	0.264	O				0.85
11.500	0.00	0.73	0.259	O				0.84
11.583	0.00	0.71	0.254	O				0.82

11.667	0.00	0.70	0.249	O	|	|	|	0.80
11.750	0.00	0.69	0.244	O	|	|	|	0.79
11.833	0.00	0.67	0.240	O	|	|	|	0.77
11.917	0.00	0.66	0.235	O	|	|	|	0.76
12.000	0.00	0.65	0.231	O	|	|	|	0.74
12.083	0.00	0.63	0.226	O	|	|	|	0.73
12.167	0.00	0.62	0.222	O	|	|	|	0.72
12.250	0.00	0.61	0.218	O	|	|	|	0.70
12.333	0.00	0.60	0.213	O	|	|	|	0.69
12.417	0.00	0.59	0.209	O	|	|	|	0.68
12.500	0.00	0.58	0.205	O	|	|	|	0.66
12.583	0.00	0.57	0.201	O	|	|	|	0.65
12.667	0.00	0.55	0.198	O	|	|	|	0.64
12.750	0.00	0.54	0.194	O	|	|	|	0.63
12.833	0.00	0.53	0.190	O	|	|	|	0.61
12.917	0.00	0.52	0.186	O	|	|	|	0.60
13.000	0.00	0.51	0.183	O	|	|	|	0.59
13.083	0.00	0.50	0.179	O	|	|	|	0.58
13.167	0.00	0.49	0.176	O	|	|	|	0.57
13.250	0.00	0.48	0.173	O	|	|	|	0.56
13.333	0.00	0.47	0.169	O	|	|	|	0.55
13.417	0.00	0.47	0.166	O	|	|	|	0.54
13.500	0.00	0.46	0.163	O	|	|	|	0.53
13.583	0.00	0.45	0.160	O	|	|	|	0.52
13.667	0.00	0.44	0.157	O	|	|	|	0.51
13.750	0.00	0.43	0.154	O	|	|	|	0.50
13.833	0.00	0.42	0.151	O	|	|	|	0.49
13.917	0.00	0.41	0.148	O	|	|	|	0.48
14.000	0.00	0.41	0.145	O	|	|	|	0.47
14.083	0.00	0.40	0.142	O	|	|	|	0.46
14.167	0.00	0.39	0.139	O	|	|	|	0.45
14.250	0.00	0.38	0.137	O	|	|	|	0.44
14.333	0.00	0.38	0.134	O	|	|	|	0.43
14.417	0.00	0.37	0.132	O	|	|	|	0.42
14.500	0.00	0.36	0.129	O	|	|	|	0.42
14.583	0.00	0.36	0.127	O	|	|	|	0.41
14.667	0.00	0.35	0.124	O	|	|	|	0.40
14.750	0.00	0.34	0.122	O	|	|	|	0.39
14.833	0.00	0.34	0.120	O	|	|	|	0.39
14.917	0.00	0.33	0.117	O	|	|	|	0.38
15.000	0.00	0.32	0.115	O	|	|	|	0.37
15.083	0.00	0.32	0.113	O	|	|	|	0.36
15.167	0.00	0.31	0.111	O	|	|	|	0.36
15.250	0.00	0.30	0.109	O	|	|	|	0.35
15.333	0.00	0.30	0.106	O	|	|	|	0.34
15.417	0.00	0.29	0.104	O	|	|	|	0.34
15.500	0.00	0.29	0.102	O	|	|	|	0.33
15.583	0.00	0.28	0.100	O	|	|	|	0.32
15.667	0.00	0.28	0.099	O	|	|	|	0.32
15.750	0.00	0.27	0.097	O	|	|	|	0.31
15.833	0.00	0.27	0.095	O	|	|	|	0.31
15.917	0.00	0.26	0.093	O	|	|	|	0.30
16.000	0.00	0.26	0.091	O	|	|	|	0.29
16.083	0.00	0.25	0.089	O	|	|	|	0.29
16.167	0.00	0.25	0.088	O	|	|	|	0.28
16.250	0.00	0.24	0.086	O	|	|	|	0.28
16.333	0.00	0.24	0.084	O	|	|	|	0.27
16.417	0.00	0.23	0.083	O	|	|	|	0.27
16.500	0.00	0.23	0.081	O	|	|	|	0.26
16.583	0.00	0.22	0.080	O	|	|	|	0.26
16.667	0.00	0.22	0.078	O	|	|	|	0.25
16.750	0.00	0.22	0.077	O	|	|	|	0.25
16.833	0.00	0.21	0.075	O	|	|	|	0.24
16.917	0.00	0.21	0.074	O	|	|	|	0.24
17.000	0.00	0.20	0.072	O	|	|	|	0.23
17.083	0.00	0.20	0.071	O	|	|	|	0.23
17.167	0.00	0.20	0.070	O	|	|	|	0.22

17.250	0.00	0.19	0.068	O	|	|	|	|	0.22
17.333	0.00	0.19	0.067	O	|	|	|	|	0.22
17.417	0.00	0.18	0.066	O	|	|	|	|	0.21
17.500	0.00	0.18	0.064	O	|	|	|	|	0.21
17.583	0.00	0.18	0.063	O	|	|	|	|	0.20
17.667	0.00	0.17	0.062	O	|	|	|	|	0.20
17.750	0.00	0.17	0.061	O	|	|	|	|	0.20
17.833	0.00	0.17	0.060	O	|	|	|	|	0.19
17.917	0.00	0.16	0.058	O	|	|	|	|	0.19
18.000	0.00	0.16	0.057	O	|	|	|	|	0.18
18.083	0.00	0.16	0.056	O	|	|	|	|	0.18
18.167	0.00	0.15	0.055	O	|	|	|	|	0.18
18.250	0.00	0.15	0.054	O	|	|	|	|	0.17
18.333	0.00	0.15	0.053	O	|	|	|	|	0.17
18.417	0.00	0.15	0.052	O	|	|	|	|	0.17
18.500	0.00	0.14	0.051	O	|	|	|	|	0.16
18.583	0.00	0.14	0.050	O	|	|	|	|	0.16
18.667	0.00	0.14	0.049	O	|	|	|	|	0.16
18.750	0.00	0.14	0.048	O	|	|	|	|	0.16
18.833	0.00	0.13	0.047	O	|	|	|	|	0.15
18.917	0.00	0.13	0.046	O	|	|	|	|	0.15
19.000	0.00	0.13	0.045	O	|	|	|	|	0.15
19.083	0.00	0.13	0.045	O	|	|	|	|	0.14
19.167	0.00	0.12	0.044	O	|	|	|	|	0.14
19.250	0.00	0.12	0.043	O	|	|	|	|	0.14
19.333	0.00	0.12	0.042	O	|	|	|	|	0.14
19.417	0.00	0.12	0.041	O	|	|	|	|	0.13
19.500	0.00	0.11	0.040	O	|	|	|	|	0.13
19.583	0.00	0.11	0.040	O	|	|	|	|	0.13
19.667	0.00	0.11	0.039	O	|	|	|	|	0.13
19.750	0.00	0.11	0.038	O	|	|	|	|	0.12
19.833	0.00	0.11	0.037	O	|	|	|	|	0.12
19.917	0.00	0.10	0.037	O	|	|	|	|	0.12
20.000	0.00	0.10	0.036	O	|	|	|	|	0.12
20.083	0.00	0.10	0.035	O	|	|	|	|	0.11
20.167	0.00	0.10	0.035	O	|	|	|	|	0.11
20.250	0.00	0.10	0.034	O	|	|	|	|	0.11
20.333	0.00	0.09	0.033	O	|	|	|	|	0.11
20.417	0.00	0.09	0.033	O	|	|	|	|	0.11
20.500	0.00	0.09	0.032	O	|	|	|	|	0.10
20.583	0.00	0.09	0.031	O	|	|	|	|	0.10
20.667	0.00	0.09	0.031	O	|	|	|	|	0.10
20.750	0.00	0.09	0.030	O	|	|	|	|	0.10
20.833	0.00	0.08	0.030	O	|	|	|	|	0.10
20.917	0.00	0.08	0.029	O	|	|	|	|	0.09
21.000	0.00	0.08	0.029	O	|	|	|	|	0.09
21.083	0.00	0.08	0.028	O	|	|	|	|	0.09
21.167	0.00	0.08	0.028	O	|	|	|	|	0.09
21.250	0.00	0.08	0.027	O	|	|	|	|	0.09
21.333	0.00	0.07	0.026	O	|	|	|	|	0.09
21.417	0.00	0.07	0.026	O	|	|	|	|	0.08
21.500	0.00	0.07	0.025	O	|	|	|	|	0.08
21.583	0.00	0.07	0.025	O	|	|	|	|	0.08
21.667	0.00	0.07	0.024	O	|	|	|	|	0.08
21.750	0.00	0.07	0.024	O	|	|	|	|	0.08
21.833	0.00	0.07	0.024	O	|	|	|	|	0.08
21.917	0.00	0.06	0.023	O	|	|	|	|	0.07
22.000	0.00	0.06	0.023	O	|	|	|	|	0.07
22.083	0.00	0.06	0.022	O	|	|	|	|	0.07
22.167	0.00	0.06	0.022	O	|	|	|	|	0.07
22.250	0.00	0.06	0.021	O	|	|	|	|	0.07
22.333	0.00	0.06	0.021	O	|	|	|	|	0.07
22.417	0.00	0.06	0.021	O	|	|	|	|	0.07
22.500	0.00	0.06	0.020	O	|	|	|	|	0.07
22.583	0.00	0.06	0.020	O	|	|	|	|	0.06
22.667	0.00	0.05	0.019	O	|	|	|	|	0.06
22.750	0.00	0.05	0.019	O	|	|	|	|	0.06

22.833	0.00	0.05	0.019	O	|	|	|	0.06
22.917	0.00	0.05	0.018	O	|	|	|	0.06
23.000	0.00	0.05	0.018	O	|	|	|	0.06
23.083	0.00	0.05	0.018	O	|	|	|	0.06
23.167	0.00	0.05	0.017	O	|	|	|	0.06
23.250	0.00	0.05	0.017	O	|	|	|	0.05
23.333	0.00	0.05	0.017	O	|	|	|	0.05
23.417	0.00	0.05	0.016	O	|	|	|	0.05
23.500	0.00	0.04	0.016	O	|	|	|	0.05
23.583	0.00	0.04	0.016	O	|	|	|	0.05
23.667	0.00	0.04	0.015	O	|	|	|	0.05
23.750	0.00	0.04	0.015	O	|	|	|	0.05
23.833	0.00	0.04	0.015	O	|	|	|	0.05
23.917	0.00	0.04	0.015	O	|	|	|	0.05
24.000	0.00	0.04	0.014	O	|	|	|	0.05
24.083	0.00	0.04	0.014	O	|	|	|	0.05
24.167	0.00	0.04	0.014	O	|	|	|	0.04
24.250	0.00	0.04	0.013	O	|	|	|	0.04
24.333	0.00	0.04	0.013	O	|	|	|	0.04
24.417	0.00	0.04	0.013	O	|	|	|	0.04
24.500	0.00	0.04	0.013	O	|	|	|	0.04
24.583	0.00	0.03	0.012	O	|	|	|	0.04
24.667	0.00	0.03	0.012	O	|	|	|	0.04
24.750	0.00	0.03	0.012	O	|	|	|	0.04
24.833	0.00	0.03	0.012	O	|	|	|	0.04
24.917	0.00	0.03	0.012	O	|	|	|	0.04
25.000	0.00	0.03	0.011	O	|	|	|	0.04
25.083	0.00	0.03	0.011	O	|	|	|	0.04
25.167	0.00	0.03	0.011	O	|	|	|	0.04
25.250	0.00	0.03	0.011	O	|	|	|	0.03
25.333	0.00	0.03	0.010	O	|	|	|	0.03
25.417	0.00	0.03	0.010	O	|	|	|	0.03
25.500	0.00	0.03	0.010	O	|	|	|	0.03
25.583	0.00	0.03	0.010	O	|	|	|	0.03
25.667	0.00	0.03	0.010	O	|	|	|	0.03
25.750	0.00	0.03	0.010	O	|	|	|	0.03
25.833	0.00	0.03	0.009	O	|	|	|	0.03
25.917	0.00	0.03	0.009	O	|	|	|	0.03
26.000	0.00	0.03	0.009	O	|	|	|	0.03
26.083	0.00	0.02	0.009	O	|	|	|	0.03
26.167	0.00	0.02	0.009	O	|	|	|	0.03
26.250	0.00	0.02	0.008	O	|	|	|	0.03
26.333	0.00	0.02	0.008	O	|	|	|	0.03
26.417	0.00	0.02	0.008	O	|	|	|	0.03
26.500	0.00	0.02	0.008	O	|	|	|	0.03
26.583	0.00	0.02	0.008	O	|	|	|	0.03
26.667	0.00	0.02	0.008	O	|	|	|	0.02
26.750	0.00	0.02	0.008	O	|	|	|	0.02
26.833	0.00	0.02	0.007	O	|	|	|	0.02
26.917	0.00	0.02	0.007	O	|	|	|	0.02
27.000	0.00	0.02	0.007	O	|	|	|	0.02
27.083	0.00	0.02	0.007	O	|	|	|	0.02
27.167	0.00	0.02	0.007	O	|	|	|	0.02
27.250	0.00	0.02	0.007	O	|	|	|	0.02
27.333	0.00	0.02	0.007	O	|	|	|	0.02
27.417	0.00	0.02	0.006	O	|	|	|	0.02
27.500	0.00	0.02	0.006	O	|	|	|	0.02
27.583	0.00	0.02	0.006	O	|	|	|	0.02
27.667	0.00	0.02	0.006	O	|	|	|	0.02
27.750	0.00	0.02	0.006	O	|	|	|	0.02
27.833	0.00	0.02	0.006	O	|	|	|	0.02
27.917	0.00	0.02	0.006	O	|	|	|	0.02
28.000	0.00	0.02	0.006	O	|	|	|	0.02
28.083	0.00	0.02	0.006	O	|	|	|	0.02
28.167	0.00	0.02	0.005	O	|	|	|	0.02
28.250	0.00	0.01	0.005	O	|	|	|	0.02
28.333	0.00	0.01	0.005	O	|	|	|	0.02

28.417	0.00	0.01	0.005	O	|	|	|	0.02
28.500	0.00	0.01	0.005	O	|	|	|	0.02
28.583	0.00	0.01	0.005	O	|	|	|	0.02
28.667	0.00	0.01	0.005	O	|	|	|	0.02
28.750	0.00	0.01	0.005	O	|	|	|	0.02
28.833	0.00	0.01	0.005	O	|	|	|	0.01
28.917	0.00	0.01	0.005	O	|	|	|	0.01
29.000	0.00	0.01	0.004	O	|	|	|	0.01
29.083	0.00	0.01	0.004	O	|	|	|	0.01
29.167	0.00	0.01	0.004	O	|	|	|	0.01
29.250	0.00	0.01	0.004	O	|	|	|	0.01
29.333	0.00	0.01	0.004	O	|	|	|	0.01
29.417	0.00	0.01	0.004	O	|	|	|	0.01
29.500	0.00	0.01	0.004	O	|	|	|	0.01
29.583	0.00	0.01	0.004	O	|	|	|	0.01
29.667	0.00	0.01	0.004	O	|	|	|	0.01
29.750	0.00	0.01	0.004	O	|	|	|	0.01
29.833	0.00	0.01	0.004	O	|	|	|	0.01
29.917	0.00	0.01	0.004	O	|	|	|	0.01
30.000	0.00	0.01	0.004	O	|	|	|	0.01
30.083	0.00	0.01	0.003	O	|	|	|	0.01
30.167	0.00	0.01	0.003	O	|	|	|	0.01
30.250	0.00	0.01	0.003	O	|	|	|	0.01
30.333	0.00	0.01	0.003	O	|	|	|	0.01
30.417	0.00	0.01	0.003	O	|	|	|	0.01
30.500	0.00	0.01	0.003	O	|	|	|	0.01
30.583	0.00	0.01	0.003	O	|	|	|	0.01
30.667	0.00	0.01	0.003	O	|	|	|	0.01
30.750	0.00	0.01	0.003	O	|	|	|	0.01
30.833	0.00	0.01	0.003	O	|	|	|	0.01
30.917	0.00	0.01	0.003	O	|	|	|	0.01
31.000	0.00	0.01	0.003	O	|	|	|	0.01
31.083	0.00	0.01	0.003	O	|	|	|	0.01
31.167	0.00	0.01	0.003	O	|	|	|	0.01
31.250	0.00	0.01	0.003	O	|	|	|	0.01
31.333	0.00	0.01	0.003	O	|	|	|	0.01
31.417	0.00	0.01	0.003	O	|	|	|	0.01
31.500	0.00	0.01	0.003	O	|	|	|	0.01
31.583	0.00	0.01	0.002	O	|	|	|	0.01
31.667	0.00	0.01	0.002	O	|	|	|	0.01
31.750	0.00	0.01	0.002	O	|	|	|	0.01
31.833	0.00	0.01	0.002	O	|	|	|	0.01
31.917	0.00	0.01	0.002	O	|	|	|	0.01
32.000	0.00	0.01	0.002	O	|	|	|	0.01
32.083	0.00	0.01	0.002	O	|	|	|	0.01
32.167	0.00	0.01	0.002	O	|	|	|	0.01
32.250	0.00	0.01	0.002	O	|	|	|	0.01
32.333	0.00	0.01	0.002	O	|	|	|	0.01
32.417	0.00	0.01	0.002	O	|	|	|	0.01
32.500	0.00	0.01	0.002	O	|	|	|	0.01
32.583	0.00	0.01	0.002	O	|	|	|	0.01
32.667	0.00	0.01	0.002	O	|	|	|	0.01
32.750	0.00	0.01	0.002	O	|	|	|	0.01
32.833	0.00	0.01	0.002	O	|	|	|	0.01
32.917	0.00	0.01	0.002	O	|	|	|	0.01
33.000	0.00	0.00	0.002	O	|	|	|	0.01
33.083	0.00	0.00	0.002	O	|	|	|	0.01
33.167	0.00	0.00	0.002	O	|	|	|	0.01
33.250	0.00	0.00	0.002	O	|	|	|	0.01
33.333	0.00	0.00	0.002	O	|	|	|	0.01
33.417	0.00	0.00	0.002	O	|	|	|	0.01
33.500	0.00	0.00	0.002	O	|	|	|	0.01
33.583	0.00	0.00	0.002	O	|	|	|	0.00
33.667	0.00	0.00	0.002	O	|	|	|	0.00
33.750	0.00	0.00	0.001	O	|	|	|	0.00
33.833	0.00	0.00	0.001	O	|	|	|	0.00
33.917	0.00	0.00	0.001	O	|	|	|	0.00

34.000	0.00	0.00	0.001	O					0.00
34.083	0.00	0.00	0.001	O					0.00
34.167	0.00	0.00	0.001	O					0.00
34.250	0.00	0.00	0.001	O					0.00
34.333	0.00	0.00	0.001	O					0.00
34.417	0.00	0.00	0.001	O					0.00
34.500	0.00	0.00	0.001	O					0.00
34.583	0.00	0.00	0.001	O					0.00
34.667	0.00	0.00	0.001	O					0.00
34.750	0.00	0.00	0.001	O					0.00
34.833	0.00	0.00	0.001	O					0.00
34.917	0.00	0.00	0.001	O					0.00
35.000	0.00	0.00	0.001	O					0.00
35.083	0.00	0.00	0.001	O					0.00
35.167	0.00	0.00	0.001	O					0.00
35.250	0.00	0.00	0.001	O					0.00
35.333	0.00	0.00	0.001	O					0.00
35.417	0.00	0.00	0.001	O					0.00
35.500	0.00	0.00	0.001	O					0.00
35.583	0.00	0.00	0.001	O					0.00
35.667	0.00	0.00	0.001	O					0.00
35.750	0.00	0.00	0.001	O					0.00
35.833	0.00	0.00	0.001	O					0.00
35.917	0.00	0.00	0.001	O					0.00
36.000	0.00	0.00	0.001	O					0.00
36.083	0.00	0.00	0.001	O					0.00
36.167	0.00	0.00	0.001	O					0.00
36.250	0.00	0.00	0.001	O					0.00
36.333	0.00	0.00	0.001	O					0.00
36.417	0.00	0.00	0.001	O					0.00
36.500	0.00	0.00	0.001	O					0.00
36.583	0.00	0.00	0.001	O					0.00
36.667	0.00	0.00	0.001	O					0.00
36.750	0.00	0.00	0.001	O					0.00
36.833	0.00	0.00	0.001	O					0.00
36.917	0.00	0.00	0.001	O					0.00
37.000	0.00	0.00	0.001	O					0.00
37.083	0.00	0.00	0.001	O					0.00
37.167	0.00	0.00	0.001	O					0.00
37.250	0.00	0.00	0.001	O					0.00
37.333	0.00	0.00	0.001	O					0.00
37.417	0.00	0.00	0.001	O					0.00
37.500	0.00	0.00	0.001	O					0.00
37.583	0.00	0.00	0.001	O					0.00
37.667	0.00	0.00	0.001	O					0.00
37.750	0.00	0.00	0.001	O					0.00
37.833	0.00	0.00	0.001	O					0.00
37.917	0.00	0.00	0.001	O					0.00
38.000	0.00	0.00	0.001	O					0.00
38.083	0.00	0.00	0.001	O					0.00
38.167	0.00	0.00	0.001	O					0.00
38.250	0.00	0.00	0.001	O					0.00
38.333	0.00	0.00	0.001	O					0.00
38.417	0.00	0.00	0.001	O					0.00
38.500	0.00	0.00	0.000	O					0.00
38.583	0.00	0.00	0.000	O					0.00
38.667	0.00	0.00	0.000	O					0.00
38.750	0.00	0.00	0.000	O					0.00
38.833	0.00	0.00	0.000	O					0.00
38.917	0.00	0.00	0.000	O					0.00
39.000	0.00	0.00	0.000	O					0.00
39.083	0.00	0.00	0.000	O					0.00
39.167	0.00	0.00	0.000	O					0.00
39.250	0.00	0.00	0.000	O					0.00
39.333	0.00	0.00	0.000	O					0.00
39.417	0.00	0.00	0.000	O					0.00
39.500	0.00	0.00	0.000	O					0.00

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39.583    0.00    0.00      0.000  O       |       |       |       |     0.00
39.667    0.00    0.00      0.000  O       |       |       |       |     0.00
39.750    0.00    0.00      0.000  O       |       |       |       |     0.00
39.833    0.00    0.00      0.000  O       |       |       |       |     0.00
39.917    0.00    0.00      0.000  O       |       |       |       |     0.00

     ****************************HYDROGRAPH DATA****************************
                 Number of intervals =   479
                 Time interval =    5.0 (Min.)
                 Maximum/Peak flow rate =       44.955 (CFS)
                 Total volume =       3.023 (Ac.Ft)
           Status of hydrographs being held in storage
                     Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
           Peak (CFS)      0.000     0.000     0.000     0.000     0.000
           Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
     ***********************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/27/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRA2410.rte
**********HYDROGRAPH DATA**********
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 13.067 (CFS)
Total volume = 4.300 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN A- ROUTING
10YR-24HR STORM

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.870	0.307	0.313
2.000	0.660	1.860	0.654	0.666
2.650	0.920	2.240	0.912	0.928
3.000	1.070	36.900	0.943	1.197
3.500	1.300	133.130	0.842	1.758
4.000	1.900	264.030	0.991	2.809

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 3.3 6.53 9.80 13.07	Depth (Ft.)
0.083	0.21	0.00	0.001	O | | | |	0.00
0.167	0.34	0.01	0.003	O | | | |	0.01
0.250	0.36	0.01	0.005	O | | | |	0.02
0.333	0.46	0.02	0.008	OI | | | |	0.02
0.417	0.53	0.03	0.011	OI | | | |	0.03

0.500	0.54	0.04	0.014	OI	|	|	|	0.05
0.583	0.54	0.05	0.018	OI	|	|	|	0.06
0.667	0.54	0.06	0.021	OI	|	|	|	0.07
0.750	0.54	0.07	0.024	OI	|	|	|	0.08
0.833	0.64	0.08	0.028	OI	|	|	|	0.09
0.917	0.71	0.09	0.032	OI	|	|	|	0.10
1.000	0.72	0.10	0.036	OI	|	|	|	0.12
1.083	0.62	0.11	0.040	OI	|	|	|	0.13
1.167	0.55	0.12	0.043	OI	|	|	|	0.14
1.250	0.54	0.13	0.046	OI	|	|	|	0.15
1.333	0.54	0.14	0.049	OI	|	|	|	0.16
1.417	0.54	0.14	0.052	OI	|	|	|	0.17
1.500	0.54	0.15	0.054	OI	|	|	|	0.18
1.583	0.54	0.16	0.057	OI	|	|	|	0.18
1.667	0.54	0.17	0.060	OI	|	|	|	0.19
1.750	0.54	0.17	0.062	OI	|	|	|	0.20
1.833	0.64	0.18	0.065	OI	|	|	|	0.21
1.917	0.71	0.19	0.068	OI	|	|	|	0.22
2.000	0.72	0.20	0.072	OI	|	|	|	0.23
2.083	0.72	0.21	0.075	OI	|	|	|	0.24
2.167	0.72	0.22	0.079	OI	|	|	|	0.25
2.250	0.72	0.23	0.082	OI	|	|	|	0.27
2.333	0.72	0.24	0.086	OI	|	|	|	0.28
2.417	0.72	0.25	0.089	OI	|	|	|	0.29
2.500	0.72	0.26	0.092	OI	|	|	|	0.30
2.583	0.82	0.27	0.096	O I	|	|	|	0.31
2.667	0.89	0.28	0.100	O I	|	|	|	0.32
2.750	0.90	0.29	0.104	O I	|	|	|	0.33
2.833	0.90	0.30	0.108	O I	|	|	|	0.35
2.917	0.90	0.31	0.112	O I	|	|	|	0.36
3.000	0.90	0.33	0.116	O I	|	|	|	0.37
3.083	0.90	0.34	0.120	O I	|	|	|	0.39
3.167	0.90	0.35	0.124	O I	|	|	|	0.40
3.250	0.90	0.36	0.127	O I	|	|	|	0.41
3.333	0.90	0.37	0.131	O I	|	|	|	0.42
3.417	0.90	0.38	0.135	O I	|	|	|	0.43
3.500	0.90	0.39	0.138	O I	|	|	|	0.45
3.583	0.90	0.40	0.142	O I	|	|	|	0.46
3.667	0.90	0.41	0.145	O I	|	|	|	0.47
3.750	0.90	0.42	0.149	|OI	|	|	|	0.48
3.833	1.00	0.43	0.152	|OI	|	|	|	0.49
3.917	1.07	0.44	0.156	|OI	|	|	|	0.50
4.000	1.08	0.45	0.161	|OI	|	|	|	0.52
4.083	1.08	0.46	0.165	|OI	|	|	|	0.53
4.167	1.08	0.47	0.169	|OI	|	|	|	0.55
4.250	1.08	0.49	0.173	|OI	|	|	|	0.56
4.333	1.18	0.50	0.178	|OI	|	|	|	0.57
4.417	1.25	0.51	0.182	|O I	|	|	|	0.59
4.500	1.26	0.53	0.188	|O I	|	|	|	0.60
4.583	1.26	0.54	0.193	|O I	|	|	|	0.62
4.667	1.26	0.55	0.197	|O I	|	|	|	0.64
4.750	1.26	0.57	0.202	|O I	|	|	|	0.65
4.833	1.36	0.58	0.207	|O I	|	|	|	0.67
4.917	1.43	0.60	0.213	|O I	|	|	|	0.69
5.000	1.44	0.61	0.219	|O I	|	|	|	0.70
5.083	1.23	0.63	0.223	|O I	|	|	|	0.72
5.167	1.10	0.64	0.227	|OI	|	|	|	0.73
5.250	1.08	0.65	0.230	|OI	|	|	|	0.74
5.333	1.18	0.66	0.233	|OI	|	|	|	0.75
5.417	1.25	0.67	0.237	|O I	|	|	|	0.77
5.500	1.26	0.68	0.241	|O I	|	|	|	0.78
5.583	1.36	0.69	0.246	|O I	|	|	|	0.79
5.667	1.43	0.70	0.250	|O I	|	|	|	0.81
5.750	1.44	0.72	0.255	|O I	|	|	|	0.82
5.833	1.44	0.73	0.260	|O I	|	|	|	0.84
5.917	1.44	0.74	0.265	|O I	|	|	|	0.86
6.000	1.44	0.76	0.270	|O I	|	|	|	0.87

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 6.083    1.54    0.77      0.275  |O I    |        |        |        |      0.89
 6.167    1.61    0.79      0.280  |O I    |        |        |        |      0.90
 6.250    1.62    0.80      0.286  |O I    |        |        |        |      0.92
 6.333    1.62    0.82      0.292  | OI    |        |        |        |      0.94
 6.417    1.62    0.83      0.297  | OI    |        |        |        |      0.96
 6.500    1.62    0.85      0.302  | OI    |        |        |        |      0.98
 6.583    1.72    0.86      0.308  | O I   |        |        |        |      0.99
 6.667    1.79    0.88      0.314  | O I   |        |        |        |      1.01
 6.750    1.80    0.90      0.320  | O I   |        |        |        |      1.03
 6.833    1.80    0.92      0.326  | O I   |        |        |        |      1.05
 6.917    1.80    0.93      0.332  | O I   |        |        |        |      1.06
 7.000    1.80    0.95      0.338  | O I   |        |        |        |      1.08
 7.083    1.80    0.97      0.344  | O I   |        |        |        |      1.10
 7.167    1.80    0.98      0.350  | O I   |        |        |        |      1.11
 7.250    1.80    1.00      0.355  | O I   |        |        |        |      1.13
 7.333    1.90    1.01      0.361  | O I   |        |        |        |      1.15
 7.417    1.97    1.03      0.367  | O I   |        |        |        |      1.16
 7.500    1.98    1.05      0.374  | O I   |        |        |        |      1.18
 7.583    2.08    1.07      0.380  | O  I  |        |        |        |      1.20
 7.667    2.15    1.09      0.387  | O  I  |        |        |        |      1.22
 7.750    2.16    1.11      0.395  | O  I  |        |        |        |      1.24
 7.833    2.26    1.13      0.402  | O  I  |        |        |        |      1.26
 7.917    2.33    1.15      0.410  | O  I  |        |        |        |      1.29
 8.000    2.34    1.18      0.418  | O  I  |        |        |        |      1.31
 8.083    2.54    1.20      0.427  | O   I |        |        |        |      1.33
 8.167    2.67    1.23      0.436  |  O  I |        |        |        |      1.36
 8.250    2.70    1.26      0.446  |  O  I |        |        |        |      1.39
 8.333    2.70    1.28      0.456  |  O  I |        |        |        |      1.42
 8.417    2.70    1.31      0.466  |  O  I |        |        |        |      1.45
 8.500    2.70    1.34      0.475  |  O  I |        |        |        |      1.47
 8.583    2.80    1.36      0.485  |  O  I |        |        |        |      1.50
 8.667    2.86    1.39      0.495  |  O   I|        |        |        |      1.53
 8.750    2.88    1.42      0.505  |  O   I|        |        |        |      1.56
 8.833    2.98    1.45      0.515  |  O   I|        |        |        |      1.59
 8.917    3.04    1.48      0.526  |  O   I|        |        |        |      1.62
 9.000    3.05    1.51      0.537  |  O   I|        |        |        |      1.65
 9.083    3.26    1.54      0.548  |  O   I|        |        |        |      1.68
 9.167    3.39    1.58      0.560  |  O    I        |        |        |      1.71
 9.250    3.41    1.61      0.572  |  O    I        |        |        |      1.75
 9.333    3.52    1.65      0.585  |   O   I        |        |        |      1.79
 9.417    3.58    1.68      0.598  |   O   I        |        |        |      1.82
 9.500    3.59    1.72      0.611  |   O   I        |        |        |      1.86
 9.583    3.70    1.76      0.624  |   O   |I       |        |        |      1.90
 9.667    3.76    1.80      0.638  |   O   |I       |        |        |      1.94
 9.750    3.77    1.83      0.651  |   O   |I       |        |        |      1.97
 9.833    3.88    1.87      0.665  |   O   |I       |        |        |      2.01
 9.917    3.94    1.89      0.679  |   O   |I       |        |        |      2.05
10.000    3.95    1.91      0.693  |   O   |I       |        |        |      2.08
10.083    3.23    1.92      0.704  |   O  I|        |        |        |      2.11
10.167    2.77    1.94      0.712  |   O I |        |        |        |      2.13
10.250    2.70    1.94      0.717  |   O I |        |        |        |      2.14
10.333    2.70    1.95      0.722  |   O I |        |        |        |      2.16
10.417    2.70    1.96      0.727  |   O I |        |        |        |      2.17
10.500    2.70    1.97      0.732  |   O I |        |        |        |      2.18
10.583    3.21    1.98      0.739  |   O  I|        |        |        |      2.20
10.667    3.54    1.99      0.749  |   O   I        |        |        |      2.22
10.750    3.59    2.01      0.760  |   O   I        |        |        |      2.25
10.833    3.59    2.02      0.770  |   O   I        |        |        |      2.28
10.917    3.59    2.04      0.781  |   O   I        |        |        |      2.30
11.000    3.59    2.05      0.792  |    O  I        |        |        |      2.33
11.083    3.49    2.07      0.802  |    O  I        |        |        |      2.36
11.167    3.43    2.08      0.812  |    O  I        |        |        |      2.38
11.250    3.41    2.10      0.821  |    O  I        |        |        |      2.40
11.333    3.41    2.11      0.830  |    O  I        |        |        |      2.42
11.417    3.41    2.12      0.839  |    O  I        |        |        |      2.45
11.500    3.41    2.13      0.848  |    O  I        |        |        |      2.47
11.583    3.21    2.15      0.856  |    O I|        |        |        |      2.49
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11.667	3.08	2.16	0.863	| O I|	|	|	|	2.51
11.750	3.05	2.17	0.869	| O I|	|	|	|	2.52
11.833	3.16	2.17	0.875	| O I|	|	|	|	2.54
11.917	3.22	2.18	0.882	| O I|	|	|	|	2.56
12.000	3.23	2.20	0.889	| O I|	|	|	|	2.57
12.083	3.95	2.21	0.899	| O |I	|	|	|	2.60
12.167	4.42	2.23	0.912	| O | I	|	|	|	2.63
12.250	4.49	3.24	0.924	| O| I	|	|	|	2.66
12.333	4.60	4.40	0.929	| | OI	|	|	|	2.67
12.417	4.66	4.60	0.930	| | O	|	|	|	2.67
12.500	4.67	4.66	0.930	| | O	|	|	|	2.67
12.583	5.71	5.13	0.933	| | OI	|	|	|	2.68
12.667	6.43	5.96	0.936	| | OI|	|	|	|	2.69
12.750	6.63	6.47	0.938	| | OI	|	|	|	2.69
12.833	7.26	6.89	0.940	| | OI	|	|	|	2.70
12.917	7.70	7.41	0.942	| | | O	|	|	|	2.70
13.000	7.85	7.74	0.944	| | | OI	|	|	|	2.71
13.083	10.60	9.06	0.950	| | | | O |I	|	|	2.72
13.167	12.41	11.23	0.959	| | | | | O | I |				2.74
13.250	12.78	12.44	0.964	| | | | | | OI|				2.75
13.333	12.88	12.79	0.966	| | | | | | O|				2.76
13.417	12.97	**12.91**	**0.966**	**| | | | | | O|**				**2.76**
13.500	13.07	13.01	0.967	| | | | | | OI				2.76
13.583	7.98	10.80	0.957	| | | | I | O |				2.74
13.667	4.67	6.83	0.940	| | I | O |				2.70
13.750	4.13	4.68	0.931	| | IO |				2.67
13.833	4.13	4.20	0.928	| | O |				2.67
13.917	4.13	4.14	0.928	| | O |				2.67
14.000	4.13	4.13	0.928	| | O |				2.67
14.083	5.92	4.93	0.932	| | O I |				2.68
14.167	7.13	6.34	0.938	| | | O|I				2.69
14.250	7.40	7.16	0.941	| | | |OI				2.70
14.333	6.96	7.18	0.941	| | | |O				2.70
14.417	6.71	6.87	0.940	| | | O				2.70
14.500	6.74	6.74	0.939	| | | O				2.70
14.583	6.83	6.78	0.940	| | | O				2.70
14.667	6.92	6.87	0.940	| | | O				2.70
14.750	7.01	6.95	0.940	| | | |O				2.70
14.833	6.57	6.81	0.940	| | | O				2.70
14.917	6.31	6.48	0.938	| | | O|				2.69
15.000	6.34	6.34	0.938	| | | O|				2.69
15.083	5.90	6.15	0.937	| | | IO|				2.69
15.167	5.64	5.81	0.935	| | | IO |				2.69
15.250	5.67	5.68	0.935	| | | O |				2.68
15.333	5.23	5.48	0.934	| | | IO |				2.68
15.417	4.97	5.14	0.933	| | | O |				2.68
15.500	5.00	5.00	0.932	| | | O |				2.68
15.583	4.11	4.60	0.930	| | IO |				2.67
15.667	3.51	3.90	0.927	| | IO |				2.67
15.750	3.41	3.51	0.926	| | O |				2.66
15.833	3.41	3.43	0.925	| | O |				2.66
15.917	3.41	3.42	0.925	| | O |				2.66
16.000	3.41	3.41	0.925	| | O |				2.66
16.083	1.87	2.73	0.922	| I O |				2.65
16.167	0.88	2.23	0.915	| I O |				2.64
16.250	0.72	2.22	0.905	|I O |				2.61
16.333	0.72	2.20	0.894	|I O |				2.59
16.417	0.72	2.19	0.884	|I O |				2.56
16.500	0.72	2.17	0.874	|I O |				2.54
16.583	0.62	2.16	0.864	|I O |				2.51
16.667	0.55	2.14	0.853	|I O |				2.48
16.750	0.54	2.13	0.842	|I O |				2.46
16.833	0.54	2.11	0.831	|I O |				2.43
16.917	0.54	2.09	0.820	|I O |				2.40
17.000	0.54	2.08	0.810	|I O |				2.37
17.083	0.74	2.06	0.800	|I O |				2.35
17.167	0.88	2.05	0.791	| I O |				2.33

17.250	0.90	2.04	0.783	| I O |	|	|	|	2.31
17.333	0.90	2.03	0.776	| I O |	|	|	|	2.29
17.417	0.90	2.02	0.768	| I O |	|	|	|	2.27
17.500	0.90	2.01	0.760	| I O |	|	|	|	2.25
17.583	0.90	2.00	0.753	| I O |	|	|	|	2.23
17.667	0.90	1.98	0.745	| I O |	|	|	|	2.21
17.750	0.90	1.97	0.738	| I O |	|	|	|	2.19
17.833	0.80	1.96	0.730	|I O |	|	|	|	2.17
17.917	0.73	1.95	0.722	|I O |	|	|	|	2.15
18.000	0.72	1.94	0.713	|I O |	|	|	|	2.13
18.083	0.72	1.93	0.705	|I O |	|	|	|	2.11
18.167	0.72	1.91	0.697	|I O |	|	|	|	2.09
18.250	0.72	1.90	0.688	|I O |	|	|	|	2.07
18.333	0.72	1.89	0.680	|I O |	|	|	|	2.05
18.417	0.72	1.88	0.672	|I O |	|	|	|	2.03
18.500	0.72	1.87	0.664	|I O |	|	|	|	2.01
18.583	0.62	1.85	0.656	|I O |	|	|	|	1.99
18.667	0.55	1.82	0.648	|I O |	|	|	|	1.96
18.750	0.54	1.80	0.639	|I O |	|	|	|	1.94
18.833	0.44	1.77	0.630	|I O |	|	|	|	1.91
18.917	0.37	1.75	0.621	I O |	|	|	|	1.89
19.000	0.36	1.72	0.611	I O |	|	|	|	1.86
19.083	0.46	1.70	0.602	|I O |	|	|	|	1.83
19.167	0.53	1.67	0.594	|I O |	|	|	|	1.81
19.250	0.54	1.65	0.586	|I O |	|	|	|	1.79
19.333	0.64	1.63	0.579	|I O |	|	|	|	1.77
19.417	0.71	1.61	0.572	|I O |	|	|	|	1.75
19.500	0.72	1.59	0.566	|I O |	|	|	|	1.73
19.583	0.62	1.58	0.560	|I O |	|	|	|	1.71
19.667	0.55	1.56	0.553	|I O |	|	|	|	1.69
19.750	0.54	1.54	0.546	|I O |	|	|	|	1.68
19.833	0.44	1.52	0.539	|I O |	|	|	|	1.65
19.917	0.37	1.50	0.532	I O |	|	|	|	1.63
20.000	0.36	1.47	0.524	I O |	|	|	|	1.61
20.083	0.46	1.45	0.517	|I O |	|	|	|	1.59
20.167	0.53	1.44	0.510	|I O |	|	|	|	1.57
20.250	0.54	1.42	0.504	|I O |	|	|	|	1.55
20.333	0.54	1.40	0.498	|I O |	|	|	|	1.54
20.417	0.54	1.38	0.492	|I O |	|	|	|	1.52
20.500	0.54	1.37	0.486	|I O |	|	|	|	1.50
20.583	0.54	1.35	0.481	|I O |	|	|	|	1.49
20.667	0.54	1.34	0.475	|I O |	|	|	|	1.47
20.750	0.54	1.32	0.470	|I O |	|	|	|	1.46
20.833	0.44	1.31	0.464	|I O |	|	|	|	1.44
20.917	0.37	1.29	0.458	I O |	|	|	|	1.42
21.000	0.36	1.27	0.451	I O |	|	|	|	1.40
21.083	0.46	1.25	0.446	|I O |	|	|	|	1.39
21.167	0.53	1.24	0.440	|I O |	|	|	|	1.37
21.250	0.54	1.23	0.436	|I O |	|	|	|	1.36
21.333	0.44	1.21	0.431	|IO |	|	|	|	1.34
21.417	0.37	1.20	0.425	I O |	|	|	|	1.33
21.500	0.36	1.18	0.419	I O |	|	|	|	1.31
21.583	0.46	1.16	0.414	|IO |	|	|	|	1.30
21.667	0.53	1.15	0.410	|IO |	|	|	|	1.28
21.750	0.54	1.14	0.405	|IO |	|	|	|	1.27
21.833	0.44	1.13	0.401	|IO |	|	|	|	1.26
21.917	0.37	1.11	0.396	I O |	|	|	|	1.25
22.000	0.36	1.10	0.391	I O |	|	|	|	1.23
22.083	0.46	1.09	0.386	|IO |	|	|	|	1.22
22.167	0.53	1.07	0.382	|IO |	|	|	|	1.21
22.250	0.54	1.06	0.378	|IO |	|	|	|	1.20
22.333	0.44	1.05	0.375	|IO |	|	|	|	1.18
22.417	0.37	1.04	0.370	I O |	|	|	|	1.17
22.500	0.36	1.03	0.366	I O |	|	|	|	1.16
22.583	0.36	1.01	0.361	I O |	|	|	|	1.15
22.667	0.36	1.00	0.356	I O |	|	|	|	1.13
22.750	0.36	0.99	0.352	I O |	|	|	|	1.12

22.833	0.36	0.98	0.348	I O	|	|	|	| 1.11
22.917	0.36	0.97	0.344	I O	|	|	|	| 1.10
23.000	0.36	0.95	0.339	I O	|	|	|	| 1.08
23.083	0.36	0.94	0.335	I O	|	|	|	| 1.07
23.167	0.36	0.93	0.331	I O	|	|	|	| 1.06
23.250	0.36	0.92	0.328	I O	|	|	|	| 1.05
23.333	0.36	0.91	0.324	I O	|	|	|	| 1.04
23.417	0.36	0.90	0.320	I O	|	|	|	| 1.03
23.500	0.36	0.89	0.316	I O	|	|	|	| 1.02
23.583	0.36	0.88	0.313	I O	|	|	|	| 1.01
23.667	0.36	0.87	0.309	I O	|	|	|	| 1.00
23.750	0.36	0.86	0.306	I O	|	|	|	| 0.99
23.833	0.36	0.85	0.302	I O	|	|	|	| 0.98
23.917	0.36	0.84	0.299	I O	|	|	|	| 0.96
24.000	0.36	0.83	0.296	I O	|	|	|	| 0.95
24.083	0.15	0.82	0.292	I O	|	|	|	| 0.94
24.167	0.02	0.80	0.287	IO	|	|	|	| 0.93
24.250	0.00	0.79	0.281	IO	|	|	|	| 0.91
24.333	0.00	0.77	0.276	IO	|	|	|	| 0.89
24.417	0.00	0.76	0.271	IO	|	|	|	| 0.87
24.500	0.00	0.75	0.266	IO	|	|	|	| 0.86
24.583	0.00	0.73	0.260	IO	|	|	|	| 0.84
24.667	0.00	0.72	0.255	IO	|	|	|	| 0.82
24.750	0.00	0.70	0.251	IO	|	|	|	| 0.81
24.833	0.00	0.69	0.246	IO	|	|	|	| 0.79
24.917	0.00	0.68	0.241	IO	|	|	|	| 0.78
25.000	0.00	0.66	0.236	IO	|	|	|	| 0.76
25.083	0.00	0.65	0.232	IO	|	|	|	| 0.75
25.167	0.00	0.64	0.227	IO	|	|	|	| 0.73
25.250	0.00	0.63	0.223	IO	|	|	|	| 0.72
25.333	0.00	0.61	0.219	IO	|	|	|	| 0.71
25.417	0.00	0.60	0.215	IO	|	|	|	| 0.69
25.500	0.00	0.59	0.211	IO	|	|	|	| 0.68
25.583	0.00	0.58	0.207	IO	|	|	|	| 0.67
25.667	0.00	0.57	0.203	IO	|	|	|	| 0.65
25.750	0.00	0.56	0.199	IO	|	|	|	| 0.64
25.833	0.00	0.55	0.195	IO	|	|	|	| 0.63
25.917	0.00	0.54	0.191	IO	|	|	|	| 0.62
26.000	0.00	0.53	0.188	IO	|	|	|	| 0.60
26.083	0.00	0.52	0.184	IO	|	|	|	| 0.59
26.167	0.00	0.51	0.180	IO	|	|	|	| 0.58
26.250	0.00	0.50	0.177	IO	|	|	|	| 0.57
26.333	0.00	0.49	0.174	IO	|	|	|	| 0.56
26.417	0.00	0.48	0.170	IO	|	|	|	| 0.55
26.500	0.00	0.47	0.167	IO	|	|	|	| 0.54
26.583	0.00	0.46	0.164	IO	|	|	|	| 0.53
26.667	0.00	0.45	0.161	IO	|	|	|	| 0.52
26.750	0.00	0.44	0.158	IO	|	|	|	| 0.51
26.833	0.00	0.43	0.155	IO	|	|	|	| 0.50
26.917	0.00	0.43	0.152	IO	|	|	|	| 0.49
27.000	0.00	0.42	0.149	IO	|	|	|	| 0.48
27.083	0.00	0.41	0.146	IO	|	|	|	| 0.47
27.167	0.00	0.40	0.143	O	|	|	|	| 0.46
27.250	0.00	0.39	0.140	O	|	|	|	| 0.45
27.333	0.00	0.39	0.138	O	|	|	|	| 0.44
27.417	0.00	0.38	0.135	O	|	|	|	| 0.44
27.500	0.00	0.37	0.132	O	|	|	|	| 0.43
27.583	0.00	0.36	0.130	O	|	|	|	| 0.42
27.667	0.00	0.36	0.127	O	|	|	|	| 0.41
27.750	0.00	0.35	0.125	O	|	|	|	| 0.40
27.833	0.00	0.34	0.123	O	|	|	|	| 0.40
27.917	0.00	0.34	0.120	O	|	|	|	| 0.39
28.000	0.00	0.33	0.118	O	|	|	|	| 0.38
28.083	0.00	0.32	0.116	O	|	|	|	| 0.37
28.167	0.00	0.32	0.113	O	|	|	|	| 0.37
28.250	0.00	0.31	0.111	O	|	|	|	| 0.36
28.333	0.00	0.31	0.109	O	|	|	|	| 0.35

28.417	0.00	0.30	0.107	O	|	|	|	|	0.35
28.500	0.00	0.29	0.105	O	|	|	|	|	0.34
28.583	0.00	0.29	0.103	O	|	|	|	|	0.33
28.667	0.00	0.28	0.101	O	|	|	|	|	0.33
28.750	0.00	0.28	0.099	O	|	|	|	|	0.32
28.833	0.00	0.27	0.097	O	|	|	|	|	0.31
28.917	0.00	0.27	0.095	O	|	|	|	|	0.31
29.000	0.00	0.26	0.093	O	|	|	|	|	0.30
29.083	0.00	0.26	0.092	O	|	|	|	|	0.30
29.167	0.00	0.25	0.090	O	|	|	|	|	0.29
29.250	0.00	0.25	0.088	O	|	|	|	|	0.28
29.333	0.00	0.24	0.087	O	|	|	|	|	0.28
29.417	0.00	0.24	0.085	O	|	|	|	|	0.27
29.500	0.00	0.23	0.083	O	|	|	|	|	0.27
29.583	0.00	0.23	0.082	O	|	|	|	|	0.26
29.667	0.00	0.22	0.080	O	|	|	|	|	0.26
29.750	0.00	0.22	0.079	O	|	|	|	|	0.25
29.833	0.00	0.22	0.077	O	|	|	|	|	0.25
29.917	0.00	0.21	0.076	O	|	|	|	|	0.24
30.000	0.00	0.21	0.074	O	|	|	|	|	0.24
30.083	0.00	0.20	0.073	O	|	|	|	|	0.23
30.167	0.00	0.20	0.071	O	|	|	|	|	0.23
30.250	0.00	0.20	0.070	O	|	|	|	|	0.23
30.333	0.00	0.19	0.069	O	|	|	|	|	0.22
30.417	0.00	0.19	0.067	O	|	|	|	|	0.22
30.500	0.00	0.19	0.066	O	|	|	|	|	0.21
30.583	0.00	0.18	0.065	O	|	|	|	|	0.21
30.667	0.00	0.18	0.064	O	|	|	|	|	0.20
30.750	0.00	0.17	0.062	O	|	|	|	|	0.20
30.833	0.00	0.17	0.061	O	|	|	|	|	0.20
30.917	0.00	0.17	0.060	O	|	|	|	|	0.19
31.000	0.00	0.17	0.059	O	|	|	|	|	0.19
31.083	0.00	0.16	0.058	O	|	|	|	|	0.19
31.167	0.00	0.16	0.057	O	|	|	|	|	0.18
31.250	0.00	0.16	0.055	O	|	|	|	|	0.18
31.333	0.00	0.15	0.054	O	|	|	|	|	0.18
31.417	0.00	0.15	0.053	O	|	|	|	|	0.17
31.500	0.00	0.15	0.052	O	|	|	|	|	0.17
31.583	0.00	0.14	0.051	O	|	|	|	|	0.17
31.667	0.00	0.14	0.050	O	|	|	|	|	0.16
31.750	0.00	0.14	0.049	O	|	|	|	|	0.16
31.833	0.00	0.14	0.048	O	|	|	|	|	0.16
31.917	0.00	0.13	0.048	O	|	|	|	|	0.15
32.000	0.00	0.13	0.047	O	|	|	|	|	0.15
32.083	0.00	0.13	0.046	O	|	|	|	|	0.15
32.167	0.00	0.13	0.045	O	|	|	|	|	0.14
32.250	0.00	0.12	0.044	O	|	|	|	|	0.14
32.333	0.00	0.12	0.043	O	|	|	|	|	0.14
32.417	0.00	0.12	0.042	O	|	|	|	|	0.14
32.500	0.00	0.12	0.042	O	|	|	|	|	0.13
32.583	0.00	0.11	0.041	O	|	|	|	|	0.13
32.667	0.00	0.11	0.040	O	|	|	|	|	0.13
32.750	0.00	0.11	0.039	O	|	|	|	|	0.13
32.833	0.00	0.11	0.038	O	|	|	|	|	0.12
32.917	0.00	0.11	0.038	O	|	|	|	|	0.12
33.000	0.00	0.10	0.037	O	|	|	|	|	0.12
33.083	0.00	0.10	0.036	O	|	|	|	|	0.12
33.167	0.00	0.10	0.036	O	|	|	|	|	0.11
33.250	0.00	0.10	0.035	O	|	|	|	|	0.11
33.333	0.00	0.10	0.034	O	|	|	|	|	0.11
33.417	0.00	0.09	0.034	O	|	|	|	|	0.11
33.500	0.00	0.09	0.033	O	|	|	|	|	0.11
33.583	0.00	0.09	0.032	O	|	|	|	|	0.10
33.667	0.00	0.09	0.032	O	|	|	|	|	0.10
33.750	0.00	0.09	0.031	O	|	|	|	|	0.10
33.833	0.00	0.09	0.030	O	|	|	|	|	0.10
33.917	0.00	0.08	0.030	O	|	|	|	|	0.10

34.000	0.00	0.08	0.029	O	|	|	|	|	0.09
34.083	0.00	0.08	0.029	O	|	|	|	|	0.09
34.167	0.00	0.08	0.028	O	|	|	|	|	0.09
34.250	0.00	0.08	0.028	O	|	|	|	|	0.09
34.333	0.00	0.08	0.027	O	|	|	|	|	0.09
34.417	0.00	0.07	0.027	O	|	|	|	|	0.09
34.500	0.00	0.07	0.026	O	|	|	|	|	0.08
34.583	0.00	0.07	0.026	O	|	|	|	|	0.08
34.667	0.00	0.07	0.025	O	|	|	|	|	0.08
34.750	0.00	0.07	0.025	O	|	|	|	|	0.08
34.833	0.00	0.07	0.024	O	|	|	|	|	0.08
34.917	0.00	0.07	0.024	O	|	|	|	|	0.08
35.000	0.00	0.07	0.023	O	|	|	|	|	0.07
35.083	0.00	0.06	0.023	O	|	|	|	|	0.07
35.167	0.00	0.06	0.022	O	|	|	|	|	0.07
35.250	0.00	0.06	0.022	O	|	|	|	|	0.07
35.333	0.00	0.06	0.022	O	|	|	|	|	0.07
35.417	0.00	0.06	0.021	O	|	|	|	|	0.07
35.500	0.00	0.06	0.021	O	|	|	|	|	0.07
35.583	0.00	0.06	0.020	O	|	|	|	|	0.07
35.667	0.00	0.06	0.020	O	|	|	|	|	0.06
35.750	0.00	0.05	0.020	O	|	|	|	|	0.06
35.833	0.00	0.05	0.019	O	|	|	|	|	0.06
35.917	0.00	0.05	0.019	O	|	|	|	|	0.06
36.000	0.00	0.05	0.018	O	|	|	|	|	0.06
36.083	0.00	0.05	0.018	O	|	|	|	|	0.06
36.167	0.00	0.05	0.018	O	|	|	|	|	0.06
36.250	0.00	0.05	0.017	O	|	|	|	|	0.06
36.333	0.00	0.05	0.017	O	|	|	|	|	0.06
36.417	0.00	0.05	0.017	O	|	|	|	|	0.05
36.500	0.00	0.05	0.016	O	|	|	|	|	0.05
36.583	0.00	0.05	0.016	O	|	|	|	|	0.05
36.667	0.00	0.04	0.016	O	|	|	|	|	0.05
36.750	0.00	0.04	0.015	O	|	|	|	|	0.05
36.833	0.00	0.04	0.015	O	|	|	|	|	0.05
36.917	0.00	0.04	0.015	O	|	|	|	|	0.05
37.000	0.00	0.04	0.015	O	|	|	|	|	0.05
37.083	0.00	0.04	0.014	O	|	|	|	|	0.05
37.167	0.00	0.04	0.014	O	|	|	|	|	0.05
37.250	0.00	0.04	0.014	O	|	|	|	|	0.04
37.333	0.00	0.04	0.014	O	|	|	|	|	0.04
37.417	0.00	0.04	0.013	O	|	|	|	|	0.04
37.500	0.00	0.04	0.013	O	|	|	|	|	0.04
37.583	0.00	0.04	0.013	O	|	|	|	|	0.04
37.667	0.00	0.04	0.013	O	|	|	|	|	0.04
37.750	0.00	0.03	0.012	O	|	|	|	|	0.04
37.833	0.00	0.03	0.012	O	|	|	|	|	0.04
37.917	0.00	0.03	0.012	O	|	|	|	|	0.04
38.000	0.00	0.03	0.012	O	|	|	|	|	0.04
38.083	0.00	0.03	0.011	O	|	|	|	|	0.04
38.167	0.00	0.03	0.011	O	|	|	|	|	0.04
38.250	0.00	0.03	0.011	O	|	|	|	|	0.04
38.333	0.00	0.03	0.011	O	|	|	|	|	0.03
38.417	0.00	0.03	0.011	O	|	|	|	|	0.03
38.500	0.00	0.03	0.010	O	|	|	|	|	0.03
38.583	0.00	0.03	0.010	O	|	|	|	|	0.03
38.667	0.00	0.03	0.010	O	|	|	|	|	0.03
38.750	0.00	0.03	0.010	O	|	|	|	|	0.03
38.833	0.00	0.03	0.010	O	|	|	|	|	0.03
38.917	0.00	0.03	0.009	O	|	|	|	|	0.03
39.000	0.00	0.03	0.009	O	|	|	|	|	0.03
39.083	0.00	0.03	0.009	O	|	|	|	|	0.03
39.167	0.00	0.02	0.009	O	|	|	|	|	0.03
39.250	0.00	0.02	0.009	O	|	|	|	|	0.03
39.333	0.00	0.02	0.009	O	|	|	|	|	0.03
39.417	0.00	0.02	0.008	O	|	|	|	|	0.03
39.500	0.00	0.02	0.008	O	|	|	|	|	0.03

39.583	0.00	0.02	0.008	O	|	|	|	|	0.03
39.667	0.00	0.02	0.008	O	|	|	|	|	0.03
39.750	0.00	0.02	0.008	O	|	|	|	|	0.02
39.833	0.00	0.02	0.008	O	|	|	|	|	0.02
39.917	0.00	0.02	0.007	O	|	|	|	|	0.02
40.000	0.00	0.02	0.007	O	|	|	|	|	0.02
40.083	0.00	0.02	0.007	O	|	|	|	|	0.02
40.167	0.00	0.02	0.007	O	|	|	|	|	0.02
40.250	0.00	0.02	0.007	O	|	|	|	|	0.02
40.333	0.00	0.02	0.007	O	|	|	|	|	0.02
40.417	0.00	0.02	0.007	O	|	|	|	|	0.02
40.500	0.00	0.02	0.006	O	|	|	|	|	0.02
40.583	0.00	0.02	0.006	O	|	|	|	|	0.02
40.667	0.00	0.02	0.006	O	|	|	|	|	0.02
40.750	0.00	0.02	0.006	O	|	|	|	|	0.02
40.833	0.00	0.02	0.006	O	|	|	|	|	0.02
40.917	0.00	0.02	0.006	O	|	|	|	|	0.02
41.000	0.00	0.02	0.006	O	|	|	|	|	0.02
41.083	0.00	0.02	0.006	O	|	|	|	|	0.02
41.167	0.00	0.02	0.006	O	|	|	|	|	0.02
41.250	0.00	0.02	0.005	O	|	|	|	|	0.02
41.333	0.00	0.02	0.005	O	|	|	|	|	0.02
41.417	0.00	0.01	0.005	O	|	|	|	|	0.02
41.500	0.00	0.01	0.005	O	|	|	|	|	0.02
41.583	0.00	0.01	0.005	O	|	|	|	|	0.02
41.667	0.00	0.01	0.005	O	|	|	|	|	0.02
41.750	0.00	0.01	0.005	O	|	|	|	|	0.02
41.833	0.00	0.01	0.005	O	|	|	|	|	0.02
41.917	0.00	0.01	0.005	O	|	|	|	|	0.02
42.000	0.00	0.01	0.005	O	|	|	|	|	0.01
42.083	0.00	0.01	0.004	O	|	|	|	|	0.01
42.167	0.00	0.01	0.004	O	|	|	|	|	0.01
42.250	0.00	0.01	0.004	O	|	|	|	|	0.01
42.333	0.00	0.01	0.004	O	|	|	|	|	0.01
42.417	0.00	0.01	0.004	O	|	|	|	|	0.01
42.500	0.00	0.01	0.004	O	|	|	|	|	0.01
42.583	0.00	0.01	0.004	O	|	|	|	|	0.01
42.667	0.00	0.01	0.004	O	|	|	|	|	0.01
42.750	0.00	0.01	0.004	O	|	|	|	|	0.01
42.833	0.00	0.01	0.004	O	|	|	|	|	0.01
42.917	0.00	0.01	0.004	O	|	|	|	|	0.01
43.000	0.00	0.01	0.004	O	|	|	|	|	0.01
43.083	0.00	0.01	0.004	O	|	|	|	|	0.01
43.167	0.00	0.01	0.003	O	|	|	|	|	0.01
43.250	0.00	0.01	0.003	O	|	|	|	|	0.01
43.333	0.00	0.01	0.003	O	|	|	|	|	0.01
43.417	0.00	0.01	0.003	O	|	|	|	|	0.01
43.500	0.00	0.01	0.003	O	|	|	|	|	0.01
43.583	0.00	0.01	0.003	O	|	|	|	|	0.01
43.667	0.00	0.01	0.003	O	|	|	|	|	0.01
43.750	0.00	0.01	0.003	O	|	|	|	|	0.01
43.833	0.00	0.01	0.003	O	|	|	|	|	0.01
43.917	0.00	0.01	0.003	O	|	|	|	|	0.01
44.000	0.00	0.01	0.003	O	|	|	|	|	0.01
44.083	0.00	0.01	0.003	O	|	|	|	|	0.01
44.167	0.00	0.01	0.003	O	|	|	|	|	0.01
44.250	0.00	0.01	0.003	O	|	|	|	|	0.01
44.333	0.00	0.01	0.003	O	|	|	|	|	0.01
44.417	0.00	0.01	0.003	O	|	|	|	|	0.01
44.500	0.00	0.01	0.003	O	|	|	|	|	0.01
44.583	0.00	0.01	0.003	O	|	|	|	|	0.01
44.667	0.00	0.01	0.002	O	|	|	|	|	0.01
44.750	0.00	0.01	0.002	O	|	|	|	|	0.01
44.833	0.00	0.01	0.002	O	|	|	|	|	0.01
44.917	0.00	0.01	0.002	O	|	|	|	|	0.01
45.000	0.00	0.01	0.002	O	|	|	|	|	0.01
45.083	0.00	0.01	0.002	O	|	|	|	|	0.01

45.167	0.00	0.01	0.002	O	|	|	|	|	0.01
45.250	0.00	0.01	0.002	O	|	|	|	|	0.01
45.333	0.00	0.01	0.002	O	|	|	|	|	0.01
45.417	0.00	0.01	0.002	O	|	|	|	|	0.01
45.500	0.00	0.01	0.002	O	|	|	|	|	0.01
45.583	0.00	0.01	0.002	O	|	|	|	|	0.01
45.667	0.00	0.01	0.002	O	|	|	|	|	0.01
45.750	0.00	0.01	0.002	O	|	|	|	|	0.01
45.833	0.00	0.01	0.002	O	|	|	|	|	0.01
45.917	0.00	0.01	0.002	O	|	|	|	|	0.01
46.000	0.00	0.01	0.002	O	|	|	|	|	0.01
46.083	0.00	0.00	0.002	O	|	|	|	|	0.01
46.167	0.00	0.00	0.002	O	|	|	|	|	0.01
46.250	0.00	0.00	0.002	O	|	|	|	|	0.01
46.333	0.00	0.00	0.002	O	|	|	|	|	0.01
46.417	0.00	0.00	0.002	O	|	|	|	|	0.01
46.500	0.00	0.00	0.002	O	|	|	|	|	0.01
46.583	0.00	0.00	0.002	O	|	|	|	|	0.01
46.667	0.00	0.00	0.002	O	|	|	|	|	0.01
46.750	0.00	0.00	0.002	O	|	|	|	|	0.00
46.833	0.00	0.00	0.001	O	|	|	|	|	0.00
46.917	0.00	0.00	0.001	O	|	|	|	|	0.00
47.000	0.00	0.00	0.001	O	|	|	|	|	0.00
47.083	0.00	0.00	0.001	O	|	|	|	|	0.00
47.167	0.00	0.00	0.001	O	|	|	|	|	0.00
47.250	0.00	0.00	0.001	O	|	|	|	|	0.00
47.333	0.00	0.00	0.001	O	|	|	|	|	0.00
47.417	0.00	0.00	0.001	O	|	|	|	|	0.00
47.500	0.00	0.00	0.001	O	|	|	|	|	0.00
47.583	0.00	0.00	0.001	O	|	|	|	|	0.00
47.667	0.00	0.00	0.001	O	|	|	|	|	0.00
47.750	0.00	0.00	0.001	O	|	|	|	|	0.00
47.833	0.00	0.00	0.001	O	|	|	|	|	0.00
47.917	0.00	0.00	0.001	O	|	|	|	|	0.00
48.000	0.00	0.00	0.001	O	|	|	|	|	0.00
48.083	0.00	0.00	0.001	O	|	|	|	|	0.00
48.167	0.00	0.00	0.001	O	|	|	|	|	0.00
48.250	0.00	0.00	0.001	O	|	|	|	|	0.00
48.333	0.00	0.00	0.001	O	|	|	|	|	0.00
48.417	0.00	0.00	0.001	O	|	|	|	|	0.00
48.500	0.00	0.00	0.001	O	|	|	|	|	0.00
48.583	0.00	0.00	0.001	O	|	|	|	|	0.00
48.667	0.00	0.00	0.001	O	|	|	|	|	0.00
48.750	0.00	0.00	0.001	O	|	|	|	|	0.00
48.833	0.00	0.00	0.001	O	|	|	|	|	0.00
48.917	0.00	0.00	0.001	O	|	|	|	|	0.00
49.000	0.00	0.00	0.001	O	|	|	|	|	0.00
49.083	0.00	0.00	0.001	O	|	|	|	|	0.00
49.167	0.00	0.00	0.001	O	|	|	|	|	0.00
49.250	0.00	0.00	0.001	O	|	|	|	|	0.00
49.333	0.00	0.00	0.001	O	|	|	|	|	0.00
49.417	0.00	0.00	0.001	O	|	|	|	|	0.00
49.500	0.00	0.00	0.001	O	|	|	|	|	0.00
49.583	0.00	0.00	0.001	O	|	|	|	|	0.00
49.667	0.00	0.00	0.001	O	|	|	|	|	0.00
49.750	0.00	0.00	0.001	O	|	|	|	|	0.00
49.833	0.00	0.00	0.001	O	|	|	|	|	0.00
49.917	0.00	0.00	0.001	O	|	|	|	|	0.00
50.000	0.00	0.00	0.001	O	|	|	|	|	0.00
50.083	0.00	0.00	0.001	O	|	|	|	|	0.00
50.167	0.00	0.00	0.001	O	|	|	|	|	0.00
50.250	0.00	0.00	0.001	O	|	|	|	|	0.00
50.333	0.00	0.00	0.001	O	|	|	|	|	0.00
50.417	0.00	0.00	0.001	O	|	|	|	|	0.00
50.500	0.00	0.00	0.001	O	|	|	|	|	0.00
50.583	0.00	0.00	0.001	O	|	|	|	|	0.00
50.667	0.00	0.00	0.001	O	|	|	|	|	0.00

50.750	0.00	0.00	0.001	O	|	|	|	|	0.00
50.833	0.00	0.00	0.001	O	|	|	|	|	0.00
50.917	0.00	0.00	0.001	O	|	|	|	|	0.00
51.000	0.00	0.00	0.001	O	|	|	|	|	0.00
51.083	0.00	0.00	0.001	O	|	|	|	|	0.00
51.167	0.00	0.00	0.001	O	|	|	|	|	0.00
51.250	0.00	0.00	0.001	O	|	|	|	|	0.00
51.333	0.00	0.00	0.001	O	|	|	|	|	0.00
51.417	0.00	0.00	0.001	O	|	|	|	|	0.00
51.500	0.00	0.00	0.001	O	|	|	|	|	0.00
51.583	0.00	0.00	0.000	O	|	|	|	|	0.00
51.667	0.00	0.00	0.000	O	|	|	|	|	0.00
51.750	0.00	0.00	0.000	O	|	|	|	|	0.00
51.833	0.00	0.00	0.000	O	|	|	|	|	0.00
51.917	0.00	0.00	0.000	O	|	|	|	|	0.00
52.000	0.00	0.00	0.000	O	|	|	|	|	0.00
52.083	0.00	0.00	0.000	O	|	|	|	|	0.00
52.167	0.00	0.00	0.000	O	|	|	|	|	0.00
52.250	0.00	0.00	0.000	O	|	|	|	|	0.00
52.333	0.00	0.00	0.000	O	|	|	|	|	0.00
52.417	0.00	0.00	0.000	O	|	|	|	|	0.00
52.500	0.00	0.00	0.000	O	|	|	|	|	0.00
52.583	0.00	0.00	0.000	O	|	|	|	|	0.00
52.667	0.00	0.00	0.000	O	|	|	|	|	0.00
52.750	0.00	0.00	0.000	O	|	|	|	|	0.00
52.833	0.00	0.00	0.000	O	|	|	|	|	0.00
52.917	0.00	0.00	0.000	O	|	|	|	|	0.00
53.000	0.00	0.00	0.000	O	|	|	|	|	0.00
53.083	0.00	0.00	0.000	O	|	|	|	|	0.00

```
    ****************************HYDROGRAPH DATA****************************
                Number of intervals =   637
                Time interval =    5.0 (Min.)
                Maximum/Peak flow rate =       13.007 (CFS)
                Total volume =       4.300 (Ac.Ft)
          Status of hydrographs being held in storage
                     Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)      0.000     0.000     0.000     0.000     0.000
          Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
    ***********************************************************************

    ----------------------------------------------------------------------
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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/27/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRA1100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 169.497 (CFS)
Total volume = 3.797 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN A- ROUTING
100YR-1HR STORM

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.870	0.307	0.313
2.000	0.660	1.860	0.654	0.666
2.650	0.920	2.240	0.912	0.928
3.000	1.070	36.900	0.943	1.197
3.500	1.300	133.130	0.842	1.758
4.000	1.900	264.030	0.991	2.809

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 42.4 84.75 127.12 169.50	Depth (Ft.)
0.083	2.96	0.03	0.010	O	0.03
0.167	9.04	0.14	0.051	OI	0.16
0.250	12.96	0.35	0.125	O I	0.40
0.333	15.85	0.62	0.221	O I	0.71
0.417	18.99	0.94	0.335	O I	1.07
0.500	25.00	1.35	0.479	O I	1.48

0.583	30.96	1.86	0.661	O I	|	|	|	2.00
0.667	42.49	2.21	0.899	O I	|	|	|	2.60
0.750	72.34	52.36	1.107	| |O I	|	|	3.08
0.833	169.50	133.25	1.301	| |	|	|O I	3.50
0.917	112.29	**139.81**	**1.331**	**| | I | O**	**|**	**|**	**3.53**
1.000	32.76	62.89	1.132	| I | O	|	|	3.14
1.083	5.61	17.68	0.987	|I O	|	|	|	2.81
1.167	0.55	4.74	0.931	O	|	|	|	2.68
1.250	0.00	2.22	0.909	O	|	|	|	2.62
1.333	0.00	2.20	0.894	O	|	|	|	2.58
1.417	0.00	2.18	0.878	O	|	|	|	2.55
1.500	0.00	2.16	0.863	O	|	|	|	2.51
1.583	0.00	2.14	0.849	O	|	|	|	2.47
1.667	0.00	2.11	0.834	O	|	|	|	2.44
1.750	0.00	2.09	0.820	O	|	|	|	2.40
1.833	0.00	2.07	0.805	O	|	|	|	2.36
1.917	0.00	2.05	0.791	O	|	|	|	2.33
2.000	0.00	2.03	0.777	O	|	|	|	2.29
2.083	0.00	2.01	0.763	O	|	|	|	2.26
2.167	0.00	1.99	0.749	O	|	|	|	2.22
2.250	0.00	1.97	0.736	O	|	|	|	2.19
2.333	0.00	1.95	0.722	O	|	|	|	2.16
2.417	0.00	1.93	0.709	O	|	|	|	2.12
2.500	0.00	1.91	0.696	O	|	|	|	2.09
2.583	0.00	1.89	0.682	O	|	|	|	2.06
2.667	0.00	1.87	0.669	O	|	|	|	2.02
2.750	0.00	1.85	0.657	O	|	|	|	1.99
2.833	0.00	1.81	0.644	O	|	|	|	1.95
2.917	0.00	1.78	0.632	O	|	|	|	1.92
3.000	0.00	1.75	0.620	O	|	|	|	1.88
3.083	0.00	1.71	0.608	O	|	|	|	1.85
3.167	0.00	1.68	0.596	O	|	|	|	1.82
3.250	0.00	1.65	0.584	O	|	|	|	1.78
3.333	0.00	1.61	0.573	O	|	|	|	1.75
3.417	0.00	1.58	0.562	O	|	|	|	1.72
3.500	0.00	1.55	0.551	O	|	|	|	1.69
3.583	0.00	1.52	0.541	O	|	|	|	1.66
3.667	0.00	1.49	0.530	O	|	|	|	1.63
3.750	0.00	1.46	0.520	O	|	|	|	1.60
3.833	0.00	1.44	0.510	O	|	|	|	1.57
3.917	0.00	1.41	0.500	O	|	|	|	1.54
4.000	0.00	1.38	0.491	O	|	|	|	1.52
4.083	0.00	1.35	0.481	O	|	|	|	1.49
4.167	0.00	1.33	0.472	O	|	|	|	1.46
4.250	0.00	1.30	0.463	O	|	|	|	1.44
4.333	0.00	1.28	0.454	O	|	|	|	1.41
4.417	0.00	1.25	0.446	O	|	|	|	1.39
4.500	0.00	1.23	0.437	O	|	|	|	1.36
4.583	0.00	1.21	0.429	O	|	|	|	1.34
4.667	0.00	1.18	0.420	O	|	|	|	1.32
4.750	0.00	1.16	0.412	O	|	|	|	1.29
4.833	0.00	1.14	0.404	O	|	|	|	1.27
4.917	0.00	1.12	0.397	O	|	|	|	1.25
5.000	0.00	1.09	0.389	O	|	|	|	1.23
5.083	0.00	1.07	0.382	O	|	|	|	1.20
5.167	0.00	1.05	0.374	O	|	|	|	1.18
5.250	0.00	1.03	0.367	O	|	|	|	1.16
5.333	0.00	1.01	0.360	O	|	|	|	1.14
5.417	0.00	0.99	0.353	O	|	|	|	1.12
5.500	0.00	0.97	0.346	O	|	|	|	1.10
5.583	0.00	0.95	0.340	O	|	|	|	1.09
5.667	0.00	0.94	0.333	O	|	|	|	1.07
5.750	0.00	0.92	0.327	O	|	|	|	1.05
5.833	0.00	0.90	0.321	O	|	|	|	1.03
5.917	0.00	0.88	0.314	O	|	|	|	1.01
6.000	0.00	0.87	0.308	O	|	|	|	1.00
6.083	0.00	0.85	0.303	O	|	|	|	0.98
6.167	0.00	0.83	0.297	O	|	|	|	0.96

6.250	0.00	0.82	0.291	O	|	|	|	|	0.94
6.333	0.00	0.80	0.286	O	|	|	|	|	0.92
6.417	0.00	0.79	0.280	O	|	|	|	|	0.90
6.500	0.00	0.77	0.275	O	|	|	|	|	0.89
6.583	0.00	0.76	0.269	O	|	|	|	|	0.87
6.667	0.00	0.74	0.264	O	|	|	|	|	0.85
6.750	0.00	0.73	0.259	O	|	|	|	|	0.84
6.833	0.00	0.71	0.254	O	|	|	|	|	0.82
6.917	0.00	0.70	0.249	O	|	|	|	|	0.80
7.000	0.00	0.69	0.245	O	|	|	|	|	0.79
7.083	0.00	0.67	0.240	O	|	|	|	|	0.77
7.167	0.00	0.66	0.235	O	|	|	|	|	0.76
7.250	0.00	0.65	0.231	O	|	|	|	|	0.74
7.333	0.00	0.64	0.226	O	|	|	|	|	0.73
7.417	0.00	0.62	0.222	O	|	|	|	|	0.72
7.500	0.00	0.61	0.218	O	|	|	|	|	0.70
7.583	0.00	0.60	0.214	O	|	|	|	|	0.69
7.667	0.00	0.59	0.210	O	|	|	|	|	0.68
7.750	0.00	0.58	0.206	O	|	|	|	|	0.66
7.833	0.00	0.57	0.202	O	|	|	|	|	0.65
7.917	0.00	0.55	0.198	O	|	|	|	|	0.64
8.000	0.00	0.54	0.194	O	|	|	|	|	0.63
8.083	0.00	0.53	0.190	O	|	|	|	|	0.61
8.167	0.00	0.52	0.187	O	|	|	|	|	0.60
8.250	0.00	0.51	0.183	O	|	|	|	|	0.59
8.333	0.00	0.50	0.180	O	|	|	|	|	0.58
8.417	0.00	0.49	0.176	O	|	|	|	|	0.57
8.500	0.00	0.48	0.173	O	|	|	|	|	0.56
8.583	0.00	0.48	0.169	O	|	|	|	|	0.55
8.667	0.00	0.47	0.166	O	|	|	|	|	0.54
8.750	0.00	0.46	0.163	O	|	|	|	|	0.53
8.833	0.00	0.45	0.160	O	|	|	|	|	0.52
8.917	0.00	0.44	0.157	O	|	|	|	|	0.51
9.000	0.00	0.43	0.154	O	|	|	|	|	0.50
9.083	0.00	0.42	0.151	O	|	|	|	|	0.49
9.167	0.00	0.42	0.148	O	|	|	|	|	0.48
9.250	0.00	0.41	0.145	O	|	|	|	|	0.47
9.333	0.00	0.40	0.142	O	|	|	|	|	0.46
9.417	0.00	0.39	0.140	O	|	|	|	|	0.45
9.500	0.00	0.38	0.137	O	|	|	|	|	0.44
9.583	0.00	0.38	0.134	O	|	|	|	|	0.43
9.667	0.00	0.37	0.132	O	|	|	|	|	0.43
9.750	0.00	0.36	0.129	O	|	|	|	|	0.42
9.833	0.00	0.36	0.127	O	|	|	|	|	0.41
9.917	0.00	0.35	0.124	O	|	|	|	|	0.40
10.000	0.00	0.34	0.122	O	|	|	|	|	0.39
10.083	0.00	0.34	0.120	O	|	|	|	|	0.39
10.167	0.00	0.33	0.117	O	|	|	|	|	0.38
10.250	0.00	0.32	0.115	O	|	|	|	|	0.37
10.333	0.00	0.32	0.113	O	|	|	|	|	0.36
10.417	0.00	0.31	0.111	O	|	|	|	|	0.36
10.500	0.00	0.30	0.109	O	|	|	|	|	0.35
10.583	0.00	0.30	0.107	O	|	|	|	|	0.34
10.667	0.00	0.29	0.104	O	|	|	|	|	0.34
10.750	0.00	0.29	0.102	O	|	|	|	|	0.33
10.833	0.00	0.28	0.101	O	|	|	|	|	0.32
10.917	0.00	0.28	0.099	O	|	|	|	|	0.32
11.000	0.00	0.27	0.097	O	|	|	|	|	0.31
11.083	0.00	0.27	0.095	O	|	|	|	|	0.31
11.167	0.00	0.26	0.093	O	|	|	|	|	0.30
11.250	0.00	0.26	0.091	O	|	|	|	|	0.29
11.333	0.00	0.25	0.090	O	|	|	|	|	0.29
11.417	0.00	0.25	0.088	O	|	|	|	|	0.28
11.500	0.00	0.24	0.086	O	|	|	|	|	0.28
11.583	0.00	0.24	0.084	O	|	|	|	|	0.27
11.667	0.00	0.23	0.083	O	|	|	|	|	0.27
11.750	0.00	0.23	0.081	O	|	|	|	|	0.26
11.833	0.00	0.22	0.080	O	|	|	|	|	0.26

11.917	0.00	0.22	0.078	O	|	|	|	|	0.25
12.000	0.00	0.22	0.077	O	|	|	|	|	0.25
12.083	0.00	0.21	0.075	O	|	|	|	|	0.24
12.167	0.00	0.21	0.074	O	|	|	|	|	0.24
12.250	0.00	0.20	0.072	O	|	|	|	|	0.23
12.333	0.00	0.20	0.071	O	|	|	|	|	0.23
12.417	0.00	0.20	0.070	O	|	|	|	|	0.22
12.500	0.00	0.19	0.068	O	|	|	|	|	0.22
12.583	0.00	0.19	0.067	O	|	|	|	|	0.22
12.667	0.00	0.18	0.066	O	|	|	|	|	0.21
12.750	0.00	0.18	0.064	O	|	|	|	|	0.21
12.833	0.00	0.18	0.063	O	|	|	|	|	0.20
12.917	0.00	0.17	0.062	O	|	|	|	|	0.20
13.000	0.00	0.17	0.061	O	|	|	|	|	0.20
13.083	0.00	0.17	0.060	O	|	|	|	|	0.19
13.167	0.00	0.16	0.059	O	|	|	|	|	0.19
13.250	0.00	0.16	0.057	O	|	|	|	|	0.19
13.333	0.00	0.16	0.056	O	|	|	|	|	0.18
13.417	0.00	0.15	0.055	O	|	|	|	|	0.18
13.500	0.00	0.15	0.054	O	|	|	|	|	0.17
13.583	0.00	0.15	0.053	O	|	|	|	|	0.17
13.667	0.00	0.15	0.052	O	|	|	|	|	0.17
13.750	0.00	0.14	0.051	O	|	|	|	|	0.16
13.833	0.00	0.14	0.050	O	|	|	|	|	0.16
13.917	0.00	0.14	0.049	O	|	|	|	|	0.16
14.000	0.00	0.14	0.048	O	|	|	|	|	0.16
14.083	0.00	0.13	0.047	O	|	|	|	|	0.15
14.167	0.00	0.13	0.046	O	|	|	|	|	0.15
14.250	0.00	0.13	0.046	O	|	|	|	|	0.15
14.333	0.00	0.13	0.045	O	|	|	|	|	0.14
14.417	0.00	0.12	0.044	O	|	|	|	|	0.14
14.500	0.00	0.12	0.043	O	|	|	|	|	0.14
14.583	0.00	0.12	0.042	O	|	|	|	|	0.14
14.667	0.00	0.12	0.041	O	|	|	|	|	0.13
14.750	0.00	0.11	0.041	O	|	|	|	|	0.13
14.833	0.00	0.11	0.040	O	|	|	|	|	0.13
14.917	0.00	0.11	0.039	O	|	|	|	|	0.13
15.000	0.00	0.11	0.038	O	|	|	|	|	0.12
15.083	0.00	0.11	0.038	O	|	|	|	|	0.12
15.167	0.00	0.10	0.037	O	|	|	|	|	0.12
15.250	0.00	0.10	0.036	O	|	|	|	|	0.12
15.333	0.00	0.10	0.035	O	|	|	|	|	0.11
15.417	0.00	0.10	0.035	O	|	|	|	|	0.11
15.500	0.00	0.10	0.034	O	|	|	|	|	0.11
15.583	0.00	0.09	0.033	O	|	|	|	|	0.11
15.667	0.00	0.09	0.033	O	|	|	|	|	0.11
15.750	0.00	0.09	0.032	O	|	|	|	|	0.10
15.833	0.00	0.09	0.032	O	|	|	|	|	0.10
15.917	0.00	0.09	0.031	O	|	|	|	|	0.10
16.000	0.00	0.09	0.030	O	|	|	|	|	0.10
16.083	0.00	0.08	0.030	O	|	|	|	|	0.10
16.167	0.00	0.08	0.029	O	|	|	|	|	0.09
16.250	0.00	0.08	0.029	O	|	|	|	|	0.09
16.333	0.00	0.08	0.028	O	|	|	|	|	0.09
16.417	0.00	0.08	0.028	O	|	|	|	|	0.09
16.500	0.00	0.08	0.027	O	|	|	|	|	0.09
16.583	0.00	0.07	0.026	O	|	|	|	|	0.09
16.667	0.00	0.07	0.026	O	|	|	|	|	0.08
16.750	0.00	0.07	0.025	O	|	|	|	|	0.08
16.833	0.00	0.07	0.025	O	|	|	|	|	0.08
16.917	0.00	0.07	0.025	O	|	|	|	|	0.08
17.000	0.00	0.07	0.024	O	|	|	|	|	0.08
17.083	0.00	0.07	0.024	O	|	|	|	|	0.08
17.167	0.00	0.06	0.023	O	|	|	|	|	0.07
17.250	0.00	0.06	0.023	O	|	|	|	|	0.07
17.333	0.00	0.06	0.022	O	|	|	|	|	0.07
17.417	0.00	0.06	0.022	O	|	|	|	|	0.07
17.500	0.00	0.06	0.021	O	|	|	|	|	0.07

17.583	0.00	0.06	0.021	O	|	|	|	|	0.07
17.667	0.00	0.06	0.021	O	|	|	|	|	0.07
17.750	0.00	0.06	0.020	O	|	|	|	|	0.07
17.833	0.00	0.06	0.020	O	|	|	|	|	0.06
17.917	0.00	0.05	0.019	O	|	|	|	|	0.06
18.000	0.00	0.05	0.019	O	|	|	|	|	0.06
18.083	0.00	0.05	0.019	O	|	|	|	|	0.06
18.167	0.00	0.05	0.018	O	|	|	|	|	0.06
18.250	0.00	0.05	0.018	O	|	|	|	|	0.06
18.333	0.00	0.05	0.018	O	|	|	|	|	0.06
18.417	0.00	0.05	0.017	O	|	|	|	|	0.06
18.500	0.00	0.05	0.017	O	|	|	|	|	0.05
18.583	0.00	0.05	0.017	O	|	|	|	|	0.05
18.667	0.00	0.05	0.016	O	|	|	|	|	0.05
18.750	0.00	0.04	0.016	O	|	|	|	|	0.05
18.833	0.00	0.04	0.016	O	|	|	|	|	0.05
18.917	0.00	0.04	0.015	O	|	|	|	|	0.05
19.000	0.00	0.04	0.015	O	|	|	|	|	0.05
19.083	0.00	0.04	0.015	O	|	|	|	|	0.05
19.167	0.00	0.04	0.015	O	|	|	|	|	0.05
19.250	0.00	0.04	0.014	O	|	|	|	|	0.05
19.333	0.00	0.04	0.014	O	|	|	|	|	0.05
19.417	0.00	0.04	0.014	O	|	|	|	|	0.04
19.500	0.00	0.04	0.013	O	|	|	|	|	0.04
19.583	0.00	0.04	0.013	O	|	|	|	|	0.04
19.667	0.00	0.04	0.013	O	|	|	|	|	0.04
19.750	0.00	0.04	0.013	O	|	|	|	|	0.04
19.833	0.00	0.03	0.012	O	|	|	|	|	0.04
19.917	0.00	0.03	0.012	O	|	|	|	|	0.04
20.000	0.00	0.03	0.012	O	|	|	|	|	0.04
20.083	0.00	0.03	0.012	O	|	|	|	|	0.04
20.167	0.00	0.03	0.012	O	|	|	|	|	0.04
20.250	0.00	0.03	0.011	O	|	|	|	|	0.04
20.333	0.00	0.03	0.011	O	|	|	|	|	0.04
20.417	0.00	0.03	0.011	O	|	|	|	|	0.04
20.500	0.00	0.03	0.011	O	|	|	|	|	0.03
20.583	0.00	0.03	0.010	O	|	|	|	|	0.03
20.667	0.00	0.03	0.010	O	|	|	|	|	0.03
20.750	0.00	0.03	0.010	O	|	|	|	|	0.03
20.833	0.00	0.03	0.010	O	|	|	|	|	0.03
20.917	0.00	0.03	0.010	O	|	|	|	|	0.03
21.000	0.00	0.03	0.010	O	|	|	|	|	0.03
21.083	0.00	0.03	0.009	O	|	|	|	|	0.03
21.167	0.00	0.03	0.009	O	|	|	|	|	0.03
21.250	0.00	0.03	0.009	O	|	|	|	|	0.03
21.333	0.00	0.02	0.009	O	|	|	|	|	0.03
21.417	0.00	0.02	0.009	O	|	|	|	|	0.03
21.500	0.00	0.02	0.008	O	|	|	|	|	0.03
21.583	0.00	0.02	0.008	O	|	|	|	|	0.03
21.667	0.00	0.02	0.008	O	|	|	|	|	0.03
21.750	0.00	0.02	0.008	O	|	|	|	|	0.03
21.833	0.00	0.02	0.008	O	|	|	|	|	0.03
21.917	0.00	0.02	0.008	O	|	|	|	|	0.02
22.000	0.00	0.02	0.008	O	|	|	|	|	0.02
22.083	0.00	0.02	0.007	O	|	|	|	|	0.02
22.167	0.00	0.02	0.007	O	|	|	|	|	0.02
22.250	0.00	0.02	0.007	O	|	|	|	|	0.02
22.333	0.00	0.02	0.007	O	|	|	|	|	0.02
22.417	0.00	0.02	0.007	O	|	|	|	|	0.02
22.500	0.00	0.02	0.007	O	|	|	|	|	0.02
22.583	0.00	0.02	0.007	O	|	|	|	|	0.02
22.667	0.00	0.02	0.006	O	|	|	|	|	0.02
22.750	0.00	0.02	0.006	O	|	|	|	|	0.02
22.833	0.00	0.02	0.006	O	|	|	|	|	0.02
22.917	0.00	0.02	0.006	O	|	|	|	|	0.02
23.000	0.00	0.02	0.006	O	|	|	|	|	0.02
23.083	0.00	0.02	0.006	O	|	|	|	|	0.02
23.167	0.00	0.02	0.006	O	|	|	|	|	0.02

23.250	0.00	0.02	0.006	O	|	|	|	|	0.02
23.333	0.00	0.02	0.006	O	|	|	|	|	0.02
23.417	0.00	0.02	0.005	O	|	|	|	|	0.02
23.500	0.00	0.01	0.005	O	|	|	|	|	0.02
23.583	0.00	0.01	0.005	O	|	|	|	|	0.02
23.667	0.00	0.01	0.005	O	|	|	|	|	0.02
23.750	0.00	0.01	0.005	O	|	|	|	|	0.02
23.833	0.00	0.01	0.005	O	|	|	|	|	0.02
23.917	0.00	0.01	0.005	O	|	|	|	|	0.02
24.000	0.00	0.01	0.005	O	|	|	|	|	0.02
24.083	0.00	0.01	0.005	O	|	|	|	|	0.02
24.167	0.00	0.01	0.005	O	|	|	|	|	0.01
24.250	0.00	0.01	0.004	O	|	|	|	|	0.01
24.333	0.00	0.01	0.004	O	|	|	|	|	0.01
24.417	0.00	0.01	0.004	O	|	|	|	|	0.01
24.500	0.00	0.01	0.004	O	|	|	|	|	0.01
24.583	0.00	0.01	0.004	O	|	|	|	|	0.01
24.667	0.00	0.01	0.004	O	|	|	|	|	0.01
24.750	0.00	0.01	0.004	O	|	|	|	|	0.01
24.833	0.00	0.01	0.004	O	|	|	|	|	0.01
24.917	0.00	0.01	0.004	O	|	|	|	|	0.01
25.000	0.00	0.01	0.004	O	|	|	|	|	0.01
25.083	0.00	0.01	0.004	O	|	|	|	|	0.01
25.167	0.00	0.01	0.004	O	|	|	|	|	0.01
25.250	0.00	0.01	0.004	O	|	|	|	|	0.01
25.333	0.00	0.01	0.003	O	|	|	|	|	0.01
25.417	0.00	0.01	0.003	O	|	|	|	|	0.01
25.500	0.00	0.01	0.003	O	|	|	|	|	0.01
25.583	0.00	0.01	0.003	O	|	|	|	|	0.01
25.667	0.00	0.01	0.003	O	|	|	|	|	0.01
25.750	0.00	0.01	0.003	O	|	|	|	|	0.01
25.833	0.00	0.01	0.003	O	|	|	|	|	0.01
25.917	0.00	0.01	0.003	O	|	|	|	|	0.01
26.000	0.00	0.01	0.003	O	|	|	|	|	0.01
26.083	0.00	0.01	0.003	O	|	|	|	|	0.01
26.167	0.00	0.01	0.003	O	|	|	|	|	0.01
26.250	0.00	0.01	0.003	O	|	|	|	|	0.01
26.333	0.00	0.01	0.003	O	|	|	|	|	0.01
26.417	0.00	0.01	0.003	O	|	|	|	|	0.01
26.500	0.00	0.01	0.003	O	|	|	|	|	0.01
26.583	0.00	0.01	0.003	O	|	|	|	|	0.01
26.667	0.00	0.01	0.003	O	|	|	|	|	0.01
26.750	0.00	0.01	0.003	O	|	|	|	|	0.01
26.833	0.00	0.01	0.002	O	|	|	|	|	0.01
26.917	0.00	0.01	0.002	O	|	|	|	|	0.01
27.000	0.00	0.01	0.002	O	|	|	|	|	0.01
27.083	0.00	0.01	0.002	O	|	|	|	|	0.01
27.167	0.00	0.01	0.002	O	|	|	|	|	0.01
27.250	0.00	0.01	0.002	O	|	|	|	|	0.01
27.333	0.00	0.01	0.002	O	|	|	|	|	0.01
27.417	0.00	0.01	0.002	O	|	|	|	|	0.01
27.500	0.00	0.01	0.002	O	|	|	|	|	0.01
27.583	0.00	0.01	0.002	O	|	|	|	|	0.01
27.667	0.00	0.01	0.002	O	|	|	|	|	0.01
27.750	0.00	0.01	0.002	O	|	|	|	|	0.01
27.833	0.00	0.01	0.002	O	|	|	|	|	0.01
27.917	0.00	0.01	0.002	O	|	|	|	|	0.01
28.000	0.00	0.01	0.002	O	|	|	|	|	0.01
28.083	0.00	0.01	0.002	O	|	|	|	|	0.01
28.167	0.00	0.01	0.002	O	|	|	|	|	0.01
28.250	0.00	0.00	0.002	O	|	|	|	|	0.01
28.333	0.00	0.00	0.002	O	|	|	|	|	0.01
28.417	0.00	0.00	0.002	O	|	|	|	|	0.01
28.500	0.00	0.00	0.002	O	|	|	|	|	0.01
28.583	0.00	0.00	0.002	O	|	|	|	|	0.01
28.667	0.00	0.00	0.002	O	|	|	|	|	0.01
28.750	0.00	0.00	0.002	O	|	|	|	|	0.01
28.833	0.00	0.00	0.002	O	|	|	|	|	0.00

28.917	0.00	0.00	0.002	O	|	|	|	|	0.00
29.000	0.00	0.00	0.001	O	|	|	|	|	0.00
29.083	0.00	0.00	0.001	O	|	|	|	|	0.00
29.167	0.00	0.00	0.001	O	|	|	|	|	0.00
29.250	0.00	0.00	0.001	O	|	|	|	|	0.00
29.333	0.00	0.00	0.001	O	|	|	|	|	0.00
29.417	0.00	0.00	0.001	O	|	|	|	|	0.00
29.500	0.00	0.00	0.001	O	|	|	|	|	0.00
29.583	0.00	0.00	0.001	O	|	|	|	|	0.00
29.667	0.00	0.00	0.001	O	|	|	|	|	0.00
29.750	0.00	0.00	0.001	O	|	|	|	|	0.00
29.833	0.00	0.00	0.001	O	|	|	|	|	0.00
29.917	0.00	0.00	0.001	O	|	|	|	|	0.00
30.000	0.00	0.00	0.001	O	|	|	|	|	0.00
30.083	0.00	0.00	0.001	O	|	|	|	|	0.00
30.167	0.00	0.00	0.001	O	|	|	|	|	0.00
30.250	0.00	0.00	0.001	O	|	|	|	|	0.00
30.333	0.00	0.00	0.001	O	|	|	|	|	0.00
30.417	0.00	0.00	0.001	O	|	|	|	|	0.00
30.500	0.00	0.00	0.001	O	|	|	|	|	0.00
30.583	0.00	0.00	0.001	O	|	|	|	|	0.00
30.667	0.00	0.00	0.001	O	|	|	|	|	0.00
30.750	0.00	0.00	0.001	O	|	|	|	|	0.00
30.833	0.00	0.00	0.001	O	|	|	|	|	0.00
30.917	0.00	0.00	0.001	O	|	|	|	|	0.00
31.000	0.00	0.00	0.001	O	|	|	|	|	0.00
31.083	0.00	0.00	0.001	O	|	|	|	|	0.00
31.167	0.00	0.00	0.001	O	|	|	|	|	0.00
31.250	0.00	0.00	0.001	O	|	|	|	|	0.00
31.333	0.00	0.00	0.001	O	|	|	|	|	0.00
31.417	0.00	0.00	0.001	O	|	|	|	|	0.00
31.500	0.00	0.00	0.001	O	|	|	|	|	0.00
31.583	0.00	0.00	0.001	O	|	|	|	|	0.00
31.667	0.00	0.00	0.001	O	|	|	|	|	0.00
31.750	0.00	0.00	0.001	O	|	|	|	|	0.00
31.833	0.00	0.00	0.001	O	|	|	|	|	0.00
31.917	0.00	0.00	0.001	O	|	|	|	|	0.00
32.000	0.00	0.00	0.001	O	|	|	|	|	0.00
32.083	0.00	0.00	0.001	O	|	|	|	|	0.00
32.167	0.00	0.00	0.001	O	|	|	|	|	0.00
32.250	0.00	0.00	0.001	O	|	|	|	|	0.00
32.333	0.00	0.00	0.001	O	|	|	|	|	0.00
32.417	0.00	0.00	0.001	O	|	|	|	|	0.00
32.500	0.00	0.00	0.001	O	|	|	|	|	0.00
32.583	0.00	0.00	0.001	O	|	|	|	|	0.00
32.667	0.00	0.00	0.001	O	|	|	|	|	0.00
32.750	0.00	0.00	0.001	O	|	|	|	|	0.00
32.833	0.00	0.00	0.001	O	|	|	|	|	0.00
32.917	0.00	0.00	0.001	O	|	|	|	|	0.00
33.000	0.00	0.00	0.001	O	|	|	|	|	0.00
33.083	0.00	0.00	0.001	O	|	|	|	|	0.00
33.167	0.00	0.00	0.001	O	|	|	|	|	0.00
33.250	0.00	0.00	0.001	O	|	|	|	|	0.00
33.333	0.00	0.00	0.001	O	|	|	|	|	0.00
33.417	0.00	0.00	0.001	O	|	|	|	|	0.00
33.500	0.00	0.00	0.001	O	|	|	|	|	0.00
33.583	0.00	0.00	0.001	O	|	|	|	|	0.00
33.667	0.00	0.00	0.001	O	|	|	|	|	0.00
33.750	0.00	0.00	0.000	O	|	|	|	|	0.00
33.833	0.00	0.00	0.000	O	|	|	|	|	0.00
33.917	0.00	0.00	0.000	O	|	|	|	|	0.00
34.000	0.00	0.00	0.000	O	|	|	|	|	0.00
34.083	0.00	0.00	0.000	O	|	|	|	|	0.00
34.167	0.00	0.00	0.000	O	|	|	|	|	0.00
34.250	0.00	0.00	0.000	O	|	|	|	|	0.00
34.333	0.00	0.00	0.000	O	|	|	|	|	0.00
34.417	0.00	0.00	0.000	O	|	|	|	|	0.00
34.500	0.00	0.00	0.000	O	|	|	|	|	0.00

```
34.583    0.00    0.00      0.000  O       |       |       |       |     0.00
34.667    0.00    0.00      0.000  O       |       |       |       |     0.00
34.750    0.00    0.00      0.000  O       |       |       |       |     0.00
34.833    0.00    0.00      0.000  O       |       |       |       |     0.00
34.917    0.00    0.00      0.000  O       |       |       |       |     0.00
35.000    0.00    0.00      0.000  O       |       |       |       |     0.00
35.083    0.00    0.00      0.000  O       |       |       |       |     0.00
35.167    0.00    0.00      0.000  O       |       |       |       |     0.00

      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =   422
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =      139.808 (CFS)
                  Total volume =       3.796 (Ac.Ft)
            Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ***********************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/27/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRA3100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 75.458 (CFS)
Total volume = 3.916 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN A- ROUTING
100YR-3HR STORM

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.870	0.307	0.313
2.000	0.660	1.860	0.654	0.666
2.650	0.920	2.240	0.912	0.928
3.000	1.070	36.900	0.943	1.197
3.500	1.300	133.130	0.842	1.758
4.000	1.900	264.030	0.991	2.809

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	18.9	37.73	56.59	75.46	Depth (Ft.)
0.083	1.79	0.02	0.006	O	|	|	|	|	0.02
0.167	2.95	0.06	0.022	OI	|	|	|	|	0.07
0.250	2.86	0.12	0.042	OI	|	|	|	|	0.13
0.333	3.23	0.17	0.062	OI	|	|	|	|	0.20
0.417	3.56	0.23	0.084	OI	|	|	|	|	0.27

0.500	4.03	0.30	0.108	OI	|	|	|	|	0.35
0.583	3.89	0.37	0.133	OI	|	|	|	|	0.43
0.667	4.08	0.44	0.157	OI	|	|	|	|	0.51
0.750	4.30	0.51	0.183	OI	|	|	|	|	0.59
0.833	3.93	0.58	0.207	OI	|	|	|	|	0.67
0.917	3.80	0.65	0.230	OI	|	|	|	|	0.74
1.000	4.12	0.71	0.252	OI	|	|	|	|	0.81
1.083	5.19	0.78	0.279	O I	|	|	|	|	0.90
1.167	5.78	0.87	0.311	O I	|	|	|	|	1.00
1.250	5.88	0.97	0.345	O I	|	|	|	|	1.10
1.333	5.28	1.06	0.377	O I	|	|	|	|	1.19
1.417	8.34	1.17	0.416	O I	|	|	|	|	1.30
1.500	11.21	1.34	0.475	O I	|	|	|	|	1.47
1.583	9.90	1.51	0.537	O I	|	|	|	|	1.65
1.667	10.73	1.68	0.597	O I	|	|	|	|	1.82
1.750	16.15	1.89	0.678	O I	|	|	|	|	2.04
1.833	17.71	2.04	0.781	O I	|	|	|	|	2.30
1.917	15.82	2.18	0.882	O I	|	|	|	|	2.55
2.000	15.46	9.22	0.950	| O I	|	|	|	|	2.72
2.083	16.48	15.20	0.976	| O	|	|	|	|	2.78
2.167	24.85	20.04	0.997	| O I	|	|	|	|	2.83
2.250	35.67	29.10	1.036	| | O I	|	|	|	|	2.92
2.333	29.49	32.18	1.050	| | IO	|	|	|	|	2.95
2.417	46.68	37.59	1.072	| | O I	|	|	|	|	3.00
2.500	64.29	58.72	1.122	| | | O I	|	|	|	|	3.11
2.583	75.46	**71.89**	**1.154**	**| | | O I**	**|**	**|**	**|**	**|**	**3.18**
2.667	63.59	69.10	1.147	| | | I O	|	|	|	|	3.17
2.750	26.75	40.85	1.079	| | I |O	|	|	|	|	3.02
2.833	7.37	18.78	0.992	| I O|	|	|	|	|	2.82
2.917	4.37	7.34	0.942	|I O	|	|	|	|	2.70
3.000	2.69	3.96	0.927	|O	|	|	|	|	2.67
3.083	0.79	2.24	0.918	O	|	|	|	|	2.65
3.167	0.09	2.22	0.906	O	|	|	|	|	2.61
3.250	0.00	2.20	0.891	O	|	|	|	|	2.58
3.333	0.00	2.18	0.876	O	|	|	|	|	2.54
3.417	0.00	2.15	0.861	O	|	|	|	|	2.50
3.500	0.00	2.13	0.846	O	|	|	|	|	2.47
3.583	0.00	2.11	0.832	O	|	|	|	|	2.43
3.667	0.00	2.09	0.817	O	|	|	|	|	2.39
3.750	0.00	2.07	0.803	O	|	|	|	|	2.36
3.833	0.00	2.05	0.789	O	|	|	|	|	2.32
3.917	0.00	2.03	0.775	O	|	|	|	|	2.29
4.000	0.00	2.01	0.761	O	|	|	|	|	2.25
4.083	0.00	1.99	0.747	O	|	|	|	|	2.22
4.167	0.00	1.97	0.733	O	|	|	|	|	2.18
4.250	0.00	1.95	0.720	O	|	|	|	|	2.15
4.333	0.00	1.93	0.706	O	|	|	|	|	2.12
4.417	0.00	1.91	0.693	O	|	|	|	|	2.08
4.500	0.00	1.89	0.680	O	|	|	|	|	2.05
4.583	0.00	1.87	0.667	O	|	|	|	|	2.02
4.667	0.00	1.84	0.654	O	|	|	|	|	1.98
4.750	0.00	1.81	0.642	O	|	|	|	|	1.95
4.833	0.00	1.77	0.630	O	|	|	|	|	1.91
4.917	0.00	1.74	0.617	O	|	|	|	|	1.88
5.000	0.00	1.71	0.606	O	|	|	|	|	1.84
5.083	0.00	1.67	0.594	O	|	|	|	|	1.81
5.167	0.00	1.64	0.583	O	|	|	|	|	1.78
5.250	0.00	1.61	0.571	O	|	|	|	|	1.75
5.333	0.00	1.58	0.560	O	|	|	|	|	1.72
5.417	0.00	1.55	0.550	O	|	|	|	|	1.68
5.500	0.00	1.52	0.539	O	|	|	|	|	1.65
5.583	0.00	1.49	0.529	O	|	|	|	|	1.62
5.667	0.00	1.46	0.519	O	|	|	|	|	1.60
5.750	0.00	1.43	0.509	O	|	|	|	|	1.57
5.833	0.00	1.40	0.499	O	|	|	|	|	1.54
5.917	0.00	1.38	0.489	O	|	|	|	|	1.51
6.000	0.00	1.35	0.480	O	|	|	|	|	1.49

6.083	0.00	1.32	0.471	O	|	|	|	1.46
6.167	0.00	1.30	0.462	O	|	|	|	1.43
6.250	0.00	1.27	0.453	O	|	|	|	1.41
6.333	0.00	1.25	0.444	O	|	|	|	1.38
6.417	0.00	1.23	0.436	O	|	|	|	1.36
6.500	0.00	1.20	0.427	O	|	|	|	1.33
6.583	0.00	1.18	0.419	O	|	|	|	1.31
6.667	0.00	1.16	0.411	O	|	|	|	1.29
6.750	0.00	1.13	0.403	O	|	|	|	1.27
6.833	0.00	1.11	0.395	O	|	|	|	1.24
6.917	0.00	1.09	0.388	O	|	|	|	1.22
7.000	0.00	1.07	0.380	O	|	|	|	1.20
7.083	0.00	1.05	0.373	O	|	|	|	1.18
7.167	0.00	1.03	0.366	O	|	|	|	1.16
7.250	0.00	1.01	0.359	O	|	|	|	1.14
7.333	0.00	0.99	0.352	O	|	|	|	1.12
7.417	0.00	0.97	0.345	O	|	|	|	1.10
7.500	0.00	0.95	0.339	O	|	|	|	1.08
7.583	0.00	0.93	0.332	O	|	|	|	1.06
7.667	0.00	0.91	0.326	O	|	|	|	1.05
7.750	0.00	0.90	0.320	O	|	|	|	1.03
7.833	0.00	0.88	0.313	O	|	|	|	1.01
7.917	0.00	0.86	0.307	O	|	|	|	0.99
8.000	0.00	0.85	0.302	O	|	|	|	0.97
8.083	0.00	0.83	0.296	O	|	|	|	0.95
8.167	0.00	0.81	0.290	O	|	|	|	0.94
8.250	0.00	0.80	0.285	O	|	|	|	0.92
8.333	0.00	0.78	0.279	O	|	|	|	0.90
8.417	0.00	0.77	0.274	O	|	|	|	0.88
8.500	0.00	0.75	0.269	O	|	|	|	0.87
8.583	0.00	0.74	0.263	O	|	|	|	0.85
8.667	0.00	0.72	0.258	O	|	|	|	0.83
8.750	0.00	0.71	0.253	O	|	|	|	0.82
8.833	0.00	0.70	0.249	O	|	|	|	0.80
8.917	0.00	0.68	0.244	O	|	|	|	0.79
9.000	0.00	0.67	0.239	O	|	|	|	0.77
9.083	0.00	0.66	0.235	O	|	|	|	0.76
9.167	0.00	0.65	0.230	O	|	|	|	0.74
9.250	0.00	0.63	0.226	O	|	|	|	0.73
9.333	0.00	0.62	0.221	O	|	|	|	0.71
9.417	0.00	0.61	0.217	O	|	|	|	0.70
9.500	0.00	0.60	0.213	O	|	|	|	0.69
9.583	0.00	0.59	0.209	O	|	|	|	0.67
9.667	0.00	0.57	0.205	O	|	|	|	0.66
9.750	0.00	0.56	0.201	O	|	|	|	0.65
9.833	0.00	0.55	0.197	O	|	|	|	0.64
9.917	0.00	0.54	0.193	O	|	|	|	0.62
10.000	0.00	0.53	0.190	O	|	|	|	0.61
10.083	0.00	0.52	0.186	O	|	|	|	0.60
10.167	0.00	0.51	0.182	O	|	|	|	0.59
10.250	0.00	0.50	0.179	O	|	|	|	0.58
10.333	0.00	0.49	0.176	O	|	|	|	0.57
10.417	0.00	0.48	0.172	O	|	|	|	0.56
10.500	0.00	0.47	0.169	O	|	|	|	0.54
10.583	0.00	0.46	0.166	O	|	|	|	0.53
10.667	0.00	0.46	0.162	O	|	|	|	0.52
10.750	0.00	0.45	0.159	O	|	|	|	0.51
10.833	0.00	0.44	0.156	O	|	|	|	0.50
10.917	0.00	0.43	0.153	O	|	|	|	0.49
11.000	0.00	0.42	0.150	O	|	|	|	0.49
11.083	0.00	0.41	0.147	O	|	|	|	0.48
11.167	0.00	0.41	0.145	O	|	|	|	0.47
11.250	0.00	0.40	0.142	O	|	|	|	0.46
11.333	0.00	0.39	0.139	O	|	|	|	0.45
11.417	0.00	0.38	0.137	O	|	|	|	0.44
11.500	0.00	0.38	0.134	O	|	|	|	0.43
11.583	0.00	0.37	0.131	O	|	|	|	0.42

11.667	0.00	0.36	0.129	O	|	|	|	|	0.42
11.750	0.00	0.35	0.126	O	|	|	|	|	0.41
11.833	0.00	0.35	0.124	O	|	|	|	|	0.40
11.917	0.00	0.34	0.122	O	|	|	|	|	0.39
12.000	0.00	0.33	0.119	O	|	|	|	|	0.38
12.083	0.00	0.33	0.117	O	|	|	|	|	0.38
12.167	0.00	0.32	0.115	O	|	|	|	|	0.37
12.250	0.00	0.32	0.113	O	|	|	|	|	0.36
12.333	0.00	0.31	0.110	O	|	|	|	|	0.36
12.417	0.00	0.30	0.108	O	|	|	|	|	0.35
12.500	0.00	0.30	0.106	O	|	|	|	|	0.34
12.583	0.00	0.29	0.104	O	|	|	|	|	0.34
12.667	0.00	0.29	0.102	O	|	|	|	|	0.33
12.750	0.00	0.28	0.100	O	|	|	|	|	0.32
12.833	0.00	0.28	0.098	O	|	|	|	|	0.32
12.917	0.00	0.27	0.096	O	|	|	|	|	0.31
13.000	0.00	0.27	0.095	O	|	|	|	|	0.31
13.083	0.00	0.26	0.093	O	|	|	|	|	0.30
13.167	0.00	0.26	0.091	O	|	|	|	|	0.29
13.250	0.00	0.25	0.089	O	|	|	|	|	0.29
13.333	0.00	0.25	0.088	O	|	|	|	|	0.28
13.417	0.00	0.24	0.086	O	|	|	|	|	0.28
13.500	0.00	0.24	0.084	O	|	|	|	|	0.27
13.583	0.00	0.23	0.083	O	|	|	|	|	0.27
13.667	0.00	0.23	0.081	O	|	|	|	|	0.26
13.750	0.00	0.22	0.079	O	|	|	|	|	0.26
13.833	0.00	0.22	0.078	O	|	|	|	|	0.25
13.917	0.00	0.21	0.076	O	|	|	|	|	0.25
14.000	0.00	0.21	0.075	O	|	|	|	|	0.24
14.083	0.00	0.21	0.074	O	|	|	|	|	0.24
14.167	0.00	0.20	0.072	O	|	|	|	|	0.23
14.250	0.00	0.20	0.071	O	|	|	|	|	0.23
14.333	0.00	0.19	0.069	O	|	|	|	|	0.22
14.417	0.00	0.19	0.068	O	|	|	|	|	0.22
14.500	0.00	0.19	0.067	O	|	|	|	|	0.22
14.583	0.00	0.18	0.065	O	|	|	|	|	0.21
14.667	0.00	0.18	0.064	O	|	|	|	|	0.21
14.750	0.00	0.18	0.063	O	|	|	|	|	0.20
14.833	0.00	0.17	0.062	O	|	|	|	|	0.20
14.917	0.00	0.17	0.061	O	|	|	|	|	0.20
15.000	0.00	0.17	0.059	O	|	|	|	|	0.19
15.083	0.00	0.16	0.058	O	|	|	|	|	0.19
15.167	0.00	0.16	0.057	O	|	|	|	|	0.18
15.250	0.00	0.16	0.056	O	|	|	|	|	0.18
15.333	0.00	0.15	0.055	O	|	|	|	|	0.18
15.417	0.00	0.15	0.054	O	|	|	|	|	0.17
15.500	0.00	0.15	0.053	O	|	|	|	|	0.17
15.583	0.00	0.15	0.052	O	|	|	|	|	0.17
15.667	0.00	0.14	0.051	O	|	|	|	|	0.16
15.750	0.00	0.14	0.050	O	|	|	|	|	0.16
15.833	0.00	0.14	0.049	O	|	|	|	|	0.16
15.917	0.00	0.13	0.048	O	|	|	|	|	0.16
16.000	0.00	0.13	0.047	O	|	|	|	|	0.15
16.083	0.00	0.13	0.046	O	|	|	|	|	0.15
16.167	0.00	0.13	0.045	O	|	|	|	|	0.15
16.250	0.00	0.12	0.044	O	|	|	|	|	0.14
16.333	0.00	0.12	0.044	O	|	|	|	|	0.14
16.417	0.00	0.12	0.043	O	|	|	|	|	0.14
16.500	0.00	0.12	0.042	O	|	|	|	|	0.14
16.583	0.00	0.12	0.041	O	|	|	|	|	0.13
16.667	0.00	0.11	0.040	O	|	|	|	|	0.13
16.750	0.00	0.11	0.040	O	|	|	|	|	0.13
16.833	0.00	0.11	0.039	O	|	|	|	|	0.13
16.917	0.00	0.11	0.038	O	|	|	|	|	0.12
17.000	0.00	0.10	0.037	O	|	|	|	|	0.12
17.083	0.00	0.10	0.037	O	|	|	|	|	0.12
17.167	0.00	0.10	0.036	O	|	|	|	|	0.12

17.250	0.00	0.10	0.035	O	|	|	|	|	0.11
17.333	0.00	0.10	0.035	O	|	|	|	|	0.11
17.417	0.00	0.10	0.034	O	|	|	|	|	0.11
17.500	0.00	0.09	0.033	O	|	|	|	|	0.11
17.583	0.00	0.09	0.033	O	|	|	|	|	0.11
17.667	0.00	0.09	0.032	O	|	|	|	|	0.10
17.750	0.00	0.09	0.031	O	|	|	|	|	0.10
17.833	0.00	0.09	0.031	O	|	|	|	|	0.10
17.917	0.00	0.08	0.030	O	|	|	|	|	0.10
18.000	0.00	0.08	0.030	O	|	|	|	|	0.10
18.083	0.00	0.08	0.029	O	|	|	|	|	0.09
18.167	0.00	0.08	0.029	O	|	|	|	|	0.09
18.250	0.00	0.08	0.028	O	|	|	|	|	0.09
18.333	0.00	0.08	0.027	O	|	|	|	|	0.09
18.417	0.00	0.08	0.027	O	|	|	|	|	0.09
18.500	0.00	0.07	0.026	O	|	|	|	|	0.09
18.583	0.00	0.07	0.026	O	|	|	|	|	0.08
18.667	0.00	0.07	0.025	O	|	|	|	|	0.08
18.750	0.00	0.07	0.025	O	|	|	|	|	0.08
18.833	0.00	0.07	0.024	O	|	|	|	|	0.08
18.917	0.00	0.07	0.024	O	|	|	|	|	0.08
19.000	0.00	0.07	0.024	O	|	|	|	|	0.08
19.083	0.00	0.06	0.023	O	|	|	|	|	0.07
19.167	0.00	0.06	0.023	O	|	|	|	|	0.07
19.250	0.00	0.06	0.022	O	|	|	|	|	0.07
19.333	0.00	0.06	0.022	O	|	|	|	|	0.07
19.417	0.00	0.06	0.021	O	|	|	|	|	0.07
19.500	0.00	0.06	0.021	O	|	|	|	|	0.07
19.583	0.00	0.06	0.021	O	|	|	|	|	0.07
19.667	0.00	0.06	0.020	O	|	|	|	|	0.06
19.750	0.00	0.06	0.020	O	|	|	|	|	0.06
19.833	0.00	0.05	0.019	O	|	|	|	|	0.06
19.917	0.00	0.05	0.019	O	|	|	|	|	0.06
20.000	0.00	0.05	0.019	O	|	|	|	|	0.06
20.083	0.00	0.05	0.018	O	|	|	|	|	0.06
20.167	0.00	0.05	0.018	O	|	|	|	|	0.06
20.250	0.00	0.05	0.018	O	|	|	|	|	0.06
20.333	0.00	0.05	0.017	O	|	|	|	|	0.06
20.417	0.00	0.05	0.017	O	|	|	|	|	0.05
20.500	0.00	0.05	0.017	O	|	|	|	|	0.05
20.583	0.00	0.05	0.016	O	|	|	|	|	0.05
20.667	0.00	0.04	0.016	O	|	|	|	|	0.05
20.750	0.00	0.04	0.016	O	|	|	|	|	0.05
20.833	0.00	0.04	0.015	O	|	|	|	|	0.05
20.917	0.00	0.04	0.015	O	|	|	|	|	0.05
21.000	0.00	0.04	0.015	O	|	|	|	|	0.05
21.083	0.00	0.04	0.015	O	|	|	|	|	0.05
21.167	0.00	0.04	0.014	O	|	|	|	|	0.05
21.250	0.00	0.04	0.014	O	|	|	|	|	0.05
21.333	0.00	0.04	0.014	O	|	|	|	|	0.04
21.417	0.00	0.04	0.013	O	|	|	|	|	0.04
21.500	0.00	0.04	0.013	O	|	|	|	|	0.04
21.583	0.00	0.04	0.013	O	|	|	|	|	0.04
21.667	0.00	0.04	0.013	O	|	|	|	|	0.04
21.750	0.00	0.03	0.012	O	|	|	|	|	0.04
21.833	0.00	0.03	0.012	O	|	|	|	|	0.04
21.917	0.00	0.03	0.012	O	|	|	|	|	0.04
22.000	0.00	0.03	0.012	O	|	|	|	|	0.04
22.083	0.00	0.03	0.011	O	|	|	|	|	0.04
22.167	0.00	0.03	0.011	O	|	|	|	|	0.04
22.250	0.00	0.03	0.011	O	|	|	|	|	0.04
22.333	0.00	0.03	0.011	O	|	|	|	|	0.04
22.417	0.00	0.03	0.011	O	|	|	|	|	0.03
22.500	0.00	0.03	0.010	O	|	|	|	|	0.03
22.583	0.00	0.03	0.010	O	|	|	|	|	0.03
22.667	0.00	0.03	0.010	O	|	|	|	|	0.03
22.750	0.00	0.03	0.010	O	|	|	|	|	0.03

22.833	0.00	0.03	0.010	O	|	|	|	|	0.03
22.917	0.00	0.03	0.009	O	|	|	|	|	0.03
23.000	0.00	0.03	0.009	O	|	|	|	|	0.03
23.083	0.00	0.03	0.009	O	|	|	|	|	0.03
23.167	0.00	0.03	0.009	O	|	|	|	|	0.03
23.250	0.00	0.02	0.009	O	|	|	|	|	0.03
23.333	0.00	0.02	0.009	O	|	|	|	|	0.03
23.417	0.00	0.02	0.008	O	|	|	|	|	0.03
23.500	0.00	0.02	0.008	O	|	|	|	|	0.03
23.583	0.00	0.02	0.008	O	|	|	|	|	0.03
23.667	0.00	0.02	0.008	O	|	|	|	|	0.03
23.750	0.00	0.02	0.008	O	|	|	|	|	0.03
23.833	0.00	0.02	0.008	O	|	|	|	|	0.02
23.917	0.00	0.02	0.008	O	|	|	|	|	0.02
24.000	0.00	0.02	0.007	O	|	|	|	|	0.02
24.083	0.00	0.02	0.007	O	|	|	|	|	0.02
24.167	0.00	0.02	0.007	O	|	|	|	|	0.02
24.250	0.00	0.02	0.007	O	|	|	|	|	0.02
24.333	0.00	0.02	0.007	O	|	|	|	|	0.02
24.417	0.00	0.02	0.007	O	|	|	|	|	0.02
24.500	0.00	0.02	0.007	O	|	|	|	|	0.02
24.583	0.00	0.02	0.006	O	|	|	|	|	0.02
24.667	0.00	0.02	0.006	O	|	|	|	|	0.02
24.750	0.00	0.02	0.006	O	|	|	|	|	0.02
24.833	0.00	0.02	0.006	O	|	|	|	|	0.02
24.917	0.00	0.02	0.006	O	|	|	|	|	0.02
25.000	0.00	0.02	0.006	O	|	|	|	|	0.02
25.083	0.00	0.02	0.006	O	|	|	|	|	0.02
25.167	0.00	0.02	0.006	O	|	|	|	|	0.02
25.250	0.00	0.02	0.006	O	|	|	|	|	0.02
25.333	0.00	0.02	0.005	O	|	|	|	|	0.02
25.417	0.00	0.01	0.005	O	|	|	|	|	0.02
25.500	0.00	0.01	0.005	O	|	|	|	|	0.02
25.583	0.00	0.01	0.005	O	|	|	|	|	0.02
25.667	0.00	0.01	0.005	O	|	|	|	|	0.02
25.750	0.00	0.01	0.005	O	|	|	|	|	0.02
25.833	0.00	0.01	0.005	O	|	|	|	|	0.02
25.917	0.00	0.01	0.005	O	|	|	|	|	0.02
26.000	0.00	0.01	0.005	O	|	|	|	|	0.01
26.083	0.00	0.01	0.005	O	|	|	|	|	0.01
26.167	0.00	0.01	0.004	O	|	|	|	|	0.01
26.250	0.00	0.01	0.004	O	|	|	|	|	0.01
26.333	0.00	0.01	0.004	O	|	|	|	|	0.01
26.417	0.00	0.01	0.004	O	|	|	|	|	0.01
26.500	0.00	0.01	0.004	O	|	|	|	|	0.01
26.583	0.00	0.01	0.004	O	|	|	|	|	0.01
26.667	0.00	0.01	0.004	O	|	|	|	|	0.01
26.750	0.00	0.01	0.004	O	|	|	|	|	0.01
26.833	0.00	0.01	0.004	O	|	|	|	|	0.01
26.917	0.00	0.01	0.004	O	|	|	|	|	0.01
27.000	0.00	0.01	0.004	O	|	|	|	|	0.01
27.083	0.00	0.01	0.004	O	|	|	|	|	0.01
27.167	0.00	0.01	0.004	O	|	|	|	|	0.01
27.250	0.00	0.01	0.003	O	|	|	|	|	0.01
27.333	0.00	0.01	0.003	O	|	|	|	|	0.01
27.417	0.00	0.01	0.003	O	|	|	|	|	0.01
27.500	0.00	0.01	0.003	O	|	|	|	|	0.01
27.583	0.00	0.01	0.003	O	|	|	|	|	0.01
27.667	0.00	0.01	0.003	O	|	|	|	|	0.01
27.750	0.00	0.01	0.003	O	|	|	|	|	0.01
27.833	0.00	0.01	0.003	O	|	|	|	|	0.01
27.917	0.00	0.01	0.003	O	|	|	|	|	0.01
28.000	0.00	0.01	0.003	O	|	|	|	|	0.01
28.083	0.00	0.01	0.003	O	|	|	|	|	0.01
28.167	0.00	0.01	0.003	O	|	|	|	|	0.01
28.250	0.00	0.01	0.003	O	|	|	|	|	0.01
28.333	0.00	0.01	0.003	O	|	|	|	|	0.01

28.417	0.00	0.01	0.003	O	|	|	|	0.01
28.500	0.00	0.01	0.003	O	|	|	|	0.01
28.583	0.00	0.01	0.003	O	|	|	|	0.01
28.667	0.00	0.01	0.002	O	|	|	|	0.01
28.750	0.00	0.01	0.002	O	|	|	|	0.01
28.833	0.00	0.01	0.002	O	|	|	|	0.01
28.917	0.00	0.01	0.002	O	|	|	|	0.01
29.000	0.00	0.01	0.002	O	|	|	|	0.01
29.083	0.00	0.01	0.002	O	|	|	|	0.01
29.167	0.00	0.01	0.002	O	|	|	|	0.01
29.250	0.00	0.01	0.002	O	|	|	|	0.01
29.333	0.00	0.01	0.002	O	|	|	|	0.01
29.417	0.00	0.01	0.002	O	|	|	|	0.01
29.500	0.00	0.01	0.002	O	|	|	|	0.01
29.583	0.00	0.01	0.002	O	|	|	|	0.01
29.667	0.00	0.01	0.002	O	|	|	|	0.01
29.750	0.00	0.01	0.002	O	|	|	|	0.01
29.833	0.00	0.01	0.002	O	|	|	|	0.01
29.917	0.00	0.01	0.002	O	|	|	|	0.01
30.000	0.00	0.01	0.002	O	|	|	|	0.01
30.083	0.00	0.01	0.002	O	|	|	|	0.01
30.167	0.00	0.00	0.002	O	|	|	|	0.01
30.250	0.00	0.00	0.002	O	|	|	|	0.01
30.333	0.00	0.00	0.002	O	|	|	|	0.01
30.417	0.00	0.00	0.002	O	|	|	|	0.01
30.500	0.00	0.00	0.002	O	|	|	|	0.01
30.583	0.00	0.00	0.002	O	|	|	|	0.01
30.667	0.00	0.00	0.002	O	|	|	|	0.01
30.750	0.00	0.00	0.002	O	|	|	|	0.00
30.833	0.00	0.00	0.002	O	|	|	|	0.00
30.917	0.00	0.00	0.001	O	|	|	|	0.00
31.000	0.00	0.00	0.001	O	|	|	|	0.00
31.083	0.00	0.00	0.001	O	|	|	|	0.00
31.167	0.00	0.00	0.001	O	|	|	|	0.00
31.250	0.00	0.00	0.001	O	|	|	|	0.00
31.333	0.00	0.00	0.001	O	|	|	|	0.00
31.417	0.00	0.00	0.001	O	|	|	|	0.00
31.500	0.00	0.00	0.001	O	|	|	|	0.00
31.583	0.00	0.00	0.001	O	|	|	|	0.00
31.667	0.00	0.00	0.001	O	|	|	|	0.00
31.750	0.00	0.00	0.001	O	|	|	|	0.00
31.833	0.00	0.00	0.001	O	|	|	|	0.00
31.917	0.00	0.00	0.001	O	|	|	|	0.00
32.000	0.00	0.00	0.001	O	|	|	|	0.00
32.083	0.00	0.00	0.001	O	|	|	|	0.00
32.167	0.00	0.00	0.001	O	|	|	|	0.00
32.250	0.00	0.00	0.001	O	|	|	|	0.00
32.333	0.00	0.00	0.001	O	|	|	|	0.00
32.417	0.00	0.00	0.001	O	|	|	|	0.00
32.500	0.00	0.00	0.001	O	|	|	|	0.00
32.583	0.00	0.00	0.001	O	|	|	|	0.00
32.667	0.00	0.00	0.001	O	|	|	|	0.00
32.750	0.00	0.00	0.001	O	|	|	|	0.00
32.833	0.00	0.00	0.001	O	|	|	|	0.00
32.917	0.00	0.00	0.001	O	|	|	|	0.00
33.000	0.00	0.00	0.001	O	|	|	|	0.00
33.083	0.00	0.00	0.001	O	|	|	|	0.00
33.167	0.00	0.00	0.001	O	|	|	|	0.00
33.250	0.00	0.00	0.001	O	|	|	|	0.00
33.333	0.00	0.00	0.001	O	|	|	|	0.00
33.417	0.00	0.00	0.001	O	|	|	|	0.00
33.500	0.00	0.00	0.001	O	|	|	|	0.00
33.583	0.00	0.00	0.001	O	|	|	|	0.00
33.667	0.00	0.00	0.001	O	|	|	|	0.00
33.750	0.00	0.00	0.001	O	|	|	|	0.00
33.833	0.00	0.00	0.001	O	|	|	|	0.00
33.917	0.00	0.00	0.001	O	|	|	|	0.00

34.000	0.00	0.00	0.001	O	|	|	|	|	0.00
34.083	0.00	0.00	0.001	O	|	|	|	|	0.00
34.167	0.00	0.00	0.001	O	|	|	|	|	0.00
34.250	0.00	0.00	0.001	O	|	|	|	|	0.00
34.333	0.00	0.00	0.001	O	|	|	|	|	0.00
34.417	0.00	0.00	0.001	O	|	|	|	|	0.00
34.500	0.00	0.00	0.001	O	|	|	|	|	0.00
34.583	0.00	0.00	0.001	O	|	|	|	|	0.00
34.667	0.00	0.00	0.001	O	|	|	|	|	0.00
34.750	0.00	0.00	0.001	O	|	|	|	|	0.00
34.833	0.00	0.00	0.001	O	|	|	|	|	0.00
34.917	0.00	0.00	0.001	O	|	|	|	|	0.00
35.000	0.00	0.00	0.001	O	|	|	|	|	0.00
35.083	0.00	0.00	0.001	O	|	|	|	|	0.00
35.167	0.00	0.00	0.001	O	|	|	|	|	0.00
35.250	0.00	0.00	0.001	O	|	|	|	|	0.00
35.333	0.00	0.00	0.001	O	|	|	|	|	0.00
35.417	0.00	0.00	0.001	O	|	|	|	|	0.00
35.500	0.00	0.00	0.001	O	|	|	|	|	0.00
35.583	0.00	0.00	0.001	O	|	|	|	|	0.00
35.667	0.00	0.00	0.000	O	|	|	|	|	0.00
35.750	0.00	0.00	0.000	O	|	|	|	|	0.00
35.833	0.00	0.00	0.000	O	|	|	|	|	0.00
35.917	0.00	0.00	0.000	O	|	|	|	|	0.00
36.000	0.00	0.00	0.000	O	|	|	|	|	0.00
36.083	0.00	0.00	0.000	O	|	|	|	|	0.00
36.167	0.00	0.00	0.000	O	|	|	|	|	0.00
36.250	0.00	0.00	0.000	O	|	|	|	|	0.00
36.333	0.00	0.00	0.000	O	|	|	|	|	0.00
36.417	0.00	0.00	0.000	O	|	|	|	|	0.00
36.500	0.00	0.00	0.000	O	|	|	|	|	0.00
36.583	0.00	0.00	0.000	O	|	|	|	|	0.00
36.667	0.00	0.00	0.000	O	|	|	|	|	0.00
36.750	0.00	0.00	0.000	O	|	|	|	|	0.00
36.833	0.00	0.00	0.000	O	|	|	|	|	0.00
36.917	0.00	0.00	0.000	O	|	|	|	|	0.00
37.000	0.00	0.00	0.000	O	|	|	|	|	0.00
37.083	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 445
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 71.889 (CFS)
Total volume = 3.915 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/27/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRA6100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 75.364 (CFS)
Total volume = 5.226 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN A- ROUTING
100YR-6HR STORM

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.870	0.307	0.313
2.000	0.660	1.860	0.654	0.666
2.650	0.920	2.240	0.912	0.928
3.000	1.070	36.900	0.943	1.197
3.500	1.300	133.130	0.842	1.758
4.000	1.900	264.030	0.991	2.809

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 18.8 37.68 56.52 75.36	Depth (Ft.)
0.083	1.03	0.01	0.004	O | | | | |	0.01
0.167	1.91	0.04	0.013	O | | | | |	0.04
0.250	2.15	0.08	0.027	O | | | | |	0.09
0.333	2.17	0.12	0.041	O | | | | |	0.13
0.417	2.17	0.16	0.055	O | | | | |	0.18

0.500	2.38	0.20	0.070	OI	|	|	|	|	0.23
0.583	2.51	0.24	0.085	OI	|	|	|	|	0.27
0.667	2.53	0.28	0.101	OI	|	|	|	|	0.32
0.750	2.53	0.33	0.116	OI	|	|	|	|	0.37
0.833	2.53	0.37	0.131	OI	|	|	|	|	0.42
0.917	2.53	0.41	0.146	OI	|	|	|	|	0.47
1.000	2.74	0.45	0.161	OI	|	|	|	|	0.52
1.083	2.87	0.50	0.177	OI	|	|	|	|	0.57
1.167	2.89	0.54	0.193	OI	|	|	|	|	0.62
1.250	2.89	0.59	0.209	OI	|	|	|	|	0.68
1.333	2.89	0.63	0.225	OI	|	|	|	|	0.73
1.417	2.89	0.68	0.241	OI	|	|	|	|	0.78
1.500	2.89	0.72	0.256	OI	|	|	|	|	0.82
1.583	2.89	0.76	0.271	OI	|	|	|	|	0.87
1.667	2.89	0.80	0.285	OI	|	|	|	|	0.92
1.750	2.89	0.84	0.299	OI	|	|	|	|	0.97
1.833	2.89	0.88	0.313	OI	|	|	|	|	1.01
1.917	2.89	0.92	0.327	OI	|	|	|	|	1.05
2.000	3.10	0.96	0.341	OI	|	|	|	|	1.09
2.083	3.03	1.00	0.356	OI	|	|	|	|	1.13
2.167	3.12	1.04	0.370	OI	|	|	|	|	1.17
2.250	3.24	1.08	0.385	OI	|	|	|	|	1.21
2.333	3.26	1.12	0.399	OI	|	|	|	|	1.26
2.417	3.26	1.16	0.414	OI	|	|	|	|	1.30
2.500	3.26	1.20	0.428	OI	|	|	|	|	1.34
2.583	3.26	1.24	0.442	OI	|	|	|	|	1.38
2.667	3.26	1.28	0.456	OI	|	|	|	|	1.42
2.750	3.46	1.32	0.470	OI	|	|	|	|	1.46
2.833	3.60	1.37	0.485	OI	|	|	|	|	1.50
2.917	3.62	1.41	0.500	OI	|	|	|	|	1.54
3.000	3.62	1.45	0.515	OI	|	|	|	|	1.59
3.083	3.62	1.49	0.530	OI	|	|	|	|	1.63
3.167	3.83	1.54	0.545	OI	|	|	|	|	1.67
3.250	3.96	1.58	0.562	OI	|	|	|	|	1.72
3.333	3.98	1.63	0.578	OI	|	|	|	|	1.77
3.417	4.19	1.67	0.595	OI	|	|	|	|	1.81
3.500	4.53	1.73	0.613	OI	|	|	|	|	1.87
3.583	4.89	1.78	0.633	O I	|	|	|	|	1.92
3.667	5.04	1.85	0.655	O I	|	|	|	|	1.99
3.750	5.89	1.89	0.680	O I	|	|	|	|	2.05
3.833	6.42	1.93	0.709	O I	|	|	|	|	2.12
3.917	7.57	1.98	0.744	O I	|	|	|	|	2.21
4.000	8.26	2.04	0.784	O I	|	|	|	|	2.31
4.083	9.44	2.11	0.831	O I	|	|	|	|	2.43
4.167	11.20	2.19	0.887	O I	|	|	|	|	2.57
4.250	13.06	6.79	0.940	| O I	|	|	|	|	2.70
4.333	14.93	13.18	0.967	| OI	|	|	|	|	2.76
4.417	16.80	15.56	0.978	| OI|	|	|	|	2.78
4.500	17.60	17.02	0.984	| O|	|	|	|	2.80
4.583	18.78	18.06	0.988	| O|	|	|	|	2.81
4.667	20.54	19.48	0.995	| O	|	|	|	2.82
4.750	22.41	21.25	1.002	| |O	|	|	|	2.84
4.833	23.21	22.63	1.008	| |O	|	|	|	2.86
4.917	24.39	23.67	1.013	| | O	|	|	|	2.87
5.000	26.15	25.09	1.019	| | OI	|	|	|	2.88
5.083	32.29	28.75	1.035	| | OI	|	|	|	2.92
5.167	41.19	35.83	1.065	| | O|I	|	|	|	2.99
5.250	48.40	46.05	1.092	| | | OI	|	|	|	3.05
5.333	54.23	52.26	1.107	| | | OI|	|	|	|	3.08
5.417	61.97	59.15	1.123	| | | |OI	|	|	|	3.12
5.500	75.36	**70.39**	**1.150**	| | | | **O I**	|	|	|	**3.17**
5.583	42.62	56.93	1.118	| | | I	O	|	|	3.10
5.667	11.99	25.68	1.021	| I | O	|	|	|	2.89
5.750	3.28	9.69	0.952	|I O |	|	|	|	2.73
5.833	2.03	3.45	0.925	IO	|	|	|	|	2.66
5.917	1.42	2.24	0.918	O	|	|	|	|	2.64
6.000	0.92	2.23	0.910	O	|	|	|	|	2.63

6.083	0.33	2.21	0.899	O	|	|	|	|	2.60
6.167	0.04	2.19	0.885	O	|	|	|	|	2.56
6.250	0.00	2.17	0.871	O	|	|	|	|	2.53
6.333	0.00	2.15	0.856	O	|	|	|	|	2.49
6.417	0.00	2.12	0.841	O	|	|	|	|	2.45
6.500	0.00	2.10	0.826	O	|	|	|	|	2.42
6.583	0.00	2.08	0.812	O	|	|	|	|	2.38
6.667	0.00	2.06	0.798	O	|	|	|	|	2.34
6.750	0.00	2.04	0.784	O	|	|	|	|	2.31
6.833	0.00	2.02	0.770	O	|	|	|	|	2.27
6.917	0.00	2.00	0.756	O	|	|	|	|	2.24
7.000	0.00	1.98	0.742	O	|	|	|	|	2.21
7.083	0.00	1.96	0.729	O	|	|	|	|	2.17
7.167	0.00	1.94	0.715	O	|	|	|	|	2.14
7.250	0.00	1.92	0.702	O	|	|	|	|	2.10
7.333	0.00	1.90	0.689	O	|	|	|	|	2.07
7.417	0.00	1.88	0.676	O	|	|	|	|	2.04
7.500	0.00	1.86	0.663	O	|	|	|	|	2.01
7.583	0.00	1.83	0.650	O	|	|	|	|	1.97
7.667	0.00	1.80	0.637	O	|	|	|	|	1.94
7.750	0.00	1.76	0.625	O	|	|	|	|	1.90
7.833	0.00	1.73	0.613	O	|	|	|	|	1.87
7.917	0.00	1.69	0.601	O	|	|	|	|	1.83
8.000	0.00	1.66	0.590	O	|	|	|	|	1.80
8.083	0.00	1.63	0.579	O	|	|	|	|	1.77
8.167	0.00	1.60	0.567	O	|	|	|	|	1.74
8.250	0.00	1.57	0.557	O	|	|	|	|	1.70
8.333	0.00	1.54	0.546	O	|	|	|	|	1.67
8.417	0.00	1.51	0.535	O	|	|	|	|	1.64
8.500	0.00	1.48	0.525	O	|	|	|	|	1.61
8.583	0.00	1.45	0.515	O	|	|	|	|	1.59
8.667	0.00	1.42	0.505	O	|	|	|	|	1.56
8.750	0.00	1.39	0.495	O	|	|	|	|	1.53
8.833	0.00	1.37	0.486	O	|	|	|	|	1.50
8.917	0.00	1.34	0.477	O	|	|	|	|	1.48
9.000	0.00	1.32	0.467	O	|	|	|	|	1.45
9.083	0.00	1.29	0.458	O	|	|	|	|	1.42
9.167	0.00	1.26	0.450	O	|	|	|	|	1.40
9.250	0.00	1.24	0.441	O	|	|	|	|	1.37
9.333	0.00	1.22	0.433	O	|	|	|	|	1.35
9.417	0.00	1.19	0.424	O	|	|	|	|	1.33
9.500	0.00	1.17	0.416	O	|	|	|	|	1.30
9.583	0.00	1.15	0.408	O	|	|	|	|	1.28
9.667	0.00	1.13	0.400	O	|	|	|	|	1.26
9.750	0.00	1.10	0.393	O	|	|	|	|	1.24
9.833	0.00	1.08	0.385	O	|	|	|	|	1.21
9.917	0.00	1.06	0.378	O	|	|	|	|	1.19
10.000	0.00	1.04	0.370	O	|	|	|	|	1.17
10.083	0.00	1.02	0.363	O	|	|	|	|	1.15
10.167	0.00	1.00	0.356	O	|	|	|	|	1.13
10.250	0.00	0.98	0.350	O	|	|	|	|	1.11
10.333	0.00	0.96	0.343	O	|	|	|	|	1.09
10.417	0.00	0.94	0.336	O	|	|	|	|	1.08
10.500	0.00	0.93	0.330	O	|	|	|	|	1.06
10.583	0.00	0.91	0.324	O	|	|	|	|	1.04
10.667	0.00	0.89	0.317	O	|	|	|	|	1.02
10.750	0.00	0.87	0.311	O	|	|	|	|	1.00
10.833	0.00	0.86	0.305	O	|	|	|	|	0.98
10.917	0.00	0.84	0.299	O	|	|	|	|	0.97
11.000	0.00	0.82	0.294	O	|	|	|	|	0.95
11.083	0.00	0.81	0.288	O	|	|	|	|	0.93
11.167	0.00	0.79	0.283	O	|	|	|	|	0.91
11.250	0.00	0.78	0.277	O	|	|	|	|	0.89
11.333	0.00	0.76	0.272	O	|	|	|	|	0.88
11.417	0.00	0.75	0.267	O	|	|	|	|	0.86
11.500	0.00	0.73	0.262	O	|	|	|	|	0.84
11.583	0.00	0.72	0.257	O	|	|	|	|	0.83

11.667	0.00	0.71	0.252	O	|	|	|	0.81
11.750	0.00	0.69	0.247	O	|	|	|	0.80
11.833	0.00	0.68	0.242	O	|	|	|	0.78
11.917	0.00	0.67	0.237	O	|	|	|	0.77
12.000	0.00	0.65	0.233	O	|	|	|	0.75
12.083	0.00	0.64	0.228	O	|	|	|	0.74
12.167	0.00	0.63	0.224	O	|	|	|	0.72
12.250	0.00	0.62	0.220	O	|	|	|	0.71
12.333	0.00	0.61	0.216	O	|	|	|	0.70
12.417	0.00	0.59	0.211	O	|	|	|	0.68
12.500	0.00	0.58	0.207	O	|	|	|	0.67
12.583	0.00	0.57	0.203	O	|	|	|	0.66
12.667	0.00	0.56	0.200	O	|	|	|	0.64
12.750	0.00	0.55	0.196	O	|	|	|	0.63
12.833	0.00	0.54	0.192	O	|	|	|	0.62
12.917	0.00	0.53	0.188	O	|	|	|	0.61
13.000	0.00	0.52	0.185	O	|	|	|	0.60
13.083	0.00	0.51	0.181	O	|	|	|	0.58
13.167	0.00	0.50	0.178	O	|	|	|	0.57
13.250	0.00	0.49	0.174	O	|	|	|	0.56
13.333	0.00	0.48	0.171	O	|	|	|	0.55
13.417	0.00	0.47	0.168	O	|	|	|	0.54
13.500	0.00	0.46	0.164	O	|	|	|	0.53
13.583	0.00	0.45	0.161	O	|	|	|	0.52
13.667	0.00	0.44	0.158	O	|	|	|	0.51
13.750	0.00	0.44	0.155	O	|	|	|	0.50
13.833	0.00	0.43	0.152	O	|	|	|	0.49
13.917	0.00	0.42	0.149	O	|	|	|	0.48
14.000	0.00	0.41	0.146	O	|	|	|	0.47
14.083	0.00	0.40	0.144	O	|	|	|	0.46
14.167	0.00	0.40	0.141	O	|	|	|	0.45
14.250	0.00	0.39	0.138	O	|	|	|	0.45
14.333	0.00	0.38	0.136	O	|	|	|	0.44
14.417	0.00	0.37	0.133	O	|	|	|	0.43
14.500	0.00	0.37	0.130	O	|	|	|	0.42
14.583	0.00	0.36	0.128	O	|	|	|	0.41
14.667	0.00	0.35	0.125	O	|	|	|	0.40
14.750	0.00	0.35	0.123	O	|	|	|	0.40
14.833	0.00	0.34	0.121	O	|	|	|	0.39
14.917	0.00	0.33	0.118	O	|	|	|	0.38
15.000	0.00	0.33	0.116	O	|	|	|	0.37
15.083	0.00	0.32	0.114	O	|	|	|	0.37
15.167	0.00	0.31	0.112	O	|	|	|	0.36
15.250	0.00	0.31	0.110	O	|	|	|	0.35
15.333	0.00	0.30	0.108	O	|	|	|	0.35
15.417	0.00	0.30	0.105	O	|	|	|	0.34
15.500	0.00	0.29	0.103	O	|	|	|	0.33
15.583	0.00	0.28	0.101	O	|	|	|	0.33
15.667	0.00	0.28	0.100	O	|	|	|	0.32
15.750	0.00	0.27	0.098	O	|	|	|	0.31
15.833	0.00	0.27	0.096	O	|	|	|	0.31
15.917	0.00	0.26	0.094	O	|	|	|	0.30
16.000	0.00	0.26	0.092	O	|	|	|	0.30
16.083	0.00	0.25	0.090	O	|	|	|	0.29
16.167	0.00	0.25	0.089	O	|	|	|	0.29
16.250	0.00	0.24	0.087	O	|	|	|	0.28
16.333	0.00	0.24	0.085	O	|	|	|	0.28
16.417	0.00	0.23	0.084	O	|	|	|	0.27
16.500	0.00	0.23	0.082	O	|	|	|	0.26
16.583	0.00	0.23	0.080	O	|	|	|	0.26
16.667	0.00	0.22	0.079	O	|	|	|	0.25
16.750	0.00	0.22	0.077	O	|	|	|	0.25
16.833	0.00	0.21	0.076	O	|	|	|	0.24
16.917	0.00	0.21	0.074	O	|	|	|	0.24
17.000	0.00	0.20	0.073	O	|	|	|	0.24
17.083	0.00	0.20	0.072	O	|	|	|	0.23
17.167	0.00	0.20	0.070	O	|	|	|	0.23

17.250	0.00	0.19	0.069	O	|	|	|	0.22
17.333	0.00	0.19	0.068	O	|	|	|	0.22
17.417	0.00	0.19	0.066	O	|	|	|	0.21
17.500	0.00	0.18	0.065	O	|	|	|	0.21
17.583	0.00	0.18	0.064	O	|	|	|	0.21
17.667	0.00	0.18	0.063	O	|	|	|	0.20
17.750	0.00	0.17	0.061	O	|	|	|	0.20
17.833	0.00	0.17	0.060	O	|	|	|	0.19
17.917	0.00	0.17	0.059	O	|	|	|	0.19
18.000	0.00	0.16	0.058	O	|	|	|	0.19
18.083	0.00	0.16	0.057	O	|	|	|	0.18
18.167	0.00	0.16	0.056	O	|	|	|	0.18
18.250	0.00	0.15	0.055	O	|	|	|	0.18
18.333	0.00	0.15	0.054	O	|	|	|	0.17
18.417	0.00	0.15	0.053	O	|	|	|	0.17
18.500	0.00	0.14	0.052	O	|	|	|	0.17
18.583	0.00	0.14	0.051	O	|	|	|	0.16
18.667	0.00	0.14	0.050	O	|	|	|	0.16
18.750	0.00	0.14	0.049	O	|	|	|	0.16
18.833	0.00	0.13	0.048	O	|	|	|	0.15
18.917	0.00	0.13	0.047	O	|	|	|	0.15
19.000	0.00	0.13	0.046	O	|	|	|	0.15
19.083	0.00	0.13	0.045	O	|	|	|	0.15
19.167	0.00	0.12	0.044	O	|	|	|	0.14
19.250	0.00	0.12	0.043	O	|	|	|	0.14
19.333	0.00	0.12	0.043	O	|	|	|	0.14
19.417	0.00	0.12	0.042	O	|	|	|	0.13
19.500	0.00	0.11	0.041	O	|	|	|	0.13
19.583	0.00	0.11	0.040	O	|	|	|	0.13
19.667	0.00	0.11	0.039	O	|	|	|	0.13
19.750	0.00	0.11	0.039	O	|	|	|	0.12
19.833	0.00	0.11	0.038	O	|	|	|	0.12
19.917	0.00	0.10	0.037	O	|	|	|	0.12
20.000	0.00	0.10	0.036	O	|	|	|	0.12
20.083	0.00	0.10	0.036	O	|	|	|	0.12
20.167	0.00	0.10	0.035	O	|	|	|	0.11
20.250	0.00	0.10	0.034	O	|	|	|	0.11
20.333	0.00	0.09	0.034	O	|	|	|	0.11
20.417	0.00	0.09	0.033	O	|	|	|	0.11
20.500	0.00	0.09	0.032	O	|	|	|	0.10
20.583	0.00	0.09	0.032	O	|	|	|	0.10
20.667	0.00	0.09	0.031	O	|	|	|	0.10
20.750	0.00	0.09	0.031	O	|	|	|	0.10
20.833	0.00	0.08	0.030	O	|	|	|	0.10
20.917	0.00	0.08	0.029	O	|	|	|	0.09
21.000	0.00	0.08	0.029	O	|	|	|	0.09
21.083	0.00	0.08	0.028	O	|	|	|	0.09
21.167	0.00	0.08	0.028	O	|	|	|	0.09
21.250	0.00	0.08	0.027	O	|	|	|	0.09
21.333	0.00	0.08	0.027	O	|	|	|	0.09
21.417	0.00	0.07	0.026	O	|	|	|	0.08
21.500	0.00	0.07	0.026	O	|	|	|	0.08
21.583	0.00	0.07	0.025	O	|	|	|	0.08
21.667	0.00	0.07	0.025	O	|	|	|	0.08
21.750	0.00	0.07	0.024	O	|	|	|	0.08
21.833	0.00	0.07	0.024	O	|	|	|	0.08
21.917	0.00	0.07	0.023	O	|	|	|	0.08
22.000	0.00	0.06	0.023	O	|	|	|	0.07
22.083	0.00	0.06	0.022	O	|	|	|	0.07
22.167	0.00	0.06	0.022	O	|	|	|	0.07
22.250	0.00	0.06	0.022	O	|	|	|	0.07
22.333	0.00	0.06	0.021	O	|	|	|	0.07
22.417	0.00	0.06	0.021	O	|	|	|	0.07
22.500	0.00	0.06	0.020	O	|	|	|	0.07
22.583	0.00	0.06	0.020	O	|	|	|	0.06
22.667	0.00	0.06	0.020	O	|	|	|	0.06
22.750	0.00	0.05	0.019	O	|	|	|	0.06

22.833	0.00	0.05	0.019	O	|	|	|	|	0.06
22.917	0.00	0.05	0.019	O	|	|	|	|	0.06
23.000	0.00	0.05	0.018	O	|	|	|	|	0.06
23.083	0.00	0.05	0.018	O	|	|	|	|	0.06
23.167	0.00	0.05	0.017	O	|	|	|	|	0.06
23.250	0.00	0.05	0.017	O	|	|	|	|	0.06
23.333	0.00	0.05	0.017	O	|	|	|	|	0.05
23.417	0.00	0.05	0.016	O	|	|	|	|	0.05
23.500	0.00	0.05	0.016	O	|	|	|	|	0.05
23.583	0.00	0.04	0.016	O	|	|	|	|	0.05
23.667	0.00	0.04	0.016	O	|	|	|	|	0.05
23.750	0.00	0.04	0.015	O	|	|	|	|	0.05
23.833	0.00	0.04	0.015	O	|	|	|	|	0.05
23.917	0.00	0.04	0.015	O	|	|	|	|	0.05
24.000	0.00	0.04	0.014	O	|	|	|	|	0.05
24.083	0.00	0.04	0.014	O	|	|	|	|	0.05
24.167	0.00	0.04	0.014	O	|	|	|	|	0.04
24.250	0.00	0.04	0.014	O	|	|	|	|	0.04
24.333	0.00	0.04	0.013	O	|	|	|	|	0.04
24.417	0.00	0.04	0.013	O	|	|	|	|	0.04
24.500	0.00	0.04	0.013	O	|	|	|	|	0.04
24.583	0.00	0.04	0.013	O	|	|	|	|	0.04
24.667	0.00	0.03	0.012	O	|	|	|	|	0.04
24.750	0.00	0.03	0.012	O	|	|	|	|	0.04
24.833	0.00	0.03	0.012	O	|	|	|	|	0.04
24.917	0.00	0.03	0.012	O	|	|	|	|	0.04
25.000	0.00	0.03	0.011	O	|	|	|	|	0.04
25.083	0.00	0.03	0.011	O	|	|	|	|	0.04
25.167	0.00	0.03	0.011	O	|	|	|	|	0.04
25.250	0.00	0.03	0.011	O	|	|	|	|	0.03
25.333	0.00	0.03	0.011	O	|	|	|	|	0.03
25.417	0.00	0.03	0.010	O	|	|	|	|	0.03
25.500	0.00	0.03	0.010	O	|	|	|	|	0.03
25.583	0.00	0.03	0.010	O	|	|	|	|	0.03
25.667	0.00	0.03	0.010	O	|	|	|	|	0.03
25.750	0.00	0.03	0.010	O	|	|	|	|	0.03
25.833	0.00	0.03	0.009	O	|	|	|	|	0.03
25.917	0.00	0.03	0.009	O	|	|	|	|	0.03
26.000	0.00	0.03	0.009	O	|	|	|	|	0.03
26.083	0.00	0.02	0.009	O	|	|	|	|	0.03
26.167	0.00	0.02	0.009	O	|	|	|	|	0.03
26.250	0.00	0.02	0.009	O	|	|	|	|	0.03
26.333	0.00	0.02	0.008	O	|	|	|	|	0.03
26.417	0.00	0.02	0.008	O	|	|	|	|	0.03
26.500	0.00	0.02	0.008	O	|	|	|	|	0.03
26.583	0.00	0.02	0.008	O	|	|	|	|	0.03
26.667	0.00	0.02	0.008	O	|	|	|	|	0.03
26.750	0.00	0.02	0.008	O	|	|	|	|	0.02
26.833	0.00	0.02	0.007	O	|	|	|	|	0.02
26.917	0.00	0.02	0.007	O	|	|	|	|	0.02
27.000	0.00	0.02	0.007	O	|	|	|	|	0.02
27.083	0.00	0.02	0.007	O	|	|	|	|	0.02
27.167	0.00	0.02	0.007	O	|	|	|	|	0.02
27.250	0.00	0.02	0.007	O	|	|	|	|	0.02
27.333	0.00	0.02	0.007	O	|	|	|	|	0.02
27.417	0.00	0.02	0.007	O	|	|	|	|	0.02
27.500	0.00	0.02	0.006	O	|	|	|	|	0.02
27.583	0.00	0.02	0.006	O	|	|	|	|	0.02
27.667	0.00	0.02	0.006	O	|	|	|	|	0.02
27.750	0.00	0.02	0.006	O	|	|	|	|	0.02
27.833	0.00	0.02	0.006	O	|	|	|	|	0.02
27.917	0.00	0.02	0.006	O	|	|	|	|	0.02
28.000	0.00	0.02	0.006	O	|	|	|	|	0.02
28.083	0.00	0.02	0.006	O	|	|	|	|	0.02
28.167	0.00	0.02	0.005	O	|	|	|	|	0.02
28.250	0.00	0.02	0.005	O	|	|	|	|	0.02
28.333	0.00	0.01	0.005	O	|	|	|	|	0.02

28.417	0.00	0.01	0.005	O	|	|	|	|	0.02
28.500	0.00	0.01	0.005	O	|	|	|	|	0.02
28.583	0.00	0.01	0.005	O	|	|	|	|	0.02
28.667	0.00	0.01	0.005	O	|	|	|	|	0.02
28.750	0.00	0.01	0.005	O	|	|	|	|	0.02
28.833	0.00	0.01	0.005	O	|	|	|	|	0.02
28.917	0.00	0.01	0.005	O	|	|	|	|	0.01
29.000	0.00	0.01	0.005	O	|	|	|	|	0.01
29.083	0.00	0.01	0.004	O	|	|	|	|	0.01
29.167	0.00	0.01	0.004	O	|	|	|	|	0.01
29.250	0.00	0.01	0.004	O	|	|	|	|	0.01
29.333	0.00	0.01	0.004	O	|	|	|	|	0.01
29.417	0.00	0.01	0.004	O	|	|	|	|	0.01
29.500	0.00	0.01	0.004	O	|	|	|	|	0.01
29.583	0.00	0.01	0.004	O	|	|	|	|	0.01
29.667	0.00	0.01	0.004	O	|	|	|	|	0.01
29.750	0.00	0.01	0.004	O	|	|	|	|	0.01
29.833	0.00	0.01	0.004	O	|	|	|	|	0.01
29.917	0.00	0.01	0.004	O	|	|	|	|	0.01
30.000	0.00	0.01	0.004	O	|	|	|	|	0.01
30.083	0.00	0.01	0.004	O	|	|	|	|	0.01
30.167	0.00	0.01	0.003	O	|	|	|	|	0.01
30.250	0.00	0.01	0.003	O	|	|	|	|	0.01
30.333	0.00	0.01	0.003	O	|	|	|	|	0.01
30.417	0.00	0.01	0.003	O	|	|	|	|	0.01
30.500	0.00	0.01	0.003	O	|	|	|	|	0.01
30.583	0.00	0.01	0.003	O	|	|	|	|	0.01
30.667	0.00	0.01	0.003	O	|	|	|	|	0.01
30.750	0.00	0.01	0.003	O	|	|	|	|	0.01
30.833	0.00	0.01	0.003	O	|	|	|	|	0.01
30.917	0.00	0.01	0.003	O	|	|	|	|	0.01
31.000	0.00	0.01	0.003	O	|	|	|	|	0.01
31.083	0.00	0.01	0.003	O	|	|	|	|	0.01
31.167	0.00	0.01	0.003	O	|	|	|	|	0.01
31.250	0.00	0.01	0.003	O	|	|	|	|	0.01
31.333	0.00	0.01	0.003	O	|	|	|	|	0.01
31.417	0.00	0.01	0.003	O	|	|	|	|	0.01
31.500	0.00	0.01	0.003	O	|	|	|	|	0.01
31.583	0.00	0.01	0.002	O	|	|	|	|	0.01
31.667	0.00	0.01	0.002	O	|	|	|	|	0.01
31.750	0.00	0.01	0.002	O	|	|	|	|	0.01
31.833	0.00	0.01	0.002	O	|	|	|	|	0.01
31.917	0.00	0.01	0.002	O	|	|	|	|	0.01
32.000	0.00	0.01	0.002	O	|	|	|	|	0.01
32.083	0.00	0.01	0.002	O	|	|	|	|	0.01
32.167	0.00	0.01	0.002	O	|	|	|	|	0.01
32.250	0.00	0.01	0.002	O	|	|	|	|	0.01
32.333	0.00	0.01	0.002	O	|	|	|	|	0.01
32.417	0.00	0.01	0.002	O	|	|	|	|	0.01
32.500	0.00	0.01	0.002	O	|	|	|	|	0.01
32.583	0.00	0.01	0.002	O	|	|	|	|	0.01
32.667	0.00	0.01	0.002	O	|	|	|	|	0.01
32.750	0.00	0.01	0.002	O	|	|	|	|	0.01
32.833	0.00	0.01	0.002	O	|	|	|	|	0.01
32.917	0.00	0.01	0.002	O	|	|	|	|	0.01
33.000	0.00	0.01	0.002	O	|	|	|	|	0.01
33.083	0.00	0.00	0.002	O	|	|	|	|	0.01
33.167	0.00	0.00	0.002	O	|	|	|	|	0.01
33.250	0.00	0.00	0.002	O	|	|	|	|	0.01
33.333	0.00	0.00	0.002	O	|	|	|	|	0.01
33.417	0.00	0.00	0.002	O	|	|	|	|	0.01
33.500	0.00	0.00	0.002	O	|	|	|	|	0.01
33.583	0.00	0.00	0.002	O	|	|	|	|	0.01
33.667	0.00	0.00	0.002	O	|	|	|	|	0.00
33.750	0.00	0.00	0.002	O	|	|	|	|	0.00
33.833	0.00	0.00	0.001	O	|	|	|	|	0.00
33.917	0.00	0.00	0.001	O	|	|	|	|	0.00

34.000	0.00	0.00	0.001	O	|	|	|	|	0.00
34.083	0.00	0.00	0.001	O	|	|	|	|	0.00
34.167	0.00	0.00	0.001	O	|	|	|	|	0.00
34.250	0.00	0.00	0.001	O	|	|	|	|	0.00
34.333	0.00	0.00	0.001	O	|	|	|	|	0.00
34.417	0.00	0.00	0.001	O	|	|	|	|	0.00
34.500	0.00	0.00	0.001	O	|	|	|	|	0.00
34.583	0.00	0.00	0.001	O	|	|	|	|	0.00
34.667	0.00	0.00	0.001	O	|	|	|	|	0.00
34.750	0.00	0.00	0.001	O	|	|	|	|	0.00
34.833	0.00	0.00	0.001	O	|	|	|	|	0.00
34.917	0.00	0.00	0.001	O	|	|	|	|	0.00
35.000	0.00	0.00	0.001	O	|	|	|	|	0.00
35.083	0.00	0.00	0.001	O	|	|	|	|	0.00
35.167	0.00	0.00	0.001	O	|	|	|	|	0.00
35.250	0.00	0.00	0.001	O	|	|	|	|	0.00
35.333	0.00	0.00	0.001	O	|	|	|	|	0.00
35.417	0.00	0.00	0.001	O	|	|	|	|	0.00
35.500	0.00	0.00	0.001	O	|	|	|	|	0.00
35.583	0.00	0.00	0.001	O	|	|	|	|	0.00
35.667	0.00	0.00	0.001	O	|	|	|	|	0.00
35.750	0.00	0.00	0.001	O	|	|	|	|	0.00
35.833	0.00	0.00	0.001	O	|	|	|	|	0.00
35.917	0.00	0.00	0.001	O	|	|	|	|	0.00
36.000	0.00	0.00	0.001	O	|	|	|	|	0.00
36.083	0.00	0.00	0.001	O	|	|	|	|	0.00
36.167	0.00	0.00	0.001	O	|	|	|	|	0.00
36.250	0.00	0.00	0.001	O	|	|	|	|	0.00
36.333	0.00	0.00	0.001	O	|	|	|	|	0.00
36.417	0.00	0.00	0.001	O	|	|	|	|	0.00
36.500	0.00	0.00	0.001	O	|	|	|	|	0.00
36.583	0.00	0.00	0.001	O	|	|	|	|	0.00
36.667	0.00	0.00	0.001	O	|	|	|	|	0.00
36.750	0.00	0.00	0.001	O	|	|	|	|	0.00
36.833	0.00	0.00	0.001	O	|	|	|	|	0.00
36.917	0.00	0.00	0.001	O	|	|	|	|	0.00
37.000	0.00	0.00	0.001	O	|	|	|	|	0.00
37.083	0.00	0.00	0.001	O	|	|	|	|	0.00
37.167	0.00	0.00	0.001	O	|	|	|	|	0.00
37.250	0.00	0.00	0.001	O	|	|	|	|	0.00
37.333	0.00	0.00	0.001	O	|	|	|	|	0.00
37.417	0.00	0.00	0.001	O	|	|	|	|	0.00
37.500	0.00	0.00	0.001	O	|	|	|	|	0.00
37.583	0.00	0.00	0.001	O	|	|	|	|	0.00
37.667	0.00	0.00	0.001	O	|	|	|	|	0.00
37.750	0.00	0.00	0.001	O	|	|	|	|	0.00
37.833	0.00	0.00	0.001	O	|	|	|	|	0.00
37.917	0.00	0.00	0.001	O	|	|	|	|	0.00
38.000	0.00	0.00	0.001	O	|	|	|	|	0.00
38.083	0.00	0.00	0.001	O	|	|	|	|	0.00
38.167	0.00	0.00	0.001	O	|	|	|	|	0.00
38.250	0.00	0.00	0.001	O	|	|	|	|	0.00
38.333	0.00	0.00	0.001	O	|	|	|	|	0.00
38.417	0.00	0.00	0.001	O	|	|	|	|	0.00
38.500	0.00	0.00	0.000	O	|	|	|	|	0.00
38.583	0.00	0.00	0.000	O	|	|	|	|	0.00
38.667	0.00	0.00	0.000	O	|	|	|	|	0.00
38.750	0.00	0.00	0.000	O	|	|	|	|	0.00
38.833	0.00	0.00	0.000	O	|	|	|	|	0.00
38.917	0.00	0.00	0.000	O	|	|	|	|	0.00
39.000	0.00	0.00	0.000	O	|	|	|	|	0.00
39.083	0.00	0.00	0.000	O	|	|	|	|	0.00
39.167	0.00	0.00	0.000	O	|	|	|	|	0.00
39.250	0.00	0.00	0.000	O	|	|	|	|	0.00
39.333	0.00	0.00	0.000	O	|	|	|	|	0.00
39.417	0.00	0.00	0.000	O	|	|	|	|	0.00
39.500	0.00	0.00	0.000	O	|	|	|	|	0.00

```
39.583    0.00    0.00      0.000  O       |       |       |       |     0.00
39.667    0.00    0.00      0.000  O       |       |       |       |     0.00
39.750    0.00    0.00      0.000  O       |       |       |       |     0.00
39.833    0.00    0.00      0.000  O       |       |       |       |     0.00
39.917    0.00    0.00      0.000  O       |       |       |       |     0.00
40.000    0.00    0.00      0.000  O       |       |       |       |     0.00

      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =   480
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =       70.386 (CFS)
                  Total volume =       5.226 (Ac.Ft)
            Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ***********************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/27/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRA24100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 30.940 (CFS)
Total volume = 10.088 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN A- ROUTING
100YR-24HR STORM

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.870	0.307	0.313
2.000	0.660	1.860	0.654	0.666
2.650	0.920	2.240	0.912	0.928
3.000	1.070	36.900	0.943	1.197
3.500	1.300	133.130	0.842	1.758
4.000	1.900	264.030	0.991	2.809

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 7.7 15.47 23.20 30.94	Depth (Ft.)
0.083	0.32	0.00	0.001	O | | | |	0.00
0.167	0.53	0.01	0.004	O | | | |	0.01
0.250	0.56	0.02	0.008	O | | | |	0.02
0.333	0.72	0.03	0.012	O | | | |	0.04
0.417	0.83	0.05	0.017	O | | | |	0.05

0.500	0.84	0.06	0.022	O				0.07
0.583	0.84	0.08	0.028	O				0.09
0.667	0.84	0.09	0.033	O				0.11
0.750	0.84	0.11	0.038	O				0.12
0.833	1.01	0.12	0.044	OI				0.14
0.917	1.11	0.14	0.050	OI				0.16
1.000	1.13	0.16	0.057	OI				0.18
1.083	0.97	0.18	0.063	O				0.20
1.167	0.86	0.19	0.068	O				0.22
1.250	0.84	0.20	0.072	O				0.23
1.333	0.84	0.21	0.077	O				0.25
1.417	0.84	0.23	0.081	O				0.26
1.500	0.84	0.24	0.085	O				0.27
1.583	0.84	0.25	0.089	O				0.29
1.667	0.84	0.26	0.093	O				0.30
1.750	0.84	0.27	0.097	O				0.31
1.833	1.01	0.29	0.102	OI				0.33
1.917	1.11	0.30	0.107	OI				0.35
2.000	1.13	0.32	0.113	OI				0.36
2.083	1.13	0.33	0.118	OI				0.38
2.167	1.13	0.35	0.123	OI				0.40
2.250	1.13	0.36	0.129	OI				0.42
2.333	1.13	0.38	0.134	OI				0.43
2.417	1.13	0.39	0.139	OI				0.45
2.500	1.13	0.40	0.144	OI				0.47
2.583	1.29	0.42	0.150	OI				0.48
2.667	1.39	0.44	0.156	OI				0.50
2.750	1.41	0.46	0.162	OI				0.52
2.833	1.41	0.47	0.169	OI				0.54
2.917	1.41	0.49	0.175	OI				0.57
3.000	1.41	0.51	0.182	OI				0.59
3.083	1.41	0.53	0.188	OI				0.61
3.167	1.41	0.54	0.194	OI				0.62
3.250	1.41	0.56	0.200	OI				0.64
3.333	1.41	0.58	0.205	OI				0.66
3.417	1.41	0.59	0.211	OI				0.68
3.500	1.41	0.61	0.217	OI				0.70
3.583	1.41	0.62	0.222	OI				0.72
3.667	1.41	0.64	0.227	OI				0.73
3.750	1.41	0.65	0.233	OI				0.75
3.833	1.57	0.67	0.238	OI				0.77
3.917	1.67	0.69	0.245	OI				0.79
4.000	1.69	0.71	0.252	OI				0.81
4.083	1.69	0.72	0.258	OI				0.83
4.167	1.69	0.74	0.265	OI				0.85
4.250	1.69	0.76	0.271	OI				0.88
4.333	1.85	0.78	0.278	OI				0.90
4.417	1.95	0.80	0.286	O I				0.92
4.500	1.97	0.82	0.294	O I				0.95
4.583	1.97	0.85	0.302	O I				0.97
4.667	1.97	0.87	0.309	O I				1.00
4.750	1.97	0.89	0.317	O I				1.02
4.833	2.13	0.91	0.325	O I				1.04
4.917	2.23	0.94	0.333	O I				1.07
5.000	2.25	0.96	0.342	O I				1.09
5.083	1.93	0.98	0.350	|O				1.11
5.167	1.72	1.00	0.356	|O				1.13
5.250	1.69	1.01	0.361	|O				1.14
5.333	1.85	1.03	0.366	|O				1.16
5.417	1.95	1.04	0.372	|OI				1.18
5.500	1.97	1.06	0.378	|OI				1.19
5.583	2.13	1.08	0.385	|OI				1.21
5.667	2.23	1.10	0.392	|OI				1.23
5.750	2.25	1.12	0.400	|OI				1.26
5.833	2.25	1.15	0.408	|OI				1.28
5.917	2.25	1.17	0.415	|OI				1.30
6.000	2.25	1.19	0.423	|OI				1.32

6.083	2.41	1.21	0.430	|OI	|	|	|	1.34
6.167	2.52	1.23	0.439	|OI	|	|	|	1.37
6.250	2.53	1.26	0.448	|OI	|	|	|	1.39
6.333	2.53	1.28	0.456	|OI	|	|	|	1.42
6.417	2.53	1.31	0.465	|OI	|	|	|	1.44
6.500	2.53	1.33	0.473	|OI	|	|	|	1.47
6.583	2.69	1.36	0.482	|OI	|	|	|	1.49
6.667	2.80	1.38	0.492	|OI	|	|	|	1.52
6.750	2.81	1.41	0.501	|OI	|	|	|	1.55
6.833	2.81	1.44	0.511	|OI	|	|	|	1.57
6.917	2.81	1.46	0.520	|OI	|	|	|	1.60
7.000	2.81	1.49	0.529	|OI	|	|	|	1.63
7.083	2.81	1.52	0.538	|OI	|	|	|	1.65
7.167	2.81	1.54	0.547	|OI	|	|	|	1.68
7.250	2.81	1.57	0.556	|OI	|	|	|	1.70
7.333	2.98	1.59	0.565	|O I	|	|	|	1.73
7.417	3.08	1.62	0.575	|O I	|	|	|	1.76
7.500	3.10	1.65	0.585	|O I	|	|	|	1.79
7.583	3.26	1.68	0.595	|O I	|	|	|	1.82
7.667	3.36	1.71	0.606	|O I	|	|	|	1.85
7.750	3.38	1.74	0.618	|O I	|	|	|	1.88
7.833	3.54	1.77	0.629	|O I	|	|	|	1.91
7.917	3.64	1.81	0.642	|O I	|	|	|	1.95
8.000	3.66	1.84	0.654	|O I	|	|	|	1.98
8.083	3.98	1.87	0.668	|O I	|	|	|	2.02
8.167	4.19	1.89	0.683	|O I	|	|	|	2.06
8.250	4.22	1.92	0.699	|O I	|	|	|	2.10
8.333	4.22	1.94	0.715	| O I	|	|	|	2.14
8.417	4.22	1.96	0.730	| O I	|	|	|	2.18
8.500	4.22	1.99	0.746	| O I	|	|	|	2.21
8.583	4.38	2.01	0.762	| O I	|	|	|	2.25
8.667	4.49	2.03	0.778	| O I	|	|	|	2.30
8.750	4.50	2.06	0.795	| O I	|	|	|	2.34
8.833	4.66	2.08	0.813	| O I	|	|	|	2.38
8.917	4.77	2.11	0.831	| O I	|	|	|	2.43
9.000	4.78	2.14	0.849	| O I	|	|	|	2.47
9.083	5.11	2.16	0.868	| O I	|	|	|	2.52
9.167	5.31	2.19	0.889	| O I	|	|	|	2.57
9.250	5.35	2.23	0.910	| O I	|	|	|	2.63
9.333	5.51	3.84	0.927	| O I	|	|	|	2.67
9.417	5.61	5.37	0.934	| O	|	|	|	2.68
9.500	5.65	5.60	0.935	| O	|	|	|	2.68
9.583	6.56	6.05	0.936	| O	|	|	|	2.69
9.667	7.20	6.79	0.940	| O|	|	|	|	2.70
9.750	7.40	7.25	0.942	| O|	|	|	|	2.70
9.833	8.34	7.80	0.944	| O	|	|	|	2.71
9.917	8.99	8.57	0.947	| OI	|	|	|	2.71
10.000	9.19	9.03	0.949	| |O	|	|	|	2.72
10.083	6.37	7.92	0.945	| I O	|	|	|	2.71
10.167	4.52	5.73	0.935	| IO	|	|	|	2.69
10.250	4.22	4.53	0.930	| O	|	|	|	2.67
10.333	4.22	4.26	0.929	| O	|	|	|	2.67
10.417	4.22	4.23	0.929	| O	|	|	|	2.67
10.500	4.22	4.22	0.929	| O	|	|	|	2.67
10.583	5.87	4.95	0.932	| OI	|	|	|	2.68
10.667	6.99	6.26	0.937	| OI|	|	|	|	2.69
10.750	7.26	7.03	0.941	| O|	|	|	|	2.70
10.833	7.37	7.28	0.942	| O|	|	|	|	2.70
10.917	7.47	7.40	0.942	| O|	|	|	|	2.70
11.000	7.58	7.51	0.943	| O|	|	|	|	2.70
11.083	6.85	7.25	0.942	| O|	|	|	|	2.70
11.167	6.42	6.71	0.939	| O	|	|	|	2.70
11.250	6.44	6.46	0.938	| O	|	|	|	2.69
11.333	6.55	6.49	0.938	| O	|	|	|	2.69
11.417	6.65	6.59	0.939	| O	|	|	|	2.69
11.500	6.75	6.69	0.939	| O	|	|	|	2.69
11.583	5.64	6.26	0.937	| IO	|	|	|	2.69

11.667	4.91	5.39	0.934	O					2.68
11.750	4.78	4.91	0.932	IO					2.68
11.833	5.34	5.05	0.932	O					2.68
11.917	5.76	5.50	0.934	O					2.68
12.000	5.92	5.80	0.935	OI					2.69
12.083	11.83	8.52	0.947	O I					2.71
12.167	15.69	13.16	0.967	O I					2.76
12.250	16.40	15.71	0.978	O					2.79
12.333	17.33	16.73	0.983	O					2.80
12.417	17.96	17.54	0.986	O					2.80
12.500	18.15	18.00	0.988	O					2.81
12.583	19.91	18.91	0.992	OI					2.82
12.667	21.08	20.31	0.998	O					2.83
12.750	21.35	21.11	1.002	OI					2.84
12.833	22.28	21.74	1.004	OI					2.85
12.917	22.91	22.50	1.008	O					2.85
13.000	23.10	22.95	1.010	O					2.86
13.083	27.35	24.96	1.018	O I					2.88
13.167	30.12	28.31	1.033	O I					2.91
13.250	30.66	30.15	1.041	O					2.93
13.333	30.75	30.64	1.043	O					2.94
13.417	30.85	30.78	1.044	O					2.94
13.500	**30.94**	**30.88**	**1.044**	**OI**					**2.94**
13.583	21.90	26.93	1.027	I O					2.90
13.667	16.09	19.90	0.996	I O					2.83
13.750	15.23	16.14	0.980	IO					2.79
13.833	15.32	15.37	0.977	O					2.78
13.917	15.41	15.37	0.977	O					2.78
14.000	15.51	15.45	0.977	OI					2.78
14.083	18.92	17.01	0.984	O I					2.80
14.167	21.16	19.69	0.996	OI					2.83
14.250	21.59	21.18	1.002	OI					2.84
14.333	20.85	21.22	1.002	O					2.84
14.417	20.41	20.70	1.000	O					2.84
14.500	20.41	20.44	0.999	O					2.83
14.583	20.50	20.45	0.999	O					2.83
14.667	20.59	20.53	0.999	O					2.83
14.750	20.68	20.62	1.000	O					2.84
14.833	19.93	20.34	0.998	IO					2.83
14.917	19.48	19.78	0.996	O					2.83
15.000	19.48	19.52	0.995	O					2.82
15.083	18.74	19.16	0.993	O					2.82
15.167	18.29	18.59	0.991	IO					2.82
15.250	18.29	18.32	0.990	O					2.81
15.333	17.54	17.96	0.988	O					2.81
15.417	17.09	17.39	0.986	O					2.80
15.500	17.09	17.12	0.984	O					2.80
15.583	13.85	15.66	0.978	I O					2.79
15.667	11.79	13.14	0.967	IO					2.76
15.750	11.52	11.82	0.961	IO					2.75
15.833	11.61	11.59	0.960	OI					2.74
15.917	11.69	11.64	0.961	O					2.74
16.000	11.77	11.72	0.961	O					2.75
16.083	5.70	9.07	0.950	I	O				2.72
16.167	1.77	4.34	0.929	I O					2.67
16.250	1.13	2.23	0.916	IO					2.64
16.333	1.13	2.22	0.909	IO					2.62
16.417	1.13	2.21	0.901	IO					2.60
16.500	1.13	2.20	0.894	IO					2.58
16.583	0.97	2.19	0.886	I O					2.56
16.667	0.86	2.18	0.877	I O					2.54
16.750	0.84	2.16	0.868	I O					2.52
16.833	0.84	2.15	0.859	I O					2.50
16.917	0.84	2.14	0.850	I O					2.48
17.000	0.84	2.12	0.841	I O					2.45
17.083	1.17	2.11	0.834	IO					2.43
17.167	1.37	2.11	0.828	IO					2.42

17.250	1.41	2.10	0.823	|IO	|	|	|	2.41
17.333	1.41	2.09	0.818	|IO	|	|	|	2.40
17.417	1.41	2.08	0.813	|IO	|	|	|	2.38
17.500	1.41	2.08	0.809	|IO	|	|	|	2.37
17.583	1.41	2.07	0.804	|IO	|	|	|	2.36
17.667	1.41	2.06	0.800	|IO	|	|	|	2.35
17.750	1.41	2.06	0.795	|IO	|	|	|	2.34
17.833	1.25	2.05	0.790	|IO	|	|	|	2.33
17.917	1.14	2.04	0.784	|IO	|	|	|	2.31
18.000	1.13	2.03	0.778	|IO	|	|	|	2.30
18.083	1.13	2.02	0.772	|IO	|	|	|	2.28
18.167	1.13	2.01	0.766	|IO	|	|	|	2.26
18.250	1.13	2.01	0.760	|IO	|	|	|	2.25
18.333	1.13	2.00	0.754	|IO	|	|	|	2.23
18.417	1.13	1.99	0.748	|IO	|	|	|	2.22
18.500	1.13	1.98	0.742	|IO	|	|	|	2.20
18.583	0.97	1.97	0.735	I O	|	|	|	2.19
18.667	0.86	1.96	0.728	I O	|	|	|	2.17
18.750	0.84	1.95	0.721	I O	|	|	|	2.15
18.833	0.68	1.94	0.712	I O	|	|	|	2.13
18.917	0.58	1.92	0.703	IO	|	|	|	2.11
19.000	0.56	1.91	0.694	IO	|	|	|	2.09
19.083	0.72	1.90	0.686	IO	|	|	|	2.06
19.167	0.83	1.89	0.678	IO	|	|	|	2.04
19.250	0.84	1.88	0.671	IO	|	|	|	2.03
19.333	1.01	1.87	0.664	|O	|	|	|	2.01
19.417	1.11	1.86	0.659	|O	|	|	|	2.00
19.500	1.13	1.84	0.654	|O	|	|	|	1.98
19.583	0.97	1.83	0.648	IO	|	|	|	1.97
19.667	0.86	1.81	0.642	IO	|	|	|	1.95
19.750	0.84	1.79	0.635	IO	|	|	|	1.93
19.833	0.68	1.77	0.628	IO	|	|	|	1.91
19.917	0.58	1.75	0.621	IO	|	|	|	1.89
20.000	0.56	1.73	0.613	IO	|	|	|	1.86
20.083	0.72	1.70	0.605	IO	|	|	|	1.84
20.167	0.83	1.69	0.599	IO	|	|	|	1.83
20.250	0.84	1.67	0.593	IO	|	|	|	1.81
20.333	0.84	1.65	0.587	IO	|	|	|	1.79
20.417	0.84	1.64	0.582	IO	|	|	|	1.78
20.500	0.84	1.62	0.576	IO	|	|	|	1.76
20.583	0.84	1.61	0.571	IO	|	|	|	1.75
20.667	0.84	1.59	0.566	IO	|	|	|	1.73
20.750	0.84	1.58	0.561	IO	|	|	|	1.72
20.833	0.68	1.56	0.555	IO	|	|	|	1.70
20.917	0.58	1.55	0.549	IO	|	|	|	1.68
21.000	0.56	1.53	0.542	IO	|	|	|	1.66
21.083	0.72	1.51	0.536	IO	|	|	|	1.65
21.167	0.83	1.50	0.531	IO	|	|	|	1.63
21.250	0.84	1.48	0.527	IO	|	|	|	1.62
21.333	0.68	1.47	0.522	IO	|	|	|	1.61
21.417	0.58	1.45	0.516	IO	|	|	|	1.59
21.500	0.56	1.44	0.510	IO	|	|	|	1.57
21.583	0.72	1.42	0.505	IO	|	|	|	1.56
21.667	0.83	1.41	0.500	IO	|	|	|	1.54
21.750	0.84	1.40	0.496	IO	|	|	|	1.53
21.833	0.68	1.38	0.492	IO	|	|	|	1.52
21.917	0.58	1.37	0.487	IO	|	|	|	1.51
22.000	0.56	1.36	0.481	IO	|	|	|	1.49
22.083	0.72	1.34	0.477	IO	|	|	|	1.48
22.167	0.83	1.33	0.473	IO	|	|	|	1.47
22.250	0.84	1.32	0.469	IO	|	|	|	1.46
22.333	0.68	1.31	0.466	IO	|	|	|	1.44
22.417	0.58	1.30	0.461	IO	|	|	|	1.43
22.500	0.56	1.28	0.456	IO	|	|	|	1.42
22.583	0.56	1.27	0.451	IO	|	|	|	1.40
22.667	0.56	1.26	0.446	IO	|	|	|	1.39
22.750	0.56	1.24	0.442	IO	|	|	|	1.38

22.833	0.56	1.23	0.437	IO	|	|	|	|	1.36
22.917	0.56	1.22	0.432	IO	|	|	|	|	1.35
23.000	0.56	1.20	0.428	IO	|	|	|	|	1.34
23.083	0.56	1.19	0.424	IO	|	|	|	|	1.32
23.167	0.56	1.18	0.419	IO	|	|	|	|	1.31
23.250	0.56	1.17	0.415	IO	|	|	|	|	1.30
23.333	0.56	1.16	0.411	IO	|	|	|	|	1.29
23.417	0.56	1.14	0.407	IO	|	|	|	|	1.28
23.500	0.56	1.13	0.403	IO	|	|	|	|	1.27
23.583	0.56	1.12	0.399	IO	|	|	|	|	1.25
23.667	0.56	1.11	0.395	IO	|	|	|	|	1.24
23.750	0.56	1.10	0.392	IO	|	|	|	|	1.23
23.833	0.56	1.09	0.388	IO	|	|	|	|	1.22
23.917	0.56	1.08	0.384	IO	|	|	|	|	1.21
24.000	0.56	1.07	0.381	IO	|	|	|	|	1.20
24.083	0.24	1.06	0.376	IO	|	|	|	|	1.19
24.167	0.03	1.04	0.370	IO	|	|	|	|	1.17
24.250	0.00	1.02	0.363	IO	|	|	|	|	1.15
24.333	0.00	1.00	0.356	IO	|	|	|	|	1.13
24.417	0.00	0.98	0.349	IO	|	|	|	|	1.11
24.500	0.00	0.96	0.342	O	|	|	|	|	1.09
24.583	0.00	0.94	0.336	O	|	|	|	|	1.07
24.667	0.00	0.93	0.329	O	|	|	|	|	1.06
24.750	0.00	0.91	0.323	O	|	|	|	|	1.04
24.833	0.00	0.89	0.317	O	|	|	|	|	1.02
24.917	0.00	0.87	0.311	O	|	|	|	|	1.00
25.000	0.00	0.86	0.305	O	|	|	|	|	0.98
25.083	0.00	0.84	0.299	O	|	|	|	|	0.96
25.167	0.00	0.82	0.293	O	|	|	|	|	0.95
25.250	0.00	0.81	0.288	O	|	|	|	|	0.93
25.333	0.00	0.79	0.282	O	|	|	|	|	0.91
25.417	0.00	0.78	0.277	O	|	|	|	|	0.89
25.500	0.00	0.76	0.272	O	|	|	|	|	0.88
25.583	0.00	0.75	0.266	O	|	|	|	|	0.86
25.667	0.00	0.73	0.261	O	|	|	|	|	0.84
25.750	0.00	0.72	0.256	O	|	|	|	|	0.83
25.833	0.00	0.71	0.251	O	|	|	|	|	0.81
25.917	0.00	0.69	0.247	O	|	|	|	|	0.80
26.000	0.00	0.68	0.242	O	|	|	|	|	0.78
26.083	0.00	0.67	0.237	O	|	|	|	|	0.77
26.167	0.00	0.65	0.233	O	|	|	|	|	0.75
26.250	0.00	0.64	0.228	O	|	|	|	|	0.74
26.333	0.00	0.63	0.224	O	|	|	|	|	0.72
26.417	0.00	0.62	0.220	O	|	|	|	|	0.71
26.500	0.00	0.60	0.215	O	|	|	|	|	0.69
26.583	0.00	0.59	0.211	O	|	|	|	|	0.68
26.667	0.00	0.58	0.207	O	|	|	|	|	0.67
26.750	0.00	0.57	0.203	O	|	|	|	|	0.66
26.833	0.00	0.56	0.199	O	|	|	|	|	0.64
26.917	0.00	0.55	0.195	O	|	|	|	|	0.63
27.000	0.00	0.54	0.192	O	|	|	|	|	0.62
27.083	0.00	0.53	0.188	O	|	|	|	|	0.61
27.167	0.00	0.52	0.184	O	|	|	|	|	0.60
27.250	0.00	0.51	0.181	O	|	|	|	|	0.58
27.333	0.00	0.50	0.177	O	|	|	|	|	0.57
27.417	0.00	0.49	0.174	O	|	|	|	|	0.56
27.500	0.00	0.48	0.171	O	|	|	|	|	0.55
27.583	0.00	0.47	0.167	O	|	|	|	|	0.54
27.667	0.00	0.46	0.164	O	|	|	|	|	0.53
27.750	0.00	0.45	0.161	O	|	|	|	|	0.52
27.833	0.00	0.44	0.158	O	|	|	|	|	0.51
27.917	0.00	0.44	0.155	O	|	|	|	|	0.50
28.000	0.00	0.43	0.152	O	|	|	|	|	0.49
28.083	0.00	0.42	0.149	O	|	|	|	|	0.48
28.167	0.00	0.41	0.146	O	|	|	|	|	0.47
28.250	0.00	0.40	0.143	O	|	|	|	|	0.46
28.333	0.00	0.39	0.141	O	|	|	|	|	0.45

28.417	0.00	0.39	0.138	O	|	|	|	|	0.45
28.500	0.00	0.38	0.135	O	|	|	|	|	0.44
28.583	0.00	0.37	0.133	O	|	|	|	|	0.43
28.667	0.00	0.37	0.130	O	|	|	|	|	0.42
28.750	0.00	0.36	0.128	O	|	|	|	|	0.41
28.833	0.00	0.35	0.125	O	|	|	|	|	0.40
28.917	0.00	0.35	0.123	O	|	|	|	|	0.40
29.000	0.00	0.34	0.121	O	|	|	|	|	0.39
29.083	0.00	0.33	0.118	O	|	|	|	|	0.38
29.167	0.00	0.33	0.116	O	|	|	|	|	0.37
29.250	0.00	0.32	0.114	O	|	|	|	|	0.37
29.333	0.00	0.31	0.112	O	|	|	|	|	0.36
29.417	0.00	0.31	0.109	O	|	|	|	|	0.35
29.500	0.00	0.30	0.107	O	|	|	|	|	0.35
29.583	0.00	0.30	0.105	O	|	|	|	|	0.34
29.667	0.00	0.29	0.103	O	|	|	|	|	0.33
29.750	0.00	0.28	0.101	O	|	|	|	|	0.33
29.833	0.00	0.28	0.099	O	|	|	|	|	0.32
29.917	0.00	0.27	0.097	O	|	|	|	|	0.31
30.000	0.00	0.27	0.096	O	|	|	|	|	0.31
30.083	0.00	0.26	0.094	O	|	|	|	|	0.30
30.167	0.00	0.26	0.092	O	|	|	|	|	0.30
30.250	0.00	0.25	0.090	O	|	|	|	|	0.29
30.333	0.00	0.25	0.089	O	|	|	|	|	0.29
30.417	0.00	0.24	0.087	O	|	|	|	|	0.28
30.500	0.00	0.24	0.085	O	|	|	|	|	0.27
30.583	0.00	0.23	0.084	O	|	|	|	|	0.27
30.667	0.00	0.23	0.082	O	|	|	|	|	0.26
30.750	0.00	0.23	0.080	O	|	|	|	|	0.26
30.833	0.00	0.22	0.079	O	|	|	|	|	0.25
30.917	0.00	0.22	0.077	O	|	|	|	|	0.25
31.000	0.00	0.21	0.076	O	|	|	|	|	0.24
31.083	0.00	0.21	0.074	O	|	|	|	|	0.24
31.167	0.00	0.20	0.073	O	|	|	|	|	0.24
31.250	0.00	0.20	0.072	O	|	|	|	|	0.23
31.333	0.00	0.20	0.070	O	|	|	|	|	0.23
31.417	0.00	0.19	0.069	O	|	|	|	|	0.22
31.500	0.00	0.19	0.068	O	|	|	|	|	0.22
31.583	0.00	0.19	0.066	O	|	|	|	|	0.21
31.667	0.00	0.18	0.065	O	|	|	|	|	0.21
31.750	0.00	0.18	0.064	O	|	|	|	|	0.21
31.833	0.00	0.18	0.062	O	|	|	|	|	0.20
31.917	0.00	0.17	0.061	O	|	|	|	|	0.20
32.000	0.00	0.17	0.060	O	|	|	|	|	0.19
32.083	0.00	0.17	0.059	O	|	|	|	|	0.19
32.167	0.00	0.16	0.058	O	|	|	|	|	0.19
32.250	0.00	0.16	0.057	O	|	|	|	|	0.18
32.333	0.00	0.16	0.056	O	|	|	|	|	0.18
32.417	0.00	0.15	0.055	O	|	|	|	|	0.18
32.500	0.00	0.15	0.054	O	|	|	|	|	0.17
32.583	0.00	0.15	0.053	O	|	|	|	|	0.17
32.667	0.00	0.14	0.052	O	|	|	|	|	0.17
32.750	0.00	0.14	0.051	O	|	|	|	|	0.16
32.833	0.00	0.14	0.050	O	|	|	|	|	0.16
32.917	0.00	0.14	0.049	O	|	|	|	|	0.16
33.000	0.00	0.13	0.048	O	|	|	|	|	0.15
33.083	0.00	0.13	0.047	O	|	|	|	|	0.15
33.167	0.00	0.13	0.046	O	|	|	|	|	0.15
33.250	0.00	0.13	0.045	O	|	|	|	|	0.15
33.333	0.00	0.12	0.044	O	|	|	|	|	0.14
33.417	0.00	0.12	0.043	O	|	|	|	|	0.14
33.500	0.00	0.12	0.042	O	|	|	|	|	0.14
33.583	0.00	0.12	0.042	O	|	|	|	|	0.13
33.667	0.00	0.11	0.041	O	|	|	|	|	0.13
33.750	0.00	0.11	0.040	O	|	|	|	|	0.13
33.833	0.00	0.11	0.039	O	|	|	|	|	0.13
33.917	0.00	0.11	0.039	O	|	|	|	|	0.12

34.000	0.00	0.11	0.038	O	|	|	|	|	0.12
34.083	0.00	0.10	0.037	O	|	|	|	|	0.12
34.167	0.00	0.10	0.036	O	|	|	|	|	0.12
34.250	0.00	0.10	0.036	O	|	|	|	|	0.12
34.333	0.00	0.10	0.035	O	|	|	|	|	0.11
34.417	0.00	0.10	0.034	O	|	|	|	|	0.11
34.500	0.00	0.09	0.034	O	|	|	|	|	0.11
34.583	0.00	0.09	0.033	O	|	|	|	|	0.11
34.667	0.00	0.09	0.032	O	|	|	|	|	0.10
34.750	0.00	0.09	0.032	O	|	|	|	|	0.10
34.833	0.00	0.09	0.031	O	|	|	|	|	0.10
34.917	0.00	0.09	0.031	O	|	|	|	|	0.10
35.000	0.00	0.08	0.030	O	|	|	|	|	0.10
35.083	0.00	0.08	0.029	O	|	|	|	|	0.09
35.167	0.00	0.08	0.029	O	|	|	|	|	0.09
35.250	0.00	0.08	0.028	O	|	|	|	|	0.09
35.333	0.00	0.08	0.028	O	|	|	|	|	0.09
35.417	0.00	0.08	0.027	O	|	|	|	|	0.09
35.500	0.00	0.07	0.027	O	|	|	|	|	0.09
35.583	0.00	0.07	0.026	O	|	|	|	|	0.08
35.667	0.00	0.07	0.026	O	|	|	|	|	0.08
35.750	0.00	0.07	0.025	O	|	|	|	|	0.08
35.833	0.00	0.07	0.025	O	|	|	|	|	0.08
35.917	0.00	0.07	0.024	O	|	|	|	|	0.08
36.000	0.00	0.07	0.024	O	|	|	|	|	0.08
36.083	0.00	0.07	0.023	O	|	|	|	|	0.08
36.167	0.00	0.06	0.023	O	|	|	|	|	0.07
36.250	0.00	0.06	0.022	O	|	|	|	|	0.07
36.333	0.00	0.06	0.022	O	|	|	|	|	0.07
36.417	0.00	0.06	0.022	O	|	|	|	|	0.07
36.500	0.00	0.06	0.021	O	|	|	|	|	0.07
36.583	0.00	0.06	0.021	O	|	|	|	|	0.07
36.667	0.00	0.06	0.020	O	|	|	|	|	0.07
36.750	0.00	0.06	0.020	O	|	|	|	|	0.06
36.833	0.00	0.06	0.020	O	|	|	|	|	0.06
36.917	0.00	0.05	0.019	O	|	|	|	|	0.06
37.000	0.00	0.05	0.019	O	|	|	|	|	0.06
37.083	0.00	0.05	0.018	O	|	|	|	|	0.06
37.167	0.00	0.05	0.018	O	|	|	|	|	0.06
37.250	0.00	0.05	0.018	O	|	|	|	|	0.06
37.333	0.00	0.05	0.017	O	|	|	|	|	0.06
37.417	0.00	0.05	0.017	O	|	|	|	|	0.06
37.500	0.00	0.05	0.017	O	|	|	|	|	0.05
37.583	0.00	0.05	0.016	O	|	|	|	|	0.05
37.667	0.00	0.05	0.016	O	|	|	|	|	0.05
37.750	0.00	0.04	0.016	O	|	|	|	|	0.05
37.833	0.00	0.04	0.016	O	|	|	|	|	0.05
37.917	0.00	0.04	0.015	O	|	|	|	|	0.05
38.000	0.00	0.04	0.015	O	|	|	|	|	0.05
38.083	0.00	0.04	0.015	O	|	|	|	|	0.05
38.167	0.00	0.04	0.014	O	|	|	|	|	0.05
38.250	0.00	0.04	0.014	O	|	|	|	|	0.05
38.333	0.00	0.04	0.014	O	|	|	|	|	0.04
38.417	0.00	0.04	0.014	O	|	|	|	|	0.04
38.500	0.00	0.04	0.013	O	|	|	|	|	0.04
38.583	0.00	0.04	0.013	O	|	|	|	|	0.04
38.667	0.00	0.04	0.013	O	|	|	|	|	0.04
38.750	0.00	0.04	0.013	O	|	|	|	|	0.04
38.833	0.00	0.03	0.012	O	|	|	|	|	0.04
38.917	0.00	0.03	0.012	O	|	|	|	|	0.04
39.000	0.00	0.03	0.012	O	|	|	|	|	0.04
39.083	0.00	0.03	0.012	O	|	|	|	|	0.04
39.167	0.00	0.03	0.011	O	|	|	|	|	0.04
39.250	0.00	0.03	0.011	O	|	|	|	|	0.04
39.333	0.00	0.03	0.011	O	|	|	|	|	0.04
39.417	0.00	0.03	0.011	O	|	|	|	|	0.03
39.500	0.00	0.03	0.011	O	|	|	|	|	0.03

39.583	0.00	0.03	0.010	O	|	|	|	|	0.03
39.667	0.00	0.03	0.010	O	|	|	|	|	0.03
39.750	0.00	0.03	0.010	O	|	|	|	|	0.03
39.833	0.00	0.03	0.010	O	|	|	|	|	0.03
39.917	0.00	0.03	0.010	O	|	|	|	|	0.03
40.000	0.00	0.03	0.009	O	|	|	|	|	0.03
40.083	0.00	0.03	0.009	O	|	|	|	|	0.03
40.167	0.00	0.03	0.009	O	|	|	|	|	0.03
40.250	0.00	0.02	0.009	O	|	|	|	|	0.03
40.333	0.00	0.02	0.009	O	|	|	|	|	0.03
40.417	0.00	0.02	0.009	O	|	|	|	|	0.03
40.500	0.00	0.02	0.008	O	|	|	|	|	0.03
40.583	0.00	0.02	0.008	O	|	|	|	|	0.03
40.667	0.00	0.02	0.008	O	|	|	|	|	0.03
40.750	0.00	0.02	0.008	O	|	|	|	|	0.03
40.833	0.00	0.02	0.008	O	|	|	|	|	0.02
40.917	0.00	0.02	0.008	O	|	|	|	|	0.02
41.000	0.00	0.02	0.007	O	|	|	|	|	0.02
41.083	0.00	0.02	0.007	O	|	|	|	|	0.02
41.167	0.00	0.02	0.007	O	|	|	|	|	0.02
41.250	0.00	0.02	0.007	O	|	|	|	|	0.02
41.333	0.00	0.02	0.007	O	|	|	|	|	0.02
41.417	0.00	0.02	0.007	O	|	|	|	|	0.02
41.500	0.00	0.02	0.007	O	|	|	|	|	0.02
41.583	0.00	0.02	0.007	O	|	|	|	|	0.02
41.667	0.00	0.02	0.006	O	|	|	|	|	0.02
41.750	0.00	0.02	0.006	O	|	|	|	|	0.02
41.833	0.00	0.02	0.006	O	|	|	|	|	0.02
41.917	0.00	0.02	0.006	O	|	|	|	|	0.02
42.000	0.00	0.02	0.006	O	|	|	|	|	0.02
42.083	0.00	0.02	0.006	O	|	|	|	|	0.02
42.167	0.00	0.02	0.006	O	|	|	|	|	0.02
42.250	0.00	0.02	0.006	O	|	|	|	|	0.02
42.333	0.00	0.02	0.005	O	|	|	|	|	0.02
42.417	0.00	0.02	0.005	O	|	|	|	|	0.02
42.500	0.00	0.01	0.005	O	|	|	|	|	0.02
42.583	0.00	0.01	0.005	O	|	|	|	|	0.02
42.667	0.00	0.01	0.005	O	|	|	|	|	0.02
42.750	0.00	0.01	0.005	O	|	|	|	|	0.02
42.833	0.00	0.01	0.005	O	|	|	|	|	0.02
42.917	0.00	0.01	0.005	O	|	|	|	|	0.02
43.000	0.00	0.01	0.005	O	|	|	|	|	0.02
43.083	0.00	0.01	0.005	O	|	|	|	|	0.01
43.167	0.00	0.01	0.005	O	|	|	|	|	0.01
43.250	0.00	0.01	0.004	O	|	|	|	|	0.01
43.333	0.00	0.01	0.004	O	|	|	|	|	0.01
43.417	0.00	0.01	0.004	O	|	|	|	|	0.01
43.500	0.00	0.01	0.004	O	|	|	|	|	0.01
43.583	0.00	0.01	0.004	O	|	|	|	|	0.01
43.667	0.00	0.01	0.004	O	|	|	|	|	0.01
43.750	0.00	0.01	0.004	O	|	|	|	|	0.01
43.833	0.00	0.01	0.004	O	|	|	|	|	0.01
43.917	0.00	0.01	0.004	O	|	|	|	|	0.01
44.000	0.00	0.01	0.004	O	|	|	|	|	0.01
44.083	0.00	0.01	0.004	O	|	|	|	|	0.01
44.167	0.00	0.01	0.004	O	|	|	|	|	0.01
44.250	0.00	0.01	0.004	O	|	|	|	|	0.01
44.333	0.00	0.01	0.003	O	|	|	|	|	0.01
44.417	0.00	0.01	0.003	O	|	|	|	|	0.01
44.500	0.00	0.01	0.003	O	|	|	|	|	0.01
44.583	0.00	0.01	0.003	O	|	|	|	|	0.01
44.667	0.00	0.01	0.003	O	|	|	|	|	0.01
44.750	0.00	0.01	0.003	O	|	|	|	|	0.01
44.833	0.00	0.01	0.003	O	|	|	|	|	0.01
44.917	0.00	0.01	0.003	O	|	|	|	|	0.01
45.000	0.00	0.01	0.003	O	|	|	|	|	0.01
45.083	0.00	0.01	0.003	O	|	|	|	|	0.01

45.167	0.00	0.01	0.003	O					0.01
45.250	0.00	0.01	0.003	O					0.01
45.333	0.00	0.01	0.003	O					0.01
45.417	0.00	0.01	0.003	O					0.01
45.500	0.00	0.01	0.003	O					0.01
45.583	0.00	0.01	0.003	O					0.01
45.667	0.00	0.01	0.003	O					0.01
45.750	0.00	0.01	0.002	O					0.01
45.833	0.00	0.01	0.002	O					0.01
45.917	0.00	0.01	0.002	O					0.01
46.000	0.00	0.01	0.002	O					0.01
46.083	0.00	0.01	0.002	O					0.01
46.167	0.00	0.01	0.002	O					0.01
46.250	0.00	0.01	0.002	O					0.01
46.333	0.00	0.01	0.002	O					0.01
46.417	0.00	0.01	0.002	O					0.01
46.500	0.00	0.01	0.002	O					0.01
46.583	0.00	0.01	0.002	O					0.01
46.667	0.00	0.01	0.002	O					0.01
46.750	0.00	0.01	0.002	O					0.01
46.833	0.00	0.01	0.002	O					0.01
46.917	0.00	0.01	0.002	O					0.01
47.000	0.00	0.01	0.002	O					0.01
47.083	0.00	0.01	0.002	O					0.01
47.167	0.00	0.01	0.002	O					0.01
47.250	0.00	0.00	0.002	O					0.01
47.333	0.00	0.00	0.002	O					0.01
47.417	0.00	0.00	0.002	O					0.01
47.500	0.00	0.00	0.002	O					0.01
47.583	0.00	0.00	0.002	O					0.01
47.667	0.00	0.00	0.002	O					0.01
47.750	0.00	0.00	0.002	O					0.01
47.833	0.00	0.00	0.002	O					0.00
47.917	0.00	0.00	0.001	O					0.00
48.000	0.00	0.00	0.001	O					0.00
48.083	0.00	0.00	0.001	O					0.00
48.167	0.00	0.00	0.001	O					0.00
48.250	0.00	0.00	0.001	O					0.00
48.333	0.00	0.00	0.001	O					0.00
48.417	0.00	0.00	0.001	O					0.00
48.500	0.00	0.00	0.001	O					0.00
48.583	0.00	0.00	0.001	O					0.00
48.667	0.00	0.00	0.001	O					0.00
48.750	0.00	0.00	0.001	O					0.00
48.833	0.00	0.00	0.001	O					0.00
48.917	0.00	0.00	0.001	O					0.00
49.000	0.00	0.00	0.001	O					0.00
49.083	0.00	0.00	0.001	O					0.00
49.167	0.00	0.00	0.001	O					0.00
49.250	0.00	0.00	0.001	O					0.00
49.333	0.00	0.00	0.001	O					0.00
49.417	0.00	0.00	0.001	O					0.00
49.500	0.00	0.00	0.001	O					0.00
49.583	0.00	0.00	0.001	O					0.00
49.667	0.00	0.00	0.001	O					0.00
49.750	0.00	0.00	0.001	O					0.00
49.833	0.00	0.00	0.001	O					0.00
49.917	0.00	0.00	0.001	O					0.00
50.000	0.00	0.00	0.001	O					0.00
50.083	0.00	0.00	0.001	O					0.00
50.167	0.00	0.00	0.001	O					0.00
50.250	0.00	0.00	0.001	O					0.00
50.333	0.00	0.00	0.001	O					0.00
50.417	0.00	0.00	0.001	O					0.00
50.500	0.00	0.00	0.001	O					0.00
50.583	0.00	0.00	0.001	O					0.00
50.667	0.00	0.00	0.001	O					0.00

50.750	0.00	0.00	0.001	O	|	|	|	|	0.00
50.833	0.00	0.00	0.001	O	|	|	|	|	0.00
50.917	0.00	0.00	0.001	O	|	|	|	|	0.00
51.000	0.00	0.00	0.001	O	|	|	|	|	0.00
51.083	0.00	0.00	0.001	O	|	|	|	|	0.00
51.167	0.00	0.00	0.001	O	|	|	|	|	0.00
51.250	0.00	0.00	0.001	O	|	|	|	|	0.00
51.333	0.00	0.00	0.001	O	|	|	|	|	0.00
51.417	0.00	0.00	0.001	O	|	|	|	|	0.00
51.500	0.00	0.00	0.001	O	|	|	|	|	0.00
51.583	0.00	0.00	0.001	O	|	|	|	|	0.00
51.667	0.00	0.00	0.001	O	|	|	|	|	0.00
51.750	0.00	0.00	0.001	O	|	|	|	|	0.00
51.833	0.00	0.00	0.001	O	|	|	|	|	0.00
51.917	0.00	0.00	0.001	O	|	|	|	|	0.00
52.000	0.00	0.00	0.001	O	|	|	|	|	0.00
52.083	0.00	0.00	0.001	O	|	|	|	|	0.00
52.167	0.00	0.00	0.001	O	|	|	|	|	0.00
52.250	0.00	0.00	0.001	O	|	|	|	|	0.00
52.333	0.00	0.00	0.001	O	|	|	|	|	0.00
52.417	0.00	0.00	0.001	O	|	|	|	|	0.00
52.500	0.00	0.00	0.001	O	|	|	|	|	0.00
52.583	0.00	0.00	0.001	O	|	|	|	|	0.00
52.667	0.00	0.00	0.000	O	|	|	|	|	0.00
52.750	0.00	0.00	0.000	O	|	|	|	|	0.00
52.833	0.00	0.00	0.000	O	|	|	|	|	0.00
52.917	0.00	0.00	0.000	O	|	|	|	|	0.00
53.000	0.00	0.00	0.000	O	|	|	|	|	0.00
53.083	0.00	0.00	0.000	O	|	|	|	|	0.00
53.167	0.00	0.00	0.000	O	|	|	|	|	0.00
53.250	0.00	0.00	0.000	O	|	|	|	|	0.00
53.333	0.00	0.00	0.000	O	|	|	|	|	0.00
53.417	0.00	0.00	0.000	O	|	|	|	|	0.00
53.500	0.00	0.00	0.000	O	|	|	|	|	0.00
53.583	0.00	0.00	0.000	O	|	|	|	|	0.00
53.667	0.00	0.00	0.000	O	|	|	|	|	0.00
53.750	0.00	0.00	0.000	O	|	|	|	|	0.00
53.833	0.00	0.00	0.000	O	|	|	|	|	0.00
53.917	0.00	0.00	0.000	O	|	|	|	|	0.00
54.000	0.00	0.00	0.000	O	|	|	|	|	0.00
54.083	0.00	0.00	0.000	O	|	|	|	|	0.00
54.167	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 650
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 30.880 (CFS)
Total volume = 10.087 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

BASIN B

UNIT HYDROGRAPH

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/08/21 File: RVEXB242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN B- EXISTING UNIT HYDROGRAPH
2YR-24HR STROM

Drainage Area = 134.00(Ac.) = 0.209 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 134.00(Ac.) = 0.209 Sq. Mi.
Length along longest watercourse = 3940.00(Ft.)
Length along longest watercourse measured to centroid = 2045.00(Ft.)
Length along longest watercourse = 0.746 Mi.
Length along longest watercourse measured to centroid = 0.387 Mi.
Difference in elevation = 445.00(Ft.)
Slope along watercourse = 596.3452 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.178 Hr.
Lag time = 10.67 Min.
25% of lag time = 2.67 Min.
40% of lag time = 4.27 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	2.70	361.80

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	7.00	938.00

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.97 %
Adjusted average point rain = 2.699(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
134.000	80.30	0.000

Total Area Entered = 134.00(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
80.3  63.4      0.433     0.000        0.433       1.000      0.433
                                                   Sum (F) =   0.433
Area averaged mean soil loss (F) (In/Hr) =  0.433
Minimum soil loss rate ((In/Hr)) =  0.217
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
```

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	46.853	5.544	7.487
2	0.167	93.707	23.479	31.708
3	0.250	140.560	28.872	38.991
4	0.333	187.414	14.202	19.179
5	0.417	234.267	7.138	9.639
6	0.500	281.121	4.904	6.622
7	0.583	327.974	3.588	4.846
8	0.667	374.828	2.752	3.716
9	0.750	421.681	2.084	2.815
10	0.833	468.535	1.573	2.124
11	0.917	515.388	1.403	1.894
12	1.000	562.242	1.109	1.498
13	1.083	609.095	0.891	1.203
14	1.167	655.949	0.715	0.966
15	1.250	702.802	0.540	0.729
16	1.333	749.656	0.469	0.633
17	1.417	796.509	0.469	0.633
18	1.500	843.363	0.269	0.364
		Sum = 100.000	Sum=	135.047

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.768)	0.019	0.002
2	0.17	0.07	0.022	(0.765)	0.019	0.002
3	0.25	0.07	0.022	(0.762)	0.019	0.002
4	0.33	0.10	0.032	(0.759)	0.029	0.003
5	0.42	0.10	0.032	(0.756)	0.029	0.003
6	0.50	0.10	0.032	(0.753)	0.029	0.003
7	0.58	0.10	0.032	(0.750)	0.029	0.003
8	0.67	0.10	0.032	(0.747)	0.029	0.003
9	0.75	0.10	0.032	(0.744)	0.029	0.003
10	0.83	0.13	0.043	(0.741)	0.039	0.004
11	0.92	0.13	0.043	(0.738)	0.039	0.004
12	1.00	0.13	0.043	(0.735)	0.039	0.004
13	1.08	0.10	0.032	(0.732)	0.029	0.003
14	1.17	0.10	0.032	(0.730)	0.029	0.003
15	1.25	0.10	0.032	(0.727)	0.029	0.003
16	1.33	0.10	0.032	(0.724)	0.029	0.003
17	1.42	0.10	0.032	(0.721)	0.029	0.003
18	1.50	0.10	0.032	(0.718)	0.029	0.003
19	1.58	0.10	0.032	(0.715)	0.029	0.003
20	1.67	0.10	0.032	(0.712)	0.029	0.003
21	1.75	0.10	0.032	(0.709)	0.029	0.003
22	1.83	0.13	0.043	(0.707)	0.039	0.004
23	1.92	0.13	0.043	(0.704)	0.039	0.004
24	2.00	0.13	0.043	(0.701)	0.039	0.004

25	2.08	0.13	0.043	(0.698)	0.039	0.004
26	2.17	0.13	0.043	(0.695)	0.039	0.004
27	2.25	0.13	0.043	(0.692)	0.039	0.004
28	2.33	0.13	0.043	(0.690)	0.039	0.004
29	2.42	0.13	0.043	(0.687)	0.039	0.004
30	2.50	0.13	0.043	(0.684)	0.039	0.004
31	2.58	0.17	0.054	(0.681)	0.049	0.005
32	2.67	0.17	0.054	(0.678)	0.049	0.005
33	2.75	0.17	0.054	(0.676)	0.049	0.005
34	2.83	0.17	0.054	(0.673)	0.049	0.005
35	2.92	0.17	0.054	(0.670)	0.049	0.005
36	3.00	0.17	0.054	(0.667)	0.049	0.005
37	3.08	0.17	0.054	(0.664)	0.049	0.005
38	3.17	0.17	0.054	(0.662)	0.049	0.005
39	3.25	0.17	0.054	(0.659)	0.049	0.005
40	3.33	0.17	0.054	(0.656)	0.049	0.005
41	3.42	0.17	0.054	(0.653)	0.049	0.005
42	3.50	0.17	0.054	(0.651)	0.049	0.005
43	3.58	0.17	0.054	(0.648)	0.049	0.005
44	3.67	0.17	0.054	(0.645)	0.049	0.005
45	3.75	0.17	0.054	(0.643)	0.049	0.005
46	3.83	0.20	0.065	(0.640)	0.058	0.006
47	3.92	0.20	0.065	(0.637)	0.058	0.006
48	4.00	0.20	0.065	(0.634)	0.058	0.006
49	4.08	0.20	0.065	(0.632)	0.058	0.006
50	4.17	0.20	0.065	(0.629)	0.058	0.006
51	4.25	0.20	0.065	(0.626)	0.058	0.006
52	4.33	0.23	0.076	(0.624)	0.068	0.008
53	4.42	0.23	0.076	(0.621)	0.068	0.008
54	4.50	0.23	0.076	(0.618)	0.068	0.008
55	4.58	0.23	0.076	(0.616)	0.068	0.008
56	4.67	0.23	0.076	(0.613)	0.068	0.008
57	4.75	0.23	0.076	(0.610)	0.068	0.008
58	4.83	0.27	0.086	(0.608)	0.078	0.009
59	4.92	0.27	0.086	(0.605)	0.078	0.009
60	5.00	0.27	0.086	(0.603)	0.078	0.009
61	5.08	0.20	0.065	(0.600)	0.058	0.006
62	5.17	0.20	0.065	(0.597)	0.058	0.006
63	5.25	0.20	0.065	(0.595)	0.058	0.006
64	5.33	0.23	0.076	(0.592)	0.068	0.008
65	5.42	0.23	0.076	(0.590)	0.068	0.008
66	5.50	0.23	0.076	(0.587)	0.068	0.008
67	5.58	0.27	0.086	(0.584)	0.078	0.009
68	5.67	0.27	0.086	(0.582)	0.078	0.009
69	5.75	0.27	0.086	(0.579)	0.078	0.009
70	5.83	0.27	0.086	(0.577)	0.078	0.009
71	5.92	0.27	0.086	(0.574)	0.078	0.009
72	6.00	0.27	0.086	(0.572)	0.078	0.009
73	6.08	0.30	0.097	(0.569)	0.087	0.010
74	6.17	0.30	0.097	(0.567)	0.087	0.010
75	6.25	0.30	0.097	(0.564)	0.087	0.010
76	6.33	0.30	0.097	(0.562)	0.087	0.010
77	6.42	0.30	0.097	(0.559)	0.087	0.010
78	6.50	0.30	0.097	(0.557)	0.087	0.010
79	6.58	0.33	0.108	(0.554)	0.097	0.011
80	6.67	0.33	0.108	(0.552)	0.097	0.011
81	6.75	0.33	0.108	(0.549)	0.097	0.011
82	6.83	0.33	0.108	(0.547)	0.097	0.011
83	6.92	0.33	0.108	(0.544)	0.097	0.011
84	7.00	0.33	0.108	(0.542)	0.097	0.011
85	7.08	0.33	0.108	(0.539)	0.097	0.011
86	7.17	0.33	0.108	(0.537)	0.097	0.011
87	7.25	0.33	0.108	(0.534)	0.097	0.011
88	7.33	0.37	0.119	(0.532)	0.107	0.012
89	7.42	0.37	0.119	(0.529)	0.107	0.012
90	7.50	0.37	0.119	(0.527)	0.107	0.012
91	7.58	0.40	0.130	(0.525)	0.117	0.013

92	7.67	0.40	0.130	(0.522)	0.117	0.013
93	7.75	0.40	0.130	(0.520)	0.117	0.013
94	7.83	0.43	0.140	(0.517)	0.126	0.014
95	7.92	0.43	0.140	(0.515)	0.126	0.014
96	8.00	0.43	0.140	(0.513)	0.126	0.014
97	8.08	0.50	0.162	(0.510)	0.146	0.016
98	8.17	0.50	0.162	(0.508)	0.146	0.016
99	8.25	0.50	0.162	(0.505)	0.146	0.016
100	8.33	0.50	0.162	(0.503)	0.146	0.016
101	8.42	0.50	0.162	(0.501)	0.146	0.016
102	8.50	0.50	0.162	(0.498)	0.146	0.016
103	8.58	0.53	0.173	(0.496)	0.155	0.017
104	8.67	0.53	0.173	(0.494)	0.155	0.017
105	8.75	0.53	0.173	(0.491)	0.155	0.017
106	8.83	0.57	0.184	(0.489)	0.165	0.018
107	8.92	0.57	0.184	(0.487)	0.165	0.018
108	9.00	0.57	0.184	(0.484)	0.165	0.018
109	9.08	0.63	0.205	(0.482)	0.185	0.021
110	9.17	0.63	0.205	(0.480)	0.185	0.021
111	9.25	0.63	0.205	(0.478)	0.185	0.021
112	9.33	0.67	0.216	(0.475)	0.194	0.022
113	9.42	0.67	0.216	(0.473)	0.194	0.022
114	9.50	0.67	0.216	(0.471)	0.194	0.022
115	9.58	0.70	0.227	(0.468)	0.204	0.023
116	9.67	0.70	0.227	(0.466)	0.204	0.023
117	9.75	0.70	0.227	(0.464)	0.204	0.023
118	9.83	0.73	0.238	(0.462)	0.214	0.024
119	9.92	0.73	0.238	(0.460)	0.214	0.024
120	10.00	0.73	0.238	(0.457)	0.214	0.024
121	10.08	0.50	0.162	(0.455)	0.146	0.016
122	10.17	0.50	0.162	(0.453)	0.146	0.016
123	10.25	0.50	0.162	(0.451)	0.146	0.016
124	10.33	0.50	0.162	(0.449)	0.146	0.016
125	10.42	0.50	0.162	(0.446)	0.146	0.016
126	10.50	0.50	0.162	(0.444)	0.146	0.016
127	10.58	0.67	0.216	(0.442)	0.194	0.022
128	10.67	0.67	0.216	(0.440)	0.194	0.022
129	10.75	0.67	0.216	(0.438)	0.194	0.022
130	10.83	0.67	0.216	(0.436)	0.194	0.022
131	10.92	0.67	0.216	(0.433)	0.194	0.022
132	11.00	0.67	0.216	(0.431)	0.194	0.022
133	11.08	0.63	0.205	(0.429)	0.185	0.021
134	11.17	0.63	0.205	(0.427)	0.185	0.021
135	11.25	0.63	0.205	(0.425)	0.185	0.021
136	11.33	0.63	0.205	(0.423)	0.185	0.021
137	11.42	0.63	0.205	(0.421)	0.185	0.021
138	11.50	0.63	0.205	(0.419)	0.185	0.021
139	11.58	0.57	0.184	(0.417)	0.165	0.018
140	11.67	0.57	0.184	(0.414)	0.165	0.018
141	11.75	0.57	0.184	(0.412)	0.165	0.018
142	11.83	0.60	0.194	(0.410)	0.175	0.019
143	11.92	0.60	0.194	(0.408)	0.175	0.019
144	12.00	0.60	0.194	(0.406)	0.175	0.019
145	12.08	0.83	0.270	(0.404)	0.243	0.027
146	12.17	0.83	0.270	(0.402)	0.243	0.027
147	12.25	0.83	0.270	(0.400)	0.243	0.027
148	12.33	0.87	0.281	(0.398)	0.253	0.028
149	12.42	0.87	0.281	(0.396)	0.253	0.028
150	12.50	0.87	0.281	(0.394)	0.253	0.028
151	12.58	0.93	0.302	(0.392)	0.272	0.030
152	12.67	0.93	0.302	(0.390)	0.272	0.030
153	12.75	0.93	0.302	(0.388)	0.272	0.030
154	12.83	0.97	0.313	(0.386)	0.282	0.031
155	12.92	0.97	0.313	(0.384)	0.282	0.031
156	13.00	0.97	0.313	(0.382)	0.282	0.031
157	13.08	1.13	0.367	(0.380)	0.330	0.037
158	13.17	1.13	0.367	(0.379)	0.330	0.037

159	13.25	1.13	0.367	(0.377)	0.330	0.037
160	13.33	1.13	0.367	(0.375)	0.330	0.037
161	13.42	1.13	0.367	(0.373)	0.330	0.037
162	13.50	1.13	0.367	(0.371)	0.330	0.037
163	13.58	0.77	0.248	(0.369)	0.224	0.025
164	13.67	0.77	0.248	(0.367)	0.224	0.025
165	13.75	0.77	0.248	(0.365)	0.224	0.025
166	13.83	0.77	0.248	(0.363)	0.224	0.025
167	13.92	0.77	0.248	(0.362)	0.224	0.025
168	14.00	0.77	0.248	(0.360)	0.224	0.025
169	14.08	0.90	0.292	(0.358)	0.262	0.029
170	14.17	0.90	0.292	(0.356)	0.262	0.029
171	14.25	0.90	0.292	(0.354)	0.262	0.029
172	14.33	0.87	0.281	(0.352)	0.253	0.028
173	14.42	0.87	0.281	(0.351)	0.253	0.028
174	14.50	0.87	0.281	(0.349)	0.253	0.028
175	14.58	0.87	0.281	(0.347)	0.253	0.028
176	14.67	0.87	0.281	(0.345)	0.253	0.028
177	14.75	0.87	0.281	(0.343)	0.253	0.028
178	14.83	0.83	0.270	(0.342)	0.243	0.027
179	14.92	0.83	0.270	(0.340)	0.243	0.027
180	15.00	0.83	0.270	(0.338)	0.243	0.027
181	15.08	0.80	0.259	(0.337)	0.233	0.026
182	15.17	0.80	0.259	(0.335)	0.233	0.026
183	15.25	0.80	0.259	(0.333)	0.233	0.026
184	15.33	0.77	0.248	(0.331)	0.224	0.025
185	15.42	0.77	0.248	(0.330)	0.224	0.025
186	15.50	0.77	0.248	(0.328)	0.224	0.025
187	15.58	0.63	0.205	(0.326)	0.185	0.021
188	15.67	0.63	0.205	(0.325)	0.185	0.021
189	15.75	0.63	0.205	(0.323)	0.185	0.021
190	15.83	0.63	0.205	(0.321)	0.185	0.021
191	15.92	0.63	0.205	(0.320)	0.185	0.021
192	16.00	0.63	0.205	(0.318)	0.185	0.021
193	16.08	0.13	0.043	(0.316)	0.039	0.004
194	16.17	0.13	0.043	(0.315)	0.039	0.004
195	16.25	0.13	0.043	(0.313)	0.039	0.004
196	16.33	0.13	0.043	(0.312)	0.039	0.004
197	16.42	0.13	0.043	(0.310)	0.039	0.004
198	16.50	0.13	0.043	(0.308)	0.039	0.004
199	16.58	0.10	0.032	(0.307)	0.029	0.003
200	16.67	0.10	0.032	(0.305)	0.029	0.003
201	16.75	0.10	0.032	(0.304)	0.029	0.003
202	16.83	0.10	0.032	(0.302)	0.029	0.003
203	16.92	0.10	0.032	(0.301)	0.029	0.003
204	17.00	0.10	0.032	(0.299)	0.029	0.003
205	17.08	0.17	0.054	(0.298)	0.049	0.005
206	17.17	0.17	0.054	(0.296)	0.049	0.005
207	17.25	0.17	0.054	(0.295)	0.049	0.005
208	17.33	0.17	0.054	(0.293)	0.049	0.005
209	17.42	0.17	0.054	(0.292)	0.049	0.005
210	17.50	0.17	0.054	(0.290)	0.049	0.005
211	17.58	0.17	0.054	(0.289)	0.049	0.005
212	17.67	0.17	0.054	(0.287)	0.049	0.005
213	17.75	0.17	0.054	(0.286)	0.049	0.005
214	17.83	0.13	0.043	(0.284)	0.039	0.004
215	17.92	0.13	0.043	(0.283)	0.039	0.004
216	18.00	0.13	0.043	(0.282)	0.039	0.004
217	18.08	0.13	0.043	(0.280)	0.039	0.004
218	18.17	0.13	0.043	(0.279)	0.039	0.004
219	18.25	0.13	0.043	(0.278)	0.039	0.004
220	18.33	0.13	0.043	(0.276)	0.039	0.004
221	18.42	0.13	0.043	(0.275)	0.039	0.004
222	18.50	0.13	0.043	(0.274)	0.039	0.004
223	18.58	0.10	0.032	(0.272)	0.029	0.003
224	18.67	0.10	0.032	(0.271)	0.029	0.003
225	18.75	0.10	0.032	(0.270)	0.029	0.003

226	18.83	0.07	0.022	(0.268)	0.019	0.002
227	18.92	0.07	0.022	(0.267)	0.019	0.002
228	19.00	0.07	0.022	(0.266)	0.019	0.002
229	19.08	0.10	0.032	(0.264)	0.029	0.003
230	19.17	0.10	0.032	(0.263)	0.029	0.003
231	19.25	0.10	0.032	(0.262)	0.029	0.003
232	19.33	0.13	0.043	(0.261)	0.039	0.004
233	19.42	0.13	0.043	(0.260)	0.039	0.004
234	19.50	0.13	0.043	(0.258)	0.039	0.004
235	19.58	0.10	0.032	(0.257)	0.029	0.003
236	19.67	0.10	0.032	(0.256)	0.029	0.003
237	19.75	0.10	0.032	(0.255)	0.029	0.003
238	19.83	0.07	0.022	(0.254)	0.019	0.002
239	19.92	0.07	0.022	(0.253)	0.019	0.002
240	20.00	0.07	0.022	(0.251)	0.019	0.002
241	20.08	0.10	0.032	(0.250)	0.029	0.003
242	20.17	0.10	0.032	(0.249)	0.029	0.003
243	20.25	0.10	0.032	(0.248)	0.029	0.003
244	20.33	0.10	0.032	(0.247)	0.029	0.003
245	20.42	0.10	0.032	(0.246)	0.029	0.003
246	20.50	0.10	0.032	(0.245)	0.029	0.003
247	20.58	0.10	0.032	(0.244)	0.029	0.003
248	20.67	0.10	0.032	(0.243)	0.029	0.003
249	20.75	0.10	0.032	(0.242)	0.029	0.003
250	20.83	0.07	0.022	(0.241)	0.019	0.002
251	20.92	0.07	0.022	(0.240)	0.019	0.002
252	21.00	0.07	0.022	(0.239)	0.019	0.002
253	21.08	0.10	0.032	(0.238)	0.029	0.003
254	21.17	0.10	0.032	(0.237)	0.029	0.003
255	21.25	0.10	0.032	(0.236)	0.029	0.003
256	21.33	0.07	0.022	(0.235)	0.019	0.002
257	21.42	0.07	0.022	(0.234)	0.019	0.002
258	21.50	0.07	0.022	(0.234)	0.019	0.002
259	21.58	0.10	0.032	(0.233)	0.029	0.003
260	21.67	0.10	0.032	(0.232)	0.029	0.003
261	21.75	0.10	0.032	(0.231)	0.029	0.003
262	21.83	0.07	0.022	(0.230)	0.019	0.002
263	21.92	0.07	0.022	(0.229)	0.019	0.002
264	22.00	0.07	0.022	(0.229)	0.019	0.002
265	22.08	0.10	0.032	(0.228)	0.029	0.003
266	22.17	0.10	0.032	(0.227)	0.029	0.003
267	22.25	0.10	0.032	(0.226)	0.029	0.003
268	22.33	0.07	0.022	(0.226)	0.019	0.002
269	22.42	0.07	0.022	(0.225)	0.019	0.002
270	22.50	0.07	0.022	(0.224)	0.019	0.002
271	22.58	0.07	0.022	(0.224)	0.019	0.002
272	22.67	0.07	0.022	(0.223)	0.019	0.002
273	22.75	0.07	0.022	(0.222)	0.019	0.002
274	22.83	0.07	0.022	(0.222)	0.019	0.002
275	22.92	0.07	0.022	(0.221)	0.019	0.002
276	23.00	0.07	0.022	(0.221)	0.019	0.002
277	23.08	0.07	0.022	(0.220)	0.019	0.002
278	23.17	0.07	0.022	(0.220)	0.019	0.002
279	23.25	0.07	0.022	(0.219)	0.019	0.002
280	23.33	0.07	0.022	(0.219)	0.019	0.002
281	23.42	0.07	0.022	(0.218)	0.019	0.002
282	23.50	0.07	0.022	(0.218)	0.019	0.002
283	23.58	0.07	0.022	(0.218)	0.019	0.002
284	23.67	0.07	0.022	(0.217)	0.019	0.002
285	23.75	0.07	0.022	(0.217)	0.019	0.002
286	23.83	0.07	0.022	(0.217)	0.019	0.002
287	23.92	0.07	0.022	(0.217)	0.019	0.002
288	24.00	0.07	0.022	(0.217)	0.019	0.002
		(Loss Rate Not Used)				
	Sum =	100.0			Sum =	3.2

Flood volume = Effective rainfall 0.27(In)
times area 134.0(Ac.)/[(In)/(Ft.)] = 3.0(Ac.Ft)

```
    Total soil loss =      2.43(In)
    Total soil loss =    27.128(Ac.Ft)
    Total rainfall =      2.70(In)
    Flood volume =      131299.0 Cubic Feet
    Total soil loss =     1181691.2 Cubic Feet
    ------------------------------------------------------------------------
     Peak flow rate of this hydrograph =      4.822(CFS)
    ------------------------------------------------------------------------
    ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        24 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
    ------------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

    ------------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
-------------------------------------------------------------------------
  0+ 5       0.0001      0.02  Q         |         |         |         |
  0+10       0.0007      0.08  Q         |         |         |         |
  0+15       0.0019      0.17  Q         |         |         |         |
  0+20       0.0034      0.22  Q         |         |         |         |
  0+25       0.0052      0.27  VQ        |         |         |         |
  0+30       0.0075      0.33  VQ        |         |         |         |
  0+35       0.0100      0.36  VQ        |         |         |         |
  0+40       0.0126      0.38  VQ        |         |         |         |
  0+45       0.0153      0.39  VQ        |         |         |         |
  0+50       0.0182      0.41  VQ        |         |         |         |
  0+55       0.0213      0.45  VQ        |         |         |         |
  1+ 0       0.0247      0.50  V Q       |         |         |         |
  1+ 5       0.0283      0.52  V Q       |         |         |         |
  1+10       0.0317      0.50  VQ        |         |         |         |
  1+15       0.0350      0.47  VQ        |         |         |         |
  1+20       0.0381      0.45  VQ        |         |         |         |
  1+25       0.0412      0.45  VQ        |         |         |         |
  1+30       0.0443      0.45  VQ        |         |         |         |
  1+35       0.0474      0.45  VQ        |         |         |         |
  1+40       0.0504      0.44  VQ        |         |         |         |
  1+45       0.0535      0.44  VQ        |         |         |         |
  1+50       0.0566      0.45  VQ        |         |         |         |
  1+55       0.0599      0.48  VQ        |         |         |         |
  2+ 0       0.0635      0.53  V Q       |         |         |         |
  2+ 5       0.0673      0.55  V Q       |         |         |         |
  2+10       0.0711      0.56  V Q       |         |         |         |
  2+15       0.0750      0.56  V Q       |         |         |         |
  2+20       0.0789      0.57  |VQ       |         |         |         |
  2+25       0.0828      0.57  |VQ       |         |         |         |
  2+30       0.0868      0.57  |VQ       |         |         |         |
  2+35       0.0908      0.58  |VQ       |         |         |         |
  2+40       0.0950      0.62  |VQ       |         |         |         |
  2+45       0.0996      0.66  |VQ       |         |         |         |
  2+50       0.1043      0.69  |VQ       |         |         |         |
  2+55       0.1091      0.70  |VQ       |         |         |         |
  3+ 0       0.1140      0.70  |VQ       |         |         |         |
  3+ 5       0.1189      0.71  |VQ       |         |         |         |
  3+10       0.1238      0.72  |VQ       |         |         |         |
  3+15       0.1287      0.72  |VQ       |         |         |         |
  3+20       0.1337      0.72  |VQ       |         |         |         |
  3+25       0.1387      0.72  |VQ       |         |         |         |
  3+30       0.1437      0.72  |VQ       |         |         |         |
  3+35       0.1487      0.73  |VQ       |         |         |         |
  3+40       0.1537      0.73  | Q       |         |         |         |
  3+45       0.1587      0.73  | Q       |         |         |         |
  3+50       0.1638      0.74  | Q       |         |         |         |
  3+55       0.1691      0.77  | VQ      |         |         |         |
  4+ 0       0.1747      0.81  | VQ      |         |         |         |
  4+ 5       0.1804      0.83  | VQ      |         |         |         |
  4+10       0.1862      0.85  | VQ      |         |         |         |
```

4+15	0.1921	0.85	VQ				
4+20	0.1981	0.87	VQ				
4+25	0.2043	0.90	VQ				
4+30	0.2108	0.95	VQ				
4+35	0.2175	0.97	VQ				
4+40	0.2243	0.98	VQ				
4+45	0.2311	0.99	Q				
4+50	0.2381	1.01	VQ				
4+55	0.2453	1.05	VQ				
5+ 0	0.2528	1.09	VQ				
5+ 5	0.2604	1.10	VQ				
5+10	0.2676	1.05	VQ				
5+15	0.2743	0.97	Q				
5+20	0.2808	0.94	Q				
5+25	0.2874	0.96	Q				
5+30	0.2943	0.99	Q				
5+35	0.3012	1.01	VQ				
5+40	0.3085	1.05	Q				
5+45	0.3161	1.10	Q				
5+50	0.3238	1.12	Q				
5+55	0.3316	1.13	Q				
6+ 0	0.3395	1.14	Q				
6+ 5	0.3474	1.15	Q				
6+10	0.3556	1.19	Q				
6+15	0.3642	1.24	Q				
6+20	0.3729	1.26	VQ				
6+25	0.3816	1.27	Q				
6+30	0.3905	1.28	Q				
6+35	0.3994	1.30	Q				
6+40	0.4086	1.34	Q				
6+45	0.4182	1.38	Q				
6+50	0.4279	1.41	Q				
6+55	0.4377	1.42	Q				
7+ 0	0.4475	1.43	Q				
7+ 5	0.4574	1.44	QV				
7+10	0.4674	1.44	QV				
7+15	0.4773	1.45	QV				
7+20	0.4874	1.46	QV				
7+25	0.4977	1.49	QV				
7+30	0.5082	1.54	Q				
7+35	0.5190	1.57	Q				
7+40	0.5302	1.61	QV				
7+45	0.5416	1.66	QV				
7+50	0.5533	1.70	QV				
7+55	0.5654	1.75	QV				
8+ 0	0.5778	1.80	Q				
8+ 5	0.5905	1.85	Q				
8+10	0.6038	1.93	QV				
8+15	0.6177	2.03	Q				
8+20	0.6320	2.08	Q				
8+25	0.6465	2.10	Q				
8+30	0.6612	2.12	Q				
8+35	0.6760	2.15	Q				
8+40	0.6911	2.19	QV				
8+45	0.7065	2.24	QV				
8+50	0.7222	2.28	Q				
8+55	0.7383	2.33	Q				
9+ 0	0.7547	2.38	QV				
9+ 5	0.7714	2.43	QV				
9+10	0.7887	2.52	Q				
9+15	0.8067	2.61	Q				
9+20	0.8251	2.67	Q				
9+25	0.8439	2.73	QV				
9+30	0.8632	2.79	Q				
9+35	0.8827	2.84	Q				
9+40	0.9026	2.89	Q				
9+45	0.9230	2.95	QV				

```
 9+50       0.9436      2.99  |          |QV        |          |          |
 9+55       0.9645      3.05  |          | Q        |          |          |
10+ 0       0.9859      3.10  |          | QV       |          |          |
10+ 5       1.0071      3.08  |          | QV       |          |          |
10+10       1.0268      2.86  |          |Q V       |          |          |
10+15       1.0445      2.58  |          Q  V       |          |          |
10+20       1.0613      2.44  |         Q|   V      |          |          |
10+25       1.0777      2.38  |         Q|   V      |          |          |
10+30       1.0938      2.33  |         Q|   V      |          |          |
10+35       1.1099      2.34  |         Q|   V      |          |          |
10+40       1.1270      2.49  |         Q|   V      |          |          |
10+45       1.1455      2.68  |          Q    V     |          |          |
10+50       1.1646      2.77  |          |Q   V     |          |          |
10+55       1.1839      2.81  |          |Q   V     |          |          |
11+ 0       1.2034      2.83  |          |Q   V     |          |          |
11+ 5       1.2230      2.84  |          |Q    V    |          |          |
11+10       1.2425      2.82  |          |Q    V    |          |          |
11+15       1.2617      2.79  |          |Q    V    |          |          |
11+20       1.2808      2.78  |          |Q    V    |          |          |
11+25       1.2999      2.77  |          |Q     V   |          |          |
11+30       1.3190      2.77  |          |Q     V   |          |          |
11+35       1.3380      2.76  |          |Q     V   |          |          |
11+40       1.3565      2.69  |          Q       V  |          |          |
11+45       1.3744      2.60  |          Q       V  |          |          |
11+50       1.3921      2.57  |          Q       V  |          |          |
11+55       1.4100      2.59  |          Q       V  |          |          |
12+ 0       1.4280      2.62  |          Q       V  |          |          |
12+ 5       1.4464      2.68  |          Q        V|          |          |
12+10       1.4666      2.92  |          |Q       V|          |          |
12+15       1.4887      3.22  |          | Q      V|          |          |
12+20       1.5119      3.37  |          |  Q      V          |          |
12+25       1.5359      3.48  |          |  Q      V          |          |
12+30       1.5605      3.57  |          |   Q     V          |          |
12+35       1.5855      3.64  |          |   Q     |V         |          |
12+40       1.6114      3.75  |          |   Q     |V         |          |
12+45       1.6380      3.86  |          |    Q    |V         |          |
12+50       1.6650      3.93  |          |    Q    | V        |          |
12+55       1.6926      4.01  |          |     Q   | V        |          |
13+ 0       1.7207      4.08  |          |     Q   | V        |          |
13+ 5       1.7493      4.16  |          |     Q   |  V       |          |
13+10       1.7794      4.36  |          |      Q  |  V       |          |
13+15       1.8110      4.59  |          |       Q |   V      |          |
13+20       1.8434      4.71  |          |       Q |   V      |          |
13+25       1.8763      4.78  |          |        Q|   V      |          |
13+30       1.9095      4.82  |          |        Q|    V     |          |
13+35       1.9424      4.76  |          |        Q|    V     |          |
13+40       1.9727      4.41  |          |      Q  |     V    |          |
13+45       2.0001      3.97  |          |    Q    |     V    |          |
13+50       2.0259      3.75  |          |    Q    |     V    |          |
13+55       2.0511      3.65  |          |   Q     |      V   |          |
14+ 0       2.0758      3.58  |          |   Q     |      V   |          |
14+ 5       2.1003      3.57  |          |   Q     |      V   |          |
14+10       2.1256      3.66  |          |   Q     |       V  |          |
14+15       2.1518      3.80  |          |    Q    |       V  |          |
14+20       2.1783      3.86  |          |    Q    |       V  |          |
14+25       2.2048      3.85  |          |    Q    |        V|          |
14+30       2.2311      3.82  |          |    Q    |        V|          |
14+35       2.2573      3.80  |          |    Q    |        V|          |
14+40       2.2834      3.80  |          |    Q    |         V          |
14+45       2.3095      3.79  |          |    Q    |         V          |
14+50       2.3356      3.78  |          |    Q    |         V          |
14+55       2.3613      3.74  |          |   Q     |         |V         |
15+ 0       2.3868      3.70  |          |   Q     |         |V         |
15+ 5       2.4121      3.67  |          |   Q     |         | V        |
15+10       2.4371      3.63  |          |   Q     |         | V        |
15+15       2.4618      3.58  |          |   Q     |         | V        |
15+20       2.4863      3.55  |          |   Q     |         | V        |
```

```
15+25       2.5104      3.50  |          |   Q      |          |  V       |
15+30       2.5342      3.45  |          |  Q       |          |  V       |
15+35       2.5575      3.39  |          |  Q       |          |  V       |
15+40       2.5798      3.24  |          | Q        |          |   V      |
15+45       2.6009      3.06  |          | Q        |          |   V      |
15+50       2.6213      2.96  |          |Q         |          |   V      |
15+55       2.6414      2.92  |          |Q         |          |    V     |
16+ 0       2.6612      2.88  |          |Q         |          |    V     |
16+ 5       2.6801      2.74  |          Q          |          |    V     |
16+10       2.6952      2.20  |        Q |          |          |    V     |
16+15       2.7059      1.55  |      Q   |          |          |    V     |
16+20       2.7144      1.23  |    Q     |          |          |     V    |
16+25       2.7218      1.07  |    Q     |          |          |     V    |
16+30       2.7283      0.95  |   Q      |          |          |     V    |
16+35       2.7343      0.86  |   Q      |          |          |     V    |
16+40       2.7395      0.76  |   Q      |          |          |     V    |
16+45       2.7441      0.67  |  Q       |          |          |     V    |
16+50       2.7483      0.61  |  Q       |          |          |     V    |
16+55       2.7522      0.57  |  Q       |          |          |     V    |
17+ 0       2.7559      0.53  |  Q       |          |          |     V    |
17+ 5       2.7595      0.53  |  Q       |          |          |     V    |
17+10       2.7635      0.57  |  Q       |          |          |     V    |
17+15       2.7679      0.64  |  Q       |          |          |     V    |
17+20       2.7725      0.67  |  Q       |          |          |     V    |
17+25       2.7772      0.68  |  Q       |          |          |     V    |
17+30       2.7820      0.69  |  Q       |          |          |     V    |
17+35       2.7868      0.70  |  Q       |          |          |     V    |
17+40       2.7916      0.70  |  Q       |          |          |      V   |
17+45       2.7965      0.71  |  Q       |          |          |      V   |
17+50       2.8014      0.71  |  Q       |          |          |      V   |
17+55       2.8060      0.67  |  Q       |          |          |      V   |
18+ 0       2.8104      0.64  |  Q       |          |          |      V   |
18+ 5       2.8146      0.62  |  Q       |          |          |      V   |
18+10       2.8188      0.61  |  Q       |          |          |      V   |
18+15       2.8230      0.60  |  Q       |          |          |      V   |
18+20       2.8271      0.60  |  Q       |          |          |      V   |
18+25       2.8312      0.60  |  Q       |          |          |      V   |
18+30       2.8353      0.59  |  Q       |          |          |      V   |
18+35       2.8393      0.58  |  Q       |          |          |      V   |
18+40       2.8431      0.55  |  Q       |          |          |      V   |
18+45       2.8466      0.50  |  Q       |          |          |      V   |
18+50       2.8498      0.47  |Q         |          |          |      V   |
18+55       2.8528      0.43  |Q         |          |          |      V   |
19+ 0       2.8554      0.38  |Q         |          |          |      V   |
19+ 5       2.8579      0.36  |Q         |          |          |      V   |
19+10       2.8605      0.38  |Q         |          |          |      V   |
19+15       2.8633      0.41  |Q         |          |          |      V   |
19+20       2.8663      0.43  |Q         |          |          |       V  |
19+25       2.8695      0.47  |Q         |          |          |       V  |
19+30       2.8731      0.51  | Q        |          |          |       V  |
19+35       2.8767      0.53  | Q        |          |          |       V  |
19+40       2.8802      0.51  | Q        |          |          |       V  |
19+45       2.8834      0.47  |Q         |          |          |       V  |
19+50       2.8865      0.45  |Q         |          |          |       V  |
19+55       2.8893      0.41  |Q         |          |          |       V  |
20+ 0       2.8918      0.36  |Q         |          |          |       V  |
20+ 5       2.8942      0.35  |Q         |          |          |       V  |
20+10       2.8968      0.37  |Q         |          |          |       V  |
20+15       2.8995      0.40  |Q         |          |          |       V  |
20+20       2.9024      0.42  |Q         |          |          |       V  |
20+25       2.9054      0.42  |Q         |          |          |       V  |
20+30       2.9083      0.43  |Q         |          |          |       V  |
20+35       2.9113      0.43  |Q         |          |          |       V  |
20+40       2.9143      0.43  |Q         |          |          |       V  |
20+45       2.9172      0.43  |Q         |          |          |       V  |
20+50       2.9202      0.43  |Q         |          |          |       V  |
20+55       2.9229      0.39  |Q         |          |          |       V  |
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  21+ 0       2.9253      0.35  |Q        |          |          |       V |
  21+ 5       2.9276      0.34  |Q        |          |          |       V |
  21+10       2.9301      0.36  |Q        |          |          |       V |
  21+15       2.9328      0.40  |Q        |          |          |       V |
  21+20       2.9356      0.41  |Q        |          |          |       V |
  21+25       2.9382      0.38  |Q        |          |          |       V |
  21+30       2.9406      0.34  |Q        |          |          |        V|
  21+35       2.9429      0.33  |Q        |          |          |        V|
  21+40       2.9453      0.36  |Q        |          |          |        V|
  21+45       2.9480      0.39  |Q        |          |          |        V|
  21+50       2.9508      0.40  |Q        |          |          |        V|
  21+55       2.9534      0.37  |Q        |          |          |        V|
  22+ 0       2.9557      0.34  |Q        |          |          |        V|
  22+ 5       2.9580      0.33  |Q        |          |          |        V|
  22+10       2.9604      0.35  |Q        |          |          |        V|
  22+15       2.9631      0.39  |Q        |          |          |        V|
  22+20       2.9659      0.40  |Q        |          |          |        V|
  22+25       2.9685      0.37  |Q        |          |          |        V|
  22+30       2.9708      0.34  |Q        |          |          |        V|
  22+35       2.9730      0.32  |Q        |          |          |        V|
  22+40       2.9751      0.31  |Q        |          |          |        V|
  22+45       2.9773      0.31  |Q        |          |          |        V|
  22+50       2.9794      0.30  |Q        |          |          |        V|
  22+55       2.9814      0.30  |Q        |          |          |        V|
  23+ 0       2.9835      0.30  |Q        |          |          |        V|
  23+ 5       2.9855      0.30  |Q        |          |          |        V|
  23+10       2.9876      0.30  |Q        |          |          |        V|
  23+15       2.9896      0.29  |Q        |          |          |        V|
  23+20       2.9916      0.29  |Q        |          |          |        V|
  23+25       2.9937      0.29  |Q        |          |          |        V|
  23+30       2.9957      0.29  |Q        |          |          |        V|
  23+35       2.9977      0.29  |Q        |          |          |        V|
  23+40       2.9997      0.29  |Q        |          |          |        V|
  23+45       3.0017      0.29  |Q        |          |          |        V|
  23+50       3.0037      0.29  |Q        |          |          |        V|
  23+55       3.0057      0.29  |Q        |          |          |        V|
  24+ 0       3.0078      0.29  |Q        |          |          |        V|
  24+ 5       3.0097      0.28  |Q        |          |          |        V|
  24+10       3.0111      0.21  Q         |          |          |        V|
  24+15       3.0119      0.12  Q         |          |          |        V|
  24+20       3.0125      0.08  Q         |          |          |        V|
  24+25       3.0129      0.06  Q         |          |          |        V|
  24+30       3.0132      0.05  Q         |          |          |        V|
  24+35       3.0135      0.04  Q         |          |          |        V|
  24+40       3.0137      0.03  Q         |          |          |        V|
  24+45       3.0138      0.02  Q         |          |          |        V|
  24+50       3.0139      0.02  Q         |          |          |        V|
  24+55       3.0140      0.01  Q         |          |          |        V|
  25+ 0       3.0141      0.01  Q         |          |          |        V|
  25+ 5       3.0141      0.01  Q         |          |          |        V|
  25+10       3.0142      0.01  Q         |          |          |        V|
  25+15       3.0142      0.00  Q         |          |          |        V|
  25+20       3.0142      0.00  Q         |          |          |        V|
  25+25       3.0142      0.00  Q         |          |          |         V
--------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/08/21 File: RVPRB242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN B- PROPOSED UNIT HYDROGRAPH
2YR-24HR STROM

Drainage Area = 134.00(Ac.) = 0.209 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 134.00(Ac.) = 0.209 Sq. Mi.
Length along longest watercourse = 6289.00(Ft.)
Length along longest watercourse measured to centroid = 4365.00(Ft.)
Length along longest watercourse = 1.191 Mi.
Length along longest watercourse measured to centroid = 0.827 Mi.
Difference in elevation = 458.00(Ft.)
Slope along watercourse = 384.5190 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.116 Hr.
Lag time = 6.93 Min.
25% of lag time = 1.73 Min.
40% of lag time = 2.77 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	2.70	361.80

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	7.00	938.00

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.97 %
Adjusted average point rain = 2.699(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
134.000	61.70	0.475

Total Area Entered = 134.00(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      61.7  41.7      0.653     0.475        0.374       1.000      0.374
                                                          Sum (F) =   0.374
      Area averaged mean soil loss (F) (In/Hr) =  0.374
      Minimum soil loss rate ((In/Hr)) =  0.187
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.520
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083         72.144         11.178             15.096
          2   0.167        144.287         41.178             55.609
          3   0.250        216.431         22.417             30.274
          4   0.333        288.574          8.822             11.914
          5   0.417        360.718          5.359              7.238
          6   0.500        432.861          3.514              4.745
          7   0.583        505.005          2.394              3.232
          8   0.667        577.148          1.821              2.459
          9   0.750        649.292          1.287              1.739
         10   0.833        721.435          0.883              1.192
         11   0.917        793.579          0.721              0.974
         12   1.000        865.722          0.425              0.574
                                   Sum = 100.000   Sum=     135.047
    ------------------------------------------------------------------------

     The following loss rate calculations reflect use of the minimum calculated loss
     rate subtracted from the Storm Rain to produce the maximum Effective Rain value

      Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
           (Hr.)  Percent   (In/Hr)          Max    |   Low        (In/Hr)
       1   0.08     0.07      0.022       (  0.663)       0.011        0.010
       2   0.17     0.07      0.022       (  0.661)       0.011        0.010
       3   0.25     0.07      0.022       (  0.658)       0.011        0.010
       4   0.33     0.10      0.032       (  0.655)       0.017        0.016
       5   0.42     0.10      0.032       (  0.653)       0.017        0.016
       6   0.50     0.10      0.032       (  0.650)       0.017        0.016
       7   0.58     0.10      0.032       (  0.648)       0.017        0.016
       8   0.67     0.10      0.032       (  0.645)       0.017        0.016
       9   0.75     0.10      0.032       (  0.643)       0.017        0.016
      10   0.83     0.13      0.043       (  0.640)       0.022        0.021
      11   0.92     0.13      0.043       (  0.638)       0.022        0.021
      12   1.00     0.13      0.043       (  0.635)       0.022        0.021
      13   1.08     0.10      0.032       (  0.633)       0.017        0.016
      14   1.17     0.10      0.032       (  0.630)       0.017        0.016
      15   1.25     0.10      0.032       (  0.628)       0.017        0.016
      16   1.33     0.10      0.032       (  0.625)       0.017        0.016
      17   1.42     0.10      0.032       (  0.623)       0.017        0.016
      18   1.50     0.10      0.032       (  0.620)       0.017        0.016
      19   1.58     0.10      0.032       (  0.618)       0.017        0.016
      20   1.67     0.10      0.032       (  0.615)       0.017        0.016
      21   1.75     0.10      0.032       (  0.613)       0.017        0.016
      22   1.83     0.13      0.043       (  0.610)       0.022        0.021
      23   1.92     0.13      0.043       (  0.608)       0.022        0.021
      24   2.00     0.13      0.043       (  0.605)       0.022        0.021
      25   2.08     0.13      0.043       (  0.603)       0.022        0.021
      26   2.17     0.13      0.043       (  0.600)       0.022        0.021
      27   2.25     0.13      0.043       (  0.598)       0.022        0.021
      28   2.33     0.13      0.043       (  0.596)       0.022        0.021
      29   2.42     0.13      0.043       (  0.593)       0.022        0.021
      30   2.50     0.13      0.043       (  0.591)       0.022        0.021
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31	2.58	0.17	0.054	(0.588)	0.028	0.026
32	2.67	0.17	0.054	(0.586)	0.028	0.026
33	2.75	0.17	0.054	(0.583)	0.028	0.026
34	2.83	0.17	0.054	(0.581)	0.028	0.026
35	2.92	0.17	0.054	(0.579)	0.028	0.026
36	3.00	0.17	0.054	(0.576)	0.028	0.026
37	3.08	0.17	0.054	(0.574)	0.028	0.026
38	3.17	0.17	0.054	(0.572)	0.028	0.026
39	3.25	0.17	0.054	(0.569)	0.028	0.026
40	3.33	0.17	0.054	(0.567)	0.028	0.026
41	3.42	0.17	0.054	(0.564)	0.028	0.026
42	3.50	0.17	0.054	(0.562)	0.028	0.026
43	3.58	0.17	0.054	(0.560)	0.028	0.026
44	3.67	0.17	0.054	(0.557)	0.028	0.026
45	3.75	0.17	0.054	(0.555)	0.028	0.026
46	3.83	0.20	0.065	(0.553)	0.034	0.031
47	3.92	0.20	0.065	(0.550)	0.034	0.031
48	4.00	0.20	0.065	(0.548)	0.034	0.031
49	4.08	0.20	0.065	(0.546)	0.034	0.031
50	4.17	0.20	0.065	(0.543)	0.034	0.031
51	4.25	0.20	0.065	(0.541)	0.034	0.031
52	4.33	0.23	0.076	(0.539)	0.039	0.036
53	4.42	0.23	0.076	(0.536)	0.039	0.036
54	4.50	0.23	0.076	(0.534)	0.039	0.036
55	4.58	0.23	0.076	(0.532)	0.039	0.036
56	4.67	0.23	0.076	(0.530)	0.039	0.036
57	4.75	0.23	0.076	(0.527)	0.039	0.036
58	4.83	0.27	0.086	(0.525)	0.045	0.041
59	4.92	0.27	0.086	(0.523)	0.045	0.041
60	5.00	0.27	0.086	(0.520)	0.045	0.041
61	5.08	0.20	0.065	(0.518)	0.034	0.031
62	5.17	0.20	0.065	(0.516)	0.034	0.031
63	5.25	0.20	0.065	(0.514)	0.034	0.031
64	5.33	0.23	0.076	(0.511)	0.039	0.036
65	5.42	0.23	0.076	(0.509)	0.039	0.036
66	5.50	0.23	0.076	(0.507)	0.039	0.036
67	5.58	0.27	0.086	(0.505)	0.045	0.041
68	5.67	0.27	0.086	(0.503)	0.045	0.041
69	5.75	0.27	0.086	(0.500)	0.045	0.041
70	5.83	0.27	0.086	(0.498)	0.045	0.041
71	5.92	0.27	0.086	(0.496)	0.045	0.041
72	6.00	0.27	0.086	(0.494)	0.045	0.041
73	6.08	0.30	0.097	(0.492)	0.051	0.047
74	6.17	0.30	0.097	(0.489)	0.051	0.047
75	6.25	0.30	0.097	(0.487)	0.051	0.047
76	6.33	0.30	0.097	(0.485)	0.051	0.047
77	6.42	0.30	0.097	(0.483)	0.051	0.047
78	6.50	0.30	0.097	(0.481)	0.051	0.047
79	6.58	0.33	0.108	(0.478)	0.056	0.052
80	6.67	0.33	0.108	(0.476)	0.056	0.052
81	6.75	0.33	0.108	(0.474)	0.056	0.052
82	6.83	0.33	0.108	(0.472)	0.056	0.052
83	6.92	0.33	0.108	(0.470)	0.056	0.052
84	7.00	0.33	0.108	(0.468)	0.056	0.052
85	7.08	0.33	0.108	(0.466)	0.056	0.052
86	7.17	0.33	0.108	(0.464)	0.056	0.052
87	7.25	0.33	0.108	(0.461)	0.056	0.052
88	7.33	0.37	0.119	(0.459)	0.062	0.057
89	7.42	0.37	0.119	(0.457)	0.062	0.057
90	7.50	0.37	0.119	(0.455)	0.062	0.057
91	7.58	0.40	0.130	(0.453)	0.067	0.062
92	7.67	0.40	0.130	(0.451)	0.067	0.062
93	7.75	0.40	0.130	(0.449)	0.067	0.062
94	7.83	0.43	0.140	(0.447)	0.073	0.067
95	7.92	0.43	0.140	(0.445)	0.073	0.067
96	8.00	0.43	0.140	(0.443)	0.073	0.067
97	8.08	0.50	0.162	(0.441)	0.084	0.078

98	8.17	0.50	0.162	(0.439)	0.084	0.078
99	8.25	0.50	0.162	(0.437)	0.084	0.078
100	8.33	0.50	0.162	(0.434)	0.084	0.078
101	8.42	0.50	0.162	(0.432)	0.084	0.078
102	8.50	0.50	0.162	(0.430)	0.084	0.078
103	8.58	0.53	0.173	(0.428)	0.090	0.083
104	8.67	0.53	0.173	(0.426)	0.090	0.083
105	8.75	0.53	0.173	(0.424)	0.090	0.083
106	8.83	0.57	0.184	(0.422)	0.095	0.088
107	8.92	0.57	0.184	(0.420)	0.095	0.088
108	9.00	0.57	0.184	(0.418)	0.095	0.088
109	9.08	0.63	0.205	(0.416)	0.107	0.098
110	9.17	0.63	0.205	(0.414)	0.107	0.098
111	9.25	0.63	0.205	(0.412)	0.107	0.098
112	9.33	0.67	0.216	(0.410)	0.112	0.104
113	9.42	0.67	0.216	(0.409)	0.112	0.104
114	9.50	0.67	0.216	(0.407)	0.112	0.104
115	9.58	0.70	0.227	(0.405)	0.118	0.109
116	9.67	0.70	0.227	(0.403)	0.118	0.109
117	9.75	0.70	0.227	(0.401)	0.118	0.109
118	9.83	0.73	0.238	(0.399)	0.124	0.114
119	9.92	0.73	0.238	(0.397)	0.124	0.114
120	10.00	0.73	0.238	(0.395)	0.124	0.114
121	10.08	0.50	0.162	(0.393)	0.084	0.078
122	10.17	0.50	0.162	(0.391)	0.084	0.078
123	10.25	0.50	0.162	(0.389)	0.084	0.078
124	10.33	0.50	0.162	(0.387)	0.084	0.078
125	10.42	0.50	0.162	(0.385)	0.084	0.078
126	10.50	0.50	0.162	(0.384)	0.084	0.078
127	10.58	0.67	0.216	(0.382)	0.112	0.104
128	10.67	0.67	0.216	(0.380)	0.112	0.104
129	10.75	0.67	0.216	(0.378)	0.112	0.104
130	10.83	0.67	0.216	(0.376)	0.112	0.104
131	10.92	0.67	0.216	(0.374)	0.112	0.104
132	11.00	0.67	0.216	(0.372)	0.112	0.104
133	11.08	0.63	0.205	(0.371)	0.107	0.098
134	11.17	0.63	0.205	(0.369)	0.107	0.098
135	11.25	0.63	0.205	(0.367)	0.107	0.098
136	11.33	0.63	0.205	(0.365)	0.107	0.098
137	11.42	0.63	0.205	(0.363)	0.107	0.098
138	11.50	0.63	0.205	(0.362)	0.107	0.098
139	11.58	0.57	0.184	(0.360)	0.095	0.088
140	11.67	0.57	0.184	(0.358)	0.095	0.088
141	11.75	0.57	0.184	(0.356)	0.095	0.088
142	11.83	0.60	0.194	(0.354)	0.101	0.093
143	11.92	0.60	0.194	(0.353)	0.101	0.093
144	12.00	0.60	0.194	(0.351)	0.101	0.093
145	12.08	0.83	0.270	(0.349)	0.140	0.130
146	12.17	0.83	0.270	(0.347)	0.140	0.130
147	12.25	0.83	0.270	(0.346)	0.140	0.130
148	12.33	0.87	0.281	(0.344)	0.146	0.135
149	12.42	0.87	0.281	(0.342)	0.146	0.135
150	12.50	0.87	0.281	(0.340)	0.146	0.135
151	12.58	0.93	0.302	(0.339)	0.157	0.145
152	12.67	0.93	0.302	(0.337)	0.157	0.145
153	12.75	0.93	0.302	(0.335)	0.157	0.145
154	12.83	0.97	0.313	(0.334)	0.163	0.150
155	12.92	0.97	0.313	(0.332)	0.163	0.150
156	13.00	0.97	0.313	(0.330)	0.163	0.150
157	13.08	1.13	0.367	(0.329)	0.191	0.176
158	13.17	1.13	0.367	(0.327)	0.191	0.176
159	13.25	1.13	0.367	(0.325)	0.191	0.176
160	13.33	1.13	0.367	(0.324)	0.191	0.176
161	13.42	1.13	0.367	(0.322)	0.191	0.176
162	13.50	1.13	0.367	(0.320)	0.191	0.176
163	13.58	0.77	0.248	(0.319)	0.129	0.119
164	13.67	0.77	0.248	(0.317)	0.129	0.119

165	13.75	0.77	0.248	(0.316)	0.129	0.119
166	13.83	0.77	0.248	(0.314)	0.129	0.119
167	13.92	0.77	0.248	(0.312)	0.129	0.119
168	14.00	0.77	0.248	(0.311)	0.129	0.119
169	14.08	0.90	0.292	(0.309)	0.152	0.140
170	14.17	0.90	0.292	(0.308)	0.152	0.140
171	14.25	0.90	0.292	(0.306)	0.152	0.140
172	14.33	0.87	0.281	(0.304)	0.146	0.135
173	14.42	0.87	0.281	(0.303)	0.146	0.135
174	14.50	0.87	0.281	(0.301)	0.146	0.135
175	14.58	0.87	0.281	(0.300)	0.146	0.135
176	14.67	0.87	0.281	(0.298)	0.146	0.135
177	14.75	0.87	0.281	(0.297)	0.146	0.135
178	14.83	0.83	0.270	(0.295)	0.140	0.130
179	14.92	0.83	0.270	(0.294)	0.140	0.130
180	15.00	0.83	0.270	(0.292)	0.140	0.130
181	15.08	0.80	0.259	(0.291)	0.135	0.124
182	15.17	0.80	0.259	(0.289)	0.135	0.124
183	15.25	0.80	0.259	(0.288)	0.135	0.124
184	15.33	0.77	0.248	(0.286)	0.129	0.119
185	15.42	0.77	0.248	(0.285)	0.129	0.119
186	15.50	0.77	0.248	(0.283)	0.129	0.119
187	15.58	0.63	0.205	(0.282)	0.107	0.098
188	15.67	0.63	0.205	(0.280)	0.107	0.098
189	15.75	0.63	0.205	(0.279)	0.107	0.098
190	15.83	0.63	0.205	(0.278)	0.107	0.098
191	15.92	0.63	0.205	(0.276)	0.107	0.098
192	16.00	0.63	0.205	(0.275)	0.107	0.098
193	16.08	0.13	0.043	(0.273)	0.022	0.021
194	16.17	0.13	0.043	(0.272)	0.022	0.021
195	16.25	0.13	0.043	(0.270)	0.022	0.021
196	16.33	0.13	0.043	(0.269)	0.022	0.021
197	16.42	0.13	0.043	(0.268)	0.022	0.021
198	16.50	0.13	0.043	(0.266)	0.022	0.021
199	16.58	0.10	0.032	(0.265)	0.017	0.016
200	16.67	0.10	0.032	(0.264)	0.017	0.016
201	16.75	0.10	0.032	(0.262)	0.017	0.016
202	16.83	0.10	0.032	(0.261)	0.017	0.016
203	16.92	0.10	0.032	(0.260)	0.017	0.016
204	17.00	0.10	0.032	(0.258)	0.017	0.016
205	17.08	0.17	0.054	(0.257)	0.028	0.026
206	17.17	0.17	0.054	(0.256)	0.028	0.026
207	17.25	0.17	0.054	(0.254)	0.028	0.026
208	17.33	0.17	0.054	(0.253)	0.028	0.026
209	17.42	0.17	0.054	(0.252)	0.028	0.026
210	17.50	0.17	0.054	(0.251)	0.028	0.026
211	17.58	0.17	0.054	(0.249)	0.028	0.026
212	17.67	0.17	0.054	(0.248)	0.028	0.026
213	17.75	0.17	0.054	(0.247)	0.028	0.026
214	17.83	0.13	0.043	(0.246)	0.022	0.021
215	17.92	0.13	0.043	(0.244)	0.022	0.021
216	18.00	0.13	0.043	(0.243)	0.022	0.021
217	18.08	0.13	0.043	(0.242)	0.022	0.021
218	18.17	0.13	0.043	(0.241)	0.022	0.021
219	18.25	0.13	0.043	(0.240)	0.022	0.021
220	18.33	0.13	0.043	(0.239)	0.022	0.021
221	18.42	0.13	0.043	(0.237)	0.022	0.021
222	18.50	0.13	0.043	(0.236)	0.022	0.021
223	18.58	0.10	0.032	(0.235)	0.017	0.016
224	18.67	0.10	0.032	(0.234)	0.017	0.016
225	18.75	0.10	0.032	(0.233)	0.017	0.016
226	18.83	0.07	0.022	(0.232)	0.011	0.010
227	18.92	0.07	0.022	(0.231)	0.011	0.010
228	19.00	0.07	0.022	(0.230)	0.011	0.010
229	19.08	0.10	0.032	(0.228)	0.017	0.016
230	19.17	0.10	0.032	(0.227)	0.017	0.016
231	19.25	0.10	0.032	(0.226)	0.017	0.016

232	19.33	0.13	0.043	(0.225)	0.022	0.021
233	19.42	0.13	0.043	(0.224)	0.022	0.021
234	19.50	0.13	0.043	(0.223)	0.022	0.021
235	19.58	0.10	0.032	(0.222)	0.017	0.016
236	19.67	0.10	0.032	(0.221)	0.017	0.016
237	19.75	0.10	0.032	(0.220)	0.017	0.016
238	19.83	0.07	0.022	(0.219)	0.011	0.010
239	19.92	0.07	0.022	(0.218)	0.011	0.010
240	20.00	0.07	0.022	(0.217)	0.011	0.010
241	20.08	0.10	0.032	(0.216)	0.017	0.016
242	20.17	0.10	0.032	(0.215)	0.017	0.016
243	20.25	0.10	0.032	(0.214)	0.017	0.016
244	20.33	0.10	0.032	(0.213)	0.017	0.016
245	20.42	0.10	0.032	(0.213)	0.017	0.016
246	20.50	0.10	0.032	(0.212)	0.017	0.016
247	20.58	0.10	0.032	(0.211)	0.017	0.016
248	20.67	0.10	0.032	(0.210)	0.017	0.016
249	20.75	0.10	0.032	(0.209)	0.017	0.016
250	20.83	0.07	0.022	(0.208)	0.011	0.010
251	20.92	0.07	0.022	(0.207)	0.011	0.010
252	21.00	0.07	0.022	(0.206)	0.011	0.010
253	21.08	0.10	0.032	(0.206)	0.017	0.016
254	21.17	0.10	0.032	(0.205)	0.017	0.016
255	21.25	0.10	0.032	(0.204)	0.017	0.016
256	21.33	0.07	0.022	(0.203)	0.011	0.010
257	21.42	0.07	0.022	(0.202)	0.011	0.010
258	21.50	0.07	0.022	(0.202)	0.011	0.010
259	21.58	0.10	0.032	(0.201)	0.017	0.016
260	21.67	0.10	0.032	(0.200)	0.017	0.016
261	21.75	0.10	0.032	(0.200)	0.017	0.016
262	21.83	0.07	0.022	(0.199)	0.011	0.010
263	21.92	0.07	0.022	(0.198)	0.011	0.010
264	22.00	0.07	0.022	(0.197)	0.011	0.010
265	22.08	0.10	0.032	(0.197)	0.017	0.016
266	22.17	0.10	0.032	(0.196)	0.017	0.016
267	22.25	0.10	0.032	(0.196)	0.017	0.016
268	22.33	0.07	0.022	(0.195)	0.011	0.010
269	22.42	0.07	0.022	(0.194)	0.011	0.010
270	22.50	0.07	0.022	(0.194)	0.011	0.010
271	22.58	0.07	0.022	(0.193)	0.011	0.010
272	22.67	0.07	0.022	(0.193)	0.011	0.010
273	22.75	0.07	0.022	(0.192)	0.011	0.010
274	22.83	0.07	0.022	(0.192)	0.011	0.010
275	22.92	0.07	0.022	(0.191)	0.011	0.010
276	23.00	0.07	0.022	(0.191)	0.011	0.010
277	23.08	0.07	0.022	(0.190)	0.011	0.010
278	23.17	0.07	0.022	(0.190)	0.011	0.010
279	23.25	0.07	0.022	(0.189)	0.011	0.010
280	23.33	0.07	0.022	(0.189)	0.011	0.010
281	23.42	0.07	0.022	(0.189)	0.011	0.010
282	23.50	0.07	0.022	(0.188)	0.011	0.010
283	23.58	0.07	0.022	(0.188)	0.011	0.010
284	23.67	0.07	0.022	(0.188)	0.011	0.010
285	23.75	0.07	0.022	(0.188)	0.011	0.010
286	23.83	0.07	0.022	(0.187)	0.011	0.010
287	23.92	0.07	0.022	(0.187)	0.011	0.010
288	24.00	0.07	0.022	(0.187)	0.011	0.010

(Loss Rate Not Used)

Sum = 100.0 Sum = 15.5

Flood volume = Effective rainfall 1.30(In)
times area 134.0(Ac.)/[(In)/(Ft.)] = 14.5(Ac.Ft)
Total soil loss = 1.40(In)
Total soil loss = 15.674(Ac.Ft)
Total rainfall = 2.70(In)
Flood volume = 630235.3 Cubic Feet
Total soil loss = 682754.9 Cubic Feet

Peak flow rate of this hydrograph = 23.531(CFS)

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0011	0.16	Q				
0+10	0.0061	0.73	Q				
0+15	0.0133	1.05	VQ				
0+20	0.0219	1.25	VQ				
0+25	0.0330	1.61	V Q				
0+30	0.0456	1.82	V Q				
0+35	0.0588	1.91	V Q				
0+40	0.0724	1.98	V Q				
0+45	0.0863	2.02	V Q				
0+50	0.1009	2.13	V Q				
0+55	0.1177	2.44	V Q				
1+ 0	0.1357	2.61	V Q				
1+ 5	0.1536	2.60	V Q				
1+10	0.1698	2.35	V Q				
1+15	0.1851	2.22	V Q				
1+20	0.2001	2.18	V Q				
1+25	0.2150	2.15	V Q				
1+30	0.2297	2.14	V Q				
1+35	0.2444	2.13	V Q				
1+40	0.2590	2.12	V Q				
1+45	0.2736	2.11	V Q				
1+50	0.2886	2.19	V Q				
1+55	0.3056	2.47	V Q				
2+ 0	0.3237	2.62	V Q				
2+ 5	0.3422	2.69	V Q				
2+10	0.3610	2.72	V Q				
2+15	0.3799	2.75	|V Q				
2+20	0.3989	2.77	|V Q				
2+25	0.4181	2.78	|V Q				
2+30	0.4373	2.79	|V Q				
2+35	0.4570	2.87	|V Q				
2+40	0.4788	3.16	|V Q				
2+45	0.5017	3.32	|V Q				
2+50	0.5251	3.39	|V Q				
2+55	0.5486	3.42	|V Q				
3+ 0	0.5724	3.45	|V Q				
3+ 5	0.5962	3.47	|V Q				
3+10	0.6202	3.48	|V Q				
3+15	0.6442	3.49	|V Q				
3+20	0.6683	3.49	|V Q				
3+25	0.6924	3.50	|V Q				
3+30	0.7165	3.50	|V Q				
3+35	0.7406	3.50	| V Q				
3+40	0.7647	3.50	| V Q				
3+45	0.7888	3.50	| V Q				
3+50	0.8135	3.58	| V Q				
3+55	0.8401	3.87	| V Q				
4+ 0	0.8678	4.02	| V Q				
4+ 5	0.8960	4.09	| V Q				
4+10	0.9244	4.12	| V Q				
4+15	0.9530	4.15	| V Q				
4+20	0.9822	4.24	| V Q				
4+25	1.0135	4.54	| V Q				
4+30	1.0459	4.71	| V Q				
4+35	1.0788	4.78	| V Q				
4+40	1.1121	4.82	| V Q				

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 4+45       1.1454      4.85  |  V  Q   |          |          |          |
 4+50       1.1795      4.94  |  V  Q   |          |          |          |
 4+55       1.2156      5.25  |  V  Q   |          |          |          |
 5+ 0       1.2529      5.41  |  V   Q  |          |          |          |
 5+ 5       1.2895      5.32  |  V   Q  |          |          |          |
 5+10       1.3225      4.79  |  V  Q   |          |          |          |
 5+15       1.3535      4.50  |  V  Q   |          |          |          |
 5+20       1.3843      4.47  |  V Q    |          |          |          |
 5+25       1.4167      4.70  |  V  Q   |          |          |          |
 5+30       1.4499      4.82  |   V Q   |          |          |          |
 5+35       1.4838      4.93  |   V Q   |          |          |          |
 5+40       1.5199      5.23  |   V Q   |          |          |          |
 5+45       1.5571      5.40  |   V  Q  |          |          |          |
 5+50       1.5947      5.47  |   V  Q  |          |          |          |
 5+55       1.6327      5.51  |   V  Q  |          |          |          |
 6+ 0       1.6708      5.54  |   V  Q  |          |          |          |
 6+ 5       1.7096      5.64  |   V  Q  |          |          |          |
 6+10       1.7505      5.94  |   V  Q  |          |          |          |
 6+15       1.7926      6.11  |   V   Q |          |          |          |
 6+20       1.8352      6.18  |    V  Q |          |          |          |
 6+25       1.8780      6.22  |    V  Q |          |          |          |
 6+30       1.9211      6.25  |    V  Q |          |          |          |
 6+35       1.9648      6.34  |    V  Q |          |          |          |
 6+40       2.0105      6.65  |    V  Q |          |          |          |
 6+45       2.0574      6.81  |    V   Q|          |          |          |
 6+50       2.1048      6.88  |    V   Q|          |          |          |
 6+55       2.1525      6.92  |    V   Q|          |          |          |
 7+ 0       2.2004      6.95  |     V  Q|          |          |          |
 7+ 5       2.2483      6.97  |     V  Q|          |          |          |
 7+10       2.2964      6.98  |     V  Q|          |          |          |
 7+15       2.3445      6.99  |     V  Q|          |          |          |
 7+20       2.3933      7.07  |     V  Q|          |          |          |
 7+25       2.4440      7.37  |     V  Q|          |          |          |
 7+30       2.4958      7.53  |     V   Q          |          |          |
 7+35       2.5486      7.67  |      V  Q          |          |          |
 7+40       2.6037      7.99  |      V  Q          |          |          |
 7+45       2.6600      8.17  |      V  Q          |          |          |
 7+50       2.7173      8.33  |      V  |Q         |          |          |
 7+55       2.7770      8.67  |      V  |Q         |          |          |
 8+ 0       2.8380      8.86  |      V  |Q         |          |          |
 8+ 5       2.9007      9.10  |       V | Q        |          |          |
 8+10       2.9678      9.73  |       V | Q        |          |          |
 8+15       3.0372     10.08  |       V |  Q       |          |          |
 8+20       3.1077     10.23  |       V |  Q       |          |          |
 8+25       3.1788     10.32  |       V |  Q       |          |          |
 8+30       3.2503     10.38  |       V |  Q       |          |          |
 8+35       3.3226     10.50  |        V|   Q      |          |          |
 8+40       3.3971     10.82  |        V|   Q      |          |          |
 8+45       3.4729     11.00  |        V|   Q      |          |          |
 8+50       3.5497     11.15  |        V|   Q      |          |          |
 8+55       3.6288     11.49  |         V    Q     |          |          |
 9+ 0       3.7092     11.68  |         V    Q     |          |          |
 9+ 5       3.7912     11.91  |         V    Q     |          |          |
 9+10       3.8776     12.54  |         V     Q    |          |          |
 9+15       3.9663     12.88  |         V      Q   |          |          |
 9+20       4.0566     13.11  |         |V     Q   |          |          |
 9+25       4.1495     13.49  |         |V     Q   |          |          |
 9+30       4.2439     13.71  |         |V      Q  |          |          |
 9+35       4.3396     13.89  |         |V      Q  |          |          |
 9+40       4.4377     14.25  |         | V     Q  |          |          |
 9+45       4.5372     14.45  |         | V      Q|          |          |
 9+50       4.6378     14.62  |         | V      Q|          |          |
 9+55       4.7409     14.97  |         |  V     Q|          |          |
10+ 0       4.8453     15.16  |         |  V      Q          |          |
10+ 5       4.9466     14.70  |         |  V     Q|          |          |
10+10       5.0343     12.74  |         |  V  Q   |          |          |
10+15       5.1147     11.67  |         |   VQ    |          |          |
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10+20       5.1923     11.26  |          |   VQ     |          |          |
10+25       5.2681     11.02  |          |   Q      |          |          |
10+30       5.3429     10.86  |          |   Q      |          |          |
10+35       5.4196     11.14  |          |   Q      |          |          |
10+40       5.5057     12.50  |          |    VQ    |          |          |
10+45       5.5968     13.22  |          |    V Q   |          |          |
10+50       5.6897     13.49  |          |    V Q   |          |          |
10+55       5.7836     13.64  |          |    V  Q  |          |          |
11+ 0       5.8782     13.74  |          |     V Q  |          |          |
11+ 5       5.9729     13.75  |          |     V Q  |          |          |
11+10       6.0660     13.52  |          |     V Q  |          |          |
11+15       6.1584     13.41  |          |      Q   |          |          |
11+20       6.2505     13.38  |          |      Q   |          |          |
11+25       6.3426     13.37  |          |      Q   |          |          |
11+30       6.4346     13.36  |          |      Q   |          |          |
11+35       6.5254     13.18  |          |      QV  |          |          |
11+40       6.6121     12.59  |          |     Q V  |          |          |
11+45       6.6967     12.27  |          |     Q V  |          |          |
11+50       6.7808     12.22  |          |     Q V  |          |          |
11+55       6.8664     12.43  |          |     Q V  |          |          |
12+ 0       6.9527     12.53  |          |     Q  V |          |          |
12+ 5       7.0430     13.11  |          |      Q V |          |          |
12+10       7.1473     15.14  |          |        VQ          |          |
12+15       7.2592     16.25  |          |         VQ         |          |
12+20       7.3746     16.76  |          |         V Q        |          |
12+25       7.4939     17.31  |          |         V  Q       |          |
12+30       7.6154     17.65  |          |          V Q       |          |
12+35       7.7393     17.99  |          |          V Q       |          |
12+40       7.8681     18.70  |          |          V  Q      |          |
12+45       7.9996     19.10  |          |           V  Q     |          |
12+50       8.1330     19.36  |          |           V  Q     |          |
12+55       8.2692     19.78  |          |           V   Q    |          |
13+ 0       8.4070     20.01  |          |            V  Q    |          |
13+ 5       8.5482     20.50  |          |            V   Q   |          |
13+10       8.6998     22.01  |          |             V    Q |          |
13+15       8.8571     22.84  |          |             V     Q          |
13+20       9.0168     23.18  |          |             V     Q          |
13+25       9.1779     23.39  |          |              V    |Q         |
13+30       9.3400     23.53  |          |              V    |Q         |
13+35       9.4967     22.76  |          |               V   Q          |
13+40       9.6321     19.66  |          |               Q   |          |
13+45       9.7559     17.98  |          |            Q  V   |          |
13+50       9.8753     17.33  |          |            Q   V  |          |
13+55       9.9919     16.94  |          |           Q    V  |          |
14+ 0      10.1069     16.69  |          |           Q    V  |          |
14+ 5      10.2227     16.81  |          |           Q     V |          |
14+10      10.3454     17.83  |          |            Q    V |          |
14+15      10.4719     18.36  |          |             Q   V |          |
14+20      10.5990     18.46  |          |             Q    V|          |
14+25      10.7248     18.26  |          |             Q    V|          |
14+30      10.8499     18.17  |          |             Q    V|          |
14+35      10.9751     18.18  |          |             Q     V          |
14+40      11.1004     18.19  |          |             Q     V          |
14+45      11.2258     18.20  |          |             Q     |V         |
14+50      11.3506     18.13  |          |             Q     |V         |
14+55      11.4736     17.85  |          |            Q      |V         |
15+ 0      11.5955     17.70  |          |            Q      | V        |
15+ 5      11.7163     17.55  |          |            Q      | V        |
15+10      11.8349     17.22  |          |           Q       | V        |
15+15      11.9523     17.04  |          |           Q       |  V       |
15+20      12.0685     16.88  |          |           Q       |  V       |
15+25      12.1824     16.54  |          |           Q       |  V       |
15+30      12.2950     16.35  |          |          Q        |  V       |
15+35      12.4049     15.95  |          |          Q        |   V      |
15+40      12.5064     14.74  |          |        Q|         |   V      |
15+45      12.6034     14.08  |          |       Q |         |   V      |
15+50      12.6985     13.81  |          |       Q |         |    V     |
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15+55      12.7924     13.64  |          |        Q |          |    V     |
16+ 0      12.8856     13.53  |          |        Q |          |    V     |
16+ 5      12.9702     12.28  |          |     Q    |          |    V     |
16+10      13.0246      7.90  |          Q          |          |     V    |
16+15      13.0625      5.51  |       Q  |          |          |     V    |
16+20      13.0939      4.56  |      Q   |          |          |     V    |
16+25      13.1213      3.97  |     Q    |          |          |     V    |
16+30      13.1460      3.59  |    Q     |          |          |     V    |
16+35      13.1685      3.26  |    Q     |          |          |     V    |
16+40      13.1877      2.78  |   Q      |          |          |     V    |
16+45      13.2048      2.49  |   Q      |          |          |     V    |
16+50      13.2209      2.34  |   Q      |          |          |     V    |
16+55      13.2362      2.22  |  Q       |          |          |     V    |
17+ 0      13.2510      2.15  |  Q       |          |          |     V    |
17+ 5      13.2668      2.29  |   Q      |          |          |     V    |
17+10      13.2865      2.86  |   Q      |          |          |     V    |
17+15      13.3083      3.16  |    Q     |          |          |     V    |
17+20      13.3309      3.28  |    Q     |          |          |     V    |
17+25      13.3539      3.35  |    Q     |          |          |     V    |
17+30      13.3773      3.40  |    Q     |          |          |     V    |
17+35      13.4010      3.43  |    Q     |          |          |      V   |
17+40      13.4247      3.45  |    Q     |          |          |      V   |
17+45      13.4487      3.47  |    Q     |          |          |      V   |
17+50      13.4721      3.41  |    Q     |          |          |      V   |
17+55      13.4937      3.13  |    Q     |          |          |      V   |
18+ 0      13.5142      2.98  |   Q      |          |          |      V   |
18+ 5      13.5343      2.92  |   Q      |          |          |      V   |
18+10      13.5541      2.88  |   Q      |          |          |      V   |
18+15      13.5737      2.85  |   Q      |          |          |      V   |
18+20      13.5933      2.84  |   Q      |          |          |      V   |
18+25      13.6127      2.82  |   Q      |          |          |      V   |
18+30      13.6321      2.82  |   Q      |          |          |      V   |
18+35      13.6509      2.73  |   Q      |          |          |      V   |
18+40      13.6677      2.44  |   Q      |          |          |      V   |
18+45      13.6834      2.28  |   Q      |          |          |      V   |
18+50      13.6981      2.14  |  Q       |          |          |      V   |
18+55      13.7106      1.81  |  Q       |          |          |      V   |
19+ 0      13.7218      1.63  |  Q       |          |          |      V   |
19+ 5      13.7330      1.63  |  Q       |          |          |      V   |
19+10      13.7459      1.87  |  Q       |          |          |       V  |
19+15      13.7596      1.99  |  Q       |          |          |       V  |
19+20      13.7741      2.11  |  Q       |          |          |       V  |
19+25      13.7908      2.42  |   Q      |          |          |       V  |
19+30      13.8086      2.59  |   Q      |          |          |       V  |
19+35      13.8264      2.58  |   Q      |          |          |       V  |
19+40      13.8424      2.34  |   Q      |          |          |       V  |
19+45      13.8577      2.21  |  Q       |          |          |       V  |
19+50      13.8721      2.09  |  Q       |          |          |       V  |
19+55      13.8844      1.79  |  Q       |          |          |       V  |
20+ 0      13.8955      1.62  |  Q       |          |          |       V  |
20+ 5      13.9067      1.62  |  Q       |          |          |       V  |
20+10      13.9195      1.86  |  Q       |          |          |       V  |
20+15      13.9332      1.99  |  Q       |          |          |       V  |
20+20      13.9472      2.03  |  Q       |          |          |       V  |
20+25      13.9613      2.05  |  Q       |          |          |       V  |
20+30      13.9755      2.06  |  Q       |          |          |       V  |
20+35      13.9898      2.07  |  Q       |          |          |       V  |
20+40      14.0041      2.08  |  Q       |          |          |       V  |
20+45      14.0185      2.09  |  Q       |          |          |       V  |
20+50      14.0324      2.01  |  Q       |          |          |       V  |
20+55      14.0443      1.73  |  Q       |          |          |       V  |
21+ 0      14.0552      1.58  |  Q       |          |          |       V  |
21+ 5      14.0661      1.59  |  Q       |          |          |       V  |
21+10      14.0788      1.84  |  Q       |          |          |       V  |
21+15      14.0925      1.98  |  Q       |          |          |       V  |
21+20      14.1058      1.94  |  Q       |          |          |       V  |
21+25      14.1174      1.68  |  Q       |          |          |        V |
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   21+30      14.1280      1.54  | Q       |         |         |        V|
   21+35      14.1388      1.57  | Q       |         |         |        V|
   21+40      14.1514      1.82  | Q       |         |         |        V|
   21+45      14.1649      1.96  | Q       |         |         |        V|
   21+50      14.1782      1.94  | Q       |         |         |        V|
   21+55      14.1898      1.68  | Q       |         |         |        V|
   22+ 0      14.2004      1.54  | Q       |         |         |        V|
   22+ 5      14.2111      1.57  | Q       |         |         |        V|
   22+10      14.2237      1.82  | Q       |         |         |        V|
   22+15      14.2372      1.96  | Q       |         |         |        V|
   22+20      14.2506      1.94  | Q       |         |         |        V|
   22+25      14.2621      1.68  | Q       |         |         |        V|
   22+30      14.2727      1.54  | Q       |         |         |        V|
   22+35      14.2829      1.49  |Q        |         |         |        V|
   22+40      14.2930      1.46  |Q        |         |         |        V|
   22+45      14.3029      1.44  |Q        |         |         |        V|
   22+50      14.3127      1.43  |Q        |         |         |        V|
   22+55      14.3225      1.42  |Q        |         |         |        V|
   23+ 0      14.3323      1.41  |Q        |         |         |        V|
   23+ 5      14.3420      1.41  |Q        |         |         |        V|
   23+10      14.3516      1.40  |Q        |         |         |        V|
   23+15      14.3613      1.40  |Q        |         |         |        V|
   23+20      14.3709      1.40  |Q        |         |         |        V|
   23+25      14.3806      1.40  |Q        |         |         |        V|
   23+30      14.3902      1.40  |Q        |         |         |        V|
   23+35      14.3999      1.40  |Q        |         |         |        V|
   23+40      14.4095      1.40  |Q        |         |         |        V|
   23+45      14.4191      1.40  |Q        |         |         |        V|
   23+50      14.4288      1.40  |Q        |         |         |        V|
   23+55      14.4384      1.40  |Q        |         |         |        V|
   24+ 0      14.4481      1.40  |Q        |         |         |        V|
   24+ 5      14.4566      1.24  |Q        |         |         |        V|
   24+10      14.4612      0.67  Q         |         |         |        V|
   24+15      14.4637      0.35  Q         |         |         |        V|
   24+20      14.4653      0.23  Q         |         |         |        V|
   24+25      14.4663      0.15  Q         |         |         |        V|
   24+30      14.4670      0.11  Q         |         |         |        V|
   24+35      14.4675      0.07  Q         |         |         |        V|
   24+40      14.4679      0.05  Q         |         |         |        V|
   24+45      14.4681      0.03  Q         |         |         |        V|
   24+50      14.4682      0.02  Q         |         |         |        V|
   24+55      14.4682      0.01  Q         |         |         |         V
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/15/21 File: RVPRB110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN B- PROPOSED UNIT HYDROGRAPH
10YR-1HR STORM

Drainage Area = 134.00(Ac.) = 0.209 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 134.00(Ac.) = 0.209 Sq. Mi.
Length along longest watercourse = 6289.00(Ft.)
Length along longest watercourse measured to centroid = 4365.00(Ft.)
Length along longest watercourse = 1.191 Mi.
Length along longest watercourse measured to centroid = 0.827 Mi.
Difference in elevation = 458.00(Ft.)
Slope along watercourse = 384.5190 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.116 Hr.
Lag time = 6.93 Min.
25% of lag time = 1.73 Min.
40% of lag time = 2.77 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	0.55	73.70

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	1.30	174.20

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 0.859(In)
Areal adjustment factor = 99.88 %
Adjusted average point rain = 0.858(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
134.000	61.70	0.475

Total Area Entered = 134.00(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      61.7  61.7      0.452     0.475        0.259       1.000      0.259
                                                        Sum (F) =   0.259
      Area averaged mean soil loss (F) (In/Hr) =  0.144
      Minimum soil loss rate ((In/Hr)) =  0.072
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.520
      ------------------------------------------------------------------
      Slope of intensity-duration curve for a 1 hour storm =0.5500
      ------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %           (CFS)
      ------------------------------------------------------------------
          1   0.083         72.144         11.178             15.096
          2   0.167        144.287         41.178             55.609
          3   0.250        216.431         22.417             30.274
          4   0.333        288.574          8.822             11.914
          5   0.417        360.718          5.359              7.238
          6   0.500        432.861          3.514              4.745
          7   0.583        505.005          2.394              3.232
          8   0.667        577.148          1.821              2.459
          9   0.750        649.292          1.287              1.739
         10   0.833        721.435          0.883              1.192
         11   0.917        793.579          0.721              0.974
         12   1.000        865.722          0.425              0.574
                                   Sum = 100.000   Sum=     135.047
----------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
   1   0.08     3.30      0.340          0.144    (  0.177)        0.196
   2   0.17     4.20      0.432          0.144    (  0.225)        0.288
   3   0.25     4.40      0.453          0.144    (  0.235)        0.309
   4   0.33     4.80      0.494          0.144    (  0.257)        0.350
   5   0.42     5.20      0.535          0.144    (  0.278)        0.391
   6   0.50     6.20      0.638          0.144    (  0.332)        0.494
   7   0.58     6.80      0.700          0.144    (  0.364)        0.556
   8   0.67     8.80      0.906          0.144    (  0.471)        0.762
   9   0.75    13.90      1.430          0.144    (  0.744)        1.286
  10   0.83    31.40      3.231          0.144    (  1.680)        3.087
  11   0.92     7.20      0.741          0.144    (  0.385)        0.597
  12   1.00     3.80      0.391          0.144    (  0.203)        0.247
            (Loss Rate Not Used)
     Sum =     100.0                                  Sum =     8.6
      Flood volume = Effective rainfall      0.71(In)
       times area     134.0(Ac.)/[(In)/(Ft.)] =       8.0(Ac.Ft)
      Total soil loss =      0.14(In)
      Total soil loss =     1.608(Ac.Ft)
      Total rainfall =      0.86(In)
      Flood volume =      347060.6 Cubic Feet
      Total soil loss =       70051.1 Cubic Feet
      ------------------------------------------------------------------
       Peak flow rate of this hydrograph =    238.381(CFS)
      ------------------------------------------------------------------
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        1 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
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Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	75.0	150.0	225.0	300.0
0+ 5	0.0203	2.95	Q				
0+10	0.1253	15.23	V Q				
0+15	0.3086	26.62	|V Q				
0+20	0.5395	33.52	| V Q				
0+25	0.8120	39.58	| VQ				
0+30	1.1324	46.51	| VQ				
0+35	1.5190	56.13	| Q				
0+40	1.9835	67.46	| QV|				
0+45	2.6107	91.06	| | QV				
0+50	3.6847	155.95	| | V Q				
0+55	5.3264	238.38	| | | V	|Q		
1+ 0	6.4136	157.86	| | |Q	| V		
1+ 5	7.0068	86.13	| |Q	| | V		
1+10	7.3424	48.73	| Q |	| | V		
1+15	7.5497	30.09	| Q |	| | V		
1+20	7.6906	20.46	| Q |	| | V		
1+25	7.7917	14.67	|Q |	| | V		
1+30	7.8622	10.23	|Q |	| | V		
1+35	7.9105	7.02	Q |	| | V		
1+40	7.9442	4.89	Q |	| | V		
1+45	7.9624	2.65	Q |	| | V		
1+50	7.9664	0.58	Q |	| | V		
1+55	7.9674	0.14	Q |	| | V		

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/15/21 File: RVPRB310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN B- PROPOSED UNIT HYDROGRAPH
10YR-3HR STORM

Drainage Area = 134.00(Ac.) = 0.209 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 134.00(Ac.) = 0.209 Sq. Mi.
Length along longest watercourse = 6289.00(Ft.)
Length along longest watercourse measured to centroid = 4365.00(Ft.)
Length along longest watercourse = 1.191 Mi.
Length along longest watercourse measured to centroid = 0.827 Mi.
Difference in elevation = 458.00(Ft.)
Slope along watercourse = 384.5190 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.116 Hr.
Lag time = 6.93 Min.
25% of lag time = 1.73 Min.
40% of lag time = 2.77 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	1.10	147.40

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	2.00	268.00

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 1.470(In)
Areal adjustment factor = 99.94 %
Adjusted average point rain = 1.469(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
134.000	61.70	0.475

Total Area Entered = 134.00(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      61.7  61.7      0.452     0.475        0.259       1.000      0.259
                                                        Sum (F) =   0.259
      Area averaged mean soil loss (F) (In/Hr) =  0.144
      Minimum soil loss rate ((In/Hr)) =  0.072
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.520
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
              1   0.083         72.144         11.178             15.096
              2   0.167        144.287         41.178             55.609
              3   0.250        216.431         22.417             30.274
              4   0.333        288.574          8.822             11.914
              5   0.417        360.718          5.359              7.238
              6   0.500        432.861          3.514              4.745
              7   0.583        505.005          2.394              3.232
              8   0.667        577.148          1.821              2.459
              9   0.750        649.292          1.287              1.739
             10   0.833        721.435          0.883              1.192
             11   0.917        793.579          0.721              0.974
             12   1.000        865.722          0.425              0.574
                                        Sum = 100.000   Sum=     135.047
    ------------------------------------------------------------------------

     The following loss rate calculations reflect use of the minimum calculated loss
     rate subtracted from the Storm Rain to produce the maximum Effective Rain value

      Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
           (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
       1   0.08     1.30      0.229       (  0.144)       0.119        0.110
       2   0.17     1.30      0.229       (  0.144)       0.119        0.110
       3   0.25     1.10      0.194       (  0.144)       0.101        0.093
       4   0.33     1.50      0.264       (  0.144)       0.138        0.127
       5   0.42     1.50      0.264       (  0.144)       0.138        0.127
       6   0.50     1.80      0.317          0.144    (  0.165)        0.173
       7   0.58     1.50      0.264       (  0.144)       0.138        0.127
       8   0.67     1.80      0.317          0.144    (  0.165)        0.173
       9   0.75     1.80      0.317          0.144    (  0.165)        0.173
      10   0.83     1.50      0.264       (  0.144)       0.138        0.127
      11   0.92     1.60      0.282          0.144    (  0.147)        0.138
      12   1.00     1.80      0.317          0.144    (  0.165)        0.173
      13   1.08     2.20      0.388          0.144    (  0.202)        0.244
      14   1.17     2.20      0.388          0.144    (  0.202)        0.244
      15   1.25     2.20      0.388          0.144    (  0.202)        0.244
      16   1.33     2.00      0.353          0.144    (  0.183)        0.209
      17   1.42     2.60      0.458          0.144    (  0.238)        0.314
      18   1.50     2.70      0.476          0.144    (  0.248)        0.332
      19   1.58     2.40      0.423          0.144    (  0.220)        0.279
      20   1.67     2.70      0.476          0.144    (  0.248)        0.332
      21   1.75     3.30      0.582          0.144    (  0.303)        0.438
      22   1.83     3.10      0.547          0.144    (  0.284)        0.403
      23   1.92     2.90      0.511          0.144    (  0.266)        0.367
      24   2.00     3.00      0.529          0.144    (  0.275)        0.385
      25   2.08     3.10      0.547          0.144    (  0.284)        0.403
      26   2.17     4.20      0.741          0.144    (  0.385)        0.597
      27   2.25     5.00      0.882          0.144    (  0.458)        0.738
      28   2.33     3.50      0.617          0.144    (  0.321)        0.473
      29   2.42     6.80      1.199          0.144    (  0.623)        1.055
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30   2.50     7.30      1.287          0.144    (  0.669)        1.143
31   2.58     8.20      1.446          0.144    (  0.752)        1.302
32   2.67     5.90      1.040          0.144    (  0.541)        0.896
33   2.75     2.00      0.353          0.144    (  0.183)        0.209
34   2.83     1.80      0.317          0.144    (  0.165)        0.173
35   2.92     1.80      0.317          0.144    (  0.165)        0.173
36   3.00     0.60      0.106       (  0.144)       0.055        0.051
           (Loss Rate Not Used)
   Sum =     100.0                                   Sum =    12.7
     Flood volume = Effective rainfall      1.05(In)
      times area     134.0(Ac.)/[(In)/(Ft.)] =      11.8(Ac.Ft)
     Total soil loss =      0.41(In)
     Total soil loss =     4.631(Ac.Ft)
     Total rainfall =      1.47(In)
     Flood volume =      513013.8 Cubic Feet
     Total soil loss =      201734.4 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     144.775(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        3 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       50.0     100.0     150.0     200.0
-------------------------------------------------------------------------
  0+ 5       0.0114      1.66  Q         |         |         |         |
  0+10       0.0651      7.78  VQ        |         |         |         |
  0+15       0.1399     10.86  V Q       |         |         |         |
  0+20       0.2207     11.74  V Q       |         |         |         |
  0+25       0.3165     13.91  |VQ       |         |         |         |
  0+30       0.4264     15.96  |V Q      |         |         |         |
  0+35       0.5536     18.48  |V Q      |         |         |         |
  0+40       0.6806     18.44  | VQ      |         |         |         |
  0+45       0.8215     20.46  | V Q     |         |         |         |
  0+50       0.9672     21.15  |  VQ     |         |         |         |
  0+55       1.1003     19.33  |  Q      |         |         |         |
  1+ 0       1.2343     19.45  |  QV     |         |         |         |
  1+ 5       1.3890     22.47  |   Q     |         |         |         |
  1+10       1.5777     27.40  |    Q    |         |         |         |
  1+15       1.7838     29.92  |    QV   |         |         |         |
  1+20       1.9936     30.46  |     Q   |         |         |         |
  1+25       2.2053     30.73  |     QV  |         |         |         |
  1+30       2.4548     36.23  |      QV |         |         |         |
  1+35       2.7269     39.50  |      Q V|         |         |         |
  1+40       2.9962     39.10  |      Q  V         |         |         |
  1+45       3.2923     43.00  |       Q |V        |         |         |
  1+50       3.6364     49.97  |        Q| V       |         |         |
  1+55       3.9901     51.35  |         Q  V      |         |         |
  2+ 0       4.3363     50.28  |         Q   V     |         |         |
  2+ 5       4.6880     51.07  |         Q    V    |         |         |
  2+10       5.0703     55.50  |         |Q     V  |         |         |
  2+15       5.5471     69.23  |         |  Q    V |         |         |
  2+20       6.0938     79.38  |         |    Q    V         |         |
  2+25       6.6465     80.26  |         |     Q   | V       |         |
  2+30       7.3984    109.18  |         |         |Q   V    |         |
  2+35       8.3145    133.02  |         |         |     Q V |         |
  2+40       9.3116    144.77  |         |         |       Q |V        |
  2+45      10.1489    121.57  |         |         |   Q     |   V     |
  2+50      10.6697     75.63  |         |    Q    |         |     V   |
  2+55      11.0231     51.31  |         Q         |         |      V  |
  3+ 0      11.2960     39.63  |       Q |         |         |       V |
  3+ 5      11.4778     26.39  |     Q   |         |         |       V |
  3+10      11.5886     16.08  |  Q      |         |         |        V|
  3+15      11.6609     10.49  | Q       |         |         |        V|
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    3+20      11.7097      7.10  |Q        |         |         |        V|
    3+25      11.7413      4.59  Q         |         |         |        V|
    3+30      11.7604      2.76  Q         |         |         |        V|
    3+35      11.7697      1.35  Q         |         |         |        V|
    3+40      11.7737      0.58  Q         |         |         |        V|
    3+45      11.7759      0.33  Q         |         |         |        V|
    3+50      11.7770      0.15  Q         |         |         |        V|
    3+55      11.7772      0.03  Q         |         |         |         V
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/15/21 File: RVPRB610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN B- PROPOSED UNIT HYDROGRAPH
10YR-6HR STORM

Drainage Area = 134.00(Ac.) = 0.209 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 134.00(Ac.) = 0.209 Sq. Mi.
Length along longest watercourse = 6289.00(Ft.)
Length along longest watercourse measured to centroid = 4365.00(Ft.)
Length along longest watercourse = 1.191 Mi.
Length along longest watercourse measured to centroid = 0.827 Mi.
Difference in elevation = 458.00(Ft.)
Slope along watercourse = 384.5190 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.116 Hr.
Lag time = 6.93 Min.
25% of lag time = 1.73 Min.
40% of lag time = 2.77 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	1.60	214.40

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	3.00	402.00

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 2.176(In)
Areal adjustment factor = 99.95 %
Adjusted average point rain = 2.175(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
134.000	61.70	0.475

Total Area Entered = 134.00(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
61.7	61.7	0.452	0.475	0.259	1.000	0.259
					Sum (F) =	0.259

Area averaged mean soil loss (F) (In/Hr) = 0.144
Minimum soil loss rate ((In/Hr)) = 0.072
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) = 0.520

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	72.144	11.178	15.096
2	0.167	144.287	41.178	55.609
3	0.250	216.431	22.417	30.274
4	0.333	288.574	8.822	11.914
5	0.417	360.718	5.359	7.238
6	0.500	432.861	3.514	4.745
7	0.583	505.005	2.394	3.232
8	0.667	577.148	1.821	2.459
9	0.750	649.292	1.287	1.739
10	0.833	721.435	0.883	1.192
11	0.917	793.579	0.721	0.974
12	1.000	865.722	0.425	0.574
		Sum = 100.000	Sum=	135.047

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.50	0.130	(0.144)		0.068	0.063
2	0.17	0.60	0.157	(0.144)		0.081	0.075
3	0.25	0.60	0.157	(0.144)		0.081	0.075
4	0.33	0.60	0.157	(0.144)		0.081	0.075
5	0.42	0.60	0.157	(0.144)		0.081	0.075
6	0.50	0.70	0.183	(0.144)		0.095	0.088
7	0.58	0.70	0.183	(0.144)		0.095	0.088
8	0.67	0.70	0.183	(0.144)		0.095	0.088
9	0.75	0.70	0.183	(0.144)		0.095	0.088
10	0.83	0.70	0.183	(0.144)		0.095	0.088
11	0.92	0.70	0.183	(0.144)		0.095	0.088
12	1.00	0.80	0.209	(0.144)		0.109	0.100
13	1.08	0.80	0.209	(0.144)		0.109	0.100
14	1.17	0.80	0.209	(0.144)		0.109	0.100
15	1.25	0.80	0.209	(0.144)		0.109	0.100
16	1.33	0.80	0.209	(0.144)		0.109	0.100
17	1.42	0.80	0.209	(0.144)		0.109	0.100
18	1.50	0.80	0.209	(0.144)		0.109	0.100
19	1.58	0.80	0.209	(0.144)		0.109	0.100
20	1.67	0.80	0.209	(0.144)		0.109	0.100
21	1.75	0.80	0.209	(0.144)		0.109	0.100
22	1.83	0.80	0.209	(0.144)		0.109	0.100
23	1.92	0.80	0.209	(0.144)		0.109	0.100
24	2.00	0.90	0.235	(0.144)		0.122	0.113
25	2.08	0.80	0.209	(0.144)		0.109	0.100
26	2.17	0.90	0.235	(0.144)		0.122	0.113
27	2.25	0.90	0.235	(0.144)		0.122	0.113
28	2.33	0.90	0.235	(0.144)		0.122	0.113
29	2.42	0.90	0.235	(0.144)		0.122	0.113
30	2.50	0.90	0.235	(0.144)		0.122	0.113
31	2.58	0.90	0.235	(0.144)		0.122	0.113

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32   2.67     0.90      0.235       (  0.144)       0.122        0.113
33   2.75     1.00      0.261       (  0.144)       0.136        0.125
34   2.83     1.00      0.261       (  0.144)       0.136        0.125
35   2.92     1.00      0.261       (  0.144)       0.136        0.125
36   3.00     1.00      0.261       (  0.144)       0.136        0.125
37   3.08     1.00      0.261       (  0.144)       0.136        0.125
38   3.17     1.10      0.287          0.144    (  0.149)        0.143
39   3.25     1.10      0.287          0.144    (  0.149)        0.143
40   3.33     1.10      0.287          0.144    (  0.149)        0.143
41   3.42     1.20      0.313          0.144    (  0.163)        0.169
42   3.50     1.30      0.339          0.144    (  0.176)        0.195
43   3.58     1.40      0.365          0.144    (  0.190)        0.221
44   3.67     1.40      0.365          0.144    (  0.190)        0.221
45   3.75     1.50      0.391          0.144    (  0.204)        0.247
46   3.83     1.50      0.391          0.144    (  0.204)        0.247
47   3.92     1.60      0.418          0.144    (  0.217)        0.274
48   4.00     1.60      0.418          0.144    (  0.217)        0.274
49   4.08     1.70      0.444          0.144    (  0.231)        0.300
50   4.17     1.80      0.470          0.144    (  0.244)        0.326
51   4.25     1.90      0.496          0.144    (  0.258)        0.352
52   4.33     2.00      0.522          0.144    (  0.271)        0.378
53   4.42     2.10      0.548          0.144    (  0.285)        0.404
54   4.50     2.10      0.548          0.144    (  0.285)        0.404
55   4.58     2.20      0.574          0.144    (  0.299)        0.430
56   4.67     2.30      0.600          0.144    (  0.312)        0.456
57   4.75     2.40      0.626          0.144    (  0.326)        0.482
58   4.83     2.40      0.626          0.144    (  0.326)        0.482
59   4.92     2.50      0.652          0.144    (  0.339)        0.508
60   5.00     2.60      0.679          0.144    (  0.353)        0.535
61   5.08     3.10      0.809          0.144    (  0.421)        0.665
62   5.17     3.60      0.940          0.144    (  0.489)        0.796
63   5.25     3.90      1.018          0.144    (  0.529)        0.874
64   5.33     4.20      1.096          0.144    (  0.570)        0.952
65   5.42     4.70      1.227          0.144    (  0.638)        1.083
66   5.50     5.60      1.462          0.144    (  0.760)        1.318
67   5.58     1.90      0.496          0.144    (  0.258)        0.352
68   5.67     0.90      0.235       (  0.144)       0.122        0.113
69   5.75     0.60      0.157       (  0.144)       0.081        0.075
70   5.83     0.50      0.130       (  0.144)       0.068        0.063
71   5.92     0.30      0.078       (  0.144)       0.041        0.038
72   6.00     0.20      0.052       (  0.144)       0.027        0.025
            (Loss Rate Not Used)
   Sum =     100.0                                   Sum =    17.4
     Flood volume = Effective rainfall      1.45(In)
      times area     134.0(Ac.)/[(In)/(Ft.)] =      16.2(Ac.Ft)
     Total soil loss =      0.72(In)
     Total soil loss =     8.087(Ac.Ft)
     Total rainfall =      2.17(In)
     Flood volume =      705677.9 Cubic Feet
     Total soil loss =      352270.5 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =    138.529(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       50.0     100.0     150.0     200.0
-------------------------------------------------------------------------
  0+ 5       0.0065      0.95  Q         |         |         |         |
  0+10       0.0383      4.62  Q         |         |         |         |
  0+15       0.0880      7.21  VQ        |         |         |         |
  0+20       0.1455      8.34  VQ        |         |         |         |
  0+25       0.2071      8.94  VQ        |         |         |         |
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0+30       0.2726      9.52  VQ        |         |         |         |
0+35       0.3448     10.48  V Q       |         |         |         |
0+40       0.4209     11.05  |VQ       |         |         |         |
0+45       0.4991     11.34  |VQ       |         |         |         |
0+50       0.5785     11.53  |VQ       |         |         |         |
0+55       0.6588     11.67  |VQ       |         |         |         |
1+ 0       0.7411     11.94  |VQ       |         |         |         |
1+ 5       0.8284     12.68  | Q       |         |         |         |
1+10       0.9185     13.08  | Q       |         |         |         |
1+15       1.0097     13.24  | Q       |         |         |         |
1+20       1.1016     13.35  | Q       |         |         |         |
1+25       1.1940     13.41  | Q       |         |         |         |
1+30       1.2867     13.45  | QV      |         |         |         |
1+35       1.3796     13.49  | QV      |         |         |         |
1+40       1.4726     13.51  | QV      |         |         |         |
1+45       1.5657     13.52  | QV      |         |         |         |
1+50       1.6589     13.53  | Q V     |         |         |         |
1+55       1.7522     13.54  | Q V     |         |         |         |
2+ 0       1.8468     13.73  | Q V     |         |         |         |
2+ 5       1.9448     14.24  | Q V     |         |         |         |
2+10       2.0420     14.11  | Q  V    |         |         |         |
2+15       2.1424     14.58  | Q  V    |         |         |         |
2+20       2.2450     14.90  | Q  V    |         |         |         |
2+25       2.3484     15.02  |  Q V    |         |         |         |
2+30       2.4523     15.09  |  Q  V   |         |         |         |
2+35       2.5566     15.14  |  Q  V   |         |         |         |
2+40       2.6611     15.17  |  Q  V   |         |         |         |
2+45       2.7670     15.38  |  Q  V   |         |         |         |
2+50       2.8779     16.10  |  Q   V  |         |         |         |
2+55       2.9914     16.49  |  Q   V  |         |         |         |
3+ 0       3.1060     16.64  |  Q   V  |         |         |         |
3+ 5       3.2213     16.74  |  Q   V  |         |         |         |
3+10       3.3389     17.07  |  Q    V |         |         |         |
3+15       3.4635     18.10  |  Q    V |         |         |         |
3+20       3.5921     18.67  |  Q    V |         |         |         |
3+25       3.7250     19.30  |  Q     V|         |         |         |
3+30       3.8716     21.29  |   Q    V|         |         |         |
3+35       4.0371     24.02  |   Q    V|         |         |         |
3+40       4.2205     26.64  |    Q    V         |         |         |
3+45       4.4159     28.37  |    Q    V         |         |         |
3+50       4.6258     30.48  |     Q   |V        |         |         |
3+55       4.8468     32.08  |     Q   |V        |         |         |
4+ 0       5.0818     34.13  |     Q   | V       |         |         |
4+ 5       5.3278     35.71  |      Q  |  V      |         |         |
4+10       5.5904     38.13  |      Q  |  V      |         |         |
4+15       5.8738     41.15  |       Q |   V     |         |         |
4+20       6.1792     44.35  |       Q |    V    |         |         |
4+25       6.5075     47.66  |        Q|     V   |         |         |
4+30       6.8562     50.64  |         Q     V   |         |         |
4+35       7.2185     52.60  |         Q      V  |         |         |
4+40       7.5991     55.27  |         |Q      V |         |         |
4+45       8.0015     58.44  |         |Q       V|         |         |
4+50       8.4241     61.35  |         | Q       V         |         |
4+55       8.8599     63.29  |         | Q       |V        |         |
5+ 0       9.3141     65.94  |         |  Q      | V       |         |
5+ 5       9.8008     70.67  |         |   Q     |   V     |         |
5+10      10.3610     81.35  |         |     Q   |    V    |         |
5+15      11.0117     94.48  |         |       Q |      V  |         |
5+20      11.7416    105.99  |         |         |Q      V |         |
5+25      12.5509    117.50  |         |         |  Q      V         |
5+30      13.4696    133.40  |         |         |     Q   |  V      |
5+35      14.4237    138.53  |         |         |      Q  |    V    |
5+40      15.0548     91.63  |         |       Q |         |      V  |
5+45      15.4231     53.48  |         Q         |         |       V |
5+50      15.6685     35.64  |       Q |         |         |       V |
5+55      15.8459     25.75  |     Q   |         |         |        V|
6+ 0      15.9735     18.53  |  Q      |         |         |        V|
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    6+ 5      16.0635     13.07  | Q       |         |         |        V|
    6+10      16.1204      8.26  |Q        |         |         |        V|
    6+15      16.1560      5.17  |Q        |         |         |        V|
    6+20      16.1785      3.27  Q         |         |         |        V|
    6+25      16.1906      1.76  Q         |         |         |        V|
    6+30      16.1953      0.68  Q         |         |         |        V|
    6+35      16.1977      0.34  Q         |         |         |        V|
    6+40      16.1990      0.19  Q         |         |         |        V|
    6+45      16.1997      0.10  Q         |         |         |        V|
    6+50      16.2000      0.05  Q         |         |         |        V|
    6+55      16.2001      0.01  Q         |         |         |         V
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/15/21 File: RVPRB2410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN B- PROPOSED UNIT HYDROGRAPH
10YR-24HR STORM

Drainage Area = 134.00(Ac.) = 0.209 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 134.00(Ac.) = 0.209 Sq. Mi.
Length along longest watercourse = 6289.00(Ft.)
Length along longest watercourse measured to centroid = 4365.00(Ft.)
Length along longest watercourse = 1.191 Mi.
Length along longest watercourse measured to centroid = 0.827 Mi.
Difference in elevation = 458.00(Ft.)
Slope along watercourse = 384.5190 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.116 Hr.
Lag time = 6.93 Min.
25% of lag time = 1.73 Min.
40% of lag time = 2.77 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	2.70	361.80

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	7.00	938.00

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 4.469(In)
Areal adjustment factor = 99.97 %
Adjusted average point rain = 4.468(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
134.000	61.70	0.475

Total Area Entered = 134.00(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
61.7	61.7	0.452	0.475	0.259	1.000	0.259
					Sum (F) =	0.259

Area averaged mean soil loss (F) (In/Hr) = 0.144
Minimum soil loss rate ((In/Hr)) = 0.072
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) = 0.520

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	72.144	11.178	15.096
2	0.167	144.287	41.178	55.609
3	0.250	216.431	22.417	30.274
4	0.333	288.574	8.822	11.914
5	0.417	360.718	5.359	7.238
6	0.500	432.861	3.514	4.745
7	0.583	505.005	2.394	3.232
8	0.667	577.148	1.821	2.459
9	0.750	649.292	1.287	1.739
10	0.833	721.435	0.883	1.192
11	0.917	793.579	0.721	0.974
12	1.000	865.722	0.425	0.574
			Sum = 100.000	Sum= 135.047

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.07	0.036	(0.255)		0.019	0.017
2	0.17	0.07	0.036	(0.254)		0.019	0.017
3	0.25	0.07	0.036	(0.253)		0.019	0.017
4	0.33	0.10	0.054	(0.252)		0.028	0.026
5	0.42	0.10	0.054	(0.251)		0.028	0.026
6	0.50	0.10	0.054	(0.250)		0.028	0.026
7	0.58	0.10	0.054	(0.249)		0.028	0.026
8	0.67	0.10	0.054	(0.248)		0.028	0.026
9	0.75	0.10	0.054	(0.247)		0.028	0.026
10	0.83	0.13	0.071	(0.246)		0.037	0.034
11	0.92	0.13	0.071	(0.246)		0.037	0.034
12	1.00	0.13	0.071	(0.245)		0.037	0.034
13	1.08	0.10	0.054	(0.244)		0.028	0.026
14	1.17	0.10	0.054	(0.243)		0.028	0.026
15	1.25	0.10	0.054	(0.242)		0.028	0.026
16	1.33	0.10	0.054	(0.241)		0.028	0.026
17	1.42	0.10	0.054	(0.240)		0.028	0.026
18	1.50	0.10	0.054	(0.239)		0.028	0.026
19	1.58	0.10	0.054	(0.238)		0.028	0.026
20	1.67	0.10	0.054	(0.237)		0.028	0.026
21	1.75	0.10	0.054	(0.236)		0.028	0.026
22	1.83	0.13	0.071	(0.235)		0.037	0.034
23	1.92	0.13	0.071	(0.234)		0.037	0.034
24	2.00	0.13	0.071	(0.233)		0.037	0.034
25	2.08	0.13	0.071	(0.232)		0.037	0.034
26	2.17	0.13	0.071	(0.231)		0.037	0.034
27	2.25	0.13	0.071	(0.230)		0.037	0.034
28	2.33	0.13	0.071	(0.229)		0.037	0.034
29	2.42	0.13	0.071	(0.228)		0.037	0.034
30	2.50	0.13	0.071	(0.227)		0.037	0.034
31	2.58	0.17	0.089	(0.227)		0.046	0.043

32	2.67	0.17	0.089	(0.226)	0.046	0.043
33	2.75	0.17	0.089	(0.225)	0.046	0.043
34	2.83	0.17	0.089	(0.224)	0.046	0.043
35	2.92	0.17	0.089	(0.223)	0.046	0.043
36	3.00	0.17	0.089	(0.222)	0.046	0.043
37	3.08	0.17	0.089	(0.221)	0.046	0.043
38	3.17	0.17	0.089	(0.220)	0.046	0.043
39	3.25	0.17	0.089	(0.219)	0.046	0.043
40	3.33	0.17	0.089	(0.218)	0.046	0.043
41	3.42	0.17	0.089	(0.217)	0.046	0.043
42	3.50	0.17	0.089	(0.216)	0.046	0.043
43	3.58	0.17	0.089	(0.215)	0.046	0.043
44	3.67	0.17	0.089	(0.215)	0.046	0.043
45	3.75	0.17	0.089	(0.214)	0.046	0.043
46	3.83	0.20	0.107	(0.213)	0.056	0.051
47	3.92	0.20	0.107	(0.212)	0.056	0.051
48	4.00	0.20	0.107	(0.211)	0.056	0.051
49	4.08	0.20	0.107	(0.210)	0.056	0.051
50	4.17	0.20	0.107	(0.209)	0.056	0.051
51	4.25	0.20	0.107	(0.208)	0.056	0.051
52	4.33	0.23	0.125	(0.207)	0.065	0.060
53	4.42	0.23	0.125	(0.207)	0.065	0.060
54	4.50	0.23	0.125	(0.206)	0.065	0.060
55	4.58	0.23	0.125	(0.205)	0.065	0.060
56	4.67	0.23	0.125	(0.204)	0.065	0.060
57	4.75	0.23	0.125	(0.203)	0.065	0.060
58	4.83	0.27	0.143	(0.202)	0.074	0.069
59	4.92	0.27	0.143	(0.201)	0.074	0.069
60	5.00	0.27	0.143	(0.200)	0.074	0.069
61	5.08	0.20	0.107	(0.200)	0.056	0.051
62	5.17	0.20	0.107	(0.199)	0.056	0.051
63	5.25	0.20	0.107	(0.198)	0.056	0.051
64	5.33	0.23	0.125	(0.197)	0.065	0.060
65	5.42	0.23	0.125	(0.196)	0.065	0.060
66	5.50	0.23	0.125	(0.195)	0.065	0.060
67	5.58	0.27	0.143	(0.194)	0.074	0.069
68	5.67	0.27	0.143	(0.193)	0.074	0.069
69	5.75	0.27	0.143	(0.193)	0.074	0.069
70	5.83	0.27	0.143	(0.192)	0.074	0.069
71	5.92	0.27	0.143	(0.191)	0.074	0.069
72	6.00	0.27	0.143	(0.190)	0.074	0.069
73	6.08	0.30	0.161	(0.189)	0.084	0.077
74	6.17	0.30	0.161	(0.188)	0.084	0.077
75	6.25	0.30	0.161	(0.188)	0.084	0.077
76	6.33	0.30	0.161	(0.187)	0.084	0.077
77	6.42	0.30	0.161	(0.186)	0.084	0.077
78	6.50	0.30	0.161	(0.185)	0.084	0.077
79	6.58	0.33	0.179	(0.184)	0.093	0.086
80	6.67	0.33	0.179	(0.183)	0.093	0.086
81	6.75	0.33	0.179	(0.183)	0.093	0.086
82	6.83	0.33	0.179	(0.182)	0.093	0.086
83	6.92	0.33	0.179	(0.181)	0.093	0.086
84	7.00	0.33	0.179	(0.180)	0.093	0.086
85	7.08	0.33	0.179	(0.179)	0.093	0.086
86	7.17	0.33	0.179	(0.178)	0.093	0.086
87	7.25	0.33	0.179	(0.178)	0.093	0.086
88	7.33	0.37	0.197	(0.177)	0.102	0.094
89	7.42	0.37	0.197	(0.176)	0.102	0.094
90	7.50	0.37	0.197	(0.175)	0.102	0.094
91	7.58	0.40	0.214	(0.174)	0.112	0.103
92	7.67	0.40	0.214	(0.174)	0.112	0.103
93	7.75	0.40	0.214	(0.173)	0.112	0.103
94	7.83	0.43	0.232	(0.172)	0.121	0.112
95	7.92	0.43	0.232	(0.171)	0.121	0.112
96	8.00	0.43	0.232	(0.170)	0.121	0.112
97	8.08	0.50	0.268	(0.170)	0.139	0.129
98	8.17	0.50	0.268	(0.169)	0.139	0.129

99	8.25	0.50	0.268	(0.168)	0.139	0.129
100	8.33	0.50	0.268	(0.167)	0.139	0.129
101	8.42	0.50	0.268	(0.166)	0.139	0.129
102	8.50	0.50	0.268	(0.166)	0.139	0.129
103	8.58	0.53	0.286	(0.165)	0.149	0.137
104	8.67	0.53	0.286	(0.164)	0.149	0.137
105	8.75	0.53	0.286	(0.163)	0.149	0.137
106	8.83	0.57	0.304	(0.163)	0.158	0.146
107	8.92	0.57	0.304	(0.162)	0.158	0.146
108	9.00	0.57	0.304	(0.161)	0.158	0.146
109	9.08	0.63	0.340	0.160	(0.177)	0.179
110	9.17	0.63	0.340	0.160	(0.177)	0.180
111	9.25	0.63	0.340	0.159	(0.177)	0.181
112	9.33	0.67	0.357	0.158	(0.186)	0.199
113	9.42	0.67	0.357	0.157	(0.186)	0.200
114	9.50	0.67	0.357	0.157	(0.186)	0.201
115	9.58	0.70	0.375	0.156	(0.195)	0.220
116	9.67	0.70	0.375	0.155	(0.195)	0.220
117	9.75	0.70	0.375	0.154	(0.195)	0.221
118	9.83	0.73	0.393	0.154	(0.204)	0.240
119	9.92	0.73	0.393	0.153	(0.204)	0.240
120	10.00	0.73	0.393	0.152	(0.204)	0.241
121	10.08	0.50	0.268	(0.151)	0.139	0.129
122	10.17	0.50	0.268	(0.151)	0.139	0.129
123	10.25	0.50	0.268	(0.150)	0.139	0.129
124	10.33	0.50	0.268	(0.149)	0.139	0.129
125	10.42	0.50	0.268	(0.148)	0.139	0.129
126	10.50	0.50	0.268	(0.148)	0.139	0.129
127	10.58	0.67	0.357	0.147	(0.186)	0.210
128	10.67	0.67	0.357	0.146	(0.186)	0.211
129	10.75	0.67	0.357	0.146	(0.186)	0.212
130	10.83	0.67	0.357	0.145	(0.186)	0.213
131	10.92	0.67	0.357	0.144	(0.186)	0.213
132	11.00	0.67	0.357	0.143	(0.186)	0.214
133	11.08	0.63	0.340	0.143	(0.177)	0.197
134	11.17	0.63	0.340	0.142	(0.177)	0.198
135	11.25	0.63	0.340	0.141	(0.177)	0.198
136	11.33	0.63	0.340	0.141	(0.177)	0.199
137	11.42	0.63	0.340	0.140	(0.177)	0.200
138	11.50	0.63	0.340	0.139	(0.177)	0.200
139	11.58	0.57	0.304	0.139	(0.158)	0.165
140	11.67	0.57	0.304	0.138	(0.158)	0.166
141	11.75	0.57	0.304	0.137	(0.158)	0.167
142	11.83	0.60	0.322	0.136	(0.167)	0.185
143	11.92	0.60	0.322	0.136	(0.167)	0.186
144	12.00	0.60	0.322	0.135	(0.167)	0.187
145	12.08	0.83	0.447	0.134	(0.232)	0.312
146	12.17	0.83	0.447	0.134	(0.232)	0.313
147	12.25	0.83	0.447	0.133	(0.232)	0.314
148	12.33	0.87	0.465	0.132	(0.242)	0.332
149	12.42	0.87	0.465	0.132	(0.242)	0.333
150	12.50	0.87	0.465	0.131	(0.242)	0.334
151	12.58	0.93	0.500	0.130	(0.260)	0.370
152	12.67	0.93	0.500	0.130	(0.260)	0.371
153	12.75	0.93	0.500	0.129	(0.260)	0.371
154	12.83	0.97	0.518	0.128	(0.270)	0.390
155	12.92	0.97	0.518	0.128	(0.270)	0.390
156	13.00	0.97	0.518	0.127	(0.270)	0.391
157	13.08	1.13	0.608	0.127	(0.316)	0.481
158	13.17	1.13	0.608	0.126	(0.316)	0.482
159	13.25	1.13	0.608	0.125	(0.316)	0.482
160	13.33	1.13	0.608	0.125	(0.316)	0.483
161	13.42	1.13	0.608	0.124	(0.316)	0.484
162	13.50	1.13	0.608	0.123	(0.316)	0.484
163	13.58	0.77	0.411	0.123	(0.214)	0.288
164	13.67	0.77	0.411	0.122	(0.214)	0.289
165	13.75	0.77	0.411	0.121	(0.214)	0.290

166	13.83	0.77	0.411		0.121	(0.214)	0.290
167	13.92	0.77	0.411		0.120	(0.214)	0.291
168	14.00	0.77	0.411		0.120	(0.214)	0.291
169	14.08	0.90	0.483		0.119	(0.251)	0.364
170	14.17	0.90	0.483		0.118	(0.251)	0.364
171	14.25	0.90	0.483		0.118	(0.251)	0.365
172	14.33	0.87	0.465		0.117	(0.242)	0.347
173	14.42	0.87	0.465		0.117	(0.242)	0.348
174	14.50	0.87	0.465		0.116	(0.242)	0.349
175	14.58	0.87	0.465		0.115	(0.242)	0.349
176	14.67	0.87	0.465		0.115	(0.242)	0.350
177	14.75	0.87	0.465		0.114	(0.242)	0.350
178	14.83	0.83	0.447		0.114	(0.232)	0.333
179	14.92	0.83	0.447		0.113	(0.232)	0.334
180	15.00	0.83	0.447		0.112	(0.232)	0.334
181	15.08	0.80	0.429		0.112	(0.223)	0.317
182	15.17	0.80	0.429		0.111	(0.223)	0.318
183	15.25	0.80	0.429		0.111	(0.223)	0.318
184	15.33	0.77	0.411		0.110	(0.214)	0.301
185	15.42	0.77	0.411		0.110	(0.214)	0.301
186	15.50	0.77	0.411		0.109	(0.214)	0.302
187	15.58	0.63	0.340		0.109	(0.177)	0.231
188	15.67	0.63	0.340		0.108	(0.177)	0.232
189	15.75	0.63	0.340		0.107	(0.177)	0.232
190	15.83	0.63	0.340		0.107	(0.177)	0.233
191	15.92	0.63	0.340		0.106	(0.177)	0.233
192	16.00	0.63	0.340		0.106	(0.177)	0.234
193	16.08	0.13	0.071	(0.105)		0.037	0.034
194	16.17	0.13	0.071	(0.105)		0.037	0.034
195	16.25	0.13	0.071	(0.104)		0.037	0.034
196	16.33	0.13	0.071	(0.104)		0.037	0.034
197	16.42	0.13	0.071	(0.103)		0.037	0.034
198	16.50	0.13	0.071	(0.103)		0.037	0.034
199	16.58	0.10	0.054	(0.102)		0.028	0.026
200	16.67	0.10	0.054	(0.102)		0.028	0.026
201	16.75	0.10	0.054	(0.101)		0.028	0.026
202	16.83	0.10	0.054	(0.100)		0.028	0.026
203	16.92	0.10	0.054	(0.100)		0.028	0.026
204	17.00	0.10	0.054	(0.099)		0.028	0.026
205	17.08	0.17	0.089	(0.099)		0.046	0.043
206	17.17	0.17	0.089	(0.098)		0.046	0.043
207	17.25	0.17	0.089	(0.098)		0.046	0.043
208	17.33	0.17	0.089	(0.097)		0.046	0.043
209	17.42	0.17	0.089	(0.097)		0.046	0.043
210	17.50	0.17	0.089	(0.097)		0.046	0.043
211	17.58	0.17	0.089	(0.096)		0.046	0.043
212	17.67	0.17	0.089	(0.096)		0.046	0.043
213	17.75	0.17	0.089	(0.095)		0.046	0.043
214	17.83	0.13	0.071	(0.095)		0.037	0.034
215	17.92	0.13	0.071	(0.094)		0.037	0.034
216	18.00	0.13	0.071	(0.094)		0.037	0.034
217	18.08	0.13	0.071	(0.093)		0.037	0.034
218	18.17	0.13	0.071	(0.093)		0.037	0.034
219	18.25	0.13	0.071	(0.092)		0.037	0.034
220	18.33	0.13	0.071	(0.092)		0.037	0.034
221	18.42	0.13	0.071	(0.091)		0.037	0.034
222	18.50	0.13	0.071	(0.091)		0.037	0.034
223	18.58	0.10	0.054	(0.091)		0.028	0.026
224	18.67	0.10	0.054	(0.090)		0.028	0.026
225	18.75	0.10	0.054	(0.090)		0.028	0.026
226	18.83	0.07	0.036	(0.089)		0.019	0.017
227	18.92	0.07	0.036	(0.089)		0.019	0.017
228	19.00	0.07	0.036	(0.088)		0.019	0.017
229	19.08	0.10	0.054	(0.088)		0.028	0.026
230	19.17	0.10	0.054	(0.088)		0.028	0.026
231	19.25	0.10	0.054	(0.087)		0.028	0.026
232	19.33	0.13	0.071	(0.087)		0.037	0.034

233	19.42	0.13	0.071	(0.086)	0.037	0.034
234	19.50	0.13	0.071	(0.086)	0.037	0.034
235	19.58	0.10	0.054	(0.086)	0.028	0.026
236	19.67	0.10	0.054	(0.085)	0.028	0.026
237	19.75	0.10	0.054	(0.085)	0.028	0.026
238	19.83	0.07	0.036	(0.084)	0.019	0.017
239	19.92	0.07	0.036	(0.084)	0.019	0.017
240	20.00	0.07	0.036	(0.084)	0.019	0.017
241	20.08	0.10	0.054	(0.083)	0.028	0.026
242	20.17	0.10	0.054	(0.083)	0.028	0.026
243	20.25	0.10	0.054	(0.083)	0.028	0.026
244	20.33	0.10	0.054	(0.082)	0.028	0.026
245	20.42	0.10	0.054	(0.082)	0.028	0.026
246	20.50	0.10	0.054	(0.081)	0.028	0.026
247	20.58	0.10	0.054	(0.081)	0.028	0.026
248	20.67	0.10	0.054	(0.081)	0.028	0.026
249	20.75	0.10	0.054	(0.080)	0.028	0.026
250	20.83	0.07	0.036	(0.080)	0.019	0.017
251	20.92	0.07	0.036	(0.080)	0.019	0.017
252	21.00	0.07	0.036	(0.079)	0.019	0.017
253	21.08	0.10	0.054	(0.079)	0.028	0.026
254	21.17	0.10	0.054	(0.079)	0.028	0.026
255	21.25	0.10	0.054	(0.079)	0.028	0.026
256	21.33	0.07	0.036	(0.078)	0.019	0.017
257	21.42	0.07	0.036	(0.078)	0.019	0.017
258	21.50	0.07	0.036	(0.078)	0.019	0.017
259	21.58	0.10	0.054	(0.077)	0.028	0.026
260	21.67	0.10	0.054	(0.077)	0.028	0.026
261	21.75	0.10	0.054	(0.077)	0.028	0.026
262	21.83	0.07	0.036	(0.077)	0.019	0.017
263	21.92	0.07	0.036	(0.076)	0.019	0.017
264	22.00	0.07	0.036	(0.076)	0.019	0.017
265	22.08	0.10	0.054	(0.076)	0.028	0.026
266	22.17	0.10	0.054	(0.076)	0.028	0.026
267	22.25	0.10	0.054	(0.075)	0.028	0.026
268	22.33	0.07	0.036	(0.075)	0.019	0.017
269	22.42	0.07	0.036	(0.075)	0.019	0.017
270	22.50	0.07	0.036	(0.075)	0.019	0.017
271	22.58	0.07	0.036	(0.074)	0.019	0.017
272	22.67	0.07	0.036	(0.074)	0.019	0.017
273	22.75	0.07	0.036	(0.074)	0.019	0.017
274	22.83	0.07	0.036	(0.074)	0.019	0.017
275	22.92	0.07	0.036	(0.074)	0.019	0.017
276	23.00	0.07	0.036	(0.073)	0.019	0.017
277	23.08	0.07	0.036	(0.073)	0.019	0.017
278	23.17	0.07	0.036	(0.073)	0.019	0.017
279	23.25	0.07	0.036	(0.073)	0.019	0.017
280	23.33	0.07	0.036	(0.073)	0.019	0.017
281	23.42	0.07	0.036	(0.073)	0.019	0.017
282	23.50	0.07	0.036	(0.073)	0.019	0.017
283	23.58	0.07	0.036	(0.072)	0.019	0.017
284	23.67	0.07	0.036	(0.072)	0.019	0.017
285	23.75	0.07	0.036	(0.072)	0.019	0.017
286	23.83	0.07	0.036	(0.072)	0.019	0.017
287	23.92	0.07	0.036	(0.072)	0.019	0.017
288	24.00	0.07	0.036	(0.072)	0.019	0.017

(Loss Rate Not Used)

Sum = 100.0 Sum = 32.5

Flood volume = Effective rainfall 2.71(In)

times area 134.0(Ac.)/[(In)/(Ft.)] = 30.2(Ac.Ft)

Total soil loss = 1.76(In)

Total soil loss = 19.669(Ac.Ft)

Total rainfall = 4.47(In)

Flood volume = 1316489.6 Cubic Feet

Total soil loss = 856779.1 Cubic Feet

Peak flow rate of this hydrograph = 64.297(CFS)

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	17.5	35.0	52.5	70.0
0+ 5	0.0018	0.26	Q				
0+10	0.0101	1.21	Q				
0+15	0.0221	1.73	Q				
0+20	0.0363	2.07	VQ				
0+25	0.0547	2.67	VQ				
0+30	0.0754	3.01	VQ				
0+35	0.0973	3.17	VQ				
0+40	0.1198	3.27	VQ				
0+45	0.1428	3.34	VQ				
0+50	0.1671	3.52	V Q				
0+55	0.1949	4.04	V Q				
1+ 0	0.2246	4.32	V Q				
1+ 5	0.2542	4.30	V Q				
1+10	0.2811	3.90	V Q				
1+15	0.3064	3.68	V Q				
1+20	0.3313	3.61	V Q				
1+25	0.3559	3.57	V Q				
1+30	0.3802	3.54	V Q				
1+35	0.4045	3.52	V Q				
1+40	0.4287	3.51	V Q				
1+45	0.4528	3.50	V Q				
1+50	0.4777	3.62	V Q				
1+55	0.5059	4.09	V Q				
2+ 0	0.5358	4.34	V Q				
2+ 5	0.5664	4.45	V Q				
2+10	0.5975	4.51	V Q				
2+15	0.6288	4.55	V Q				
2+20	0.6603	4.58	V Q				
2+25	0.6920	4.60	V Q				
2+30	0.7238	4.61	V Q				
2+35	0.7565	4.75	|VQ				
2+40	0.7926	5.24	|VQ				
2+45	0.8305	5.50	|V Q				
2+50	0.8691	5.61	|V Q				
2+55	0.9081	5.67	|V Q				
3+ 0	0.9474	5.71	|V Q				
3+ 5	0.9869	5.74	|V Q				
3+10	1.0266	5.76	|V Q				
3+15	1.0663	5.77	|V Q				
3+20	1.1061	5.78	|V Q				
3+25	1.1460	5.79	|V Q				
3+30	1.1859	5.80	|V Q				
3+35	1.2258	5.80	|V Q				
3+40	1.2658	5.80	|V Q				
3+45	1.3057	5.80	|V Q				
3+50	1.3465	5.92	|V Q				
3+55	1.3906	6.40	|V Q				
4+ 0	1.4364	6.66	|V Q				
4+ 5	1.4830	6.76	|V Q				
4+10	1.5300	6.83	| VQ				
4+15	1.5773	6.87	| VQ				
4+20	1.6257	7.02	| V Q				
4+25	1.6775	7.52	| V Q				
4+30	1.7312	7.80	| V Q				
4+35	1.7857	7.91	| V Q				
4+40	1.8407	7.98	| V Q				
4+45	1.8959	8.03	| V Q				

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 4+50       1.9523      8.18  | V Q     |         |         |         |
 4+55       2.0121      8.68  | V Q     |         |         |         |
 5+ 0       2.0738      8.96  | V  Q    |         |         |         |
 5+ 5       2.1345      8.81  | V  Q    |         |         |         |
 5+10       2.1891      7.93  | V Q     |         |         |         |
 5+15       2.2404      7.45  | V Q     |         |         |         |
 5+20       2.2914      7.40  |  VQ     |         |         |         |
 5+25       2.3449      7.78  |  VQ     |         |         |         |
 5+30       2.3998      7.97  |  VQ     |         |         |         |
 5+35       2.4560      8.16  |  VQ     |         |         |         |
 5+40       2.5157      8.66  |  VQ     |         |         |         |
 5+45       2.5773      8.94  |  V Q    |         |         |         |
 5+50       2.6396      9.05  |  V Q    |         |         |         |
 5+55       2.7024      9.12  |  V Q    |         |         |         |
 6+ 0       2.7655      9.16  |  V Q    |         |         |         |
 6+ 5       2.8297      9.33  |  V Q    |         |         |         |
 6+10       2.8975      9.84  |  V Q    |         |         |         |
 6+15       2.9671     10.12  |  V Q    |         |         |         |
 6+20       3.0376     10.23  |   VQ    |         |         |         |
 6+25       3.1085     10.30  |   VQ    |         |         |         |
 6+30       3.1798     10.34  |   VQ    |         |         |         |
 6+35       3.2521     10.50  |   V Q   |         |         |         |
 6+40       3.3278     11.00  |   V Q   |         |         |         |
 6+45       3.4055     11.27  |   V Q   |         |         |         |
 6+50       3.4839     11.39  |   V Q   |         |         |         |
 6+55       3.5628     11.46  |   V Q   |         |         |         |
 7+ 0       3.6421     11.50  |   V Q   |         |         |         |
 7+ 5       3.7215     11.53  |   V Q   |         |         |         |
 7+10       3.8010     11.55  |    VQ   |         |         |         |
 7+15       3.8807     11.57  |    VQ   |         |         |         |
 7+20       3.9613     11.71  |    VQ   |         |         |         |
 7+25       4.0453     12.19  |    VQ   |         |         |         |
 7+30       4.1311     12.46  |    V Q  |         |         |         |
 7+35       4.2185     12.69  |    V Q  |         |         |         |
 7+40       4.3096     13.23  |    V Q  |         |         |         |
 7+45       4.4028     13.53  |    V Q  |         |         |         |
 7+50       4.4977     13.79  |    V Q  |         |         |         |
 7+55       4.5966     14.35  |     V Q |         |         |         |
 8+ 0       4.6976     14.66  |     V Q |         |         |         |
 8+ 5       4.8013     15.06  |     V Q |         |         |         |
 8+10       4.9123     16.11  |     V  Q|         |         |         |
 8+15       5.0272     16.69  |     V  Q|         |         |         |
 8+20       5.1438     16.93  |     V  Q|         |         |         |
 8+25       5.2615     17.09  |     V  Q|         |         |         |
 8+30       5.3799     17.19  |      V Q|         |         |         |
 8+35       5.4996     17.38  |      V Q|         |         |         |
 8+40       5.6229     17.91  |      V  Q         |         |         |
 8+45       5.7483     18.21  |      V  Q         |         |         |
 8+50       5.8755     18.46  |      V  Q         |         |         |
 8+55       6.0064     19.01  |      V  Q         |         |         |
 9+ 0       6.1395     19.32  |       V |Q        |         |         |
 9+ 5       6.2770     19.96  |       V |Q        |         |         |
 9+10       6.4279     21.91  |       V | Q       |         |         |
 9+15       6.5865     23.03  |       V |  Q      |         |         |
 9+20       6.7505     23.82  |       V |  Q      |         |         |
 9+25       6.9239     25.17  |        V|   Q     |         |         |
 9+30       7.1028     25.98  |        V|   Q     |         |         |
 9+35       7.2865     26.67  |        V|    Q    |         |         |
 9+40       7.4792     27.98  |        V|    Q    |         |         |
 9+45       7.6773     28.77  |         V     Q   |         |         |
 9+50       7.8802     29.45  |         V     Q   |         |         |
 9+55       8.0920     30.75  |         V      Q  |         |         |
10+ 0       8.3091     31.53  |         V       Q |         |         |
10+ 5       8.5171     30.21  |         |V     Q  |         |         |
10+10       8.6838     24.19  |         |V Q      |         |         |
10+15       8.8280     20.94  |         |Q        |         |         |
10+20       8.9636     19.70  |         |Q        |         |         |
```

10+25	9.0942	18.95	| Q V |	|	|
10+30	9.2214	18.47	| Q V |	|	|
10+35	9.3547	19.37	| QV |	|	|
10+40	9.5178	23.67	| VQ |	|	|
10+45	9.6969	26.02	| V Q |	|	|
10+50	9.8824	26.93	| V Q |	|	|
10+55	10.0718	27.49	| V Q |	|	|
11+ 0	10.2639	27.90	| V Q |	|	|
11+ 5	10.4567	27.99	| V Q |	|	|
11+10	10.6446	27.28	| VQ |	|	|
11+15	10.8304	26.98	| VQ |	|	|
11+20	11.0160	26.95	| VQ |	|	|
11+25	11.2020	27.00	| VQ |	|	|
11+30	11.3883	27.05	| Q |	|	|
11+35	11.5712	26.55	| Q |	|	|
11+40	11.7407	24.61	| QV |	|	|
11+45	11.9031	23.59	| Q V |	|	|
11+50	12.0650	23.51	| Q V |	|	|
11+55	12.2325	24.32	| Q V |	|	|
12+ 0	12.4031	24.77	| Q V |	|	|
12+ 5	12.5881	26.85	| QV |	|	|
12+10	12.8218	33.94	| V Q|	|	|
12+15	13.0825	37.85	| V |Q	|	|
12+20	13.3560	39.72	| V | Q	|	|
12+25	13.6433	41.72	| V | Q	|	|
12+30	13.9391	42.95	| V | Q	|	|
12+35	14.2437	44.22	| V | Q	|	|
12+40	14.5656	46.75	| V| Q	|	|
12+45	14.8979	48.24	| V| Q	|	|
12+50	15.2369	49.23	| V Q	|	|
12+55	15.5863	50.74	| V Q	|	|
13+ 0	15.9420	51.64	| |V Q|	|	|
13+ 5	16.3099	53.43	| |V Q	|	|
13+10	16.7143	58.72	| | V | Q	|	|
13+15	17.1391	61.67	| | V | Q	|	|
13+20	17.5724	62.92	| | V | Q	|	|
13+25	18.0114	63.74	| | V | Q	|	|
13+30	18.4542	64.30	| | V | Q	|	|
13+35	18.8793	61.72	| | V | Q	|	|
13+40	19.2313	51.11	| | V Q|	|	|
13+45	19.5440	45.40	| | Q |	|	|
13+50	19.8419	43.25	| | Q V |	|	|
13+55	20.1311	42.00	| | Q V |	|	|
14+ 0	20.4149	41.20	| | Q V |	|	|
14+ 5	20.7023	41.73	| | Q V |	|	|
14+10	21.0143	45.31	| | Q V |	|	|
14+15	21.3394	47.21	| | Q V |	|	|
14+20	21.6675	47.64	| | QV |	|	|
14+25	21.9916	47.06	| | Q V|	|	|
14+30	22.3141	46.82	| | Q V|	|	|
14+35	22.6372	46.92	| | Q V|	|	|
14+40	22.9612	47.05	| | Q V	|	|
14+45	23.2861	47.17	| | Q V	|	|
14+50	23.6098	47.01	| | Q |V	|	|
14+55	23.9274	46.12	| | Q |V	|	|
15+ 0	24.2419	45.66	| | Q | V	|	|
15+ 5	24.5535	45.24	| | Q | V	|	|
15+10	24.8577	44.18	| | Q | V	|	|
15+15	25.1581	43.62	| | Q | V	|	|
15+20	25.4553	43.15	| | Q | V	|	|
15+25	25.7450	42.06	| | Q | V	|	|
15+30	26.0307	41.48	| | Q | V	|	|
15+35	26.3075	40.19	| | Q | V	|	|
15+40	26.5561	36.10	| | Q | V	|	|
15+45	26.7894	33.88	| | Q| | V	|	|
15+50	27.0168	33.02	| | Q | | V	|	|
15+55	27.2408	32.52	| | Q | | V	|	|

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16+ 0     27.4626    32.21  |          |        Q |          |     V    |
16+ 5     27.6625    29.01  |          |     Q    |          |     V    |
16+10     27.7847    17.76  |          Q          |          |     V    |
16+15     27.8646    11.60  |      Q   |          |          |     V    |
16+20     27.9276     9.15  |    Q     |          |          |     V    |
16+25     27.9802     7.64  |   Q      |          |          |      V   |
16+30     28.0261     6.66  |  Q       |          |          |      V   |
16+35     28.0666     5.89  |  Q       |          |          |      V   |
16+40     28.1005     4.92  | Q        |          |          |      V   |
16+45     28.1302     4.32  | Q        |          |          |      V   |
16+50     28.1576     3.98  | Q        |          |          |      V   |
16+55     28.1832     3.72  | Q        |          |          |      V   |
17+ 0     28.2078     3.56  | Q        |          |          |      V   |
17+ 5     28.2339     3.80  | Q        |          |          |      V   |
17+10     28.2665     4.73  | Q        |          |          |      V   |
17+15     28.3025     5.23  | Q        |          |          |      V   |
17+20     28.3399     5.43  |  Q       |          |          |      V   |
17+25     28.3781     5.54  |  Q       |          |          |      V   |
17+30     28.4168     5.62  |  Q       |          |          |      V   |
17+35     28.4559     5.68  |  Q       |          |          |      V   |
17+40     28.4953     5.72  |  Q       |          |          |      V   |
17+45     28.5349     5.75  |  Q       |          |          |      V   |
17+50     28.5737     5.64  |  Q       |          |          |      V   |
17+55     28.6094     5.18  | Q        |          |          |      V   |
18+ 0     28.6433     4.93  | Q        |          |          |      V   |
18+ 5     28.6766     4.83  | Q        |          |          |      V   |
18+10     28.7094     4.76  | Q        |          |          |      V   |
18+15     28.7419     4.72  | Q        |          |          |       V  |
18+20     28.7742     4.70  | Q        |          |          |       V  |
18+25     28.8064     4.67  | Q        |          |          |       V  |
18+30     28.8385     4.66  | Q        |          |          |       V  |
18+35     28.8697     4.52  | Q        |          |          |       V  |
18+40     28.8975     4.03  | Q        |          |          |       V  |
18+45     28.9234     3.77  | Q        |          |          |       V  |
18+50     28.9478     3.54  | Q        |          |          |       V  |
18+55     28.9684     3.00  |Q         |          |          |       V  |
19+ 0     28.9870     2.70  |Q         |          |          |       V  |
19+ 5     29.0056     2.70  |Q         |          |          |       V  |
19+10     29.0269     3.09  |Q         |          |          |       V  |
19+15     29.0496     3.30  |Q         |          |          |       V  |
19+20     29.0736     3.49  |Q         |          |          |       V  |
19+25     29.1012     4.00  | Q        |          |          |       V  |
19+30     29.1306     4.28  | Q        |          |          |       V  |
19+35     29.1600     4.27  | Q        |          |          |       V  |
19+40     29.1867     3.87  | Q        |          |          |       V  |
19+45     29.2119     3.66  | Q        |          |          |       V  |
19+50     29.2357     3.46  |Q         |          |          |       V  |
19+55     29.2561     2.96  |Q         |          |          |       V  |
20+ 0     29.2745     2.67  |Q         |          |          |       V  |
20+ 5     29.2930     2.68  |Q         |          |          |       V  |
20+10     29.3143     3.09  |Q         |          |          |       V  |
20+15     29.3369     3.30  |Q         |          |          |       V  |
20+20     29.3601     3.36  |Q         |          |          |       V  |
20+25     29.3835     3.39  |Q         |          |          |       V  |
20+30     29.4070     3.41  |Q         |          |          |       V  |
20+35     29.4306     3.43  |Q         |          |          |       V  |
20+40     29.4543     3.44  |Q         |          |          |       V  |
20+45     29.4781     3.45  |Q         |          |          |        V |
20+50     29.5011     3.33  |Q         |          |          |        V |
20+55     29.5208     2.87  |Q         |          |          |        V |
21+ 0     29.5388     2.61  |Q         |          |          |        V |
21+ 5     29.5569     2.64  |Q         |          |          |        V |
21+10     29.5780     3.05  |Q         |          |          |        V |
21+15     29.6005     3.27  |Q         |          |          |        V |
21+20     29.6227     3.22  |Q         |          |          |        V |
21+25     29.6418     2.78  |Q         |          |          |        V |
21+30     29.6593     2.55  |Q         |          |          |        V |
```

21+35	29.6772	2.59	|Q	|	|	|	V|
21+40	29.6980	3.02	|Q	|	|	|	V|
21+45	29.7204	3.25	|Q	|	|	|	V|
21+50	29.7424	3.20	|Q	|	|	|	V|
21+55	29.7615	2.78	|Q	|	|	|	V|
22+ 0	29.7791	2.55	|Q	|	|	|	V|
22+ 5	29.7969	2.59	|Q	|	|	|	V|
22+10	29.8177	3.02	|Q	|	|	|	V|
22+15	29.8401	3.25	|Q	|	|	|	V|
22+20	29.8622	3.20	|Q	|	|	|	V|
22+25	29.8813	2.78	|Q	|	|	|	V|
22+30	29.8988	2.55	|Q	|	|	|	V|
22+35	29.9158	2.46	|Q	|	|	|	V|
22+40	29.9324	2.41	|Q	|	|	|	V|
22+45	29.9488	2.38	|Q	|	|	|	V|
22+50	29.9651	2.36	|Q	|	|	|	V|
22+55	29.9813	2.35	|Q	|	|	|	V|
23+ 0	29.9974	2.34	|Q	|	|	|	V|
23+ 5	30.0135	2.33	|Q	|	|	|	V|
23+10	30.0295	2.32	|Q	|	|	|	V|
23+15	30.0454	2.32	|Q	|	|	|	V|
23+20	30.0614	2.32	|Q	|	|	|	V|
23+25	30.0774	2.32	|Q	|	|	|	V|
23+30	30.0933	2.32	|Q	|	|	|	V|
23+35	30.1093	2.32	|Q	|	|	|	V|
23+40	30.1253	2.32	|Q	|	|	|	V|
23+45	30.1412	2.32	|Q	|	|	|	V|
23+50	30.1572	2.32	|Q	|	|	|	V|
23+55	30.1732	2.32	|Q	|	|	|	V|
24+ 0	30.1891	2.32	|Q	|	|	|	V|
24+ 5	30.2033	2.06	|Q	|	|	|	V|
24+10	30.2109	1.10	Q	|	|	|	V|
24+15	30.2149	0.58	Q	|	|	|	V|
24+20	30.2176	0.38	Q	|	|	|	V|
24+25	30.2193	0.26	Q	|	|	|	V|
24+30	30.2205	0.17	Q	|	|	|	V|
24+35	30.2213	0.12	Q	|	|	|	V|
24+40	30.2219	0.08	Q	|	|	|	V|
24+45	30.2222	0.05	Q	|	|	|	V|
24+50	30.2224	0.03	Q	|	|	|	V|
24+55	30.2224	0.01	Q	|	|	|	V|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/09/21 File: RVPRB1100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN B- PROPOSED UNIT HYDROGRAPH
100YR-1HR STORM

Drainage Area = 134.00(Ac.) = 0.209 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 134.00(Ac.) = 0.209 Sq. Mi.
Length along longest watercourse = 6289.00(Ft.)
Length along longest watercourse measured to centroid = 4365.00(Ft.)
Length along longest watercourse = 1.191 Mi.
Length along longest watercourse measured to centroid = 0.827 Mi.
Difference in elevation = 458.00(Ft.)
Slope along watercourse = 384.5190 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.116 Hr.
Lag time = 6.93 Min.
25% of lag time = 1.73 Min.
40% of lag time = 2.77 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	0.55	73.70

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	1.30	174.20

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 1.300(In)
Areal adjustment factor = 99.88 %
Adjusted average point rain = 1.298(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
134.000	61.70	0.475

Total Area Entered = 134.00(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
61.7	79.4	0.252	0.475	0.144	1.000	0.144

```
                                                        Sum (F) =   0.144
     Area averaged mean soil loss (F) (In/Hr) =  0.144
     Minimum soil loss rate ((In/Hr)) =  0.072
     (for 24 hour storm duration)
     Soil low loss rate (decimal) =   0.520
     ------------------------------------------------------------------------
     Slope of intensity-duration curve for a 1 hour storm =0.5500
     ------------------------------------------------------------------------

                 U n i t  H y d r o g r a p h
                        VALLEY S-Curve
     ------------------------------------------------------------------------
                 Unit Hydrograph Data
     ------------------------------------------------------------------------
     Unit time period   Time % of lag   Distribution   Unit Hydrograph
         (hrs)                          Graph %           (CFS)
     ------------------------------------------------------------------------
         1   0.083         72.144         11.178             15.096
         2   0.167        144.287         41.178             55.609
         3   0.250        216.431         22.417             30.274
         4   0.333        288.574          8.822             11.914
         5   0.417        360.718          5.359              7.238
         6   0.500        432.861          3.514              4.745
         7   0.583        505.005          2.394              3.232
         8   0.667        577.148          1.821              2.459
         9   0.750        649.292          1.287              1.739
        10   0.833        721.435          0.883              1.192
        11   0.917        793.579          0.721              0.974
        12   1.000        865.722          0.425              0.574
                                  Sum = 100.000   Sum=     135.047
-------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low        (In/Hr)
   1   0.08     3.30      0.514          0.144    (  0.267)        0.370
   2   0.17     4.20      0.654          0.144    (  0.340)        0.510
   3   0.25     4.40      0.686          0.144    (  0.356)        0.542
   4   0.33     4.80      0.748          0.144    (  0.389)        0.604
   5   0.42     5.20      0.810          0.144    (  0.421)        0.666
   6   0.50     6.20      0.966          0.144    (  0.502)        0.822
   7   0.58     6.80      1.060          0.144    (  0.551)        0.915
   8   0.67     8.80      1.371          0.144    (  0.713)        1.227
   9   0.75    13.90      2.166          0.144    (  1.126)        2.022
  10   0.83    31.40      4.892          0.144    (  2.544)        4.748
  11   0.92     7.20      1.122          0.144    (  0.583)        0.978
  12   1.00     3.80      0.592          0.144    (  0.308)        0.448
            (Loss Rate Not Used)
     Sum =     100.0                                  Sum =    13.9
     Flood volume = Effective rainfall      1.15(In)
      times area     134.0(Ac.)/[(In)/(Ft.)] =      12.9(Ac.Ft)
     Total soil loss =      0.14(In)
     Total soil loss =     1.608(Ac.Ft)
     Total rainfall =      1.30(In)
     Flood volume =      561527.0 Cubic Feet
     Total soil loss =       70051.1 Cubic Feet
     ------------------------------------------------------------------------
      Peak flow rate of this hydrograph =    370.913(CFS)
     ------------------------------------------------------------------------
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        1 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ------------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))
```

```
    ---------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0      100.0     200.0     300.0     400.0
  ---------------------------------------------------------------------
    0+ 5       0.0385      5.59  Q         |         |         |         |
    0+10       0.2334     28.30  V Q       |         |         |         |
    0+15       0.5626     47.79  |V  Q     |         |         |         |
    0+20       0.9697     59.12  |  V Q    |         |         |         |
    0+25       1.4438     68.83  |   V Q   |         |         |         |
    0+30       1.9925     79.68  |     VQ  |         |         |         |
    0+35       2.6432     94.48  |       VQ|         |         |         |
    0+40       3.4133    111.82  |         VQ        |         |         |
    0+45       4.4304    147.68  |          |  VQ    |         |         |
    0+50       6.1248    246.02  |          |        V|   Q     |         |
    0+55       8.6793    370.91  |          |         |     V   |       Q |
    1+ 0      10.3944    249.04  |          |         |   Q     | V       |
    1+ 5      11.3538    139.30  |          |  Q      |         |    V    |
    1+10      11.8948     78.56  |       Q  |         |         |     V   |
    1+15      12.2260     48.09  |    Q     |         |         |      V  |
    1+20      12.4507     32.63  |  Q       |         |         |       V |
    1+25      12.6113     23.32  | Q        |         |         |         V|
    1+30      12.7232     16.25  |Q         |         |         |         V|
    1+35      12.7999     11.14  |Q         |         |         |         V|
    1+40      12.8532      7.74  Q          |         |         |         V|
    1+45      12.8822      4.21  Q          |         |         |         V|
    1+50      12.8891      1.00  Q          |         |         |         V|
    1+55      12.8909      0.26  Q          |         |         |          V
  ---------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/09/21 File: RVPRB3100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN B- PROPOSED UNIT HYDROGRAPH
100YR-3HR STORM

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Drainage Area for Depth-Area Areal Adjustment = 134.00(Ac.) = 0.209 Sq. Mi.
Length along longest watercourse = 6289.00(Ft.)
Length along longest watercourse measured to centroid = 4365.00(Ft.)
Length along longest watercourse = 1.191 Mi.
Length along longest watercourse measured to centroid = 0.827 Mi.
Difference in elevation = 458.00(Ft.)
Slope along watercourse = 384.5190 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.116 Hr.
Lag time = 6.93 Min.
25% of lag time = 1.73 Min.
40% of lag time = 2.77 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	1.10	147.40

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	2.00	268.00

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 2.000(In)
Areal adjustment factor = 99.94 %
Adjusted average point rain = 1.999(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
134.000	61.70	0.475

Total Area Entered = 134.00(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

61.7 79.4 0.252 0.475 0.144 1.000 0.144
Sum (F) = 0.144

Area averaged mean soil loss (F) (In/Hr) = 0.144
Minimum soil loss rate ((In/Hr)) = 0.072
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.520

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	72.144	11.178	15.096
2	0.167	144.287	41.178	55.609
3	0.250	216.431	22.417	30.274
4	0.333	288.574	8.822	11.914
5	0.417	360.718	5.359	7.238
6	0.500	432.861	3.514	4.745
7	0.583	505.005	2.394	3.232
8	0.667	577.148	1.821	2.459
9	0.750	649.292	1.287	1.739
10	0.833	721.435	0.883	1.192
11	0.917	793.579	0.721	0.974
12	1.000	865.722	0.425	0.574
		Sum = 100.000	Sum=	135.047

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	1.30	0.312	0.144	(	0.162)	0.168
2	0.17	1.30	0.312	0.144	(	0.162)	0.168
3	0.25	1.10	0.264	(0.144)		0.137	0.127
4	0.33	1.50	0.360	0.144	(	0.187)	0.216
5	0.42	1.50	0.360	0.144	(	0.187)	0.216
6	0.50	1.80	0.432	0.144	(	0.225)	0.288
7	0.58	1.50	0.360	0.144	(	0.187)	0.216
8	0.67	1.80	0.432	0.144	(	0.225)	0.288
9	0.75	1.80	0.432	0.144	(	0.225)	0.288
10	0.83	1.50	0.360	0.144	(	0.187)	0.216
11	0.92	1.60	0.384	0.144	(	0.200)	0.240
12	1.00	1.80	0.432	0.144	(	0.225)	0.288
13	1.08	2.20	0.528	0.144	(	0.274)	0.384
14	1.17	2.20	0.528	0.144	(	0.274)	0.384
15	1.25	2.20	0.528	0.144	(	0.274)	0.384
16	1.33	2.00	0.480	0.144	(	0.249)	0.336
17	1.42	2.60	0.624	0.144	(	0.324)	0.480
18	1.50	2.70	0.648	0.144	(	0.337)	0.504
19	1.58	2.40	0.576	0.144	(	0.299)	0.432
20	1.67	2.70	0.648	0.144	(	0.337)	0.504
21	1.75	3.30	0.792	0.144	(	0.412)	0.648
22	1.83	3.10	0.744	0.144	(	0.387)	0.600
23	1.92	2.90	0.696	0.144	(	0.362)	0.552
24	2.00	3.00	0.720	0.144	(	0.374)	0.576
25	2.08	3.10	0.744	0.144	(	0.387)	0.600
26	2.17	4.20	1.007	0.144	(	0.524)	0.863
27	2.25	5.00	1.199	0.144	(	0.624)	1.055
28	2.33	3.50	0.840	0.144	(	0.437)	0.695
29	2.42	6.80	1.631	0.144	(	0.848)	1.487
30	2.50	7.30	1.751	0.144	(	0.911)	1.607

```
31   2.58     8.20      1.967          0.144    (  1.023)        1.823
32   2.67     5.90      1.415          0.144    (  0.736)        1.271
33   2.75     2.00      0.480          0.144    (  0.249)        0.336
34   2.83     1.80      0.432          0.144    (  0.225)        0.288
35   2.92     1.80      0.432          0.144    (  0.225)        0.288
36   3.00     0.60      0.144       (  0.144)       0.075        0.069
           (Loss Rate Not Used)
   Sum =     100.0                                   Sum =    18.9
     Flood volume = Effective rainfall      1.57(In)
      times area     134.0(Ac.)/[(In)/(Ft.)] =      17.6(Ac.Ft)
     Total soil loss =      0.43(In)
     Total soil loss =     4.754(Ac.Ft)
     Total rainfall =      2.00(In)
     Flood volume =      765196.8 Cubic Feet
     Total soil loss =      207072.9 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =    203.948(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        3 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       75.0     150.0     225.0     300.0
-------------------------------------------------------------------------
  0+ 5       0.0175      2.53  Q         |         |         |         |
  0+10       0.0992     11.87  VQ        |         |         |         |
  0+15       0.2117     16.33  V Q       |         |         |         |
  0+20       0.3314     17.39  V Q       |         |         |         |
  0+25       0.4851     22.32  |VQ       |         |         |         |
  0+30       0.6670     26.41  |V Q      |         |         |         |
  0+35       0.8780     30.63  |V  Q     |         |         |         |
  0+40       1.0898     30.76  | V Q     |         |         |         |
  0+45       1.3241     34.02  |  VQ     |         |         |         |
  0+50       1.5663     35.16  |  VQ     |         |         |         |
  0+55       1.7902     32.51  |   Q     |         |         |         |
  1+ 0       2.0175     33.01  |   Q     |         |         |         |
  1+ 5       2.2747     37.35  |   QV    |         |         |         |
  1+10       2.5788     44.15  |    Q    |         |         |         |
  1+15       2.9069     47.65  |     Q   |         |         |         |
  1+20       3.2403     48.40  |     QV  |         |         |         |
  1+25       3.5763     48.79  |     Q V |         |         |         |
  1+30       3.9638     56.28  |      Q V|         |         |         |
  1+35       4.3822     60.74  |       QV|         |         |         |
  1+40       4.7967     60.19  |       Q V         |         |         |
  1+45       5.2478     65.50  |       Q |V        |         |         |
  1+50       5.7642     74.98  |        Q|  V      |         |         |
  1+55       6.2935     76.86  |         Q   V     |         |         |
  2+ 0       6.8128     75.40  |         Q    V    |         |         |
  2+ 5       7.3395     76.48  |         Q     V   |         |         |
  2+10       7.9078     82.51  |         |Q      V |         |         |
  2+15       8.6046    101.18  |         |  Q     V|         |         |
  2+20       9.3966    114.99  |         |    Q    |V        |         |
  2+25      10.1967    116.18  |         |    Q    |  V      |         |
  2+30      11.2678    155.52  |         |         Q    V    |         |
  2+35      12.5623    187.96  |         |         |    Q  V |         |
  2+40      13.9669    203.95  |         |         |      Q  |V        |
  2+45      15.1542    172.38  |         |         | Q       |   V     |
  2+50      15.9110    109.89  |         |   Q     |         |     V   |
  2+55      16.4400     76.81  |         Q         |         |      V  |
  3+ 0      16.8541     60.14  |       Q |         |         |       V |
  3+ 5      17.1244     39.24  |    Q    |         |         |       V |
  3+10      17.2873     23.65  |  Q      |         |         |        V|
  3+15      17.3935     15.42  | Q       |         |         |        V|
  3+20      17.4653     10.43  |Q        |         |         |        V|
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    3+25      17.5119      6.77  Q         |         |         |        V|
    3+30      17.5403      4.12  Q         |         |         |        V|
    3+35      17.5545      2.07  Q         |         |         |        V|
    3+40      17.5610      0.94  Q         |         |         |        V|
    3+45      17.5646      0.53  Q         |         |         |        V|
    3+50      17.5662      0.23  Q         |         |         |        V|
    3+55      17.5665      0.04  Q         |         |         |        V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/09/21 File: RVPRB6100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN B- PROPOSED UNIT HYDROGRAPH
100YR-6HR STORM

Drainage Area = 134.00(Ac.) = 0.209 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 134.00(Ac.) = 0.209 Sq. Mi.
Length along longest watercourse = 6289.00(Ft.)
Length along longest watercourse measured to centroid = 4365.00(Ft.)
Length along longest watercourse = 1.191 Mi.
Length along longest watercourse measured to centroid = 0.827 Mi.
Difference in elevation = 458.00(Ft.)
Slope along watercourse = 384.5190 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.116 Hr.
Lag time = 6.93 Min.
25% of lag time = 1.73 Min.
40% of lag time = 2.77 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	1.60	214.40

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	3.00	402.00

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 3.000(In)
Areal adjustment factor = 99.95 %
Adjusted average point rain = 2.999(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
134.000	61.70	0.475

Total Area Entered = 134.00(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-3     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
61.7  79.4      0.252     0.475        0.144       1.000      0.144
                                                  Sum (F) =   0.144
Area averaged mean soil loss (F) (In/Hr) =  0.144
Minimum soil loss rate ((In/Hr)) =  0.072
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.520
```

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	72.144	11.178	15.096
2	0.167	144.287	41.178	55.609
3	0.250	216.431	22.417	30.274
4	0.333	288.574	8.822	11.914
5	0.417	360.718	5.359	7.238
6	0.500	432.861	3.514	4.745
7	0.583	505.005	2.394	3.232
8	0.667	577.148	1.821	2.459
9	0.750	649.292	1.287	1.739
10	0.833	721.435	0.883	1.192
11	0.917	793.579	0.721	0.974
12	1.000	865.722	0.425	0.574
			Sum = 100.000	Sum= 135.047

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.50	0.180	(0.144)		0.094	0.086
2	0.17	0.60	0.216	(0.144)		0.112	0.104
3	0.25	0.60	0.216	(0.144)		0.112	0.104
4	0.33	0.60	0.216	(0.144)		0.112	0.104
5	0.42	0.60	0.216	(0.144)		0.112	0.104
6	0.50	0.70	0.252	(0.144)		0.131	0.121
7	0.58	0.70	0.252	(0.144)		0.131	0.121
8	0.67	0.70	0.252	(0.144)		0.131	0.121
9	0.75	0.70	0.252	(0.144)		0.131	0.121
10	0.83	0.70	0.252	(0.144)		0.131	0.121
11	0.92	0.70	0.252	(0.144)		0.131	0.121
12	1.00	0.80	0.288	0.144	(	0.150)	0.144
13	1.08	0.80	0.288	0.144	(	0.150)	0.144
14	1.17	0.80	0.288	0.144	(	0.150)	0.144
15	1.25	0.80	0.288	0.144	(	0.150)	0.144
16	1.33	0.80	0.288	0.144	(	0.150)	0.144
17	1.42	0.80	0.288	0.144	(	0.150)	0.144
18	1.50	0.80	0.288	0.144	(	0.150)	0.144
19	1.58	0.80	0.288	0.144	(	0.150)	0.144
20	1.67	0.80	0.288	0.144	(	0.150)	0.144
21	1.75	0.80	0.288	0.144	(	0.150)	0.144
22	1.83	0.80	0.288	0.144	(	0.150)	0.144
23	1.92	0.80	0.288	0.144	(	0.150)	0.144
24	2.00	0.90	0.324	0.144	(	0.168)	0.180
25	2.08	0.80	0.288	0.144	(	0.150)	0.144
26	2.17	0.90	0.324	0.144	(	0.168)	0.180
27	2.25	0.90	0.324	0.144	(	0.168)	0.180
28	2.33	0.90	0.324	0.144	(	0.168)	0.180
29	2.42	0.90	0.324	0.144	(	0.168)	0.180

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30   2.50     0.90      0.324          0.144    (  0.168)        0.180
31   2.58     0.90      0.324          0.144    (  0.168)        0.180
32   2.67     0.90      0.324          0.144    (  0.168)        0.180
33   2.75     1.00      0.360          0.144    (  0.187)        0.216
34   2.83     1.00      0.360          0.144    (  0.187)        0.216
35   2.92     1.00      0.360          0.144    (  0.187)        0.216
36   3.00     1.00      0.360          0.144    (  0.187)        0.216
37   3.08     1.00      0.360          0.144    (  0.187)        0.216
38   3.17     1.10      0.396          0.144    (  0.206)        0.252
39   3.25     1.10      0.396          0.144    (  0.206)        0.252
40   3.33     1.10      0.396          0.144    (  0.206)        0.252
41   3.42     1.20      0.432          0.144    (  0.225)        0.288
42   3.50     1.30      0.468          0.144    (  0.243)        0.324
43   3.58     1.40      0.504          0.144    (  0.262)        0.360
44   3.67     1.40      0.504          0.144    (  0.262)        0.360
45   3.75     1.50      0.540          0.144    (  0.281)        0.396
46   3.83     1.50      0.540          0.144    (  0.281)        0.396
47   3.92     1.60      0.576          0.144    (  0.299)        0.432
48   4.00     1.60      0.576          0.144    (  0.299)        0.432
49   4.08     1.70      0.612          0.144    (  0.318)        0.468
50   4.17     1.80      0.648          0.144    (  0.337)        0.504
51   4.25     1.90      0.684          0.144    (  0.356)        0.540
52   4.33     2.00      0.720          0.144    (  0.374)        0.576
53   4.42     2.10      0.756          0.144    (  0.393)        0.612
54   4.50     2.10      0.756          0.144    (  0.393)        0.612
55   4.58     2.20      0.792          0.144    (  0.412)        0.648
56   4.67     2.30      0.828          0.144    (  0.430)        0.684
57   4.75     2.40      0.864          0.144    (  0.449)        0.720
58   4.83     2.40      0.864          0.144    (  0.449)        0.720
59   4.92     2.50      0.900          0.144    (  0.468)        0.756
60   5.00     2.60      0.936          0.144    (  0.486)        0.792
61   5.08     3.10      1.115          0.144    (  0.580)        0.971
62   5.17     3.60      1.295          0.144    (  0.674)        1.151
63   5.25     3.90      1.403          0.144    (  0.730)        1.259
64   5.33     4.20      1.511          0.144    (  0.786)        1.367
65   5.42     4.70      1.691          0.144    (  0.879)        1.547
66   5.50     5.60      2.015          0.144    (  1.048)        1.871
67   5.58     1.90      0.684          0.144    (  0.356)        0.540
68   5.67     0.90      0.324          0.144    (  0.168)        0.180
69   5.75     0.60      0.216       (  0.144)       0.112        0.104
70   5.83     0.50      0.180       (  0.144)       0.094        0.086
71   5.92     0.30      0.108       (  0.144)       0.056        0.052
72   6.00     0.20      0.072       (  0.144)       0.037        0.035
            (Loss Rate Not Used)
   Sum =     100.0                                  Sum =    26.1
     Flood volume = Effective rainfall      2.18(In)
      times area     134.0(Ac.)/[(In)/(Ft.)] =      24.3(Ac.Ft)
     Total soil loss =      0.82(In)
     Total soil loss =     9.154(Ac.Ft)
     Total rainfall =      3.00(In)
     Flood volume =     1059858.8 Cubic Feet
     Total soil loss =      398729.0 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =    198.358(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       50.0     100.0     150.0     200.0
-------------------------------------------------------------------------
  0+ 5       0.0090      1.30  Q         |         |         |         |
  0+10       0.0529      6.37  VQ        |         |         |         |
  0+15       0.1214      9.95  VQ        |         |         |         |
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0+20       0.2006     11.50  V Q       |          |          |          |
0+25       0.2855     12.33  V Q       |          |          |          |
0+30       0.3759     13.13  V Q       |          |          |          |
0+35       0.4754     14.45  V Q       |          |          |          |
0+40       0.5804     15.24  V  Q      |          |          |          |
0+45       0.6881     15.64  |V Q      |          |          |          |
0+50       0.7976     15.90  |V Q      |          |          |          |
0+55       0.9083     16.08  |V Q      |          |          |          |
1+ 0       1.0223     16.55  |V Q      |          |          |          |
1+ 5       1.1455     17.88  |V Q      |          |          |          |
1+10       1.2736     18.61  | VQ      |          |          |          |
1+15       1.4038     18.90  | VQ      |          |          |          |
1+20       1.5352     19.08  | VQ      |          |          |          |
1+25       1.6675     19.20  | VQ      |          |          |          |
1+30       1.8003     19.28  | VQ      |          |          |          |
1+35       1.9334     19.33  |  Q      |          |          |          |
1+40       2.0669     19.37  |  Q      |          |          |          |
1+45       2.2005     19.40  |  Q      |          |          |          |
1+50       2.3342     19.42  |  Q      |          |          |          |
1+55       2.4681     19.44  |  QV     |          |          |          |
2+ 0       2.6057     19.98  |  QV     |          |          |          |
2+ 5       2.7534     21.44  |   Q     |          |          |          |
2+10       2.8985     21.07  |   Q     |          |          |          |
2+15       3.0528     22.41  |   QV    |          |          |          |
2+20       3.2135     23.33  |   QV    |          |          |          |
2+25       3.3766     23.67  |   QV    |          |          |          |
2+30       3.5410     23.88  |   QV    |          |          |          |
2+35       3.7065     24.02  |   Q V   |          |          |          |
2+40       3.8725     24.11  |   Q V   |          |          |          |
2+45       4.0428     24.72  |   Q V   |          |          |          |
2+50       4.2272     26.78  |    QV   |          |          |          |
2+55       4.4194     27.90  |    Q V  |          |          |          |
3+ 0       4.6146     28.34  |    Q V  |          |          |          |
3+ 5       4.8117     28.62  |    Q V  |          |          |          |
3+10       5.0138     29.34  |    Q  V |          |          |          |
3+15       5.2304     31.46  |     Q V |          |          |          |
3+20       5.4552     32.64  |     Q V |          |          |          |
3+25       5.6871     33.67  |     Q  V|          |          |          |
3+30       5.9386     36.52  |      Q V|          |          |          |
3+35       6.2165     40.36  |       Q V          |          |          |
3+40       6.5197     44.02  |       Q V          |          |          |
3+45       6.8395     46.43  |        Q|V         |          |          |
3+50       7.1794     49.35  |        Q|V         |          |          |
3+55       7.5346     51.58  |         Q V        |          |          |
4+ 0       7.9094     54.42  |         Q  V       |          |          |
4+ 5       8.2992     56.60  |         |Q V       |          |          |
4+10       8.7120     59.94  |         |Q  V      |          |          |
4+15       9.1535     64.10  |         | Q  V     |          |          |
4+20       9.6254     68.52  |         |  Q V     |          |          |
4+25      10.1286     73.08  |         |   Q V    |          |          |
4+30      10.6602     77.18  |         |    Q V   |          |          |
4+35      11.2104     79.89  |         |    Q  V  |          |          |
4+40      11.7859     83.56  |         |     Q  V|          |          |
4+45      12.3915     87.93  |         |      Q  V          |          |
4+50      13.0248     91.96  |         |       Q |V         |          |
4+55      13.6765     94.62  |         |       Q | V        |          |
5+ 0      14.3534     98.28  |         |        Q|  V       |          |
5+ 5      15.0751    104.80  |         |         Q   V      |          |
5+10      15.8983    119.52  |         |          |  Q  V   |          |
5+15      16.8461    137.62  |         |          |     Q   |          |
5+20      17.9032    153.50  |         |          |       VQ           |
5+25      19.0697    169.37  |         |          |         |V Q       |
5+30      20.3871    191.29  |         |          |         |  V    Q  |
5+35      21.7532    198.36  |         |          |         |    V   Q |
5+40      22.6709    133.25  |         |          |     Q   |      V   |
5+45      23.2122     78.61  |         |    Q     |         |       V  |
5+50      23.5685     51.73  |         Q          |         |       V  |
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5+55      23.8233     36.99  |      Q  |         |         |        V|
6+ 0      24.0061     26.54  |    Q    |         |         |        V|
6+ 5      24.1348     18.68  |  Q      |         |         |        V|
6+10      24.2164     11.85  | Q       |         |         |        V|
6+15      24.2676      7.44  |Q        |         |         |        V|
6+20      24.2999
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/09/21 File: RVPRB24100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN B- PROPOSED UNIT HYDROGRAPH
100YR-24HR STORM

Drainage Area = 134.00(Ac.) = 0.209 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 134.00(Ac.) = 0.209 Sq. Mi.
Length along longest watercourse = 6289.00(Ft.)
Length along longest watercourse measured to centroid = 4365.00(Ft.)
Length along longest watercourse = 1.191 Mi.
Length along longest watercourse measured to centroid = 0.827 Mi.
Difference in elevation = 458.00(Ft.)
Slope along watercourse = 384.5190 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.116 Hr.
Lag time = 6.93 Min.
25% of lag time = 1.73 Min.
40% of lag time = 2.77 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	2.70	361.80

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	7.00	938.00

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 7.000(In)
Areal adjustment factor = 99.97 %
Adjusted average point rain = 6.998(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
134.000	61.70	0.475

Total Area Entered = 134.00(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
61.7	79.4	0.252	0.475	0.144	1.000	0.144
					Sum (F) =	0.144

Area averaged mean soil loss (F) (In/Hr) = 0.144
Minimum soil loss rate ((In/Hr)) = 0.072
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.520

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	72.144	11.178	15.096
2	0.167	144.287	41.178	55.609
3	0.250	216.431	22.417	30.274
4	0.333	288.574	8.822	11.914
5	0.417	360.718	5.359	7.238
6	0.500	432.861	3.514	4.745
7	0.583	505.005	2.394	3.232
8	0.667	577.148	1.821	2.459
9	0.750	649.292	1.287	1.739
10	0.833	721.435	0.883	1.192
11	0.917	793.579	0.721	0.974
12	1.000	865.722	0.425	0.574
			Sum = 100.000	Sum= 135.047

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.07	0.056	(0.255)		0.029	0.027
2	0.17	0.07	0.056	(0.254)		0.029	0.027
3	0.25	0.07	0.056	(0.253)		0.029	0.027
4	0.33	0.10	0.084	(0.252)		0.044	0.040
5	0.42	0.10	0.084	(0.251)		0.044	0.040
6	0.50	0.10	0.084	(0.250)		0.044	0.040
7	0.58	0.10	0.084	(0.249)		0.044	0.040
8	0.67	0.10	0.084	(0.248)		0.044	0.040
9	0.75	0.10	0.084	(0.247)		0.044	0.040
10	0.83	0.13	0.112	(0.246)		0.058	0.054
11	0.92	0.13	0.112	(0.246)		0.058	0.054
12	1.00	0.13	0.112	(0.245)		0.058	0.054
13	1.08	0.10	0.084	(0.244)		0.044	0.040
14	1.17	0.10	0.084	(0.243)		0.044	0.040
15	1.25	0.10	0.084	(0.242)		0.044	0.040
16	1.33	0.10	0.084	(0.241)		0.044	0.040
17	1.42	0.10	0.084	(0.240)		0.044	0.040
18	1.50	0.10	0.084	(0.239)		0.044	0.040
19	1.58	0.10	0.084	(0.238)		0.044	0.040
20	1.67	0.10	0.084	(0.237)		0.044	0.040
21	1.75	0.10	0.084	(0.236)		0.044	0.040
22	1.83	0.13	0.112	(0.235)		0.058	0.054
23	1.92	0.13	0.112	(0.234)		0.058	0.054
24	2.00	0.13	0.112	(0.233)		0.058	0.054
25	2.08	0.13	0.112	(0.232)		0.058	0.054
26	2.17	0.13	0.112	(0.231)		0.058	0.054
27	2.25	0.13	0.112	(0.230)		0.058	0.054
28	2.33	0.13	0.112	(0.229)		0.058	0.054
29	2.42	0.13	0.112	(0.228)		0.058	0.054
30	2.50	0.13	0.112	(0.227)		0.058	0.054
31	2.58	0.17	0.140	(0.227)		0.073	0.067
32	2.67	0.17	0.140	(0.226)		0.073	0.067

33	2.75	0.17	0.140	(0.225)	0.073	0.067
34	2.83	0.17	0.140	(0.224)	0.073	0.067
35	2.92	0.17	0.140	(0.223)	0.073	0.067
36	3.00	0.17	0.140	(0.222)	0.073	0.067
37	3.08	0.17	0.140	(0.221)	0.073	0.067
38	3.17	0.17	0.140	(0.220)	0.073	0.067
39	3.25	0.17	0.140	(0.219)	0.073	0.067
40	3.33	0.17	0.140	(0.218)	0.073	0.067
41	3.42	0.17	0.140	(0.217)	0.073	0.067
42	3.50	0.17	0.140	(0.216)	0.073	0.067
43	3.58	0.17	0.140	(0.215)	0.073	0.067
44	3.67	0.17	0.140	(0.215)	0.073	0.067
45	3.75	0.17	0.140	(0.214)	0.073	0.067
46	3.83	0.20	0.168	(0.213)	0.087	0.081
47	3.92	0.20	0.168	(0.212)	0.087	0.081
48	4.00	0.20	0.168	(0.211)	0.087	0.081
49	4.08	0.20	0.168	(0.210)	0.087	0.081
50	4.17	0.20	0.168	(0.209)	0.087	0.081
51	4.25	0.20	0.168	(0.208)	0.087	0.081
52	4.33	0.23	0.196	(0.207)	0.102	0.094
53	4.42	0.23	0.196	(0.207)	0.102	0.094
54	4.50	0.23	0.196	(0.206)	0.102	0.094
55	4.58	0.23	0.196	(0.205)	0.102	0.094
56	4.67	0.23	0.196	(0.204)	0.102	0.094
57	4.75	0.23	0.196	(0.203)	0.102	0.094
58	4.83	0.27	0.224	(0.202)	0.116	0.107
59	4.92	0.27	0.224	(0.201)	0.116	0.107
60	5.00	0.27	0.224	(0.200)	0.116	0.107
61	5.08	0.20	0.168	(0.200)	0.087	0.081
62	5.17	0.20	0.168	(0.199)	0.087	0.081
63	5.25	0.20	0.168	(0.198)	0.087	0.081
64	5.33	0.23	0.196	(0.197)	0.102	0.094
65	5.42	0.23	0.196	(0.196)	0.102	0.094
66	5.50	0.23	0.196	(0.195)	0.102	0.094
67	5.58	0.27	0.224	(0.194)	0.116	0.107
68	5.67	0.27	0.224	(0.193)	0.116	0.107
69	5.75	0.27	0.224	(0.193)	0.116	0.107
70	5.83	0.27	0.224	(0.192)	0.116	0.107
71	5.92	0.27	0.224	(0.191)	0.116	0.107
72	6.00	0.27	0.224	(0.190)	0.116	0.107
73	6.08	0.30	0.252	(0.189)	0.131	0.121
74	6.17	0.30	0.252	(0.188)	0.131	0.121
75	6.25	0.30	0.252	(0.188)	0.131	0.121
76	6.33	0.30	0.252	(0.187)	0.131	0.121
77	6.42	0.30	0.252	(0.186)	0.131	0.121
78	6.50	0.30	0.252	(0.185)	0.131	0.121
79	6.58	0.33	0.280	(0.184)	0.146	0.134
80	6.67	0.33	0.280	(0.183)	0.146	0.134
81	6.75	0.33	0.280	(0.183)	0.146	0.134
82	6.83	0.33	0.280	(0.182)	0.146	0.134
83	6.92	0.33	0.280	(0.181)	0.146	0.134
84	7.00	0.33	0.280	(0.180)	0.146	0.134
85	7.08	0.33	0.280	(0.179)	0.146	0.134
86	7.17	0.33	0.280	(0.178)	0.146	0.134
87	7.25	0.33	0.280	(0.178)	0.146	0.134
88	7.33	0.37	0.308	(0.177)	0.160	0.148
89	7.42	0.37	0.308	(0.176)	0.160	0.148
90	7.50	0.37	0.308	(0.175)	0.160	0.148
91	7.58	0.40	0.336	0.174	(0.175)	0.161
92	7.67	0.40	0.336	0.174	(0.175)	0.162
93	7.75	0.40	0.336	0.173	(0.175)	0.163
94	7.83	0.43	0.364	0.172	(0.189)	0.192
95	7.92	0.43	0.364	0.171	(0.189)	0.193
96	8.00	0.43	0.364	0.170	(0.189)	0.193
97	8.08	0.50	0.420	0.170	(0.218)	0.250
98	8.17	0.50	0.420	0.169	(0.218)	0.251
99	8.25	0.50	0.420	0.168	(0.218)	0.252

100	8.33	0.50	0.420	0.167	(0.218)	0.253
101	8.42	0.50	0.420	0.166	(0.218)	0.253
102	8.50	0.50	0.420	0.166	(0.218)	0.254
103	8.58	0.53	0.448	0.165	(0.233)	0.283
104	8.67	0.53	0.448	0.164	(0.233)	0.284
105	8.75	0.53	0.448	0.163	(0.233)	0.284
106	8.83	0.57	0.476	0.163	(0.247)	0.313
107	8.92	0.57	0.476	0.162	(0.247)	0.314
108	9.00	0.57	0.476	0.161	(0.247)	0.315
109	9.08	0.63	0.532	0.160	(0.277)	0.372
110	9.17	0.63	0.532	0.160	(0.277)	0.372
111	9.25	0.63	0.532	0.159	(0.277)	0.373
112	9.33	0.67	0.560	0.158	(0.291)	0.402
113	9.42	0.67	0.560	0.157	(0.291)	0.403
114	9.50	0.67	0.560	0.157	(0.291)	0.403
115	9.58	0.70	0.588	0.156	(0.306)	0.432
116	9.67	0.70	0.588	0.155	(0.306)	0.433
117	9.75	0.70	0.588	0.154	(0.306)	0.434
118	9.83	0.73	0.616	0.154	(0.320)	0.462
119	9.92	0.73	0.616	0.153	(0.320)	0.463
120	10.00	0.73	0.616	0.152	(0.320)	0.464
121	10.08	0.50	0.420	0.151	(0.218)	0.269
122	10.17	0.50	0.420	0.151	(0.218)	0.269
123	10.25	0.50	0.420	0.150	(0.218)	0.270
124	10.33	0.50	0.420	0.149	(0.218)	0.271
125	10.42	0.50	0.420	0.148	(0.218)	0.271
126	10.50	0.50	0.420	0.148	(0.218)	0.272
127	10.58	0.67	0.560	0.147	(0.291)	0.413
128	10.67	0.67	0.560	0.146	(0.291)	0.414
129	10.75	0.67	0.560	0.146	(0.291)	0.414
130	10.83	0.67	0.560	0.145	(0.291)	0.415
131	10.92	0.67	0.560	0.144	(0.291)	0.416
132	11.00	0.67	0.560	0.143	(0.291)	0.416
133	11.08	0.63	0.532	0.143	(0.277)	0.389
134	11.17	0.63	0.532	0.142	(0.277)	0.390
135	11.25	0.63	0.532	0.141	(0.277)	0.391
136	11.33	0.63	0.532	0.141	(0.277)	0.391
137	11.42	0.63	0.532	0.140	(0.277)	0.392
138	11.50	0.63	0.532	0.139	(0.277)	0.393
139	11.58	0.57	0.476	0.139	(0.247)	0.337
140	11.67	0.57	0.476	0.138	(0.247)	0.338
141	11.75	0.57	0.476	0.137	(0.247)	0.339
142	11.83	0.60	0.504	0.136	(0.262)	0.367
143	11.92	0.60	0.504	0.136	(0.262)	0.368
144	12.00	0.60	0.504	0.135	(0.262)	0.369
145	12.08	0.83	0.700	0.134	(0.364)	0.565
146	12.17	0.83	0.700	0.134	(0.364)	0.566
147	12.25	0.83	0.700	0.133	(0.364)	0.567
148	12.33	0.87	0.728	0.132	(0.378)	0.595
149	12.42	0.87	0.728	0.132	(0.378)	0.596
150	12.50	0.87	0.728	0.131	(0.378)	0.597
151	12.58	0.93	0.784	0.130	(0.408)	0.653
152	12.67	0.93	0.784	0.130	(0.408)	0.654
153	12.75	0.93	0.784	0.129	(0.408)	0.655
154	12.83	0.97	0.812	0.128	(0.422)	0.683
155	12.92	0.97	0.812	0.128	(0.422)	0.684
156	13.00	0.97	0.812	0.127	(0.422)	0.685
157	13.08	1.13	0.952	0.127	(0.495)	0.825
158	13.17	1.13	0.952	0.126	(0.495)	0.826
159	13.25	1.13	0.952	0.125	(0.495)	0.827
160	13.33	1.13	0.952	0.125	(0.495)	0.827
161	13.42	1.13	0.952	0.124	(0.495)	0.828
162	13.50	1.13	0.952	0.123	(0.495)	0.828
163	13.58	0.77	0.644	0.123	(0.335)	0.521
164	13.67	0.77	0.644	0.122	(0.335)	0.522
165	13.75	0.77	0.644	0.121	(0.335)	0.522
166	13.83	0.77	0.644	0.121	(0.335)	0.523

167	13.92	0.77	0.644	0.120	(0.335)	0.524
168	14.00	0.77	0.644	0.120	(0.335)	0.524
169	14.08	0.90	0.756	0.119	(0.393)	0.637
170	14.17	0.90	0.756	0.118	(0.393)	0.637
171	14.25	0.90	0.756	0.118	(0.393)	0.638
172	14.33	0.87	0.728	0.117	(0.378)	0.611
173	14.42	0.87	0.728	0.117	(0.378)	0.611
174	14.50	0.87	0.728	0.116	(0.378)	0.612
175	14.58	0.87	0.728	0.115	(0.378)	0.612
176	14.67	0.87	0.728	0.115	(0.378)	0.613
177	14.75	0.87	0.728	0.114	(0.378)	0.614
178	14.83	0.83	0.700	0.114	(0.364)	0.586
179	14.92	0.83	0.700	0.113	(0.364)	0.587
180	15.00	0.83	0.700	0.112	(0.364)	0.587
181	15.08	0.80	0.672	0.112	(0.349)	0.560
182	15.17	0.80	0.672	0.111	(0.349)	0.560
183	15.25	0.80	0.672	0.111	(0.349)	0.561
184	15.33	0.77	0.644	0.110	(0.335)	0.534
185	15.42	0.77	0.644	0.110	(0.335)	0.534
186	15.50	0.77	0.644	0.109	(0.335)	0.535
187	15.58	0.63	0.532	0.109	(0.277)	0.423
188	15.67	0.63	0.532	0.108	(0.277)	0.424
189	15.75	0.63	0.532	0.107	(0.277)	0.424
190	15.83	0.63	0.532	0.107	(0.277)	0.425
191	15.92	0.63	0.532	0.106	(0.277)	0.426
192	16.00	0.63	0.532	0.106	(0.277)	0.426
193	16.08	0.13	0.112	(0.105)	0.058	0.054
194	16.17	0.13	0.112	(0.105)	0.058	0.054
195	16.25	0.13	0.112	(0.104)	0.058	0.054
196	16.33	0.13	0.112	(0.104)	0.058	0.054
197	16.42	0.13	0.112	(0.103)	0.058	0.054
198	16.50	0.13	0.112	(0.103)	0.058	0.054
199	16.58	0.10	0.084	(0.102)	0.044	0.040
200	16.67	0.10	0.084	(0.102)	0.044	0.040
201	16.75	0.10	0.084	(0.101)	0.044	0.040
202	16.83	0.10	0.084	(0.100)	0.044	0.040
203	16.92	0.10	0.084	(0.100)	0.044	0.040
204	17.00	0.10	0.084	(0.099)	0.044	0.040
205	17.08	0.17	0.140	(0.099)	0.073	0.067
206	17.17	0.17	0.140	(0.098)	0.073	0.067
207	17.25	0.17	0.140	(0.098)	0.073	0.067
208	17.33	0.17	0.140	(0.097)	0.073	0.067
209	17.42	0.17	0.140	(0.097)	0.073	0.067
210	17.50	0.17	0.140	(0.097)	0.073	0.067
211	17.58	0.17	0.140	(0.096)	0.073	0.067
212	17.67	0.17	0.140	(0.096)	0.073	0.067
213	17.75	0.17	0.140	(0.095)	0.073	0.067
214	17.83	0.13	0.112	(0.095)	0.058	0.054
215	17.92	0.13	0.112	(0.094)	0.058	0.054
216	18.00	0.13	0.112	(0.094)	0.058	0.054
217	18.08	0.13	0.112	(0.093)	0.058	0.054
218	18.17	0.13	0.112	(0.093)	0.058	0.054
219	18.25	0.13	0.112	(0.092)	0.058	0.054
220	18.33	0.13	0.112	(0.092)	0.058	0.054
221	18.42	0.13	0.112	(0.091)	0.058	0.054
222	18.50	0.13	0.112	(0.091)	0.058	0.054
223	18.58	0.10	0.084	(0.091)	0.044	0.040
224	18.67	0.10	0.084	(0.090)	0.044	0.040
225	18.75	0.10	0.084	(0.090)	0.044	0.040
226	18.83	0.07	0.056	(0.089)	0.029	0.027
227	18.92	0.07	0.056	(0.089)	0.029	0.027
228	19.00	0.07	0.056	(0.088)	0.029	0.027
229	19.08	0.10	0.084	(0.088)	0.044	0.040
230	19.17	0.10	0.084	(0.088)	0.044	0.040
231	19.25	0.10	0.084	(0.087)	0.044	0.040
232	19.33	0.13	0.112	(0.087)	0.058	0.054
233	19.42	0.13	0.112	(0.086)	0.058	0.054

234	19.50	0.13	0.112	(0.086)	0.058	0.054
235	19.58	0.10	0.084	(0.086)	0.044	0.040
236	19.67	0.10	0.084	(0.085)	0.044	0.040
237	19.75	0.10	0.084	(0.085)	0.044	0.040
238	19.83	0.07	0.056	(0.084)	0.029	0.027
239	19.92	0.07	0.056	(0.084)	0.029	0.027
240	20.00	0.07	0.056	(0.084)	0.029	0.027
241	20.08	0.10	0.084	(0.083)	0.044	0.040
242	20.17	0.10	0.084	(0.083)	0.044	0.040
243	20.25	0.10	0.084	(0.083)	0.044	0.040
244	20.33	0.10	0.084	(0.082)	0.044	0.040
245	20.42	0.10	0.084	(0.082)	0.044	0.040
246	20.50	0.10	0.084	(0.081)	0.044	0.040
247	20.58	0.10	0.084	(0.081)	0.044	0.040
248	20.67	0.10	0.084	(0.081)	0.044	0.040
249	20.75	0.10	0.084	(0.080)	0.044	0.040
250	20.83	0.07	0.056	(0.080)	0.029	0.027
251	20.92	0.07	0.056	(0.080)	0.029	0.027
252	21.00	0.07	0.056	(0.079)	0.029	0.027
253	21.08	0.10	0.084	(0.079)	0.044	0.040
254	21.17	0.10	0.084	(0.079)	0.044	0.040
255	21.25	0.10	0.084	(0.079)	0.044	0.040
256	21.33	0.07	0.056	(0.078)	0.029	0.027
257	21.42	0.07	0.056	(0.078)	0.029	0.027
258	21.50	0.07	0.056	(0.078)	0.029	0.027
259	21.58	0.10	0.084	(0.077)	0.044	0.040
260	21.67	0.10	0.084	(0.077)	0.044	0.040
261	21.75	0.10	0.084	(0.077)	0.044	0.040
262	21.83	0.07	0.056	(0.077)	0.029	0.027
263	21.92	0.07	0.056	(0.076)	0.029	0.027
264	22.00	0.07	0.056	(0.076)	0.029	0.027
265	22.08	0.10	0.084	(0.076)	0.044	0.040
266	22.17	0.10	0.084	(0.076)	0.044	0.040
267	22.25	0.10	0.084	(0.075)	0.044	0.040
268	22.33	0.07	0.056	(0.075)	0.029	0.027
269	22.42	0.07	0.056	(0.075)	0.029	0.027
270	22.50	0.07	0.056	(0.075)	0.029	0.027
271	22.58	0.07	0.056	(0.074)	0.029	0.027
272	22.67	0.07	0.056	(0.074)	0.029	0.027
273	22.75	0.07	0.056	(0.074)	0.029	0.027
274	22.83	0.07	0.056	(0.074)	0.029	0.027
275	22.92	0.07	0.056	(0.074)	0.029	0.027
276	23.00	0.07	0.056	(0.073)	0.029	0.027
277	23.08	0.07	0.056	(0.073)	0.029	0.027
278	23.17	0.07	0.056	(0.073)	0.029	0.027
279	23.25	0.07	0.056	(0.073)	0.029	0.027
280	23.33	0.07	0.056	(0.073)	0.029	0.027
281	23.42	0.07	0.056	(0.073)	0.029	0.027
282	23.50	0.07	0.056	(0.073)	0.029	0.027
283	23.58	0.07	0.056	(0.072)	0.029	0.027
284	23.67	0.07	0.056	(0.072)	0.029	0.027
285	23.75	0.07	0.056	(0.072)	0.029	0.027
286	23.83	0.07	0.056	(0.072)	0.029	0.027
287	23.92	0.07	0.056	(0.072)	0.029	0.027
288	24.00	0.07	0.056	(0.072)	0.029	0.027

(Loss Rate Not Used)

Sum = 100.0 Sum = 57.9

Flood volume = Effective rainfall 4.82(In)
times area 134.0(Ac.)/[(In)/(Ft.)] = 53.8(Ac.Ft)
Total soil loss = 2.18(In)
Total soil loss = 24.307(Ac.Ft)
Total rainfall = 7.00(In)
Flood volume = 2345253.0 Cubic Feet
Total soil loss = 1058795.9 Cubic Feet

Peak flow rate of this hydrograph = 110.251(CFS)

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24 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0028	0.41	Q				
0+10	0.0159	1.90	Q				
0+15	0.0346	2.72	Q				
0+20	0.0569	3.24	Q				
0+25	0.0857	4.18	Q				
0+30	0.1182	4.72	Q				
0+35	0.1523	4.96	Q				
0+40	0.1876	5.13	VQ				
0+45	0.2237	5.24	VQ				
0+50	0.2617	5.51	VQ				
0+55	0.3052	6.32	VQ				
1+ 0	0.3518	6.77	VQ				
1+ 5	0.3982	6.74	VQ				
1+10	0.4403	6.10	VQ				
1+15	0.4800	5.77	VQ				
1+20	0.5189	5.65	VQ				
1+25	0.5574	5.59	VQ				
1+30	0.5956	5.55	VQ				
1+35	0.6336	5.52	VQ				
1+40	0.6715	5.50	VQ				
1+45	0.7092	5.48	VQ				
1+50	0.7483	5.67	VQ				
1+55	0.7924	6.40	VQ				
2+ 0	0.8392	6.80	VQ				
2+ 5	0.8872	6.96	VQ				
2+10	0.9358	7.06	VQ				
2+15	0.9849	7.13	VQ				
2+20	1.0343	7.17	VQ				
2+25	1.0839	7.20	VQ				
2+30	1.1336	7.23	VQ				
2+35	1.1849	7.44	VQ				
2+40	1.2414	8.20	VQ				
2+45	1.3008	8.62	VQ				
2+50	1.3612	8.78	|Q				
2+55	1.4224	8.88	|Q				
3+ 0	1.4840	8.94	|Q				
3+ 5	1.5458	8.98	|Q				
3+10	1.6079	9.02	|Q				
3+15	1.6702	9.04	|Q				
3+20	1.7326	9.06	|Q				
3+25	1.7950	9.07	|Q				
3+30	1.8575	9.08	|Q				
3+35	1.9201	9.08	|Q				
3+40	1.9826	9.08	|Q				
3+45	2.0451	9.08	|Q				
3+50	2.1090	9.28	|Q				
3+55	2.1781	10.03	|VQ				
4+ 0	2.2499	10.43	|VQ				
4+ 5	2.3229	10.60	|VQ				
4+10	2.3966	10.69	|VQ				
4+15	2.4706	10.76	|VQ				
4+20	2.5464	11.00	|VQ				
4+25	2.6276	11.78	|VQ				
4+30	2.7117	12.21	| Q				
4+35	2.7970	12.39	| Q				
4+40	2.8831	12.50	| Q				
4+45	2.9697	12.57	| Q				
4+50	3.0580	12.82	| Q				

4+55	3.1516	13.60	Q			
5+ 0	3.2482	14.03	Q			
5+ 5	3.3433	13.80	Q			
5+10	3.4288	12.41	Q			
5+15	3.5092	11.67	Q			
5+20	3.5890	11.60	Q			
5+25	3.6729	12.18	Q			
5+30	3.7589	12.49	Q			
5+35	3.8470	12.78	Q			
5+40	3.9404	13.57	Q			
5+45	4.0369	14.00	Q			
5+50	4.1345	14.17	QV			
5+55	4.2328	14.28	QV			
6+ 0	4.3317	14.35	QV			
6+ 5	4.4323	14.61	QV			
6+10	4.5384	15.41	Q			
6+15	4.6475	15.84	Q			
6+20	4.7579	16.02	Q			
6+25	4.8690	16.13	Q			
6+30	4.9805	16.20	Q			
6+35	5.0938	16.45	Q			
6+40	5.2125	17.23	Q			
6+45	5.3341	17.66	Q			
6+50	5.4570	17.84	QV			
6+55	5.5806	17.95	QV			
7+ 0	5.7046	18.02	QV			
7+ 5	5.8290	18.06	QV			
7+10	5.9537	18.09	QV			
7+15	6.0784	18.12	QV			
7+20	6.2047	18.34	QV			
7+25	6.3363	19.10	QV			
7+30	6.4706	19.51	QV			
7+35	6.6075	19.88	QV			
7+40	6.7505	20.75	QV			
7+45	6.8970	21.29	QV			
7+50	7.0485	22.00	QV			
7+55	7.2123	23.78	QV			
8+ 0	7.3831	24.81	QV			
8+ 5	7.5632	26.15	Q			
8+10	7.7671	29.61	Q			
8+15	7.9846	31.58	VQ			
8+20	8.2081	32.45	Q			
8+25	8.4357	33.05	Q			
8+30	8.6663	33.48	Q			
8+35	8.9019	34.22	Q			
8+40	9.1502	36.05	VQ			
8+45	9.4058	37.11	VQ			
8+50	9.6678	38.04	Q			
8+55	9.9430	39.96	Q			
9+ 0	10.2259	41.08	VQ			
9+ 5	10.5182	42.45	VQ			
9+10	10.8346	45.94	VQ			
9+15	11.1647	47.92	VQ			
9+20	11.5038	49.24	VQ			
9+25	11.8578	51.40	V Q			
9+30	12.2206	52.68	VQ			
9+35	12.5908	53.75	VQ			
9+40	12.9749	55.78	V|Q			
9+45	13.3673	56.98	V|Q			
9+50	13.7667	57.99	VQ			
9+55	14.1798	59.97	VQ			
10+ 0	14.6008	61.14	V Q			
10+ 5	15.0053	58.74	|Q			
10+10	15.3375	48.23	Q|V			
10+15	15.6308	42.59	Q |V			
10+20	15.9096	40.48	Q |V			
10+25	16.1800	39.26	Q | V			

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10+30      16.4451     38.49  |      Q  | V       |         |         |
10+35      16.7213     40.10  |       Q | V       |         |         |
10+40      17.0486     47.53  |        Q| V       |         |         |
10+45      17.4036     51.54  |         Q V       |         |         |
10+50      17.7691     53.08  |         Q  V      |         |         |
10+55      18.1410     53.99  |         Q  V      |         |         |
11+ 0      18.5173     54.64  |         Q  V      |         |         |
11+ 5      18.8945     54.77  |         Q   V     |         |         |
11+10      19.2640     53.65  |         Q   V     |         |         |
11+15      19.6300     53.14  |         Q   V     |         |         |
11+20      19.9955     53.07  |         Q   V     |         |         |
11+25      20.3612     53.10  |         Q    V    |         |         |
11+30      20.7272     53.14  |         Q    V    |         |         |
11+35      21.0874     52.30  |         Q    V    |         |         |
11+40      21.4263     49.21  |        Q|    V    |         |         |
11+45      21.7538     47.56  |        Q|     V   |         |         |
11+50      22.0801     47.37  |        Q|     V   |         |         |
11+55      22.4147     48.59  |        Q|     V   |         |         |
12+ 0      22.7539     49.25  |        Q|     V   |         |         |
12+ 5      23.1151     52.45  |         Q      V  |         |         |
12+10      23.5525     63.51  |         | Q    V  |         |         |
12+15      24.0317     69.57  |         |  Q   V  |         |         |
12+20      24.5306     72.45  |         |   Q   V |         |         |
12+25      25.0508     75.53  |         |    Q  V |         |         |
12+30      25.5840     77.41  |         |    Q   V|         |         |
12+35      26.1304     79.35  |         |    Q   V|         |         |
12+40      26.7039     83.27  |         |     Q  V|         |         |
12+45      27.2930     85.54  |         |      Q  V         |         |
12+50      27.8925     87.04  |         |      Q  V         |         |
12+55      28.5079     89.36  |         |      Q  |V        |         |
13+ 0      29.1327     90.72  |         |       Q |V        |         |
13+ 5      29.7764     93.47  |         |       Q | V       |         |
13+10      30.4769    101.71  |         |         Q V       |         |
13+15      31.2089    106.28  |         |          |Q V     |         |
13+20      31.9540    108.20  |         |          |Q V     |         |
13+25      32.7076    109.42  |         |          |Q  V    |         |
13+30      33.4669    110.25  |         |          | Q V    |         |
13+35      34.1981    106.17  |         |          |Q   V   |         |
13+40      34.8145     89.50  |         |      Q   |    V   |         |
13+45      35.3690     80.51  |         |     Q    |     V  |         |
13+50      35.8999     77.09  |         |    Q     |     V  |         |
13+55      36.4171     75.09  |         |    Q     |      V |         |
14+ 0      36.9252     73.79  |         |   Q      |      V |         |
14+ 5      37.4388     74.57  |         |   Q      |      V |         |
14+10      37.9906     80.12  |         |     Q    |       V|         |
14+15      38.5626     83.06  |         |     Q    |       V|         |
14+20      39.1390     83.69  |         |     Q    |        V|        |
14+25      39.7087     82.72  |         |     Q    |        V|        |
14+30      40.2756     82.31  |         |     Q    |        V|        |
14+35      40.8432     82.42  |         |     Q    |         V        |
14+40      41.4119     82.57  |         |     Q    |         V        |
14+45      41.9816     82.72  |         |     Q    |         |V       |
14+50      42.5492     82.42  |         |     Q    |         |V       |
14+55      43.1069     80.98  |         |     Q    |         | V      |
15+ 0      43.6594     80.23  |         |     Q    |         | V      |
15+ 5      44.2070     79.51  |         |    Q     |         | V      |
15+10      44.7429     77.80  |         |    Q     |         |  V     |
15+15      45.2724     76.89  |         |    Q     |         |  V     |
15+20      45.7966     76.12  |         |    Q     |         |   V    |
15+25      46.3088     74.36  |         |   Q      |         |   V    |
15+30      46.8143     73.41  |         |   Q      |         |   V    |
15+35      47.3057     71.34  |         |   Q      |         |    V   |
15+40      47.7525     64.89  |         | Q        |         |    V   |
15+45      48.1752     61.37  |         | Q        |         |    V   |
15+50      48.5884     59.99  |         |Q         |         |     V  |
15+55      48.9958     59.16  |         |Q         |         |     V  |
16+ 0      49.3996     58.64  |         |Q         |         |     V  |
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16+ 5      49.7624     52.68  |          Q          |          |     V    |
16+10      49.9807     31.70  |      Q    |         |          |      V   |
16+15      50.1200     20.23  |    Q      |         |          |      V   |
16+20      50.2279     15.67  |  Q        |         |          |      V   |
16+25      50.3166     12.87  | Q         |         |          |      V   |
16+30      50.3926     11.04  | Q         |         |          |      V   |
16+35      50.4590      9.64  |Q          |         |          |      V   |
16+40      50.5139      7.98  |Q          |         |          |      V   |
16+45      50.5616      6.92  |Q          |         |          |      V   |
16+50      50.6051      6.32  |Q          |         |          |      V   |
16+55      50.6455      5.86  |Q          |         |          |      V   |
17+ 0      50.6840      5.58  |Q          |         |          |      V   |
17+ 5      50.7249      5.95  |Q          |         |          |      V   |
17+10      50.7759      7.41  |Q          |         |          |      V   |
17+15      50.8324      8.20  |Q          |         |          |      V   |
17+20      50.8909      8.50  |Q          |         |          |      V   |
17+25      50.9508      8.68  |Q          |         |          |      V   |
17+30      51.0114      8.80  |Q          |         |          |      V   |
17+35      51.0726      8.89  |Q          |         |          |      V   |
17+40      51.1343      8.96  |Q          |         |          |      V   |
17+45      51.1963      9.00  |Q          |         |          |       V  |
17+50      51.2572      8.83  |Q          |         |          |       V  |
17+55      51.3130      8.11  |Q          |         |          |       V  |
18+ 0      51.3662      7.72  |Q          |         |          |       V  |
18+ 5      51.4183      7.56  |Q          |         |          |       V  |
18+10      51.4696      7.46  |Q          |         |          |       V  |
18+15      51.5206      7.40  |Q          |         |          |       V  |
18+20      51.5713      7.36  |Q          |         |          |       V  |
18+25      51.6217      7.32  |Q          |         |          |       V  |
18+30      51.6720      7.30  |Q          |         |          |       V  |
18+35      51.7207      7.08  |Q          |         |          |       V  |
18+40      51.7642      6.32  |Q          |         |          |       V  |
18+45      51.8049      5.90  |Q          |         |          |       V  |
18+50      51.8431      5.54  |Q          |         |          |       V  |
18+55      51.8754      4.70  Q           |         |          |       V  |
19+ 0      51.9045      4.23  Q           |         |          |       V  |
19+ 5      51.9336      4.23  Q           |         |          |       V  |
19+10      51.9670      4.84  Q           |         |          |       V  |
19+15      52.0025      5.16  |Q          |         |          |       V  |
19+20      52.0401      5.47  |Q          |         |          |       V  |
19+25      52.0833      6.26  |Q          |         |          |       V  |
19+30      52.1295      6.70  |Q          |         |          |       V  |
19+35      52.1755      6.69  |Q          |         |          |       V  |
19+40      52.2173      6.06  |Q          |         |          |       V  |
19+45      52.2567      5.73  |Q          |         |          |       V  |
19+50      52.2941      5.43  |Q          |         |          |       V  |
19+55      52.3260      4.63  Q           |         |          |       V  |
20+ 0      52.3548      4.19  Q           |         |          |       V  |
20+ 5      52.3838      4.20  Q           |         |          |       V  |
20+10      52.4171      4.83  Q           |         |          |       V  |
20+15      52.4526      5.16  |Q          |         |          |       V  |
20+20      52.4889      5.26  |Q          |         |          |       V  |
20+25      52.5255      5.31  |Q          |         |          |        V |
20+30      52.5623      5.35  |Q          |         |          |        V |
20+35      52.5993      5.37  |Q          |         |          |        V |
20+40      52.6365      5.39  |Q          |         |          |        V |
20+45      52.6737      5.41  |Q          |         |          |        V |
20+50      52.7097      5.22  |Q          |         |          |        V |
20+55      52.7406      4.49  Q           |         |          |        V |
21+ 0      52.7687      4.09  Q           |         |          |        V |
21+ 5      52.7972      4.13  Q           |         |          |        V |
21+10      52.8301      4.78  Q           |         |          |        V |
21+15      52.8654      5.13  |Q          |         |          |        V |
21+20      52.9001      5.04  |Q          |         |          |        V |
21+25      52.9301      4.36  Q           |         |          |        V |
21+30      52.9576      3.99  Q           |         |          |        V |
21+35      52.9856      4.06  Q           |         |          |        V |
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21+40	53.0181	4.73	Q	|	|	|	V|
21+45	53.0532	5.09	|Q	|	|	|	V|
21+50	53.0877	5.02	|Q	|	|	|	V|
21+55	53.1177	4.35	Q	|	|	|	V|
22+ 0	53.1452	3.99	Q	|	|	|	V|
22+ 5	53.1731	4.06	Q	|	|	|	V|
22+10	53.2057	4.73	Q	|	|	|	V|
22+15	53.2407	5.09	|Q	|	|	|	V|
22+20	53.2753	5.02	|Q	|	|	|	V|
22+25	53.3052	4.35	Q	|	|	|	V|
22+30	53.3327	3.99	Q	|	|	|	V|
22+35	53.3593	3.86	Q	|	|	|	V|
22+40	53.3853	3.78	Q	|	|	|	V|
22+45	53.4110	3.73	Q	|	|	|	V|
22+50	53.4365	3.70	Q	|	|	|	V|
22+55	53.4619	3.68	Q	|	|	|	V|
23+ 0	53.4871	3.67	Q	|	|	|	V|
23+ 5	53.5123	3.65	Q	|	|	|	V|
23+10	53.5373	3.64	Q	|	|	|	V|
23+15	53.5623	3.63	Q	|	|	|	V|
23+20	53.5873	3.63	Q	|	|	|	V|
23+25	53.6124	3.63	Q	|	|	|	V|
23+30	53.6374	3.63	Q	|	|	|	V|
23+35	53.6624	3.63	Q	|	|	|	V|
23+40	53.6874	3.63	Q	|	|	|	V|
23+45	53.7124	3.63	Q	|	|	|	V|
23+50	53.7374	3.63	Q	|	|	|	V|
23+55	53.7624	3.63	Q	|	|	|	V|
24+ 0	53.7874	3.63	Q	|	|	|	V|
24+ 5	53.8096	3.23	Q	|	|	|	V|
24+10	53.8215	1.73	Q	|	|	|	V|
24+15	53.8278	0.92	Q	|	|	|	V|
24+20	53.8319	0.60	Q	|	|	|	V|
24+25	53.8347	0.40	Q	|	|	|	V|
24+30	53.8366	0.27	Q	|	|	|	V|
24+35	53.8379	0.19	Q	|	|	|	V|
24+40	53.8387	0.12	Q	|	|	|	V|
24+45	53.8392	0.07	Q	|	|	|	V|
24+50	53.8395	0.04	Q	|	|	|	V|
24+55	53.8396	0.02	Q	|	|	|	V|

ROUTING

DEPTH vs OUTFLOW CALCULATIONS

			HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	WEIR	WEIR	
		No. of Holes →	**5**	**2**	**1**	0	0	0	0	0	**1**	**2**	No. of Weir
			HOLE C	**HOLE C**	**HOLE C**	HOLE C	HOLE C	HOLE C	HOLE C	HOLE C	WEIR	WEIR	
		Discharge Coefficient →	**0.6**	**0.6**	**0.6**	0.6	0.6	0.6	0.6	0.6	**3.33**	**3.33**	Weir Coefficient
			HOLE FL	**HOLE FL**	**HOLE FL**	HOLE FL	HOLE FL	HOLE FL	HOLE FL	HOLE FL	DIST TO WEIR	DIST TO WEIR	
		Distance of Holes from Basin Bottom (in) →	**0**	**4**	**55.5**	55.5	59.5	63.5	67.5	71.5	**60**	**96**	Distance of Top of Weir from Basin Bottom (in)
			HOLE R	**HOLE R**	**HOLE R**	HOLE R	HOLE R	HOLE R	HOLE R	HOLE R	WEIR LENGTH FT	WEIR LENGTH FT	
		Rect. Height (in) →	**2**	**2**	**9**	9	2	2	2	2	**30.000**	**24.000**	**Riser Pipe Perimeter (ft) =10'X5' Riser Pipe- WEIR 1**
		Rect. Width (in) →	**5**	**7**	**72**	72	84	84	84	84			**Riser Pipe Perimeter (ft) =6'X4' Riser Pipe- WEIR 2**
			CEN EL	CEN EL	**CEN EL**	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	WEIR ELEV	WEIR ELEV	
		Hole Centerline Elev (ft) →	1067.0833	1067.417	1072	1072	1072.0417	1072.375	1073.7083	1073.04	**1072.0**	**1075.0**	Top of Riser Elevation (ft)
ELEV	DEPTH	OUTFLOW											
1067.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1068.00	1	2.32	1.60	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1069.00	2	3.49	2.31	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1070.00	3	4.36	2.86	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1071.00	4	5.08	3.31	1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1072.00	5	5.71	3.71	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1073.00	6	127.85	4.07	2.21	21.67	0.00	0.00	0.00	0.00	0.00	99.90	0.00	
1074.00	7	320.00	4.40	2.40	30.64	0.00	0.00	0.00	0.00	0.00	282.56	0.00	
1075.00	8	563.91	4.70	2.58	37.53	0.00	0.00	0.00	0.00	0.00	519.10	0.00	
1076.00	9	930.19	4.99	2.74	43.33	0.00	0.00	0.00	0.00	0.00	799.20	79.92	
1077.00	10	1399.58	5.26	2.90	48.45	0.00	0.00	0.00	0.00	0.00	1116.92	226.05	
1078.00	11	1945.14	5.52	3.05	53.07	0.00	0.00	0.00	0.00	0.00	1468.22	415.28	
1079.00	12	2555.82	5.77	3.19	57.33	0.00	0.00	0.00	0.00	0.00	1850.17	639.36	
		↑									↑	↑	
		[Σ FLOWS (HOLES+RISER)]				(OUTFLOW THROUGH HOLES)					(FLOW OVER TOP OF WEIR 1)		

Note:

Orifice outflow is based on:

1. $Q=CA(2gH)^{0.5}$
   where:
   C = Coefficient, 0.6 used here
   A = Orifice Area
   H = Headwater

Weir flow is based on:

2. $Q=CLH^{1.5}$
   where:
   C = Coefficient, 3.33 used here
   L = Weir Length, Grate Perimeter was used here
   H = Headwater

RIO VISTA DEVELOPMENT, TR 37074
BASIN B
With 5@ 2"x5", 2@2"X7", 1@9"X42", 1@ 9"x72" Rectangular Orifice

STORAGE CAPACITY CALCULATION

Elevation (ft)	Contour Interval (ft)	Accumulate Depth (ft)	Area (sqft)	Area (acres)	Mean Area (acres)	Volume (ac-ft)	$Volume_{accumulat}$ (ac-ft)	$Volume_{accumulat}$ (cu-yd)	*Qout (cfs)
1067.00			86570	1.99			**0.0**	0.0	**0.00**
1068.00	1.00	**1.00**	92408	2.12	2.05	2.05	**2.05**	3314.41	**2.32**
1069.00	1.00	**2.00**	98345	2.26	2.19	2.19	**4.24**	6846.87	**3.49**
1070.00	1.00	**3.00**	104489	2.40	2.33	2.33	**6.57**	10603.06	**4.36**
1071.00	1.00	**4.00**	110626	2.54	2.47	2.47	**9.04**	14586.67	**5.08**
1072.00	1.00	**5.00**	116918	2.68	2.61	2.61	**11.65**	18800.44	**5.71**
1073.00	1.00	**6.00**	123320	2.83	2.76	2.76	**14.41**	23249.30	**127.85**
1074.00	1.00	**7.00**	129795	2.98	2.91	2.91	**17.32**	27936.61	**320.00**
1075.00	1.00	**8.00**	136371	3.13	3.06	3.06	**20.37**	32865.61	**563.91**
1076.00	1.00	**9.00**	143048	3.28	3.21	3.21	**23.58**	38040.04	**930.19**
1077.00	1.00	**10.00**	150975	3.47	3.37	3.37	**26.95**	43484.91	**1399.58**
1078.00	1.00	**11.00**	157975	3.63	3.55	3.55	**30.50**	49206.20	**1945.14**
1079.00	**1.00 SPILLWAY CREST**	**12.00**	**165067**	**3.79**	**3.71**	**3.71**	**34.21**	**55188.46**	**2555.82**

*** SEE RATING CURVE**

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 01/08/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRB242.rte

**********HYDROGRAPH DATA**********

Number of intervals = 299
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 23.531 (CFS)
Total volume = 14.468 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN B- ROUTING
2YR-24HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 299
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	2.050	2.320	2.042	2.058
2.000	4.240	3.490	4.228	4.252
3.000	6.570	4.360	6.555	6.585
4.000	9.040	5.080	9.023	9.057
5.000	11.650	5.710	11.630	11.670
6.000	14.410	127.850	13.970	14.850
7.000	17.320	320.000	16.218	18.422
8.000	20.370	563.910	18.428	22.312
9.000	23.580	930.190	20.377	26.783
10.000	26.950	1399.580	22.131	31.769
11.000	30.500	1945.140	23.802	37.198

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth .0 5.9 11.77 17.65 23.53 (Ft.)

0.083	0.16	0.00	0.001	O	|	|	|	0.00
0.167	0.73	0.00	0.004	O	|	|	|	0.00
0.250	1.05	0.01	0.010	OI	|	|	|	0.00
0.333	1.25	0.02	0.017	OI	|	|	|	0.01
0.417	1.61	0.03	0.027	O I	|	|	|	0.01
0.500	1.82	0.04	0.039	O I	|	|	|	0.02
0.583	1.91	0.06	0.051	O I	|	|	|	0.02
0.667	1.98	0.07	0.064	O I	|	|	|	0.03
0.750	2.02	0.09	0.077	O I	|	|	|	0.04
0.833	2.13	0.10	0.091	O I	|	|	|	0.04
0.917	2.44	0.12	0.106	O I	|	|	|	0.05
1.000	2.61	0.14	0.122	O I	|	|	|	0.06
1.083	2.60	0.16	0.139	O I	|	|	|	0.07
1.167	2.35	0.18	0.155	O I	|	|	|	0.08
1.250	2.22	0.19	0.170	O I	|	|	|	0.08
1.333	2.18	0.21	0.184	O I	|	|	|	0.09
1.417	2.15	0.22	0.197	O I	|	|	|	0.10
1.500	2.14	0.24	0.210	O I	|	|	|	0.10
1.583	2.13	0.25	0.223	O I	|	|	|	0.11
1.667	2.12	0.27	0.236	O I	|	|	|	0.12
1.750	2.11	0.28	0.249	O I	|	|	|	0.12
1.833	2.19	0.30	0.262	O I	|	|	|	0.13
1.917	2.47	0.31	0.276	O I	|	|	|	0.13
2.000	2.62	0.33	0.291	O I	|	|	|	0.14
2.083	2.69	0.35	0.307	O I	|	|	|	0.15
2.167	2.72	0.37	0.323	O I	|	|	|	0.16
2.250	2.75	0.38	0.339	O I	|	|	|	0.17
2.333	2.77	0.40	0.356	O I	|	|	|	0.17
2.417	2.78	0.42	0.372	O I	|	|	|	0.18
2.500	2.79	0.44	0.388	O I	|	|	|	0.19
2.583	2.87	0.46	0.404	O I	|	|	|	0.20
2.667	3.16	0.48	0.422	O I	|	|	|	0.21
2.750	3.32	0.50	0.441	O I	|	|	|	0.22
2.833	3.39	0.52	0.461	O I	|	|	|	0.22
2.917	3.42	0.54	0.480	O I	|	|	|	0.23
3.000	3.45	0.57	0.500	O I	|	|	|	0.24
3.083	3.47	0.59	0.520	O I	|	|	|	0.25
3.167	3.48	0.61	0.540	O I	|	|	|	0.26
3.250	3.49	0.63	0.559	O I	|	|	|	0.27
3.333	3.49	0.66	0.579	O I	|	|	|	0.28
3.417	3.50	0.68	0.599	O I	|	|	|	0.29
3.500	3.50	0.70	0.618	O I	|	|	|	0.30
3.583	3.50	0.72	0.637	O I	|	|	|	0.31
3.667	3.50	0.74	0.656	|O I	|	|	|	0.32
3.750	3.50	0.76	0.675	|O I	|	|	|	0.33
3.833	3.58	0.79	0.694	|O I	|	|	|	0.34
3.917	3.87	0.81	0.714	|O I	|	|	|	0.35
4.000	4.02	0.83	0.736	|O I	|	|	|	0.36
4.083	4.09	0.86	0.758	|O I	|	|	|	0.37
4.167	4.12	0.88	0.780	|O I	|	|	|	0.38
4.250	4.15	0.91	0.803	|O I	|	|	|	0.39
4.333	4.24	0.93	0.825	|O I	|	|	|	0.40
4.417	4.54	0.96	0.849	|O I	|	|	|	0.41
4.500	4.71	0.99	0.874	|O I	|	|	|	0.43
4.583	4.78	1.02	0.900	|O I	|	|	|	0.44
4.667	4.82	1.05	0.926	|O I	|	|	|	0.45
4.750	4.85	1.08	0.952	|O I	|	|	|	0.46
4.833	4.94	1.11	0.978	|O I	|	|	|	0.48
4.917	5.25	1.14	1.005	|O I|	|	|	|	0.49
5.000	5.41	1.17	1.034	|O I|	|	|	|	0.50
5.083	5.32	1.20	1.063	|O I|	|	|	|	0.52
5.167	4.79	1.23	1.089	|O I |	|	|	|	0.53
5.250	4.50	1.26	1.113	|O I |	|	|	|	0.54
5.333	4.47	1.28	1.135	|O I |	|	|	|	0.55
5.417	4.70	1.31	1.157	|O I |	|	|	|	0.56
5.500	4.82	1.34	1.181	|O I |	|	|	|	0.58
5.583	4.93	1.36	1.205	|O I |	|	|	|	0.59
5.667	5.23	1.39	1.231	|O I|	|	|	|	0.60

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 5.750    5.40    1.42      1.258  |O     I|       |       |       |     0.61
 5.833    5.47    1.45      1.285  |O     I|       |       |       |     0.63
 5.917    5.51    1.49      1.313  | O    I|       |       |       |     0.64
 6.000    5.54    1.52      1.341  | O    I|       |       |       |     0.65
 6.083    5.64    1.55      1.369  | O    I|       |       |       |     0.67
 6.167    5.94    1.58      1.398  | O     I       |       |       |     0.68
 6.250    6.11    1.62      1.428  | O     I       |       |       |     0.70
 6.333    6.18    1.65      1.459  | O     I       |       |       |     0.71
 6.417    6.22    1.69      1.490  | O     I       |       |       |     0.73
 6.500    6.25    1.72      1.522  | O     I       |       |       |     0.74
 6.583    6.34    1.76      1.553  | O     I       |       |       |     0.76
 6.667    6.65    1.79      1.586  | O     |I      |       |       |     0.77
 6.750    6.81    1.83      1.619  | O     |I      |       |       |     0.79
 6.833    6.88    1.87      1.654  | O     |I      |       |       |     0.81
 6.917    6.92    1.91      1.688  | O     |I      |       |       |     0.82
 7.000    6.95    1.95      1.723  | O     |I      |       |       |     0.84
 7.083    6.97    1.99      1.757  | O     |I      |       |       |     0.86
 7.167    6.98    2.03      1.791  | O     |I      |       |       |     0.87
 7.250    6.99    2.07      1.825  | O     |I      |       |       |     0.89
 7.333    7.07    2.10      1.859  | O     |I      |       |       |     0.91
 7.417    7.37    2.14      1.895  | O     | I     |       |       |     0.92
 7.500    7.53    2.19      1.931  | O     | I     |       |       |     0.94
 7.583    7.67    2.23      1.968  |  O    | I     |       |       |     0.96
 7.667    7.99    2.27      2.006  |  O    | I     |       |       |     0.98
 7.750    8.17    2.32      2.046  |  O    |  I    |       |       |     1.00
 7.833    8.33    2.34      2.087  |  O    |  I    |       |       |     1.02
 7.917    8.67    2.36      2.129  |  O    |  I    |       |       |     1.04
 8.000    8.86    2.39      2.173  |  O    |   I   |       |       |     1.06
 8.083    9.10    2.41      2.219  |  O    |   I   |       |       |     1.08
 8.167    9.73    2.44      2.267  |  O    |    I  |       |       |     1.10
 8.250   10.08    2.46      2.318  |  O    |    I  |       |       |     1.12
 8.333   10.23    2.49      2.371  |  O    |    I  |       |       |     1.15
 8.417   10.32    2.52      2.425  |  O    |     I |       |       |     1.17
 8.500   10.38    2.55      2.479  |  O    |     I |       |       |     1.20
 8.583   10.50    2.58      2.533  |  O    |     I |       |       |     1.22
 8.667   10.82    2.61      2.588  |  O    |     I |       |       |     1.25
 8.750   11.00    2.64      2.646  |  O    |     I |       |       |     1.27
 8.833   11.15    2.67      2.704  |  O    |      I|       |       |     1.30
 8.917   11.49    2.70      2.763  |  O    |      I|       |       |     1.33
 9.000   11.68    2.73      2.824  |  O    |      I|       |       |     1.35
 9.083   11.91    2.77      2.886  |  O    |       I       |       |     1.38
 9.167   12.54    2.80      2.951  |  O    |       |I      |       |     1.41
 9.250   12.88    2.84      3.019  |  O    |       |I      |       |     1.44
 9.333   13.11    2.88      3.089  |  O    |       |I      |       |     1.47
 9.417   13.49    2.91      3.161  |  O    |       | I     |       |     1.51
 9.500   13.71    2.95      3.234  |   O   |       | I     |       |     1.54
 9.583   13.89    2.99      3.309  |   O   |       | I     |       |     1.57
 9.667   14.25    3.03      3.385  |   O   |       |  I    |       |     1.61
 9.750   14.45    3.07      3.463  |   O   |       |  I    |       |     1.65
 9.833   14.62    3.12      3.542  |   O   |       |  I    |       |     1.68
 9.917   14.97    3.16      3.622  |   O   |       |   I   |       |     1.72
10.000   15.16    3.20      3.704  |   O   |       |   I   |       |     1.76
10.083   14.70    3.25      3.784  |   O   |       |  I    |       |     1.79
10.167   12.74    3.29      3.856  |   O   |       |I      |       |     1.82
10.250   11.67    3.32      3.918  |   O   |      I|       |       |     1.85
10.333   11.26    3.35      3.974  |   O   |      I|       |       |     1.88
10.417   11.02    3.38      4.027  |   O   |     I |       |       |     1.90
10.500   10.86    3.40      4.079  |   O   |     I |       |       |     1.93
10.583   11.14    3.43      4.131  |   O   |      I|       |       |     1.95
10.667   12.50    3.46      4.189  |   O   |       I       |       |     1.98
10.750   13.22    3.50      4.254  |   O   |       |I      |       |     2.01
10.833   13.49    3.52      4.321  |   O   |       | I     |       |     2.03
10.917   13.64    3.55      4.391  |   O   |       | I     |       |     2.06
11.000   13.74    3.57      4.460  |   O   |       | I     |       |     2.09
11.083   13.75    3.60      4.530  |   O   |       | I     |       |     2.12
11.167   13.52    3.62      4.599  |   O   |       | I     |       |     2.15
11.250   13.41    3.65      4.667  |   O   |       | I     |       |     2.18
11.333   13.38    3.67      4.734  |   O   |       | I     |       |     2.21
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11.417	13.37	3.70	4.801	| O |	| I |	|	2.24
11.500	13.36	3.72	4.867	| O |	| I |	|	2.27
11.583	13.18	3.75	4.933	| O |	|I |	|	2.30
11.667	12.59	3.77	4.996	| O |	|I |	|	2.32
11.750	12.27	3.79	5.055	| O |	I |	|	2.35
11.833	12.22	3.82	5.113	| O |	I |	|	2.37
11.917	12.43	3.84	5.172	| O |	I |	|	2.40
12.000	12.53	3.86	5.231	| O |	|I |	|	2.43
12.083	13.11	3.88	5.293	| O |	|I |	|	2.45
12.167	15.14	3.91	5.364	| O |	| I |	|	2.48
12.250	16.25	3.94	5.445	| O |	| I |	|	2.52
12.333	16.76	3.97	5.531	| O |	| I |	|	2.55
12.417	17.31	4.01	5.621	| O |	| I|	|	2.59
12.500	17.65	4.04	5.714	| O |	| I|	|	2.63
12.583	17.99	4.08	5.808	| O |	| I |	|	2.67
12.667	18.70	4.11	5.906	| O |	| |I |	|	2.72
12.750	19.10	4.15	6.008	| O |	| |I |	|	2.76
12.833	19.36	4.19	6.112	| O |	| | I |	|	2.80
12.917	19.78	4.23	6.218	| O |	| | I |	|	2.85
13.000	20.01	4.27	6.325	| O |	| | I |	|	2.90
13.083	20.50	4.31	6.435	| O |	| | I |	|	2.94
13.167	22.01	4.35	6.552	| O |	| | I |	|	2.99
13.250	22.84	4.39	6.676	| O |	| | I|	|	3.04
13.333	23.18	4.43	6.804	| O |	| | I|	|	3.09
13.417	23.39	4.47	6.934	| O |	| | I|	|	3.15
13.500	23.53	4.50	7.065	| O |	| | I	|	3.20
13.583	22.76	4.54	7.193	| O |	| | I |	|	3.25
13.667	19.66	4.58	7.308	| O |	| | I |	|	3.30
13.750	17.98	4.60	7.406	| O |	| I |	|	3.34
13.833	17.33	4.63	7.496	| O |	| I|	|	3.37
13.917	16.94	4.65	7.582	| O |	| I|	|	3.41
14.000	16.69	4.68	7.665	| O |	| I |	|	3.44
14.083	16.81	4.70	7.748	| O |	| I |	|	3.48
14.167	17.83	4.73	7.835	| O |	| I |	|	3.51
14.250	18.36	4.76	7.927	| O |	| I |	|	3.55
14.333	18.46	4.78	8.021	| O |	| |I |	|	3.59
14.417	18.26	4.81	8.114	| O |	| I |	|	3.63
14.500	18.17	4.84	8.207	| O |	| I |	|	3.66
14.583	18.18	4.86	8.299	| O |	| I |	|	3.70
14.667	18.19	4.89	8.390	| O |	| I |	|	3.74
14.750	18.20	4.92	8.482	| O |	| I |	|	3.77
14.833	18.13	4.94	8.573	| O |	| I |	|	3.81
14.917	17.85	4.97	8.663	| O |	| I |	|	3.85
15.000	17.70	5.00	8.751	| O |	| I |	|	3.88
15.083	17.55	5.02	8.838	| O |	| I|	|	3.92
15.167	17.22	5.05	8.923	| O |	| I|	|	3.95
15.250	17.04	5.07	9.006	| O |	| I|	|	3.99
15.333	16.88	5.09	9.088	| O |	| I |	|	4.02
15.417	16.54	5.11	9.168	| O |	| I |	|	4.05
15.500	16.35	5.13	9.246	| O |	| I |	|	4.08
15.583	15.95	5.15	9.321	| O|	| I |	|	4.11
15.667	14.74	5.16	9.392	| O|	| I |	|	4.13
15.750	14.08	5.18	9.455	| O|	| I |	|	4.16
15.833	13.81	5.19	9.516	| O|	| I |	|	4.18
15.917	13.64	5.21	9.574	| O|	| I |	|	4.20
16.000	13.53	5.22	9.632	| O|	| I |	|	4.23
16.083	12.28	5.24	9.685	| O|	|I |	|	4.25
16.167	7.90	5.24	9.718	| O| I |	|	|	4.26
16.250	**5.51**	**5.25**	**9.728**	**| O|**	**| |**	**| |**	**4.26**
16.333	4.56	5.25	9.727	| IO|	| |	| |	4.26
16.417	3.97	5.24	9.720	| I O|	| |	| |	4.26
16.500	3.59	5.24	9.710	| I O|	| |	| |	4.26
16.583	3.26	5.24	9.697	| I O|	| |	| |	4.25
16.667	2.78	5.24	9.682	| I O|	| |	| |	4.25
16.750	2.49	5.23	9.664	| I O|	| |	| |	4.24
16.833	2.34	5.23	9.645	| I O|	| |	| |	4.23
16.917	2.22	5.22	9.625	| I O|	| |	| |	4.22
17.000	2.15	5.22	9.604	| I O|	| |	| |	4.22

17.083	2.29	5.21	9.583	I O				4.21
17.167	2.86	5.21	9.565	I O				4.20
17.250	3.16	5.20	9.550	I O				4.20
17.333	3.28	5.20	9.536	I O				4.19
17.417	3.35	5.20	9.523	I O				4.19
17.500	3.40	5.19	9.511	I O				4.18
17.583	3.43	5.19	9.498	I O				4.18
17.667	3.45	5.19	9.486	I O				4.17
17.750	3.47	5.18	9.475	I O				4.17
17.833	3.41	5.18	9.463	I O				4.16
17.917	3.13	5.18	9.449	I O				4.16
18.000	2.98	5.18	9.435	I O				4.15
18.083	2.92	5.17	9.419	I O				4.15
18.167	2.88	5.17	9.404	I O				4.14
18.250	2.85	5.16	9.388	I O				4.13
18.333	2.84	5.16	9.372	I O				4.13
18.417	2.82	5.16	9.356	I O				4.12
18.500	2.82	5.15	9.340	I O				4.11
18.583	2.73	5.15	9.324	I O				4.11
18.667	2.44	5.14	9.306	I O				4.10
18.750	2.28	5.14	9.287	I O				4.09
18.833	2.14	5.13	9.267	I O				4.09
18.917	1.81	5.13	9.245	I O				4.08
19.000	1.63	5.12	9.221	I O				4.07
19.083	1.63	5.12	9.197	I O				4.06
19.167	1.87	5.11	9.174	I O				4.05
19.250	1.99	5.11	9.152	I O				4.04
19.333	2.11	5.10	9.131	I O				4.03
19.417	2.42	5.10	9.112	I O				4.03
19.500	2.59	5.09	9.094	I O				4.02
19.583	2.58	5.09	9.076	I O				4.01
19.667	2.34	5.08	9.058	I O				4.01
19.750	2.21	5.08	9.039	I O				4.00
19.833	2.09	5.07	9.019	I O				3.99
19.917	1.79	5.07	8.997	I O				3.98
20.000	1.62	5.06	8.974	I O				3.97
20.083	1.62	5.05	8.950	I O				3.96
20.167	1.86	5.05	8.928	I O				3.95
20.250	1.99	5.04	8.906	I O				3.95
20.333	2.03	5.03	8.885	I O				3.94
20.417	2.05	5.03	8.865	I O				3.93
20.500	2.06	5.02	8.844	I O				3.92
20.583	2.07	5.02	8.824	I O				3.91
20.667	2.08	5.01	8.804	I O				3.90
20.750	2.09	5.01	8.784	I O				3.90
20.833	2.01	5.00	8.763	I O				3.89
20.917	1.73	4.99	8.742	I O				3.88
21.000	1.58	4.99	8.719	I O				3.87
21.083	1.59	4.98	8.695	I O				3.86
21.167	1.84	4.97	8.673	I O				3.85
21.250	1.98	4.97	8.652	I O				3.84
21.333	1.94	4.96	8.631	I O				3.83
21.417	1.68	4.95	8.610	I O				3.83
21.500	1.54	4.95	8.587	I O				3.82
21.583	1.57	4.94	8.563	I O				3.81
21.667	1.82	4.93	8.541	I O				3.80
21.750	1.96	4.93	8.520	I O				3.79
21.833	1.94	4.92	8.499	I O				3.78
21.917	1.68	4.92	8.478	I O				3.77
22.000	1.54	4.91	8.455	I O				3.76
22.083	1.57	4.90	8.432	I O				3.75
22.167	1.82	4.90	8.410	I O				3.74
22.250	1.96	4.89	8.389	I O				3.74
22.333	1.94	4.88	8.369	I O				3.73
22.417	1.68	4.88	8.348	I O				3.72
22.500	1.54	4.87	8.325	I O				3.71
22.583	1.49	4.86	8.302	I O				3.70
22.667	1.46	4.86	8.279	I O				3.69

22.750	1.44	4.85	8.256	|I	O |	|	|	|	3.68
22.833	1.43	4.84	8.232	|I	O |	|	|	|	3.67
22.917	1.42	4.84	8.209	|I	O |	|	|	|	3.66
23.000	1.41	4.83	8.185	|I	O |	|	|	|	3.65
23.083	1.41	4.82	8.161	|I	O |	|	|	|	3.64
23.167	1.40	4.82	8.138	|I	O |	|	|	|	3.63
23.250	1.40	4.81	8.114	|I	O |	|	|	|	3.63
23.333	1.40	4.80	8.091	|I	O |	|	|	|	3.62
23.417	1.40	4.80	8.068	|I	O |	|	|	|	3.61
23.500	1.40	4.79	8.044	|I	O |	|	|	|	3.60
23.583	1.40	4.78	8.021	|I	O |	|	|	|	3.59
23.667	1.40	4.78	7.998	|I	O |	|	|	|	3.58
23.750	1.40	4.77	7.974	|I	O |	|	|	|	3.57
23.833	1.40	4.76	7.951	|I	O |	|	|	|	3.56
23.917	1.40	4.76	7.928	|I	O |	|	|	|	3.55
24.000	1.40	4.75	7.905	|I	O |	|	|	|	3.54
24.083	1.24	4.74	7.881	|I	O |	|	|	|	3.53
24.167	0.67	4.73	7.855	I	O |	|	|	|	3.52
24.250	0.35	4.73	7.826	I	O |	|	|	|	3.51
24.333	0.23	4.72	7.796	I	O |	|	|	|	3.50
24.417	0.15	4.71	7.765	I	O |	|	|	|	3.48
24.500	0.11	4.70	7.733	I	O |	|	|	|	3.47
24.583	0.07	4.69	7.701	I	O |	|	|	|	3.46
24.667	0.05	4.68	7.670	I	O |	|	|	|	3.45
24.750	0.03	4.67	7.638	I	O |	|	|	|	3.43
24.833	0.02	4.66	7.606	I	O |	|	|	|	3.42
24.917	0.01	4.65	7.574	I	O |	|	|	|	3.41
25.000	0.00	4.64	7.542	I	O |	|	|	|	3.39
25.083	0.00	4.63	7.510	I	O |	|	|	|	3.38
25.167	0.00	4.62	7.478	I	O |	|	|	|	3.37
25.250	0.00	4.62	7.446	I	O |	|	|	|	3.35
25.333	0.00	4.61	7.414	I	O |	|	|	|	3.34
25.417	0.00	4.60	7.383	I	O |	|	|	|	3.33
25.500	0.00	4.59	7.351	I	O |	|	|	|	3.32
25.583	0.00	4.58	7.319	I	O |	|	|	|	3.30
25.667	0.00	4.57	7.288	I	O |	|	|	|	3.29
25.750	0.00	4.56	7.256	I	O |	|	|	|	3.28
25.833	0.00	4.55	7.225	I	O |	|	|	|	3.27
25.917	0.00	4.54	7.194	I	O |	|	|	|	3.25
26.000	0.00	4.53	7.163	I	O |	|	|	|	3.24
26.083	0.00	4.52	7.131	I	O |	|	|	|	3.23
26.167	0.00	4.51	7.100	I	O |	|	|	|	3.21
26.250	0.00	4.51	7.069	I	O |	|	|	|	3.20
26.333	0.00	4.50	7.038	I	O |	|	|	|	3.19
26.417	0.00	4.49	7.007	I	O |	|	|	|	3.18
26.500	0.00	4.48	6.976	I	O |	|	|	|	3.16
26.583	0.00	4.47	6.946	I	O |	|	|	|	3.15
26.667	0.00	4.46	6.915	I	O |	|	|	|	3.14
26.750	0.00	4.45	6.884	I	O |	|	|	|	3.13
26.833	0.00	4.44	6.853	I	O |	|	|	|	3.11
26.917	0.00	4.43	6.823	I	O |	|	|	|	3.10
27.000	0.00	4.42	6.792	I	O |	|	|	|	3.09
27.083	0.00	4.42	6.762	I	O |	|	|	|	3.08
27.167	0.00	4.41	6.732	I	O |	|	|	|	3.07
27.250	0.00	4.40	6.701	I	O |	|	|	|	3.05
27.333	0.00	4.39	6.671	I	O |	|	|	|	3.04
27.417	0.00	4.38	6.641	I	O |	|	|	|	3.03
27.500	0.00	4.37	6.611	I	O |	|	|	|	3.02
27.583	0.00	4.36	6.581	I	O |	|	|	|	3.00
27.667	0.00	4.35	6.551	I	O |	|	|	|	2.99
27.750	0.00	4.34	6.521	I	O |	|	|	|	2.98
27.833	0.00	4.33	6.491	I	O |	|	|	|	2.97
27.917	0.00	4.32	6.461	I	O |	|	|	|	2.95
28.000	0.00	4.31	6.431	I	O |	|	|	|	2.94
28.083	0.00	4.30	6.402	I	O |	|	|	|	2.93
28.167	0.00	4.29	6.372	I	O |	|	|	|	2.92
28.250	0.00	4.28	6.343	I	O |	|	|	|	2.90
28.333	0.00	4.26	6.313	I	O |	|	|	|	2.89

28.417	0.00	4.25	6.284	I	O	|	|	|	|	2.88
28.500	0.00	4.24	6.255	I	O	|	|	|	|	2.86
28.583	0.00	4.23	6.225	I	O	|	|	|	|	2.85
28.667	0.00	4.22	6.196	I	O	|	|	|	|	2.84
28.750	0.00	4.21	6.167	I	O	|	|	|	|	2.83
28.833	0.00	4.20	6.138	I	O	|	|	|	|	2.81
28.917	0.00	4.19	6.109	I	O	|	|	|	|	2.80
29.000	0.00	4.18	6.081	I	O	|	|	|	|	2.79
29.083	0.00	4.17	6.052	I	O	|	|	|	|	2.78
29.167	0.00	4.16	6.023	I	O	|	|	|	|	2.77
29.250	0.00	4.15	5.995	I	O	|	|	|	|	2.75
29.333	0.00	4.13	5.966	I	O	|	|	|	|	2.74
29.417	0.00	4.12	5.938	I	O	|	|	|	|	2.73
29.500	0.00	4.11	5.909	I	O	|	|	|	|	2.72
29.583	0.00	4.10	5.881	I	O	|	|	|	|	2.70
29.667	0.00	4.09	5.853	I	O	|	|	|	|	2.69
29.750	0.00	4.08	5.825	I	O	|	|	|	|	2.68
29.833	0.00	4.07	5.797	I	O	|	|	|	|	2.67
29.917	0.00	4.06	5.769	I	O	|	|	|	|	2.66
30.000	0.00	4.05	5.741	I	O	|	|	|	|	2.64
30.083	0.00	4.04	5.713	I	O	|	|	|	|	2.63
30.167	0.00	4.03	5.685	I	O	|	|	|	|	2.62
30.250	0.00	4.02	5.657	I	O	|	|	|	|	2.61
30.333	0.00	4.01	5.630	I	O	|	|	|	|	2.60
30.417	0.00	4.00	5.602	I	O	|	|	|	|	2.58
30.500	0.00	3.99	5.575	I	O	|	|	|	|	2.57
30.583	0.00	3.98	5.547	I	O	|	|	|	|	2.56
30.667	0.00	3.97	5.520	I	O	|	|	|	|	2.55
30.750	0.00	3.96	5.493	I	O	|	|	|	|	2.54
30.833	0.00	3.95	5.465	I	O	|	|	|	|	2.53
30.917	0.00	3.94	5.438	I	O	|	|	|	|	2.51
31.000	0.00	3.93	5.411	I	O	|	|	|	|	2.50
31.083	0.00	3.92	5.384	I	O	|	|	|	|	2.49
31.167	0.00	3.91	5.357	I	O	|	|	|	|	2.48
31.250	0.00	3.90	5.330	I	O	|	|	|	|	2.47
31.333	0.00	3.89	5.303	I	O	|	|	|	|	2.46
31.417	0.00	3.88	5.277	I	O	|	|	|	|	2.44
31.500	0.00	3.87	5.250	I	O	|	|	|	|	2.43
31.583	0.00	3.86	5.223	I	O	|	|	|	|	2.42
31.667	0.00	3.85	5.197	I	O	|	|	|	|	2.41
31.750	0.00	3.84	5.170	I	O	|	|	|	|	2.40
31.833	0.00	3.83	5.144	I	O	|	|	|	|	2.39
31.917	0.00	3.82	5.118	I	O	|	|	|	|	2.38
32.000	0.00	3.81	5.091	I	O	|	|	|	|	2.37
32.083	0.00	3.80	5.065	I	O	|	|	|	|	2.35
32.167	0.00	3.79	5.039	I	O	|	|	|	|	2.34
32.250	0.00	3.78	5.013	I	O	|	|	|	|	2.33
32.333	0.00	3.77	4.987	I	O	|	|	|	|	2.32
32.417	0.00	3.76	4.961	I	O	|	|	|	|	2.31
32.500	0.00	3.75	4.935	I	O	|	|	|	|	2.30
32.583	0.00	3.74	4.910	I	O	|	|	|	|	2.29
32.667	0.00	3.73	4.884	I	O	|	|	|	|	2.28
32.750	0.00	3.72	4.858	I	O	|	|	|	|	2.27
32.833	0.00	3.71	4.833	I	O	|	|	|	|	2.25
32.917	0.00	3.70	4.807	I	O	|	|	|	|	2.24
33.000	0.00	3.69	4.782	I	O	|	|	|	|	2.23
33.083	0.00	3.68	4.756	I	O	|	|	|	|	2.22
33.167	0.00	3.67	4.731	I	O	|	|	|	|	2.21
33.250	0.00	3.66	4.706	I	O	|	|	|	|	2.20
33.333	0.00	3.65	4.680	I	O	|	|	|	|	2.19
33.417	0.00	3.65	4.655	I	O	|	|	|	|	2.18
33.500	0.00	3.64	4.630	I	O	|	|	|	|	2.17
33.583	0.00	3.63	4.605	I	O	|	|	|	|	2.16
33.667	0.00	3.62	4.580	I	O	|	|	|	|	2.15
33.750	0.00	3.61	4.555	I	O	|	|	|	|	2.14
33.833	0.00	3.60	4.531	I	O	|	|	|	|	2.12
33.917	0.00	3.59	4.506	I	O	|	|	|	|	2.11
34.000	0.00	3.58	4.481	I	O	|	|	|	|	2.10

34.083	0.00	3.57	4.456	I	O	|	|	|	|	2.09
34.167	0.00	3.56	4.432	I	O	|	|	|	|	2.08
34.250	0.00	3.55	4.407	I	O	|	|	|	|	2.07
34.333	0.00	3.54	4.383	I	O	|	|	|	|	2.06
34.417	0.00	3.53	4.359	I	O	|	|	|	|	2.05
34.500	0.00	3.53	4.334	I	O	|	|	|	|	2.04
34.583	0.00	3.52	4.310	I	O	|	|	|	|	2.03
34.667	0.00	3.51	4.286	I	O	|	|	|	|	2.02
34.750	0.00	3.50	4.262	I	O	|	|	|	|	2.01
34.833	0.00	3.49	4.238	I	O	|	|	|	|	2.00
34.917	0.00	3.48	4.214	I	O	|	|	|	|	1.99
35.000	0.00	3.46	4.190	I	O	|	|	|	|	1.98
35.083	0.00	3.45	4.166	I	O	|	|	|	|	1.97
35.167	0.00	3.44	4.142	I	O	|	|	|	|	1.96
35.250	0.00	3.43	4.119	I	O	|	|	|	|	1.94
35.333	0.00	3.41	4.095	I	O	|	|	|	|	1.93
35.417	0.00	3.40	4.072	I	O	|	|	|	|	1.92
35.500	0.00	3.39	4.048	I	O	|	|	|	|	1.91
35.583	0.00	3.38	4.025	I	O	|	|	|	|	1.90
35.667	0.00	3.36	4.002	I	O	|	|	|	|	1.89
35.750	0.00	3.35	3.979	I	O	|	|	|	|	1.88
35.833	0.00	3.34	3.956	I	O	|	|	|	|	1.87
35.917	0.00	3.33	3.933	I	O	|	|	|	|	1.86
36.000	0.00	3.31	3.910	I	O	|	|	|	|	1.85
36.083	0.00	3.30	3.887	I	O	|	|	|	|	1.84
36.167	0.00	3.29	3.864	I	O	|	|	|	|	1.83
36.250	0.00	3.28	3.842	I	O	|	|	|	|	1.82
36.333	0.00	3.27	3.819	I	O	|	|	|	|	1.81
36.417	0.00	3.25	3.797	I	O	|	|	|	|	1.80
36.500	0.00	3.24	3.774	I	O	|	|	|	|	1.79
36.583	0.00	3.23	3.752	I	O	|	|	|	|	1.78
36.667	0.00	3.22	3.730	I	O	|	|	|	|	1.77
36.750	0.00	3.21	3.708	I	O	|	|	|	|	1.76
36.833	0.00	3.19	3.686	I	O	|	|	|	|	1.75
36.917	0.00	3.18	3.664	I	O	|	|	|	|	1.74
37.000	0.00	3.17	3.642	I	O	|	|	|	|	1.73
37.083	0.00	3.16	3.620	I	O	|	|	|	|	1.72
37.167	0.00	3.15	3.598	I	O	|	|	|	|	1.71
37.250	0.00	3.14	3.577	I	O	|	|	|	|	1.70
37.333	0.00	3.12	3.555	I	O	|	|	|	|	1.69
37.417	0.00	3.11	3.534	I	O	|	|	|	|	1.68
37.500	0.00	3.10	3.512	I	O	|	|	|	|	1.67
37.583	0.00	3.09	3.491	I	O	|	|	|	|	1.66
37.667	0.00	3.08	3.470	I	O	|	|	|	|	1.65
37.750	0.00	3.07	3.449	I	O	|	|	|	|	1.64
37.833	0.00	3.06	3.428	I	O	|	|	|	|	1.63
37.917	0.00	3.04	3.407	I	O	|	|	|	|	1.62
38.000	0.00	3.03	3.386	I	O	|	|	|	|	1.61
38.083	0.00	3.02	3.365	I	O	|	|	|	|	1.60
38.167	0.00	3.01	3.344	I	O	|	|	|	|	1.59
38.250	0.00	3.00	3.323	I	O	|	|	|	|	1.58
38.333	0.00	2.99	3.303	I	O	|	|	|	|	1.57
38.417	0.00	2.98	3.282	I	O	|	|	|	|	1.56
38.500	0.00	2.97	3.262	I	O	|	|	|	|	1.55
38.583	0.00	2.96	3.241	I	O	|	|	|	|	1.54
38.667	0.00	2.95	3.221	I	O	|	|	|	|	1.53
38.750	0.00	2.93	3.201	I	O	|	|	|	|	1.53
38.833	0.00	2.92	3.180	I	O	|	|	|	|	1.52
38.917	0.00	2.91	3.160	I	O	|	|	|	|	1.51
39.000	0.00	2.90	3.140	I	O	|	|	|	|	1.50
39.083	0.00	2.89	3.120	I	O	|	|	|	|	1.49
39.167	0.00	2.88	3.100	I	O	|	|	|	|	1.48
39.250	0.00	2.87	3.081	I	O	|	|	|	|	1.47
39.333	0.00	2.86	3.061	I	O	|	|	|	|	1.46
39.417	0.00	2.85	3.041	I	O	|	|	|	|	1.45
39.500	0.00	2.84	3.022	I	O	|	|	|	|	1.44
39.583	0.00	2.83	3.002	I	O	|	|	|	|	1.43
39.667	0.00	2.82	2.983	I	O	|	|	|	|	1.43

39.750	0.00	2.81	2.963	I	O	|	|	|	1.42
39.833	0.00	2.80	2.944	I	O	|	|	|	1.41
39.917	0.00	2.79	2.925	I	O	|	|	|	1.40
40.000	0.00	2.78	2.906	I	O	|	|	|	1.39
40.083	0.00	2.77	2.887	I	O	|	|	|	1.38
40.167	0.00	2.76	2.868	I	O	|	|	|	1.37
40.250	0.00	2.75	2.849	I	O	|	|	|	1.36
40.333	0.00	2.74	2.830	I	O	|	|	|	1.36
40.417	0.00	2.73	2.811	I	O	|	|	|	1.35
40.500	0.00	2.72	2.792	I	O	|	|	|	1.34
40.583	0.00	2.71	2.773	I	O	|	|	|	1.33
40.667	0.00	2.70	2.755	I	O	|	|	|	1.32
40.750	0.00	2.69	2.736	I	O	|	|	|	1.31
40.833	0.00	2.68	2.718	I	O	|	|	|	1.30
40.917	0.00	2.67	2.699	I	O	|	|	|	1.30
41.000	0.00	2.66	2.681	I	O	|	|	|	1.29
41.083	0.00	2.65	2.663	I	O	|	|	|	1.28
41.167	0.00	2.64	2.645	I	O	|	|	|	1.27
41.250	0.00	2.63	2.627	I	O	|	|	|	1.26
41.333	0.00	2.62	2.608	I	O	|	|	|	1.26
41.417	0.00	2.61	2.590	I	O	|	|	|	1.25
41.500	0.00	2.60	2.573	I	O	|	|	|	1.24
41.583	0.00	2.59	2.555	I	O	|	|	|	1.23
41.667	0.00	2.58	2.537	I	O	|	|	|	1.22
41.750	0.00	2.57	2.519	I	O	|	|	|	1.21
41.833	0.00	2.56	2.501	I	O	|	|	|	1.21
41.917	0.00	2.55	2.484	I	O	|	|	|	1.20
42.000	0.00	2.54	2.466	I	O	|	|	|	1.19
42.083	0.00	2.53	2.449	I	O	|	|	|	1.18
42.167	0.00	2.52	2.431	I	O	|	|	|	1.17
42.250	0.00	2.51	2.414	I	O	|	|	|	1.17
42.333	0.00	2.51	2.397	I	O	|	|	|	1.16
42.417	0.00	2.50	2.380	I	O	|	|	|	1.15
42.500	0.00	2.49	2.362	I	O	|	|	|	1.14
42.583	0.00	2.48	2.345	I	O	|	|	|	1.13
42.667	0.00	2.47	2.328	I	O	|	|	|	1.13
42.750	0.00	2.46	2.311	I	O	|	|	|	1.12
42.833	0.00	2.45	2.294	I	O	|	|	|	1.11
42.917	0.00	2.44	2.278	I	O	|	|	|	1.10
43.000	0.00	2.43	2.261	I	O	|	|	|	1.10
43.083	0.00	2.42	2.244	I	O	|	|	|	1.09
43.167	0.00	2.41	2.227	I	O	|	|	|	1.08
43.250	0.00	2.41	2.211	I	O	|	|	|	1.07
43.333	0.00	2.40	2.194	I	O	|	|	|	1.07
43.417	0.00	2.39	2.178	I	O	|	|	|	1.06
43.500	0.00	2.38	2.161	I	O	|	|	|	1.05
43.583	0.00	2.37	2.145	I	O	|	|	|	1.04
43.667	0.00	2.36	2.129	I	O	|	|	|	1.04
43.750	0.00	2.35	2.112	I	O	|	|	|	1.03
43.833	0.00	2.34	2.096	I	O	|	|	|	1.02
43.917	0.00	2.34	2.080	I	O	|	|	|	1.01
44.000	0.00	2.33	2.064	I	O	|	|	|	1.01
44.083	0.00	2.32	2.048	I	O	|	|	|	1.00
44.167	0.00	2.30	2.032	I	O	|	|	|	0.99
44.250	0.00	2.28	2.016	I	O	|	|	|	0.98
44.333	0.00	2.26	2.001	I	O	|	|	|	0.98
44.417	0.00	2.25	1.985	I	O	|	|	|	0.97
44.500	0.00	2.23	1.970	I	O	|	|	|	0.96
44.583	0.00	2.21	1.955	I	O	|	|	|	0.95
44.667	0.00	2.19	1.939	I	O	|	|	|	0.95
44.750	0.00	2.18	1.924	I	O	|	|	|	0.94
44.833	0.00	2.16	1.909	I	O	|	|	|	0.93
44.917	0.00	2.14	1.895	I	O	|	|	|	0.92
45.000	0.00	2.13	1.880	I	O	|	|	|	0.92
45.083	0.00	2.11	1.865	I	O	|	|	|	0.91
45.167	0.00	2.09	1.851	I	O	|	|	|	0.90
45.250	0.00	2.08	1.836	I	O	|	|	|	0.90
45.333	0.00	2.06	1.822	I	O	|	|	|	0.89

45.417	0.00	2.05	1.808	I O	|	|	|	0.88
45.500	0.00	2.03	1.794	I O	|	|	|	0.88
45.583	0.00	2.01	1.780	I O	|	|	|	0.87
45.667	0.00	2.00	1.766	I O	|	|	|	0.86
45.750	0.00	1.98	1.752	I O	|	|	|	0.85
45.833	0.00	1.97	1.739	I O	|	|	|	0.85
45.917	0.00	1.95	1.725	I O	|	|	|	0.84
46.000	0.00	1.94	1.712	I O	|	|	|	0.84
46.083	0.00	1.92	1.699	I O	|	|	|	0.83
46.167	0.00	1.91	1.685	I O	|	|	|	0.82
46.250	0.00	1.89	1.672	I O	|	|	|	0.82
46.333	0.00	1.88	1.659	I O	|	|	|	0.81
46.417	0.00	1.86	1.647	I O	|	|	|	0.80
46.500	0.00	1.85	1.634	I O	|	|	|	0.80
46.583	0.00	1.83	1.621	I O	|	|	|	0.79
46.667	0.00	1.82	1.608	I O	|	|	|	0.78
46.750	0.00	1.81	1.596	I O	|	|	|	0.78
46.833	0.00	1.79	1.584	I O	|	|	|	0.77
46.917	0.00	1.78	1.571	I O	|	|	|	0.77
47.000	0.00	1.76	1.559	I O	|	|	|	0.76
47.083	0.00	1.75	1.547	I O	|	|	|	0.75
47.167	0.00	1.74	1.535	I O	|	|	|	0.75
47.250	0.00	1.72	1.523	I O	|	|	|	0.74
47.333	0.00	1.71	1.511	I O	|	|	|	0.74
47.417	0.00	1.70	1.500	I O	|	|	|	0.73
47.500	0.00	1.68	1.488	I O	|	|	|	0.73
47.583	0.00	1.67	1.476	I O	|	|	|	0.72
47.667	0.00	1.66	1.465	I O	|	|	|	0.71
47.750	0.00	1.64	1.453	I O	|	|	|	0.71
47.833	0.00	1.63	1.442	I O	|	|	|	0.70
47.917	0.00	1.62	1.431	I O	|	|	|	0.70
48.000	0.00	1.61	1.420	I O	|	|	|	0.69
48.083	0.00	1.59	1.409	I O	|	|	|	0.69
48.167	0.00	1.58	1.398	I O	|	|	|	0.68
48.250	0.00	1.57	1.387	I O	|	|	|	0.68
48.333	0.00	1.56	1.376	I O	|	|	|	0.67
48.417	0.00	1.55	1.366	I O	|	|	|	0.67
48.500	0.00	1.53	1.355	I O	|	|	|	0.66
48.583	0.00	1.52	1.345	I O	|	|	|	0.66
48.667	0.00	1.51	1.334	I O	|	|	|	0.65
48.750	0.00	1.50	1.324	I O	|	|	|	0.65
48.833	0.00	1.49	1.313	I O	|	|	|	0.64
48.917	0.00	1.47	1.303	I O	|	|	|	0.64
49.000	0.00	1.46	1.293	IO	|	|	|	0.63
49.083	0.00	1.45	1.283	IO	|	|	|	0.63
49.167	0.00	1.44	1.273	IO	|	|	|	0.62
49.250	0.00	1.43	1.263	IO	|	|	|	0.62
49.333	0.00	1.42	1.253	IO	|	|	|	0.61
49.417	0.00	1.41	1.244	IO	|	|	|	0.61
49.500	0.00	1.40	1.234	IO	|	|	|	0.60
49.583	0.00	1.39	1.224	IO	|	|	|	0.60
49.667	0.00	1.37	1.215	IO	|	|	|	0.59
49.750	0.00	1.36	1.206	IO	|	|	|	0.59
49.833	0.00	1.35	1.196	IO	|	|	|	0.58
49.917	0.00	1.34	1.187	IO	|	|	|	0.58
50.000	0.00	1.33	1.178	IO	|	|	|	0.57
50.083	0.00	1.32	1.169	IO	|	|	|	0.57
50.167	0.00	1.31	1.159	IO	|	|	|	0.57
50.250	0.00	1.30	1.150	IO	|	|	|	0.56
50.333	0.00	1.29	1.142	IO	|	|	|	0.56
50.417	0.00	1.28	1.133	IO	|	|	|	0.55
50.500	0.00	1.27	1.124	IO	|	|	|	0.55
50.583	0.00	1.26	1.115	IO	|	|	|	0.54
50.667	0.00	1.25	1.106	IO	|	|	|	0.54
50.750	0.00	1.24	1.098	IO	|	|	|	0.54
50.833	0.00	1.23	1.089	IO	|	|	|	0.53
50.917	0.00	1.22	1.081	IO	|	|	|	0.53
51.000	0.00	1.21	1.073	IO	|	|	|	0.52

51.083	0.00	1.20	1.064	IO				0.52
51.167	0.00	1.19	1.056	IO				0.52
51.250	0.00	1.19	1.048	IO				0.51
51.333	0.00	1.18	1.040	IO				0.51
51.417	0.00	1.17	1.032	IO				0.50
51.500	0.00	1.16	1.024	IO				0.50
51.583	0.00	1.15	1.016	IO				0.50
51.667	0.00	1.14	1.008	IO				0.49
51.750	0.00	1.13	1.000	IO				0.49
51.833	0.00	1.12	0.992	IO				0.48
51.917	0.00	1.11	0.984	IO				0.48
52.000	0.00	1.11	0.977	IO				0.48
52.083	0.00	1.10	0.969	IO				0.47
52.167	0.00	1.09	0.962	IO				0.47
52.250	0.00	1.08	0.954	IO				0.47
52.333	0.00	1.07	0.947	IO				0.46
52.417	0.00	1.06	0.939	IO				0.46
52.500	0.00	1.05	0.932	IO				0.45
52.583	0.00	1.05	0.925	IO				0.45
52.667	0.00	1.04	0.918	IO				0.45
52.750	0.00	1.03	0.911	IO				0.44
52.833	0.00	1.02	0.904	IO				0.44
52.917	0.00	1.01	0.896	IO				0.44
53.000	0.00	1.01	0.890	IO				0.43
53.083	0.00	1.00	0.883	IO				0.43
53.167	0.00	0.99	0.876	IO				0.43
53.250	0.00	0.98	0.869	IO				0.42
53.333	0.00	0.98	0.862	IO				0.42
53.417	0.00	0.97	0.856	IO				0.42
53.500	0.00	0.96	0.849	IO				0.41
53.583	0.00	0.95	0.842	IO				0.41
53.667	0.00	0.95	0.836	IO				0.41
53.750	0.00	0.94	0.829	IO				0.40
53.833	0.00	0.93	0.823	IO				0.40
53.917	0.00	0.92	0.816	IO				0.40
54.000	0.00	0.92	0.810	IO				0.40
54.083	0.00	0.91	0.804	IO				0.39
54.167	0.00	0.90	0.798	IO				0.39
54.250	0.00	0.90	0.791	IO				0.39
54.333	0.00	0.89	0.785	IO				0.38
54.417	0.00	0.88	0.779	IO				0.38
54.500	0.00	0.87	0.773	IO				0.38
54.583	0.00	0.87	0.767	IO				0.37
54.667	0.00	0.86	0.761	IO				0.37
54.750	0.00	0.85	0.755	IO				0.37
54.833	0.00	0.85	0.749	IO				0.37
54.917	0.00	0.84	0.744	IO				0.36
55.000	0.00	0.83	0.738	IO				0.36
55.083	0.00	0.83	0.732	IO				0.36
55.167	0.00	0.82	0.726	IO				0.35
55.250	0.00	0.82	0.721	IO				0.35
55.333	0.00	0.81	0.715	IO				0.35
55.417	0.00	0.80	0.710	IO				0.35
55.500	0.00	0.80	0.704	IO				0.34
55.583	0.00	0.79	0.699	IO				0.34
55.667	0.00	0.78	0.693	IO				0.34
55.750	0.00	0.78	0.688	IO				0.34
55.833	0.00	0.77	0.682	IO				0.33
55.917	0.00	0.77	0.677	IO				0.33
56.000	0.00	0.76	0.672	IO				0.33
56.083	0.00	0.75	0.667	IO				0.33
56.167	0.00	0.75	0.662	IO				0.32
56.250	0.00	0.74	0.656	IO				0.32
56.333	0.00	0.74	0.651	IO				0.32
56.417	0.00	0.73	0.646	O				0.32
56.500	0.00	0.73	0.641	O				0.31
56.583	0.00	0.72	0.636	O				0.31
56.667	0.00	0.71	0.631	O				0.31

56.750	0.00	0.71	0.626	O	|	|	|	|	0.31
56.833	0.00	0.70	0.622	O	|	|	|	|	0.30
56.917	0.00	0.70	0.617	O	|	|	|	|	0.30
57.000	0.00	0.69	0.612	O	|	|	|	|	0.30
57.083	0.00	0.69	0.607	O	|	|	|	|	0.30
57.167	0.00	0.68	0.602	O	|	|	|	|	0.29
57.250	0.00	0.68	0.598	O	|	|	|	|	0.29
57.333	0.00	0.67	0.593	O	|	|	|	|	0.29
57.417	0.00	0.67	0.589	O	|	|	|	|	0.29
57.500	0.00	0.66	0.584	O	|	|	|	|	0.28
57.583	0.00	0.66	0.579	O	|	|	|	|	0.28
57.667	0.00	0.65	0.575	O	|	|	|	|	0.28
57.750	0.00	0.65	0.570	O	|	|	|	|	0.28
57.833	0.00	0.64	0.566	O	|	|	|	|	0.28
57.917	0.00	0.64	0.562	O	|	|	|	|	0.27
58.000	0.00	0.63	0.557	O	|	|	|	|	0.27
58.083	0.00	0.63	0.553	O	|	|	|	|	0.27
58.167	0.00	0.62	0.549	O	|	|	|	|	0.27
58.250	0.00	0.62	0.544	O	|	|	|	|	0.27
58.333	0.00	0.61	0.540	O	|	|	|	|	0.26
58.417	0.00	0.61	0.536	O	|	|	|	|	0.26
58.500	0.00	0.60	0.532	O	|	|	|	|	0.26
58.583	0.00	0.60	0.528	O	|	|	|	|	0.26
58.667	0.00	0.59	0.524	O	|	|	|	|	0.26
58.750	0.00	0.59	0.520	O	|	|	|	|	0.25
58.833	0.00	0.58	0.515	O	|	|	|	|	0.25
58.917	0.00	0.58	0.511	O	|	|	|	|	0.25
59.000	0.00	0.57	0.508	O	|	|	|	|	0.25
59.083	0.00	0.57	0.504	O	|	|	|	|	0.25
59.167	0.00	0.57	0.500	O	|	|	|	|	0.24
59.250	0.00	0.56	0.496	O	|	|	|	|	0.24
59.333	0.00	0.56	0.492	O	|	|	|	|	0.24
59.417	0.00	0.55	0.488	O	|	|	|	|	0.24
59.500	0.00	0.55	0.484	O	|	|	|	|	0.24
59.583	0.00	0.54	0.481	O	|	|	|	|	0.23
59.667	0.00	0.54	0.477	O	|	|	|	|	0.23
59.750	0.00	0.54	0.473	O	|	|	|	|	0.23
59.833	0.00	0.53	0.469	O	|	|	|	|	0.23
59.917	0.00	0.53	0.466	O	|	|	|	|	0.23
60.000	0.00	0.52	0.462	O	|	|	|	|	0.23
60.083	0.00	0.52	0.459	O	|	|	|	|	0.22
60.167	0.00	0.51	0.455	O	|	|	|	|	0.22
60.250	0.00	0.51	0.452	O	|	|	|	|	0.22
60.333	0.00	0.51	0.448	O	|	|	|	|	0.22
60.417	0.00	0.50	0.445	O	|	|	|	|	0.22
60.500	0.00	0.50	0.441	O	|	|	|	|	0.22
60.583	0.00	0.50	0.438	O	|	|	|	|	0.21
60.667	0.00	0.49	0.434	O	|	|	|	|	0.21
60.750	0.00	0.49	0.431	O	|	|	|	|	0.21
60.833	0.00	0.48	0.428	O	|	|	|	|	0.21
60.917	0.00	0.48	0.424	O	|	|	|	|	0.21
61.000	0.00	0.48	0.421	O	|	|	|	|	0.21
61.083	0.00	0.47	0.418	O	|	|	|	|	0.20
61.167	0.00	0.47	0.414	O	|	|	|	|	0.20
61.250	0.00	0.47	0.411	O	|	|	|	|	0.20
61.333	0.00	0.46	0.408	O	|	|	|	|	0.20
61.417	0.00	0.46	0.405	O	|	|	|	|	0.20
61.500	0.00	0.45	0.402	O	|	|	|	|	0.20
61.583	0.00	0.45	0.399	O	|	|	|	|	0.19
61.667	0.00	0.45	0.395	O	|	|	|	|	0.19
61.750	0.00	0.44	0.392	O	|	|	|	|	0.19
61.833	0.00	0.44	0.389	O	|	|	|	|	0.19
61.917	0.00	0.44	0.386	O	|	|	|	|	0.19
62.000	0.00	0.43	0.383	O	|	|	|	|	0.19
62.083	0.00	0.43	0.380	O	|	|	|	|	0.19
62.167	0.00	0.43	0.377	O	|	|	|	|	0.18
62.250	0.00	0.42	0.374	O	|	|	|	|	0.18
62.333	0.00	0.42	0.372	O	|	|	|	|	0.18

62.417	0.00	0.42	0.369	O	|	|	|	|	0.18
62.500	0.00	0.41	0.366	O	|	|	|	|	0.18
62.583	0.00	0.41	0.363	O	|	|	|	|	0.18
62.667	0.00	0.41	0.360	O	|	|	|	|	0.18
62.750	0.00	0.40	0.357	O	|	|	|	|	0.17
62.833	0.00	0.40	0.355	O	|	|	|	|	0.17
62.917	0.00	0.40	0.352	O	|	|	|	|	0.17
63.000	0.00	0.40	0.349	O	|	|	|	|	0.17
63.083	0.00	0.39	0.346	O	|	|	|	|	0.17
63.167	0.00	0.39	0.344	O	|	|	|	|	0.17
63.250	0.00	0.39	0.341	O	|	|	|	|	0.17
63.333	0.00	0.38	0.338	O	|	|	|	|	0.17
63.417	0.00	0.38	0.336	O	|	|	|	|	0.16
63.500	0.00	0.38	0.333	O	|	|	|	|	0.16
63.583	0.00	0.37	0.331	O	|	|	|	|	0.16
63.667	0.00	0.37	0.328	O	|	|	|	|	0.16
63.750	0.00	0.37	0.325	O	|	|	|	|	0.16
63.833	0.00	0.37	0.323	O	|	|	|	|	0.16
63.917	0.00	0.36	0.320	O	|	|	|	|	0.16
64.000	0.00	0.36	0.318	O	|	|	|	|	0.16
64.083	0.00	0.36	0.315	O	|	|	|	|	0.15
64.167	0.00	0.35	0.313	O	|	|	|	|	0.15
64.250	0.00	0.35	0.311	O	|	|	|	|	0.15
64.333	0.00	0.35	0.308	O	|	|	|	|	0.15
64.417	0.00	0.35	0.306	O	|	|	|	|	0.15
64.500	0.00	0.34	0.303	O	|	|	|	|	0.15
64.583	0.00	0.34	0.301	O	|	|	|	|	0.15
64.667	0.00	0.34	0.299	O	|	|	|	|	0.15
64.750	0.00	0.34	0.296	O	|	|	|	|	0.14
64.833	0.00	0.33	0.294	O	|	|	|	|	0.14
64.917	0.00	0.33	0.292	O	|	|	|	|	0.14
65.000	0.00	0.33	0.290	O	|	|	|	|	0.14
65.083	0.00	0.33	0.287	O	|	|	|	|	0.14
65.167	0.00	0.32	0.285	O	|	|	|	|	0.14
65.250	0.00	0.32	0.283	O	|	|	|	|	0.14
65.333	0.00	0.32	0.281	O	|	|	|	|	0.14
65.417	0.00	0.32	0.278	O	|	|	|	|	0.14
65.500	0.00	0.31	0.276	O	|	|	|	|	0.13
65.583	0.00	0.31	0.274	O	|	|	|	|	0.13
65.667	0.00	0.31	0.272	O	|	|	|	|	0.13
65.750	0.00	0.31	0.270	O	|	|	|	|	0.13
65.833	0.00	0.30	0.268	O	|	|	|	|	0.13
65.917	0.00	0.30	0.266	O	|	|	|	|	0.13
66.000	0.00	0.30	0.264	O	|	|	|	|	0.13
66.083	0.00	0.30	0.262	O	|	|	|	|	0.13
66.167	0.00	0.29	0.260	O	|	|	|	|	0.13
66.250	0.00	0.29	0.258	O	|	|	|	|	0.13
66.333	0.00	0.29	0.256	O	|	|	|	|	0.12
66.417	0.00	0.29	0.254	O	|	|	|	|	0.12
66.500	0.00	0.28	0.252	O	|	|	|	|	0.12
66.583	0.00	0.28	0.250	O	|	|	|	|	0.12
66.667	0.00	0.28	0.248	O	|	|	|	|	0.12
66.750	0.00	0.28	0.246	O	|	|	|	|	0.12
66.833	0.00	0.28	0.244	O	|	|	|	|	0.12
66.917	0.00	0.27	0.242	O	|	|	|	|	0.12
67.000	0.00	0.27	0.240	O	|	|	|	|	0.12
67.083	0.00	0.27	0.238	O	|	|	|	|	0.12
67.167	0.00	0.27	0.236	O	|	|	|	|	0.12
67.250	0.00	0.27	0.235	O	|	|	|	|	0.11
67.333	0.00	0.26	0.233	O	|	|	|	|	0.11
67.417	0.00	0.26	0.231	O	|	|	|	|	0.11
67.500	0.00	0.26	0.229	O	|	|	|	|	0.11
67.583	0.00	0.26	0.227	O	|	|	|	|	0.11
67.667	0.00	0.26	0.226	O	|	|	|	|	0.11
67.750	0.00	0.25	0.224	O	|	|	|	|	0.11
67.833	0.00	0.25	0.222	O	|	|	|	|	0.11
67.917	0.00	0.25	0.220	O	|	|	|	|	0.11
68.000	0.00	0.25	0.219	O	|	|	|	|	0.11

68.083	0.00	0.25	0.217	O					0.11
68.167	0.00	0.24	0.215	O					0.11
68.250	0.00	0.24	0.214	O					0.10
68.333	0.00	0.24	0.212	O					0.10
68.417	0.00	0.24	0.210	O					0.10
68.500	0.00	0.24	0.209	O					0.10
68.583	0.00	0.23	0.207	O					0.10
68.667	0.00	0.23	0.205	O					0.10
68.750	0.00	0.23	0.204	O					0.10
68.833	0.00	0.23	0.202	O					0.10
68.917	0.00	0.23	0.201	O					0.10
69.000	0.00	0.23	0.199	O					0.10
69.083	0.00	0.22	0.198	O					0.10
69.167	0.00	0.22	0.196	O					0.10
69.250	0.00	0.22	0.195	O					0.09
69.333	0.00	0.22	0.193	O					0.09
69.417	0.00	0.22	0.192	O					0.09
69.500	0.00	0.22	0.190	O					0.09
69.583	0.00	0.21	0.189	O					0.09
69.667	0.00	0.21	0.187	O					0.09
69.750	0.00	0.21	0.186	O					0.09
69.833	0.00	0.21	0.184	O					0.09
69.917	0.00	0.21	0.183	O					0.09
70.000	0.00	0.21	0.181	O					0.09
70.083	0.00	0.20	0.180	O					0.09
70.167	0.00	0.20	0.179	O					0.09
70.250	0.00	0.20	0.177	O					0.09
70.333	0.00	0.20	0.176	O					0.09
70.417	0.00	0.20	0.174	O					0.09
70.500	0.00	0.20	0.173	O					0.08
70.583	0.00	0.19	0.172	O					0.08
70.667	0.00	0.19	0.170	O					0.08
70.750	0.00	0.19	0.169	O					0.08
70.833	0.00	0.19	0.168	O					0.08
70.917	0.00	0.19	0.166	O					0.08
71.000	0.00	0.19	0.165	O					0.08
71.083	0.00	0.19	0.164	O					0.08
71.167	0.00	0.18	0.163	O					0.08
71.250	0.00	0.18	0.161	O					0.08
71.333	0.00	0.18	0.160	O					0.08
71.417	0.00	0.18	0.159	O					0.08
71.500	0.00	0.18	0.158	O					0.08
71.583	0.00	0.18	0.156	O					0.08
71.667	0.00	0.18	0.155	O					0.08
71.750	0.00	0.17	0.154	O					0.08
71.833	0.00	0.17	0.153	O					0.07
71.917	0.00	0.17	0.152	O					0.07
72.000	0.00	0.17	0.150	O					0.07
72.083	0.00	0.17	0.149	O					0.07
72.167	0.00	0.17	0.148	O					0.07
72.250	0.00	0.17	0.147	O					0.07
72.333	0.00	0.17	0.146	O					0.07
72.417	0.00	0.16	0.145	O					0.07
72.500	0.00	0.16	0.144	O					0.07
72.583	0.00	0.16	0.142	O					0.07
72.667	0.00	0.16	0.141	O					0.07
72.750	0.00	0.16	0.140	O					0.07
72.833	0.00	0.16	0.139	O					0.07
72.917	0.00	0.16	0.138	O					0.07
73.000	0.00	0.16	0.137	O					0.07
73.083	0.00	0.15	0.136	O					0.07
73.167	0.00	0.15	0.135	O					0.07
73.250	0.00	0.15	0.134	O					0.07
73.333	0.00	0.15	0.133	O					0.06
73.417	0.00	0.15	0.132	O					0.06
73.500	0.00	0.15	0.131	O					0.06
73.583	0.00	0.15	0.130	O					0.06
73.667	0.00	0.15	0.129	O					0.06

73.750	0.00	0.14	0.128	O	|	|	|	|	0.06
73.833	0.00	0.14	0.127	O	|	|	|	|	0.06
73.917	0.00	0.14	0.126	O	|	|	|	|	0.06
74.000	0.00	0.14	0.125	O	|	|	|	|	0.06
74.083	0.00	0.14	0.124	O	|	|	|	|	0.06
74.167	0.00	0.14	0.123	O	|	|	|	|	0.06
74.250	0.00	0.14	0.122	O	|	|	|	|	0.06
74.333	0.00	0.14	0.121	O	|	|	|	|	0.06
74.417	0.00	0.14	0.120	O	|	|	|	|	0.06
74.500	0.00	0.13	0.119	O	|	|	|	|	0.06
74.583	0.00	0.13	0.118	O	|	|	|	|	0.06
74.667	0.00	0.13	0.117	O	|	|	|	|	0.06
74.750	0.00	0.13	0.116	O	|	|	|	|	0.06
74.833	0.00	0.13	0.115	O	|	|	|	|	0.06
74.917	0.00	0.13	0.115	O	|	|	|	|	0.06
75.000	0.00	0.13	0.114	O	|	|	|	|	0.06
75.083	0.00	0.13	0.113	O	|	|	|	|	0.06
75.167	0.00	0.13	0.112	O	|	|	|	|	0.05
75.250	0.00	0.13	0.111	O	|	|	|	|	0.05
75.333	0.00	0.12	0.110	O	|	|	|	|	0.05
75.417	0.00	0.12	0.109	O	|	|	|	|	0.05
75.500	0.00	0.12	0.108	O	|	|	|	|	0.05
75.583	0.00	0.12	0.108	O	|	|	|	|	0.05
75.667	0.00	0.12	0.107	O	|	|	|	|	0.05
75.750	0.00	0.12	0.106	O	|	|	|	|	0.05
75.833	0.00	0.12	0.105	O	|	|	|	|	0.05
75.917	0.00	0.12	0.104	O	|	|	|	|	0.05
76.000	0.00	0.12	0.103	O	|	|	|	|	0.05
76.083	0.00	0.12	0.103	O	|	|	|	|	0.05
76.167	0.00	0.12	0.102	O	|	|	|	|	0.05
76.250	0.00	0.11	0.101	O	|	|	|	|	0.05
76.333	0.00	0.11	0.100	O	|	|	|	|	0.05
76.417	0.00	0.11	0.100	O	|	|	|	|	0.05
76.500	0.00	0.11	0.099	O	|	|	|	|	0.05
76.583	0.00	0.11	0.098	O	|	|	|	|	0.05
76.667	0.00	0.11	0.097	O	|	|	|	|	0.05
76.750	0.00	0.11	0.096	O	|	|	|	|	0.05
76.833	0.00	0.11	0.096	O	|	|	|	|	0.05
76.917	0.00	0.11	0.095	O	|	|	|	|	0.05
77.000	0.00	0.11	0.094	O	|	|	|	|	0.05
77.083	0.00	0.11	0.094	O	|	|	|	|	0.05
77.167	0.00	0.11	0.093	O	|	|	|	|	0.05
77.250	0.00	0.10	0.092	O	|	|	|	|	0.04
77.333	0.00	0.10	0.091	O	|	|	|	|	0.04
77.417	0.00	0.10	0.091	O	|	|	|	|	0.04
77.500	0.00	0.10	0.090	O	|	|	|	|	0.04
77.583	0.00	0.10	0.089	O	|	|	|	|	0.04
77.667	0.00	0.10	0.089	O	|	|	|	|	0.04
77.750	0.00	0.10	0.088	O	|	|	|	|	0.04
77.833	0.00	0.10	0.087	O	|	|	|	|	0.04
77.917	0.00	0.10	0.087	O	|	|	|	|	0.04
78.000	0.00	0.10	0.086	O	|	|	|	|	0.04
78.083	0.00	0.10	0.085	O	|	|	|	|	0.04
78.167	0.00	0.10	0.085	O	|	|	|	|	0.04
78.250	0.00	0.09	0.084	O	|	|	|	|	0.04
78.333	0.00	0.09	0.083	O	|	|	|	|	0.04
78.417	0.00	0.09	0.083	O	|	|	|	|	0.04
78.500	0.00	0.09	0.082	O	|	|	|	|	0.04
78.583	0.00	0.09	0.081	O	|	|	|	|	0.04
78.667	0.00	0.09	0.081	O	|	|	|	|	0.04
78.750	0.00	0.09	0.080	O	|	|	|	|	0.04
78.833	0.00	0.09	0.079	O	|	|	|	|	0.04
78.917	0.00	0.09	0.079	O	|	|	|	|	0.04
79.000	0.00	0.09	0.078	O	|	|	|	|	0.04
79.083	0.00	0.09	0.078	O	|	|	|	|	0.04
79.167	0.00	0.09	0.077	O	|	|	|	|	0.04
79.250	0.00	0.09	0.076	O	|	|	|	|	0.04
79.333	0.00	0.09	0.076	O	|	|	|	|	0.04

79.417	0.00	0.09	0.075	O	|	|	|	|	0.04
79.500	0.00	0.08	0.075	O	|	|	|	|	0.04
79.583	0.00	0.08	0.074	O	|	|	|	|	0.04
79.667	0.00	0.08	0.073	O	|	|	|	|	0.04
79.750	0.00	0.08	0.073	O	|	|	|	|	0.04
79.833	0.00	0.08	0.072	O	|	|	|	|	0.04
79.917	0.00	0.08	0.072	O	|	|	|	|	0.03
80.000	0.00	0.08	0.071	O	|	|	|	|	0.03
80.083	0.00	0.08	0.071	O	|	|	|	|	0.03
80.167	0.00	0.08	0.070	O	|	|	|	|	0.03
80.250	0.00	0.08	0.070	O	|	|	|	|	0.03
80.333	0.00	0.08	0.069	O	|	|	|	|	0.03
80.417	0.00	0.08	0.068	O	|	|	|	|	0.03
80.500	0.00	0.08	0.068	O	|	|	|	|	0.03
80.583	0.00	0.08	0.067	O	|	|	|	|	0.03
80.667	0.00	0.08	0.067	O	|	|	|	|	0.03
80.750	0.00	0.08	0.066	O	|	|	|	|	0.03
80.833	0.00	0.07	0.066	O	|	|	|	|	0.03
80.917	0.00	0.07	0.065	O	|	|	|	|	0.03
81.000	0.00	0.07	0.065	O	|	|	|	|	0.03
81.083	0.00	0.07	0.064	O	|	|	|	|	0.03
81.167	0.00	0.07	0.064	O	|	|	|	|	0.03
81.250	0.00	0.07	0.063	O	|	|	|	|	0.03
81.333	0.00	0.07	0.063	O	|	|	|	|	0.03
81.417	0.00	0.07	0.062	O	|	|	|	|	0.03
81.500	0.00	0.07	0.062	O	|	|	|	|	0.03
81.583	0.00	0.07	0.061	O	|	|	|	|	0.03
81.667	0.00	0.07	0.061	O	|	|	|	|	0.03
81.750	0.00	0.07	0.060	O	|	|	|	|	0.03
81.833	0.00	0.07	0.060	O	|	|	|	|	0.03
81.917	0.00	0.07	0.060	O	|	|	|	|	0.03
82.000	0.00	0.07	0.059	O	|	|	|	|	0.03
82.083	0.00	0.07	0.059	O	|	|	|	|	0.03
82.167	0.00	0.07	0.058	O	|	|	|	|	0.03
82.250	0.00	0.07	0.058	O	|	|	|	|	0.03
82.333	0.00	0.06	0.057	O	|	|	|	|	0.03
82.417	0.00	0.06	0.057	O	|	|	|	|	0.03
82.500	0.00	0.06	0.056	O	|	|	|	|	0.03
82.583	0.00	0.06	0.056	O	|	|	|	|	0.03
82.667	0.00	0.06	0.055	O	|	|	|	|	0.03
82.750	0.00	0.06	0.055	O	|	|	|	|	0.03
82.833	0.00	0.06	0.055	O	|	|	|	|	0.03
82.917	0.00	0.06	0.054	O	|	|	|	|	0.03
83.000	0.00	0.06	0.054	O	|	|	|	|	0.03
83.083	0.00	0.06	0.053	O	|	|	|	|	0.03
83.167	0.00	0.06	0.053	O	|	|	|	|	0.03
83.250	0.00	0.06	0.053	O	|	|	|	|	0.03
83.333	0.00	0.06	0.052	O	|	|	|	|	0.03
83.417	0.00	0.06	0.052	O	|	|	|	|	0.03
83.500	0.00	0.06	0.051	O	|	|	|	|	0.03
83.583	0.00	0.06	0.051	O	|	|	|	|	0.02
83.667	0.00	0.06	0.051	O	|	|	|	|	0.02
83.750	0.00	0.06	0.050	O	|	|	|	|	0.02
83.833	0.00	0.06	0.050	O	|	|	|	|	0.02
83.917	0.00	0.06	0.049	O	|	|	|	|	0.02
84.000	0.00	0.06	0.049	O	|	|	|	|	0.02
84.083	0.00	0.05	0.049	O	|	|	|	|	0.02
84.167	0.00	0.05	0.048	O	|	|	|	|	0.02
84.250	0.00	0.05	0.048	O	|	|	|	|	0.02
84.333	0.00	0.05	0.047	O	|	|	|	|	0.02
84.417	0.00	0.05	0.047	O	|	|	|	|	0.02
84.500	0.00	0.05	0.047	O	|	|	|	|	0.02
84.583	0.00	0.05	0.046	O	|	|	|	|	0.02
84.667	0.00	0.05	0.046	O	|	|	|	|	0.02
84.750	0.00	0.05	0.046	O	|	|	|	|	0.02
84.833	0.00	0.05	0.045	O	|	|	|	|	0.02
84.917	0.00	0.05	0.045	O	|	|	|	|	0.02
85.000	0.00	0.05	0.045	O	|	|	|	|	0.02

85.083	0.00	0.05	0.044	O	|	|	|	|	0.02
85.167	0.00	0.05	0.044	O	|	|	|	|	0.02
85.250	0.00	0.05	0.044	O	|	|	|	|	0.02
85.333	0.00	0.05	0.043	O	|	|	|	|	0.02
85.417	0.00	0.05	0.043	O	|	|	|	|	0.02
85.500	0.00	0.05	0.043	O	|	|	|	|	0.02
85.583	0.00	0.05	0.042	O	|	|	|	|	0.02
85.667	0.00	0.05	0.042	O	|	|	|	|	0.02
85.750	0.00	0.05	0.042	O	|	|	|	|	0.02
85.833	0.00	0.05	0.041	O	|	|	|	|	0.02
85.917	0.00	0.05	0.041	O	|	|	|	|	0.02
86.000	0.00	0.05	0.041	O	|	|	|	|	0.02
86.083	0.00	0.05	0.040	O	|	|	|	|	0.02
86.167	0.00	0.05	0.040	O	|	|	|	|	0.02
86.250	0.00	0.04	0.040	O	|	|	|	|	0.02
86.333	0.00	0.04	0.039	O	|	|	|	|	0.02
86.417	0.00	0.04	0.039	O	|	|	|	|	0.02
86.500	0.00	0.04	0.039	O	|	|	|	|	0.02
86.583	0.00	0.04	0.038	O	|	|	|	|	0.02
86.667	0.00	0.04	0.038	O	|	|	|	|	0.02
86.750	0.00	0.04	0.038	O	|	|	|	|	0.02
86.833	0.00	0.04	0.038	O	|	|	|	|	0.02
86.917	0.00	0.04	0.037	O	|	|	|	|	0.02
87.000	0.00	0.04	0.037	O	|	|	|	|	0.02
87.083	0.00	0.04	0.037	O	|	|	|	|	0.02
87.167	0.00	0.04	0.036	O	|	|	|	|	0.02
87.250	0.00	0.04	0.036	O	|	|	|	|	0.02
87.333	0.00	0.04	0.036	O	|	|	|	|	0.02
87.417	0.00	0.04	0.036	O	|	|	|	|	0.02
87.500	0.00	0.04	0.035	O	|	|	|	|	0.02
87.583	0.00	0.04	0.035	O	|	|	|	|	0.02
87.667	0.00	0.04	0.035	O	|	|	|	|	0.02
87.750	0.00	0.04	0.034	O	|	|	|	|	0.02
87.833	0.00	0.04	0.034	O	|	|	|	|	0.02
87.917	0.00	0.04	0.034	O	|	|	|	|	0.02
88.000	0.00	0.04	0.034	O	|	|	|	|	0.02
88.083	0.00	0.04	0.033	O	|	|	|	|	0.02
88.167	0.00	0.04	0.033	O	|	|	|	|	0.02
88.250	0.00	0.04	0.033	O	|	|	|	|	0.02
88.333	0.00	0.04	0.033	O	|	|	|	|	0.02
88.417	0.00	0.04	0.032	O	|	|	|	|	0.02
88.500	0.00	0.04	0.032	O	|	|	|	|	0.02
88.583	0.00	0.04	0.032	O	|	|	|	|	0.02
88.667	0.00	0.04	0.032	O	|	|	|	|	0.02
88.750	0.00	0.04	0.031	O	|	|	|	|	0.02
88.833	0.00	0.04	0.031	O	|	|	|	|	0.02
88.917	0.00	0.03	0.031	O	|	|	|	|	0.02
89.000	0.00	0.03	0.031	O	|	|	|	|	0.01
89.083	0.00	0.03	0.030	O	|	|	|	|	0.01
89.167	0.00	0.03	0.030	O	|	|	|	|	0.01
89.250	0.00	0.03	0.030	O	|	|	|	|	0.01
89.333	0.00	0.03	0.030	O	|	|	|	|	0.01
89.417	0.00	0.03	0.030	O	|	|	|	|	0.01
89.500	0.00	0.03	0.029	O	|	|	|	|	0.01
89.583	0.00	0.03	0.029	O	|	|	|	|	0.01
89.667	0.00	0.03	0.029	O	|	|	|	|	0.01
89.750	0.00	0.03	0.029	O	|	|	|	|	0.01
89.833	0.00	0.03	0.028	O	|	|	|	|	0.01
89.917	0.00	0.03	0.028	O	|	|	|	|	0.01
90.000	0.00	0.03	0.028	O	|	|	|	|	0.01
90.083	0.00	0.03	0.028	O	|	|	|	|	0.01
90.167	0.00	0.03	0.028	O	|	|	|	|	0.01
90.250	0.00	0.03	0.027	O	|	|	|	|	0.01
90.333	0.00	0.03	0.027	O	|	|	|	|	0.01
90.417	0.00	0.03	0.027	O	|	|	|	|	0.01
90.500	0.00	0.03	0.027	O	|	|	|	|	0.01
90.583	0.00	0.03	0.026	O	|	|	|	|	0.01
90.667	0.00	0.03	0.026	O	|	|	|	|	0.01

90.750	0.00	0.03	0.026	O	|	|	|	|	0.01
90.833	0.00	0.03	0.026	O	|	|	|	|	0.01
90.917	0.00	0.03	0.026	O	|	|	|	|	0.01
91.000	0.00	0.03	0.025	O	|	|	|	|	0.01
91.083	0.00	0.03	0.025	O	|	|	|	|	0.01
91.167	0.00	0.03	0.025	O	|	|	|	|	0.01
91.250	0.00	0.03	0.025	O	|	|	|	|	0.01
91.333	0.00	0.03	0.025	O	|	|	|	|	0.01
91.417	0.00	0.03	0.024	O	|	|	|	|	0.01
91.500	0.00	0.03	0.024	O	|	|	|	|	0.01
91.583	0.00	0.03	0.024	O	|	|	|	|	0.01
91.667	0.00	0.03	0.024	O	|	|	|	|	0.01
91.750	0.00	0.03	0.024	O	|	|	|	|	0.01
91.833	0.00	0.03	0.024	O	|	|	|	|	0.01
91.917	0.00	0.03	0.023	O	|	|	|	|	0.01
92.000	0.00	0.03	0.023	O	|	|	|	|	0.01
92.083	0.00	0.03	0.023	O	|	|	|	|	0.01
92.167	0.00	0.03	0.023	O	|	|	|	|	0.01
92.250	0.00	0.03	0.023	O	|	|	|	|	0.01
92.333	0.00	0.03	0.022	O	|	|	|	|	0.01
92.417	0.00	0.03	0.022	O	|	|	|	|	0.01
92.500	0.00	0.03	0.022	O	|	|	|	|	0.01
92.583	0.00	0.02	0.022	O	|	|	|	|	0.01
92.667	0.00	0.02	0.022	O	|	|	|	|	0.01
92.750	0.00	0.02	0.022	O	|	|	|	|	0.01
92.833	0.00	0.02	0.021	O	|	|	|	|	0.01
92.917	0.00	0.02	0.021	O	|	|	|	|	0.01
93.000	0.00	0.02	0.021	O	|	|	|	|	0.01
93.083	0.00	0.02	0.021	O	|	|	|	|	0.01
93.167	0.00	0.02	0.021	O	|	|	|	|	0.01
93.250	0.00	0.02	0.021	O	|	|	|	|	0.01
93.333	0.00	0.02	0.020	O	|	|	|	|	0.01
93.417	0.00	0.02	0.020	O	|	|	|	|	0.01
93.500	0.00	0.02	0.020	O	|	|	|	|	0.01
93.583	0.00	0.02	0.020	O	|	|	|	|	0.01
93.667	0.00	0.02	0.020	O	|	|	|	|	0.01
93.750	0.00	0.02	0.020	O	|	|	|	|	0.01
93.833	0.00	0.02	0.020	O	|	|	|	|	0.01
93.917	0.00	0.02	0.019	O	|	|	|	|	0.01
94.000	0.00	0.02	0.019	O	|	|	|	|	0.01
94.083	0.00	0.02	0.019	O	|	|	|	|	0.01
94.167	0.00	0.02	0.019	O	|	|	|	|	0.01
94.250	0.00	0.02	0.019	O	|	|	|	|	0.01
94.333	0.00	0.02	0.019	O	|	|	|	|	0.01
94.417	0.00	0.02	0.018	O	|	|	|	|	0.01
94.500	0.00	0.02	0.018	O	|	|	|	|	0.01
94.583	0.00	0.02	0.018	O	|	|	|	|	0.01
94.667	0.00	0.02	0.018	O	|	|	|	|	0.01
94.750	0.00	0.02	0.018	O	|	|	|	|	0.01
94.833	0.00	0.02	0.018	O	|	|	|	|	0.01
94.917	0.00	0.02	0.018	O	|	|	|	|	0.01
95.000	0.00	0.02	0.018	O	|	|	|	|	0.01
95.083	0.00	0.02	0.017	O	|	|	|	|	0.01
95.167	0.00	0.02	0.017	O	|	|	|	|	0.01
95.250	0.00	0.02	0.017	O	|	|	|	|	0.01
95.333	0.00	0.02	0.017	O	|	|	|	|	0.01
95.417	0.00	0.02	0.017	O	|	|	|	|	0.01
95.500	0.00	0.02	0.017	O	|	|	|	|	0.01
95.583	0.00	0.02	0.017	O	|	|	|	|	0.01
95.667	0.00	0.02	0.016	O	|	|	|	|	0.01
95.750	0.00	0.02	0.016	O	|	|	|	|	0.01
95.833	0.00	0.02	0.016	O	|	|	|	|	0.01
95.917	0.00	0.02	0.016	O	|	|	|	|	0.01
96.000	0.00	0.02	0.016	O	|	|	|	|	0.01
96.083	0.00	0.02	0.016	O	|	|	|	|	0.01
96.167	0.00	0.02	0.016	O	|	|	|	|	0.01
96.250	0.00	0.02	0.016	O	|	|	|	|	0.01
96.333	0.00	0.02	0.015	O	|	|	|	|	0.01

96.417	0.00	0.02	0.015	O					0.01
96.500	0.00	0.02	0.015	O					0.01
96.583	0.00	0.02	0.015	O					0.01
96.667	0.00	0.02	0.015	O					0.01
96.750	0.00	0.02	0.015	O					0.01
96.833	0.00	0.02	0.015	O					0.01
96.917	0.00	0.02	0.015	O					0.01
97.000	0.00	0.02	0.015	O					0.01
97.083	0.00	0.02	0.014	O					0.01
97.167	0.00	0.02	0.014	O					0.01
97.250	0.00	0.02	0.014	O					0.01
97.333	0.00	0.02	0.014	O					0.01
97.417	0.00	0.02	0.014	O					0.01
97.500	0.00	0.02	0.014	O					0.01
97.583	0.00	0.02	0.014	O					0.01
97.667	0.00	0.02	0.014	O					0.01
97.750	0.00	0.02	0.014	O					0.01
97.833	0.00	0.02	0.013	O					0.01
97.917	0.00	0.02	0.013	O					0.01
98.000	0.00	0.01	0.013	O					0.01
98.083	0.00	0.01	0.013	O					0.01
98.167	0.00	0.01	0.013	O					0.01
98.250	0.00	0.01	0.013	O					0.01
98.333	0.00	0.01	0.013	O					0.01
98.417	0.00	0.01	0.013	O					0.01
98.500	0.00	0.01	0.013	O					0.01
98.583	0.00	0.01	0.013	O					0.01
98.667	0.00	0.01	0.012	O					0.01
98.750	0.00	0.01	0.012	O					0.01
98.833	0.00	0.01	0.012	O					0.01
98.917	0.00	0.01	0.012	O					0.01
99.000	0.00	0.01	0.012	O					0.01
99.083	0.00	0.01	0.012	O					0.01
99.167	0.00	0.01	0.012	O					0.01
99.250	0.00	0.01	0.012	O					0.01
99.333	0.00	0.01	0.012	O					0.01
99.417	0.00	0.01	0.012	O					0.01
99.500	0.00	0.01	0.011	O					0.01
99.583	0.00	0.01	0.011	O					0.01
99.667	0.00	0.01	0.011	O					0.01
99.750	0.00	0.01	0.011	O					0.01
99.833	0.00	0.01	0.011	O					0.01
99.917	0.00	0.01	0.011	O					0.01
100.000	0.00	0.01	0.011	O					0.01
100.083	0.00	0.01	0.011	O					0.01
100.167	0.00	0.01	0.011	O					0.01
100.250	0.00	0.01	0.011	O					0.01
100.333	0.00	0.01	0.011	O					0.01
100.417	0.00	0.01	0.011	O					0.01
100.500	0.00	0.01	0.010	O					0.01
100.583	0.00	0.01	0.010	O					0.01
100.667	0.00	0.01	0.010	O					0.01
100.750	0.00	0.01	0.010	O					0.00
100.833	0.00	0.01	0.010	O					0.00
100.917	0.00	0.01	0.010	O					0.00
101.000	0.00	0.01	0.010	O					0.00
101.083	0.00	0.01	0.010	O					0.00
101.167	0.00	0.01	0.010	O					0.00
101.250	0.00	0.01	0.010	O					0.00
101.333	0.00	0.01	0.010	O					0.00
101.417	0.00	0.01	0.010	O					0.00
101.500	0.00	0.01	0.010	O					0.00
101.583	0.00	0.01	0.009	O					0.00
101.667	0.00	0.01	0.009	O					0.00
101.750	0.00	0.01	0.009	O					0.00
101.833	0.00	0.01	0.009	O					0.00
101.917	0.00	0.01	0.009	O					0.00
102.000	0.00	0.01	0.009	O					0.00

102.083	0.00	0.01	0.009	O					0.00
102.167	0.00	0.01	0.009	O					0.00
102.250	0.00	0.01	0.009	O					0.00
102.333	0.00	0.01	0.009	O					0.00
102.417	0.00	0.01	0.009	O					0.00
102.500	0.00	0.01	0.009	O					0.00
102.583	0.00	0.01	0.009	O					0.00
102.667	0.00	0.01	0.009	O					0.00
102.750	0.00	0.01	0.008	O					0.00
102.833	0.00	0.01	0.008	O					0.00
102.917	0.00	0.01	0.008	O					0.00
103.000	0.00	0.01	0.008	O					0.00
103.083	0.00	0.01	0.008	O					0.00
103.167	0.00	0.01	0.008	O					0.00
103.250	0.00	0.01	0.008	O					0.00
103.333	0.00	0.01	0.008	O					0.00
103.417	0.00	0.01	0.008	O					0.00
103.500	0.00	0.01	0.008	O					0.00
103.583	0.00	0.01	0.008	O					0.00
103.667	0.00	0.01	0.008	O					0.00
103.750	0.00	0.01	0.008	O					0.00
103.833	0.00	0.01	0.008	O					0.00
103.917	0.00	0.01	0.008	O					0.00
104.000	0.00	0.01	0.008	O					0.00
104.083	0.00	0.01	0.007	O					0.00
104.167	0.00	0.01	0.007	O					0.00
104.250	0.00	0.01	0.007	O					0.00
104.333	0.00	0.01	0.007	O					0.00
104.417	0.00	0.01	0.007	O					0.00
104.500	0.00	0.01	0.007	O					0.00
104.583	0.00	0.01	0.007	O					0.00
104.667	0.00	0.01	0.007	O					0.00
104.750	0.00	0.01	0.007	O					0.00
104.833	0.00	0.01	0.007	O					0.00
104.917	0.00	0.01	0.007	O					0.00
105.000	0.00	0.01	0.007	O					0.00
105.083	0.00	0.01	0.007	O					0.00
105.167	0.00	0.01	0.007	O					0.00
105.250	0.00	0.01	0.007	O					0.00
105.333	0.00	0.01	0.007	O					0.00
105.417	0.00	0.01	0.007	O					0.00
105.500	0.00	0.01	0.007	O					0.00
105.583	0.00	0.01	0.007	O					0.00
105.667	0.00	0.01	0.006	O					0.00
105.750	0.00	0.01	0.006	O					0.00
105.833	0.00	0.01	0.006	O					0.00
105.917	0.00	0.01	0.006	O					0.00
106.000	0.00	0.01	0.006	O					0.00
106.083	0.00	0.01	0.006	O					0.00
106.167	0.00	0.01	0.006	O					0.00
106.250	0.00	0.01	0.006	O					0.00
106.333	0.00	0.01	0.006	O					0.00
106.417	0.00	0.01	0.006	O					0.00
106.500	0.00	0.01	0.006	O					0.00
106.583	0.00	0.01	0.006	O					0.00
106.667	0.00	0.01	0.006	O					0.00
106.750	0.00	0.01	0.006	O					0.00
106.833	0.00	0.01	0.006	O					0.00
106.917	0.00	0.01	0.006	O					0.00
107.000	0.00	0.01	0.006	O					0.00
107.083	0.00	0.01	0.006	O					0.00
107.167	0.00	0.01	0.006	O					0.00
107.250	0.00	0.01	0.006	O					0.00
107.333	0.00	0.01	0.006	O					0.00
107.417	0.00	0.01	0.005	O					0.00
107.500	0.00	0.01	0.005	O					0.00
107.583	0.00	0.01	0.005	O					0.00
107.667	0.00	0.01	0.005	O					0.00

107.750	0.00	0.01	0.005	O	|	|	|	|	0.00
107.833	0.00	0.01	0.005	O	|	|	|	|	0.00
107.917	0.00	0.01	0.005	O	|	|	|	|	0.00
108.000	0.00	0.01	0.005	O	|	|	|	|	0.00
108.083	0.00	0.01	0.005	O	|	|	|	|	0.00
108.167	0.00	0.01	0.005	O	|	|	|	|	0.00
108.250	0.00	0.01	0.005	O	|	|	|	|	0.00
108.333	0.00	0.01	0.005	O	|	|	|	|	0.00
108.417	0.00	0.01	0.005	O	|	|	|	|	0.00
108.500	0.00	0.01	0.005	O	|	|	|	|	0.00
108.583	0.00	0.01	0.005	O	|	|	|	|	0.00
108.667	0.00	0.01	0.005	O	|	|	|	|	0.00
108.750	0.00	0.01	0.005	O	|	|	|	|	0.00
108.833	0.00	0.01	0.005	O	|	|	|	|	0.00
108.917	0.00	0.01	0.005	O	|	|	|	|	0.00
109.000	0.00	0.01	0.005	O	|	|	|	|	0.00
109.083	0.00	0.01	0.005	O	|	|	|	|	0.00
109.167	0.00	0.01	0.005	O	|	|	|	|	0.00
109.250	0.00	0.01	0.005	O	|	|	|	|	0.00
109.333	0.00	0.01	0.005	O	|	|	|	|	0.00
109.417	0.00	0.01	0.005	O	|	|	|	|	0.00
109.500	0.00	0.01	0.005	O	|	|	|	|	0.00
109.583	0.00	0.01	0.004	O	|	|	|	|	0.00
109.667	0.00	0.01	0.004	O	|	|	|	|	0.00
109.750	0.00	0.00	0.004	O	|	|	|	|	0.00
109.833	0.00	0.00	0.004	O	|	|	|	|	0.00
109.917	0.00	0.00	0.004	O	|	|	|	|	0.00
110.000	0.00	0.00	0.004	O	|	|	|	|	0.00
110.083	0.00	0.00	0.004	O	|	|	|	|	0.00
110.167	0.00	0.00	0.004	O	|	|	|	|	0.00
110.250	0.00	0.00	0.004	O	|	|	|	|	0.00
110.333	0.00	0.00	0.004	O	|	|	|	|	0.00
110.417	0.00	0.00	0.004	O	|	|	|	|	0.00
110.500	0.00	0.00	0.004	O	|	|	|	|	0.00
110.583	0.00	0.00	0.004	O	|	|	|	|	0.00
110.667	0.00	0.00	0.004	O	|	|	|	|	0.00
110.750	0.00	0.00	0.004	O	|	|	|	|	0.00
110.833	0.00	0.00	0.004	O	|	|	|	|	0.00
110.917	0.00	0.00	0.004	O	|	|	|	|	0.00
111.000	0.00	0.00	0.004	O	|	|	|	|	0.00
111.083	0.00	0.00	0.004	O	|	|	|	|	0.00
111.167	0.00	0.00	0.004	O	|	|	|	|	0.00
111.250	0.00	0.00	0.004	O	|	|	|	|	0.00
111.333	0.00	0.00	0.004	O	|	|	|	|	0.00
111.417	0.00	0.00	0.004	O	|	|	|	|	0.00
111.500	0.00	0.00	0.004	O	|	|	|	|	0.00
111.583	0.00	0.00	0.004	O	|	|	|	|	0.00
111.667	0.00	0.00	0.004	O	|	|	|	|	0.00
111.750	0.00	0.00	0.004	O	|	|	|	|	0.00
111.833	0.00	0.00	0.004	O	|	|	|	|	0.00
111.917	0.00	0.00	0.004	O	|	|	|	|	0.00
112.000	0.00	0.00	0.004	O	|	|	|	|	0.00
112.083	0.00	0.00	0.004	O	|	|	|	|	0.00
112.167	0.00	0.00	0.004	O	|	|	|	|	0.00
112.250	0.00	0.00	0.003	O	|	|	|	|	0.00
112.333	0.00	0.00	0.003	O	|	|	|	|	0.00
112.417	0.00	0.00	0.003	O	|	|	|	|	0.00
112.500	0.00	0.00	0.003	O	|	|	|	|	0.00
112.583	0.00	0.00	0.003	O	|	|	|	|	0.00
112.667	0.00	0.00	0.003	O	|	|	|	|	0.00
112.750	0.00	0.00	0.003	O	|	|	|	|	0.00
112.833	0.00	0.00	0.003	O	|	|	|	|	0.00
112.917	0.00	0.00	0.003	O	|	|	|	|	0.00
113.000	0.00	0.00	0.003	O	|	|	|	|	0.00
113.083	0.00	0.00	0.003	O	|	|	|	|	0.00
113.167	0.00	0.00	0.003	O	|	|	|	|	0.00
113.250	0.00	0.00	0.003	O	|	|	|	|	0.00
113.333	0.00	0.00	0.003	O	|	|	|	|	0.00

113.417	0.00	0.00	0.003	O	|	|	|	|	0.00
113.500	0.00	0.00	0.003	O	|	|	|	|	0.00
113.583	0.00	0.00	0.003	O	|	|	|	|	0.00
113.667	0.00	0.00	0.003	O	|	|	|	|	0.00
113.750	0.00	0.00	0.003	O	|	|	|	|	0.00
113.833	0.00	0.00	0.003	O	|	|	|	|	0.00
113.917	0.00	0.00	0.003	O	|	|	|	|	0.00
114.000	0.00	0.00	0.003	O	|	|	|	|	0.00
114.083	0.00	0.00	0.003	O	|	|	|	|	0.00
114.167	0.00	0.00	0.003	O	|	|	|	|	0.00
114.250	0.00	0.00	0.003	O	|	|	|	|	0.00
114.333	0.00	0.00	0.003	O	|	|	|	|	0.00
114.417	0.00	0.00	0.003	O	|	|	|	|	0.00
114.500	0.00	0.00	0.003	O	|	|	|	|	0.00
114.583	0.00	0.00	0.003	O	|	|	|	|	0.00
114.667	0.00	0.00	0.003	O	|	|	|	|	0.00
114.750	0.00	0.00	0.003	O	|	|	|	|	0.00
114.833	0.00	0.00	0.003	O	|	|	|	|	0.00
114.917	0.00	0.00	0.003	O	|	|	|	|	0.00
115.000	0.00	0.00	0.003	O	|	|	|	|	0.00
115.083	0.00	0.00	0.003	O	|	|	|	|	0.00
115.167	0.00	0.00	0.003	O	|	|	|	|	0.00
115.250	0.00	0.00	0.003	O	|	|	|	|	0.00
115.333	0.00	0.00	0.003	O	|	|	|	|	0.00
115.417	0.00	0.00	0.003	O	|	|	|	|	0.00
115.500	0.00	0.00	0.003	O	|	|	|	|	0.00
115.583	0.00	0.00	0.003	O	|	|	|	|	0.00
115.667	0.00	0.00	0.003	O	|	|	|	|	0.00
115.750	0.00	0.00	0.003	O	|	|	|	|	0.00
115.833	0.00	0.00	0.002	O	|	|	|	|	0.00
115.917	0.00	0.00	0.002	O	|	|	|	|	0.00
116.000	0.00	0.00	0.002	O	|	|	|	|	0.00
116.083	0.00	0.00	0.002	O	|	|	|	|	0.00
116.167	0.00	0.00	0.002	O	|	|	|	|	0.00
116.250	0.00	0.00	0.002	O	|	|	|	|	0.00
116.333	0.00	0.00	0.002	O	|	|	|	|	0.00
116.417	0.00	0.00	0.002	O	|	|	|	|	0.00
116.500	0.00	0.00	0.002	O	|	|	|	|	0.00
116.583	0.00	0.00	0.002	O	|	|	|	|	0.00
116.667	0.00	0.00	0.002	O	|	|	|	|	0.00
116.750	0.00	0.00	0.002	O	|	|	|	|	0.00
116.833	0.00	0.00	0.002	O	|	|	|	|	0.00
116.917	0.00	0.00	0.002	O	|	|	|	|	0.00
117.000	0.00	0.00	0.002	O	|	|	|	|	0.00
117.083	0.00	0.00	0.002	O	|	|	|	|	0.00
117.167	0.00	0.00	0.002	O	|	|	|	|	0.00
117.250	0.00	0.00	0.002	O	|	|	|	|	0.00
117.333	0.00	0.00	0.002	O	|	|	|	|	0.00
117.417	0.00	0.00	0.002	O	|	|	|	|	0.00
117.500	0.00	0.00	0.002	O	|	|	|	|	0.00
117.583	0.00	0.00	0.002	O	|	|	|	|	0.00
117.667	0.00	0.00	0.002	O	|	|	|	|	0.00
117.750	0.00	0.00	0.002	O	|	|	|	|	0.00
117.833	0.00	0.00	0.002	O	|	|	|	|	0.00
117.917	0.00	0.00	0.002	O	|	|	|	|	0.00
118.000	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1416
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.246 (CFS)
Total volume = 14.466 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1	Stream 2	Stream 3	Stream 4	Stream 5

```
       Peak (CFS)      0.000     0.000     0.000     0.000     0.000
       Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
*******************************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 01/08/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRB110.rte

**********HYDROGRAPH DATA**********

Number of intervals = 23
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 238.381 (CFS)
Total volume = 7.967 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN B- ROUTING
10YR-1HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 23
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	2.050	2.320	2.042	2.058
2.000	4.240	3.490	4.228	4.252
3.000	6.570	4.360	6.555	6.585
4.000	9.040	5.080	9.023	9.057
5.000	11.650	5.710	11.630	11.670
6.000	14.410	127.850	13.970	14.850
7.000	17.320	320.000	16.218	18.422
8.000	20.370	563.910	18.428	22.312
9.000	23.580	930.190	20.377	26.783
10.000	26.950	1399.580	22.131	31.769
11.000	30.500	1945.140	23.802	37.198

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 59.6 119.19 178.79 238.38 Depth (Ft.)

0.083	2.95	0.01	0.010	O	|	|	|	|	0.00
0.167	15.23	0.08	0.072	O I	|	|	|	|	0.04
0.250	26.62	0.24	0.215	O I	|	|	|	|	0.11
0.333	33.52	0.48	0.420	O I	|	|	|	|	0.20
0.417	39.58	0.76	0.668	O I	|	|	|	|	0.33
0.500	46.51	1.08	0.958	O I	|	|	|	|	0.47
0.583	56.13	1.47	1.302	O I	|	|	|	|	0.64
0.667	67.46	1.94	1.716	O I	|	|	|	|	0.84
0.750	91.06	2.43	2.247	O I	|	|	|	|	1.09
0.833	155.95	2.87	3.079	O I	|	|	|	|	1.47
0.917	238.38	3.56	4.415	O I	|	|	|	|	2.08
1.000	157.86	4.06	5.753	O I	|	|	|	|	2.65
1.083	86.13	4.36	6.565	O I	|	|	|	|	3.00
1.167	48.73	4.48	6.999	O I	|	|	|	|	3.17
1.250	30.09	4.55	7.239	O I	|	|	|	|	3.27
1.333	20.46	4.60	7.381	O I	|	|	|	|	3.33
1.417	14.67	4.62	7.471	OI	|	|	|	|	3.36
1.500	10.23	4.64	7.525	OI	|	|	|	|	3.39
1.583	7.02	**4.65**	**7.552**	**O**	|	|	|	|	**3.40**
1.667	4.89	4.65	7.561	O	|	|	|	|	3.40
1.750	2.65	4.65	7.555	O	|	|	|	|	3.40
1.833	0.58	4.64	7.534	O	|	|	|	|	3.39
1.917	0.14	4.63	7.505	O	|	|	|	|	3.38
2.000	0.00	4.62	7.473	O	|	|	|	|	3.37
2.083	0.00	4.61	7.441	O	|	|	|	|	3.35
2.167	0.00	4.60	7.410	O	|	|	|	|	3.34
2.250	0.00	4.60	7.378	O	|	|	|	|	3.33
2.333	0.00	4.59	7.346	O	|	|	|	|	3.31
2.417	0.00	4.58	7.315	O	|	|	|	|	3.30
2.500	0.00	4.57	7.283	O	|	|	|	|	3.29
2.583	0.00	4.56	7.252	O	|	|	|	|	3.28
2.667	0.00	4.55	7.221	O	|	|	|	|	3.26
2.750	0.00	4.54	7.189	O	|	|	|	|	3.25
2.833	0.00	4.53	7.158	O	|	|	|	|	3.24
2.917	0.00	4.52	7.127	O	|	|	|	|	3.23
3.000	0.00	4.51	7.096	O	|	|	|	|	3.21
3.083	0.00	4.50	7.065	O	|	|	|	|	3.20
3.167	0.00	4.50	7.034	O	|	|	|	|	3.19
3.250	0.00	4.49	7.003	O	|	|	|	|	3.18
3.333	0.00	4.48	6.972	O	|	|	|	|	3.16
3.417	0.00	4.47	6.941	O	|	|	|	|	3.15
3.500	0.00	4.46	6.910	O	|	|	|	|	3.14
3.583	0.00	4.45	6.880	O	|	|	|	|	3.13
3.667	0.00	4.44	6.849	O	|	|	|	|	3.11
3.750	0.00	4.43	6.818	O	|	|	|	|	3.10
3.833	0.00	4.42	6.788	O	|	|	|	|	3.09
3.917	0.00	4.41	6.758	O	|	|	|	|	3.08
4.000	0.00	4.41	6.727	O	|	|	|	|	3.06
4.083	0.00	4.40	6.697	O	|	|	|	|	3.05
4.167	0.00	4.39	6.667	O	|	|	|	|	3.04
4.250	0.00	4.38	6.636	O	|	|	|	|	3.03
4.333	0.00	4.37	6.606	O	|	|	|	|	3.01
4.417	0.00	4.36	6.576	O	|	|	|	|	3.00
4.500	0.00	4.35	6.546	O	|	|	|	|	2.99
4.583	0.00	4.34	6.516	O	|	|	|	|	2.98
4.667	0.00	4.33	6.486	O	|	|	|	|	2.96
4.750	0.00	4.32	6.457	O	|	|	|	|	2.95
4.833	0.00	4.31	6.427	O	|	|	|	|	2.94
4.917	0.00	4.30	6.397	O	|	|	|	|	2.93
5.000	0.00	4.28	6.368	O	|	|	|	|	2.91
5.083	0.00	4.27	6.338	O	|	|	|	|	2.90
5.167	0.00	4.26	6.309	O	|	|	|	|	2.89
5.250	0.00	4.25	6.280	O	|	|	|	|	2.88
5.333	0.00	4.24	6.250	O	|	|	|	|	2.86
5.417	0.00	4.23	6.221	O	|	|	|	|	2.85
5.500	0.00	4.22	6.192	O	|	|	|	|	2.84
5.583	0.00	4.21	6.163	O	|	|	|	|	2.83
5.667	0.00	4.20	6.134	O	|	|	|	|	2.81

5.750	0.00	4.19	6.105	O	|	|	|	|	2.80
5.833	0.00	4.18	6.076	O	|	|	|	|	2.79
5.917	0.00	4.16	6.048	O	|	|	|	|	2.78
6.000	0.00	4.15	6.019	O	|	|	|	|	2.76
6.083	0.00	4.14	5.991	O	|	|	|	|	2.75
6.167	0.00	4.13	5.962	O	|	|	|	|	2.74
6.250	0.00	4.12	5.934	O	|	|	|	|	2.73
6.333	0.00	4.11	5.905	O	|	|	|	|	2.71
6.417	0.00	4.10	5.877	O	|	|	|	|	2.70
6.500	0.00	4.09	5.849	O	|	|	|	|	2.69
6.583	0.00	4.08	5.821	O	|	|	|	|	2.68
6.667	0.00	4.07	5.793	O	|	|	|	|	2.67
6.750	0.00	4.06	5.765	O	|	|	|	|	2.65
6.833	0.00	4.05	5.737	O	|	|	|	|	2.64
6.917	0.00	4.04	5.709	O	|	|	|	|	2.63
7.000	0.00	4.03	5.681	O	|	|	|	|	2.62
7.083	0.00	4.02	5.653	O	|	|	|	|	2.61
7.167	0.00	4.01	5.626	O	|	|	|	|	2.59
7.250	0.00	4.00	5.598	O	|	|	|	|	2.58
7.333	0.00	3.99	5.571	O	|	|	|	|	2.57
7.417	0.00	3.98	5.543	O	|	|	|	|	2.56
7.500	0.00	3.97	5.516	O	|	|	|	|	2.55
7.583	0.00	3.96	5.489	O	|	|	|	|	2.54
7.667	0.00	3.95	5.461	O	|	|	|	|	2.52
7.750	0.00	3.94	5.434	O	|	|	|	|	2.51
7.833	0.00	3.93	5.407	O	|	|	|	|	2.50
7.917	0.00	3.92	5.380	O	|	|	|	|	2.49
8.000	0.00	3.91	5.353	O	|	|	|	|	2.48
8.083	0.00	3.90	5.326	O	|	|	|	|	2.47
8.167	0.00	3.89	5.300	O	|	|	|	|	2.45
8.250	0.00	3.88	5.273	O	|	|	|	|	2.44
8.333	0.00	3.87	5.246	O	|	|	|	|	2.43
8.417	0.00	3.86	5.220	O	|	|	|	|	2.42
8.500	0.00	3.85	5.193	O	|	|	|	|	2.41
8.583	0.00	3.84	5.167	O	|	|	|	|	2.40
8.667	0.00	3.83	5.140	O	|	|	|	|	2.39
8.750	0.00	3.82	5.114	O	|	|	|	|	2.38
8.833	0.00	3.81	5.088	O	|	|	|	|	2.36
8.917	0.00	3.80	5.061	O	|	|	|	|	2.35
9.000	0.00	3.79	5.035	O	|	|	|	|	2.34
9.083	0.00	3.78	5.009	O	|	|	|	|	2.33
9.167	0.00	3.77	4.983	O	|	|	|	|	2.32
9.250	0.00	3.76	4.957	O	|	|	|	|	2.31
9.333	0.00	3.75	4.932	O	|	|	|	|	2.30
9.417	0.00	3.74	4.906	O	|	|	|	|	2.29
9.500	0.00	3.73	4.880	O	|	|	|	|	2.27
9.583	0.00	3.72	4.854	O	|	|	|	|	2.26
9.667	0.00	3.71	4.829	O	|	|	|	|	2.25
9.750	0.00	3.70	4.803	O	|	|	|	|	2.24
9.833	0.00	3.69	4.778	O	|	|	|	|	2.23
9.917	0.00	3.68	4.752	O	|	|	|	|	2.22
10.000	0.00	3.67	4.727	O	|	|	|	|	2.21
10.083	0.00	3.66	4.702	O	|	|	|	|	2.20
10.167	0.00	3.65	4.677	O	|	|	|	|	2.19
10.250	0.00	3.64	4.652	O	|	|	|	|	2.18
10.333	0.00	3.63	4.627	O	|	|	|	|	2.17
10.417	0.00	3.62	4.602	O	|	|	|	|	2.16
10.500	0.00	3.62	4.577	O	|	|	|	|	2.14
10.583	0.00	3.61	4.552	O	|	|	|	|	2.13
10.667	0.00	3.60	4.527	O	|	|	|	|	2.12
10.750	0.00	3.59	4.502	O	|	|	|	|	2.11
10.833	0.00	3.58	4.477	O	|	|	|	|	2.10
10.917	0.00	3.57	4.453	O	|	|	|	|	2.09
11.000	0.00	3.56	4.428	O	|	|	|	|	2.08
11.083	0.00	3.55	4.404	O	|	|	|	|	2.07
11.167	0.00	3.54	4.379	O	|	|	|	|	2.06
11.250	0.00	3.53	4.355	O	|	|	|	|	2.05
11.333	0.00	3.52	4.331	O	|	|	|	|	2.04

11.417	0.00	3.51	4.307	O	|	|	|	|	2.03
11.500	0.00	3.51	4.282	O	|	|	|	|	2.02
11.583	0.00	3.50	4.258	O	|	|	|	|	2.01
11.667	0.00	3.49	4.234	O	|	|	|	|	2.00
11.750	0.00	3.47	4.210	O	|	|	|	|	1.99
11.833	0.00	3.46	4.186	O	|	|	|	|	1.98
11.917	0.00	3.45	4.163	O	|	|	|	|	1.96
12.000	0.00	3.44	4.139	O	|	|	|	|	1.95
12.083	0.00	3.42	4.115	O	|	|	|	|	1.94
12.167	0.00	3.41	4.092	O	|	|	|	|	1.93
12.250	0.00	3.40	4.068	O	|	|	|	|	1.92
12.333	0.00	3.39	4.045	O	|	|	|	|	1.91
12.417	0.00	3.37	4.022	O	|	|	|	|	1.90
12.500	0.00	3.36	3.998	O	|	|	|	|	1.89
12.583	0.00	3.35	3.975	O	|	|	|	|	1.88
12.667	0.00	3.34	3.952	O	|	|	|	|	1.87
12.750	0.00	3.32	3.929	O	|	|	|	|	1.86
12.833	0.00	3.31	3.906	O	|	|	|	|	1.85
12.917	0.00	3.30	3.884	O	|	|	|	|	1.84
13.000	0.00	3.29	3.861	O	|	|	|	|	1.83
13.083	0.00	3.28	3.838	O	|	|	|	|	1.82
13.167	0.00	3.26	3.816	O	|	|	|	|	1.81
13.250	0.00	3.25	3.793	O	|	|	|	|	1.80
13.333	0.00	3.24	3.771	O	|	|	|	|	1.79
13.417	0.00	3.23	3.749	O	|	|	|	|	1.78
13.500	0.00	3.22	3.727	O	|	|	|	|	1.77
13.583	0.00	3.20	3.705	O	|	|	|	|	1.76
13.667	0.00	3.19	3.683	O	|	|	|	|	1.75
13.750	0.00	3.18	3.661	O	|	|	|	|	1.74
13.833	0.00	3.17	3.639	O	|	|	|	|	1.73
13.917	0.00	3.16	3.617	O	|	|	|	|	1.72
14.000	0.00	3.15	3.595	O	|	|	|	|	1.71
14.083	0.00	3.13	3.574	O	|	|	|	|	1.70
14.167	0.00	3.12	3.552	O	|	|	|	|	1.69
14.250	0.00	3.11	3.531	O	|	|	|	|	1.68
14.333	0.00	3.10	3.509	O	|	|	|	|	1.67
14.417	0.00	3.09	3.488	O	|	|	|	|	1.66
14.500	0.00	3.08	3.467	O	|	|	|	|	1.65
14.583	0.00	3.07	3.446	O	|	|	|	|	1.64
14.667	0.00	3.05	3.424	O	|	|	|	|	1.63
14.750	0.00	3.04	3.403	O	|	|	|	|	1.62
14.833	0.00	3.03	3.383	O	|	|	|	|	1.61
14.917	0.00	3.02	3.362	O	|	|	|	|	1.60
15.000	0.00	3.01	3.341	O	|	|	|	|	1.59
15.083	0.00	3.00	3.320	O	|	|	|	|	1.58
15.167	0.00	2.99	3.300	O	|	|	|	|	1.57
15.250	0.00	2.98	3.279	O	|	|	|	|	1.56
15.333	0.00	2.97	3.259	O	|	|	|	|	1.55
15.417	0.00	2.95	3.238	O	|	|	|	|	1.54
15.500	0.00	2.94	3.218	O	|	|	|	|	1.53
15.583	0.00	2.93	3.198	O	|	|	|	|	1.52
15.667	0.00	2.92	3.178	O	|	|	|	|	1.51
15.750	0.00	2.91	3.157	O	|	|	|	|	1.51
15.833	0.00	2.90	3.137	O	|	|	|	|	1.50
15.917	0.00	2.89	3.117	O	|	|	|	|	1.49
16.000	0.00	2.88	3.098	O	|	|	|	|	1.48
16.083	0.00	2.87	3.078	O	|	|	|	|	1.47
16.167	0.00	2.86	3.058	O	|	|	|	|	1.46
16.250	0.00	2.85	3.038	O	|	|	|	|	1.45
16.333	0.00	2.84	3.019	O	|	|	|	|	1.44
16.417	0.00	2.83	2.999	O	|	|	|	|	1.43
16.500	0.00	2.82	2.980	O	|	|	|	|	1.42
16.583	0.00	2.81	2.961	O	|	|	|	|	1.42
16.667	0.00	2.80	2.941	O	|	|	|	|	1.41
16.750	0.00	2.79	2.922	O	|	|	|	|	1.40
16.833	0.00	2.78	2.903	O	|	|	|	|	1.39
16.917	0.00	2.77	2.884	O	|	|	|	|	1.38
17.000	0.00	2.76	2.865	O	|	|	|	|	1.37

17.083	0.00	2.75	2.846	O	|	|	|	|	1.36
17.167	0.00	2.74	2.827	O	|	|	|	|	1.35
17.250	0.00	2.73	2.808	O	|	|	|	|	1.35
17.333	0.00	2.72	2.789	O	|	|	|	|	1.34
17.417	0.00	2.71	2.771	O	|	|	|	|	1.33
17.500	0.00	2.70	2.752	O	|	|	|	|	1.32
17.583	0.00	2.69	2.734	O	|	|	|	|	1.31
17.667	0.00	2.68	2.715	O	|	|	|	|	1.30
17.750	0.00	2.67	2.697	O	|	|	|	|	1.30
17.833	0.00	2.66	2.678	O	|	|	|	|	1.29
17.917	0.00	2.65	2.660	O	|	|	|	|	1.28
18.000	0.00	2.64	2.642	O	|	|	|	|	1.27
18.083	0.00	2.63	2.624	O	|	|	|	|	1.26
18.167	0.00	2.62	2.606	O	|	|	|	|	1.25
18.250	0.00	2.61	2.588	O	|	|	|	|	1.25
18.333	0.00	2.60	2.570	O	|	|	|	|	1.24
18.417	0.00	2.59	2.552	O	|	|	|	|	1.23
18.500	0.00	2.58	2.534	O	|	|	|	|	1.22
18.583	0.00	2.57	2.517	O	|	|	|	|	1.21
18.667	0.00	2.56	2.499	O	|	|	|	|	1.20
18.750	0.00	2.55	2.481	O	|	|	|	|	1.20
18.833	0.00	2.54	2.464	O	|	|	|	|	1.19
18.917	0.00	2.53	2.446	O	|	|	|	|	1.18
19.000	0.00	2.52	2.429	O	|	|	|	|	1.17
19.083	0.00	2.51	2.412	O	|	|	|	|	1.17
19.167	0.00	2.50	2.394	O	|	|	|	|	1.16
19.250	0.00	2.49	2.377	O	|	|	|	|	1.15
19.333	0.00	2.49	2.360	O	|	|	|	|	1.14
19.417	0.00	2.48	2.343	O	|	|	|	|	1.13
19.500	0.00	2.47	2.326	O	|	|	|	|	1.13
19.583	0.00	2.46	2.309	O	|	|	|	|	1.12
19.667	0.00	2.45	2.292	O	|	|	|	|	1.11
19.750	0.00	2.44	2.275	O	|	|	|	|	1.10
19.833	0.00	2.43	2.258	O	|	|	|	|	1.10
19.917	0.00	2.42	2.242	O	|	|	|	|	1.09
20.000	0.00	2.41	2.225	O	|	|	|	|	1.08
20.083	0.00	2.40	2.208	O	|	|	|	|	1.07
20.167	0.00	2.40	2.192	O	|	|	|	|	1.06
20.250	0.00	2.39	2.175	O	|	|	|	|	1.06
20.333	0.00	2.38	2.159	O	|	|	|	|	1.05
20.417	0.00	2.37	2.143	O	|	|	|	|	1.04
20.500	0.00	2.36	2.126	O	|	|	|	|	1.03
20.583	0.00	2.35	2.110	O	|	|	|	|	1.03
20.667	0.00	2.34	2.094	O	|	|	|	|	1.02
20.750	0.00	2.33	2.078	O	|	|	|	|	1.01
20.833	0.00	2.33	2.062	O	|	|	|	|	1.01
20.917	0.00	2.32	2.046	O	|	|	|	|	1.00
21.000	0.00	2.30	2.030	O	|	|	|	|	0.99
21.083	0.00	2.28	2.014	O	|	|	|	|	0.98
21.167	0.00	2.26	1.999	O	|	|	|	|	0.97
21.250	0.00	2.24	1.983	O	|	|	|	|	0.97
21.333	0.00	2.23	1.968	O	|	|	|	|	0.96
21.417	0.00	2.21	1.952	O	|	|	|	|	0.95
21.500	0.00	2.19	1.937	O	|	|	|	|	0.94
21.583	0.00	2.18	1.922	O	|	|	|	|	0.94
21.667	0.00	2.16	1.907	O	|	|	|	|	0.93
21.750	0.00	2.14	1.892	O	|	|	|	|	0.92
21.833	0.00	2.13	1.878	O	|	|	|	|	0.92
21.917	0.00	2.11	1.863	O	|	|	|	|	0.91
22.000	0.00	2.09	1.849	O	|	|	|	|	0.90
22.083	0.00	2.08	1.834	O	|	|	|	|	0.89
22.167	0.00	2.06	1.820	O	|	|	|	|	0.89
22.250	0.00	2.04	1.806	O	|	|	|	|	0.88
22.333	0.00	2.03	1.792	O	|	|	|	|	0.87
22.417	0.00	2.01	1.778	O	|	|	|	|	0.87
22.500	0.00	2.00	1.764	O	|	|	|	|	0.86
22.583	0.00	1.98	1.751	O	|	|	|	|	0.85
22.667	0.00	1.97	1.737	O	|	|	|	|	0.85

22.750	0.00	1.95	1.723	O	|	|	|	|	0.84
22.833	0.00	1.94	1.710	O	|	|	|	|	0.83
22.917	0.00	1.92	1.697	O	|	|	|	|	0.83
23.000	0.00	1.91	1.684	O	|	|	|	|	0.82
23.083	0.00	1.89	1.671	O	|	|	|	|	0.81
23.167	0.00	1.88	1.658	O	|	|	|	|	0.81
23.250	0.00	1.86	1.645	O	|	|	|	|	0.80
23.333	0.00	1.85	1.632	O	|	|	|	|	0.80
23.417	0.00	1.83	1.619	O	|	|	|	|	0.79
23.500	0.00	1.82	1.607	O	|	|	|	|	0.78
23.583	0.00	1.80	1.594	O	|	|	|	|	0.78
23.667	0.00	1.79	1.582	O	|	|	|	|	0.77
23.750	0.00	1.78	1.570	O	|	|	|	|	0.77
23.833	0.00	1.76	1.557	O	|	|	|	|	0.76
23.917	0.00	1.75	1.545	O	|	|	|	|	0.75
24.000	0.00	1.74	1.533	O	|	|	|	|	0.75
24.083	0.00	1.72	1.521	O	|	|	|	|	0.74
24.167	0.00	1.71	1.510	O	|	|	|	|	0.74
24.250	0.00	1.70	1.498	O	|	|	|	|	0.73
24.333	0.00	1.68	1.486	O	|	|	|	|	0.72
24.417	0.00	1.67	1.475	O	|	|	|	|	0.72
24.500	0.00	1.66	1.463	O	|	|	|	|	0.71
24.583	0.00	1.64	1.452	O	|	|	|	|	0.71
24.667	0.00	1.63	1.441	O	|	|	|	|	0.70
24.750	0.00	1.62	1.429	O	|	|	|	|	0.70
24.833	0.00	1.61	1.418	O	|	|	|	|	0.69
24.917	0.00	1.59	1.407	O	|	|	|	|	0.69
25.000	0.00	1.58	1.396	O	|	|	|	|	0.68
25.083	0.00	1.57	1.386	O	|	|	|	|	0.68
25.167	0.00	1.56	1.375	O	|	|	|	|	0.67
25.250	0.00	1.54	1.364	O	|	|	|	|	0.67
25.333	0.00	1.53	1.354	O	|	|	|	|	0.66
25.417	0.00	1.52	1.343	O	|	|	|	|	0.66
25.500	0.00	1.51	1.333	O	|	|	|	|	0.65
25.583	0.00	1.50	1.322	O	|	|	|	|	0.64
25.667	0.00	1.48	1.312	O	|	|	|	|	0.64
25.750	0.00	1.47	1.302	O	|	|	|	|	0.64
25.833	0.00	1.46	1.292	O	|	|	|	|	0.63
25.917	0.00	1.45	1.282	O	|	|	|	|	0.63
26.000	0.00	1.44	1.272	O	|	|	|	|	0.62
26.083	0.00	1.43	1.262	O	|	|	|	|	0.62
26.167	0.00	1.42	1.252	O	|	|	|	|	0.61
26.250	0.00	1.41	1.242	O	|	|	|	|	0.61
26.333	0.00	1.40	1.233	O	|	|	|	|	0.60
26.417	0.00	1.38	1.223	O	|	|	|	|	0.60
26.500	0.00	1.37	1.214	O	|	|	|	|	0.59
26.583	0.00	1.36	1.204	O	|	|	|	|	0.59
26.667	0.00	1.35	1.195	O	|	|	|	|	0.58
26.750	0.00	1.34	1.186	O	|	|	|	|	0.58
26.833	0.00	1.33	1.176	O	|	|	|	|	0.57
26.917	0.00	1.32	1.167	O	|	|	|	|	0.57
27.000	0.00	1.31	1.158	O	|	|	|	|	0.56
27.083	0.00	1.30	1.149	O	|	|	|	|	0.56
27.167	0.00	1.29	1.140	O	|	|	|	|	0.56
27.250	0.00	1.28	1.131	O	|	|	|	|	0.55
27.333	0.00	1.27	1.123	O	|	|	|	|	0.55
27.417	0.00	1.26	1.114	O	|	|	|	|	0.54
27.500	0.00	1.25	1.105	O	|	|	|	|	0.54
27.583	0.00	1.24	1.097	O	|	|	|	|	0.53
27.667	0.00	1.23	1.088	O	|	|	|	|	0.53
27.750	0.00	1.22	1.080	O	|	|	|	|	0.53
27.833	0.00	1.21	1.071	O	|	|	|	|	0.52
27.917	0.00	1.20	1.063	O	|	|	|	|	0.52
28.000	0.00	1.19	1.055	O	|	|	|	|	0.51
28.083	0.00	1.18	1.047	O	|	|	|	|	0.51
28.167	0.00	1.18	1.038	O	|	|	|	|	0.51
28.250	0.00	1.17	1.030	O	|	|	|	|	0.50
28.333	0.00	1.16	1.022	O	|	|	|	|	0.50

28.417	0.00	1.15	1.014	O	|	|	|	|	0.49
28.500	0.00	1.14	1.007	O	|	|	|	|	0.49
28.583	0.00	1.13	0.999	O	|	|	|	|	0.49
28.667	0.00	1.12	0.991	O	|	|	|	|	0.48
28.750	0.00	1.11	0.983	O	|	|	|	|	0.48
28.833	0.00	1.10	0.976	O	|	|	|	|	0.48
28.917	0.00	1.10	0.968	O	|	|	|	|	0.47
29.000	0.00	1.09	0.961	O	|	|	|	|	0.47
29.083	0.00	1.08	0.953	O	|	|	|	|	0.46
29.167	0.00	1.07	0.946	O	|	|	|	|	0.46
29.250	0.00	1.06	0.938	O	|	|	|	|	0.46
29.333	0.00	1.05	0.931	O	|	|	|	|	0.45
29.417	0.00	1.05	0.924	O	|	|	|	|	0.45
29.500	0.00	1.04	0.917	O	|	|	|	|	0.45
29.583	0.00	1.03	0.910	O	|	|	|	|	0.44
29.667	0.00	1.02	0.902	O	|	|	|	|	0.44
29.750	0.00	1.01	0.895	O	|	|	|	|	0.44
29.833	0.00	1.01	0.889	O	|	|	|	|	0.43
29.917	0.00	1.00	0.882	O	|	|	|	|	0.43
30.000	0.00	0.99	0.875	O	|	|	|	|	0.43
30.083	0.00	0.98	0.868	O	|	|	|	|	0.42
30.167	0.00	0.97	0.861	O	|	|	|	|	0.42
30.250	0.00	0.97	0.855	O	|	|	|	|	0.42
30.333	0.00	0.96	0.848	O	|	|	|	|	0.41
30.417	0.00	0.95	0.841	O	|	|	|	|	0.41
30.500	0.00	0.94	0.835	O	|	|	|	|	0.41
30.583	0.00	0.94	0.828	O	|	|	|	|	0.40
30.667	0.00	0.93	0.822	O	|	|	|	|	0.40
30.750	0.00	0.92	0.816	O	|	|	|	|	0.40
30.833	0.00	0.92	0.809	O	|	|	|	|	0.39
30.917	0.00	0.91	0.803	O	|	|	|	|	0.39
31.000	0.00	0.90	0.797	O	|	|	|	|	0.39
31.083	0.00	0.89	0.790	O	|	|	|	|	0.39
31.167	0.00	0.89	0.784	O	|	|	|	|	0.38
31.250	0.00	0.88	0.778	O	|	|	|	|	0.38
31.333	0.00	0.87	0.772	O	|	|	|	|	0.38
31.417	0.00	0.87	0.766	O	|	|	|	|	0.37
31.500	0.00	0.86	0.760	O	|	|	|	|	0.37
31.583	0.00	0.85	0.754	O	|	|	|	|	0.37
31.667	0.00	0.85	0.749	O	|	|	|	|	0.37
31.750	0.00	0.84	0.743	O	|	|	|	|	0.36
31.833	0.00	0.83	0.737	O	|	|	|	|	0.36
31.917	0.00	0.83	0.731	O	|	|	|	|	0.36
32.000	0.00	0.82	0.726	O	|	|	|	|	0.35
32.083	0.00	0.81	0.720	O	|	|	|	|	0.35
32.167	0.00	0.81	0.714	O	|	|	|	|	0.35
32.250	0.00	0.80	0.709	O	|	|	|	|	0.35
32.333	0.00	0.80	0.703	O	|	|	|	|	0.34
32.417	0.00	0.79	0.698	O	|	|	|	|	0.34
32.500	0.00	0.78	0.692	O	|	|	|	|	0.34
32.583	0.00	0.78	0.687	O	|	|	|	|	0.34
32.667	0.00	0.77	0.682	O	|	|	|	|	0.33
32.750	0.00	0.77	0.676	O	|	|	|	|	0.33
32.833	0.00	0.76	0.671	O	|	|	|	|	0.33
32.917	0.00	0.75	0.666	O	|	|	|	|	0.32
33.000	0.00	0.75	0.661	O	|	|	|	|	0.32
33.083	0.00	0.74	0.656	O	|	|	|	|	0.32
33.167	0.00	0.74	0.651	O	|	|	|	|	0.32
33.250	0.00	0.73	0.645	O	|	|	|	|	0.31
33.333	0.00	0.72	0.640	O	|	|	|	|	0.31
33.417	0.00	0.72	0.636	O	|	|	|	|	0.31
33.500	0.00	0.71	0.631	O	|	|	|	|	0.31
33.583	0.00	0.71	0.626	O	|	|	|	|	0.31
33.667	0.00	0.70	0.621	O	|	|	|	|	0.30
33.750	0.00	0.70	0.616	O	|	|	|	|	0.30
33.833	0.00	0.69	0.611	O	|	|	|	|	0.30
33.917	0.00	0.69	0.606	O	|	|	|	|	0.30
34.000	0.00	0.68	0.602	O	|	|	|	|	0.29

34.083	0.00	0.68	0.597	O	|	|	|	|	0.29
34.167	0.00	0.67	0.592	O	|	|	|	|	0.29
34.250	0.00	0.67	0.588	O	|	|	|	|	0.29
34.333	0.00	0.66	0.583	O	|	|	|	|	0.28
34.417	0.00	0.65	0.579	O	|	|	|	|	0.28
34.500	0.00	0.65	0.574	O	|	|	|	|	0.28
34.583	0.00	0.64	0.570	O	|	|	|	|	0.28
34.667	0.00	0.64	0.565	O	|	|	|	|	0.28
34.750	0.00	0.63	0.561	O	|	|	|	|	0.27
34.833	0.00	0.63	0.557	O	|	|	|	|	0.27
34.917	0.00	0.63	0.552	O	|	|	|	|	0.27
35.000	0.00	0.62	0.548	O	|	|	|	|	0.27
35.083	0.00	0.62	0.544	O	|	|	|	|	0.27
35.167	0.00	0.61	0.540	O	|	|	|	|	0.26
35.250	0.00	0.61	0.535	O	|	|	|	|	0.26
35.333	0.00	0.60	0.531	O	|	|	|	|	0.26
35.417	0.00	0.60	0.527	O	|	|	|	|	0.26
35.500	0.00	0.59	0.523	O	|	|	|	|	0.26
35.583	0.00	0.59	0.519	O	|	|	|	|	0.25
35.667	0.00	0.58	0.515	O	|	|	|	|	0.25
35.750	0.00	0.58	0.511	O	|	|	|	|	0.25
35.833	0.00	0.57	0.507	O	|	|	|	|	0.25
35.917	0.00	0.57	0.503	O	|	|	|	|	0.25
36.000	0.00	0.56	0.499	O	|	|	|	|	0.24
36.083	0.00	0.56	0.495	O	|	|	|	|	0.24
36.167	0.00	0.56	0.491	O	|	|	|	|	0.24
36.250	0.00	0.55	0.488	O	|	|	|	|	0.24
36.333	0.00	0.55	0.484	O	|	|	|	|	0.24
36.417	0.00	0.54	0.480	O	|	|	|	|	0.23
36.500	0.00	0.54	0.476	O	|	|	|	|	0.23
36.583	0.00	0.53	0.473	O	|	|	|	|	0.23
36.667	0.00	0.53	0.469	O	|	|	|	|	0.23
36.750	0.00	0.53	0.465	O	|	|	|	|	0.23
36.833	0.00	0.52	0.462	O	|	|	|	|	0.23
36.917	0.00	0.52	0.458	O	|	|	|	|	0.22
37.000	0.00	0.51	0.455	O	|	|	|	|	0.22
37.083	0.00	0.51	0.451	O	|	|	|	|	0.22
37.167	0.00	0.51	0.448	O	|	|	|	|	0.22
37.250	0.00	0.50	0.444	O	|	|	|	|	0.22
37.333	0.00	0.50	0.441	O	|	|	|	|	0.21
37.417	0.00	0.49	0.437	O	|	|	|	|	0.21
37.500	0.00	0.49	0.434	O	|	|	|	|	0.21
37.583	0.00	0.49	0.430	O	|	|	|	|	0.21
37.667	0.00	0.48	0.427	O	|	|	|	|	0.21
37.750	0.00	0.48	0.424	O	|	|	|	|	0.21
37.833	0.00	0.48	0.420	O	|	|	|	|	0.21
37.917	0.00	0.47	0.417	O	|	|	|	|	0.20
38.000	0.00	0.47	0.414	O	|	|	|	|	0.20
38.083	0.00	0.46	0.411	O	|	|	|	|	0.20
38.167	0.00	0.46	0.408	O	|	|	|	|	0.20
38.250	0.00	0.46	0.404	O	|	|	|	|	0.20
38.333	0.00	0.45	0.401	O	|	|	|	|	0.20
38.417	0.00	0.45	0.398	O	|	|	|	|	0.19
38.500	0.00	0.45	0.395	O	|	|	|	|	0.19
38.583	0.00	0.44	0.392	O	|	|	|	|	0.19
38.667	0.00	0.44	0.389	O	|	|	|	|	0.19
38.750	0.00	0.44	0.386	O	|	|	|	|	0.19
38.833	0.00	0.43	0.383	O	|	|	|	|	0.19
38.917	0.00	0.43	0.380	O	|	|	|	|	0.19
39.000	0.00	0.43	0.377	O	|	|	|	|	0.18
39.083	0.00	0.42	0.374	O	|	|	|	|	0.18
39.167	0.00	0.42	0.371	O	|	|	|	|	0.18
39.250	0.00	0.42	0.368	O	|	|	|	|	0.18
39.333	0.00	0.41	0.365	O	|	|	|	|	0.18
39.417	0.00	0.41	0.363	O	|	|	|	|	0.18
39.500	0.00	0.41	0.360	O	|	|	|	|	0.18
39.583	0.00	0.40	0.357	O	|	|	|	|	0.17
39.667	0.00	0.40	0.354	O	|	|	|	|	0.17

39.750	0.00	0.40	0.351	O	|	|	|	|	0.17
39.833	0.00	0.39	0.349	O	|	|	|	|	0.17
39.917	0.00	0.39	0.346	O	|	|	|	|	0.17
40.000	0.00	0.39	0.343	O	|	|	|	|	0.17
40.083	0.00	0.39	0.341	O	|	|	|	|	0.17
40.167	0.00	0.38	0.338	O	|	|	|	|	0.16
40.250	0.00	0.38	0.335	O	|	|	|	|	0.16
40.333	0.00	0.38	0.333	O	|	|	|	|	0.16
40.417	0.00	0.37	0.330	O	|	|	|	|	0.16
40.500	0.00	0.37	0.328	O	|	|	|	|	0.16
40.583	0.00	0.37	0.325	O	|	|	|	|	0.16
40.667	0.00	0.37	0.323	O	|	|	|	|	0.16
40.750	0.00	0.36	0.320	O	|	|	|	|	0.16
40.833	0.00	0.36	0.318	O	|	|	|	|	0.15
40.917	0.00	0.36	0.315	O	|	|	|	|	0.15
41.000	0.00	0.35	0.313	O	|	|	|	|	0.15
41.083	0.00	0.35	0.310	O	|	|	|	|	0.15
41.167	0.00	0.35	0.308	O	|	|	|	|	0.15
41.250	0.00	0.35	0.305	O	|	|	|	|	0.15
41.333	0.00	0.34	0.303	O	|	|	|	|	0.15
41.417	0.00	0.34	0.301	O	|	|	|	|	0.15
41.500	0.00	0.34	0.298	O	|	|	|	|	0.15
41.583	0.00	0.34	0.296	O	|	|	|	|	0.14
41.667	0.00	0.33	0.294	O	|	|	|	|	0.14
41.750	0.00	0.33	0.291	O	|	|	|	|	0.14
41.833	0.00	0.33	0.289	O	|	|	|	|	0.14
41.917	0.00	0.32	0.287	O	|	|	|	|	0.14
42.000	0.00	0.32	0.285	O	|	|	|	|	0.14
42.083	0.00	0.32	0.283	O	|	|	|	|	0.14
42.167	0.00	0.32	0.280	O	|	|	|	|	0.14
42.250	0.00	0.31	0.278	O	|	|	|	|	0.14
42.333	0.00	0.31	0.276	O	|	|	|	|	0.13
42.417	0.00	0.31	0.274	O	|	|	|	|	0.13
42.500	0.00	0.31	0.272	O	|	|	|	|	0.13
42.583	0.00	0.31	0.270	O	|	|	|	|	0.13
42.667	0.00	0.30	0.268	O	|	|	|	|	0.13
42.750	0.00	0.30	0.265	O	|	|	|	|	0.13
42.833	0.00	0.30	0.263	O	|	|	|	|	0.13
42.917	0.00	0.30	0.261	O	|	|	|	|	0.13
43.000	0.00	0.29	0.259	O	|	|	|	|	0.13
43.083	0.00	0.29	0.257	O	|	|	|	|	0.13
43.167	0.00	0.29	0.255	O	|	|	|	|	0.12
43.250	0.00	0.29	0.253	O	|	|	|	|	0.12
43.333	0.00	0.28	0.251	O	|	|	|	|	0.12
43.417	0.00	0.28	0.249	O	|	|	|	|	0.12
43.500	0.00	0.28	0.247	O	|	|	|	|	0.12
43.583	0.00	0.28	0.246	O	|	|	|	|	0.12
43.667	0.00	0.28	0.244	O	|	|	|	|	0.12
43.750	0.00	0.27	0.242	O	|	|	|	|	0.12
43.833	0.00	0.27	0.240	O	|	|	|	|	0.12
43.917	0.00	0.27	0.238	O	|	|	|	|	0.12
44.000	0.00	0.27	0.236	O	|	|	|	|	0.12
44.083	0.00	0.27	0.234	O	|	|	|	|	0.11
44.167	0.00	0.26	0.233	O	|	|	|	|	0.11
44.250	0.00	0.26	0.231	O	|	|	|	|	0.11
44.333	0.00	0.26	0.229	O	|	|	|	|	0.11
44.417	0.00	0.26	0.227	O	|	|	|	|	0.11
44.500	0.00	0.26	0.225	O	|	|	|	|	0.11
44.583	0.00	0.25	0.224	O	|	|	|	|	0.11
44.667	0.00	0.25	0.222	O	|	|	|	|	0.11
44.750	0.00	0.25	0.220	O	|	|	|	|	0.11
44.833	0.00	0.25	0.218	O	|	|	|	|	0.11
44.917	0.00	0.25	0.217	O	|	|	|	|	0.11
45.000	0.00	0.24	0.215	O	|	|	|	|	0.10
45.083	0.00	0.24	0.213	O	|	|	|	|	0.10
45.167	0.00	0.24	0.212	O	|	|	|	|	0.10
45.250	0.00	0.24	0.210	O	|	|	|	|	0.10
45.333	0.00	0.24	0.208	O	|	|	|	|	0.10

45.417	0.00	0.23	0.207	O	|	|	|	|	0.10
45.500	0.00	0.23	0.205	O	|	|	|	|	0.10
45.583	0.00	0.23	0.204	O	|	|	|	|	0.10
45.667	0.00	0.23	0.202	O	|	|	|	|	0.10
45.750	0.00	0.23	0.201	O	|	|	|	|	0.10
45.833	0.00	0.23	0.199	O	|	|	|	|	0.10
45.917	0.00	0.22	0.197	O	|	|	|	|	0.10
46.000	0.00	0.22	0.196	O	|	|	|	|	0.10
46.083	0.00	0.22	0.194	O	|	|	|	|	0.09
46.167	0.00	0.22	0.193	O	|	|	|	|	0.09
46.250	0.00	0.22	0.191	O	|	|	|	|	0.09
46.333	0.00	0.21	0.190	O	|	|	|	|	0.09
46.417	0.00	0.21	0.188	O	|	|	|	|	0.09
46.500	0.00	0.21	0.187	O	|	|	|	|	0.09
46.583	0.00	0.21	0.185	O	|	|	|	|	0.09
46.667	0.00	0.21	0.184	O	|	|	|	|	0.09
46.750	0.00	0.21	0.183	O	|	|	|	|	0.09
46.833	0.00	0.21	0.181	O	|	|	|	|	0.09
46.917	0.00	0.20	0.180	O	|	|	|	|	0.09
47.000	0.00	0.20	0.178	O	|	|	|	|	0.09
47.083	0.00	0.20	0.177	O	|	|	|	|	0.09
47.167	0.00	0.20	0.176	O	|	|	|	|	0.09
47.250	0.00	0.20	0.174	O	|	|	|	|	0.09
47.333	0.00	0.20	0.173	O	|	|	|	|	0.08
47.417	0.00	0.19	0.172	O	|	|	|	|	0.08
47.500	0.00	0.19	0.170	O	|	|	|	|	0.08
47.583	0.00	0.19	0.169	O	|	|	|	|	0.08
47.667	0.00	0.19	0.168	O	|	|	|	|	0.08
47.750	0.00	0.19	0.166	O	|	|	|	|	0.08
47.833	0.00	0.19	0.165	O	|	|	|	|	0.08
47.917	0.00	0.19	0.164	O	|	|	|	|	0.08
48.000	0.00	0.18	0.162	O	|	|	|	|	0.08
48.083	0.00	0.18	0.161	O	|	|	|	|	0.08
48.167	0.00	0.18	0.160	O	|	|	|	|	0.08
48.250	0.00	0.18	0.159	O	|	|	|	|	0.08
48.333	0.00	0.18	0.157	O	|	|	|	|	0.08
48.417	0.00	0.18	0.156	O	|	|	|	|	0.08
48.500	0.00	0.18	0.155	O	|	|	|	|	0.08
48.583	0.00	0.17	0.154	O	|	|	|	|	0.08
48.667	0.00	0.17	0.153	O	|	|	|	|	0.07
48.750	0.00	0.17	0.151	O	|	|	|	|	0.07
48.833	0.00	0.17	0.150	O	|	|	|	|	0.07
48.917	0.00	0.17	0.149	O	|	|	|	|	0.07
49.000	0.00	0.17	0.148	O	|	|	|	|	0.07
49.083	0.00	0.17	0.147	O	|	|	|	|	0.07
49.167	0.00	0.16	0.146	O	|	|	|	|	0.07
49.250	0.00	0.16	0.145	O	|	|	|	|	0.07
49.333	0.00	0.16	0.143	O	|	|	|	|	0.07
49.417	0.00	0.16	0.142	O	|	|	|	|	0.07
49.500	0.00	0.16	0.141	O	|	|	|	|	0.07
49.583	0.00	0.16	0.140	O	|	|	|	|	0.07
49.667	0.00	0.16	0.139	O	|	|	|	|	0.07
49.750	0.00	0.16	0.138	O	|	|	|	|	0.07
49.833	0.00	0.15	0.137	O	|	|	|	|	0.07
49.917	0.00	0.15	0.136	O	|	|	|	|	0.07
50.000	0.00	0.15	0.135	O	|	|	|	|	0.07
50.083	0.00	0.15	0.134	O	|	|	|	|	0.07
50.167	0.00	0.15	0.133	O	|	|	|	|	0.06
50.250	0.00	0.15	0.132	O	|	|	|	|	0.06
50.333	0.00	0.15	0.131	O	|	|	|	|	0.06
50.417	0.00	0.15	0.130	O	|	|	|	|	0.06
50.500	0.00	0.15	0.129	O	|	|	|	|	0.06
50.583	0.00	0.14	0.128	O	|	|	|	|	0.06
50.667	0.00	0.14	0.127	O	|	|	|	|	0.06
50.750	0.00	0.14	0.126	O	|	|	|	|	0.06
50.833	0.00	0.14	0.125	O	|	|	|	|	0.06
50.917	0.00	0.14	0.124	O	|	|	|	|	0.06
51.000	0.00	0.14	0.123	O	|	|	|	|	0.06

51.083	0.00	0.14	0.122	O	|	|	|	|	0.06
51.167	0.00	0.14	0.121	O	|	|	|	|	0.06
51.250	0.00	0.14	0.120	O	|	|	|	|	0.06
51.333	0.00	0.13	0.119	O	|	|	|	|	0.06
51.417	0.00	0.13	0.118	O	|	|	|	|	0.06
51.500	0.00	0.13	0.117	O	|	|	|	|	0.06
51.583	0.00	0.13	0.116	O	|	|	|	|	0.06
51.667	0.00	0.13	0.115	O	|	|	|	|	0.06
51.750	0.00	0.13	0.114	O	|	|	|	|	0.06
51.833	0.00	0.13	0.114	O	|	|	|	|	0.06
51.917	0.00	0.13	0.113	O	|	|	|	|	0.05
52.000	0.00	0.13	0.112	O	|	|	|	|	0.05
52.083	0.00	0.13	0.111	O	|	|	|	|	0.05
52.167	0.00	0.12	0.110	O	|	|	|	|	0.05
52.250	0.00	0.12	0.109	O	|	|	|	|	0.05
52.333	0.00	0.12	0.108	O	|	|	|	|	0.05
52.417	0.00	0.12	0.107	O	|	|	|	|	0.05
52.500	0.00	0.12	0.107	O	|	|	|	|	0.05
52.583	0.00	0.12	0.106	O	|	|	|	|	0.05
52.667	0.00	0.12	0.105	O	|	|	|	|	0.05
52.750	0.00	0.12	0.104	O	|	|	|	|	0.05
52.833	0.00	0.12	0.103	O	|	|	|	|	0.05
52.917	0.00	0.12	0.103	O	|	|	|	|	0.05
53.000	0.00	0.12	0.102	O	|	|	|	|	0.05
53.083	0.00	0.11	0.101	O	|	|	|	|	0.05
53.167	0.00	0.11	0.100	O	|	|	|	|	0.05
53.250	0.00	0.11	0.099	O	|	|	|	|	0.05
53.333	0.00	0.11	0.099	O	|	|	|	|	0.05
53.417	0.00	0.11	0.098	O	|	|	|	|	0.05
53.500	0.00	0.11	0.097	O	|	|	|	|	0.05
53.583	0.00	0.11	0.096	O	|	|	|	|	0.05
53.667	0.00	0.11	0.096	O	|	|	|	|	0.05
53.750	0.00	0.11	0.095	O	|	|	|	|	0.05
53.833	0.00	0.11	0.094	O	|	|	|	|	0.05
53.917	0.00	0.11	0.093	O	|	|	|	|	0.05
54.000	0.00	0.10	0.093	O	|	|	|	|	0.05
54.083	0.00	0.10	0.092	O	|	|	|	|	0.04
54.167	0.00	0.10	0.091	O	|	|	|	|	0.04
54.250	0.00	0.10	0.091	O	|	|	|	|	0.04
54.333	0.00	0.10	0.090	O	|	|	|	|	0.04
54.417	0.00	0.10	0.089	O	|	|	|	|	0.04
54.500	0.00	0.10	0.088	O	|	|	|	|	0.04
54.583	0.00	0.10	0.088	O	|	|	|	|	0.04
54.667	0.00	0.10	0.087	O	|	|	|	|	0.04
54.750	0.00	0.10	0.086	O	|	|	|	|	0.04
54.833	0.00	0.10	0.086	O	|	|	|	|	0.04
54.917	0.00	0.10	0.085	O	|	|	|	|	0.04
55.000	0.00	0.10	0.084	O	|	|	|	|	0.04
55.083	0.00	0.09	0.084	O	|	|	|	|	0.04
55.167	0.00	0.09	0.083	O	|	|	|	|	0.04
55.250	0.00	0.09	0.082	O	|	|	|	|	0.04
55.333	0.00	0.09	0.082	O	|	|	|	|	0.04
55.417	0.00	0.09	0.081	O	|	|	|	|	0.04
55.500	0.00	0.09	0.081	O	|	|	|	|	0.04
55.583	0.00	0.09	0.080	O	|	|	|	|	0.04
55.667	0.00	0.09	0.079	O	|	|	|	|	0.04
55.750	0.00	0.09	0.079	O	|	|	|	|	0.04
55.833	0.00	0.09	0.078	O	|	|	|	|	0.04
55.917	0.00	0.09	0.077	O	|	|	|	|	0.04
56.000	0.00	0.09	0.077	O	|	|	|	|	0.04
56.083	0.00	0.09	0.076	O	|	|	|	|	0.04
56.167	0.00	0.09	0.076	O	|	|	|	|	0.04
56.250	0.00	0.08	0.075	O	|	|	|	|	0.04
56.333	0.00	0.08	0.075	O	|	|	|	|	0.04
56.417	0.00	0.08	0.074	O	|	|	|	|	0.04
56.500	0.00	0.08	0.073	O	|	|	|	|	0.04
56.583	0.00	0.08	0.073	O	|	|	|	|	0.04
56.667	0.00	0.08	0.072	O	|	|	|	|	0.04

56.750	0.00	0.08	0.072	O	|	|	|	|	0.03
56.833	0.00	0.08	0.071	O	|	|	|	|	0.03
56.917	0.00	0.08	0.071	O	|	|	|	|	0.03
57.000	0.00	0.08	0.070	O	|	|	|	|	0.03
57.083	0.00	0.08	0.069	O	|	|	|	|	0.03
57.167	0.00	0.08	0.069	O	|	|	|	|	0.03
57.250	0.00	0.08	0.068	O	|	|	|	|	0.03
57.333	0.00	0.08	0.068	O	|	|	|	|	0.03
57.417	0.00	0.08	0.067	O	|	|	|	|	0.03
57.500	0.00	0.08	0.067	O	|	|	|	|	0.03
57.583	0.00	0.08	0.066	O	|	|	|	|	0.03
57.667	0.00	0.07	0.066	O	|	|	|	|	0.03
57.750	0.00	0.07	0.065	O	|	|	|	|	0.03
57.833	0.00	0.07	0.065	O	|	|	|	|	0.03
57.917	0.00	0.07	0.064	O	|	|	|	|	0.03
58.000	0.00	0.07	0.064	O	|	|	|	|	0.03
58.083	0.00	0.07	0.063	O	|	|	|	|	0.03
58.167	0.00	0.07	0.063	O	|	|	|	|	0.03
58.250	0.00	0.07	0.062	O	|	|	|	|	0.03
58.333	0.00	0.07	0.062	O	|	|	|	|	0.03
58.417	0.00	0.07	0.061	O	|	|	|	|	0.03
58.500	0.00	0.07	0.061	O	|	|	|	|	0.03
58.583	0.00	0.07	0.060	O	|	|	|	|	0.03
58.667	0.00	0.07	0.060	O	|	|	|	|	0.03
58.750	0.00	0.07	0.059	O	|	|	|	|	0.03
58.833	0.00	0.07	0.059	O	|	|	|	|	0.03
58.917	0.00	0.07	0.059	O	|	|	|	|	0.03
59.000	0.00	0.07	0.058	O	|	|	|	|	0.03
59.083	0.00	0.07	0.058	O	|	|	|	|	0.03
59.167	0.00	0.06	0.057	O	|	|	|	|	0.03
59.250	0.00	0.06	0.057	O	|	|	|	|	0.03
59.333	0.00	0.06	0.056	O	|	|	|	|	0.03
59.417	0.00	0.06	0.056	O	|	|	|	|	0.03
59.500	0.00	0.06	0.055	O	|	|	|	|	0.03
59.583	0.00	0.06	0.055	O	|	|	|	|	0.03
59.667	0.00	0.06	0.055	O	|	|	|	|	0.03
59.750	0.00	0.06	0.054	O	|	|	|	|	0.03
59.833	0.00	0.06	0.054	O	|	|	|	|	0.03
59.917	0.00	0.06	0.053	O	|	|	|	|	0.03
60.000	0.00	0.06	0.053	O	|	|	|	|	0.03
60.083	0.00	0.06	0.052	O	|	|	|	|	0.03
60.167	0.00	0.06	0.052	O	|	|	|	|	0.03
60.250	0.00	0.06	0.052	O	|	|	|	|	0.03
60.333	0.00	0.06	0.051	O	|	|	|	|	0.03
60.417	0.00	0.06	0.051	O	|	|	|	|	0.02
60.500	0.00	0.06	0.050	O	|	|	|	|	0.02
60.583	0.00	0.06	0.050	O	|	|	|	|	0.02
60.667	0.00	0.06	0.050	O	|	|	|	|	0.02
60.750	0.00	0.06	0.049	O	|	|	|	|	0.02
60.833	0.00	0.06	0.049	O	|	|	|	|	0.02
60.917	0.00	0.05	0.049	O	|	|	|	|	0.02
61.000	0.00	0.05	0.048	O	|	|	|	|	0.02
61.083	0.00	0.05	0.048	O	|	|	|	|	0.02
61.167	0.00	0.05	0.047	O	|	|	|	|	0.02
61.250	0.00	0.05	0.047	O	|	|	|	|	0.02
61.333	0.00	0.05	0.047	O	|	|	|	|	0.02
61.417	0.00	0.05	0.046	O	|	|	|	|	0.02
61.500	0.00	0.05	0.046	O	|	|	|	|	0.02
61.583	0.00	0.05	0.046	O	|	|	|	|	0.02
61.667	0.00	0.05	0.045	O	|	|	|	|	0.02
61.750	0.00	0.05	0.045	O	|	|	|	|	0.02
61.833	0.00	0.05	0.045	O	|	|	|	|	0.02
61.917	0.00	0.05	0.044	O	|	|	|	|	0.02
62.000	0.00	0.05	0.044	O	|	|	|	|	0.02
62.083	0.00	0.05	0.044	O	|	|	|	|	0.02
62.167	0.00	0.05	0.043	O	|	|	|	|	0.02
62.250	0.00	0.05	0.043	O	|	|	|	|	0.02
62.333	0.00	0.05	0.043	O	|	|	|	|	0.02

62.417	0.00	0.05	0.042	O	|	|	|	|	0.02
62.500	0.00	0.05	0.042	O	|	|	|	|	0.02
62.583	0.00	0.05	0.042	O	|	|	|	|	0.02
62.667	0.00	0.05	0.041	O	|	|	|	|	0.02
62.750	0.00	0.05	0.041	O	|	|	|	|	0.02
62.833	0.00	0.05	0.041	O	|	|	|	|	0.02
62.917	0.00	0.05	0.040	O	|	|	|	|	0.02
63.000	0.00	0.05	0.040	O	|	|	|	|	0.02
63.083	0.00	0.04	0.040	O	|	|	|	|	0.02
63.167	0.00	0.04	0.039	O	|	|	|	|	0.02
63.250	0.00	0.04	0.039	O	|	|	|	|	0.02
63.333	0.00	0.04	0.039	O	|	|	|	|	0.02
63.417	0.00	0.04	0.038	O	|	|	|	|	0.02
63.500	0.00	0.04	0.038	O	|	|	|	|	0.02
63.583	0.00	0.04	0.038	O	|	|	|	|	0.02
63.667	0.00	0.04	0.038	O	|	|	|	|	0.02
63.750	0.00	0.04	0.037	O	|	|	|	|	0.02
63.833	0.00	0.04	0.037	O	|	|	|	|	0.02
63.917	0.00	0.04	0.037	O	|	|	|	|	0.02
64.000	0.00	0.04	0.036	O	|	|	|	|	0.02
64.083	0.00	0.04	0.036	O	|	|	|	|	0.02
64.167	0.00	0.04	0.036	O	|	|	|	|	0.02
64.250	0.00	0.04	0.036	O	|	|	|	|	0.02
64.333	0.00	0.04	0.035	O	|	|	|	|	0.02
64.417	0.00	0.04	0.035	O	|	|	|	|	0.02
64.500	0.00	0.04	0.035	O	|	|	|	|	0.02
64.583	0.00	0.04	0.034	O	|	|	|	|	0.02
64.667	0.00	0.04	0.034	O	|	|	|	|	0.02
64.750	0.00	0.04	0.034	O	|	|	|	|	0.02
64.833	0.00	0.04	0.034	O	|	|	|	|	0.02
64.917	0.00	0.04	0.033	O	|	|	|	|	0.02
65.000	0.00	0.04	0.033	O	|	|	|	|	0.02
65.083	0.00	0.04	0.033	O	|	|	|	|	0.02
65.167	0.00	0.04	0.033	O	|	|	|	|	0.02
65.250	0.00	0.04	0.032	O	|	|	|	|	0.02
65.333	0.00	0.04	0.032	O	|	|	|	|	0.02
65.417	0.00	0.04	0.032	O	|	|	|	|	0.02
65.500	0.00	0.04	0.032	O	|	|	|	|	0.02
65.583	0.00	0.04	0.031	O	|	|	|	|	0.02
65.667	0.00	0.04	0.031	O	|	|	|	|	0.02
65.750	0.00	0.03	0.031	O	|	|	|	|	0.02
65.833	0.00	0.03	0.031	O	|	|	|	|	0.01
65.917	0.00	0.03	0.030	O	|	|	|	|	0.01
66.000	0.00	0.03	0.030	O	|	|	|	|	0.01
66.083	0.00	0.03	0.030	O	|	|	|	|	0.01
66.167	0.00	0.03	0.030	O	|	|	|	|	0.01
66.250	0.00	0.03	0.029	O	|	|	|	|	0.01
66.333	0.00	0.03	0.029	O	|	|	|	|	0.01
66.417	0.00	0.03	0.029	O	|	|	|	|	0.01
66.500	0.00	0.03	0.029	O	|	|	|	|	0.01
66.583	0.00	0.03	0.029	O	|	|	|	|	0.01
66.667	0.00	0.03	0.028	O	|	|	|	|	0.01
66.750	0.00	0.03	0.028	O	|	|	|	|	0.01
66.833	0.00	0.03	0.028	O	|	|	|	|	0.01
66.917	0.00	0.03	0.028	O	|	|	|	|	0.01
67.000	0.00	0.03	0.027	O	|	|	|	|	0.01
67.083	0.00	0.03	0.027	O	|	|	|	|	0.01
67.167	0.00	0.03	0.027	O	|	|	|	|	0.01
67.250	0.00	0.03	0.027	O	|	|	|	|	0.01
67.333	0.00	0.03	0.027	O	|	|	|	|	0.01
67.417	0.00	0.03	0.026	O	|	|	|	|	0.01
67.500	0.00	0.03	0.026	O	|	|	|	|	0.01
67.583	0.00	0.03	0.026	O	|	|	|	|	0.01
67.667	0.00	0.03	0.026	O	|	|	|	|	0.01
67.750	0.00	0.03	0.026	O	|	|	|	|	0.01
67.833	0.00	0.03	0.025	O	|	|	|	|	0.01
67.917	0.00	0.03	0.025	O	|	|	|	|	0.01
68.000	0.00	0.03	0.025	O	|	|	|	|	0.01

68.083	0.00	0.03	0.025	O	|	|	|	|	0.01
68.167	0.00	0.03	0.025	O	|	|	|	|	0.01
68.250	0.00	0.03	0.024	O	|	|	|	|	0.01
68.333	0.00	0.03	0.024	O	|	|	|	|	0.01
68.417	0.00	0.03	0.024	O	|	|	|	|	0.01
68.500	0.00	0.03	0.024	O	|	|	|	|	0.01
68.583	0.00	0.03	0.024	O	|	|	|	|	0.01
68.667	0.00	0.03	0.024	O	|	|	|	|	0.01
68.750	0.00	0.03	0.023	O	|	|	|	|	0.01
68.833	0.00	0.03	0.023	O	|	|	|	|	0.01
68.917	0.00	0.03	0.023	O	|	|	|	|	0.01
69.000	0.00	0.03	0.023	O	|	|	|	|	0.01
69.083	0.00	0.03	0.023	O	|	|	|	|	0.01
69.167	0.00	0.03	0.022	O	|	|	|	|	0.01
69.250	0.00	0.03	0.022	O	|	|	|	|	0.01
69.333	0.00	0.02	0.022	O	|	|	|	|	0.01
69.417	0.00	0.02	0.022	O	|	|	|	|	0.01
69.500	0.00	0.02	0.022	O	|	|	|	|	0.01
69.583	0.00	0.02	0.022	O	|	|	|	|	0.01
69.667	0.00	0.02	0.021	O	|	|	|	|	0.01
69.750	0.00	0.02	0.021	O	|	|	|	|	0.01
69.833	0.00	0.02	0.021	O	|	|	|	|	0.01
69.917	0.00	0.02	0.021	O	|	|	|	|	0.01
70.000	0.00	0.02	0.021	O	|	|	|	|	0.01
70.083	0.00	0.02	0.021	O	|	|	|	|	0.01
70.167	0.00	0.02	0.020	O	|	|	|	|	0.01
70.250	0.00	0.02	0.020	O	|	|	|	|	0.01
70.333	0.00	0.02	0.020	O	|	|	|	|	0.01
70.417	0.00	0.02	0.020	O	|	|	|	|	0.01
70.500	0.00	0.02	0.020	O	|	|	|	|	0.01
70.583	0.00	0.02	0.020	O	|	|	|	|	0.01
70.667	0.00	0.02	0.020	O	|	|	|	|	0.01
70.750	0.00	0.02	0.019	O	|	|	|	|	0.01
70.833	0.00	0.02	0.019	O	|	|	|	|	0.01
70.917	0.00	0.02	0.019	O	|	|	|	|	0.01
71.000	0.00	0.02	0.019	O	|	|	|	|	0.01
71.083	0.00	0.02	0.019	O	|	|	|	|	0.01
71.167	0.00	0.02	0.019	O	|	|	|	|	0.01
71.250	0.00	0.02	0.018	O	|	|	|	|	0.01
71.333	0.00	0.02	0.018	O	|	|	|	|	0.01
71.417	0.00	0.02	0.018	O	|	|	|	|	0.01
71.500	0.00	0.02	0.018	O	|	|	|	|	0.01
71.583	0.00	0.02	0.018	O	|	|	|	|	0.01
71.667	0.00	0.02	0.018	O	|	|	|	|	0.01
71.750	0.00	0.02	0.018	O	|	|	|	|	0.01
71.833	0.00	0.02	0.017	O	|	|	|	|	0.01
71.917	0.00	0.02	0.017	O	|	|	|	|	0.01
72.000	0.00	0.02	0.017	O	|	|	|	|	0.01
72.083	0.00	0.02	0.017	O	|	|	|	|	0.01
72.167	0.00	0.02	0.017	O	|	|	|	|	0.01
72.250	0.00	0.02	0.017	O	|	|	|	|	0.01
72.333	0.00	0.02	0.017	O	|	|	|	|	0.01
72.417	0.00	0.02	0.017	O	|	|	|	|	0.01
72.500	0.00	0.02	0.016	O	|	|	|	|	0.01
72.583	0.00	0.02	0.016	O	|	|	|	|	0.01
72.667	0.00	0.02	0.016	O	|	|	|	|	0.01
72.750	0.00	0.02	0.016	O	|	|	|	|	0.01
72.833	0.00	0.02	0.016	O	|	|	|	|	0.01
72.917	0.00	0.02	0.016	O	|	|	|	|	0.01
73.000	0.00	0.02	0.016	O	|	|	|	|	0.01
73.083	0.00	0.02	0.016	O	|	|	|	|	0.01
73.167	0.00	0.02	0.015	O	|	|	|	|	0.01
73.250	0.00	0.02	0.015	O	|	|	|	|	0.01
73.333	0.00	0.02	0.015	O	|	|	|	|	0.01
73.417	0.00	0.02	0.015	O	|	|	|	|	0.01
73.500	0.00	0.02	0.015	O	|	|	|	|	0.01
73.583	0.00	0.02	0.015	O	|	|	|	|	0.01
73.667	0.00	0.02	0.015	O	|	|	|	|	0.01

73.750	0.00	0.02	0.015	O	|	|	|	|	0.01
73.833	0.00	0.02	0.015	O	|	|	|	|	0.01
73.917	0.00	0.02	0.014	O	|	|	|	|	0.01
74.000	0.00	0.02	0.014	O	|	|	|	|	0.01
74.083	0.00	0.02	0.014	O	|	|	|	|	0.01
74.167	0.00	0.02	0.014	O	|	|	|	|	0.01
74.250	0.00	0.02	0.014	O	|	|	|	|	0.01
74.333	0.00	0.02	0.014	O	|	|	|	|	0.01
74.417	0.00	0.02	0.014	O	|	|	|	|	0.01
74.500	0.00	0.02	0.014	O	|	|	|	|	0.01
74.583	0.00	0.02	0.014	O	|	|	|	|	0.01
74.667	0.00	0.02	0.013	O	|	|	|	|	0.01
74.750	0.00	0.02	0.013	O	|	|	|	|	0.01
74.833	0.00	0.01	0.013	O	|	|	|	|	0.01
74.917	0.00	0.01	0.013	O	|	|	|	|	0.01
75.000	0.00	0.01	0.013	O	|	|	|	|	0.01
75.083	0.00	0.01	0.013	O	|	|	|	|	0.01
75.167	0.00	0.01	0.013	O	|	|	|	|	0.01
75.250	0.00	0.01	0.013	O	|	|	|	|	0.01
75.333	0.00	0.01	0.013	O	|	|	|	|	0.01
75.417	0.00	0.01	0.013	O	|	|	|	|	0.01
75.500	0.00	0.01	0.012	O	|	|	|	|	0.01
75.583	0.00	0.01	0.012	O	|	|	|	|	0.01
75.667	0.00	0.01	0.012	O	|	|	|	|	0.01
75.750	0.00	0.01	0.012	O	|	|	|	|	0.01
75.833	0.00	0.01	0.012	O	|	|	|	|	0.01
75.917	0.00	0.01	0.012	O	|	|	|	|	0.01
76.000	0.00	0.01	0.012	O	|	|	|	|	0.01
76.083	0.00	0.01	0.012	O	|	|	|	|	0.01
76.167	0.00	0.01	0.012	O	|	|	|	|	0.01
76.250	0.00	0.01	0.012	O	|	|	|	|	0.01
76.333	0.00	0.01	0.011	O	|	|	|	|	0.01
76.417	0.00	0.01	0.011	O	|	|	|	|	0.01
76.500	0.00	0.01	0.011	O	|	|	|	|	0.01
76.583	0.00	0.01	0.011	O	|	|	|	|	0.01
76.667	0.00	0.01	0.011	O	|	|	|	|	0.01
76.750	0.00	0.01	0.011	O	|	|	|	|	0.01
76.833	0.00	0.01	0.011	O	|	|	|	|	0.01
76.917	0.00	0.01	0.011	O	|	|	|	|	0.01
77.000	0.00	0.01	0.011	O	|	|	|	|	0.01
77.083	0.00	0.01	0.011	O	|	|	|	|	0.01
77.167	0.00	0.01	0.011	O	|	|	|	|	0.01
77.250	0.00	0.01	0.011	O	|	|	|	|	0.01
77.333	0.00	0.01	0.010	O	|	|	|	|	0.01
77.417	0.00	0.01	0.010	O	|	|	|	|	0.01
77.500	0.00	0.01	0.010	O	|	|	|	|	0.01
77.583	0.00	0.01	0.010	O	|	|	|	|	0.00
77.667	0.00	0.01	0.010	O	|	|	|	|	0.00
77.750	0.00	0.01	0.010	O	|	|	|	|	0.00
77.833	0.00	0.01	0.010	O	|	|	|	|	0.00
77.917	0.00	0.01	0.010	O	|	|	|	|	0.00
78.000	0.00	0.01	0.010	O	|	|	|	|	0.00
78.083	0.00	0.01	0.010	O	|	|	|	|	0.00
78.167	0.00	0.01	0.010	O	|	|	|	|	0.00
78.250	0.00	0.01	0.010	O	|	|	|	|	0.00
78.333	0.00	0.01	0.010	O	|	|	|	|	0.00
78.417	0.00	0.01	0.009	O	|	|	|	|	0.00
78.500	0.00	0.01	0.009	O	|	|	|	|	0.00
78.583	0.00	0.01	0.009	O	|	|	|	|	0.00
78.667	0.00	0.01	0.009	O	|	|	|	|	0.00
78.750	0.00	0.01	0.009	O	|	|	|	|	0.00
78.833	0.00	0.01	0.009	O	|	|	|	|	0.00
78.917	0.00	0.01	0.009	O	|	|	|	|	0.00
79.000	0.00	0.01	0.009	O	|	|	|	|	0.00
79.083	0.00	0.01	0.009	O	|	|	|	|	0.00
79.167	0.00	0.01	0.009	O	|	|	|	|	0.00
79.250	0.00	0.01	0.009	O	|	|	|	|	0.00
79.333	0.00	0.01	0.009	O	|	|	|	|	0.00

79.417	0.00	0.01	0.009	O	|	|	|	|	0.00
79.500	0.00	0.01	0.009	O	|	|	|	|	0.00
79.583	0.00	0.01	0.008	O	|	|	|	|	0.00
79.667	0.00	0.01	0.008	O	|	|	|	|	0.00
79.750	0.00	0.01	0.008	O	|	|	|	|	0.00
79.833	0.00	0.01	0.008	O	|	|	|	|	0.00
79.917	0.00	0.01	0.008	O	|	|	|	|	0.00
80.000	0.00	0.01	0.008	O	|	|	|	|	0.00
80.083	0.00	0.01	0.008	O	|	|	|	|	0.00
80.167	0.00	0.01	0.008	O	|	|	|	|	0.00
80.250	0.00	0.01	0.008	O	|	|	|	|	0.00
80.333	0.00	0.01	0.008	O	|	|	|	|	0.00
80.417	0.00	0.01	0.008	O	|	|	|	|	0.00
80.500	0.00	0.01	0.008	O	|	|	|	|	0.00
80.583	0.00	0.01	0.008	O	|	|	|	|	0.00
80.667	0.00	0.01	0.008	O	|	|	|	|	0.00
80.750	0.00	0.01	0.008	O	|	|	|	|	0.00
80.833	0.00	0.01	0.008	O	|	|	|	|	0.00
80.917	0.00	0.01	0.007	O	|	|	|	|	0.00
81.000	0.00	0.01	0.007	O	|	|	|	|	0.00
81.083	0.00	0.01	0.007	O	|	|	|	|	0.00
81.167	0.00	0.01	0.007	O	|	|	|	|	0.00
81.250	0.00	0.01	0.007	O	|	|	|	|	0.00
81.333	0.00	0.01	0.007	O	|	|	|	|	0.00
81.417	0.00	0.01	0.007	O	|	|	|	|	0.00
81.500	0.00	0.01	0.007	O	|	|	|	|	0.00
81.583	0.00	0.01	0.007	O	|	|	|	|	0.00
81.667	0.00	0.01	0.007	O	|	|	|	|	0.00
81.750	0.00	0.01	0.007	O	|	|	|	|	0.00
81.833	0.00	0.01	0.007	O	|	|	|	|	0.00
81.917	0.00	0.01	0.007	O	|	|	|	|	0.00
82.000	0.00	0.01	0.007	O	|	|	|	|	0.00
82.083	0.00	0.01	0.007	O	|	|	|	|	0.00
82.167	0.00	0.01	0.007	O	|	|	|	|	0.00
82.250	0.00	0.01	0.007	O	|	|	|	|	0.00
82.333	0.00	0.01	0.007	O	|	|	|	|	0.00
82.417	0.00	0.01	0.006	O	|	|	|	|	0.00
82.500	0.00	0.01	0.006	O	|	|	|	|	0.00
82.583	0.00	0.01	0.006	O	|	|	|	|	0.00
82.667	0.00	0.01	0.006	O	|	|	|	|	0.00
82.750	0.00	0.01	0.006	O	|	|	|	|	0.00
82.833	0.00	0.01	0.006	O	|	|	|	|	0.00
82.917	0.00	0.01	0.006	O	|	|	|	|	0.00
83.000	0.00	0.01	0.006	O	|	|	|	|	0.00
83.083	0.00	0.01	0.006	O	|	|	|	|	0.00
83.167	0.00	0.01	0.006	O	|	|	|	|	0.00
83.250	0.00	0.01	0.006	O	|	|	|	|	0.00
83.333	0.00	0.01	0.006	O	|	|	|	|	0.00
83.417	0.00	0.01	0.006	O	|	|	|	|	0.00
83.500	0.00	0.01	0.006	O	|	|	|	|	0.00
83.583	0.00	0.01	0.006	O	|	|	|	|	0.00
83.667	0.00	0.01	0.006	O	|	|	|	|	0.00
83.750	0.00	0.01	0.006	O	|	|	|	|	0.00
83.833	0.00	0.01	0.006	O	|	|	|	|	0.00
83.917	0.00	0.01	0.006	O	|	|	|	|	0.00
84.000	0.00	0.01	0.006	O	|	|	|	|	0.00
84.083	0.00	0.01	0.006	O	|	|	|	|	0.00
84.167	0.00	0.01	0.006	O	|	|	|	|	0.00
84.250	0.00	0.01	0.005	O	|	|	|	|	0.00
84.333	0.00	0.01	0.005	O	|	|	|	|	0.00
84.417	0.00	0.01	0.005	O	|	|	|	|	0.00
84.500	0.00	0.01	0.005	O	|	|	|	|	0.00
84.583	0.00	0.01	0.005	O	|	|	|	|	0.00
84.667	0.00	0.01	0.005	O	|	|	|	|	0.00
84.750	0.00	0.01	0.005	O	|	|	|	|	0.00
84.833	0.00	0.01	0.005	O	|	|	|	|	0.00
84.917	0.00	0.01	0.005	O	|	|	|	|	0.00
85.000	0.00	0.01	0.005	O	|	|	|	|	0.00

85.083	0.00	0.01	0.005	O	|	|	|	|	0.00
85.167	0.00	0.01	0.005	O	|	|	|	|	0.00
85.250	0.00	0.01	0.005	O	|	|	|	|	0.00
85.333	0.00	0.01	0.005	O	|	|	|	|	0.00
85.417	0.00	0.01	0.005	O	|	|	|	|	0.00
85.500	0.00	0.01	0.005	O	|	|	|	|	0.00
85.583	0.00	0.01	0.005	O	|	|	|	|	0.00
85.667	0.00	0.01	0.005	O	|	|	|	|	0.00
85.750	0.00	0.01	0.005	O	|	|	|	|	0.00
85.833	0.00	0.01	0.005	O	|	|	|	|	0.00
85.917	0.00	0.01	0.005	O	|	|	|	|	0.00
86.000	0.00	0.01	0.005	O	|	|	|	|	0.00
86.083	0.00	0.01	0.005	O	|	|	|	|	0.00
86.167	0.00	0.01	0.005	O	|	|	|	|	0.00
86.250	0.00	0.01	0.005	O	|	|	|	|	0.00
86.333	0.00	0.01	0.005	O	|	|	|	|	0.00
86.417	0.00	0.01	0.004	O	|	|	|	|	0.00
86.500	0.00	0.01	0.004	O	|	|	|	|	0.00
86.583	0.00	0.00	0.004	O	|	|	|	|	0.00
86.667	0.00	0.00	0.004	O	|	|	|	|	0.00
86.750	0.00	0.00	0.004	O	|	|	|	|	0.00
86.833	0.00	0.00	0.004	O	|	|	|	|	0.00
86.917	0.00	0.00	0.004	O	|	|	|	|	0.00
87.000	0.00	0.00	0.004	O	|	|	|	|	0.00
87.083	0.00	0.00	0.004	O	|	|	|	|	0.00
87.167	0.00	0.00	0.004	O	|	|	|	|	0.00
87.250	0.00	0.00	0.004	O	|	|	|	|	0.00
87.333	0.00	0.00	0.004	O	|	|	|	|	0.00
87.417	0.00	0.00	0.004	O	|	|	|	|	0.00
87.500	0.00	0.00	0.004	O	|	|	|	|	0.00
87.583	0.00	0.00	0.004	O	|	|	|	|	0.00
87.667	0.00	0.00	0.004	O	|	|	|	|	0.00
87.750	0.00	0.00	0.004	O	|	|	|	|	0.00
87.833	0.00	0.00	0.004	O	|	|	|	|	0.00
87.917	0.00	0.00	0.004	O	|	|	|	|	0.00
88.000	0.00	0.00	0.004	O	|	|	|	|	0.00
88.083	0.00	0.00	0.004	O	|	|	|	|	0.00
88.167	0.00	0.00	0.004	O	|	|	|	|	0.00
88.250	0.00	0.00	0.004	O	|	|	|	|	0.00
88.333	0.00	0.00	0.004	O	|	|	|	|	0.00
88.417	0.00	0.00	0.004	O	|	|	|	|	0.00
88.500	0.00	0.00	0.004	O	|	|	|	|	0.00
88.583	0.00	0.00	0.004	O	|	|	|	|	0.00
88.667	0.00	0.00	0.004	O	|	|	|	|	0.00
88.750	0.00	0.00	0.004	O	|	|	|	|	0.00
88.833	0.00	0.00	0.004	O	|	|	|	|	0.00
88.917	0.00	0.00	0.004	O	|	|	|	|	0.00
89.000	0.00	0.00	0.004	O	|	|	|	|	0.00
89.083	0.00	0.00	0.003	O	|	|	|	|	0.00
89.167	0.00	0.00	0.003	O	|	|	|	|	0.00
89.250	0.00	0.00	0.003	O	|	|	|	|	0.00
89.333	0.00	0.00	0.003	O	|	|	|	|	0.00
89.417	0.00	0.00	0.003	O	|	|	|	|	0.00
89.500	0.00	0.00	0.003	O	|	|	|	|	0.00
89.583	0.00	0.00	0.003	O	|	|	|	|	0.00
89.667	0.00	0.00	0.003	O	|	|	|	|	0.00
89.750	0.00	0.00	0.003	O	|	|	|	|	0.00
89.833	0.00	0.00	0.003	O	|	|	|	|	0.00
89.917	0.00	0.00	0.003	O	|	|	|	|	0.00
90.000	0.00	0.00	0.003	O	|	|	|	|	0.00
90.083	0.00	0.00	0.003	O	|	|	|	|	0.00
90.167	0.00	0.00	0.003	O	|	|	|	|	0.00
90.250	0.00	0.00	0.003	O	|	|	|	|	0.00
90.333	0.00	0.00	0.003	O	|	|	|	|	0.00
90.417	0.00	0.00	0.003	O	|	|	|	|	0.00
90.500	0.00	0.00	0.003	O	|	|	|	|	0.00
90.583	0.00	0.00	0.003	O	|	|	|	|	0.00
90.667	0.00	0.00	0.003	O	|	|	|	|	0.00

90.750	0.00	0.00	0.003	O	|	|	|	|	0.00
90.833	0.00	0.00	0.003	O	|	|	|	|	0.00
90.917	0.00	0.00	0.003	O	|	|	|	|	0.00
91.000	0.00	0.00	0.003	O	|	|	|	|	0.00
91.083	0.00	0.00	0.003	O	|	|	|	|	0.00
91.167	0.00	0.00	0.003	O	|	|	|	|	0.00
91.250	0.00	0.00	0.003	O	|	|	|	|	0.00
91.333	0.00	0.00	0.003	O	|	|	|	|	0.00
91.417	0.00	0.00	0.003	O	|	|	|	|	0.00
91.500	0.00	0.00	0.003	O	|	|	|	|	0.00
91.583	0.00	0.00	0.003	O	|	|	|	|	0.00
91.667	0.00	0.00	0.003	O	|	|	|	|	0.00
91.750	0.00	0.00	0.003	O	|	|	|	|	0.00
91.833	0.00	0.00	0.003	O	|	|	|	|	0.00
91.917	0.00	0.00	0.003	O	|	|	|	|	0.00
92.000	0.00	0.00	0.003	O	|	|	|	|	0.00
92.083	0.00	0.00	0.003	O	|	|	|	|	0.00
92.167	0.00	0.00	0.003	O	|	|	|	|	0.00
92.250	0.00	0.00	0.003	O	|	|	|	|	0.00
92.333	0.00	0.00	0.003	O	|	|	|	|	0.00
92.417	0.00	0.00	0.003	O	|	|	|	|	0.00
92.500	0.00	0.00	0.003	O	|	|	|	|	0.00
92.583	0.00	0.00	0.003	O	|	|	|	|	0.00
92.667	0.00	0.00	0.002	O	|	|	|	|	0.00
92.750	0.00	0.00	0.002	O	|	|	|	|	0.00
92.833	0.00	0.00	0.002	O	|	|	|	|	0.00
92.917	0.00	0.00	0.002	O	|	|	|	|	0.00
93.000	0.00	0.00	0.002	O	|	|	|	|	0.00
93.083	0.00	0.00	0.002	O	|	|	|	|	0.00
93.167	0.00	0.00	0.002	O	|	|	|	|	0.00
93.250	0.00	0.00	0.002	O	|	|	|	|	0.00
93.333	0.00	0.00	0.002	O	|	|	|	|	0.00
93.417	0.00	0.00	0.002	O	|	|	|	|	0.00
93.500	0.00	0.00	0.002	O	|	|	|	|	0.00
93.583	0.00	0.00	0.002	O	|	|	|	|	0.00
93.667	0.00	0.00	0.002	O	|	|	|	|	0.00
93.750	0.00	0.00	0.002	O	|	|	|	|	0.00
93.833	0.00	0.00	0.002	O	|	|	|	|	0.00
93.917	0.00	0.00	0.002	O	|	|	|	|	0.00
94.000	0.00	0.00	0.002	O	|	|	|	|	0.00
94.083	0.00	0.00	0.002	O	|	|	|	|	0.00
94.167	0.00	0.00	0.002	O	|	|	|	|	0.00
94.250	0.00	0.00	0.002	O	|	|	|	|	0.00
94.333	0.00	0.00	0.002	O	|	|	|	|	0.00
94.417	0.00	0.00	0.002	O	|	|	|	|	0.00
94.500	0.00	0.00	0.002	O	|	|	|	|	0.00
94.583	0.00	0.00	0.002	O	|	|	|	|	0.00
94.667	0.00	0.00	0.002	O	|	|	|	|	0.00
94.750	0.00	0.00	0.002	O	|	|	|	|	0.00
94.833	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1138
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 4.649 (CFS)
Total volume = 7.965 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 01/08/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRB310.rte

**********HYDROGRAPH DATA**********

Number of intervals = 47
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 144.775 (CFS)
Total volume = 11.777 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN B- ROUTING
10YR-3HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 47
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	2.050	2.320	2.042	2.058
2.000	4.240	3.490	4.228	4.252
3.000	6.570	4.360	6.555	6.585
4.000	9.040	5.080	9.023	9.057
5.000	11.650	5.710	11.630	11.670
6.000	14.410	127.850	13.970	14.850
7.000	17.320	320.000	16.218	18.422
8.000	20.370	563.910	18.428	22.312
9.000	23.580	930.190	20.377	26.783
10.000	26.950	1399.580	22.131	31.769
11.000	30.500	1945.140	23.802	37.198

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	36.2	72.39	108.58	144.77 (Ft.) Depth

0.083	1.66	0.01	0.006	O	|	|	|	|	0.00
0.167	7.78	0.04	0.038	OI	|	|	|	|	0.02
0.250	10.86	0.12	0.102	O I	|	|	|	|	0.05
0.333	11.74	0.20	0.178	O I	|	|	|	|	0.09
0.417	13.91	0.30	0.265	O I	|	|	|	|	0.13
0.500	15.96	0.41	0.365	O I	|	|	|	|	0.18
0.583	18.48	0.54	0.481	O I	|	|	|	|	0.23
0.667	18.44	0.68	0.604	O I	|	|	|	|	0.29
0.750	20.46	0.83	0.732	O I	|	|	|	|	0.36
0.833	21.15	0.98	0.869	O I	|	|	|	|	0.42
0.917	19.33	1.13	1.001	O I	|	|	|	|	0.49
1.000	19.45	1.28	1.127	O I	|	|	|	|	0.55
1.083	22.47	1.43	1.262	O I	|	|	|	|	0.62
1.167	27.40	1.61	1.423	O I	|	|	|	|	0.69
1.250	29.92	1.82	1.609	O I	|	|	|	|	0.78
1.333	30.46	2.04	1.803	O I	|	|	|	|	0.88
1.417	30.73	2.26	1.999	O I	|	|	|	|	0.98
1.500	36.23	2.41	2.214	O I	|	|	|	|	1.07
1.583	39.50	2.54	2.457	O I	|	|	|	|	1.19
1.667	39.10	2.67	2.710	O I	|	|	|	|	1.30
1.750	43.00	2.81	2.974	O I	|	|	|	|	1.42
1.833	49.97	2.97	3.274	O I	|	|	|	|	1.56
1.917	51.35	3.15	3.602	O I	|	|	|	|	1.71
2.000	50.28	3.32	3.930	O I	|	|	|	|	1.86
2.083	51.07	3.50	4.255	O I	|	|	|	|	2.01
2.167	55.50	3.62	4.598	O I	|	|	|	|	2.15
2.250	69.23	3.77	5.002	O I	|	|	|	|	2.33
2.333	79.38	3.96	5.487	O I	|	|	|	|	2.54
2.417	80.26	4.15	6.009	O I	|	|	|	|	2.76
2.500	109.18	4.38	6.632	O I	|	|	|	|	3.02
2.583	133.02	4.61	7.435	O I	|	|	|	|	3.35
2.667	144.77	4.88	8.359	O I	|	|	|	|	3.72
2.750	121.57	5.13	9.241	O I	|	|	|	|	4.08
2.833	75.63	5.28	9.884	O I	|	|	|	|	4.32
2.917	51.31	5.38	10.285	O I	|	|	|	|	4.48
3.000	39.63	5.45	10.561	O I	|	|	|	|	4.58
3.083	26.39	5.49	10.750	O I	|	|	|	|	4.66
3.167	16.08	5.52	10.859	O I	|	|	|	|	4.70
3.250	10.49	5.53	10.912	O I	|	|	|	|	4.72
3.333	7.10	**5.54**	**10.935**	**O**	**|**	**|**	**|**	**|**	**4.73**
3.417	4.59	5.54	10.937	O	|	|	|	|	4.73
3.500	2.76	5.53	10.924	IO	|	|	|	|	4.72
3.583	1.35	5.53	10.900	IO	|	|	|	|	4.71
3.667	0.58	5.52	10.869	IO	|	|	|	|	4.70
3.750	0.33	5.51	10.834	IO	|	|	|	|	4.69
3.833	0.15	5.50	10.797	IO	|	|	|	|	4.67
3.917	0.03	5.50	10.760	IO	|	|	|	|	4.66
4.000	0.00	5.49	10.722	IO	|	|	|	|	4.64
4.083	0.00	5.48	10.685	IO	|	|	|	|	4.63
4.167	0.00	5.47	10.647	IO	|	|	|	|	4.62
4.250	0.00	5.46	10.609	IO	|	|	|	|	4.60
4.333	0.00	5.45	10.572	IO	|	|	|	|	4.59
4.417	0.00	5.44	10.534	IO	|	|	|	|	4.57
4.500	0.00	5.43	10.497	IO	|	|	|	|	4.56
4.583	0.00	5.42	10.460	IO	|	|	|	|	4.54
4.667	0.00	5.41	10.422	IO	|	|	|	|	4.53
4.750	0.00	5.40	10.385	IO	|	|	|	|	4.52
4.833	0.00	5.40	10.348	IO	|	|	|	|	4.50
4.917	0.00	5.39	10.311	IO	|	|	|	|	4.49
5.000	0.00	5.38	10.274	IO	|	|	|	|	4.47
5.083	0.00	5.37	10.237	IO	|	|	|	|	4.46
5.167	0.00	5.36	10.200	IO	|	|	|	|	4.44
5.250	0.00	5.35	10.163	IO	|	|	|	|	4.43
5.333	0.00	5.34	10.126	IO	|	|	|	|	4.42
5.417	0.00	5.33	10.089	IO	|	|	|	|	4.40
5.500	0.00	5.32	10.052	IO	|	|	|	|	4.39
5.583	0.00	5.32	10.016	IO	|	|	|	|	4.37
5.667	0.00	5.31	9.979	IO	|	|	|	|	4.36

5.750	0.00	5.30	9.943	IO	|	|	|	4.35
5.833	0.00	5.29	9.906	IO	|	|	|	4.33
5.917	0.00	5.28	9.870	IO	|	|	|	4.32
6.000	0.00	5.27	9.834	IO	|	|	|	4.30
6.083	0.00	5.26	9.797	IO	|	|	|	4.29
6.167	0.00	5.25	9.761	IO	|	|	|	4.28
6.250	0.00	5.25	9.725	IO	|	|	|	4.26
6.333	0.00	5.24	9.689	IO	|	|	|	4.25
6.417	0.00	5.23	9.653	IO	|	|	|	4.23
6.500	0.00	5.22	9.617	IO	|	|	|	4.22
6.583	0.00	5.21	9.581	IO	|	|	|	4.21
6.667	0.00	5.20	9.545	IO	|	|	|	4.19
6.750	0.00	5.19	9.509	IO	|	|	|	4.18
6.833	0.00	5.18	9.473	IO	|	|	|	4.17
6.917	0.00	5.18	9.438	IO	|	|	|	4.15
7.000	0.00	5.17	9.402	IO	|	|	|	4.14
7.083	0.00	5.16	9.367	IO	|	|	|	4.13
7.167	0.00	5.15	9.331	IO	|	|	|	4.11
7.250	0.00	5.14	9.296	IO	|	|	|	4.10
7.333	0.00	5.13	9.260	IO	|	|	|	4.08
7.417	0.00	5.12	9.225	IO	|	|	|	4.07
7.500	0.00	5.12	9.190	IO	|	|	|	4.06
7.583	0.00	5.11	9.155	IO	|	|	|	4.04
7.667	0.00	5.10	9.119	IO	|	|	|	4.03
7.750	0.00	5.09	9.084	IO	|	|	|	4.02
7.833	0.00	5.08	9.049	IO	|	|	|	4.00
7.917	0.00	5.07	9.014	IO	|	|	|	3.99
8.000	0.00	5.06	8.979	IO	|	|	|	3.98
8.083	0.00	5.05	8.945	IO	|	|	|	3.96
8.167	0.00	5.04	8.910	IO	|	|	|	3.95
8.250	0.00	5.03	8.875	IO	|	|	|	3.93
8.333	0.00	5.02	8.840	IO	|	|	|	3.92
8.417	0.00	5.01	8.806	IO	|	|	|	3.91
8.500	0.00	5.00	8.771	IO	|	|	|	3.89
8.583	0.00	4.99	8.737	IO	|	|	|	3.88
8.667	0.00	4.98	8.703	IO	|	|	|	3.86
8.750	0.00	4.97	8.668	IO	|	|	|	3.85
8.833	0.00	4.96	8.634	IO	|	|	|	3.84
8.917	0.00	4.95	8.600	IO	|	|	|	3.82
9.000	0.00	4.94	8.566	IO	|	|	|	3.81
9.083	0.00	4.93	8.532	IO	|	|	|	3.79
9.167	0.00	4.92	8.498	IO	|	|	|	3.78
9.250	0.00	4.91	8.464	IO	|	|	|	3.77
9.333	0.00	4.90	8.430	IO	|	|	|	3.75
9.417	0.00	4.89	8.397	IO	|	|	|	3.74
9.500	0.00	4.88	8.363	IO	|	|	|	3.73
9.583	0.00	4.87	8.329	IO	|	|	|	3.71
9.667	0.00	4.86	8.296	IO	|	|	|	3.70
9.750	0.00	4.85	8.262	IO	|	|	|	3.69
9.833	0.00	4.84	8.229	IO	|	|	|	3.67
9.917	0.00	4.83	8.196	IO	|	|	|	3.66
10.000	0.00	4.82	8.162	IO	|	|	|	3.64
10.083	0.00	4.81	8.129	IO	|	|	|	3.63
10.167	0.00	4.80	8.096	IO	|	|	|	3.62
10.250	0.00	4.80	8.063	IO	|	|	|	3.60
10.333	0.00	4.79	8.030	IO	|	|	|	3.59
10.417	0.00	4.78	7.997	IO	|	|	|	3.58
10.500	0.00	4.77	7.964	IO	|	|	|	3.56
10.583	0.00	4.76	7.932	IO	|	|	|	3.55
10.667	0.00	4.75	7.899	IO	|	|	|	3.54
10.750	0.00	4.74	7.866	IO	|	|	|	3.52
10.833	0.00	4.73	7.834	IO	|	|	|	3.51
10.917	0.00	4.72	7.801	IO	|	|	|	3.50
11.000	0.00	4.71	7.769	IO	|	|	|	3.49
11.083	0.00	4.70	7.736	IO	|	|	|	3.47
11.167	0.00	4.69	7.704	IO	|	|	|	3.46
11.250	0.00	4.68	7.672	IO	|	|	|	3.45
11.333	0.00	4.67	7.639	IO	|	|	|	3.43

11.417	0.00	4.66	7.607	IO					3.42
11.500	0.00	4.65	7.575	IO					3.41
11.583	0.00	4.64	7.543	IO					3.39
11.667	0.00	4.63	7.511	IO					3.38
11.750	0.00	4.63	7.479	IO					3.37
11.833	0.00	4.62	7.447	IO					3.36
11.917	0.00	4.61	7.416	IO					3.34
12.000	0.00	4.60	7.384	IO					3.33
12.083	0.00	4.59	7.352	IO					3.32
12.167	0.00	4.58	7.321	IO					3.30
12.250	0.00	4.57	7.289	IO					3.29
12.333	0.00	4.56	7.258	IO					3.28
12.417	0.00	4.55	7.226	IO					3.27
12.500	0.00	4.54	7.195	IO					3.25
12.583	0.00	4.53	7.164	IO					3.24
12.667	0.00	4.52	7.133	O					3.23
12.750	0.00	4.51	7.102	O					3.22
12.833	0.00	4.51	7.071	O					3.20
12.917	0.00	4.50	7.040	O					3.19
13.000	0.00	4.49	7.009	O					3.18
13.083	0.00	4.48	6.978	O					3.17
13.167	0.00	4.47	6.947	O					3.15
13.250	0.00	4.46	6.916	O					3.14
13.333	0.00	4.45	6.885	O					3.13
13.417	0.00	4.44	6.855	O					3.12
13.500	0.00	4.43	6.824	O					3.10
13.583	0.00	4.43	6.794	O					3.09
13.667	0.00	4.42	6.763	O					3.08
13.750	0.00	4.41	6.733	O					3.07
13.833	0.00	4.40	6.703	O					3.05
13.917	0.00	4.39	6.672	O					3.04
14.000	0.00	4.38	6.642	O					3.03
14.083	0.00	4.37	6.612	O					3.02
14.167	0.00	4.36	6.582	O					3.00
14.250	0.00	4.35	6.552	O					2.99
14.333	0.00	4.34	6.522	O					2.98
14.417	0.00	4.33	6.492	O					2.97
14.500	0.00	4.32	6.462	O					2.95
14.583	0.00	4.31	6.433	O					2.94
14.667	0.00	4.30	6.403	O					2.93
14.750	0.00	4.29	6.373	O					2.92
14.833	0.00	4.28	6.344	O					2.90
14.917	0.00	4.26	6.314	O					2.89
15.000	0.00	4.25	6.285	O					2.88
15.083	0.00	4.24	6.256	O					2.87
15.167	0.00	4.23	6.227	O					2.85
15.250	0.00	4.22	6.198	O					2.84
15.333	0.00	4.21	6.169	O					2.83
15.417	0.00	4.20	6.140	O					2.82
15.500	0.00	4.19	6.111	O					2.80
15.583	0.00	4.18	6.082	O					2.79
15.667	0.00	4.17	6.053	O					2.78
15.750	0.00	4.16	6.025	O					2.77
15.833	0.00	4.15	5.996	O					2.75
15.917	0.00	4.14	5.967	O					2.74
16.000	0.00	4.12	5.939	O					2.73
16.083	0.00	4.11	5.911	O					2.72
16.167	0.00	4.10	5.882	O					2.70
16.250	0.00	4.09	5.854	O					2.69
16.333	0.00	4.08	5.826	O					2.68
16.417	0.00	4.07	5.798	O					2.67
16.500	0.00	4.06	5.770	O					2.66
16.583	0.00	4.05	5.742	O					2.64
16.667	0.00	4.04	5.714	O					2.63
16.750	0.00	4.03	5.686	O					2.62
16.833	0.00	4.02	5.659	O					2.61
16.917	0.00	4.01	5.631	O					2.60
17.000	0.00	4.00	5.603	O					2.59

17.083	0.00	3.99	5.576	O	|	|	|	|	2.57
17.167	0.00	3.98	5.548	O	|	|	|	|	2.56
17.250	0.00	3.97	5.521	O	|	|	|	|	2.55
17.333	0.00	3.96	5.494	O	|	|	|	|	2.54
17.417	0.00	3.95	5.467	O	|	|	|	|	2.53
17.500	0.00	3.94	5.439	O	|	|	|	|	2.51
17.583	0.00	3.93	5.412	O	|	|	|	|	2.50
17.667	0.00	3.92	5.385	O	|	|	|	|	2.49
17.750	0.00	3.91	5.358	O	|	|	|	|	2.48
17.833	0.00	3.90	5.331	O	|	|	|	|	2.47
17.917	0.00	3.89	5.305	O	|	|	|	|	2.46
18.000	0.00	3.88	5.278	O	|	|	|	|	2.45
18.083	0.00	3.87	5.251	O	|	|	|	|	2.43
18.167	0.00	3.86	5.225	O	|	|	|	|	2.42
18.250	0.00	3.85	5.198	O	|	|	|	|	2.41
18.333	0.00	3.84	5.172	O	|	|	|	|	2.40
18.417	0.00	3.83	5.145	O	|	|	|	|	2.39
18.500	0.00	3.82	5.119	O	|	|	|	|	2.38
18.583	0.00	3.81	5.093	O	|	|	|	|	2.37
18.667	0.00	3.80	5.066	O	|	|	|	|	2.35
18.750	0.00	3.79	5.040	O	|	|	|	|	2.34
18.833	0.00	3.78	5.014	O	|	|	|	|	2.33
18.917	0.00	3.77	4.988	O	|	|	|	|	2.32
19.000	0.00	3.76	4.962	O	|	|	|	|	2.31
19.083	0.00	3.75	4.936	O	|	|	|	|	2.30
19.167	0.00	3.74	4.911	O	|	|	|	|	2.29
19.250	0.00	3.73	4.885	O	|	|	|	|	2.28
19.333	0.00	3.72	4.859	O	|	|	|	|	2.27
19.417	0.00	3.71	4.834	O	|	|	|	|	2.25
19.500	0.00	3.70	4.808	O	|	|	|	|	2.24
19.583	0.00	3.69	4.783	O	|	|	|	|	2.23
19.667	0.00	3.68	4.757	O	|	|	|	|	2.22
19.750	0.00	3.67	4.732	O	|	|	|	|	2.21
19.833	0.00	3.66	4.707	O	|	|	|	|	2.20
19.917	0.00	3.65	4.681	O	|	|	|	|	2.19
20.000	0.00	3.65	4.656	O	|	|	|	|	2.18
20.083	0.00	3.64	4.631	O	|	|	|	|	2.17
20.167	0.00	3.63	4.606	O	|	|	|	|	2.16
20.250	0.00	3.62	4.581	O	|	|	|	|	2.15
20.333	0.00	3.61	4.556	O	|	|	|	|	2.14
20.417	0.00	3.60	4.532	O	|	|	|	|	2.13
20.500	0.00	3.59	4.507	O	|	|	|	|	2.11
20.583	0.00	3.58	4.482	O	|	|	|	|	2.10
20.667	0.00	3.57	4.458	O	|	|	|	|	2.09
20.750	0.00	3.56	4.433	O	|	|	|	|	2.08
20.833	0.00	3.55	4.408	O	|	|	|	|	2.07
20.917	0.00	3.54	4.384	O	|	|	|	|	2.06
21.000	0.00	3.53	4.360	O	|	|	|	|	2.05
21.083	0.00	3.53	4.335	O	|	|	|	|	2.04
21.167	0.00	3.52	4.311	O	|	|	|	|	2.03
21.250	0.00	3.51	4.287	O	|	|	|	|	2.02
21.333	0.00	3.50	4.263	O	|	|	|	|	2.01
21.417	0.00	3.49	4.239	O	|	|	|	|	2.00
21.500	0.00	3.48	4.215	O	|	|	|	|	1.99
21.583	0.00	3.46	4.191	O	|	|	|	|	1.98
21.667	0.00	3.45	4.167	O	|	|	|	|	1.97
21.750	0.00	3.44	4.143	O	|	|	|	|	1.96
21.833	0.00	3.43	4.120	O	|	|	|	|	1.95
21.917	0.00	3.41	4.096	O	|	|	|	|	1.93
22.000	0.00	3.40	4.073	O	|	|	|	|	1.92
22.083	0.00	3.39	4.049	O	|	|	|	|	1.91
22.167	0.00	3.38	4.026	O	|	|	|	|	1.90
22.250	0.00	3.36	4.003	O	|	|	|	|	1.89
22.333	0.00	3.35	3.980	O	|	|	|	|	1.88
22.417	0.00	3.34	3.957	O	|	|	|	|	1.87
22.500	0.00	3.33	3.934	O	|	|	|	|	1.86
22.583	0.00	3.31	3.911	O	|	|	|	|	1.85
22.667	0.00	3.30	3.888	O	|	|	|	|	1.84

22.750	0.00	3.29	3.865	O					1.83
22.833	0.00	3.28	3.843	O					1.82
22.917	0.00	3.27	3.820	O					1.81
23.000	0.00	3.25	3.798	O					1.80
23.083	0.00	3.24	3.775	O					1.79
23.167	0.00	3.23	3.753	O					1.78
23.250	0.00	3.22	3.731	O					1.77
23.333	0.00	3.21	3.709	O					1.76
23.417	0.00	3.19	3.687	O					1.75
23.500	0.00	3.18	3.665	O					1.74
23.583	0.00	3.17	3.643	O					1.73
23.667	0.00	3.16	3.621	O					1.72
23.750	0.00	3.15	3.599	O					1.71
23.833	0.00	3.14	3.578	O					1.70
23.917	0.00	3.12	3.556	O					1.69
24.000	0.00	3.11	3.535	O					1.68
24.083	0.00	3.10	3.513	O					1.67
24.167	0.00	3.09	3.492	O					1.66
24.250	0.00	3.08	3.471	O					1.65
24.333	0.00	3.07	3.450	O					1.64
24.417	0.00	3.06	3.428	O					1.63
24.500	0.00	3.05	3.407	O					1.62
24.583	0.00	3.03	3.387	O					1.61
24.667	0.00	3.02	3.366	O					1.60
24.750	0.00	3.01	3.345	O					1.59
24.833	0.00	3.00	3.324	O					1.58
24.917	0.00	2.99	3.304	O					1.57
25.000	0.00	2.98	3.283	O					1.56
25.083	0.00	2.97	3.263	O					1.55
25.167	0.00	2.96	3.242	O					1.54
25.250	0.00	2.95	3.222	O					1.54
25.333	0.00	2.94	3.202	O					1.53
25.417	0.00	2.92	3.181	O					1.52
25.500	0.00	2.91	3.161	O					1.51
25.583	0.00	2.90	3.141	O					1.50
25.667	0.00	2.89	3.121	O					1.49
25.750	0.00	2.88	3.101	O					1.48
25.833	0.00	2.87	3.082	O					1.47
25.917	0.00	2.86	3.062	O					1.46
26.000	0.00	2.85	3.042	O					1.45
26.083	0.00	2.84	3.023	O					1.44
26.167	0.00	2.83	3.003	O					1.44
26.250	0.00	2.82	2.984	O					1.43
26.333	0.00	2.81	2.964	O					1.42
26.417	0.00	2.80	2.945	O					1.41
26.500	0.00	2.79	2.926	O					1.40
26.583	0.00	2.78	2.907	O					1.39
26.667	0.00	2.77	2.887	O					1.38
26.750	0.00	2.76	2.868	O					1.37
26.833	0.00	2.75	2.849	O					1.37
26.917	0.00	2.74	2.831	O					1.36
27.000	0.00	2.73	2.812	O					1.35
27.083	0.00	2.72	2.793	O					1.34
27.167	0.00	2.71	2.774	O					1.33
27.250	0.00	2.70	2.756	O					1.32
27.333	0.00	2.69	2.737	O					1.31
27.417	0.00	2.68	2.719	O					1.31
27.500	0.00	2.67	2.700	O					1.30
27.583	0.00	2.66	2.682	O					1.29
27.667	0.00	2.65	2.664	O					1.28
27.750	0.00	2.64	2.645	O					1.27
27.833	0.00	2.63	2.627	O					1.26
27.917	0.00	2.62	2.609	O					1.26
28.000	0.00	2.61	2.591	O					1.25
28.083	0.00	2.60	2.573	O					1.24
28.167	0.00	2.59	2.555	O					1.23
28.250	0.00	2.58	2.538	O					1.22
28.333	0.00	2.57	2.520	O					1.21

28.417	0.00	2.56	2.502	O	|	|	|	|	1.21
28.500	0.00	2.55	2.485	O	|	|	|	|	1.20
28.583	0.00	2.54	2.467	O	|	|	|	|	1.19
28.667	0.00	2.53	2.450	O	|	|	|	|	1.18
28.750	0.00	2.52	2.432	O	|	|	|	|	1.17
28.833	0.00	2.51	2.415	O	|	|	|	|	1.17
28.917	0.00	2.51	2.398	O	|	|	|	|	1.16
29.000	0.00	2.50	2.380	O	|	|	|	|	1.15
29.083	0.00	2.49	2.363	O	|	|	|	|	1.14
29.167	0.00	2.48	2.346	O	|	|	|	|	1.14
29.250	0.00	2.47	2.329	O	|	|	|	|	1.13
29.333	0.00	2.46	2.312	O	|	|	|	|	1.12
29.417	0.00	2.45	2.295	O	|	|	|	|	1.11
29.500	0.00	2.44	2.278	O	|	|	|	|	1.10
29.583	0.00	2.43	2.262	O	|	|	|	|	1.10
29.667	0.00	2.42	2.245	O	|	|	|	|	1.09
29.750	0.00	2.42	2.228	O	|	|	|	|	1.08
29.833	0.00	2.41	2.212	O	|	|	|	|	1.07
29.917	0.00	2.40	2.195	O	|	|	|	|	1.07
30.000	0.00	2.39	2.179	O	|	|	|	|	1.06
30.083	0.00	2.38	2.162	O	|	|	|	|	1.05
30.167	0.00	2.37	2.146	O	|	|	|	|	1.04
30.250	0.00	2.36	2.129	O	|	|	|	|	1.04
30.333	0.00	2.35	2.113	O	|	|	|	|	1.03
30.417	0.00	2.35	2.097	O	|	|	|	|	1.02
30.500	0.00	2.34	2.081	O	|	|	|	|	1.01
30.583	0.00	2.33	2.065	O	|	|	|	|	1.01
30.667	0.00	2.32	2.049	O	|	|	|	|	1.00
30.750	0.00	2.30	2.033	O	|	|	|	|	0.99
30.833	0.00	2.28	2.017	O	|	|	|	|	0.98
30.917	0.00	2.27	2.001	O	|	|	|	|	0.98
31.000	0.00	2.25	1.986	O	|	|	|	|	0.97
31.083	0.00	2.23	1.971	O	|	|	|	|	0.96
31.167	0.00	2.21	1.955	O	|	|	|	|	0.95
31.250	0.00	2.20	1.940	O	|	|	|	|	0.95
31.333	0.00	2.18	1.925	O	|	|	|	|	0.94
31.417	0.00	2.16	1.910	O	|	|	|	|	0.93
31.500	0.00	2.14	1.895	O	|	|	|	|	0.92
31.583	0.00	2.13	1.880	O	|	|	|	|	0.92
31.667	0.00	2.11	1.866	O	|	|	|	|	0.91
31.750	0.00	2.10	1.851	O	|	|	|	|	0.90
31.833	0.00	2.08	1.837	O	|	|	|	|	0.90
31.917	0.00	2.06	1.823	O	|	|	|	|	0.89
32.000	0.00	2.05	1.809	O	|	|	|	|	0.88
32.083	0.00	2.03	1.795	O	|	|	|	|	0.88
32.167	0.00	2.02	1.781	O	|	|	|	|	0.87
32.250	0.00	2.00	1.767	O	|	|	|	|	0.86
32.333	0.00	1.98	1.753	O	|	|	|	|	0.86
32.417	0.00	1.97	1.739	O	|	|	|	|	0.85
32.500	0.00	1.95	1.726	O	|	|	|	|	0.84
32.583	0.00	1.94	1.713	O	|	|	|	|	0.84
32.667	0.00	1.92	1.699	O	|	|	|	|	0.83
32.750	0.00	1.91	1.686	O	|	|	|	|	0.82
32.833	0.00	1.89	1.673	O	|	|	|	|	0.82
32.917	0.00	1.88	1.660	O	|	|	|	|	0.81
33.000	0.00	1.86	1.647	O	|	|	|	|	0.80
33.083	0.00	1.85	1.634	O	|	|	|	|	0.80
33.167	0.00	1.84	1.622	O	|	|	|	|	0.79
33.250	0.00	1.82	1.609	O	|	|	|	|	0.78
33.333	0.00	1.81	1.597	O	|	|	|	|	0.78
33.417	0.00	1.79	1.584	O	|	|	|	|	0.77
33.500	0.00	1.78	1.572	O	|	|	|	|	0.77
33.583	0.00	1.77	1.560	O	|	|	|	|	0.76
33.667	0.00	1.75	1.548	O	|	|	|	|	0.75
33.750	0.00	1.74	1.536	O	|	|	|	|	0.75
33.833	0.00	1.72	1.524	O	|	|	|	|	0.74
33.917	0.00	1.71	1.512	O	|	|	|	|	0.74
34.000	0.00	1.70	1.500	O	|	|	|	|	0.73

34.083	0.00	1.68	1.488	O	|	|	|	|	0.73
34.167	0.00	1.67	1.477	O	|	|	|	|	0.72
34.250	0.00	1.66	1.465	O	|	|	|	|	0.71
34.333	0.00	1.65	1.454	O	|	|	|	|	0.71
34.417	0.00	1.63	1.443	O	|	|	|	|	0.70
34.500	0.00	1.62	1.432	O	|	|	|	|	0.70
34.583	0.00	1.61	1.420	O	|	|	|	|	0.69
34.667	0.00	1.59	1.409	O	|	|	|	|	0.69
34.750	0.00	1.58	1.398	O	|	|	|	|	0.68
34.833	0.00	1.57	1.388	O	|	|	|	|	0.68
34.917	0.00	1.56	1.377	O	|	|	|	|	0.67
35.000	0.00	1.55	1.366	O	|	|	|	|	0.67
35.083	0.00	1.53	1.356	O	|	|	|	|	0.66
35.167	0.00	1.52	1.345	O	|	|	|	|	0.66
35.250	0.00	1.51	1.335	O	|	|	|	|	0.65
35.333	0.00	1.50	1.324	O	|	|	|	|	0.65
35.417	0.00	1.49	1.314	O	|	|	|	|	0.64
35.500	0.00	1.48	1.304	O	|	|	|	|	0.64
35.583	0.00	1.46	1.294	O	|	|	|	|	0.63
35.667	0.00	1.45	1.284	O	|	|	|	|	0.63
35.750	0.00	1.44	1.274	O	|	|	|	|	0.62
35.833	0.00	1.43	1.264	O	|	|	|	|	0.62
35.917	0.00	1.42	1.254	O	|	|	|	|	0.61
36.000	0.00	1.41	1.244	O	|	|	|	|	0.61
36.083	0.00	1.40	1.234	O	|	|	|	|	0.60
36.167	0.00	1.39	1.225	O	|	|	|	|	0.60
36.250	0.00	1.38	1.215	O	|	|	|	|	0.59
36.333	0.00	1.36	1.206	O	|	|	|	|	0.59
36.417	0.00	1.35	1.197	O	|	|	|	|	0.58
36.500	0.00	1.34	1.187	O	|	|	|	|	0.58
36.583	0.00	1.33	1.178	O	|	|	|	|	0.57
36.667	0.00	1.32	1.169	O	|	|	|	|	0.57
36.750	0.00	1.31	1.160	O	|	|	|	|	0.57
36.833	0.00	1.30	1.151	O	|	|	|	|	0.56
36.917	0.00	1.29	1.142	O	|	|	|	|	0.56
37.000	0.00	1.28	1.133	O	|	|	|	|	0.55
37.083	0.00	1.27	1.124	O	|	|	|	|	0.55
37.167	0.00	1.26	1.116	O	|	|	|	|	0.54
37.250	0.00	1.25	1.107	O	|	|	|	|	0.54
37.333	0.00	1.24	1.098	O	|	|	|	|	0.54
37.417	0.00	1.23	1.090	O	|	|	|	|	0.53
37.500	0.00	1.22	1.081	O	|	|	|	|	0.53
37.583	0.00	1.21	1.073	O	|	|	|	|	0.52
37.667	0.00	1.20	1.065	O	|	|	|	|	0.52
37.750	0.00	1.20	1.056	O	|	|	|	|	0.52
37.833	0.00	1.19	1.048	O	|	|	|	|	0.51
37.917	0.00	1.18	1.040	O	|	|	|	|	0.51
38.000	0.00	1.17	1.032	O	|	|	|	|	0.50
38.083	0.00	1.16	1.024	O	|	|	|	|	0.50
38.167	0.00	1.15	1.016	O	|	|	|	|	0.50
38.250	0.00	1.14	1.008	O	|	|	|	|	0.49
38.333	0.00	1.13	1.000	O	|	|	|	|	0.49
38.417	0.00	1.12	0.992	O	|	|	|	|	0.48
38.500	0.00	1.11	0.985	O	|	|	|	|	0.48
38.583	0.00	1.11	0.977	O	|	|	|	|	0.48
38.667	0.00	1.10	0.969	O	|	|	|	|	0.47
38.750	0.00	1.09	0.962	O	|	|	|	|	0.47
38.833	0.00	1.08	0.955	O	|	|	|	|	0.47
38.917	0.00	1.07	0.947	O	|	|	|	|	0.46
39.000	0.00	1.06	0.940	O	|	|	|	|	0.46
39.083	0.00	1.06	0.932	O	|	|	|	|	0.45
39.167	0.00	1.05	0.925	O	|	|	|	|	0.45
39.250	0.00	1.04	0.918	O	|	|	|	|	0.45
39.333	0.00	1.03	0.911	O	|	|	|	|	0.44
39.417	0.00	1.02	0.904	O	|	|	|	|	0.44
39.500	0.00	1.01	0.897	O	|	|	|	|	0.44
39.583	0.00	1.01	0.890	O	|	|	|	|	0.43
39.667	0.00	1.00	0.883	O	|	|	|	|	0.43

39.750	0.00	0.99	0.876	O	|	|	|	|	0.43
39.833	0.00	0.98	0.869	O	|	|	|	|	0.42
39.917	0.00	0.98	0.863	O	|	|	|	|	0.42
40.000	0.00	0.97	0.856	O	|	|	|	|	0.42
40.083	0.00	0.96	0.849	O	|	|	|	|	0.41
40.167	0.00	0.95	0.843	O	|	|	|	|	0.41
40.250	0.00	0.95	0.836	O	|	|	|	|	0.41
40.333	0.00	0.94	0.830	O	|	|	|	|	0.40
40.417	0.00	0.93	0.823	O	|	|	|	|	0.40
40.500	0.00	0.92	0.817	O	|	|	|	|	0.40
40.583	0.00	0.92	0.810	O	|	|	|	|	0.40
40.667	0.00	0.91	0.804	O	|	|	|	|	0.39
40.750	0.00	0.90	0.798	O	|	|	|	|	0.39
40.833	0.00	0.90	0.792	O	|	|	|	|	0.39
40.917	0.00	0.89	0.786	O	|	|	|	|	0.38
41.000	0.00	0.88	0.779	O	|	|	|	|	0.38
41.083	0.00	0.88	0.773	O	|	|	|	|	0.38
41.167	0.00	0.87	0.767	O	|	|	|	|	0.37
41.250	0.00	0.86	0.761	O	|	|	|	|	0.37
41.333	0.00	0.85	0.755	O	|	|	|	|	0.37
41.417	0.00	0.85	0.750	O	|	|	|	|	0.37
41.500	0.00	0.84	0.744	O	|	|	|	|	0.36
41.583	0.00	0.84	0.738	O	|	|	|	|	0.36
41.667	0.00	0.83	0.732	O	|	|	|	|	0.36
41.750	0.00	0.82	0.727	O	|	|	|	|	0.35
41.833	0.00	0.82	0.721	O	|	|	|	|	0.35
41.917	0.00	0.81	0.715	O	|	|	|	|	0.35
42.000	0.00	0.80	0.710	O	|	|	|	|	0.35
42.083	0.00	0.80	0.704	O	|	|	|	|	0.34
42.167	0.00	0.79	0.699	O	|	|	|	|	0.34
42.250	0.00	0.78	0.693	O	|	|	|	|	0.34
42.333	0.00	0.78	0.688	O	|	|	|	|	0.34
42.417	0.00	0.77	0.683	O	|	|	|	|	0.33
42.500	0.00	0.77	0.677	O	|	|	|	|	0.33
42.583	0.00	0.76	0.672	O	|	|	|	|	0.33
42.667	0.00	0.75	0.667	O	|	|	|	|	0.33
42.750	0.00	0.75	0.662	O	|	|	|	|	0.32
42.833	0.00	0.74	0.657	O	|	|	|	|	0.32
42.917	0.00	0.74	0.651	O	|	|	|	|	0.32
43.000	0.00	0.73	0.646	O	|	|	|	|	0.32
43.083	0.00	0.73	0.641	O	|	|	|	|	0.31
43.167	0.00	0.72	0.636	O	|	|	|	|	0.31
43.250	0.00	0.71	0.632	O	|	|	|	|	0.31
43.333	0.00	0.71	0.627	O	|	|	|	|	0.31
43.417	0.00	0.70	0.622	O	|	|	|	|	0.30
43.500	0.00	0.70	0.617	O	|	|	|	|	0.30
43.583	0.00	0.69	0.612	O	|	|	|	|	0.30
43.667	0.00	0.69	0.607	O	|	|	|	|	0.30
43.750	0.00	0.68	0.603	O	|	|	|	|	0.29
43.833	0.00	0.68	0.598	O	|	|	|	|	0.29
43.917	0.00	0.67	0.593	O	|	|	|	|	0.29
44.000	0.00	0.67	0.589	O	|	|	|	|	0.29
44.083	0.00	0.66	0.584	O	|	|	|	|	0.28
44.167	0.00	0.66	0.580	O	|	|	|	|	0.28
44.250	0.00	0.65	0.575	O	|	|	|	|	0.28
44.333	0.00	0.65	0.571	O	|	|	|	|	0.28
44.417	0.00	0.64	0.566	O	|	|	|	|	0.28
44.500	0.00	0.64	0.562	O	|	|	|	|	0.27
44.583	0.00	0.63	0.557	O	|	|	|	|	0.27
44.667	0.00	0.63	0.553	O	|	|	|	|	0.27
44.750	0.00	0.62	0.549	O	|	|	|	|	0.27
44.833	0.00	0.62	0.545	O	|	|	|	|	0.27
44.917	0.00	0.61	0.540	O	|	|	|	|	0.26
45.000	0.00	0.61	0.536	O	|	|	|	|	0.26
45.083	0.00	0.60	0.532	O	|	|	|	|	0.26
45.167	0.00	0.60	0.528	O	|	|	|	|	0.26
45.250	0.00	0.59	0.524	O	|	|	|	|	0.26
45.333	0.00	0.59	0.520	O	|	|	|	|	0.25

45.417	0.00	0.58	0.516	O	|	|	|	0.25
45.500	0.00	0.58	0.512	O	|	|	|	0.25
45.583	0.00	0.57	0.508	O	|	|	|	0.25
45.667	0.00	0.57	0.504	O	|	|	|	0.25
45.750	0.00	0.57	0.500	O	|	|	|	0.24
45.833	0.00	0.56	0.496	O	|	|	|	0.24
45.917	0.00	0.56	0.492	O	|	|	|	0.24
46.000	0.00	0.55	0.488	O	|	|	|	0.24
46.083	0.00	0.55	0.484	O	|	|	|	0.24
46.167	0.00	0.54	0.481	O	|	|	|	0.23
46.250	0.00	0.54	0.477	O	|	|	|	0.23
46.333	0.00	0.54	0.473	O	|	|	|	0.23
46.417	0.00	0.53	0.470	O	|	|	|	0.23
46.500	0.00	0.53	0.466	O	|	|	|	0.23
46.583	0.00	0.52	0.462	O	|	|	|	0.23
46.667	0.00	0.52	0.459	O	|	|	|	0.22
46.750	0.00	0.52	0.455	O	|	|	|	0.22
46.833	0.00	0.51	0.452	O	|	|	|	0.22
46.917	0.00	0.51	0.448	O	|	|	|	0.22
47.000	0.00	0.50	0.445	O	|	|	|	0.22
47.083	0.00	0.50	0.441	O	|	|	|	0.22
47.167	0.00	0.50	0.438	O	|	|	|	0.21
47.250	0.00	0.49	0.434	O	|	|	|	0.21
47.333	0.00	0.49	0.431	O	|	|	|	0.21
47.417	0.00	0.48	0.428	O	|	|	|	0.21
47.500	0.00	0.48	0.424	O	|	|	|	0.21
47.583	0.00	0.48	0.421	O	|	|	|	0.21
47.667	0.00	0.47	0.418	O	|	|	|	0.20
47.750	0.00	0.47	0.415	O	|	|	|	0.20
47.833	0.00	0.47	0.411	O	|	|	|	0.20
47.917	0.00	0.46	0.408	O	|	|	|	0.20
48.000	0.00	0.46	0.405	O	|	|	|	0.20
48.083	0.00	0.45	0.402	O	|	|	|	0.20
48.167	0.00	0.45	0.399	O	|	|	|	0.19
48.250	0.00	0.45	0.396	O	|	|	|	0.19
48.333	0.00	0.44	0.393	O	|	|	|	0.19
48.417	0.00	0.44	0.389	O	|	|	|	0.19
48.500	0.00	0.44	0.386	O	|	|	|	0.19
48.583	0.00	0.43	0.383	O	|	|	|	0.19
48.667	0.00	0.43	0.380	O	|	|	|	0.19
48.750	0.00	0.43	0.378	O	|	|	|	0.18
48.833	0.00	0.42	0.375	O	|	|	|	0.18
48.917	0.00	0.42	0.372	O	|	|	|	0.18
49.000	0.00	0.42	0.369	O	|	|	|	0.18
49.083	0.00	0.41	0.366	O	|	|	|	0.18
49.167	0.00	0.41	0.363	O	|	|	|	0.18
49.250	0.00	0.41	0.360	O	|	|	|	0.18
49.333	0.00	0.40	0.357	O	|	|	|	0.17
49.417	0.00	0.40	0.355	O	|	|	|	0.17
49.500	0.00	0.40	0.352	O	|	|	|	0.17
49.583	0.00	0.40	0.349	O	|	|	|	0.17
49.667	0.00	0.39	0.347	O	|	|	|	0.17
49.750	0.00	0.39	0.344	O	|	|	|	0.17
49.833	0.00	0.39	0.341	O	|	|	|	0.17
49.917	0.00	0.38	0.339	O	|	|	|	0.17
50.000	0.00	0.38	0.336	O	|	|	|	0.16
50.083	0.00	0.38	0.333	O	|	|	|	0.16
50.167	0.00	0.37	0.331	O	|	|	|	0.16
50.250	0.00	0.37	0.328	O	|	|	|	0.16
50.333	0.00	0.37	0.326	O	|	|	|	0.16
50.417	0.00	0.37	0.323	O	|	|	|	0.16
50.500	0.00	0.36	0.321	O	|	|	|	0.16
50.583	0.00	0.36	0.318	O	|	|	|	0.16
50.667	0.00	0.36	0.316	O	|	|	|	0.15
50.750	0.00	0.35	0.313	O	|	|	|	0.15
50.833	0.00	0.35	0.311	O	|	|	|	0.15
50.917	0.00	0.35	0.308	O	|	|	|	0.15
51.000	0.00	0.35	0.306	O	|	|	|	0.15

51.083	0.00	0.34	0.304	O					0.15
51.167	0.00	0.34	0.301	O					0.15
51.250	0.00	0.34	0.299	O					0.15
51.333	0.00	0.34	0.297	O					0.14
51.417	0.00	0.33	0.294	O					0.14
51.500	0.00	0.33	0.292	O					0.14
51.583	0.00	0.33	0.290	O					0.14
51.667	0.00	0.33	0.287	O					0.14
51.750	0.00	0.32	0.285	O					0.14
51.833	0.00	0.32	0.283	O					0.14
51.917	0.00	0.32	0.281	O					0.14
52.000	0.00	0.32	0.279	O					0.14
52.083	0.00	0.31	0.276	O					0.13
52.167	0.00	0.31	0.274	O					0.13
52.250	0.00	0.31	0.272	O					0.13
52.333	0.00	0.31	0.270	O					0.13
52.417	0.00	0.30	0.268	O					0.13
52.500	0.00	0.30	0.266	O					0.13
52.583	0.00	0.30	0.264	O					0.13
52.667	0.00	0.30	0.262	O					0.13
52.750	0.00	0.29	0.260	O					0.13
52.833	0.00	0.29	0.258	O					0.13
52.917	0.00	0.29	0.256	O					0.12
53.000	0.00	0.29	0.254	O					0.12
53.083	0.00	0.28	0.252	O					0.12
53.167	0.00	0.28	0.250	O					0.12
53.250	0.00	0.28	0.248	O					0.12
53.333	0.00	0.28	0.246	O					0.12
53.417	0.00	0.28	0.244	O					0.12
53.500	0.00	0.27	0.242	O					0.12
53.583	0.00	0.27	0.240	O					0.12
53.667	0.00	0.27	0.238	O					0.12
53.750	0.00	0.27	0.237	O					0.12
53.833	0.00	0.27	0.235	O					0.11
53.917	0.00	0.26	0.233	O					0.11
54.000	0.00	0.26	0.231	O					0.11
54.083	0.00	0.26	0.229	O					0.11
54.167	0.00	0.26	0.227	O					0.11
54.250	0.00	0.26	0.226	O					0.11
54.333	0.00	0.25	0.224	O					0.11
54.417	0.00	0.25	0.222	O					0.11
54.500	0.00	0.25	0.220	O					0.11
54.583	0.00	0.25	0.219	O					0.11
54.667	0.00	0.25	0.217	O					0.11
54.750	0.00	0.24	0.215	O					0.11
54.833	0.00	0.24	0.214	O					0.10
54.917	0.00	0.24	0.212	O					0.10
55.000	0.00	0.24	0.210	O					0.10
55.083	0.00	0.24	0.209	O					0.10
55.167	0.00	0.23	0.207	O					0.10
55.250	0.00	0.23	0.206	O					0.10
55.333	0.00	0.23	0.204	O					0.10
55.417	0.00	0.23	0.202	O					0.10
55.500	0.00	0.23	0.201	O					0.10
55.583	0.00	0.23	0.199	O					0.10
55.667	0.00	0.22	0.198	O					0.10
55.750	0.00	0.22	0.196	O					0.10
55.833	0.00	0.22	0.195	O					0.09
55.917	0.00	0.22	0.193	O					0.09
56.000	0.00	0.22	0.192	O					0.09
56.083	0.00	0.22	0.190	O					0.09
56.167	0.00	0.21	0.189	O					0.09
56.250	0.00	0.21	0.187	O					0.09
56.333	0.00	0.21	0.186	O					0.09
56.417	0.00	0.21	0.184	O					0.09
56.500	0.00	0.21	0.183	O					0.09
56.583	0.00	0.21	0.181	O					0.09
56.667	0.00	0.20	0.180	O					0.09

56.750	0.00	0.20	0.179	O	|	|	|	|	0.09
56.833	0.00	0.20	0.177	O	|	|	|	|	0.09
56.917	0.00	0.20	0.176	O	|	|	|	|	0.09
57.000	0.00	0.20	0.175	O	|	|	|	|	0.09
57.083	0.00	0.20	0.173	O	|	|	|	|	0.08
57.167	0.00	0.19	0.172	O	|	|	|	|	0.08
57.250	0.00	0.19	0.170	O	|	|	|	|	0.08
57.333	0.00	0.19	0.169	O	|	|	|	|	0.08
57.417	0.00	0.19	0.168	O	|	|	|	|	0.08
57.500	0.00	0.19	0.167	O	|	|	|	|	0.08
57.583	0.00	0.19	0.165	O	|	|	|	|	0.08
57.667	0.00	0.19	0.164	O	|	|	|	|	0.08
57.750	0.00	0.18	0.163	O	|	|	|	|	0.08
57.833	0.00	0.18	0.161	O	|	|	|	|	0.08
57.917	0.00	0.18	0.160	O	|	|	|	|	0.08
58.000	0.00	0.18	0.159	O	|	|	|	|	0.08
58.083	0.00	0.18	0.158	O	|	|	|	|	0.08
58.167	0.00	0.18	0.156	O	|	|	|	|	0.08
58.250	0.00	0.18	0.155	O	|	|	|	|	0.08
58.333	0.00	0.17	0.154	O	|	|	|	|	0.08
58.417	0.00	0.17	0.153	O	|	|	|	|	0.07
58.500	0.00	0.17	0.152	O	|	|	|	|	0.07
58.583	0.00	0.17	0.151	O	|	|	|	|	0.07
58.667	0.00	0.17	0.149	O	|	|	|	|	0.07
58.750	0.00	0.17	0.148	O	|	|	|	|	0.07
58.833	0.00	0.17	0.147	O	|	|	|	|	0.07
58.917	0.00	0.17	0.146	O	|	|	|	|	0.07
59.000	0.00	0.16	0.145	O	|	|	|	|	0.07
59.083	0.00	0.16	0.144	O	|	|	|	|	0.07
59.167	0.00	0.16	0.143	O	|	|	|	|	0.07
59.250	0.00	0.16	0.141	O	|	|	|	|	0.07
59.333	0.00	0.16	0.140	O	|	|	|	|	0.07
59.417	0.00	0.16	0.139	O	|	|	|	|	0.07
59.500	0.00	0.16	0.138	O	|	|	|	|	0.07
59.583	0.00	0.16	0.137	O	|	|	|	|	0.07
59.667	0.00	0.15	0.136	O	|	|	|	|	0.07
59.750	0.00	0.15	0.135	O	|	|	|	|	0.07
59.833	0.00	0.15	0.134	O	|	|	|	|	0.07
59.917	0.00	0.15	0.133	O	|	|	|	|	0.06
60.000	0.00	0.15	0.132	O	|	|	|	|	0.06
60.083	0.00	0.15	0.131	O	|	|	|	|	0.06
60.167	0.00	0.15	0.130	O	|	|	|	|	0.06
60.250	0.00	0.15	0.129	O	|	|	|	|	0.06
60.333	0.00	0.14	0.128	O	|	|	|	|	0.06
60.417	0.00	0.14	0.127	O	|	|	|	|	0.06
60.500	0.00	0.14	0.126	O	|	|	|	|	0.06
60.583	0.00	0.14	0.125	O	|	|	|	|	0.06
60.667	0.00	0.14	0.124	O	|	|	|	|	0.06
60.750	0.00	0.14	0.123	O	|	|	|	|	0.06
60.833	0.00	0.14	0.122	O	|	|	|	|	0.06
60.917	0.00	0.14	0.121	O	|	|	|	|	0.06
61.000	0.00	0.14	0.120	O	|	|	|	|	0.06
61.083	0.00	0.13	0.119	O	|	|	|	|	0.06
61.167	0.00	0.13	0.118	O	|	|	|	|	0.06
61.250	0.00	0.13	0.117	O	|	|	|	|	0.06
61.333	0.00	0.13	0.116	O	|	|	|	|	0.06
61.417	0.00	0.13	0.115	O	|	|	|	|	0.06
61.500	0.00	0.13	0.115	O	|	|	|	|	0.06
61.583	0.00	0.13	0.114	O	|	|	|	|	0.06
61.667	0.00	0.13	0.113	O	|	|	|	|	0.06
61.750	0.00	0.13	0.112	O	|	|	|	|	0.05
61.833	0.00	0.13	0.111	O	|	|	|	|	0.05
61.917	0.00	0.12	0.110	O	|	|	|	|	0.05
62.000	0.00	0.12	0.109	O	|	|	|	|	0.05
62.083	0.00	0.12	0.108	O	|	|	|	|	0.05
62.167	0.00	0.12	0.108	O	|	|	|	|	0.05
62.250	0.00	0.12	0.107	O	|	|	|	|	0.05
62.333	0.00	0.12	0.106	O	|	|	|	|	0.05

62.417	0.00	0.12	0.105	O	|	|	|	|	0.05
62.500	0.00	0.12	0.104	O	|	|	|	|	0.05
62.583	0.00	0.12	0.104	O	|	|	|	|	0.05
62.667	0.00	0.12	0.103	O	|	|	|	|	0.05
62.750	0.00	0.12	0.102	O	|	|	|	|	0.05
62.833	0.00	0.11	0.101	O	|	|	|	|	0.05
62.917	0.00	0.11	0.100	O	|	|	|	|	0.05
63.000	0.00	0.11	0.100	O	|	|	|	|	0.05
63.083	0.00	0.11	0.099	O	|	|	|	|	0.05
63.167	0.00	0.11	0.098	O	|	|	|	|	0.05
63.250	0.00	0.11	0.097	O	|	|	|	|	0.05
63.333	0.00	0.11	0.097	O	|	|	|	|	0.05
63.417	0.00	0.11	0.096	O	|	|	|	|	0.05
63.500	0.00	0.11	0.095	O	|	|	|	|	0.05
63.583	0.00	0.11	0.094	O	|	|	|	|	0.05
63.667	0.00	0.11	0.094	O	|	|	|	|	0.05
63.750	0.00	0.11	0.093	O	|	|	|	|	0.05
63.833	0.00	0.10	0.092	O	|	|	|	|	0.04
63.917	0.00	0.10	0.091	O	|	|	|	|	0.04
64.000	0.00	0.10	0.091	O	|	|	|	|	0.04
64.083	0.00	0.10	0.090	O	|	|	|	|	0.04
64.167	0.00	0.10	0.089	O	|	|	|	|	0.04
64.250	0.00	0.10	0.089	O	|	|	|	|	0.04
64.333	0.00	0.10	0.088	O	|	|	|	|	0.04
64.417	0.00	0.10	0.087	O	|	|	|	|	0.04
64.500	0.00	0.10	0.087	O	|	|	|	|	0.04
64.583	0.00	0.10	0.086	O	|	|	|	|	0.04
64.667	0.00	0.10	0.085	O	|	|	|	|	0.04
64.750	0.00	0.10	0.085	O	|	|	|	|	0.04
64.833	0.00	0.09	0.084	O	|	|	|	|	0.04
64.917	0.00	0.09	0.083	O	|	|	|	|	0.04
65.000	0.00	0.09	0.083	O	|	|	|	|	0.04
65.083	0.00	0.09	0.082	O	|	|	|	|	0.04
65.167	0.00	0.09	0.081	O	|	|	|	|	0.04
65.250	0.00	0.09	0.081	O	|	|	|	|	0.04
65.333	0.00	0.09	0.080	O	|	|	|	|	0.04
65.417	0.00	0.09	0.079	O	|	|	|	|	0.04
65.500	0.00	0.09	0.079	O	|	|	|	|	0.04
65.583	0.00	0.09	0.078	O	|	|	|	|	0.04
65.667	0.00	0.09	0.078	O	|	|	|	|	0.04
65.750	0.00	0.09	0.077	O	|	|	|	|	0.04
65.833	0.00	0.09	0.076	O	|	|	|	|	0.04
65.917	0.00	0.09	0.076	O	|	|	|	|	0.04
66.000	0.00	0.09	0.075	O	|	|	|	|	0.04
66.083	0.00	0.08	0.075	O	|	|	|	|	0.04
66.167	0.00	0.08	0.074	O	|	|	|	|	0.04
66.250	0.00	0.08	0.073	O	|	|	|	|	0.04
66.333	0.00	0.08	0.073	O	|	|	|	|	0.04
66.417	0.00	0.08	0.072	O	|	|	|	|	0.04
66.500	0.00	0.08	0.072	O	|	|	|	|	0.04
66.583	0.00	0.08	0.071	O	|	|	|	|	0.03
66.667	0.00	0.08	0.071	O	|	|	|	|	0.03
66.750	0.00	0.08	0.070	O	|	|	|	|	0.03
66.833	0.00	0.08	0.070	O	|	|	|	|	0.03
66.917	0.00	0.08	0.069	O	|	|	|	|	0.03
67.000	0.00	0.08	0.068	O	|	|	|	|	0.03
67.083	0.00	0.08	0.068	O	|	|	|	|	0.03
67.167	0.00	0.08	0.067	O	|	|	|	|	0.03
67.250	0.00	0.08	0.067	O	|	|	|	|	0.03
67.333	0.00	0.08	0.066	O	|	|	|	|	0.03
67.417	0.00	0.07	0.066	O	|	|	|	|	0.03
67.500	0.00	0.07	0.065	O	|	|	|	|	0.03
67.583	0.00	0.07	0.065	O	|	|	|	|	0.03
67.667	0.00	0.07	0.064	O	|	|	|	|	0.03
67.750	0.00	0.07	0.064	O	|	|	|	|	0.03
67.833	0.00	0.07	0.063	O	|	|	|	|	0.03
67.917	0.00	0.07	0.063	O	|	|	|	|	0.03
68.000	0.00	0.07	0.062	O	|	|	|	|	0.03

68.083	0.00	0.07	0.062	O	|	|	|	|	0.03
68.167	0.00	0.07	0.061	O	|	|	|	|	0.03
68.250	0.00	0.07	0.061	O	|	|	|	|	0.03
68.333	0.00	0.07	0.060	O	|	|	|	|	0.03
68.417	0.00	0.07	0.060	O	|	|	|	|	0.03
68.500	0.00	0.07	0.060	O	|	|	|	|	0.03
68.583	0.00	0.07	0.059	O	|	|	|	|	0.03
68.667	0.00	0.07	0.059	O	|	|	|	|	0.03
68.750	0.00	0.07	0.058	O	|	|	|	|	0.03
68.833	0.00	0.07	0.058	O	|	|	|	|	0.03
68.917	0.00	0.06	0.057	O	|	|	|	|	0.03
69.000	0.00	0.06	0.057	O	|	|	|	|	0.03
69.083	0.00	0.06	0.056	O	|	|	|	|	0.03
69.167	0.00	0.06	0.056	O	|	|	|	|	0.03
69.250	0.00	0.06	0.055	O	|	|	|	|	0.03
69.333	0.00	0.06	0.055	O	|	|	|	|	0.03
69.417	0.00	0.06	0.055	O	|	|	|	|	0.03
69.500	0.00	0.06	0.054	O	|	|	|	|	0.03
69.583	0.00	0.06	0.054	O	|	|	|	|	0.03
69.667	0.00	0.06	0.053	O	|	|	|	|	0.03
69.750	0.00	0.06	0.053	O	|	|	|	|	0.03
69.833	0.00	0.06	0.053	O	|	|	|	|	0.03
69.917	0.00	0.06	0.052	O	|	|	|	|	0.03
70.000	0.00	0.06	0.052	O	|	|	|	|	0.03
70.083	0.00	0.06	0.051	O	|	|	|	|	0.03
70.167	0.00	0.06	0.051	O	|	|	|	|	0.02
70.250	0.00	0.06	0.051	O	|	|	|	|	0.02
70.333	0.00	0.06	0.050	O	|	|	|	|	0.02
70.417	0.00	0.06	0.050	O	|	|	|	|	0.02
70.500	0.00	0.06	0.049	O	|	|	|	|	0.02
70.583	0.00	0.06	0.049	O	|	|	|	|	0.02
70.667	0.00	0.06	0.049	O	|	|	|	|	0.02
70.750	0.00	0.05	0.048	O	|	|	|	|	0.02
70.833	0.00	0.05	0.048	O	|	|	|	|	0.02
70.917	0.00	0.05	0.047	O	|	|	|	|	0.02
71.000	0.00	0.05	0.047	O	|	|	|	|	0.02
71.083	0.00	0.05	0.047	O	|	|	|	|	0.02
71.167	0.00	0.05	0.046	O	|	|	|	|	0.02
71.250	0.00	0.05	0.046	O	|	|	|	|	0.02
71.333	0.00	0.05	0.046	O	|	|	|	|	0.02
71.417	0.00	0.05	0.045	O	|	|	|	|	0.02
71.500	0.00	0.05	0.045	O	|	|	|	|	0.02
71.583	0.00	0.05	0.045	O	|	|	|	|	0.02
71.667	0.00	0.05	0.044	O	|	|	|	|	0.02
71.750	0.00	0.05	0.044	O	|	|	|	|	0.02
71.833	0.00	0.05	0.044	O	|	|	|	|	0.02
71.917	0.00	0.05	0.043	O	|	|	|	|	0.02
72.000	0.00	0.05	0.043	O	|	|	|	|	0.02
72.083	0.00	0.05	0.043	O	|	|	|	|	0.02
72.167	0.00	0.05	0.042	O	|	|	|	|	0.02
72.250	0.00	0.05	0.042	O	|	|	|	|	0.02
72.333	0.00	0.05	0.042	O	|	|	|	|	0.02
72.417	0.00	0.05	0.041	O	|	|	|	|	0.02
72.500	0.00	0.05	0.041	O	|	|	|	|	0.02
72.583	0.00	0.05	0.041	O	|	|	|	|	0.02
72.667	0.00	0.05	0.040	O	|	|	|	|	0.02
72.750	0.00	0.05	0.040	O	|	|	|	|	0.02
72.833	0.00	0.04	0.040	O	|	|	|	|	0.02
72.917	0.00	0.04	0.039	O	|	|	|	|	0.02
73.000	0.00	0.04	0.039	O	|	|	|	|	0.02
73.083	0.00	0.04	0.039	O	|	|	|	|	0.02
73.167	0.00	0.04	0.038	O	|	|	|	|	0.02
73.250	0.00	0.04	0.038	O	|	|	|	|	0.02
73.333	0.00	0.04	0.038	O	|	|	|	|	0.02
73.417	0.00	0.04	0.038	O	|	|	|	|	0.02
73.500	0.00	0.04	0.037	O	|	|	|	|	0.02
73.583	0.00	0.04	0.037	O	|	|	|	|	0.02
73.667	0.00	0.04	0.037	O	|	|	|	|	0.02

73.750	0.00	0.04	0.036	O					0.02
73.833	0.00	0.04	0.036	O					0.02
73.917	0.00	0.04	0.036	O					0.02
74.000	0.00	0.04	0.036	O					0.02
74.083	0.00	0.04	0.035	O					0.02
74.167	0.00	0.04	0.035	O					0.02
74.250	0.00	0.04	0.035	O					0.02
74.333	0.00	0.04	0.034	O					0.02
74.417	0.00	0.04	0.034	O					0.02
74.500	0.00	0.04	0.034	O					0.02
74.583	0.00	0.04	0.034	O					0.02
74.667	0.00	0.04	0.033	O					0.02
74.750	0.00	0.04	0.033	O					0.02
74.833	0.00	0.04	0.033	O					0.02
74.917	0.00	0.04	0.033	O					0.02
75.000	0.00	0.04	0.032	O					0.02
75.083	0.00	0.04	0.032	O					0.02
75.167	0.00	0.04	0.032	O					0.02
75.250	0.00	0.04	0.032	O					0.02
75.333	0.00	0.04	0.031	O					0.02
75.417	0.00	0.04	0.031	O					0.02
75.500	0.00	0.04	0.031	O					0.02
75.583	0.00	0.03	0.031	O					0.01
75.667	0.00	0.03	0.030	O					0.01
75.750	0.00	0.03	0.030	O					0.01
75.833	0.00	0.03	0.030	O					0.01
75.917	0.00	0.03	0.030	O					0.01
76.000	0.00	0.03	0.030	O					0.01
76.083	0.00	0.03	0.029	O					0.01
76.167	0.00	0.03	0.029	O					0.01
76.250	0.00	0.03	0.029	O					0.01
76.333	0.00	0.03	0.029	O					0.01
76.417	0.00	0.03	0.028	O					0.01
76.500	0.00	0.03	0.028	O					0.01
76.583	0.00	0.03	0.028	O					0.01
76.667	0.00	0.03	0.028	O					0.01
76.750	0.00	0.03	0.028	O					0.01
76.833	0.00	0.03	0.027	O					0.01
76.917	0.00	0.03	0.027	O					0.01
77.000	0.00	0.03	0.027	O					0.01
77.083	0.00	0.03	0.027	O					0.01
77.167	0.00	0.03	0.026	O					0.01
77.250	0.00	0.03	0.026	O					0.01
77.333	0.00	0.03	0.026	O					0.01
77.417	0.00	0.03	0.026	O					0.01
77.500	0.00	0.03	0.026	O					0.01
77.583	0.00	0.03	0.025	O					0.01
77.667	0.00	0.03	0.025	O					0.01
77.750	0.00	0.03	0.025	O					0.01
77.833	0.00	0.03	0.025	O					0.01
77.917	0.00	0.03	0.025	O					0.01
78.000	0.00	0.03	0.024	O					0.01
78.083	0.00	0.03	0.024	O					0.01
78.167	0.00	0.03	0.024	O					0.01
78.250	0.00	0.03	0.024	O					0.01
78.333	0.00	0.03	0.024	O					0.01
78.417	0.00	0.03	0.024	O					0.01
78.500	0.00	0.03	0.023	O					0.01
78.583	0.00	0.03	0.023	O					0.01
78.667	0.00	0.03	0.023	O					0.01
78.750	0.00	0.03	0.023	O					0.01
78.833	0.00	0.03	0.023	O					0.01
78.917	0.00	0.03	0.022	O					0.01
79.000	0.00	0.03	0.022	O					0.01
79.083	0.00	0.03	0.022	O					0.01
79.167	0.00	0.02	0.022	O					0.01
79.250	0.00	0.02	0.022	O					0.01
79.333	0.00	0.02	0.022	O					0.01

79.417	0.00	0.02	0.021	O	|	|	|	|	0.01
79.500	0.00	0.02	0.021	O	|	|	|	|	0.01
79.583	0.00	0.02	0.021	O	|	|	|	|	0.01
79.667	0.00	0.02	0.021	O	|	|	|	|	0.01
79.750	0.00	0.02	0.021	O	|	|	|	|	0.01
79.833	0.00	0.02	0.021	O	|	|	|	|	0.01
79.917	0.00	0.02	0.020	O	|	|	|	|	0.01
80.000	0.00	0.02	0.020	O	|	|	|	|	0.01
80.083	0.00	0.02	0.020	O	|	|	|	|	0.01
80.167	0.00	0.02	0.020	O	|	|	|	|	0.01
80.250	0.00	0.02	0.020	O	|	|	|	|	0.01
80.333	0.00	0.02	0.020	O	|	|	|	|	0.01
80.417	0.00	0.02	0.020	O	|	|	|	|	0.01
80.500	0.00	0.02	0.019	O	|	|	|	|	0.01
80.583	0.00	0.02	0.019	O	|	|	|	|	0.01
80.667	0.00	0.02	0.019	O	|	|	|	|	0.01
80.750	0.00	0.02	0.019	O	|	|	|	|	0.01
80.833	0.00	0.02	0.019	O	|	|	|	|	0.01
80.917	0.00	0.02	0.019	O	|	|	|	|	0.01
81.000	0.00	0.02	0.018	O	|	|	|	|	0.01
81.083	0.00	0.02	0.018	O	|	|	|	|	0.01
81.167	0.00	0.02	0.018	O	|	|	|	|	0.01
81.250	0.00	0.02	0.018	O	|	|	|	|	0.01
81.333	0.00	0.02	0.018	O	|	|	|	|	0.01
81.417	0.00	0.02	0.018	O	|	|	|	|	0.01
81.500	0.00	0.02	0.018	O	|	|	|	|	0.01
81.583	0.00	0.02	0.018	O	|	|	|	|	0.01
81.667	0.00	0.02	0.017	O	|	|	|	|	0.01
81.750	0.00	0.02	0.017	O	|	|	|	|	0.01
81.833	0.00	0.02	0.017	O	|	|	|	|	0.01
81.917	0.00	0.02	0.017	O	|	|	|	|	0.01
82.000	0.00	0.02	0.017	O	|	|	|	|	0.01
82.083	0.00	0.02	0.017	O	|	|	|	|	0.01
82.167	0.00	0.02	0.017	O	|	|	|	|	0.01
82.250	0.00	0.02	0.016	O	|	|	|	|	0.01
82.333	0.00	0.02	0.016	O	|	|	|	|	0.01
82.417	0.00	0.02	0.016	O	|	|	|	|	0.01
82.500	0.00	0.02	0.016	O	|	|	|	|	0.01
82.583	0.00	0.02	0.016	O	|	|	|	|	0.01
82.667	0.00	0.02	0.016	O	|	|	|	|	0.01
82.750	0.00	0.02	0.016	O	|	|	|	|	0.01
82.833	0.00	0.02	0.016	O	|	|	|	|	0.01
82.917	0.00	0.02	0.015	O	|	|	|	|	0.01
83.000	0.00	0.02	0.015	O	|	|	|	|	0.01
83.083	0.00	0.02	0.015	O	|	|	|	|	0.01
83.167	0.00	0.02	0.015	O	|	|	|	|	0.01
83.250	0.00	0.02	0.015	O	|	|	|	|	0.01
83.333	0.00	0.02	0.015	O	|	|	|	|	0.01
83.417	0.00	0.02	0.015	O	|	|	|	|	0.01
83.500	0.00	0.02	0.015	O	|	|	|	|	0.01
83.583	0.00	0.02	0.015	O	|	|	|	|	0.01
83.667	0.00	0.02	0.014	O	|	|	|	|	0.01
83.750	0.00	0.02	0.014	O	|	|	|	|	0.01
83.833	0.00	0.02	0.014	O	|	|	|	|	0.01
83.917	0.00	0.02	0.014	O	|	|	|	|	0.01
84.000	0.00	0.02	0.014	O	|	|	|	|	0.01
84.083	0.00	0.02	0.014	O	|	|	|	|	0.01
84.167	0.00	0.02	0.014	O	|	|	|	|	0.01
84.250	0.00	0.02	0.014	O	|	|	|	|	0.01
84.333	0.00	0.02	0.014	O	|	|	|	|	0.01
84.417	0.00	0.02	0.013	O	|	|	|	|	0.01
84.500	0.00	0.02	0.013	O	|	|	|	|	0.01
84.583	0.00	0.01	0.013	O	|	|	|	|	0.01
84.667	0.00	0.01	0.013	O	|	|	|	|	0.01
84.750	0.00	0.01	0.013	O	|	|	|	|	0.01
84.833	0.00	0.01	0.013	O	|	|	|	|	0.01
84.917	0.00	0.01	0.013	O	|	|	|	|	0.01
85.000	0.00	0.01	0.013	O	|	|	|	|	0.01

85.083	0.00	0.01	0.013	O					0.01
85.167	0.00	0.01	0.013	O					0.01
85.250	0.00	0.01	0.012	O					0.01
85.333	0.00	0.01	0.012	O					0.01
85.417	0.00	0.01	0.012	O					0.01
85.500	0.00	0.01	0.012	O					0.01
85.583	0.00	0.01	0.012	O					0.01
85.667	0.00	0.01	0.012	O					0.01
85.750	0.00	0.01	0.012	O					0.01
85.833	0.00	0.01	0.012	O					0.01
85.917	0.00	0.01	0.012	O					0.01
86.000	0.00	0.01	0.012	O					0.01
86.083	0.00	0.01	0.011	O					0.01
86.167	0.00	0.01	0.011	O					0.01
86.250	0.00	0.01	0.011	O					0.01
86.333	0.00	0.01	0.011	O					0.01
86.417	0.00	0.01	0.011	O					0.01
86.500	0.00	0.01	0.011	O					0.01
86.583	0.00	0.01	0.011	O					0.01
86.667	0.00	0.01	0.011	O					0.01
86.750	0.00	0.01	0.011	O					0.01
86.833	0.00	0.01	0.011	O					0.01
86.917	0.00	0.01	0.011	O					0.01
87.000	0.00	0.01	0.011	O					0.01
87.083	0.00	0.01	0.010	O					0.01
87.167	0.00	0.01	0.010	O					0.01
87.250	0.00	0.01	0.010	O					0.01
87.333	0.00	0.01	0.010	O					0.00
87.417	0.00	0.01	0.010	O					0.00
87.500	0.00	0.01	0.010	O					0.00
87.583	0.00	0.01	0.010	O					0.00
87.667	0.00	0.01	0.010	O					0.00
87.750	0.00	0.01	0.010	O					0.00
87.833	0.00	0.01	0.010	O					0.00
87.917	0.00	0.01	0.010	O					0.00
88.000	0.00	0.01	0.010	O					0.00
88.083	0.00	0.01	0.010	O					0.00
88.167	0.00	0.01	0.009	O					0.00
88.250	0.00	0.01	0.009	O					0.00
88.333	0.00	0.01	0.009	O					0.00
88.417	0.00	0.01	0.009	O					0.00
88.500	0.00	0.01	0.009	O					0.00
88.583	0.00	0.01	0.009	O					0.00
88.667	0.00	0.01	0.009	O					0.00
88.750	0.00	0.01	0.009	O					0.00
88.833	0.00	0.01	0.009	O					0.00
88.917	0.00	0.01	0.009	O					0.00
89.000	0.00	0.01	0.009	O					0.00
89.083	0.00	0.01	0.009	O					0.00
89.167	0.00	0.01	0.009	O					0.00
89.250	0.00	0.01	0.009	O					0.00
89.333	0.00	0.01	0.008	O					0.00
89.417	0.00	0.01	0.008	O					0.00
89.500	0.00	0.01	0.008	O					0.00
89.583	0.00	0.01	0.008	O					0.00
89.667	0.00	0.01	0.008	O					0.00
89.750	0.00	0.01	0.008	O					0.00
89.833	0.00	0.01	0.008	O					0.00
89.917	0.00	0.01	0.008	O					0.00
90.000	0.00	0.01	0.008	O					0.00
90.083	0.00	0.01	0.008	O					0.00
90.167	0.00	0.01	0.008	O					0.00
90.250	0.00	0.01	0.008	O					0.00
90.333	0.00	0.01	0.008	O					0.00
90.417	0.00	0.01	0.008	O					0.00
90.500	0.00	0.01	0.008	O					0.00
90.583	0.00	0.01	0.008	O					0.00
90.667	0.00	0.01	0.007	O					0.00

90.750	0.00	0.01	0.007	O	|	|	|	|	0.00
90.833	0.00	0.01	0.007	O	|	|	|	|	0.00
90.917	0.00	0.01	0.007	O	|	|	|	|	0.00
91.000	0.00	0.01	0.007	O	|	|	|	|	0.00
91.083	0.00	0.01	0.007	O	|	|	|	|	0.00
91.167	0.00	0.01	0.007	O	|	|	|	|	0.00
91.250	0.00	0.01	0.007	O	|	|	|	|	0.00
91.333	0.00	0.01	0.007	O	|	|	|	|	0.00
91.417	0.00	0.01	0.007	O	|	|	|	|	0.00
91.500	0.00	0.01	0.007	O	|	|	|	|	0.00
91.583	0.00	0.01	0.007	O	|	|	|	|	0.00
91.667	0.00	0.01	0.007	O	|	|	|	|	0.00
91.750	0.00	0.01	0.007	O	|	|	|	|	0.00
91.833	0.00	0.01	0.007	O	|	|	|	|	0.00
91.917	0.00	0.01	0.007	O	|	|	|	|	0.00
92.000	0.00	0.01	0.007	O	|	|	|	|	0.00
92.083	0.00	0.01	0.007	O	|	|	|	|	0.00
92.167	0.00	0.01	0.007	O	|	|	|	|	0.00
92.250	0.00	0.01	0.006	O	|	|	|	|	0.00
92.333	0.00	0.01	0.006	O	|	|	|	|	0.00
92.417	0.00	0.01	0.006	O	|	|	|	|	0.00
92.500	0.00	0.01	0.006	O	|	|	|	|	0.00
92.583	0.00	0.01	0.006	O	|	|	|	|	0.00
92.667	0.00	0.01	0.006	O	|	|	|	|	0.00
92.750	0.00	0.01	0.006	O	|	|	|	|	0.00
92.833	0.00	0.01	0.006	O	|	|	|	|	0.00
92.917	0.00	0.01	0.006	O	|	|	|	|	0.00
93.000	0.00	0.01	0.006	O	|	|	|	|	0.00
93.083	0.00	0.01	0.006	O	|	|	|	|	0.00
93.167	0.00	0.01	0.006	O	|	|	|	|	0.00
93.250	0.00	0.01	0.006	O	|	|	|	|	0.00
93.333	0.00	0.01	0.006	O	|	|	|	|	0.00
93.417	0.00	0.01	0.006	O	|	|	|	|	0.00
93.500	0.00	0.01	0.006	O	|	|	|	|	0.00
93.583	0.00	0.01	0.006	O	|	|	|	|	0.00
93.667	0.00	0.01	0.006	O	|	|	|	|	0.00
93.750	0.00	0.01	0.006	O	|	|	|	|	0.00
93.833	0.00	0.01	0.006	O	|	|	|	|	0.00
93.917	0.00	0.01	0.006	O	|	|	|	|	0.00
94.000	0.00	0.01	0.005	O	|	|	|	|	0.00
94.083	0.00	0.01	0.005	O	|	|	|	|	0.00
94.167	0.00	0.01	0.005	O	|	|	|	|	0.00
94.250	0.00	0.01	0.005	O	|	|	|	|	0.00
94.333	0.00	0.01	0.005	O	|	|	|	|	0.00
94.417	0.00	0.01	0.005	O	|	|	|	|	0.00
94.500	0.00	0.01	0.005	O	|	|	|	|	0.00
94.583	0.00	0.01	0.005	O	|	|	|	|	0.00
94.667	0.00	0.01	0.005	O	|	|	|	|	0.00
94.750	0.00	0.01	0.005	O	|	|	|	|	0.00
94.833	0.00	0.01	0.005	O	|	|	|	|	0.00
94.917	0.00	0.01	0.005	O	|	|	|	|	0.00
95.000	0.00	0.01	0.005	O	|	|	|	|	0.00
95.083	0.00	0.01	0.005	O	|	|	|	|	0.00
95.167	0.00	0.01	0.005	O	|	|	|	|	0.00
95.250	0.00	0.01	0.005	O	|	|	|	|	0.00
95.333	0.00	0.01	0.005	O	|	|	|	|	0.00
95.417	0.00	0.01	0.005	O	|	|	|	|	0.00
95.500	0.00	0.01	0.005	O	|	|	|	|	0.00
95.583	0.00	0.01	0.005	O	|	|	|	|	0.00
95.667	0.00	0.01	0.005	O	|	|	|	|	0.00
95.750	0.00	0.01	0.005	O	|	|	|	|	0.00
95.833	0.00	0.01	0.005	O	|	|	|	|	0.00
95.917	0.00	0.01	0.005	O	|	|	|	|	0.00
96.000	0.00	0.01	0.005	O	|	|	|	|	0.00
96.083	0.00	0.01	0.005	O	|	|	|	|	0.00
96.167	0.00	0.01	0.004	O	|	|	|	|	0.00
96.250	0.00	0.01	0.004	O	|	|	|	|	0.00
96.333	0.00	0.00	0.004	O	|	|	|	|	0.00

96.417	0.00	0.00	0.004	O					0.00
96.500	0.00	0.00	0.004	O					0.00
96.583	0.00	0.00	0.004	O					0.00
96.667	0.00	0.00	0.004	O					0.00
96.750	0.00	0.00	0.004	O					0.00
96.833	0.00	0.00	0.004	O					0.00
96.917	0.00	0.00	0.004	O					0.00
97.000	0.00	0.00	0.004	O					0.00
97.083	0.00	0.00	0.004	O					0.00
97.167	0.00	0.00	0.004	O					0.00
97.250	0.00	0.00	0.004	O					0.00
97.333	0.00	0.00	0.004	O					0.00
97.417	0.00	0.00	0.004	O					0.00
97.500	0.00	0.00	0.004	O					0.00
97.583	0.00	0.00	0.004	O					0.00
97.667	0.00	0.00	0.004	O					0.00
97.750	0.00	0.00	0.004	O					0.00
97.833	0.00	0.00	0.004	O					0.00
97.917	0.00	0.00	0.004	O					0.00
98.000	0.00	0.00	0.004	O					0.00
98.083	0.00	0.00	0.004	O					0.00
98.167	0.00	0.00	0.004	O					0.00
98.250	0.00	0.00	0.004	O					0.00
98.333	0.00	0.00	0.004	O					0.00
98.417	0.00	0.00	0.004	O					0.00
98.500	0.00	0.00	0.004	O					0.00
98.583	0.00	0.00	0.004	O					0.00
98.667	0.00	0.00	0.004	O					0.00
98.750	0.00	0.00	0.004	O					0.00
98.833	0.00	0.00	0.003	O					0.00
98.917	0.00	0.00	0.003	O					0.00
99.000	0.00	0.00	0.003	O					0.00
99.083	0.00	0.00	0.003	O					0.00
99.167	0.00	0.00	0.003	O					0.00
99.250	0.00	0.00	0.003	O					0.00
99.333	0.00	0.00	0.003	O					0.00
99.417	0.00	0.00	0.003	O					0.00
99.500	0.00	0.00	0.003	O					0.00
99.583	0.00	0.00	0.003	O					0.00
99.667	0.00	0.00	0.003	O					0.00
99.750	0.00	0.00	0.003	O					0.00
99.833	0.00	0.00	0.003	O					0.00
99.917	0.00	0.00	0.003	O					0.00
100.000	0.00	0.00	0.003	O					0.00
100.083	0.00	0.00	0.003	O					0.00
100.167	0.00	0.00	0.003	O					0.00
100.250	0.00	0.00	0.003	O					0.00
100.333	0.00	0.00	0.003	O					0.00
100.417	0.00	0.00	0.003	O					0.00
100.500	0.00	0.00	0.003	O					0.00
100.583	0.00	0.00	0.003	O					0.00
100.667	0.00	0.00	0.003	O					0.00
100.750	0.00	0.00	0.003	O					0.00
100.833	0.00	0.00	0.003	O					0.00
100.917	0.00	0.00	0.003	O					0.00
101.000	0.00	0.00	0.003	O					0.00
101.083	0.00	0.00	0.003	O					0.00
101.167	0.00	0.00	0.003	O					0.00
101.250	0.00	0.00	0.003	O					0.00
101.333	0.00	0.00	0.003	O					0.00
101.417	0.00	0.00	0.003	O					0.00
101.500	0.00	0.00	0.003	O					0.00
101.583	0.00	0.00	0.003	O					0.00
101.667	0.00	0.00	0.003	O					0.00
101.750	0.00	0.00	0.003	O					0.00
101.833	0.00	0.00	0.003	O					0.00
101.917	0.00	0.00	0.003	O					0.00
102.000	0.00	0.00	0.003	O					0.00

102.083	0.00	0.00	0.003	O	|	|	|	|	0.00
102.167	0.00	0.00	0.003	O	|	|	|	|	0.00
102.250	0.00	0.00	0.003	O	|	|	|	|	0.00
102.333	0.00	0.00	0.003	O	|	|	|	|	0.00
102.417	0.00	0.00	0.002	O	|	|	|	|	0.00
102.500	0.00	0.00	0.002	O	|	|	|	|	0.00
102.583	0.00	0.00	0.002	O	|	|	|	|	0.00
102.667	0.00	0.00	0.002	O	|	|	|	|	0.00
102.750	0.00	0.00	0.002	O	|	|	|	|	0.00
102.833	0.00	0.00	0.002	O	|	|	|	|	0.00
102.917	0.00	0.00	0.002	O	|	|	|	|	0.00
103.000	0.00	0.00	0.002	O	|	|	|	|	0.00
103.083	0.00	0.00	0.002	O	|	|	|	|	0.00
103.167	0.00	0.00	0.002	O	|	|	|	|	0.00
103.250	0.00	0.00	0.002	O	|	|	|	|	0.00
103.333	0.00	0.00	0.002	O	|	|	|	|	0.00
103.417	0.00	0.00	0.002	O	|	|	|	|	0.00
103.500	0.00	0.00	0.002	O	|	|	|	|	0.00
103.583	0.00	0.00	0.002	O	|	|	|	|	0.00
103.667	0.00	0.00	0.002	O	|	|	|	|	0.00
103.750	0.00	0.00	0.002	O	|	|	|	|	0.00
103.833	0.00	0.00	0.002	O	|	|	|	|	0.00
103.917	0.00	0.00	0.002	O	|	|	|	|	0.00
104.000	0.00	0.00	0.002	O	|	|	|	|	0.00
104.083	0.00	0.00	0.002	O	|	|	|	|	0.00
104.167	0.00	0.00	0.002	O	|	|	|	|	0.00
104.250	0.00	0.00	0.002	O	|	|	|	|	0.00
104.333	0.00	0.00	0.002	O	|	|	|	|	0.00
104.417	0.00	0.00	0.002	O	|	|	|	|	0.00
104.500	0.00	0.00	0.002	O	|	|	|	|	0.00
104.583	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1255
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.538 (CFS)
Total volume = 11.775 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 01/08/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRB610.rte

**********HYDROGRAPH DATA**********

Number of intervals = 83
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 138.529 (CFS)
Total volume = 16.200 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN B- ROUTING
10YR-6HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 83
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	2.050	2.320	2.042	2.058
2.000	4.240	3.490	4.228	4.252
3.000	6.570	4.360	6.555	6.585
4.000	9.040	5.080	9.023	9.057
5.000	11.650	5.710	11.630	11.670
6.000	14.410	127.850	13.970	14.850
7.000	17.320	320.000	16.218	18.422
8.000	20.370	563.910	18.428	22.312
9.000	23.580	930.190	20.377	26.783
10.000	26.950	1399.580	22.131	31.769
11.000	30.500	1945.140	23.802	37.198

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	34.6	69.26	103.90	138.53 (Ft.) Depth

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0.083    0.95    0.00      0.003  O       |       |       |       |     0.00
0.167    4.62    0.03      0.022  OI      |       |       |       |     0.01
0.250    7.21    0.07      0.063  OI      |       |       |       |     0.03
0.333    8.34    0.13      0.116  OI      |       |       |       |     0.06
0.417    8.94    0.20      0.174  O I     |       |       |       |     0.08
0.500    9.52    0.27      0.236  O I     |       |       |       |     0.12
0.583   10.48    0.34      0.303  O I     |       |       |       |     0.15
0.667   11.05    0.42      0.374  O I     |       |       |       |     0.18
0.750   11.34    0.51      0.448  O I     |       |       |       |     0.22
0.833   11.53    0.59      0.523  O I     |       |       |       |     0.26
0.917   11.67    0.68      0.599  O I     |       |       |       |     0.29
1.000   11.94    0.76      0.675  O I     |       |       |       |     0.33
1.083   12.68    0.85      0.754  O I     |       |       |       |     0.37
1.167   13.08    0.95      0.837  O  I    |       |       |       |     0.41
1.250   13.24    1.04      0.921  O  I    |       |       |       |     0.45
1.333   13.35    1.14      1.005  O  I    |       |       |       |     0.49
1.417   13.41    1.23      1.089  O  I    |       |       |       |     0.53
1.500   13.45    1.33      1.172  O  I    |       |       |       |     0.57
1.583   13.49    1.42      1.256  O  I    |       |       |       |     0.61
1.667   13.51    1.51      1.338  O  I    |       |       |       |     0.65
1.750   13.52    1.61      1.421  O  I    |       |       |       |     0.69
1.833   13.53    1.70      1.503  O  I    |       |       |       |     0.73
1.917   13.54    1.79      1.584  O  I    |       |       |       |     0.77
2.000   13.73    1.88      1.665  O  I    |       |       |       |     0.81
2.083   14.24    1.98      1.748  O  I    |       |       |       |     0.85
2.167   14.11    2.07      1.832  O  I    |       |       |       |     0.89
2.250   14.58    2.17      1.916  O  I    |       |       |       |     0.93
2.333   14.90    2.27      2.002  O  I    |       |       |       |     0.98
2.417   15.02    2.34      2.089  O  I    |       |       |       |     1.02
2.500   15.09    2.39      2.177  O  I    |       |       |       |     1.06
2.583   15.14    2.43      2.264  O  I    |       |       |       |     1.10
2.667   15.17    2.48      2.352  O  I    |       |       |       |     1.14
2.750   15.38    2.53      2.440  O  I    |       |       |       |     1.18
2.833   16.10    2.58      2.530  O  I    |       |       |       |     1.22
2.917   16.49    2.63      2.625  O  I    |       |       |       |     1.26
3.000   16.64    2.68      2.720  O  I    |       |       |       |     1.31
3.083   16.74    2.73      2.817  O  I    |       |       |       |     1.35
3.167   17.07    2.78      2.914  O  I    |       |       |       |     1.39
3.250   18.10    2.84      3.016  O   I   |       |       |       |     1.44
3.333   18.67    2.89      3.123  O   I   |       |       |       |     1.49
3.417   19.30    2.95      3.234  O   I   |       |       |       |     1.54
3.500   21.29    3.02      3.353  O   I   |       |       |       |     1.59
3.583   24.02    3.09      3.488  O    I  |       |       |       |     1.66
3.667   26.64    3.17      3.641  O     I |       |       |       |     1.73
3.750   28.37    3.26      3.808  O     I |       |       |       |     1.80
3.833   30.48    3.36      3.988  O      I|       |       |       |     1.88
3.917   32.08    3.46      4.180  O      I|       |       |       |     1.97
4.000   34.13    3.54      4.384  O      I|       |       |       |     2.06
4.083   35.71    3.62      4.599  O       I       |       |       |     2.15
4.167   38.13    3.71      4.828  O       I       |       |       |     2.25
4.250   41.15    3.80      5.076  O       |I      |       |       |     2.36
4.333   44.35    3.90      5.344  O       | I     |       |       |     2.47
4.417   47.66    4.01      5.633  O       |  I    |       |       |     2.60
4.500   50.64    4.13      5.944  O       |  I    |       |       |     2.73
4.583   52.60    4.25      6.270  O       |   I   |       |       |     2.87
4.667   55.27    4.37      6.612  |O      |   I   |       |       |     3.02
4.750   58.44    4.48      6.973  |O      |    I  |       |       |     3.16
4.833   61.35    4.59      7.354  |O      |     I |       |       |     3.32
4.917   63.29    4.70      7.752  |O      |     I |       |       |     3.48
5.000   65.94    4.82      8.164  |O      |      I|       |       |     3.65
5.083   70.67    4.95      8.600  |O      |       I       |       |     3.82
5.167   81.35    5.09      9.089  |O      |       | I     |       |     4.02
5.250   94.48    5.23      9.659  |O      |       |    I  |       |     4.24
5.333  105.99    5.39     10.313  |O      |       |       I       |     4.49
5.417  117.50    5.56     11.045  |O      |       |       |  I    |     4.77
5.500  133.40   14.16     11.841  |  O    |       |       |     I |     5.07
5.583  138.53   46.38     12.569  |       | O     |       |       I     5.33
5.667   91.63   64.55     12.980  |       |     O |    I  |       |     5.48
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5.750	53.48	**66.67**	**13.027**	|	| I O|	|	|	**5.50**
5.833	35.64	60.82	12.895	|	I O |	|	|	5.45
5.917	25.75	52.85	12.715	| I | O |		|	|	5.39
6.000	18.53	44.73	12.532	| I | O		|	|	5.32
6.083	13.07	37.08	12.359	| I O		|	|	5.26
6.167	8.26	30.09	12.201	|I O |		|	|	5.20
6.250	5.17	23.91	12.061	|I O |		|	|	5.15
6.333	3.27	18.70	11.944	I O |		|	|	5.11
6.417	1.76	14.42	11.847	I O |		|	|	5.07
6.500	0.68	10.93	11.768	I O |		|	|	5.04
6.583	0.34	8.18	11.706	IO |		|	|	5.02
6.667	0.19	6.08	11.658	IO |		|	|	5.00
6.750	0.10	5.70	11.619	IO |		|	|	4.99
6.833	0.05	5.69	11.580	IO |		|	|	4.97
6.917	0.01	5.68	11.541	IO |		|	|	4.96
7.000	0.00	5.67	11.502	IO |		|	|	4.94
7.083	0.00	5.66	11.463	IO |		|	|	4.93
7.167	0.00	5.66	11.424	IO |		|	|	4.91
7.250	0.00	5.65	11.385	IO |		|	|	4.90
7.333	0.00	5.64	11.346	IO |		|	|	4.88
7.417	0.00	5.63	11.308	IO |		|	|	4.87
7.500	0.00	5.62	11.269	IO |		|	|	4.85
7.583	0.00	5.61	11.230	IO |		|	|	4.84
7.667	0.00	5.60	11.192	IO |		|	|	4.82
7.750	0.00	5.59	11.153	IO |		|	|	4.81
7.833	0.00	5.58	11.115	IO |		|	|	4.79
7.917	0.00	5.57	11.076	IO |		|	|	4.78
8.000	0.00	5.56	11.038	IO |		|	|	4.77
8.083	0.00	5.55	11.000	IO |		|	|	4.75
8.167	0.00	5.54	10.961	IO |		|	|	4.74
8.250	0.00	5.53	10.923	IO |		|	|	4.72
8.333	0.00	5.53	10.885	IO |		|	|	4.71
8.417	0.00	5.52	10.847	IO |		|	|	4.69
8.500	0.00	5.51	10.809	IO |		|	|	4.68
8.583	0.00	5.50	10.771	IO |		|	|	4.66
8.667	0.00	5.49	10.733	IO |		|	|	4.65
8.750	0.00	5.48	10.696	IO |		|	|	4.63
8.833	0.00	5.47	10.658	IO |		|	|	4.62
8.917	0.00	5.46	10.620	IO |		|	|	4.61
9.000	0.00	5.45	10.583	IO |		|	|	4.59
9.083	0.00	5.44	10.545	IO |		|	|	4.58
9.167	0.00	5.43	10.508	IO |		|	|	4.56
9.250	0.00	5.43	10.470	IO |		|	|	4.55
9.333	0.00	5.42	10.433	IO |		|	|	4.53
9.417	0.00	5.41	10.396	IO |		|	|	4.52
9.500	0.00	5.40	10.358	IO |		|	|	4.51
9.583	0.00	5.39	10.321	IO |		|	|	4.49
9.667	0.00	5.38	10.284	IO |		|	|	4.48
9.750	0.00	5.37	10.247	IO |		|	|	4.46
9.833	0.00	5.36	10.210	IO |		|	|	4.45
9.917	0.00	5.35	10.173	IO |		|	|	4.43
10.000	0.00	5.34	10.137	IO |		|	|	4.42
10.083	0.00	5.34	10.100	IO |		|	|	4.41
10.167	0.00	5.33	10.063	IO |		|	|	4.39
10.250	0.00	5.32	10.026	IO |		|	|	4.38
10.333	0.00	5.31	9.990	IO |		|	|	4.36
10.417	0.00	5.30	9.953	IO |		|	|	4.35
10.500	0.00	5.29	9.917	IO |		|	|	4.34
10.583	0.00	5.28	9.880	IO |		|	|	4.32
10.667	0.00	5.27	9.844	IO |		|	|	4.31
10.750	0.00	5.27	9.808	IO |		|	|	4.29
10.833	0.00	5.26	9.771	IO |		|	|	4.28
10.917	0.00	5.25	9.735	IO |		|	|	4.27
11.000	0.00	5.24	9.699	IO |		|	|	4.25
11.083	0.00	5.23	9.663	IO |		|	|	4.24
11.167	0.00	5.22	9.627	IO |		|	|	4.22
11.250	0.00	5.21	9.591	IO |		|	|	4.21
11.333	0.00	5.20	9.555	IO |		|	|	4.20

11.417	0.00	5.20	9.520	IO					4.18
11.500	0.00	5.19	9.484	IO					4.17
11.583	0.00	5.18	9.448	IO					4.16
11.667	0.00	5.17	9.412	IO					4.14
11.750	0.00	5.16	9.377	IO					4.13
11.833	0.00	5.15	9.341	IO					4.12
11.917	0.00	5.14	9.306	IO					4.10
12.000	0.00	5.14	9.270	IO					4.09
12.083	0.00	5.13	9.235	IO					4.07
12.167	0.00	5.12	9.200	IO					4.06
12.250	0.00	5.11	9.165	IO					4.05
12.333	0.00	5.10	9.129	IO					4.03
12.417	0.00	5.09	9.094	IO					4.02
12.500	0.00	5.08	9.059	IO					4.01
12.583	0.00	5.08	9.024	IO					3.99
12.667	0.00	5.07	8.989	IO					3.98
12.750	0.00	5.06	8.955	IO					3.97
12.833	0.00	5.04	8.920	IO					3.95
12.917	0.00	5.03	8.885	IO					3.94
13.000	0.00	5.02	8.850	IO					3.92
13.083	0.00	5.01	8.816	IO					3.91
13.167	0.00	5.00	8.781	IO					3.90
13.250	0.00	4.99	8.747	IO					3.88
13.333	0.00	4.98	8.713	IO					3.87
13.417	0.00	4.97	8.678	IO					3.85
13.500	0.00	4.96	8.644	IO					3.84
13.583	0.00	4.95	8.610	IO					3.83
13.667	0.00	4.94	8.576	IO					3.81
13.750	0.00	4.93	8.542	IO					3.80
13.833	0.00	4.92	8.508	IO					3.78
13.917	0.00	4.92	8.474	IO					3.77
14.000	0.00	4.91	8.440	IO					3.76
14.083	0.00	4.90	8.406	IO					3.74
14.167	0.00	4.89	8.373	IO					3.73
14.250	0.00	4.88	8.339	IO					3.72
14.333	0.00	4.87	8.306	IO					3.70
14.417	0.00	4.86	8.272	IO					3.69
14.500	0.00	4.85	8.239	IO					3.68
14.583	0.00	4.84	8.205	IO					3.66
14.667	0.00	4.83	8.172	IO					3.65
14.750	0.00	4.82	8.139	IO					3.64
14.833	0.00	4.81	8.106	IO					3.62
14.917	0.00	4.80	8.073	IO					3.61
15.000	0.00	4.79	8.040	IO					3.59
15.083	0.00	4.78	8.007	IO					3.58
15.167	0.00	4.77	7.974	IO					3.57
15.250	0.00	4.76	7.941	IO					3.56
15.333	0.00	4.75	7.908	IO					3.54
15.417	0.00	4.74	7.876	IO					3.53
15.500	0.00	4.73	7.843	IO					3.52
15.583	0.00	4.72	7.810	IO					3.50
15.667	0.00	4.71	7.778	IO					3.49
15.750	0.00	4.70	7.745	IO					3.48
15.833	0.00	4.69	7.713	IO					3.46
15.917	0.00	4.68	7.681	IO					3.45
16.000	0.00	4.67	7.649	IO					3.44
16.083	0.00	4.67	7.616	IO					3.42
16.167	0.00	4.66	7.584	IO					3.41
16.250	0.00	4.65	7.552	IO					3.40
16.333	0.00	4.64	7.520	IO					3.38
16.417	0.00	4.63	7.488	IO					3.37
16.500	0.00	4.62	7.457	IO					3.36
16.583	0.00	4.61	7.425	IO					3.35
16.667	0.00	4.60	7.393	IO					3.33
16.750	0.00	4.59	7.361	IO					3.32
16.833	0.00	4.58	7.330	IO					3.31
16.917	0.00	4.57	7.298	IO					3.29
17.000	0.00	4.56	7.267	IO					3.28

17.083	0.00	4.55	7.236	IO					3.27
17.167	0.00	4.54	7.204	IO					3.26
17.250	0.00	4.54	7.173	IO					3.24
17.333	0.00	4.53	7.142	IO					3.23
17.417	0.00	4.52	7.111	IO					3.22
17.500	0.00	4.51	7.079	IO					3.21
17.583	0.00	4.50	7.048	IO					3.19
17.667	0.00	4.49	7.017	IO					3.18
17.750	0.00	4.48	6.987	IO					3.17
17.833	0.00	4.47	6.956	IO					3.16
17.917	0.00	4.46	6.925	IO					3.14
18.000	0.00	4.45	6.894	IO					3.13
18.083	0.00	4.45	6.864	IO					3.12
18.167	0.00	4.44	6.833	IO					3.11
18.250	0.00	4.43	6.803	IO					3.09
18.333	0.00	4.42	6.772	IO					3.08
18.417	0.00	4.41	6.742	IO					3.07
18.500	0.00	4.40	6.711	IO					3.06
18.583	0.00	4.39	6.681	IO					3.04
18.667	0.00	4.38	6.651	IO					3.03
18.750	0.00	4.37	6.621	IO					3.02
18.833	0.00	4.37	6.591	IO					3.01
18.917	0.00	4.36	6.561	IO					3.00
19.000	0.00	4.35	6.531	IO					2.98
19.083	0.00	4.33	6.501	IO					2.97
19.167	0.00	4.32	6.471	O					2.96
19.250	0.00	4.31	6.441	O					2.94
19.333	0.00	4.30	6.411	O					2.93
19.417	0.00	4.29	6.382	O					2.92
19.500	0.00	4.28	6.352	O					2.91
19.583	0.00	4.27	6.323	O					2.89
19.667	0.00	4.26	6.294	O					2.88
19.750	0.00	4.25	6.264	O					2.87
19.833	0.00	4.23	6.235	O					2.86
19.917	0.00	4.22	6.206	O					2.84
20.000	0.00	4.21	6.177	O					2.83
20.083	0.00	4.20	6.148	O					2.82
20.167	0.00	4.19	6.119	O					2.81
20.250	0.00	4.18	6.090	O					2.79
20.333	0.00	4.17	6.061	O					2.78
20.417	0.00	4.16	6.033	O					2.77
20.500	0.00	4.15	6.004	O					2.76
20.583	0.00	4.14	5.976	O					2.74
20.667	0.00	4.13	5.947	O					2.73
20.750	0.00	4.12	5.919	O					2.72
20.833	0.00	4.11	5.890	O					2.71
20.917	0.00	4.10	5.862	O					2.70
21.000	0.00	4.09	5.834	O					2.68
21.083	0.00	4.07	5.806	O					2.67
21.167	0.00	4.06	5.778	O					2.66
21.250	0.00	4.05	5.750	O					2.65
21.333	0.00	4.04	5.722	O					2.64
21.417	0.00	4.03	5.694	O					2.62
21.500	0.00	4.02	5.667	O					2.61
21.583	0.00	4.01	5.639	O					2.60
21.667	0.00	4.00	5.611	O					2.59
21.750	0.00	3.99	5.584	O					2.58
21.833	0.00	3.98	5.556	O					2.56
21.917	0.00	3.97	5.529	O					2.55
22.000	0.00	3.96	5.502	O					2.54
22.083	0.00	3.95	5.474	O					2.53
22.167	0.00	3.94	5.447	O					2.52
22.250	0.00	3.93	5.420	O					2.51
22.333	0.00	3.92	5.393	O					2.49
22.417	0.00	3.91	5.366	O					2.48
22.500	0.00	3.90	5.339	O					2.47
22.583	0.00	3.89	5.312	O					2.46
22.667	0.00	3.88	5.286	O					2.45

22.750	0.00	3.87	5.259	O	|	|	|	|	2.44
22.833	0.00	3.86	5.232	O	|	|	|	|	2.43
22.917	0.00	3.85	5.206	O	|	|	|	|	2.41
23.000	0.00	3.84	5.179	O	|	|	|	|	2.40
23.083	0.00	3.83	5.153	O	|	|	|	|	2.39
23.167	0.00	3.82	5.126	O	|	|	|	|	2.38
23.250	0.00	3.81	5.100	O	|	|	|	|	2.37
23.333	0.00	3.80	5.074	O	|	|	|	|	2.36
23.417	0.00	3.79	5.048	O	|	|	|	|	2.35
23.500	0.00	3.78	5.022	O	|	|	|	|	2.34
23.583	0.00	3.77	4.996	O	|	|	|	|	2.32
23.667	0.00	3.76	4.970	O	|	|	|	|	2.31
23.750	0.00	3.75	4.944	O	|	|	|	|	2.30
23.833	0.00	3.74	4.918	O	|	|	|	|	2.29
23.917	0.00	3.73	4.892	O	|	|	|	|	2.28
24.000	0.00	3.72	4.867	O	|	|	|	|	2.27
24.083	0.00	3.71	4.841	O	|	|	|	|	2.26
24.167	0.00	3.70	4.815	O	|	|	|	|	2.25
24.250	0.00	3.70	4.790	O	|	|	|	|	2.24
24.333	0.00	3.69	4.765	O	|	|	|	|	2.23
24.417	0.00	3.68	4.739	O	|	|	|	|	2.21
24.500	0.00	3.67	4.714	O	|	|	|	|	2.20
24.583	0.00	3.66	4.689	O	|	|	|	|	2.19
24.667	0.00	3.65	4.664	O	|	|	|	|	2.18
24.750	0.00	3.64	4.638	O	|	|	|	|	2.17
24.833	0.00	3.63	4.613	O	|	|	|	|	2.16
24.917	0.00	3.62	4.588	O	|	|	|	|	2.15
25.000	0.00	3.61	4.564	O	|	|	|	|	2.14
25.083	0.00	3.60	4.539	O	|	|	|	|	2.13
25.167	0.00	3.59	4.514	O	|	|	|	|	2.12
25.250	0.00	3.58	4.489	O	|	|	|	|	2.11
25.333	0.00	3.57	4.465	O	|	|	|	|	2.10
25.417	0.00	3.56	4.440	O	|	|	|	|	2.09
25.500	0.00	3.56	4.416	O	|	|	|	|	2.08
25.583	0.00	3.55	4.391	O	|	|	|	|	2.06
25.667	0.00	3.54	4.367	O	|	|	|	|	2.05
25.750	0.00	3.53	4.342	O	|	|	|	|	2.04
25.833	0.00	3.52	4.318	O	|	|	|	|	2.03
25.917	0.00	3.51	4.294	O	|	|	|	|	2.02
26.000	0.00	3.50	4.270	O	|	|	|	|	2.01
26.083	0.00	3.49	4.246	O	|	|	|	|	2.00
26.167	0.00	3.48	4.222	O	|	|	|	|	1.99
26.250	0.00	3.47	4.198	O	|	|	|	|	1.98
26.333	0.00	3.45	4.174	O	|	|	|	|	1.97
26.417	0.00	3.44	4.150	O	|	|	|	|	1.96
26.500	0.00	3.43	4.126	O	|	|	|	|	1.95
26.583	0.00	3.42	4.103	O	|	|	|	|	1.94
26.667	0.00	3.40	4.079	O	|	|	|	|	1.93
26.750	0.00	3.39	4.056	O	|	|	|	|	1.92
26.833	0.00	3.38	4.033	O	|	|	|	|	1.91
26.917	0.00	3.37	4.009	O	|	|	|	|	1.89
27.000	0.00	3.35	3.986	O	|	|	|	|	1.88
27.083	0.00	3.34	3.963	O	|	|	|	|	1.87
27.167	0.00	3.33	3.940	O	|	|	|	|	1.86
27.250	0.00	3.32	3.917	O	|	|	|	|	1.85
27.333	0.00	3.31	3.895	O	|	|	|	|	1.84
27.417	0.00	3.29	3.872	O	|	|	|	|	1.83
27.500	0.00	3.28	3.849	O	|	|	|	|	1.82
27.583	0.00	3.27	3.827	O	|	|	|	|	1.81
27.667	0.00	3.26	3.804	O	|	|	|	|	1.80
27.750	0.00	3.25	3.782	O	|	|	|	|	1.79
27.833	0.00	3.23	3.759	O	|	|	|	|	1.78
27.917	0.00	3.22	3.737	O	|	|	|	|	1.77
28.000	0.00	3.21	3.715	O	|	|	|	|	1.76
28.083	0.00	3.20	3.693	O	|	|	|	|	1.75
28.167	0.00	3.19	3.671	O	|	|	|	|	1.74
28.250	0.00	3.17	3.649	O	|	|	|	|	1.73
28.333	0.00	3.16	3.627	O	|	|	|	|	1.72

28.417	0.00	3.15	3.606	O	|	|	|	|	1.71
28.500	0.00	3.14	3.584	O	|	|	|	|	1.70
28.583	0.00	3.13	3.562	O	|	|	|	|	1.69
28.667	0.00	3.12	3.541	O	|	|	|	|	1.68
28.750	0.00	3.11	3.519	O	|	|	|	|	1.67
28.833	0.00	3.09	3.498	O	|	|	|	|	1.66
28.917	0.00	3.08	3.477	O	|	|	|	|	1.65
29.000	0.00	3.07	3.456	O	|	|	|	|	1.64
29.083	0.00	3.06	3.435	O	|	|	|	|	1.63
29.167	0.00	3.05	3.413	O	|	|	|	|	1.62
29.250	0.00	3.04	3.393	O	|	|	|	|	1.61
29.333	0.00	3.03	3.372	O	|	|	|	|	1.60
29.417	0.00	3.01	3.351	O	|	|	|	|	1.59
29.500	0.00	3.00	3.330	O	|	|	|	|	1.58
29.583	0.00	2.99	3.309	O	|	|	|	|	1.58
29.667	0.00	2.98	3.289	O	|	|	|	|	1.57
29.750	0.00	2.97	3.268	O	|	|	|	|	1.56
29.833	0.00	2.96	3.248	O	|	|	|	|	1.55
29.917	0.00	2.95	3.228	O	|	|	|	|	1.54
30.000	0.00	2.94	3.207	O	|	|	|	|	1.53
30.083	0.00	2.93	3.187	O	|	|	|	|	1.52
30.167	0.00	2.92	3.167	O	|	|	|	|	1.51
30.250	0.00	2.91	3.147	O	|	|	|	|	1.50
30.333	0.00	2.90	3.127	O	|	|	|	|	1.49
30.417	0.00	2.88	3.107	O	|	|	|	|	1.48
30.500	0.00	2.87	3.087	O	|	|	|	|	1.47
30.583	0.00	2.86	3.068	O	|	|	|	|	1.46
30.667	0.00	2.85	3.048	O	|	|	|	|	1.46
30.750	0.00	2.84	3.028	O	|	|	|	|	1.45
30.833	0.00	2.83	3.009	O	|	|	|	|	1.44
30.917	0.00	2.82	2.989	O	|	|	|	|	1.43
31.000	0.00	2.81	2.970	O	|	|	|	|	1.42
31.083	0.00	2.80	2.950	O	|	|	|	|	1.41
31.167	0.00	2.79	2.931	O	|	|	|	|	1.40
31.250	0.00	2.78	2.912	O	|	|	|	|	1.39
31.333	0.00	2.77	2.893	O	|	|	|	|	1.38
31.417	0.00	2.76	2.874	O	|	|	|	|	1.38
31.500	0.00	2.75	2.855	O	|	|	|	|	1.37
31.583	0.00	2.74	2.836	O	|	|	|	|	1.36
31.667	0.00	2.73	2.817	O	|	|	|	|	1.35
31.750	0.00	2.72	2.798	O	|	|	|	|	1.34
31.833	0.00	2.71	2.780	O	|	|	|	|	1.33
31.917	0.00	2.70	2.761	O	|	|	|	|	1.32
32.000	0.00	2.69	2.743	O	|	|	|	|	1.32
32.083	0.00	2.68	2.724	O	|	|	|	|	1.31
32.167	0.00	2.67	2.706	O	|	|	|	|	1.30
32.250	0.00	2.66	2.687	O	|	|	|	|	1.29
32.333	0.00	2.65	2.669	O	|	|	|	|	1.28
32.417	0.00	2.64	2.651	O	|	|	|	|	1.27
32.500	0.00	2.63	2.633	O	|	|	|	|	1.27
32.583	0.00	2.62	2.614	O	|	|	|	|	1.26
32.667	0.00	2.61	2.596	O	|	|	|	|	1.25
32.750	0.00	2.60	2.579	O	|	|	|	|	1.24
32.833	0.00	2.59	2.561	O	|	|	|	|	1.23
32.917	0.00	2.58	2.543	O	|	|	|	|	1.23
33.000	0.00	2.57	2.525	O	|	|	|	|	1.22
33.083	0.00	2.56	2.507	O	|	|	|	|	1.21
33.167	0.00	2.55	2.490	O	|	|	|	|	1.20
33.250	0.00	2.55	2.472	O	|	|	|	|	1.19
33.333	0.00	2.54	2.455	O	|	|	|	|	1.18
33.417	0.00	2.53	2.437	O	|	|	|	|	1.18
33.500	0.00	2.52	2.420	O	|	|	|	|	1.17
33.583	0.00	2.51	2.403	O	|	|	|	|	1.16
33.667	0.00	2.50	2.385	O	|	|	|	|	1.15
33.750	0.00	2.49	2.368	O	|	|	|	|	1.15
33.833	0.00	2.48	2.351	O	|	|	|	|	1.14
33.917	0.00	2.47	2.334	O	|	|	|	|	1.13
34.000	0.00	2.46	2.317	O	|	|	|	|	1.12

34.083	0.00	2.45	2.300	O	|	|	|	|	1.11
34.167	0.00	2.44	2.283	O	|	|	|	|	1.11
34.250	0.00	2.44	2.266	O	|	|	|	|	1.10
34.333	0.00	2.43	2.250	O	|	|	|	|	1.09
34.417	0.00	2.42	2.233	O	|	|	|	|	1.08
34.500	0.00	2.41	2.216	O	|	|	|	|	1.08
34.583	0.00	2.40	2.200	O	|	|	|	|	1.07
34.667	0.00	2.39	2.183	O	|	|	|	|	1.06
34.750	0.00	2.38	2.167	O	|	|	|	|	1.05
34.833	0.00	2.37	2.150	O	|	|	|	|	1.05
34.917	0.00	2.36	2.134	O	|	|	|	|	1.04
35.000	0.00	2.36	2.118	O	|	|	|	|	1.03
35.083	0.00	2.35	2.102	O	|	|	|	|	1.02
35.167	0.00	2.34	2.086	O	|	|	|	|	1.02
35.250	0.00	2.33	2.069	O	|	|	|	|	1.01
35.333	0.00	2.32	2.053	O	|	|	|	|	1.00
35.417	0.00	2.31	2.037	O	|	|	|	|	0.99
35.500	0.00	2.29	2.022	O	|	|	|	|	0.99
35.583	0.00	2.27	2.006	O	|	|	|	|	0.98
35.667	0.00	2.25	1.990	O	|	|	|	|	0.97
35.750	0.00	2.24	1.975	O	|	|	|	|	0.96
35.833	0.00	2.22	1.960	O	|	|	|	|	0.96
35.917	0.00	2.20	1.944	O	|	|	|	|	0.95
36.000	0.00	2.18	1.929	O	|	|	|	|	0.94
36.083	0.00	2.17	1.914	O	|	|	|	|	0.93
36.167	0.00	2.15	1.899	O	|	|	|	|	0.93
36.250	0.00	2.13	1.885	O	|	|	|	|	0.92
36.333	0.00	2.12	1.870	O	|	|	|	|	0.91
36.417	0.00	2.10	1.856	O	|	|	|	|	0.91
36.500	0.00	2.08	1.841	O	|	|	|	|	0.90
36.583	0.00	2.07	1.827	O	|	|	|	|	0.89
36.667	0.00	2.05	1.813	O	|	|	|	|	0.88
36.750	0.00	2.04	1.799	O	|	|	|	|	0.88
36.833	0.00	2.02	1.785	O	|	|	|	|	0.87
36.917	0.00	2.00	1.771	O	|	|	|	|	0.86
37.000	0.00	1.99	1.757	O	|	|	|	|	0.86
37.083	0.00	1.97	1.743	O	|	|	|	|	0.85
37.167	0.00	1.96	1.730	O	|	|	|	|	0.84
37.250	0.00	1.94	1.716	O	|	|	|	|	0.84
37.333	0.00	1.93	1.703	O	|	|	|	|	0.83
37.417	0.00	1.91	1.690	O	|	|	|	|	0.82
37.500	0.00	1.90	1.677	O	|	|	|	|	0.82
37.583	0.00	1.88	1.664	O	|	|	|	|	0.81
37.667	0.00	1.87	1.651	O	|	|	|	|	0.81
37.750	0.00	1.85	1.638	O	|	|	|	|	0.80
37.833	0.00	1.84	1.625	O	|	|	|	|	0.79
37.917	0.00	1.83	1.613	O	|	|	|	|	0.79
38.000	0.00	1.81	1.600	O	|	|	|	|	0.78
38.083	0.00	1.80	1.588	O	|	|	|	|	0.77
38.167	0.00	1.78	1.575	O	|	|	|	|	0.77
38.250	0.00	1.77	1.563	O	|	|	|	|	0.76
38.333	0.00	1.76	1.551	O	|	|	|	|	0.76
38.417	0.00	1.74	1.539	O	|	|	|	|	0.75
38.500	0.00	1.73	1.527	O	|	|	|	|	0.74
38.583	0.00	1.71	1.515	O	|	|	|	|	0.74
38.667	0.00	1.70	1.503	O	|	|	|	|	0.73
38.750	0.00	1.69	1.492	O	|	|	|	|	0.73
38.833	0.00	1.68	1.480	O	|	|	|	|	0.72
38.917	0.00	1.66	1.469	O	|	|	|	|	0.72
39.000	0.00	1.65	1.457	O	|	|	|	|	0.71
39.083	0.00	1.64	1.446	O	|	|	|	|	0.71
39.167	0.00	1.62	1.435	O	|	|	|	|	0.70
39.250	0.00	1.61	1.424	O	|	|	|	|	0.69
39.333	0.00	1.60	1.413	O	|	|	|	|	0.69
39.417	0.00	1.59	1.402	O	|	|	|	|	0.68
39.500	0.00	1.57	1.391	O	|	|	|	|	0.68
39.583	0.00	1.56	1.380	O	|	|	|	|	0.67
39.667	0.00	1.55	1.369	O	|	|	|	|	0.67

39.750	0.00	1.54	1.359	O	|	|	|	|	0.66
39.833	0.00	1.53	1.348	O	|	|	|	|	0.66
39.917	0.00	1.51	1.338	O	|	|	|	|	0.65
40.000	0.00	1.50	1.327	O	|	|	|	|	0.65
40.083	0.00	1.49	1.317	O	|	|	|	|	0.64
40.167	0.00	1.48	1.307	O	|	|	|	|	0.64
40.250	0.00	1.47	1.296	O	|	|	|	|	0.63
40.333	0.00	1.46	1.286	O	|	|	|	|	0.63
40.417	0.00	1.44	1.276	O	|	|	|	|	0.62
40.500	0.00	1.43	1.267	O	|	|	|	|	0.62
40.583	0.00	1.42	1.257	O	|	|	|	|	0.61
40.667	0.00	1.41	1.247	O	|	|	|	|	0.61
40.750	0.00	1.40	1.237	O	|	|	|	|	0.60
40.833	0.00	1.39	1.228	O	|	|	|	|	0.60
40.917	0.00	1.38	1.218	O	|	|	|	|	0.59
41.000	0.00	1.37	1.209	O	|	|	|	|	0.59
41.083	0.00	1.36	1.199	O	|	|	|	|	0.59
41.167	0.00	1.35	1.190	O	|	|	|	|	0.58
41.250	0.00	1.34	1.181	O	|	|	|	|	0.58
41.333	0.00	1.33	1.172	O	|	|	|	|	0.57
41.417	0.00	1.32	1.162	O	|	|	|	|	0.57
41.500	0.00	1.31	1.153	O	|	|	|	|	0.56
41.583	0.00	1.30	1.144	O	|	|	|	|	0.56
41.667	0.00	1.29	1.136	O	|	|	|	|	0.55
41.750	0.00	1.28	1.127	O	|	|	|	|	0.55
41.833	0.00	1.27	1.118	O	|	|	|	|	0.55
41.917	0.00	1.26	1.109	O	|	|	|	|	0.54
42.000	0.00	1.25	1.101	O	|	|	|	|	0.54
42.083	0.00	1.24	1.092	O	|	|	|	|	0.53
42.167	0.00	1.23	1.084	O	|	|	|	|	0.53
42.250	0.00	1.22	1.075	O	|	|	|	|	0.52
42.333	0.00	1.21	1.067	O	|	|	|	|	0.52
42.417	0.00	1.20	1.059	O	|	|	|	|	0.52
42.500	0.00	1.19	1.050	O	|	|	|	|	0.51
42.583	0.00	1.18	1.042	O	|	|	|	|	0.51
42.667	0.00	1.17	1.034	O	|	|	|	|	0.50
42.750	0.00	1.16	1.026	O	|	|	|	|	0.50
42.833	0.00	1.15	1.018	O	|	|	|	|	0.50
42.917	0.00	1.14	1.010	O	|	|	|	|	0.49
43.000	0.00	1.13	1.002	O	|	|	|	|	0.49
43.083	0.00	1.13	0.995	O	|	|	|	|	0.49
43.167	0.00	1.12	0.987	O	|	|	|	|	0.48
43.250	0.00	1.11	0.979	O	|	|	|	|	0.48
43.333	0.00	1.10	0.972	O	|	|	|	|	0.47
43.417	0.00	1.09	0.964	O	|	|	|	|	0.47
43.500	0.00	1.08	0.957	O	|	|	|	|	0.47
43.583	0.00	1.07	0.949	O	|	|	|	|	0.46
43.667	0.00	1.07	0.942	O	|	|	|	|	0.46
43.750	0.00	1.06	0.935	O	|	|	|	|	0.46
43.833	0.00	1.05	0.927	O	|	|	|	|	0.45
43.917	0.00	1.04	0.920	O	|	|	|	|	0.45
44.000	0.00	1.03	0.913	O	|	|	|	|	0.45
44.083	0.00	1.03	0.906	O	|	|	|	|	0.44
44.167	0.00	1.02	0.899	O	|	|	|	|	0.44
44.250	0.00	1.01	0.892	O	|	|	|	|	0.44
44.333	0.00	1.00	0.885	O	|	|	|	|	0.43
44.417	0.00	0.99	0.878	O	|	|	|	|	0.43
44.500	0.00	0.99	0.871	O	|	|	|	|	0.42
44.583	0.00	0.98	0.864	O	|	|	|	|	0.42
44.667	0.00	0.97	0.858	O	|	|	|	|	0.42
44.750	0.00	0.96	0.851	O	|	|	|	|	0.42
44.833	0.00	0.96	0.844	O	|	|	|	|	0.41
44.917	0.00	0.95	0.838	O	|	|	|	|	0.41
45.000	0.00	0.94	0.831	O	|	|	|	|	0.41
45.083	0.00	0.93	0.825	O	|	|	|	|	0.40
45.167	0.00	0.93	0.819	O	|	|	|	|	0.40
45.250	0.00	0.92	0.812	O	|	|	|	|	0.40
45.333	0.00	0.91	0.806	O	|	|	|	|	0.39

45.417	0.00	0.90	0.800	O	|	|	|	|	0.39
45.500	0.00	0.90	0.793	O	|	|	|	|	0.39
45.583	0.00	0.89	0.787	O	|	|	|	|	0.38
45.667	0.00	0.88	0.781	O	|	|	|	|	0.38
45.750	0.00	0.88	0.775	O	|	|	|	|	0.38
45.833	0.00	0.87	0.769	O	|	|	|	|	0.38
45.917	0.00	0.86	0.763	O	|	|	|	|	0.37
46.000	0.00	0.86	0.757	O	|	|	|	|	0.37
46.083	0.00	0.85	0.751	O	|	|	|	|	0.37
46.167	0.00	0.84	0.745	O	|	|	|	|	0.36
46.250	0.00	0.84	0.740	O	|	|	|	|	0.36
46.333	0.00	0.83	0.734	O	|	|	|	|	0.36
46.417	0.00	0.82	0.728	O	|	|	|	|	0.36
46.500	0.00	0.82	0.723	O	|	|	|	|	0.35
46.583	0.00	0.81	0.717	O	|	|	|	|	0.35
46.667	0.00	0.81	0.711	O	|	|	|	|	0.35
46.750	0.00	0.80	0.706	O	|	|	|	|	0.34
46.833	0.00	0.79	0.700	O	|	|	|	|	0.34
46.917	0.00	0.79	0.695	O	|	|	|	|	0.34
47.000	0.00	0.78	0.690	O	|	|	|	|	0.34
47.083	0.00	0.77	0.684	O	|	|	|	|	0.33
47.167	0.00	0.77	0.679	O	|	|	|	|	0.33
47.250	0.00	0.76	0.674	O	|	|	|	|	0.33
47.333	0.00	0.76	0.668	O	|	|	|	|	0.33
47.417	0.00	0.75	0.663	O	|	|	|	|	0.32
47.500	0.00	0.74	0.658	O	|	|	|	|	0.32
47.583	0.00	0.74	0.653	O	|	|	|	|	0.32
47.667	0.00	0.73	0.648	O	|	|	|	|	0.32
47.750	0.00	0.73	0.643	O	|	|	|	|	0.31
47.833	0.00	0.72	0.638	O	|	|	|	|	0.31
47.917	0.00	0.72	0.633	O	|	|	|	|	0.31
48.000	0.00	0.71	0.628	O	|	|	|	|	0.31
48.083	0.00	0.71	0.623	O	|	|	|	|	0.30
48.167	0.00	0.70	0.618	O	|	|	|	|	0.30
48.250	0.00	0.69	0.613	O	|	|	|	|	0.30
48.333	0.00	0.69	0.609	O	|	|	|	|	0.30
48.417	0.00	0.68	0.604	O	|	|	|	|	0.29
48.500	0.00	0.68	0.599	O	|	|	|	|	0.29
48.583	0.00	0.67	0.595	O	|	|	|	|	0.29
48.667	0.00	0.67	0.590	O	|	|	|	|	0.29
48.750	0.00	0.66	0.585	O	|	|	|	|	0.29
48.833	0.00	0.66	0.581	O	|	|	|	|	0.28
48.917	0.00	0.65	0.576	O	|	|	|	|	0.28
49.000	0.00	0.65	0.572	O	|	|	|	|	0.28
49.083	0.00	0.64	0.567	O	|	|	|	|	0.28
49.167	0.00	0.64	0.563	O	|	|	|	|	0.27
49.250	0.00	0.63	0.559	O	|	|	|	|	0.27
49.333	0.00	0.63	0.554	O	|	|	|	|	0.27
49.417	0.00	0.62	0.550	O	|	|	|	|	0.27
49.500	0.00	0.62	0.546	O	|	|	|	|	0.27
49.583	0.00	0.61	0.542	O	|	|	|	|	0.26
49.667	0.00	0.61	0.537	O	|	|	|	|	0.26
49.750	0.00	0.60	0.533	O	|	|	|	|	0.26
49.833	0.00	0.60	0.529	O	|	|	|	|	0.26
49.917	0.00	0.59	0.525	O	|	|	|	|	0.26
50.000	0.00	0.59	0.521	O	|	|	|	|	0.25
50.083	0.00	0.58	0.517	O	|	|	|	|	0.25
50.167	0.00	0.58	0.513	O	|	|	|	|	0.25
50.250	0.00	0.58	0.509	O	|	|	|	|	0.25
50.333	0.00	0.57	0.505	O	|	|	|	|	0.25
50.417	0.00	0.57	0.501	O	|	|	|	|	0.24
50.500	0.00	0.56	0.497	O	|	|	|	|	0.24
50.583	0.00	0.56	0.493	O	|	|	|	|	0.24
50.667	0.00	0.55	0.489	O	|	|	|	|	0.24
50.750	0.00	0.55	0.486	O	|	|	|	|	0.24
50.833	0.00	0.55	0.482	O	|	|	|	|	0.24
50.917	0.00	0.54	0.478	O	|	|	|	|	0.23
51.000	0.00	0.54	0.474	O	|	|	|	|	0.23

51.083	0.00	0.53	0.471	O	|	|	|	|	0.23
51.167	0.00	0.53	0.467	O	|	|	|	|	0.23
51.250	0.00	0.52	0.463	O	|	|	|	|	0.23
51.333	0.00	0.52	0.460	O	|	|	|	|	0.22
51.417	0.00	0.52	0.456	O	|	|	|	|	0.22
51.500	0.00	0.51	0.453	O	|	|	|	|	0.22
51.583	0.00	0.51	0.449	O	|	|	|	|	0.22
51.667	0.00	0.50	0.446	O	|	|	|	|	0.22
51.750	0.00	0.50	0.442	O	|	|	|	|	0.22
51.833	0.00	0.50	0.439	O	|	|	|	|	0.21
51.917	0.00	0.49	0.435	O	|	|	|	|	0.21
52.000	0.00	0.49	0.432	O	|	|	|	|	0.21
52.083	0.00	0.49	0.429	O	|	|	|	|	0.21
52.167	0.00	0.48	0.425	O	|	|	|	|	0.21
52.250	0.00	0.48	0.422	O	|	|	|	|	0.21
52.333	0.00	0.47	0.419	O	|	|	|	|	0.20
52.417	0.00	0.47	0.415	O	|	|	|	|	0.20
52.500	0.00	0.47	0.412	O	|	|	|	|	0.20
52.583	0.00	0.46	0.409	O	|	|	|	|	0.20
52.667	0.00	0.46	0.406	O	|	|	|	|	0.20
52.750	0.00	0.46	0.403	O	|	|	|	|	0.20
52.833	0.00	0.45	0.400	O	|	|	|	|	0.19
52.917	0.00	0.45	0.397	O	|	|	|	|	0.19
53.000	0.00	0.45	0.393	O	|	|	|	|	0.19
53.083	0.00	0.44	0.390	O	|	|	|	|	0.19
53.167	0.00	0.44	0.387	O	|	|	|	|	0.19
53.250	0.00	0.43	0.384	O	|	|	|	|	0.19
53.333	0.00	0.43	0.381	O	|	|	|	|	0.19
53.417	0.00	0.43	0.378	O	|	|	|	|	0.18
53.500	0.00	0.42	0.375	O	|	|	|	|	0.18
53.583	0.00	0.42	0.373	O	|	|	|	|	0.18
53.667	0.00	0.42	0.370	O	|	|	|	|	0.18
53.750	0.00	0.42	0.367	O	|	|	|	|	0.18
53.833	0.00	0.41	0.364	O	|	|	|	|	0.18
53.917	0.00	0.41	0.361	O	|	|	|	|	0.18
54.000	0.00	0.41	0.358	O	|	|	|	|	0.17
54.083	0.00	0.40	0.356	O	|	|	|	|	0.17
54.167	0.00	0.40	0.353	O	|	|	|	|	0.17
54.250	0.00	0.40	0.350	O	|	|	|	|	0.17
54.333	0.00	0.39	0.347	O	|	|	|	|	0.17
54.417	0.00	0.39	0.345	O	|	|	|	|	0.17
54.500	0.00	0.39	0.342	O	|	|	|	|	0.17
54.583	0.00	0.38	0.339	O	|	|	|	|	0.17
54.667	0.00	0.38	0.337	O	|	|	|	|	0.16
54.750	0.00	0.38	0.334	O	|	|	|	|	0.16
54.833	0.00	0.38	0.331	O	|	|	|	|	0.16
54.917	0.00	0.37	0.329	O	|	|	|	|	0.16
55.000	0.00	0.37	0.326	O	|	|	|	|	0.16
55.083	0.00	0.37	0.324	O	|	|	|	|	0.16
55.167	0.00	0.36	0.321	O	|	|	|	|	0.16
55.250	0.00	0.36	0.319	O	|	|	|	|	0.16
55.333	0.00	0.36	0.316	O	|	|	|	|	0.15
55.417	0.00	0.36	0.314	O	|	|	|	|	0.15
55.500	0.00	0.35	0.311	O	|	|	|	|	0.15
55.583	0.00	0.35	0.309	O	|	|	|	|	0.15
55.667	0.00	0.35	0.307	O	|	|	|	|	0.15
55.750	0.00	0.34	0.304	O	|	|	|	|	0.15
55.833	0.00	0.34	0.302	O	|	|	|	|	0.15
55.917	0.00	0.34	0.299	O	|	|	|	|	0.15
56.000	0.00	0.34	0.297	O	|	|	|	|	0.14
56.083	0.00	0.33	0.295	O	|	|	|	|	0.14
56.167	0.00	0.33	0.293	O	|	|	|	|	0.14
56.250	0.00	0.33	0.290	O	|	|	|	|	0.14
56.333	0.00	0.33	0.288	O	|	|	|	|	0.14
56.417	0.00	0.32	0.286	O	|	|	|	|	0.14
56.500	0.00	0.32	0.284	O	|	|	|	|	0.14
56.583	0.00	0.32	0.281	O	|	|	|	|	0.14
56.667	0.00	0.32	0.279	O	|	|	|	|	0.14

56.750	0.00	0.31	0.277	O	|	|	|	|	0.14
56.833	0.00	0.31	0.275	O	|	|	|	|	0.13
56.917	0.00	0.31	0.273	O	|	|	|	|	0.13
57.000	0.00	0.31	0.271	O	|	|	|	|	0.13
57.083	0.00	0.30	0.269	O	|	|	|	|	0.13
57.167	0.00	0.30	0.266	O	|	|	|	|	0.13
57.250	0.00	0.30	0.264	O	|	|	|	|	0.13
57.333	0.00	0.30	0.262	O	|	|	|	|	0.13
57.417	0.00	0.29	0.260	O	|	|	|	|	0.13
57.500	0.00	0.29	0.258	O	|	|	|	|	0.13
57.583	0.00	0.29	0.256	O	|	|	|	|	0.13
57.667	0.00	0.29	0.254	O	|	|	|	|	0.12
57.750	0.00	0.29	0.252	O	|	|	|	|	0.12
57.833	0.00	0.28	0.250	O	|	|	|	|	0.12
57.917	0.00	0.28	0.248	O	|	|	|	|	0.12
58.000	0.00	0.28	0.246	O	|	|	|	|	0.12
58.083	0.00	0.28	0.245	O	|	|	|	|	0.12
58.167	0.00	0.27	0.243	O	|	|	|	|	0.12
58.250	0.00	0.27	0.241	O	|	|	|	|	0.12
58.333	0.00	0.27	0.239	O	|	|	|	|	0.12
58.417	0.00	0.27	0.237	O	|	|	|	|	0.12
58.500	0.00	0.27	0.235	O	|	|	|	|	0.11
58.583	0.00	0.26	0.233	O	|	|	|	|	0.11
58.667	0.00	0.26	0.232	O	|	|	|	|	0.11
58.750	0.00	0.26	0.230	O	|	|	|	|	0.11
58.833	0.00	0.26	0.228	O	|	|	|	|	0.11
58.917	0.00	0.26	0.226	O	|	|	|	|	0.11
59.000	0.00	0.25	0.224	O	|	|	|	|	0.11
59.083	0.00	0.25	0.223	O	|	|	|	|	0.11
59.167	0.00	0.25	0.221	O	|	|	|	|	0.11
59.250	0.00	0.25	0.219	O	|	|	|	|	0.11
59.333	0.00	0.25	0.218	O	|	|	|	|	0.11
59.417	0.00	0.24	0.216	O	|	|	|	|	0.11
59.500	0.00	0.24	0.214	O	|	|	|	|	0.10
59.583	0.00	0.24	0.213	O	|	|	|	|	0.10
59.667	0.00	0.24	0.211	O	|	|	|	|	0.10
59.750	0.00	0.24	0.209	O	|	|	|	|	0.10
59.833	0.00	0.23	0.208	O	|	|	|	|	0.10
59.917	0.00	0.23	0.206	O	|	|	|	|	0.10
60.000	0.00	0.23	0.204	O	|	|	|	|	0.10
60.083	0.00	0.23	0.203	O	|	|	|	|	0.10
60.167	0.00	0.23	0.201	O	|	|	|	|	0.10
60.250	0.00	0.23	0.200	O	|	|	|	|	0.10
60.333	0.00	0.22	0.198	O	|	|	|	|	0.10
60.417	0.00	0.22	0.197	O	|	|	|	|	0.10
60.500	0.00	0.22	0.195	O	|	|	|	|	0.10
60.583	0.00	0.22	0.194	O	|	|	|	|	0.09
60.667	0.00	0.22	0.192	O	|	|	|	|	0.09
60.750	0.00	0.22	0.191	O	|	|	|	|	0.09
60.833	0.00	0.21	0.189	O	|	|	|	|	0.09
60.917	0.00	0.21	0.188	O	|	|	|	|	0.09
61.000	0.00	0.21	0.186	O	|	|	|	|	0.09
61.083	0.00	0.21	0.185	O	|	|	|	|	0.09
61.167	0.00	0.21	0.183	O	|	|	|	|	0.09
61.250	0.00	0.21	0.182	O	|	|	|	|	0.09
61.333	0.00	0.20	0.180	O	|	|	|	|	0.09
61.417	0.00	0.20	0.179	O	|	|	|	|	0.09
61.500	0.00	0.20	0.178	O	|	|	|	|	0.09
61.583	0.00	0.20	0.176	O	|	|	|	|	0.09
61.667	0.00	0.20	0.175	O	|	|	|	|	0.09
61.750	0.00	0.20	0.174	O	|	|	|	|	0.08
61.833	0.00	0.19	0.172	O	|	|	|	|	0.08
61.917	0.00	0.19	0.171	O	|	|	|	|	0.08
62.000	0.00	0.19	0.170	O	|	|	|	|	0.08
62.083	0.00	0.19	0.168	O	|	|	|	|	0.08
62.167	0.00	0.19	0.167	O	|	|	|	|	0.08
62.250	0.00	0.19	0.166	O	|	|	|	|	0.08
62.333	0.00	0.19	0.164	O	|	|	|	|	0.08

62.417	0.00	0.18	0.163	O	|	|	|	|	0.08
62.500	0.00	0.18	0.162	O	|	|	|	|	0.08
62.583	0.00	0.18	0.161	O	|	|	|	|	0.08
62.667	0.00	0.18	0.159	O	|	|	|	|	0.08
62.750	0.00	0.18	0.158	O	|	|	|	|	0.08
62.833	0.00	0.18	0.157	O	|	|	|	|	0.08
62.917	0.00	0.18	0.156	O	|	|	|	|	0.08
63.000	0.00	0.17	0.154	O	|	|	|	|	0.08
63.083	0.00	0.17	0.153	O	|	|	|	|	0.07
63.167	0.00	0.17	0.152	O	|	|	|	|	0.07
63.250	0.00	0.17	0.151	O	|	|	|	|	0.07
63.333	0.00	0.17	0.150	O	|	|	|	|	0.07
63.417	0.00	0.17	0.149	O	|	|	|	|	0.07
63.500	0.00	0.17	0.147	O	|	|	|	|	0.07
63.583	0.00	0.17	0.146	O	|	|	|	|	0.07
63.667	0.00	0.16	0.145	O	|	|	|	|	0.07
63.750	0.00	0.16	0.144	O	|	|	|	|	0.07
63.833	0.00	0.16	0.143	O	|	|	|	|	0.07
63.917	0.00	0.16	0.142	O	|	|	|	|	0.07
64.000	0.00	0.16	0.141	O	|	|	|	|	0.07
64.083	0.00	0.16	0.140	O	|	|	|	|	0.07
64.167	0.00	0.16	0.138	O	|	|	|	|	0.07
64.250	0.00	0.16	0.137	O	|	|	|	|	0.07
64.333	0.00	0.15	0.136	O	|	|	|	|	0.07
64.417	0.00	0.15	0.135	O	|	|	|	|	0.07
64.500	0.00	0.15	0.134	O	|	|	|	|	0.07
64.583	0.00	0.15	0.133	O	|	|	|	|	0.06
64.667	0.00	0.15	0.132	O	|	|	|	|	0.06
64.750	0.00	0.15	0.131	O	|	|	|	|	0.06
64.833	0.00	0.15	0.130	O	|	|	|	|	0.06
64.917	0.00	0.15	0.129	O	|	|	|	|	0.06
65.000	0.00	0.14	0.128	O	|	|	|	|	0.06
65.083	0.00	0.14	0.127	O	|	|	|	|	0.06
65.167	0.00	0.14	0.126	O	|	|	|	|	0.06
65.250	0.00	0.14	0.125	O	|	|	|	|	0.06
65.333	0.00	0.14	0.124	O	|	|	|	|	0.06
65.417	0.00	0.14	0.123	O	|	|	|	|	0.06
65.500	0.00	0.14	0.122	O	|	|	|	|	0.06
65.583	0.00	0.14	0.121	O	|	|	|	|	0.06
65.667	0.00	0.14	0.120	O	|	|	|	|	0.06
65.750	0.00	0.14	0.119	O	|	|	|	|	0.06
65.833	0.00	0.13	0.118	O	|	|	|	|	0.06
65.917	0.00	0.13	0.118	O	|	|	|	|	0.06
66.000	0.00	0.13	0.117	O	|	|	|	|	0.06
66.083	0.00	0.13	0.116	O	|	|	|	|	0.06
66.167	0.00	0.13	0.115	O	|	|	|	|	0.06
66.250	0.00	0.13	0.114	O	|	|	|	|	0.06
66.333	0.00	0.13	0.113	O	|	|	|	|	0.06
66.417	0.00	0.13	0.112	O	|	|	|	|	0.05
66.500	0.00	0.13	0.111	O	|	|	|	|	0.05
66.583	0.00	0.12	0.110	O	|	|	|	|	0.05
66.667	0.00	0.12	0.110	O	|	|	|	|	0.05
66.750	0.00	0.12	0.109	O	|	|	|	|	0.05
66.833	0.00	0.12	0.108	O	|	|	|	|	0.05
66.917	0.00	0.12	0.107	O	|	|	|	|	0.05
67.000	0.00	0.12	0.106	O	|	|	|	|	0.05
67.083	0.00	0.12	0.105	O	|	|	|	|	0.05
67.167	0.00	0.12	0.105	O	|	|	|	|	0.05
67.250	0.00	0.12	0.104	O	|	|	|	|	0.05
67.333	0.00	0.12	0.103	O	|	|	|	|	0.05
67.417	0.00	0.12	0.102	O	|	|	|	|	0.05
67.500	0.00	0.11	0.101	O	|	|	|	|	0.05
67.583	0.00	0.11	0.101	O	|	|	|	|	0.05
67.667	0.00	0.11	0.100	O	|	|	|	|	0.05
67.750	0.00	0.11	0.099	O	|	|	|	|	0.05
67.833	0.00	0.11	0.098	O	|	|	|	|	0.05
67.917	0.00	0.11	0.097	O	|	|	|	|	0.05
68.000	0.00	0.11	0.097	O	|	|	|	|	0.05

68.083	0.00	0.11	0.096	O	|	|	|	|	0.05
68.167	0.00	0.11	0.095	O	|	|	|	|	0.05
68.250	0.00	0.11	0.094	O	|	|	|	|	0.05
68.333	0.00	0.11	0.094	O	|	|	|	|	0.05
68.417	0.00	0.11	0.093	O	|	|	|	|	0.05
68.500	0.00	0.10	0.092	O	|	|	|	|	0.05
68.583	0.00	0.10	0.092	O	|	|	|	|	0.04
68.667	0.00	0.10	0.091	O	|	|	|	|	0.04
68.750	0.00	0.10	0.090	O	|	|	|	|	0.04
68.833	0.00	0.10	0.089	O	|	|	|	|	0.04
68.917	0.00	0.10	0.089	O	|	|	|	|	0.04
69.000	0.00	0.10	0.088	O	|	|	|	|	0.04
69.083	0.00	0.10	0.087	O	|	|	|	|	0.04
69.167	0.00	0.10	0.087	O	|	|	|	|	0.04
69.250	0.00	0.10	0.086	O	|	|	|	|	0.04
69.333	0.00	0.10	0.085	O	|	|	|	|	0.04
69.417	0.00	0.10	0.085	O	|	|	|	|	0.04
69.500	0.00	0.10	0.084	O	|	|	|	|	0.04
69.583	0.00	0.09	0.083	O	|	|	|	|	0.04
69.667	0.00	0.09	0.083	O	|	|	|	|	0.04
69.750	0.00	0.09	0.082	O	|	|	|	|	0.04
69.833	0.00	0.09	0.081	O	|	|	|	|	0.04
69.917	0.00	0.09	0.081	O	|	|	|	|	0.04
70.000	0.00	0.09	0.080	O	|	|	|	|	0.04
70.083	0.00	0.09	0.080	O	|	|	|	|	0.04
70.167	0.00	0.09	0.079	O	|	|	|	|	0.04
70.250	0.00	0.09	0.078	O	|	|	|	|	0.04
70.333	0.00	0.09	0.078	O	|	|	|	|	0.04
70.417	0.00	0.09	0.077	O	|	|	|	|	0.04
70.500	0.00	0.09	0.077	O	|	|	|	|	0.04
70.583	0.00	0.09	0.076	O	|	|	|	|	0.04
70.667	0.00	0.09	0.075	O	|	|	|	|	0.04
70.750	0.00	0.08	0.075	O	|	|	|	|	0.04
70.833	0.00	0.08	0.074	O	|	|	|	|	0.04
70.917	0.00	0.08	0.074	O	|	|	|	|	0.04
71.000	0.00	0.08	0.073	O	|	|	|	|	0.04
71.083	0.00	0.08	0.072	O	|	|	|	|	0.04
71.167	0.00	0.08	0.072	O	|	|	|	|	0.04
71.250	0.00	0.08	0.071	O	|	|	|	|	0.03
71.333	0.00	0.08	0.071	O	|	|	|	|	0.03
71.417	0.00	0.08	0.070	O	|	|	|	|	0.03
71.500	0.00	0.08	0.070	O	|	|	|	|	0.03
71.583	0.00	0.08	0.069	O	|	|	|	|	0.03
71.667	0.00	0.08	0.069	O	|	|	|	|	0.03
71.750	0.00	0.08	0.068	O	|	|	|	|	0.03
71.833	0.00	0.08	0.068	O	|	|	|	|	0.03
71.917	0.00	0.08	0.067	O	|	|	|	|	0.03
72.000	0.00	0.08	0.067	O	|	|	|	|	0.03
72.083	0.00	0.07	0.066	O	|	|	|	|	0.03
72.167	0.00	0.07	0.066	O	|	|	|	|	0.03
72.250	0.00	0.07	0.065	O	|	|	|	|	0.03
72.333	0.00	0.07	0.064	O	|	|	|	|	0.03
72.417	0.00	0.07	0.064	O	|	|	|	|	0.03
72.500	0.00	0.07	0.064	O	|	|	|	|	0.03
72.583	0.00	0.07	0.063	O	|	|	|	|	0.03
72.667	0.00	0.07	0.063	O	|	|	|	|	0.03
72.750	0.00	0.07	0.062	O	|	|	|	|	0.03
72.833	0.00	0.07	0.062	O	|	|	|	|	0.03
72.917	0.00	0.07	0.061	O	|	|	|	|	0.03
73.000	0.00	0.07	0.061	O	|	|	|	|	0.03
73.083	0.00	0.07	0.060	O	|	|	|	|	0.03
73.167	0.00	0.07	0.060	O	|	|	|	|	0.03
73.250	0.00	0.07	0.059	O	|	|	|	|	0.03
73.333	0.00	0.07	0.059	O	|	|	|	|	0.03
73.417	0.00	0.07	0.058	O	|	|	|	|	0.03
73.500	0.00	0.07	0.058	O	|	|	|	|	0.03
73.583	0.00	0.06	0.057	O	|	|	|	|	0.03
73.667	0.00	0.06	0.057	O	|	|	|	|	0.03

73.750	0.00	0.06	0.056	O	|	|	|	|	0.03
73.833	0.00	0.06	0.056	O	|	|	|	|	0.03
73.917	0.00	0.06	0.056	O	|	|	|	|	0.03
74.000	0.00	0.06	0.055	O	|	|	|	|	0.03
74.083	0.00	0.06	0.055	O	|	|	|	|	0.03
74.167	0.00	0.06	0.054	O	|	|	|	|	0.03
74.250	0.00	0.06	0.054	O	|	|	|	|	0.03
74.333	0.00	0.06	0.053	O	|	|	|	|	0.03
74.417	0.00	0.06	0.053	O	|	|	|	|	0.03
74.500	0.00	0.06	0.053	O	|	|	|	|	0.03
74.583	0.00	0.06	0.052	O	|	|	|	|	0.03
74.667	0.00	0.06	0.052	O	|	|	|	|	0.03
74.750	0.00	0.06	0.051	O	|	|	|	|	0.03
74.833	0.00	0.06	0.051	O	|	|	|	|	0.02
74.917	0.00	0.06	0.051	O	|	|	|	|	0.02
75.000	0.00	0.06	0.050	O	|	|	|	|	0.02
75.083	0.00	0.06	0.050	O	|	|	|	|	0.02
75.167	0.00	0.06	0.049	O	|	|	|	|	0.02
75.250	0.00	0.06	0.049	O	|	|	|	|	0.02
75.333	0.00	0.06	0.049	O	|	|	|	|	0.02
75.417	0.00	0.05	0.048	O	|	|	|	|	0.02
75.500	0.00	0.05	0.048	O	|	|	|	|	0.02
75.583	0.00	0.05	0.048	O	|	|	|	|	0.02
75.667	0.00	0.05	0.047	O	|	|	|	|	0.02
75.750	0.00	0.05	0.047	O	|	|	|	|	0.02
75.833	0.00	0.05	0.046	O	|	|	|	|	0.02
75.917	0.00	0.05	0.046	O	|	|	|	|	0.02
76.000	0.00	0.05	0.046	O	|	|	|	|	0.02
76.083	0.00	0.05	0.045	O	|	|	|	|	0.02
76.167	0.00	0.05	0.045	O	|	|	|	|	0.02
76.250	0.00	0.05	0.045	O	|	|	|	|	0.02
76.333	0.00	0.05	0.044	O	|	|	|	|	0.02
76.417	0.00	0.05	0.044	O	|	|	|	|	0.02
76.500	0.00	0.05	0.044	O	|	|	|	|	0.02
76.583	0.00	0.05	0.043	O	|	|	|	|	0.02
76.667	0.00	0.05	0.043	O	|	|	|	|	0.02
76.750	0.00	0.05	0.043	O	|	|	|	|	0.02
76.833	0.00	0.05	0.042	O	|	|	|	|	0.02
76.917	0.00	0.05	0.042	O	|	|	|	|	0.02
77.000	0.00	0.05	0.042	O	|	|	|	|	0.02
77.083	0.00	0.05	0.041	O	|	|	|	|	0.02
77.167	0.00	0.05	0.041	O	|	|	|	|	0.02
77.250	0.00	0.05	0.041	O	|	|	|	|	0.02
77.333	0.00	0.05	0.040	O	|	|	|	|	0.02
77.417	0.00	0.05	0.040	O	|	|	|	|	0.02
77.500	0.00	0.05	0.040	O	|	|	|	|	0.02
77.583	0.00	0.04	0.039	O	|	|	|	|	0.02
77.667	0.00	0.04	0.039	O	|	|	|	|	0.02
77.750	0.00	0.04	0.039	O	|	|	|	|	0.02
77.833	0.00	0.04	0.039	O	|	|	|	|	0.02
77.917	0.00	0.04	0.038	O	|	|	|	|	0.02
78.000	0.00	0.04	0.038	O	|	|	|	|	0.02
78.083	0.00	0.04	0.038	O	|	|	|	|	0.02
78.167	0.00	0.04	0.037	O	|	|	|	|	0.02
78.250	0.00	0.04	0.037	O	|	|	|	|	0.02
78.333	0.00	0.04	0.037	O	|	|	|	|	0.02
78.417	0.00	0.04	0.037	O	|	|	|	|	0.02
78.500	0.00	0.04	0.036	O	|	|	|	|	0.02
78.583	0.00	0.04	0.036	O	|	|	|	|	0.02
78.667	0.00	0.04	0.036	O	|	|	|	|	0.02
78.750	0.00	0.04	0.035	O	|	|	|	|	0.02
78.833	0.00	0.04	0.035	O	|	|	|	|	0.02
78.917	0.00	0.04	0.035	O	|	|	|	|	0.02
79.000	0.00	0.04	0.035	O	|	|	|	|	0.02
79.083	0.00	0.04	0.034	O	|	|	|	|	0.02
79.167	0.00	0.04	0.034	O	|	|	|	|	0.02
79.250	0.00	0.04	0.034	O	|	|	|	|	0.02
79.333	0.00	0.04	0.034	O	|	|	|	|	0.02

79.417	0.00	0.04	0.033	O	|	|	|	|	0.02
79.500	0.00	0.04	0.033	O	|	|	|	|	0.02
79.583	0.00	0.04	0.033	O	|	|	|	|	0.02
79.667	0.00	0.04	0.032	O	|	|	|	|	0.02
79.750	0.00	0.04	0.032	O	|	|	|	|	0.02
79.833	0.00	0.04	0.032	O	|	|	|	|	0.02
79.917	0.00	0.04	0.032	O	|	|	|	|	0.02
80.000	0.00	0.04	0.031	O	|	|	|	|	0.02
80.083	0.00	0.04	0.031	O	|	|	|	|	0.02
80.167	0.00	0.04	0.031	O	|	|	|	|	0.02
80.250	0.00	0.03	0.031	O	|	|	|	|	0.02
80.333	0.00	0.03	0.031	O	|	|	|	|	0.01
80.417	0.00	0.03	0.030	O	|	|	|	|	0.01
80.500	0.00	0.03	0.030	O	|	|	|	|	0.01
80.583	0.00	0.03	0.030	O	|	|	|	|	0.01
80.667	0.00	0.03	0.030	O	|	|	|	|	0.01
80.750	0.00	0.03	0.029	O	|	|	|	|	0.01
80.833	0.00	0.03	0.029	O	|	|	|	|	0.01
80.917	0.00	0.03	0.029	O	|	|	|	|	0.01
81.000	0.00	0.03	0.029	O	|	|	|	|	0.01
81.083	0.00	0.03	0.028	O	|	|	|	|	0.01
81.167	0.00	0.03	0.028	O	|	|	|	|	0.01
81.250	0.00	0.03	0.028	O	|	|	|	|	0.01
81.333	0.00	0.03	0.028	O	|	|	|	|	0.01
81.417	0.00	0.03	0.028	O	|	|	|	|	0.01
81.500	0.00	0.03	0.027	O	|	|	|	|	0.01
81.583	0.00	0.03	0.027	O	|	|	|	|	0.01
81.667	0.00	0.03	0.027	O	|	|	|	|	0.01
81.750	0.00	0.03	0.027	O	|	|	|	|	0.01
81.833	0.00	0.03	0.027	O	|	|	|	|	0.01
81.917	0.00	0.03	0.026	O	|	|	|	|	0.01
82.000	0.00	0.03	0.026	O	|	|	|	|	0.01
82.083	0.00	0.03	0.026	O	|	|	|	|	0.01
82.167	0.00	0.03	0.026	O	|	|	|	|	0.01
82.250	0.00	0.03	0.026	O	|	|	|	|	0.01
82.333	0.00	0.03	0.025	O	|	|	|	|	0.01
82.417	0.00	0.03	0.025	O	|	|	|	|	0.01
82.500	0.00	0.03	0.025	O	|	|	|	|	0.01
82.583	0.00	0.03	0.025	O	|	|	|	|	0.01
82.667	0.00	0.03	0.025	O	|	|	|	|	0.01
82.750	0.00	0.03	0.024	O	|	|	|	|	0.01
82.833	0.00	0.03	0.024	O	|	|	|	|	0.01
82.917	0.00	0.03	0.024	O	|	|	|	|	0.01
83.000	0.00	0.03	0.024	O	|	|	|	|	0.01
83.083	0.00	0.03	0.024	O	|	|	|	|	0.01
83.167	0.00	0.03	0.023	O	|	|	|	|	0.01
83.250	0.00	0.03	0.023	O	|	|	|	|	0.01
83.333	0.00	0.03	0.023	O	|	|	|	|	0.01
83.417	0.00	0.03	0.023	O	|	|	|	|	0.01
83.500	0.00	0.03	0.023	O	|	|	|	|	0.01
83.583	0.00	0.03	0.023	O	|	|	|	|	0.01
83.667	0.00	0.03	0.022	O	|	|	|	|	0.01
83.750	0.00	0.03	0.022	O	|	|	|	|	0.01
83.833	0.00	0.02	0.022	O	|	|	|	|	0.01
83.917	0.00	0.02	0.022	O	|	|	|	|	0.01
84.000	0.00	0.02	0.022	O	|	|	|	|	0.01
84.083	0.00	0.02	0.021	O	|	|	|	|	0.01
84.167	0.00	0.02	0.021	O	|	|	|	|	0.01
84.250	0.00	0.02	0.021	O	|	|	|	|	0.01
84.333	0.00	0.02	0.021	O	|	|	|	|	0.01
84.417	0.00	0.02	0.021	O	|	|	|	|	0.01
84.500	0.00	0.02	0.021	O	|	|	|	|	0.01
84.583	0.00	0.02	0.021	O	|	|	|	|	0.01
84.667	0.00	0.02	0.020	O	|	|	|	|	0.01
84.750	0.00	0.02	0.020	O	|	|	|	|	0.01
84.833	0.00	0.02	0.020	O	|	|	|	|	0.01
84.917	0.00	0.02	0.020	O	|	|	|	|	0.01
85.000	0.00	0.02	0.020	O	|	|	|	|	0.01

85.083	0.00	0.02	0.020	O					0.01
85.167	0.00	0.02	0.019	O					0.01
85.250	0.00	0.02	0.019	O					0.01
85.333	0.00	0.02	0.019	O					0.01
85.417	0.00	0.02	0.019	O					0.01
85.500	0.00	0.02	0.019	O					0.01
85.583	0.00	0.02	0.019	O					0.01
85.667	0.00	0.02	0.019	O					0.01
85.750	0.00	0.02	0.018	O					0.01
85.833	0.00	0.02	0.018	O					0.01
85.917	0.00	0.02	0.018	O					0.01
86.000	0.00	0.02	0.018	O					0.01
86.083	0.00	0.02	0.018	O					0.01
86.167	0.00	0.02	0.018	O					0.01
86.250	0.00	0.02	0.018	O					0.01
86.333	0.00	0.02	0.017	O					0.01
86.417	0.00	0.02	0.017	O					0.01
86.500	0.00	0.02	0.017	O					0.01
86.583	0.00	0.02	0.017	O					0.01
86.667	0.00	0.02	0.017	O					0.01
86.750	0.00	0.02	0.017	O					0.01
86.833	0.00	0.02	0.017	O					0.01
86.917	0.00	0.02	0.016	O					0.01
87.000	0.00	0.02	0.016	O					0.01
87.083	0.00	0.02	0.016	O					0.01
87.167	0.00	0.02	0.016	O					0.01
87.250	0.00	0.02	0.016	O					0.01
87.333	0.00	0.02	0.016	O					0.01
87.417	0.00	0.02	0.016	O					0.01
87.500	0.00	0.02	0.016	O					0.01
87.583	0.00	0.02	0.015	O					0.01
87.667	0.00	0.02	0.015	O					0.01
87.750	0.00	0.02	0.015	O					0.01
87.833	0.00	0.02	0.015	O					0.01
87.917	0.00	0.02	0.015	O					0.01
88.000	0.00	0.02	0.015	O					0.01
88.083	0.00	0.02	0.015	O					0.01
88.167	0.00	0.02	0.015	O					0.01
88.250	0.00	0.02	0.015	O					0.01
88.333	0.00	0.02	0.014	O					0.01
88.417	0.00	0.02	0.014	O					0.01
88.500	0.00	0.02	0.014	O					0.01
88.583	0.00	0.02	0.014	O					0.01
88.667	0.00	0.02	0.014	O					0.01
88.750	0.00	0.02	0.014	O					0.01
88.833	0.00	0.02	0.014	O					0.01
88.917	0.00	0.02	0.014	O					0.01
89.000	0.00	0.02	0.014	O					0.01
89.083	0.00	0.02	0.013	O					0.01
89.167	0.00	0.02	0.013	O					0.01
89.250	0.00	0.02	0.013	O					0.01
89.333	0.00	0.01	0.013	O					0.01
89.417	0.00	0.01	0.013	O					0.01
89.500	0.00	0.01	0.013	O					0.01
89.583	0.00	0.01	0.013	O					0.01
89.667	0.00	0.01	0.013	O					0.01
89.750	0.00	0.01	0.013	O					0.01
89.833	0.00	0.01	0.013	O					0.01
89.917	0.00	0.01	0.012	O					0.01
90.000	0.00	0.01	0.012	O					0.01
90.083	0.00	0.01	0.012	O					0.01
90.167	0.00	0.01	0.012	O					0.01
90.250	0.00	0.01	0.012	O					0.01
90.333	0.00	0.01	0.012	O					0.01
90.417	0.00	0.01	0.012	O					0.01
90.500	0.00	0.01	0.012	O					0.01
90.583	0.00	0.01	0.012	O					0.01
90.667	0.00	0.01	0.012	O					0.01

90.750	0.00	0.01	0.012	O	|	|	|	|	0.01
90.833	0.00	0.01	0.011	O	|	|	|	|	0.01
90.917	0.00	0.01	0.011	O	|	|	|	|	0.01
91.000	0.00	0.01	0.011	O	|	|	|	|	0.01
91.083	0.00	0.01	0.011	O	|	|	|	|	0.01
91.167	0.00	0.01	0.011	O	|	|	|	|	0.01
91.250	0.00	0.01	0.011	O	|	|	|	|	0.01
91.333	0.00	0.01	0.011	O	|	|	|	|	0.01
91.417	0.00	0.01	0.011	O	|	|	|	|	0.01
91.500	0.00	0.01	0.011	O	|	|	|	|	0.01
91.583	0.00	0.01	0.011	O	|	|	|	|	0.01
91.667	0.00	0.01	0.011	O	|	|	|	|	0.01
91.750	0.00	0.01	0.010	O	|	|	|	|	0.01
91.833	0.00	0.01	0.010	O	|	|	|	|	0.01
91.917	0.00	0.01	0.010	O	|	|	|	|	0.01
92.000	0.00	0.01	0.010	O	|	|	|	|	0.00
92.083	0.00	0.01	0.010	O	|	|	|	|	0.00
92.167	0.00	0.01	0.010	O	|	|	|	|	0.00
92.250	0.00	0.01	0.010	O	|	|	|	|	0.00
92.333	0.00	0.01	0.010	O	|	|	|	|	0.00
92.417	0.00	0.01	0.010	O	|	|	|	|	0.00
92.500	0.00	0.01	0.010	O	|	|	|	|	0.00
92.583	0.00	0.01	0.010	O	|	|	|	|	0.00
92.667	0.00	0.01	0.010	O	|	|	|	|	0.00
92.750	0.00	0.01	0.010	O	|	|	|	|	0.00
92.833	0.00	0.01	0.009	O	|	|	|	|	0.00
92.917	0.00	0.01	0.009	O	|	|	|	|	0.00
93.000	0.00	0.01	0.009	O	|	|	|	|	0.00
93.083	0.00	0.01	0.009	O	|	|	|	|	0.00
93.167	0.00	0.01	0.009	O	|	|	|	|	0.00
93.250	0.00	0.01	0.009	O	|	|	|	|	0.00
93.333	0.00	0.01	0.009	O	|	|	|	|	0.00
93.417	0.00	0.01	0.009	O	|	|	|	|	0.00
93.500	0.00	0.01	0.009	O	|	|	|	|	0.00
93.583	0.00	0.01	0.009	O	|	|	|	|	0.00
93.667	0.00	0.01	0.009	O	|	|	|	|	0.00
93.750	0.00	0.01	0.009	O	|	|	|	|	0.00
93.833	0.00	0.01	0.009	O	|	|	|	|	0.00
93.917	0.00	0.01	0.009	O	|	|	|	|	0.00
94.000	0.00	0.01	0.009	O	|	|	|	|	0.00
94.083	0.00	0.01	0.008	O	|	|	|	|	0.00
94.167	0.00	0.01	0.008	O	|	|	|	|	0.00
94.250	0.00	0.01	0.008	O	|	|	|	|	0.00
94.333	0.00	0.01	0.008	O	|	|	|	|	0.00
94.417	0.00	0.01	0.008	O	|	|	|	|	0.00
94.500	0.00	0.01	0.008	O	|	|	|	|	0.00
94.583	0.00	0.01	0.008	O	|	|	|	|	0.00
94.667	0.00	0.01	0.008	O	|	|	|	|	0.00
94.750	0.00	0.01	0.008	O	|	|	|	|	0.00
94.833	0.00	0.01	0.008	O	|	|	|	|	0.00
94.917	0.00	0.01	0.008	O	|	|	|	|	0.00
95.000	0.00	0.01	0.008	O	|	|	|	|	0.00
95.083	0.00	0.01	0.008	O	|	|	|	|	0.00
95.167	0.00	0.01	0.008	O	|	|	|	|	0.00
95.250	0.00	0.01	0.008	O	|	|	|	|	0.00
95.333	0.00	0.01	0.008	O	|	|	|	|	0.00
95.417	0.00	0.01	0.007	O	|	|	|	|	0.00
95.500	0.00	0.01	0.007	O	|	|	|	|	0.00
95.583	0.00	0.01	0.007	O	|	|	|	|	0.00
95.667	0.00	0.01	0.007	O	|	|	|	|	0.00
95.750	0.00	0.01	0.007	O	|	|	|	|	0.00
95.833	0.00	0.01	0.007	O	|	|	|	|	0.00
95.917	0.00	0.01	0.007	O	|	|	|	|	0.00
96.000	0.00	0.01	0.007	O	|	|	|	|	0.00
96.083	0.00	0.01	0.007	O	|	|	|	|	0.00
96.167	0.00	0.01	0.007	O	|	|	|	|	0.00
96.250	0.00	0.01	0.007	O	|	|	|	|	0.00
96.333	0.00	0.01	0.007	O	|	|	|	|	0.00

96.417	0.00	0.01	0.007	O	|	|	|	|	0.00
96.500	0.00	0.01	0.007	O	|	|	|	|	0.00
96.583	0.00	0.01	0.007	O	|	|	|	|	0.00
96.667	0.00	0.01	0.007	O	|	|	|	|	0.00
96.750	0.00	0.01	0.007	O	|	|	|	|	0.00
96.833	0.00	0.01	0.007	O	|	|	|	|	0.00
96.917	0.00	0.01	0.006	O	|	|	|	|	0.00
97.000	0.00	0.01	0.006	O	|	|	|	|	0.00
97.083	0.00	0.01	0.006	O	|	|	|	|	0.00
97.167	0.00	0.01	0.006	O	|	|	|	|	0.00
97.250	0.00	0.01	0.006	O	|	|	|	|	0.00
97.333	0.00	0.01	0.006	O	|	|	|	|	0.00
97.417	0.00	0.01	0.006	O	|	|	|	|	0.00
97.500	0.00	0.01	0.006	O	|	|	|	|	0.00
97.583	0.00	0.01	0.006	O	|	|	|	|	0.00
97.667	0.00	0.01	0.006	O	|	|	|	|	0.00
97.750	0.00	0.01	0.006	O	|	|	|	|	0.00
97.833	0.00	0.01	0.006	O	|	|	|	|	0.00
97.917	0.00	0.01	0.006	O	|	|	|	|	0.00
98.000	0.00	0.01	0.006	O	|	|	|	|	0.00
98.083	0.00	0.01	0.006	O	|	|	|	|	0.00
98.167	0.00	0.01	0.006	O	|	|	|	|	0.00
98.250	0.00	0.01	0.006	O	|	|	|	|	0.00
98.333	0.00	0.01	0.006	O	|	|	|	|	0.00
98.417	0.00	0.01	0.006	O	|	|	|	|	0.00
98.500	0.00	0.01	0.006	O	|	|	|	|	0.00
98.583	0.00	0.01	0.006	O	|	|	|	|	0.00
98.667	0.00	0.01	0.005	O	|	|	|	|	0.00
98.750	0.00	0.01	0.005	O	|	|	|	|	0.00
98.833	0.00	0.01	0.005	O	|	|	|	|	0.00
98.917	0.00	0.01	0.005	O	|	|	|	|	0.00
99.000	0.00	0.01	0.005	O	|	|	|	|	0.00
99.083	0.00	0.01	0.005	O	|	|	|	|	0.00
99.167	0.00	0.01	0.005	O	|	|	|	|	0.00
99.250	0.00	0.01	0.005	O	|	|	|	|	0.00
99.333	0.00	0.01	0.005	O	|	|	|	|	0.00
99.417	0.00	0.01	0.005	O	|	|	|	|	0.00
99.500	0.00	0.01	0.005	O	|	|	|	|	0.00
99.583	0.00	0.01	0.005	O	|	|	|	|	0.00
99.667	0.00	0.01	0.005	O	|	|	|	|	0.00
99.750	0.00	0.01	0.005	O	|	|	|	|	0.00
99.833	0.00	0.01	0.005	O	|	|	|	|	0.00
99.917	0.00	0.01	0.005	O	|	|	|	|	0.00
100.000	0.00	0.01	0.005	O	|	|	|	|	0.00
100.083	0.00	0.01	0.005	O	|	|	|	|	0.00
100.167	0.00	0.01	0.005	O	|	|	|	|	0.00
100.250	0.00	0.01	0.005	O	|	|	|	|	0.00
100.333	0.00	0.01	0.005	O	|	|	|	|	0.00
100.417	0.00	0.01	0.005	O	|	|	|	|	0.00
100.500	0.00	0.01	0.005	O	|	|	|	|	0.00
100.583	0.00	0.01	0.005	O	|	|	|	|	0.00
100.667	0.00	0.01	0.005	O	|	|	|	|	0.00
100.750	0.00	0.01	0.005	O	|	|	|	|	0.00
100.833	0.00	0.01	0.004	O	|	|	|	|	0.00
100.917	0.00	0.01	0.004	O	|	|	|	|	0.00
101.000	0.00	0.00	0.004	O	|	|	|	|	0.00
101.083	0.00	0.00	0.004	O	|	|	|	|	0.00
101.167	0.00	0.00	0.004	O	|	|	|	|	0.00
101.250	0.00	0.00	0.004	O	|	|	|	|	0.00
101.333	0.00	0.00	0.004	O	|	|	|	|	0.00
101.417	0.00	0.00	0.004	O	|	|	|	|	0.00
101.500	0.00	0.00	0.004	O	|	|	|	|	0.00
101.583	0.00	0.00	0.004	O	|	|	|	|	0.00
101.667	0.00	0.00	0.004	O	|	|	|	|	0.00
101.750	0.00	0.00	0.004	O	|	|	|	|	0.00
101.833	0.00	0.00	0.004	O	|	|	|	|	0.00
101.917	0.00	0.00	0.004	O	|	|	|	|	0.00
102.000	0.00	0.00	0.004	O	|	|	|	|	0.00

102.083	0.00	0.00	0.004	O					0.00
102.167	0.00	0.00	0.004	O					0.00
102.250	0.00	0.00	0.004	O					0.00
102.333	0.00	0.00	0.004	O					0.00
102.417	0.00	0.00	0.004	O					0.00
102.500	0.00	0.00	0.004	O					0.00
102.583	0.00	0.00	0.004	O					0.00
102.667	0.00	0.00	0.004	O					0.00
102.750	0.00	0.00	0.004	O					0.00
102.833	0.00	0.00	0.004	O					0.00
102.917	0.00	0.00	0.004	O					0.00
103.000	0.00	0.00	0.004	O					0.00
103.083	0.00	0.00	0.004	O					0.00
103.167	0.00	0.00	0.004	O					0.00
103.250	0.00	0.00	0.004	O					0.00
103.333	0.00	0.00	0.004	O					0.00
103.417	0.00	0.00	0.004	O					0.00
103.500	0.00	0.00	0.003	O					0.00
103.583	0.00	0.00	0.003	O					0.00
103.667	0.00	0.00	0.003	O					0.00
103.750	0.00	0.00	0.003	O					0.00
103.833	0.00	0.00	0.003	O					0.00
103.917	0.00	0.00	0.003	O					0.00
104.000	0.00	0.00	0.003	O					0.00
104.083	0.00	0.00	0.003	O					0.00
104.167	0.00	0.00	0.003	O					0.00
104.250	0.00	0.00	0.003	O					0.00
104.333	0.00	0.00	0.003	O					0.00
104.417	0.00	0.00	0.003	O					0.00
104.500	0.00	0.00	0.003	O					0.00
104.583	0.00	0.00	0.003	O					0.00
104.667	0.00	0.00	0.003	O					0.00
104.750	0.00	0.00	0.003	O					0.00
104.833	0.00	0.00	0.003	O					0.00
104.917	0.00	0.00	0.003	O					0.00
105.000	0.00	0.00	0.003	O					0.00
105.083	0.00	0.00	0.003	O					0.00
105.167	0.00	0.00	0.003	O					0.00
105.250	0.00	0.00	0.003	O					0.00
105.333	0.00	0.00	0.003	O					0.00
105.417	0.00	0.00	0.003	O					0.00
105.500	0.00	0.00	0.003	O					0.00
105.583	0.00	0.00	0.003	O					0.00
105.667	0.00	0.00	0.003	O					0.00
105.750	0.00	0.00	0.003	O					0.00
105.833	0.00	0.00	0.003	O					0.00
105.917	0.00	0.00	0.003	O					0.00
106.000	0.00	0.00	0.003	O					0.00
106.083	0.00	0.00	0.003	O					0.00
106.167	0.00	0.00	0.003	O					0.00
106.250	0.00	0.00	0.003	O					0.00
106.333	0.00	0.00	0.003	O					0.00
106.417	0.00	0.00	0.003	O					0.00
106.500	0.00	0.00	0.003	O					0.00
106.583	0.00	0.00	0.003	O					0.00
106.667	0.00	0.00	0.003	O					0.00
106.750	0.00	0.00	0.003	O					0.00
106.833	0.00	0.00	0.003	O					0.00
106.917	0.00	0.00	0.003	O					0.00
107.000	0.00	0.00	0.003	O					0.00
107.083	0.00	0.00	0.003	O					0.00
107.167	0.00	0.00	0.002	O					0.00
107.250	0.00	0.00	0.002	O					0.00
107.333	0.00	0.00	0.002	O					0.00
107.417	0.00	0.00	0.002	O					0.00
107.500	0.00	0.00	0.002	O					0.00
107.583	0.00	0.00	0.002	O					0.00
107.667	0.00	0.00	0.002	O					0.00

107.750	0.00	0.00	0.002	O	|	|	|	|	0.00
107.833	0.00	0.00	0.002	O	|	|	|	|	0.00
107.917	0.00	0.00	0.002	O	|	|	|	|	0.00
108.000	0.00	0.00	0.002	O	|	|	|	|	0.00
108.083	0.00	0.00	0.002	O	|	|	|	|	0.00
108.167	0.00	0.00	0.002	O	|	|	|	|	0.00
108.250	0.00	0.00	0.002	O	|	|	|	|	0.00
108.333	0.00	0.00	0.002	O	|	|	|	|	0.00
108.417	0.00	0.00	0.002	O	|	|	|	|	0.00
108.500	0.00	0.00	0.002	O	|	|	|	|	0.00
108.583	0.00	0.00	0.002	O	|	|	|	|	0.00
108.667	0.00	0.00	0.002	O	|	|	|	|	0.00
108.750	0.00	0.00	0.002	O	|	|	|	|	0.00
108.833	0.00	0.00	0.002	O	|	|	|	|	0.00
108.917	0.00	0.00	0.002	O	|	|	|	|	0.00
109.000	0.00	0.00	0.002	O	|	|	|	|	0.00
109.083	0.00	0.00	0.002	O	|	|	|	|	0.00
109.167	0.00	0.00	0.002	O	|	|	|	|	0.00
109.250	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1311
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 66.665 (CFS)
Total volume = 16.198 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 01/08/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRB2410.rte
**********HYDROGRAPH DATA**********
Number of intervals = 299
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 64.297 (CFS)
Total volume = 30.222 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN B- ROUTING
10YR-24HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 299
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	2.050	2.320	2.042	2.058
2.000	4.240	3.490	4.228	4.252
3.000	6.570	4.360	6.555	6.585
4.000	9.040	5.080	9.023	9.057
5.000	11.650	5.710	11.630	11.670
6.000	14.410	127.850	13.970	14.850
7.000	17.320	320.000	16.218	18.422
8.000	20.370	563.910	18.428	22.312
9.000	23.580	930.190	20.377	26.783
10.000	26.950	1399.580	22.131	31.769
11.000	30.500	1945.140	23.802	37.198

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth .0 16.1 32.15 48.22 64.30 (Ft.)

0.083	0.26	0.00	0.001	O	|	|	|	0.00
0.167	1.21	0.01	0.006	O	|	|	|	0.00
0.250	1.73	0.02	0.016	O	|	|	|	0.01
0.333	2.07	0.03	0.029	OI	|	|	|	0.01
0.417	2.67	0.05	0.045	OI	|	|	|	0.02
0.500	3.01	0.07	0.064	OI	|	|	|	0.03
0.583	3.17	0.10	0.085	OI	|	|	|	0.04
0.667	3.27	0.12	0.106	OI	|	|	|	0.05
0.750	3.34	0.14	0.128	OI	|	|	|	0.06
0.833	3.52	0.17	0.151	OI	|	|	|	0.07
0.917	4.04	0.20	0.175	O I	|	|	|	0.09
1.000	4.32	0.23	0.203	O I	|	|	|	0.10
1.083	4.30	0.26	0.231	O I	|	|	|	0.11
1.167	3.90	0.29	0.257	OI	|	|	|	0.13
1.250	3.68	0.32	0.281	OI	|	|	|	0.14
1.333	3.61	0.34	0.304	OI	|	|	|	0.15
1.417	3.57	0.37	0.326	OI	|	|	|	0.16
1.500	3.54	0.39	0.348	OI	|	|	|	0.17
1.583	3.52	0.42	0.369	OI	|	|	|	0.18
1.667	3.51	0.44	0.391	OI	|	|	|	0.19
1.750	3.50	0.47	0.412	OI	|	|	|	0.20
1.833	3.62	0.49	0.433	OI	|	|	|	0.21
1.917	4.09	0.52	0.456	O I	|	|	|	0.22
2.000	4.34	0.54	0.481	O I	|	|	|	0.23
2.083	4.45	0.57	0.508	O I	|	|	|	0.25
2.167	4.51	0.61	0.535	O I	|	|	|	0.26
2.250	4.55	0.64	0.562	O I	|	|	|	0.27
2.333	4.58	0.67	0.588	O I	|	|	|	0.29
2.417	4.60	0.70	0.615	O I	|	|	|	0.30
2.500	4.61	0.73	0.642	O I	|	|	|	0.31
2.583	4.75	0.76	0.669	O I	|	|	|	0.33
2.667	5.24	0.79	0.698	O I	|	|	|	0.34
2.750	5.50	0.83	0.730	O I	|	|	|	0.36
2.833	5.61	0.86	0.762	O I	|	|	|	0.37
2.917	5.67	0.90	0.795	O I	|	|	|	0.39
3.000	5.71	0.94	0.828	O I	|	|	|	0.40
3.083	5.74	0.97	0.861	O I	|	|	|	0.42
3.167	5.76	1.01	0.893	O I	|	|	|	0.44
3.250	5.77	1.05	0.926	O I	|	|	|	0.45
3.333	5.78	1.08	0.958	O I	|	|	|	0.47
3.417	5.79	1.12	0.991	O I	|	|	|	0.48
3.500	5.80	1.16	1.023	O I	|	|	|	0.50
3.583	5.80	1.19	1.055	O I	|	|	|	0.51
3.667	5.80	1.23	1.086	O I	|	|	|	0.53
3.750	5.80	1.26	1.117	O I	|	|	|	0.55
3.833	5.92	1.30	1.149	O I	|	|	|	0.56
3.917	6.40	1.34	1.182	O I	|	|	|	0.58
4.000	6.66	1.38	1.218	O I	|	|	|	0.59
4.083	6.76	1.42	1.255	O I	|	|	|	0.61
4.167	6.83	1.46	1.291	O I	|	|	|	0.63
4.250	6.87	1.50	1.328	O I	|	|	|	0.65
4.333	7.02	1.55	1.366	O I	|	|	|	0.67
4.417	7.52	1.59	1.405	O I	|	|	|	0.69
4.500	7.80	1.64	1.447	O I	|	|	|	0.71
4.583	7.91	1.69	1.489	O I	|	|	|	0.73
4.667	7.98	1.73	1.532	O I	|	|	|	0.75
4.750	8.03	1.78	1.575	O I	|	|	|	0.77
4.833	8.18	1.83	1.619	O I	|	|	|	0.79
4.917	8.68	1.88	1.664	O I	|	|	|	0.81
5.000	8.96	1.94	1.712	O I	|	|	|	0.83
5.083	8.81	1.99	1.759	O I	|	|	|	0.86
5.167	7.93	2.04	1.803	|O I	|	|	|	0.88
5.250	7.45	2.08	1.842	|O I	|	|	|	0.90
5.333	7.40	2.13	1.878	|O I	|	|	|	0.92
5.417	7.78	2.17	1.916	|O I	|	|	|	0.93
5.500	7.97	2.21	1.955	|O I	|	|	|	0.95
5.583	8.16	2.26	1.995	|O I	|	|	|	0.97
5.667	8.66	2.31	2.037	|O I	|	|	|	0.99

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 5.750    8.94    2.34      2.082  |O  I   |       |       |       |     1.01
 5.833    9.05    2.36      2.128  |O  I   |       |       |       |     1.04
 5.917    9.12    2.39      2.174  |O  I   |       |       |       |     1.06
 6.000    9.16    2.41      2.220  |O  I   |       |       |       |     1.08
 6.083    9.33    2.44      2.267  |O  I   |       |       |       |     1.10
 6.167    9.84    2.46      2.317  |O  I   |       |       |       |     1.12
 6.250   10.12    2.49      2.368  |O   I  |       |       |       |     1.15
 6.333   10.23    2.52      2.421  |O   I  |       |       |       |     1.17
 6.417   10.30    2.55      2.474  |O   I  |       |       |       |     1.19
 6.500   10.34    2.58      2.528  |O   I  |       |       |       |     1.22
 6.583   10.50    2.60      2.582  |O   I  |       |       |       |     1.24
 6.667   11.00    2.63      2.638  |O   I  |       |       |       |     1.27
 6.750   11.27    2.67      2.696  |O   I  |       |       |       |     1.30
 6.833   11.39    2.70      2.756  |O   I  |       |       |       |     1.32
 6.917   11.46    2.73      2.816  |O   I  |       |       |       |     1.35
 7.000   11.50    2.76      2.876  |O   I  |       |       |       |     1.38
 7.083   11.53    2.79      2.936  |O   I  |       |       |       |     1.40
 7.167   11.55    2.83      2.996  |O   I  |       |       |       |     1.43
 7.250   11.57    2.86      3.056  |O   I  |       |       |       |     1.46
 7.333   11.71    2.89      3.117  |O   I  |       |       |       |     1.49
 7.417   12.19    2.92      3.179  |O    I |       |       |       |     1.52
 7.500   12.46    2.96      3.243  |O    I |       |       |       |     1.54
 7.583   12.69    2.99      3.310  |O    I |       |       |       |     1.58
 7.667   13.23    3.03      3.378  |O    I |       |       |       |     1.61
 7.750   13.53    3.07      3.449  |O    I |       |       |       |     1.64
 7.833   13.79    3.11      3.522  |O    I |       |       |       |     1.67
 7.917   14.35    3.15      3.597  |O     I|       |       |       |     1.71
 8.000   14.66    3.19      3.675  |O     I|       |       |       |     1.74
 8.083   15.06    3.23      3.756  |O     I|       |       |       |     1.78
 8.167   16.11    3.28      3.841  |O      I       |       |       |     1.82
 8.250   16.69    3.32      3.931  |O      I       |       |       |     1.86
 8.333   16.93    3.37      4.024  |O      I       |       |       |     1.90
 8.417   17.09    3.42      4.117  |O      I       |       |       |     1.94
 8.500   17.19    3.47      4.212  |O      I       |       |       |     1.99
 8.583   17.38    3.51      4.307  |O      I       |       |       |     2.03
 8.667   17.91    3.55      4.404  |O      I       |       |       |     2.07
 8.750   18.21    3.59      4.504  |O      |I      |       |       |     2.11
 8.833   18.46    3.63      4.605  |O      |I      |       |       |     2.16
 8.917   19.01    3.67      4.709  |O      |I      |       |       |     2.20
 9.000   19.32    3.70      4.816  |O      |I      |       |       |     2.25
 9.083   19.96    3.75      4.925  |O      |I      |       |       |     2.29
 9.167   21.91    3.79      5.043  |O      | I     |       |       |     2.34
 9.250   23.03    3.84      5.172  |O      |  I    |       |       |     2.40
 9.333   23.82    3.89      5.307  |O      |  I    |       |       |     2.46
 9.417   25.17    3.94      5.448  |O      |   I   |       |       |     2.52
 9.500   25.98    4.00      5.597  |O      |   I   |       |       |     2.58
 9.583   26.67    4.05      5.751  | O     |    I  |       |       |     2.65
 9.667   27.98    4.11      5.911  | O     |    I  |       |       |     2.72
 9.750   28.77    4.18      6.078  | O     |     I |       |       |     2.79
 9.833   29.45    4.24      6.249  | O     |     I |       |       |     2.86
 9.917   30.75    4.31      6.427  | O     |      I|       |       |     2.94
10.000   31.53    4.37      6.612  | O     |      I|       |       |     3.02
10.083   30.21    4.43      6.794  | O     |      I|       |       |     3.09
10.167   24.19    4.47      6.951  | O     |   I   |       |       |     3.15
10.250   20.94    4.51      7.075  | O     | I     |       |       |     3.20
10.333   19.70    4.54      7.184  | O     |I      |       |       |     3.25
10.417   18.95    4.57      7.286  | O     |I      |       |       |     3.29
10.500   18.47    4.60      7.383  | O     |I      |       |       |     3.33
10.583   19.37    4.63      7.482  | O     |I      |       |       |     3.37
10.667   23.67    4.66      7.598  | O     |  I    |       |       |     3.42
10.750   26.02    4.70      7.737  | O     |   I   |       |       |     3.47
10.833   26.93    4.74      7.886  | O     |    I  |       |       |     3.53
10.917   27.49    4.79      8.041  | O     |    I  |       |       |     3.60
11.000   27.90    4.83      8.199  | O     |    I  |       |       |     3.66
11.083   27.99    4.88      8.358  | O     |    I  |       |       |     3.72
11.167   27.28    4.93      8.514  | O     |    I  |       |       |     3.79
11.250   26.98    4.97      8.667  | O     |    I  |       |       |     3.85
11.333   26.95    5.02      8.818  | O     |    I  |       |       |     3.91
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11.417	27.00	5.06	8.969	O	I				3.97
11.500	27.05	5.10	9.121	O	I				4.03
11.583	26.55	5.14	9.270	O	I				4.09
11.667	24.61	5.17	9.411	O	I				4.14
11.750	23.59	5.20	9.541	O	I				4.19
11.833	23.51	5.23	9.667	O	I				4.24
11.917	24.32	5.26	9.796	O	I				4.29
12.000	24.77	5.29	9.928	O	I				4.34
12.083	26.85	5.33	10.070	O	I				4.39
12.167	33.94	5.37	10.242	O	I				4.46
12.250	37.85	5.42	10.452	O	I				4.54
12.333	39.72	5.48	10.682	O	I				4.63
12.417	41.72	5.53	10.924	O	I				4.72
12.500	42.95	5.60	11.177	O	I				4.82
12.583	44.22	5.66	11.439	O	I				4.92
12.667	46.75	8.13	11.705	O	I				5.02
12.750	48.24	18.54	11.940	O	I				5.11
12.833	49.23	26.52	12.120	O	I				5.17
12.917	50.74	32.73	12.261	O	I				5.22
13.000	51.64	37.61	12.371	O	I				5.26
13.083	53.43	41.56	12.460	O	I				5.29
13.167	58.72	45.40	12.547	O	I				5.32
13.250	61.67	49.31	12.635	O	I				5.36
13.333	62.92	52.74	12.713	O	I				5.39
13.417	63.74	55.54	12.776	O	I				5.41
13.500	64.30	57.78	12.827	O	I				5.43
13.583	61.72	**59.17**	**12.858**				**OI**		**5.44**
13.667	51.11	58.44	12.842				I	O	5.43
13.750	45.40	55.75	12.781			I	O		5.41
13.833	43.25	52.73	12.712			I	O		5.38
13.917	42.00	50.06	12.652			I	O		5.36
14.000	41.20	47.82	12.602			I	O		5.34
14.083	41.73	46.14	12.564			I	O		5.33
14.167	45.31	45.45	12.548			O			5.33
14.250	47.21	45.66	12.553			OI			5.33
14.333	47.64	46.13	12.563			OI			5.33
14.417	47.06	46.45	12.571			O			5.33
14.500	46.82	46.58	12.574			O			5.33
14.583	46.92	46.66	12.575			O			5.34
14.667	47.05	46.74	12.577			O			5.34
14.750	47.17	46.84	12.579			O			5.34
14.833	47.01	46.91	12.581			O			5.34
14.917	46.12	46.81	12.579			IO			5.34
15.000	45.66	46.57	12.573			IO			5.33
15.083	45.24	46.27	12.567			IO			5.33
15.167	44.18	45.86	12.557			IO			5.33
15.250	43.62	45.34	12.546			IO			5.32
15.333	43.15	44.82	12.534			IO			5.32
15.417	42.06	44.24	12.521			I	O		5.32
15.500	41.48	43.59	12.506			IO			5.31
15.583	40.19	42.86	12.489			IO			5.30
15.667	36.10	41.61	12.461			I	O		5.29
15.750	33.88	39.86	12.422			I	O		5.28
15.833	33.02	38.16	12.383			I	O		5.27
15.917	32.52	36.74	12.351			I	O		5.25
16.000	32.21	35.58	12.325			IO			5.24
16.083	29.01	34.27	12.295			I	O		5.23
16.167	17.76	31.39	12.230		I		O		5.21
16.250	11.60	26.97	12.130		I		O		5.17
16.333	9.15	22.58	12.031		I		O		5.14
16.417	7.64	18.83	11.946		I		O		5.11
16.500	6.66	15.74	11.877		I		O		5.08
16.583	5.89	13.23	11.820	I			O		5.06
16.667	4.92	11.16	11.773	I			O		5.04
16.750	4.32	9.43	11.734	I	O				5.03
16.833	3.98	8.03	11.703	I	O				5.02
16.917	3.72	6.93	11.678	I	O				5.01
17.000	3.56	6.06	11.658	I	O				5.00

17.083	3.80	5.71	11.643	IO				5.00
17.167	4.73	5.71	11.633	O				4.99
17.250	5.23	5.70	11.628	O				4.99
17.333	5.43	5.70	11.625	O				4.99
17.417	5.54	5.70	11.624	O				4.99
17.500	5.62	5.70	11.623	O				4.99
17.583	5.68	5.70	11.622	O				4.99
17.667	5.72	5.70	11.622	O				4.99
17.750	5.75	5.70	11.623	O				4.99
17.833	5.64	5.70	11.623	O				4.99
17.917	5.18	5.70	11.621	O				4.99
18.000	4.93	5.70	11.616	O				4.99
18.083	4.83	5.70	11.610	O				4.98
18.167	4.76	5.70	11.604	O				4.98
18.250	4.72	5.70	11.598	O				4.98
18.333	4.70	5.70	11.591	O				4.98
18.417	4.67	5.69	11.584	O				4.97
18.500	4.66	5.69	11.577	O				4.97
18.583	4.52	5.69	11.569	O				4.97
18.667	4.03	5.69	11.559	O				4.97
18.750	3.77	5.69	11.547	IO				4.96
18.833	3.54	5.68	11.533	IO				4.96
18.917	3.00	5.68	11.517	IO				4.95
19.000	2.70	5.67	11.497	IO				4.94
19.083	2.70	5.67	11.477	IO				4.93
19.167	3.09	5.66	11.458	IO				4.93
19.250	3.30	5.66	11.441	IO				4.92
19.333	3.49	5.66	11.425	IO				4.91
19.417	4.00	5.65	11.412	IO				4.91
19.500	4.28	5.65	11.401	O				4.90
19.583	4.27	5.65	11.392	O				4.90
19.667	3.87	5.65	11.381	IO				4.90
19.750	3.66	5.64	11.368	IO				4.89
19.833	3.46	5.64	11.354	IO				4.89
19.917	2.96	5.63	11.337	IO				4.88
20.000	2.67	5.63	11.318	IO				4.87
20.083	2.68	5.62	11.297	IO				4.86
20.167	3.09	5.62	11.279	IO				4.86
20.250	3.30	5.62	11.262	IO				4.85
20.333	3.36	5.61	11.246	IO				4.85
20.417	3.39	5.61	11.231	IO				4.84
20.500	3.41	5.61	11.216	IO				4.83
20.583	3.43	5.60	11.201	IO				4.83
20.667	3.44	5.60	11.186	IO				4.82
20.750	3.45	5.59	11.171	IO				4.82
20.833	3.33	5.59	11.156	IO				4.81
20.917	2.87	5.59	11.139	IO				4.80
21.000	2.61	5.58	11.119	IO				4.80
21.083	2.64	5.58	11.099	IO				4.79
21.167	3.05	5.57	11.080	IO				4.78
21.250	3.27	5.57	11.063	IO				4.78
21.333	3.22	5.56	11.047	IO				4.77
21.417	2.78	5.56	11.030	IO				4.76
21.500	2.55	5.56	11.010	IO				4.75
21.583	2.59	5.55	10.989	IO				4.75
21.667	3.02	5.55	10.970	IO				4.74
21.750	3.25	5.54	10.954	IO				4.73
21.833	3.20	5.54	10.938	IO				4.73
21.917	2.78	5.53	10.920	IO				4.72
22.000	2.55	5.53	10.900	IO				4.71
22.083	2.59	5.52	10.880	IO				4.70
22.167	3.02	5.52	10.861	IO				4.70
22.250	3.25	5.52	10.845	IO				4.69
22.333	3.20	5.51	10.829	IO				4.69
22.417	2.78	5.51	10.812	IO				4.68
22.500	2.55	5.50	10.792	IO				4.67
22.583	2.46	5.50	10.772	IO				4.66
22.667	2.41	5.49	10.750	IO				4.66

22.750	2.38	5.49	10.729	|IO	|	|	|	4.65
22.833	2.36	5.48	10.708	|IO	|	|	|	4.64
22.917	2.35	5.48	10.686	|IO	|	|	|	4.63
23.000	2.34	5.47	10.665	|IO	|	|	|	4.62
23.083	2.33	5.47	10.643	|IO	|	|	|	4.61
23.167	2.32	5.46	10.622	|IO	|	|	|	4.61
23.250	2.32	5.46	10.600	|IO	|	|	|	4.60
23.333	2.32	5.45	10.578	|IO	|	|	|	4.59
23.417	2.32	5.45	10.557	|IO	|	|	|	4.58
23.500	2.32	5.44	10.535	|IO	|	|	|	4.57
23.583	2.32	5.44	10.514	|IO	|	|	|	4.56
23.667	2.32	5.43	10.492	|IO	|	|	|	4.56
23.750	2.32	5.43	10.471	|IO	|	|	|	4.55
23.833	2.32	5.42	10.449	|IO	|	|	|	4.54
23.917	2.32	5.42	10.428	|IO	|	|	|	4.53
24.000	2.32	5.41	10.407	|IO	|	|	|	4.52
24.083	2.06	5.40	10.385	|IO	|	|	|	4.52
24.167	1.10	5.40	10.358	I O	|	|	|	4.51
24.250	0.58	5.39	10.327	I O	|	|	|	4.49
24.333	0.38	5.38	10.293	I O	|	|	|	4.48
24.417	0.26	5.37	10.258	I O	|	|	|	4.47
24.500	0.17	5.37	10.223	I O	|	|	|	4.45
24.583	0.12	5.36	10.187	I O	|	|	|	4.44
24.667	0.08	5.35	10.151	I O	|	|	|	4.43
24.750	0.05	5.34	10.114	I O	|	|	|	4.41
24.833	0.03	5.33	10.078	I O	|	|	|	4.40
24.917	0.01	5.32	10.041	I O	|	|	|	4.38
25.000	0.00	5.31	10.005	I O	|	|	|	4.37
25.083	0.00	5.30	9.968	I O	|	|	|	4.36
25.167	0.00	5.30	9.932	I O	|	|	|	4.34
25.250	0.00	5.29	9.895	I O	|	|	|	4.33
25.333	0.00	5.28	9.859	I O	|	|	|	4.31
25.417	0.00	5.27	9.823	I O	|	|	|	4.30
25.500	0.00	5.26	9.786	I O	|	|	|	4.29
25.583	0.00	5.25	9.750	I O	|	|	|	4.27
25.667	0.00	5.24	9.714	I O	|	|	|	4.26
25.750	0.00	5.23	9.678	I O	|	|	|	4.24
25.833	0.00	5.23	9.642	I O	|	|	|	4.23
25.917	0.00	5.22	9.606	I O	|	|	|	4.22
26.000	0.00	5.21	9.570	I O	|	|	|	4.20
26.083	0.00	5.20	9.534	I O	|	|	|	4.19
26.167	0.00	5.19	9.498	I O	|	|	|	4.18
26.250	0.00	5.18	9.463	I O	|	|	|	4.16
26.333	0.00	5.17	9.427	I O	|	|	|	4.15
26.417	0.00	5.16	9.391	I O	|	|	|	4.13
26.500	0.00	5.16	9.356	I O	|	|	|	4.12
26.583	0.00	5.15	9.320	I O	|	|	|	4.11
26.667	0.00	5.14	9.285	I O	|	|	|	4.09
26.750	0.00	5.13	9.250	I O	|	|	|	4.08
26.833	0.00	5.12	9.214	I O	|	|	|	4.07
26.917	0.00	5.11	9.179	I O	|	|	|	4.05
27.000	0.00	5.11	9.144	I O	|	|	|	4.04
27.083	0.00	5.10	9.109	I O	|	|	|	4.03
27.167	0.00	5.09	9.074	I O	|	|	|	4.01
27.250	0.00	5.08	9.039	I O	|	|	|	4.00
27.333	0.00	5.07	9.004	I O	|	|	|	3.99
27.417	0.00	5.06	8.969	I O	|	|	|	3.97
27.500	0.00	5.05	8.934	I O	|	|	|	3.96
27.583	0.00	5.04	8.899	I O	|	|	|	3.94
27.667	0.00	5.03	8.865	I O	|	|	|	3.93
27.750	0.00	5.02	8.830	I O	|	|	|	3.92
27.833	0.00	5.01	8.796	I O	|	|	|	3.90
27.917	0.00	5.00	8.761	I O	|	|	|	3.89
28.000	0.00	4.99	8.727	I O	|	|	|	3.87
28.083	0.00	4.98	8.692	I O	|	|	|	3.86
28.167	0.00	4.97	8.658	I O	|	|	|	3.85
28.250	0.00	4.96	8.624	I O	|	|	|	3.83
28.333	0.00	4.95	8.590	I O	|	|	|	3.82

28.417	0.00	4.94	8.556	I O	|	|	|	3.80
28.500	0.00	4.93	8.522	I O	|	|	|	3.79
28.583	0.00	4.92	8.488	I O	|	|	|	3.78
28.667	0.00	4.91	8.454	I O	|	|	|	3.76
28.750	0.00	4.90	8.420	I O	|	|	|	3.75
28.833	0.00	4.89	8.387	I O	|	|	|	3.74
28.917	0.00	4.88	8.353	I O	|	|	|	3.72
29.000	0.00	4.87	8.319	I O	|	|	|	3.71
29.083	0.00	4.86	8.286	I O	|	|	|	3.69
29.167	0.00	4.85	8.252	I O	|	|	|	3.68
29.250	0.00	4.84	8.219	I O	|	|	|	3.67
29.333	0.00	4.83	8.186	I O	|	|	|	3.65
29.417	0.00	4.82	8.152	I O	|	|	|	3.64
29.500	0.00	4.81	8.119	I O	|	|	|	3.63
29.583	0.00	4.80	8.086	I O	|	|	|	3.61
29.667	0.00	4.79	8.053	I O	|	|	|	3.60
29.750	0.00	4.78	8.020	I O	|	|	|	3.59
29.833	0.00	4.77	7.987	I O	|	|	|	3.57
29.917	0.00	4.76	7.954	I O	|	|	|	3.56
30.000	0.00	4.75	7.922	I O	|	|	|	3.55
30.083	0.00	4.74	7.889	I O	|	|	|	3.53
30.167	0.00	4.73	7.856	I O	|	|	|	3.52
30.250	0.00	4.73	7.824	I O	|	|	|	3.51
30.333	0.00	4.72	7.791	I O	|	|	|	3.49
30.417	0.00	4.71	7.759	I O	|	|	|	3.48
30.500	0.00	4.70	7.726	I O	|	|	|	3.47
30.583	0.00	4.69	7.694	I O	|	|	|	3.46
30.667	0.00	4.68	7.662	I O	|	|	|	3.44
30.750	0.00	4.67	7.630	I O	|	|	|	3.43
30.833	0.00	4.66	7.598	I O	|	|	|	3.42
30.917	0.00	4.65	7.565	I O	|	|	|	3.40
31.000	0.00	4.64	7.533	I O	|	|	|	3.39
31.083	0.00	4.63	7.502	I O	|	|	|	3.38
31.167	0.00	4.62	7.470	I O	|	|	|	3.36
31.250	0.00	4.61	7.438	I O	|	|	|	3.35
31.333	0.00	4.60	7.406	I O	|	|	|	3.34
31.417	0.00	4.59	7.374	I O	|	|	|	3.33
31.500	0.00	4.59	7.343	I O	|	|	|	3.31
31.583	0.00	4.58	7.311	I O	|	|	|	3.30
31.667	0.00	4.57	7.280	I O	|	|	|	3.29
31.750	0.00	4.56	7.248	I O	|	|	|	3.27
31.833	0.00	4.55	7.217	I O	|	|	|	3.26
31.917	0.00	4.54	7.186	I O	|	|	|	3.25
32.000	0.00	4.53	7.155	I O	|	|	|	3.24
32.083	0.00	4.52	7.123	I O	|	|	|	3.22
32.167	0.00	4.51	7.092	I O	|	|	|	3.21
32.250	0.00	4.50	7.061	I O	|	|	|	3.20
32.333	0.00	4.49	7.030	I O	|	|	|	3.19
32.417	0.00	4.49	6.999	I O	|	|	|	3.17
32.500	0.00	4.48	6.968	I O	|	|	|	3.16
32.583	0.00	4.47	6.938	I O	|	|	|	3.15
32.667	0.00	4.46	6.907	I O	|	|	|	3.14
32.750	0.00	4.45	6.876	I O	|	|	|	3.12
32.833	0.00	4.44	6.846	I O	|	|	|	3.11
32.917	0.00	4.43	6.815	I O	|	|	|	3.10
33.000	0.00	4.42	6.785	I O	|	|	|	3.09
33.083	0.00	4.41	6.754	I O	|	|	|	3.07
33.167	0.00	4.40	6.724	I O	|	|	|	3.06
33.250	0.00	4.40	6.693	I O	|	|	|	3.05
33.333	0.00	4.39	6.663	I O	|	|	|	3.04
33.417	0.00	4.38	6.633	I O	|	|	|	3.03
33.500	0.00	4.37	6.603	I O	|	|	|	3.01
33.583	0.00	4.36	6.573	I O	|	|	|	3.00
33.667	0.00	4.35	6.543	I O	|	|	|	2.99
33.750	0.00	4.34	6.513	I O	|	|	|	2.98
33.833	0.00	4.33	6.483	I O	|	|	|	2.96
33.917	0.00	4.32	6.453	I O	|	|	|	2.95
34.000	0.00	4.31	6.424	I O	|	|	|	2.94

34.083	0.00	4.29	6.394	I O	|	|	|	2.92
34.167	0.00	4.28	6.364	I O	|	|	|	2.91
34.250	0.00	4.27	6.335	I O	|	|	|	2.90
34.333	0.00	4.26	6.306	I O	|	|	|	2.89
34.417	0.00	4.25	6.276	I O	|	|	|	2.87
34.500	0.00	4.24	6.247	I O	|	|	|	2.86
34.583	0.00	4.23	6.218	I O	|	|	|	2.85
34.667	0.00	4.22	6.189	I O	|	|	|	2.84
34.750	0.00	4.21	6.160	I O	|	|	|	2.82
34.833	0.00	4.20	6.131	I O	|	|	|	2.81
34.917	0.00	4.19	6.102	I O	|	|	|	2.80
35.000	0.00	4.17	6.073	I O	|	|	|	2.79
35.083	0.00	4.16	6.045	I O	|	|	|	2.77
35.167	0.00	4.15	6.016	I O	|	|	|	2.76
35.250	0.00	4.14	5.987	I O	|	|	|	2.75
35.333	0.00	4.13	5.959	I O	|	|	|	2.74
35.417	0.00	4.12	5.930	I O	|	|	|	2.73
35.500	0.00	4.11	5.902	I O	|	|	|	2.71
35.583	0.00	4.10	5.874	I O	|	|	|	2.70
35.667	0.00	4.09	5.846	I O	|	|	|	2.69
35.750	0.00	4.08	5.817	I O	|	|	|	2.68
35.833	0.00	4.07	5.789	I O	|	|	|	2.66
35.917	0.00	4.06	5.761	I O	|	|	|	2.65
36.000	0.00	4.05	5.734	I O	|	|	|	2.64
36.083	0.00	4.04	5.706	I O	|	|	|	2.63
36.167	0.00	4.03	5.678	I O	|	|	|	2.62
36.250	0.00	4.02	5.650	IO	|	|	|	2.61
36.333	0.00	4.01	5.623	IO	|	|	|	2.59
36.417	0.00	4.00	5.595	IO	|	|	|	2.58
36.500	0.00	3.99	5.568	IO	|	|	|	2.57
36.583	0.00	3.98	5.540	IO	|	|	|	2.56
36.667	0.00	3.97	5.513	IO	|	|	|	2.55
36.750	0.00	3.96	5.486	IO	|	|	|	2.53
36.833	0.00	3.94	5.458	IO	|	|	|	2.52
36.917	0.00	3.93	5.431	IO	|	|	|	2.51
37.000	0.00	3.92	5.404	IO	|	|	|	2.50
37.083	0.00	3.91	5.377	IO	|	|	|	2.49
37.167	0.00	3.90	5.350	IO	|	|	|	2.48
37.250	0.00	3.89	5.323	IO	|	|	|	2.46
37.333	0.00	3.88	5.297	IO	|	|	|	2.45
37.417	0.00	3.87	5.270	IO	|	|	|	2.44
37.500	0.00	3.86	5.243	IO	|	|	|	2.43
37.583	0.00	3.85	5.217	IO	|	|	|	2.42
37.667	0.00	3.84	5.190	IO	|	|	|	2.41
37.750	0.00	3.83	5.164	IO	|	|	|	2.40
37.833	0.00	3.83	5.137	IO	|	|	|	2.39
37.917	0.00	3.82	5.111	IO	|	|	|	2.37
38.000	0.00	3.81	5.085	IO	|	|	|	2.36
38.083	0.00	3.80	5.059	IO	|	|	|	2.35
38.167	0.00	3.79	5.032	IO	|	|	|	2.34
38.250	0.00	3.78	5.006	IO	|	|	|	2.33
38.333	0.00	3.77	4.980	IO	|	|	|	2.32
38.417	0.00	3.76	4.955	IO	|	|	|	2.31
38.500	0.00	3.75	4.929	IO	|	|	|	2.30
38.583	0.00	3.74	4.903	IO	|	|	|	2.28
38.667	0.00	3.73	4.877	IO	|	|	|	2.27
38.750	0.00	3.72	4.852	IO	|	|	|	2.26
38.833	0.00	3.71	4.826	IO	|	|	|	2.25
38.917	0.00	3.70	4.800	IO	|	|	|	2.24
39.000	0.00	3.69	4.775	IO	|	|	|	2.23
39.083	0.00	3.68	4.750	IO	|	|	|	2.22
39.167	0.00	3.67	4.724	IO	|	|	|	2.21
39.250	0.00	3.66	4.699	IO	|	|	|	2.20
39.333	0.00	3.65	4.674	IO	|	|	|	2.19
39.417	0.00	3.64	4.649	IO	|	|	|	2.18
39.500	0.00	3.63	4.624	IO	|	|	|	2.16
39.583	0.00	3.62	4.599	IO	|	|	|	2.15
39.667	0.00	3.61	4.574	IO	|	|	|	2.14

39.750	0.00	3.61	4.549	IO					2.13
39.833	0.00	3.60	4.524	IO					2.12
39.917	0.00	3.59	4.499	IO					2.11
40.000	0.00	3.58	4.475	IO					2.10
40.083	0.00	3.57	4.450	IO					2.09
40.167	0.00	3.56	4.426	IO					2.08
40.250	0.00	3.55	4.401	IO					2.07
40.333	0.00	3.54	4.377	IO					2.06
40.417	0.00	3.53	4.352	IO					2.05
40.500	0.00	3.52	4.328	IO					2.04
40.583	0.00	3.51	4.304	IO					2.03
40.667	0.00	3.50	4.280	IO					2.02
40.750	0.00	3.50	4.256	IO					2.01
40.833	0.00	3.49	4.231	IO					2.00
40.917	0.00	3.47	4.208	IO					1.99
41.000	0.00	3.46	4.184	IO					1.97
41.083	0.00	3.45	4.160	IO					1.96
41.167	0.00	3.43	4.136	IO					1.95
41.250	0.00	3.42	4.113	IO					1.94
41.333	0.00	3.41	4.089	IO					1.93
41.417	0.00	3.40	4.066	IO					1.92
41.500	0.00	3.38	4.042	IO					1.91
41.583	0.00	3.37	4.019	IO					1.90
41.667	0.00	3.36	3.996	IO					1.89
41.750	0.00	3.35	3.973	IO					1.88
41.833	0.00	3.33	3.950	IO					1.87
41.917	0.00	3.32	3.927	IO					1.86
42.000	0.00	3.31	3.904	IO					1.85
42.083	0.00	3.30	3.881	IO					1.84
42.167	0.00	3.29	3.859	IO					1.83
42.250	0.00	3.27	3.836	IO					1.82
42.333	0.00	3.26	3.813	IO					1.81
42.417	0.00	3.25	3.791	IO					1.79
42.500	0.00	3.24	3.769	IO					1.78
42.583	0.00	3.23	3.746	IO					1.77
42.667	0.00	3.21	3.724	IO					1.76
42.750	0.00	3.20	3.702	IO					1.75
42.833	0.00	3.19	3.680	IO					1.74
42.917	0.00	3.18	3.658	IO					1.73
43.000	0.00	3.17	3.636	IO					1.72
43.083	0.00	3.16	3.615	IO					1.71
43.167	0.00	3.14	3.593	IO					1.70
43.250	0.00	3.13	3.571	IO					1.69
43.333	0.00	3.12	3.550	IO					1.68
43.417	0.00	3.11	3.528	IO					1.67
43.500	0.00	3.10	3.507	IO					1.67
43.583	0.00	3.09	3.486	IO					1.66
43.667	0.00	3.08	3.464	IO					1.65
43.750	0.00	3.06	3.443	IO					1.64
43.833	0.00	3.05	3.422	IO					1.63
43.917	0.00	3.04	3.401	IO					1.62
44.000	0.00	3.03	3.380	IO					1.61
44.083	0.00	3.02	3.359	IO					1.60
44.167	0.00	3.01	3.339	IO					1.59
44.250	0.00	3.00	3.318	IO					1.58
44.333	0.00	2.99	3.297	IO					1.57
44.417	0.00	2.98	3.277	IO					1.56
44.500	0.00	2.96	3.256	IO					1.55
44.583	0.00	2.95	3.236	IO					1.54
44.667	0.00	2.94	3.216	IO					1.53
44.750	0.00	2.93	3.195	IO					1.52
44.833	0.00	2.92	3.175	IO					1.51
44.917	0.00	2.91	3.155	IO					1.50
45.000	0.00	2.90	3.135	IO					1.50
45.083	0.00	2.89	3.115	IO					1.49
45.167	0.00	2.88	3.095	IO					1.48
45.250	0.00	2.87	3.076	IO					1.47
45.333	0.00	2.86	3.056	IO					1.46

45.417	0.00	2.85	3.036	IO					1.45
45.500	0.00	2.84	3.017	IO					1.44
45.583	0.00	2.83	2.997	IO					1.43
45.667	0.00	2.82	2.978	IO					1.42
45.750	0.00	2.81	2.958	IO					1.41
45.833	0.00	2.80	2.939	IO					1.41
45.917	0.00	2.78	2.920	IO					1.40
46.000	0.00	2.77	2.901	IO					1.39
46.083	0.00	2.76	2.882	IO					1.38
46.167	0.00	2.75	2.863	IO					1.37
46.250	0.00	2.74	2.844	IO					1.36
46.333	0.00	2.73	2.825	IO					1.35
46.417	0.00	2.72	2.806	IO					1.35
46.500	0.00	2.71	2.787	IO					1.34
46.583	0.00	2.70	2.769	IO					1.33
46.667	0.00	2.69	2.750	IO					1.32
46.750	0.00	2.68	2.732	IO					1.31
46.833	0.00	2.67	2.713	IO					1.30
46.917	0.00	2.66	2.695	IO					1.29
47.000	0.00	2.65	2.676	IO					1.29
47.083	0.00	2.64	2.658	IO					1.28
47.167	0.00	2.64	2.640	IO					1.27
47.250	0.00	2.63	2.622	IO					1.26
47.333	0.00	2.62	2.604	IO					1.25
47.417	0.00	2.61	2.586	IO					1.24
47.500	0.00	2.60	2.568	IO					1.24
47.583	0.00	2.59	2.550	IO					1.23
47.667	0.00	2.58	2.532	IO					1.22
47.750	0.00	2.57	2.515	IO					1.21
47.833	0.00	2.56	2.497	IO					1.20
47.917	0.00	2.55	2.479	IO					1.20
48.000	0.00	2.54	2.462	IO					1.19
48.083	0.00	2.53	2.444	IO					1.18
48.167	0.00	2.52	2.427	IO					1.17
48.250	0.00	2.51	2.410	IO					1.16
48.333	0.00	2.50	2.392	IO					1.16
48.417	0.00	2.49	2.375	IO					1.15
48.500	0.00	2.48	2.358	IO					1.14
48.583	0.00	2.48	2.341	IO					1.13
48.667	0.00	2.47	2.324	IO					1.13
48.750	0.00	2.46	2.307	IO					1.12
48.833	0.00	2.45	2.290	IO					1.11
48.917	0.00	2.44	2.273	IO					1.10
49.000	0.00	2.43	2.256	IO					1.09
49.083	0.00	2.42	2.240	IO					1.09
49.167	0.00	2.41	2.223	IO					1.08
49.250	0.00	2.40	2.207	IO					1.07
49.333	0.00	2.39	2.190	IO					1.06
49.417	0.00	2.39	2.174	IO					1.06
49.500	0.00	2.38	2.157	IO					1.05
49.583	0.00	2.37	2.141	IO					1.04
49.667	0.00	2.36	2.125	IO					1.03
49.750	0.00	2.35	2.108	IO					1.03
49.833	0.00	2.34	2.092	IO					1.02
49.917	0.00	2.33	2.076	IO					1.01
50.000	0.00	2.33	2.060	IO					1.00
50.083	0.00	2.31	2.044	IO					1.00
50.167	0.00	2.30	2.028	IO					0.99
50.250	0.00	2.28	2.012	IO					0.98
50.333	0.00	2.26	1.997	IO					0.97
50.417	0.00	2.24	1.981	IO					0.97
50.500	0.00	2.22	1.966	IO					0.96
50.583	0.00	2.21	1.951	IO					0.95
50.667	0.00	2.19	1.935	IO					0.94
50.750	0.00	2.17	1.920	IO					0.94
50.833	0.00	2.16	1.906	IO					0.93
50.917	0.00	2.14	1.891	IO					0.92
51.000	0.00	2.12	1.876	IO					0.92

51.083	0.00	2.11	1.862	IO	|	|	|	|	0.91
51.167	0.00	2.09	1.847	IO	|	|	|	|	0.90
51.250	0.00	2.07	1.833	IO	|	|	|	|	0.89
51.333	0.00	2.06	1.818	IO	|	|	|	|	0.89
51.417	0.00	2.04	1.804	IO	|	|	|	|	0.88
51.500	0.00	2.03	1.790	IO	|	|	|	|	0.87
51.583	0.00	2.01	1.776	IO	|	|	|	|	0.87
51.667	0.00	1.99	1.763	O	|	|	|	|	0.86
51.750	0.00	1.98	1.749	O	|	|	|	|	0.85
51.833	0.00	1.96	1.735	O	|	|	|	|	0.85
51.917	0.00	1.95	1.722	O	|	|	|	|	0.84
52.000	0.00	1.93	1.709	O	|	|	|	|	0.83
52.083	0.00	1.92	1.695	O	|	|	|	|	0.83
52.167	0.00	1.90	1.682	O	|	|	|	|	0.82
52.250	0.00	1.89	1.669	O	|	|	|	|	0.81
52.333	0.00	1.87	1.656	O	|	|	|	|	0.81
52.417	0.00	1.86	1.643	O	|	|	|	|	0.80
52.500	0.00	1.85	1.630	O	|	|	|	|	0.80
52.583	0.00	1.83	1.618	O	|	|	|	|	0.79
52.667	0.00	1.82	1.605	O	|	|	|	|	0.78
52.750	0.00	1.80	1.593	O	|	|	|	|	0.78
52.833	0.00	1.79	1.580	O	|	|	|	|	0.77
52.917	0.00	1.77	1.568	O	|	|	|	|	0.76
53.000	0.00	1.76	1.556	O	|	|	|	|	0.76
53.083	0.00	1.75	1.544	O	|	|	|	|	0.75
53.167	0.00	1.73	1.532	O	|	|	|	|	0.75
53.250	0.00	1.72	1.520	O	|	|	|	|	0.74
53.333	0.00	1.71	1.508	O	|	|	|	|	0.74
53.417	0.00	1.69	1.497	O	|	|	|	|	0.73
53.500	0.00	1.68	1.485	O	|	|	|	|	0.72
53.583	0.00	1.67	1.473	O	|	|	|	|	0.72
53.667	0.00	1.65	1.462	O	|	|	|	|	0.71
53.750	0.00	1.64	1.451	O	|	|	|	|	0.71
53.833	0.00	1.63	1.439	O	|	|	|	|	0.70
53.917	0.00	1.62	1.428	O	|	|	|	|	0.70
54.000	0.00	1.60	1.417	O	|	|	|	|	0.69
54.083	0.00	1.59	1.406	O	|	|	|	|	0.69
54.167	0.00	1.58	1.395	O	|	|	|	|	0.68
54.250	0.00	1.57	1.384	O	|	|	|	|	0.68
54.333	0.00	1.55	1.374	O	|	|	|	|	0.67
54.417	0.00	1.54	1.363	O	|	|	|	|	0.66
54.500	0.00	1.53	1.352	O	|	|	|	|	0.66
54.583	0.00	1.52	1.342	O	|	|	|	|	0.65
54.667	0.00	1.51	1.331	O	|	|	|	|	0.65
54.750	0.00	1.50	1.321	O	|	|	|	|	0.64
54.833	0.00	1.48	1.311	O	|	|	|	|	0.64
54.917	0.00	1.47	1.301	O	|	|	|	|	0.63
55.000	0.00	1.46	1.291	O	|	|	|	|	0.63
55.083	0.00	1.45	1.281	O	|	|	|	|	0.62
55.167	0.00	1.44	1.271	O	|	|	|	|	0.62
55.250	0.00	1.43	1.261	O	|	|	|	|	0.61
55.333	0.00	1.42	1.251	O	|	|	|	|	0.61
55.417	0.00	1.40	1.241	O	|	|	|	|	0.61
55.500	0.00	1.39	1.232	O	|	|	|	|	0.60
55.583	0.00	1.38	1.222	O	|	|	|	|	0.60
55.667	0.00	1.37	1.213	O	|	|	|	|	0.59
55.750	0.00	1.36	1.203	O	|	|	|	|	0.59
55.833	0.00	1.35	1.194	O	|	|	|	|	0.58
55.917	0.00	1.34	1.185	O	|	|	|	|	0.58
56.000	0.00	1.33	1.175	O	|	|	|	|	0.57
56.083	0.00	1.32	1.166	O	|	|	|	|	0.57
56.167	0.00	1.31	1.157	O	|	|	|	|	0.56
56.250	0.00	1.30	1.148	O	|	|	|	|	0.56
56.333	0.00	1.29	1.139	O	|	|	|	|	0.56
56.417	0.00	1.28	1.130	O	|	|	|	|	0.55
56.500	0.00	1.27	1.122	O	|	|	|	|	0.55
56.583	0.00	1.26	1.113	O	|	|	|	|	0.54
56.667	0.00	1.25	1.104	O	|	|	|	|	0.54

56.750	0.00	1.24	1.096	O	|	|	|	|	0.53
56.833	0.00	1.23	1.087	O	|	|	|	|	0.53
56.917	0.00	1.22	1.079	O	|	|	|	|	0.53
57.000	0.00	1.21	1.070	O	|	|	|	|	0.52
57.083	0.00	1.20	1.062	O	|	|	|	|	0.52
57.167	0.00	1.19	1.054	O	|	|	|	|	0.51
57.250	0.00	1.18	1.046	O	|	|	|	|	0.51
57.333	0.00	1.17	1.038	O	|	|	|	|	0.51
57.417	0.00	1.17	1.029	O	|	|	|	|	0.50
57.500	0.00	1.16	1.021	O	|	|	|	|	0.50
57.583	0.00	1.15	1.014	O	|	|	|	|	0.49
57.667	0.00	1.14	1.006	O	|	|	|	|	0.49
57.750	0.00	1.13	0.998	O	|	|	|	|	0.49
57.833	0.00	1.12	0.990	O	|	|	|	|	0.48
57.917	0.00	1.11	0.982	O	|	|	|	|	0.48
58.000	0.00	1.10	0.975	O	|	|	|	|	0.48
58.083	0.00	1.09	0.967	O	|	|	|	|	0.47
58.167	0.00	1.09	0.960	O	|	|	|	|	0.47
58.250	0.00	1.08	0.952	O	|	|	|	|	0.46
58.333	0.00	1.07	0.945	O	|	|	|	|	0.46
58.417	0.00	1.06	0.938	O	|	|	|	|	0.46
58.500	0.00	1.05	0.930	O	|	|	|	|	0.45
58.583	0.00	1.04	0.923	O	|	|	|	|	0.45
58.667	0.00	1.04	0.916	O	|	|	|	|	0.45
58.750	0.00	1.03	0.909	O	|	|	|	|	0.44
58.833	0.00	1.02	0.902	O	|	|	|	|	0.44
58.917	0.00	1.01	0.895	O	|	|	|	|	0.44
59.000	0.00	1.00	0.888	O	|	|	|	|	0.43
59.083	0.00	1.00	0.881	O	|	|	|	|	0.43
59.167	0.00	0.99	0.874	O	|	|	|	|	0.43
59.250	0.00	0.98	0.867	O	|	|	|	|	0.42
59.333	0.00	0.97	0.861	O	|	|	|	|	0.42
59.417	0.00	0.97	0.854	O	|	|	|	|	0.42
59.500	0.00	0.96	0.847	O	|	|	|	|	0.41
59.583	0.00	0.95	0.841	O	|	|	|	|	0.41
59.667	0.00	0.94	0.834	O	|	|	|	|	0.41
59.750	0.00	0.94	0.828	O	|	|	|	|	0.40
59.833	0.00	0.93	0.821	O	|	|	|	|	0.40
59.917	0.00	0.92	0.815	O	|	|	|	|	0.40
60.000	0.00	0.91	0.808	O	|	|	|	|	0.39
60.083	0.00	0.91	0.802	O	|	|	|	|	0.39
60.167	0.00	0.90	0.796	O	|	|	|	|	0.39
60.250	0.00	0.89	0.790	O	|	|	|	|	0.39
60.333	0.00	0.89	0.784	O	|	|	|	|	0.38
60.417	0.00	0.88	0.778	O	|	|	|	|	0.38
60.500	0.00	0.87	0.772	O	|	|	|	|	0.38
60.583	0.00	0.87	0.766	O	|	|	|	|	0.37
60.667	0.00	0.86	0.760	O	|	|	|	|	0.37
60.750	0.00	0.85	0.754	O	|	|	|	|	0.37
60.833	0.00	0.85	0.748	O	|	|	|	|	0.36
60.917	0.00	0.84	0.742	O	|	|	|	|	0.36
61.000	0.00	0.83	0.736	O	|	|	|	|	0.36
61.083	0.00	0.83	0.731	O	|	|	|	|	0.36
61.167	0.00	0.82	0.725	O	|	|	|	|	0.35
61.250	0.00	0.81	0.719	O	|	|	|	|	0.35
61.333	0.00	0.81	0.714	O	|	|	|	|	0.35
61.417	0.00	0.80	0.708	O	|	|	|	|	0.35
61.500	0.00	0.80	0.703	O	|	|	|	|	0.34
61.583	0.00	0.79	0.697	O	|	|	|	|	0.34
61.667	0.00	0.78	0.692	O	|	|	|	|	0.34
61.750	0.00	0.78	0.686	O	|	|	|	|	0.33
61.833	0.00	0.77	0.681	O	|	|	|	|	0.33
61.917	0.00	0.76	0.676	O	|	|	|	|	0.33
62.000	0.00	0.76	0.671	O	|	|	|	|	0.33
62.083	0.00	0.75	0.665	O	|	|	|	|	0.32
62.167	0.00	0.75	0.660	O	|	|	|	|	0.32
62.250	0.00	0.74	0.655	O	|	|	|	|	0.32
62.333	0.00	0.74	0.650	O	|	|	|	|	0.32

62.417	0.00	0.73	0.645	O	|	|	|	|	0.31
62.500	0.00	0.72	0.640	O	|	|	|	|	0.31
62.583	0.00	0.72	0.635	O	|	|	|	|	0.31
62.667	0.00	0.71	0.630	O	|	|	|	|	0.31
62.750	0.00	0.71	0.625	O	|	|	|	|	0.30
62.833	0.00	0.70	0.620	O	|	|	|	|	0.30
62.917	0.00	0.70	0.615	O	|	|	|	|	0.30
63.000	0.00	0.69	0.611	O	|	|	|	|	0.30
63.083	0.00	0.69	0.606	O	|	|	|	|	0.30
63.167	0.00	0.68	0.601	O	|	|	|	|	0.29
63.250	0.00	0.68	0.597	O	|	|	|	|	0.29
63.333	0.00	0.67	0.592	O	|	|	|	|	0.29
63.417	0.00	0.66	0.587	O	|	|	|	|	0.29
63.500	0.00	0.66	0.583	O	|	|	|	|	0.28
63.583	0.00	0.65	0.578	O	|	|	|	|	0.28
63.667	0.00	0.65	0.574	O	|	|	|	|	0.28
63.750	0.00	0.64	0.569	O	|	|	|	|	0.28
63.833	0.00	0.64	0.565	O	|	|	|	|	0.28
63.917	0.00	0.63	0.561	O	|	|	|	|	0.27
64.000	0.00	0.63	0.556	O	|	|	|	|	0.27
64.083	0.00	0.62	0.552	O	|	|	|	|	0.27
64.167	0.00	0.62	0.548	O	|	|	|	|	0.27
64.250	0.00	0.61	0.543	O	|	|	|	|	0.27
64.333	0.00	0.61	0.539	O	|	|	|	|	0.26
64.417	0.00	0.61	0.535	O	|	|	|	|	0.26
64.500	0.00	0.60	0.531	O	|	|	|	|	0.26
64.583	0.00	0.60	0.527	O	|	|	|	|	0.26
64.667	0.00	0.59	0.523	O	|	|	|	|	0.25
64.750	0.00	0.59	0.518	O	|	|	|	|	0.25
64.833	0.00	0.58	0.514	O	|	|	|	|	0.25
64.917	0.00	0.58	0.510	O	|	|	|	|	0.25
65.000	0.00	0.57	0.506	O	|	|	|	|	0.25
65.083	0.00	0.57	0.503	O	|	|	|	|	0.25
65.167	0.00	0.56	0.499	O	|	|	|	|	0.24
65.250	0.00	0.56	0.495	O	|	|	|	|	0.24
65.333	0.00	0.56	0.491	O	|	|	|	|	0.24
65.417	0.00	0.55	0.487	O	|	|	|	|	0.24
65.500	0.00	0.55	0.483	O	|	|	|	|	0.24
65.583	0.00	0.54	0.480	O	|	|	|	|	0.23
65.667	0.00	0.54	0.476	O	|	|	|	|	0.23
65.750	0.00	0.53	0.472	O	|	|	|	|	0.23
65.833	0.00	0.53	0.469	O	|	|	|	|	0.23
65.917	0.00	0.53	0.465	O	|	|	|	|	0.23
66.000	0.00	0.52	0.461	O	|	|	|	|	0.23
66.083	0.00	0.52	0.458	O	|	|	|	|	0.22
66.167	0.00	0.51	0.454	O	|	|	|	|	0.22
66.250	0.00	0.51	0.451	O	|	|	|	|	0.22
66.333	0.00	0.51	0.447	O	|	|	|	|	0.22
66.417	0.00	0.50	0.444	O	|	|	|	|	0.22
66.500	0.00	0.50	0.440	O	|	|	|	|	0.21
66.583	0.00	0.49	0.437	O	|	|	|	|	0.21
66.667	0.00	0.49	0.433	O	|	|	|	|	0.21
66.750	0.00	0.49	0.430	O	|	|	|	|	0.21
66.833	0.00	0.48	0.427	O	|	|	|	|	0.21
66.917	0.00	0.48	0.423	O	|	|	|	|	0.21
67.000	0.00	0.48	0.420	O	|	|	|	|	0.20
67.083	0.00	0.47	0.417	O	|	|	|	|	0.20
67.167	0.00	0.47	0.414	O	|	|	|	|	0.20
67.250	0.00	0.46	0.410	O	|	|	|	|	0.20
67.333	0.00	0.46	0.407	O	|	|	|	|	0.20
67.417	0.00	0.46	0.404	O	|	|	|	|	0.20
67.500	0.00	0.45	0.401	O	|	|	|	|	0.20
67.583	0.00	0.45	0.398	O	|	|	|	|	0.19
67.667	0.00	0.45	0.395	O	|	|	|	|	0.19
67.750	0.00	0.44	0.392	O	|	|	|	|	0.19
67.833	0.00	0.44	0.389	O	|	|	|	|	0.19
67.917	0.00	0.44	0.386	O	|	|	|	|	0.19
68.000	0.00	0.43	0.383	O	|	|	|	|	0.19

68.083	0.00	0.43	0.380	O	|	|	|	|	0.19
68.167	0.00	0.43	0.377	O	|	|	|	|	0.18
68.250	0.00	0.42	0.374	O	|	|	|	|	0.18
68.333	0.00	0.42	0.371	O	|	|	|	|	0.18
68.417	0.00	0.42	0.368	O	|	|	|	|	0.18
68.500	0.00	0.41	0.365	O	|	|	|	|	0.18
68.583	0.00	0.41	0.362	O	|	|	|	|	0.18
68.667	0.00	0.41	0.359	O	|	|	|	|	0.18
68.750	0.00	0.40	0.357	O	|	|	|	|	0.17
68.833	0.00	0.40	0.354	O	|	|	|	|	0.17
68.917	0.00	0.40	0.351	O	|	|	|	|	0.17
69.000	0.00	0.39	0.348	O	|	|	|	|	0.17
69.083	0.00	0.39	0.346	O	|	|	|	|	0.17
69.167	0.00	0.39	0.343	O	|	|	|	|	0.17
69.250	0.00	0.39	0.340	O	|	|	|	|	0.17
69.333	0.00	0.38	0.338	O	|	|	|	|	0.16
69.417	0.00	0.38	0.335	O	|	|	|	|	0.16
69.500	0.00	0.38	0.332	O	|	|	|	|	0.16
69.583	0.00	0.37	0.330	O	|	|	|	|	0.16
69.667	0.00	0.37	0.327	O	|	|	|	|	0.16
69.750	0.00	0.37	0.325	O	|	|	|	|	0.16
69.833	0.00	0.36	0.322	O	|	|	|	|	0.16
69.917	0.00	0.36	0.320	O	|	|	|	|	0.16
70.000	0.00	0.36	0.317	O	|	|	|	|	0.15
70.083	0.00	0.36	0.315	O	|	|	|	|	0.15
70.167	0.00	0.35	0.312	O	|	|	|	|	0.15
70.250	0.00	0.35	0.310	O	|	|	|	|	0.15
70.333	0.00	0.35	0.308	O	|	|	|	|	0.15
70.417	0.00	0.35	0.305	O	|	|	|	|	0.15
70.500	0.00	0.34	0.303	O	|	|	|	|	0.15
70.583	0.00	0.34	0.300	O	|	|	|	|	0.15
70.667	0.00	0.34	0.298	O	|	|	|	|	0.15
70.750	0.00	0.33	0.296	O	|	|	|	|	0.14
70.833	0.00	0.33	0.294	O	|	|	|	|	0.14
70.917	0.00	0.33	0.291	O	|	|	|	|	0.14
71.000	0.00	0.33	0.289	O	|	|	|	|	0.14
71.083	0.00	0.32	0.287	O	|	|	|	|	0.14
71.167	0.00	0.32	0.285	O	|	|	|	|	0.14
71.250	0.00	0.32	0.282	O	|	|	|	|	0.14
71.333	0.00	0.32	0.280	O	|	|	|	|	0.14
71.417	0.00	0.31	0.278	O	|	|	|	|	0.14
71.500	0.00	0.31	0.276	O	|	|	|	|	0.13
71.583	0.00	0.31	0.274	O	|	|	|	|	0.13
71.667	0.00	0.31	0.272	O	|	|	|	|	0.13
71.750	0.00	0.30	0.269	O	|	|	|	|	0.13
71.833	0.00	0.30	0.267	O	|	|	|	|	0.13
71.917	0.00	0.30	0.265	O	|	|	|	|	0.13
72.000	0.00	0.30	0.263	O	|	|	|	|	0.13
72.083	0.00	0.30	0.261	O	|	|	|	|	0.13
72.167	0.00	0.29	0.259	O	|	|	|	|	0.13
72.250	0.00	0.29	0.257	O	|	|	|	|	0.13
72.333	0.00	0.29	0.255	O	|	|	|	|	0.12
72.417	0.00	0.29	0.253	O	|	|	|	|	0.12
72.500	0.00	0.28	0.251	O	|	|	|	|	0.12
72.583	0.00	0.28	0.249	O	|	|	|	|	0.12
72.667	0.00	0.28	0.247	O	|	|	|	|	0.12
72.750	0.00	0.28	0.245	O	|	|	|	|	0.12
72.833	0.00	0.28	0.243	O	|	|	|	|	0.12
72.917	0.00	0.27	0.242	O	|	|	|	|	0.12
73.000	0.00	0.27	0.240	O	|	|	|	|	0.12
73.083	0.00	0.27	0.238	O	|	|	|	|	0.12
73.167	0.00	0.27	0.236	O	|	|	|	|	0.12
73.250	0.00	0.26	0.234	O	|	|	|	|	0.11
73.333	0.00	0.26	0.232	O	|	|	|	|	0.11
73.417	0.00	0.26	0.231	O	|	|	|	|	0.11
73.500	0.00	0.26	0.229	O	|	|	|	|	0.11
73.583	0.00	0.26	0.227	O	|	|	|	|	0.11
73.667	0.00	0.25	0.225	O	|	|	|	|	0.11

73.750	0.00	0.25	0.223	O	|	|	|	|	0.11
73.833	0.00	0.25	0.222	O	|	|	|	|	0.11
73.917	0.00	0.25	0.220	O	|	|	|	|	0.11
74.000	0.00	0.25	0.218	O	|	|	|	|	0.11
74.083	0.00	0.25	0.217	O	|	|	|	|	0.11
74.167	0.00	0.24	0.215	O	|	|	|	|	0.10
74.250	0.00	0.24	0.213	O	|	|	|	|	0.10
74.333	0.00	0.24	0.212	O	|	|	|	|	0.10
74.417	0.00	0.24	0.210	O	|	|	|	|	0.10
74.500	0.00	0.24	0.208	O	|	|	|	|	0.10
74.583	0.00	0.23	0.207	O	|	|	|	|	0.10
74.667	0.00	0.23	0.205	O	|	|	|	|	0.10
74.750	0.00	0.23	0.203	O	|	|	|	|	0.10
74.833	0.00	0.23	0.202	O	|	|	|	|	0.10
74.917	0.00	0.23	0.200	O	|	|	|	|	0.10
75.000	0.00	0.22	0.199	O	|	|	|	|	0.10
75.083	0.00	0.22	0.197	O	|	|	|	|	0.10
75.167	0.00	0.22	0.196	O	|	|	|	|	0.10
75.250	0.00	0.22	0.194	O	|	|	|	|	0.09
75.333	0.00	0.22	0.193	O	|	|	|	|	0.09
75.417	0.00	0.22	0.191	O	|	|	|	|	0.09
75.500	0.00	0.21	0.190	O	|	|	|	|	0.09
75.583	0.00	0.21	0.188	O	|	|	|	|	0.09
75.667	0.00	0.21	0.187	O	|	|	|	|	0.09
75.750	0.00	0.21	0.185	O	|	|	|	|	0.09
75.833	0.00	0.21	0.184	O	|	|	|	|	0.09
75.917	0.00	0.21	0.182	O	|	|	|	|	0.09
76.000	0.00	0.20	0.181	O	|	|	|	|	0.09
76.083	0.00	0.20	0.180	O	|	|	|	|	0.09
76.167	0.00	0.20	0.178	O	|	|	|	|	0.09
76.250	0.00	0.20	0.177	O	|	|	|	|	0.09
76.333	0.00	0.20	0.175	O	|	|	|	|	0.09
76.417	0.00	0.20	0.174	O	|	|	|	|	0.08
76.500	0.00	0.20	0.173	O	|	|	|	|	0.08
76.583	0.00	0.19	0.171	O	|	|	|	|	0.08
76.667	0.00	0.19	0.170	O	|	|	|	|	0.08
76.750	0.00	0.19	0.169	O	|	|	|	|	0.08
76.833	0.00	0.19	0.167	O	|	|	|	|	0.08
76.917	0.00	0.19	0.166	O	|	|	|	|	0.08
77.000	0.00	0.19	0.165	O	|	|	|	|	0.08
77.083	0.00	0.19	0.164	O	|	|	|	|	0.08
77.167	0.00	0.18	0.162	O	|	|	|	|	0.08
77.250	0.00	0.18	0.161	O	|	|	|	|	0.08
77.333	0.00	0.18	0.160	O	|	|	|	|	0.08
77.417	0.00	0.18	0.159	O	|	|	|	|	0.08
77.500	0.00	0.18	0.157	O	|	|	|	|	0.08
77.583	0.00	0.18	0.156	O	|	|	|	|	0.08
77.667	0.00	0.18	0.155	O	|	|	|	|	0.08
77.750	0.00	0.17	0.154	O	|	|	|	|	0.07
77.833	0.00	0.17	0.153	O	|	|	|	|	0.07
77.917	0.00	0.17	0.151	O	|	|	|	|	0.07
78.000	0.00	0.17	0.150	O	|	|	|	|	0.07
78.083	0.00	0.17	0.149	O	|	|	|	|	0.07
78.167	0.00	0.17	0.148	O	|	|	|	|	0.07
78.250	0.00	0.17	0.147	O	|	|	|	|	0.07
78.333	0.00	0.16	0.146	O	|	|	|	|	0.07
78.417	0.00	0.16	0.144	O	|	|	|	|	0.07
78.500	0.00	0.16	0.143	O	|	|	|	|	0.07
78.583	0.00	0.16	0.142	O	|	|	|	|	0.07
78.667	0.00	0.16	0.141	O	|	|	|	|	0.07
78.750	0.00	0.16	0.140	O	|	|	|	|	0.07
78.833	0.00	0.16	0.139	O	|	|	|	|	0.07
78.917	0.00	0.16	0.138	O	|	|	|	|	0.07
79.000	0.00	0.15	0.137	O	|	|	|	|	0.07
79.083	0.00	0.15	0.136	O	|	|	|	|	0.07
79.167	0.00	0.15	0.135	O	|	|	|	|	0.07
79.250	0.00	0.15	0.134	O	|	|	|	|	0.07
79.333	0.00	0.15	0.133	O	|	|	|	|	0.06

79.417	0.00	0.15	0.132	O	|	|	|	|	0.06
79.500	0.00	0.15	0.130	O	|	|	|	|	0.06
79.583	0.00	0.15	0.129	O	|	|	|	|	0.06
79.667	0.00	0.15	0.128	O	|	|	|	|	0.06
79.750	0.00	0.14	0.127	O	|	|	|	|	0.06
79.833	0.00	0.14	0.126	O	|	|	|	|	0.06
79.917	0.00	0.14	0.126	O	|	|	|	|	0.06
80.000	0.00	0.14	0.125	O	|	|	|	|	0.06
80.083	0.00	0.14	0.124	O	|	|	|	|	0.06
80.167	0.00	0.14	0.123	O	|	|	|	|	0.06
80.250	0.00	0.14	0.122	O	|	|	|	|	0.06
80.333	0.00	0.14	0.121	O	|	|	|	|	0.06
80.417	0.00	0.14	0.120	O	|	|	|	|	0.06
80.500	0.00	0.13	0.119	O	|	|	|	|	0.06
80.583	0.00	0.13	0.118	O	|	|	|	|	0.06
80.667	0.00	0.13	0.117	O	|	|	|	|	0.06
80.750	0.00	0.13	0.116	O	|	|	|	|	0.06
80.833	0.00	0.13	0.115	O	|	|	|	|	0.06
80.917	0.00	0.13	0.114	O	|	|	|	|	0.06
81.000	0.00	0.13	0.113	O	|	|	|	|	0.06
81.083	0.00	0.13	0.113	O	|	|	|	|	0.05
81.167	0.00	0.13	0.112	O	|	|	|	|	0.05
81.250	0.00	0.13	0.111	O	|	|	|	|	0.05
81.333	0.00	0.12	0.110	O	|	|	|	|	0.05
81.417	0.00	0.12	0.109	O	|	|	|	|	0.05
81.500	0.00	0.12	0.108	O	|	|	|	|	0.05
81.583	0.00	0.12	0.107	O	|	|	|	|	0.05
81.667	0.00	0.12	0.107	O	|	|	|	|	0.05
81.750	0.00	0.12	0.106	O	|	|	|	|	0.05
81.833	0.00	0.12	0.105	O	|	|	|	|	0.05
81.917	0.00	0.12	0.104	O	|	|	|	|	0.05
82.000	0.00	0.12	0.103	O	|	|	|	|	0.05
82.083	0.00	0.12	0.102	O	|	|	|	|	0.05
82.167	0.00	0.12	0.102	O	|	|	|	|	0.05
82.250	0.00	0.11	0.101	O	|	|	|	|	0.05
82.333	0.00	0.11	0.100	O	|	|	|	|	0.05
82.417	0.00	0.11	0.099	O	|	|	|	|	0.05
82.500	0.00	0.11	0.099	O	|	|	|	|	0.05
82.583	0.00	0.11	0.098	O	|	|	|	|	0.05
82.667	0.00	0.11	0.097	O	|	|	|	|	0.05
82.750	0.00	0.11	0.096	O	|	|	|	|	0.05
82.833	0.00	0.11	0.096	O	|	|	|	|	0.05
82.917	0.00	0.11	0.095	O	|	|	|	|	0.05
83.000	0.00	0.11	0.094	O	|	|	|	|	0.05
83.083	0.00	0.11	0.093	O	|	|	|	|	0.05
83.167	0.00	0.10	0.093	O	|	|	|	|	0.05
83.250	0.00	0.10	0.092	O	|	|	|	|	0.04
83.333	0.00	0.10	0.091	O	|	|	|	|	0.04
83.417	0.00	0.10	0.090	O	|	|	|	|	0.04
83.500	0.00	0.10	0.090	O	|	|	|	|	0.04
83.583	0.00	0.10	0.089	O	|	|	|	|	0.04
83.667	0.00	0.10	0.088	O	|	|	|	|	0.04
83.750	0.00	0.10	0.088	O	|	|	|	|	0.04
83.833	0.00	0.10	0.087	O	|	|	|	|	0.04
83.917	0.00	0.10	0.086	O	|	|	|	|	0.04
84.000	0.00	0.10	0.086	O	|	|	|	|	0.04
84.083	0.00	0.10	0.085	O	|	|	|	|	0.04
84.167	0.00	0.10	0.084	O	|	|	|	|	0.04
84.250	0.00	0.09	0.084	O	|	|	|	|	0.04
84.333	0.00	0.09	0.083	O	|	|	|	|	0.04
84.417	0.00	0.09	0.082	O	|	|	|	|	0.04
84.500	0.00	0.09	0.082	O	|	|	|	|	0.04
84.583	0.00	0.09	0.081	O	|	|	|	|	0.04
84.667	0.00	0.09	0.080	O	|	|	|	|	0.04
84.750	0.00	0.09	0.080	O	|	|	|	|	0.04
84.833	0.00	0.09	0.079	O	|	|	|	|	0.04
84.917	0.00	0.09	0.079	O	|	|	|	|	0.04
85.000	0.00	0.09	0.078	O	|	|	|	|	0.04

85.083	0.00	0.09	0.077	O	|	|	|	|	0.04
85.167	0.00	0.09	0.077	O	|	|	|	|	0.04
85.250	0.00	0.09	0.076	O	|	|	|	|	0.04
85.333	0.00	0.09	0.076	O	|	|	|	|	0.04
85.417	0.00	0.08	0.075	O	|	|	|	|	0.04
85.500	0.00	0.08	0.074	O	|	|	|	|	0.04
85.583	0.00	0.08	0.074	O	|	|	|	|	0.04
85.667	0.00	0.08	0.073	O	|	|	|	|	0.04
85.750	0.00	0.08	0.073	O	|	|	|	|	0.04
85.833	0.00	0.08	0.072	O	|	|	|	|	0.04
85.917	0.00	0.08	0.072	O	|	|	|	|	0.03
86.000	0.00	0.08	0.071	O	|	|	|	|	0.03
86.083	0.00	0.08	0.070	O	|	|	|	|	0.03
86.167	0.00	0.08	0.070	O	|	|	|	|	0.03
86.250	0.00	0.08	0.069	O	|	|	|	|	0.03
86.333	0.00	0.08	0.069	O	|	|	|	|	0.03
86.417	0.00	0.08	0.068	O	|	|	|	|	0.03
86.500	0.00	0.08	0.068	O	|	|	|	|	0.03
86.583	0.00	0.08	0.067	O	|	|	|	|	0.03
86.667	0.00	0.08	0.067	O	|	|	|	|	0.03
86.750	0.00	0.07	0.066	O	|	|	|	|	0.03
86.833	0.00	0.07	0.066	O	|	|	|	|	0.03
86.917	0.00	0.07	0.065	O	|	|	|	|	0.03
87.000	0.00	0.07	0.065	O	|	|	|	|	0.03
87.083	0.00	0.07	0.064	O	|	|	|	|	0.03
87.167	0.00	0.07	0.064	O	|	|	|	|	0.03
87.250	0.00	0.07	0.063	O	|	|	|	|	0.03
87.333	0.00	0.07	0.063	O	|	|	|	|	0.03
87.417	0.00	0.07	0.062	O	|	|	|	|	0.03
87.500	0.00	0.07	0.062	O	|	|	|	|	0.03
87.583	0.00	0.07	0.061	O	|	|	|	|	0.03
87.667	0.00	0.07	0.061	O	|	|	|	|	0.03
87.750	0.00	0.07	0.060	O	|	|	|	|	0.03
87.833	0.00	0.07	0.060	O	|	|	|	|	0.03
87.917	0.00	0.07	0.059	O	|	|	|	|	0.03
88.000	0.00	0.07	0.059	O	|	|	|	|	0.03
88.083	0.00	0.07	0.058	O	|	|	|	|	0.03
88.167	0.00	0.07	0.058	O	|	|	|	|	0.03
88.250	0.00	0.07	0.058	O	|	|	|	|	0.03
88.333	0.00	0.06	0.057	O	|	|	|	|	0.03
88.417	0.00	0.06	0.057	O	|	|	|	|	0.03
88.500	0.00	0.06	0.056	O	|	|	|	|	0.03
88.583	0.00	0.06	0.056	O	|	|	|	|	0.03
88.667	0.00	0.06	0.055	O	|	|	|	|	0.03
88.750	0.00	0.06	0.055	O	|	|	|	|	0.03
88.833	0.00	0.06	0.055	O	|	|	|	|	0.03
88.917	0.00	0.06	0.054	O	|	|	|	|	0.03
89.000	0.00	0.06	0.054	O	|	|	|	|	0.03
89.083	0.00	0.06	0.053	O	|	|	|	|	0.03
89.167	0.00	0.06	0.053	O	|	|	|	|	0.03
89.250	0.00	0.06	0.052	O	|	|	|	|	0.03
89.333	0.00	0.06	0.052	O	|	|	|	|	0.03
89.417	0.00	0.06	0.052	O	|	|	|	|	0.03
89.500	0.00	0.06	0.051	O	|	|	|	|	0.02
89.583	0.00	0.06	0.051	O	|	|	|	|	0.02
89.667	0.00	0.06	0.050	O	|	|	|	|	0.02
89.750	0.00	0.06	0.050	O	|	|	|	|	0.02
89.833	0.00	0.06	0.050	O	|	|	|	|	0.02
89.917	0.00	0.06	0.049	O	|	|	|	|	0.02
90.000	0.00	0.06	0.049	O	|	|	|	|	0.02
90.083	0.00	0.05	0.048	O	|	|	|	|	0.02
90.167	0.00	0.05	0.048	O	|	|	|	|	0.02
90.250	0.00	0.05	0.048	O	|	|	|	|	0.02
90.333	0.00	0.05	0.047	O	|	|	|	|	0.02
90.417	0.00	0.05	0.047	O	|	|	|	|	0.02
90.500	0.00	0.05	0.047	O	|	|	|	|	0.02
90.583	0.00	0.05	0.046	O	|	|	|	|	0.02
90.667	0.00	0.05	0.046	O	|	|	|	|	0.02

90.750	0.00	0.05	0.046	O	|	|	|	|	0.02
90.833	0.00	0.05	0.045	O	|	|	|	|	0.02
90.917	0.00	0.05	0.045	O	|	|	|	|	0.02
91.000	0.00	0.05	0.045	O	|	|	|	|	0.02
91.083	0.00	0.05	0.044	O	|	|	|	|	0.02
91.167	0.00	0.05	0.044	O	|	|	|	|	0.02
91.250	0.00	0.05	0.043	O	|	|	|	|	0.02
91.333	0.00	0.05	0.043	O	|	|	|	|	0.02
91.417	0.00	0.05	0.043	O	|	|	|	|	0.02
91.500	0.00	0.05	0.042	O	|	|	|	|	0.02
91.583	0.00	0.05	0.042	O	|	|	|	|	0.02
91.667	0.00	0.05	0.042	O	|	|	|	|	0.02
91.750	0.00	0.05	0.041	O	|	|	|	|	0.02
91.833	0.00	0.05	0.041	O	|	|	|	|	0.02
91.917	0.00	0.05	0.041	O	|	|	|	|	0.02
92.000	0.00	0.05	0.041	O	|	|	|	|	0.02
92.083	0.00	0.05	0.040	O	|	|	|	|	0.02
92.167	0.00	0.05	0.040	O	|	|	|	|	0.02
92.250	0.00	0.04	0.040	O	|	|	|	|	0.02
92.333	0.00	0.04	0.039	O	|	|	|	|	0.02
92.417	0.00	0.04	0.039	O	|	|	|	|	0.02
92.500	0.00	0.04	0.039	O	|	|	|	|	0.02
92.583	0.00	0.04	0.038	O	|	|	|	|	0.02
92.667	0.00	0.04	0.038	O	|	|	|	|	0.02
92.750	0.00	0.04	0.038	O	|	|	|	|	0.02
92.833	0.00	0.04	0.037	O	|	|	|	|	0.02
92.917	0.00	0.04	0.037	O	|	|	|	|	0.02
93.000	0.00	0.04	0.037	O	|	|	|	|	0.02
93.083	0.00	0.04	0.037	O	|	|	|	|	0.02
93.167	0.00	0.04	0.036	O	|	|	|	|	0.02
93.250	0.00	0.04	0.036	O	|	|	|	|	0.02
93.333	0.00	0.04	0.036	O	|	|	|	|	0.02
93.417	0.00	0.04	0.036	O	|	|	|	|	0.02
93.500	0.00	0.04	0.035	O	|	|	|	|	0.02
93.583	0.00	0.04	0.035	O	|	|	|	|	0.02
93.667	0.00	0.04	0.035	O	|	|	|	|	0.02
93.750	0.00	0.04	0.034	O	|	|	|	|	0.02
93.833	0.00	0.04	0.034	O	|	|	|	|	0.02
93.917	0.00	0.04	0.034	O	|	|	|	|	0.02
94.000	0.00	0.04	0.034	O	|	|	|	|	0.02
94.083	0.00	0.04	0.033	O	|	|	|	|	0.02
94.167	0.00	0.04	0.033	O	|	|	|	|	0.02
94.250	0.00	0.04	0.033	O	|	|	|	|	0.02
94.333	0.00	0.04	0.033	O	|	|	|	|	0.02
94.417	0.00	0.04	0.032	O	|	|	|	|	0.02
94.500	0.00	0.04	0.032	O	|	|	|	|	0.02
94.583	0.00	0.04	0.032	O	|	|	|	|	0.02
94.667	0.00	0.04	0.032	O	|	|	|	|	0.02
94.750	0.00	0.04	0.031	O	|	|	|	|	0.02
94.833	0.00	0.04	0.031	O	|	|	|	|	0.02
94.917	0.00	0.03	0.031	O	|	|	|	|	0.02
95.000	0.00	0.03	0.031	O	|	|	|	|	0.01
95.083	0.00	0.03	0.030	O	|	|	|	|	0.01
95.167	0.00	0.03	0.030	O	|	|	|	|	0.01
95.250	0.00	0.03	0.030	O	|	|	|	|	0.01
95.333	0.00	0.03	0.030	O	|	|	|	|	0.01
95.417	0.00	0.03	0.029	O	|	|	|	|	0.01
95.500	0.00	0.03	0.029	O	|	|	|	|	0.01
95.583	0.00	0.03	0.029	O	|	|	|	|	0.01
95.667	0.00	0.03	0.029	O	|	|	|	|	0.01
95.750	0.00	0.03	0.029	O	|	|	|	|	0.01
95.833	0.00	0.03	0.028	O	|	|	|	|	0.01
95.917	0.00	0.03	0.028	O	|	|	|	|	0.01
96.000	0.00	0.03	0.028	O	|	|	|	|	0.01
96.083	0.00	0.03	0.028	O	|	|	|	|	0.01
96.167	0.00	0.03	0.027	O	|	|	|	|	0.01
96.250	0.00	0.03	0.027	O	|	|	|	|	0.01
96.333	0.00	0.03	0.027	O	|	|	|	|	0.01

96.417	0.00	0.03	0.027	O	|	|	|	|	0.01
96.500	0.00	0.03	0.027	O	|	|	|	|	0.01
96.583	0.00	0.03	0.026	O	|	|	|	|	0.01
96.667	0.00	0.03	0.026	O	|	|	|	|	0.01
96.750	0.00	0.03	0.026	O	|	|	|	|	0.01
96.833	0.00	0.03	0.026	O	|	|	|	|	0.01
96.917	0.00	0.03	0.026	O	|	|	|	|	0.01
97.000	0.00	0.03	0.025	O	|	|	|	|	0.01
97.083	0.00	0.03	0.025	O	|	|	|	|	0.01
97.167	0.00	0.03	0.025	O	|	|	|	|	0.01
97.250	0.00	0.03	0.025	O	|	|	|	|	0.01
97.333	0.00	0.03	0.025	O	|	|	|	|	0.01
97.417	0.00	0.03	0.024	O	|	|	|	|	0.01
97.500	0.00	0.03	0.024	O	|	|	|	|	0.01
97.583	0.00	0.03	0.024	O	|	|	|	|	0.01
97.667	0.00	0.03	0.024	O	|	|	|	|	0.01
97.750	0.00	0.03	0.024	O	|	|	|	|	0.01
97.833	0.00	0.03	0.023	O	|	|	|	|	0.01
97.917	0.00	0.03	0.023	O	|	|	|	|	0.01
98.000	0.00	0.03	0.023	O	|	|	|	|	0.01
98.083	0.00	0.03	0.023	O	|	|	|	|	0.01
98.167	0.00	0.03	0.023	O	|	|	|	|	0.01
98.250	0.00	0.03	0.023	O	|	|	|	|	0.01
98.333	0.00	0.03	0.022	O	|	|	|	|	0.01
98.417	0.00	0.03	0.022	O	|	|	|	|	0.01
98.500	0.00	0.02	0.022	O	|	|	|	|	0.01
98.583	0.00	0.02	0.022	O	|	|	|	|	0.01
98.667	0.00	0.02	0.022	O	|	|	|	|	0.01
98.750	0.00	0.02	0.022	O	|	|	|	|	0.01
98.833	0.00	0.02	0.021	O	|	|	|	|	0.01
98.917	0.00	0.02	0.021	O	|	|	|	|	0.01
99.000	0.00	0.02	0.021	O	|	|	|	|	0.01
99.083	0.00	0.02	0.021	O	|	|	|	|	0.01
99.167	0.00	0.02	0.021	O	|	|	|	|	0.01
99.250	0.00	0.02	0.021	O	|	|	|	|	0.01
99.333	0.00	0.02	0.020	O	|	|	|	|	0.01
99.417	0.00	0.02	0.020	O	|	|	|	|	0.01
99.500	0.00	0.02	0.020	O	|	|	|	|	0.01
99.583	0.00	0.02	0.020	O	|	|	|	|	0.01
99.667	0.00	0.02	0.020	O	|	|	|	|	0.01
99.750	0.00	0.02	0.020	O	|	|	|	|	0.01
99.833	0.00	0.02	0.019	O	|	|	|	|	0.01
99.917	0.00	0.02	0.019	O	|	|	|	|	0.01
100.000	0.00	0.02	0.019	O	|	|	|	|	0.01
100.083	0.00	0.02	0.019	O	|	|	|	|	0.01
100.167	0.00	0.02	0.019	O	|	|	|	|	0.01
100.250	0.00	0.02	0.019	O	|	|	|	|	0.01
100.333	0.00	0.02	0.019	O	|	|	|	|	0.01
100.417	0.00	0.02	0.018	O	|	|	|	|	0.01
100.500	0.00	0.02	0.018	O	|	|	|	|	0.01
100.583	0.00	0.02	0.018	O	|	|	|	|	0.01
100.667	0.00	0.02	0.018	O	|	|	|	|	0.01
100.750	0.00	0.02	0.018	O	|	|	|	|	0.01
100.833	0.00	0.02	0.018	O	|	|	|	|	0.01
100.917	0.00	0.02	0.018	O	|	|	|	|	0.01
101.000	0.00	0.02	0.017	O	|	|	|	|	0.01
101.083	0.00	0.02	0.017	O	|	|	|	|	0.01
101.167	0.00	0.02	0.017	O	|	|	|	|	0.01
101.250	0.00	0.02	0.017	O	|	|	|	|	0.01
101.333	0.00	0.02	0.017	O	|	|	|	|	0.01
101.417	0.00	0.02	0.017	O	|	|	|	|	0.01
101.500	0.00	0.02	0.017	O	|	|	|	|	0.01
101.583	0.00	0.02	0.017	O	|	|	|	|	0.01
101.667	0.00	0.02	0.016	O	|	|	|	|	0.01
101.750	0.00	0.02	0.016	O	|	|	|	|	0.01
101.833	0.00	0.02	0.016	O	|	|	|	|	0.01
101.917	0.00	0.02	0.016	O	|	|	|	|	0.01
102.000	0.00	0.02	0.016	O	|	|	|	|	0.01

102.083	0.00	0.02	0.016	O					0.01
102.167	0.00	0.02	0.016	O					0.01
102.250	0.00	0.02	0.016	O					0.01
102.333	0.00	0.02	0.015	O					0.01
102.417	0.00	0.02	0.015	O					0.01
102.500	0.00	0.02	0.015	O					0.01
102.583	0.00	0.02	0.015	O					0.01
102.667	0.00	0.02	0.015	O					0.01
102.750	0.00	0.02	0.015	O					0.01
102.833	0.00	0.02	0.015	O					0.01
102.917	0.00	0.02	0.015	O					0.01
103.000	0.00	0.02	0.014	O					0.01
103.083	0.00	0.02	0.014	O					0.01
103.167	0.00	0.02	0.014	O					0.01
103.250	0.00	0.02	0.014	O					0.01
103.333	0.00	0.02	0.014	O					0.01
103.417	0.00	0.02	0.014	O					0.01
103.500	0.00	0.02	0.014	O					0.01
103.583	0.00	0.02	0.014	O					0.01
103.667	0.00	0.02	0.014	O					0.01
103.750	0.00	0.02	0.014	O					0.01
103.833	0.00	0.02	0.013	O					0.01
103.917	0.00	0.02	0.013	O					0.01
104.000	0.00	0.01	0.013	O					0.01
104.083	0.00	0.01	0.013	O					0.01
104.167	0.00	0.01	0.013	O					0.01
104.250	0.00	0.01	0.013	O					0.01
104.333	0.00	0.01	0.013	O					0.01
104.417	0.00	0.01	0.013	O					0.01
104.500	0.00	0.01	0.013	O					0.01
104.583	0.00	0.01	0.012	O					0.01
104.667	0.00	0.01	0.012	O					0.01
104.750	0.00	0.01	0.012	O					0.01
104.833	0.00	0.01	0.012	O					0.01
104.917	0.00	0.01	0.012	O					0.01
105.000	0.00	0.01	0.012	O					0.01
105.083	0.00	0.01	0.012	O					0.01
105.167	0.00	0.01	0.012	O					0.01
105.250	0.00	0.01	0.012	O					0.01
105.333	0.00	0.01	0.012	O					0.01
105.417	0.00	0.01	0.012	O					0.01
105.500	0.00	0.01	0.011	O					0.01
105.583	0.00	0.01	0.011	O					0.01
105.667	0.00	0.01	0.011	O					0.01
105.750	0.00	0.01	0.011	O					0.01
105.833	0.00	0.01	0.011	O					0.01
105.917	0.00	0.01	0.011	O					0.01
106.000	0.00	0.01	0.011	O					0.01
106.083	0.00	0.01	0.011	O					0.01
106.167	0.00	0.01	0.011	O					0.01
106.250	0.00	0.01	0.011	O					0.01
106.333	0.00	0.01	0.011	O					0.01
106.417	0.00	0.01	0.011	O					0.01
106.500	0.00	0.01	0.010	O					0.01
106.583	0.00	0.01	0.010	O					0.01
106.667	0.00	0.01	0.010	O					0.01
106.750	0.00	0.01	0.010	O					0.00
106.833	0.00	0.01	0.010	O					0.00
106.917	0.00	0.01	0.010	O					0.00
107.000	0.00	0.01	0.010	O					0.00
107.083	0.00	0.01	0.010	O					0.00
107.167	0.00	0.01	0.010	O					0.00
107.250	0.00	0.01	0.010	O					0.00
107.333	0.00	0.01	0.010	O					0.00
107.417	0.00	0.01	0.010	O					0.00
107.500	0.00	0.01	0.010	O					0.00
107.583	0.00	0.01	0.009	O					0.00
107.667	0.00	0.01	0.009	O					0.00

107.750	0.00	0.01	0.009	O					0.00
107.833	0.00	0.01	0.009	O					0.00
107.917	0.00	0.01	0.009	O					0.00
108.000	0.00	0.01	0.009	O					0.00
108.083	0.00	0.01	0.009	O					0.00
108.167	0.00	0.01	0.009	O					0.00
108.250	0.00	0.01	0.009	O					0.00
108.333	0.00	0.01	0.009	O					0.00
108.417	0.00	0.01	0.009	O					0.00
108.500	0.00	0.01	0.009	O					0.00
108.583	0.00	0.01	0.009	O					0.00
108.667	0.00	0.01	0.009	O					0.00
108.750	0.00	0.01	0.008	O					0.00
108.833	0.00	0.01	0.008	O					0.00
108.917	0.00	0.01	0.008	O					0.00
109.000	0.00	0.01	0.008	O					0.00
109.083	0.00	0.01	0.008	O					0.00
109.167	0.00	0.01	0.008	O					0.00
109.250	0.00	0.01	0.008	O					0.00
109.333	0.00	0.01	0.008	O					0.00
109.417	0.00	0.01	0.008	O					0.00
109.500	0.00	0.01	0.008	O					0.00
109.583	0.00	0.01	0.008	O					0.00
109.667	0.00	0.01	0.008	O					0.00
109.750	0.00	0.01	0.008	O					0.00
109.833	0.00	0.01	0.008	O					0.00
109.917	0.00	0.01	0.008	O					0.00
110.000	0.00	0.01	0.008	O					0.00
110.083	0.00	0.01	0.007	O					0.00
110.167	0.00	0.01	0.007	O					0.00
110.250	0.00	0.01	0.007	O					0.00
110.333	0.00	0.01	0.007	O					0.00
110.417	0.00	0.01	0.007	O					0.00
110.500	0.00	0.01	0.007	O					0.00
110.583	0.00	0.01	0.007	O					0.00
110.667	0.00	0.01	0.007	O					0.00
110.750	0.00	0.01	0.007	O					0.00
110.833	0.00	0.01	0.007	O					0.00
110.917	0.00	0.01	0.007	O					0.00
111.000	0.00	0.01	0.007	O					0.00
111.083	0.00	0.01	0.007	O					0.00
111.167	0.00	0.01	0.007	O					0.00
111.250	0.00	0.01	0.007	O					0.00
111.333	0.00	0.01	0.007	O					0.00
111.417	0.00	0.01	0.007	O					0.00
111.500	0.00	0.01	0.007	O					0.00
111.583	0.00	0.01	0.006	O					0.00
111.667	0.00	0.01	0.006	O					0.00
111.750	0.00	0.01	0.006	O					0.00
111.833	0.00	0.01	0.006	O					0.00
111.917	0.00	0.01	0.006	O					0.00
112.000	0.00	0.01	0.006	O					0.00
112.083	0.00	0.01	0.006	O					0.00
112.167	0.00	0.01	0.006	O					0.00
112.250	0.00	0.01	0.006	O					0.00
112.333	0.00	0.01	0.006	O					0.00
112.417	0.00	0.01	0.006	O					0.00
112.500	0.00	0.01	0.006	O					0.00
112.583	0.00	0.01	0.006	O					0.00
112.667	0.00	0.01	0.006	O					0.00
112.750	0.00	0.01	0.006	O					0.00
112.833	0.00	0.01	0.006	O					0.00
112.917	0.00	0.01	0.006	O					0.00
113.000	0.00	0.01	0.006	O					0.00
113.083	0.00	0.01	0.006	O					0.00
113.167	0.00	0.01	0.006	O					0.00
113.250	0.00	0.01	0.006	O					0.00
113.333	0.00	0.01	0.006	O					0.00

113.417	0.00	0.01	0.005	O	|	|	|	|	0.00
113.500	0.00	0.01	0.005	O	|	|	|	|	0.00
113.583	0.00	0.01	0.005	O	|	|	|	|	0.00
113.667	0.00	0.01	0.005	O	|	|	|	|	0.00
113.750	0.00	0.01	0.005	O	|	|	|	|	0.00
113.833	0.00	0.01	0.005	O	|	|	|	|	0.00
113.917	0.00	0.01	0.005	O	|	|	|	|	0.00
114.000	0.00	0.01	0.005	O	|	|	|	|	0.00
114.083	0.00	0.01	0.005	O	|	|	|	|	0.00
114.167	0.00	0.01	0.005	O	|	|	|	|	0.00
114.250	0.00	0.01	0.005	O	|	|	|	|	0.00
114.333	0.00	0.01	0.005	O	|	|	|	|	0.00
114.417	0.00	0.01	0.005	O	|	|	|	|	0.00
114.500	0.00	0.01	0.005	O	|	|	|	|	0.00
114.583	0.00	0.01	0.005	O	|	|	|	|	0.00
114.667	0.00	0.01	0.005	O	|	|	|	|	0.00
114.750	0.00	0.01	0.005	O	|	|	|	|	0.00
114.833	0.00	0.01	0.005	O	|	|	|	|	0.00
114.917	0.00	0.01	0.005	O	|	|	|	|	0.00
115.000	0.00	0.01	0.005	O	|	|	|	|	0.00
115.083	0.00	0.01	0.005	O	|	|	|	|	0.00
115.167	0.00	0.01	0.005	O	|	|	|	|	0.00
115.250	0.00	0.01	0.005	O	|	|	|	|	0.00
115.333	0.00	0.01	0.005	O	|	|	|	|	0.00
115.417	0.00	0.01	0.005	O	|	|	|	|	0.00
115.500	0.00	0.01	0.005	O	|	|	|	|	0.00
115.583	0.00	0.01	0.004	O	|	|	|	|	0.00
115.667	0.00	0.01	0.004	O	|	|	|	|	0.00
115.750	0.00	0.00	0.004	O	|	|	|	|	0.00
115.833	0.00	0.00	0.004	O	|	|	|	|	0.00
115.917	0.00	0.00	0.004	O	|	|	|	|	0.00
116.000	0.00	0.00	0.004	O	|	|	|	|	0.00
116.083	0.00	0.00	0.004	O	|	|	|	|	0.00
116.167	0.00	0.00	0.004	O	|	|	|	|	0.00
116.250	0.00	0.00	0.004	O	|	|	|	|	0.00
116.333	0.00	0.00	0.004	O	|	|	|	|	0.00
116.417	0.00	0.00	0.004	O	|	|	|	|	0.00
116.500	0.00	0.00	0.004	O	|	|	|	|	0.00
116.583	0.00	0.00	0.004	O	|	|	|	|	0.00
116.667	0.00	0.00	0.004	O	|	|	|	|	0.00
116.750	0.00	0.00	0.004	O	|	|	|	|	0.00
116.833	0.00	0.00	0.004	O	|	|	|	|	0.00
116.917	0.00	0.00	0.004	O	|	|	|	|	0.00
117.000	0.00	0.00	0.004	O	|	|	|	|	0.00
117.083	0.00	0.00	0.004	O	|	|	|	|	0.00
117.167	0.00	0.00	0.004	O	|	|	|	|	0.00
117.250	0.00	0.00	0.004	O	|	|	|	|	0.00
117.333	0.00	0.00	0.004	O	|	|	|	|	0.00
117.417	0.00	0.00	0.004	O	|	|	|	|	0.00
117.500	0.00	0.00	0.004	O	|	|	|	|	0.00
117.583	0.00	0.00	0.004	O	|	|	|	|	0.00
117.667	0.00	0.00	0.004	O	|	|	|	|	0.00
117.750	0.00	0.00	0.004	O	|	|	|	|	0.00
117.833	0.00	0.00	0.004	O	|	|	|	|	0.00
117.917	0.00	0.00	0.004	O	|	|	|	|	0.00
118.000	0.00	0.00	0.004	O	|	|	|	|	0.00
118.083	0.00	0.00	0.004	O	|	|	|	|	0.00
118.167	0.00	0.00	0.004	O	|	|	|	|	0.00
118.250	0.00	0.00	0.003	O	|	|	|	|	0.00
118.333	0.00	0.00	0.003	O	|	|	|	|	0.00
118.417	0.00	0.00	0.003	O	|	|	|	|	0.00
118.500	0.00	0.00	0.003	O	|	|	|	|	0.00
118.583	0.00	0.00	0.003	O	|	|	|	|	0.00
118.667	0.00	0.00	0.003	O	|	|	|	|	0.00
118.750	0.00	0.00	0.003	O	|	|	|	|	0.00
118.833	0.00	0.00	0.003	O	|	|	|	|	0.00
118.917	0.00	0.00	0.003	O	|	|	|	|	0.00
119.000	0.00	0.00	0.003	O	|	|	|	|	0.00

119.083	0.00	0.00	0.003	O	|	|	|	|	0.00
119.167	0.00	0.00	0.003	O	|	|	|	|	0.00
119.250	0.00	0.00	0.003	O	|	|	|	|	0.00
119.333	0.00	0.00	0.003	O	|	|	|	|	0.00
119.417	0.00	0.00	0.003	O	|	|	|	|	0.00
119.500	0.00	0.00	0.003	O	|	|	|	|	0.00
119.583	0.00	0.00	0.003	O	|	|	|	|	0.00
119.667	0.00	0.00	0.003	O	|	|	|	|	0.00
119.750	0.00	0.00	0.003	O	|	|	|	|	0.00
119.833	0.00	0.00	0.003	O	|	|	|	|	0.00
119.917	0.00	0.00	0.003	O	|	|	|	|	0.00
120.000	0.00	0.00	0.003	O	|	|	|	|	0.00
120.083	0.00	0.00	0.003	O	|	|	|	|	0.00
120.167	0.00	0.00	0.003	O	|	|	|	|	0.00
120.250	0.00	0.00	0.003	O	|	|	|	|	0.00
120.333	0.00	0.00	0.003	O	|	|	|	|	0.00
120.417	0.00	0.00	0.003	O	|	|	|	|	0.00
120.500	0.00	0.00	0.003	O	|	|	|	|	0.00
120.583	0.00	0.00	0.003	O	|	|	|	|	0.00
120.667	0.00	0.00	0.003	O	|	|	|	|	0.00
120.750	0.00	0.00	0.003	O	|	|	|	|	0.00
120.833	0.00	0.00	0.003	O	|	|	|	|	0.00
120.917	0.00	0.00	0.003	O	|	|	|	|	0.00
121.000	0.00	0.00	0.003	O	|	|	|	|	0.00
121.083	0.00	0.00	0.003	O	|	|	|	|	0.00
121.167	0.00	0.00	0.003	O	|	|	|	|	0.00
121.250	0.00	0.00	0.003	O	|	|	|	|	0.00
121.333	0.00	0.00	0.003	O	|	|	|	|	0.00
121.417	0.00	0.00	0.003	O	|	|	|	|	0.00
121.500	0.00	0.00	0.003	O	|	|	|	|	0.00
121.583	0.00	0.00	0.003	O	|	|	|	|	0.00
121.667	0.00	0.00	0.003	O	|	|	|	|	0.00
121.750	0.00	0.00	0.003	O	|	|	|	|	0.00
121.833	0.00	0.00	0.002	O	|	|	|	|	0.00
121.917	0.00	0.00	0.002	O	|	|	|	|	0.00
122.000	0.00	0.00	0.002	O	|	|	|	|	0.00
122.083	0.00	0.00	0.002	O	|	|	|	|	0.00
122.167	0.00	0.00	0.002	O	|	|	|	|	0.00
122.250	0.00	0.00	0.002	O	|	|	|	|	0.00
122.333	0.00	0.00	0.002	O	|	|	|	|	0.00
122.417	0.00	0.00	0.002	O	|	|	|	|	0.00
122.500	0.00	0.00	0.002	O	|	|	|	|	0.00
122.583	0.00	0.00	0.002	O	|	|	|	|	0.00
122.667	0.00	0.00	0.002	O	|	|	|	|	0.00
122.750	0.00	0.00	0.002	O	|	|	|	|	0.00
122.833	0.00	0.00	0.002	O	|	|	|	|	0.00
122.917	0.00	0.00	0.002	O	|	|	|	|	0.00
123.000	0.00	0.00	0.002	O	|	|	|	|	0.00
123.083	0.00	0.00	0.002	O	|	|	|	|	0.00
123.167	0.00	0.00	0.002	O	|	|	|	|	0.00
123.250	0.00	0.00	0.002	O	|	|	|	|	0.00
123.333	0.00	0.00	0.002	O	|	|	|	|	0.00
123.417	0.00	0.00	0.002	O	|	|	|	|	0.00
123.500	0.00	0.00	0.002	O	|	|	|	|	0.00
123.583	0.00	0.00	0.002	O	|	|	|	|	0.00
123.667	0.00	0.00	0.002	O	|	|	|	|	0.00
123.750	0.00	0.00	0.002	O	|	|	|	|	0.00
123.833	0.00	0.00	0.002	O	|	|	|	|	0.00
123.917	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1487
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 59.167 (CFS)

```
              Total volume =      30.220 (Ac.Ft)
       Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
       Peak (CFS)      0.000     0.000     0.000     0.000     0.000
       Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
****************************************************************************

----------------------------------------------------------------------
```

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 01/08/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRB1100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 23
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 370.913 (CFS)
Total volume = 12.891 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN B- ROUTING
100YR-1HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 23
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	2.050	2.320	2.042	2.058
2.000	4.240	3.490	4.228	4.252
3.000	6.570	4.360	6.555	6.585
4.000	9.040	5.080	9.023	9.057
5.000	11.650	5.710	11.630	11.670
6.000	14.410	127.850	13.970	14.850
7.000	17.320	320.000	16.218	18.422
8.000	20.370	563.910	18.428	22.312
9.000	23.580	930.190	20.377	26.783
10.000	26.950	1399.580	22.131	31.769
11.000	30.500	1945.140	23.802	37.198

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 92.7 185.46 278.18 370.91 Depth (Ft.)

0.083	5.59	0.02	0.019	O	|	|	|	|	0.01
0.167	28.30	0.15	0.135	O I	|	|	|	|	0.07
0.250	47.79	0.45	0.395	O I	|	|	|	|	0.19
0.333	59.12	0.86	0.759	O I	|	|	|	|	0.37
0.417	68.83	1.35	1.192	O I	|	|	|	|	0.58
0.500	79.68	1.91	1.692	O I	|	|	|	|	0.83
0.583	94.48	2.44	2.277	O I	|	|	|	|	1.10
0.667	111.82	2.81	2.969	O I	|	|	|	|	1.42
0.750	147.68	3.28	3.842	O I	|	|	|	|	1.82
0.833	246.02	3.84	5.173	O	| I	|	|	|	2.40
0.917	370.91	4.56	7.268	O	|	|	| I	|	3.28
1.000	249.04	5.16	9.370	O	| I	|	|	|	4.13
1.083	139.30	5.47	10.670	O	| I	|	|	|	4.62
1.167	78.56	5.65	11.382	O	| I	|	|	|	4.90
1.250	48.09	10.68	11.762	O I	|	|	|	|	5.04
1.333	32.63	18.53	11.940	|OI	|	|	|	|	5.10
1.417	23.32	**21.03**	**11.996**	**|OI**	**|**	**|**	**|**	**|**	**5.13**
1.500	16.25	20.70	11.989	|O	|	|	|	|	5.12
1.583	11.14	18.85	11.947	IO	|	|	|	|	5.11
1.667	7.74	16.36	11.891	IO	|	|	|	|	5.09
1.750	4.21	13.61	11.829	IO	|	|	|	|	5.06
1.833	1.00	10.70	11.763	O	|	|	|	|	5.04
1.917	0.26	8.04	11.703	O	|	|	|	|	5.02
2.000	0.00	5.95	11.655	O	|	|	|	|	5.00
2.083	0.00	5.70	11.615	O	|	|	|	|	4.99
2.167	0.00	5.69	11.576	O	|	|	|	|	4.97
2.250	0.00	5.68	11.537	O	|	|	|	|	4.96
2.333	0.00	5.67	11.498	O	|	|	|	|	4.94
2.417	0.00	5.66	11.459	O	|	|	|	|	4.93
2.500	0.00	5.65	11.420	O	|	|	|	|	4.91
2.583	0.00	5.65	11.381	O	|	|	|	|	4.90
2.667	0.00	5.64	11.342	O	|	|	|	|	4.88
2.750	0.00	5.63	11.303	O	|	|	|	|	4.87
2.833	0.00	5.62	11.264	O	|	|	|	|	4.85
2.917	0.00	5.61	11.226	O	|	|	|	|	4.84
3.000	0.00	5.60	11.187	O	|	|	|	|	4.82
3.083	0.00	5.59	11.149	O	|	|	|	|	4.81
3.167	0.00	5.58	11.110	O	|	|	|	|	4.79
3.250	0.00	5.57	11.072	O	|	|	|	|	4.78
3.333	0.00	5.56	11.033	O	|	|	|	|	4.76
3.417	0.00	5.55	10.995	O	|	|	|	|	4.75
3.500	0.00	5.54	10.957	O	|	|	|	|	4.73
3.583	0.00	5.53	10.919	O	|	|	|	|	4.72
3.667	0.00	5.52	10.881	O	|	|	|	|	4.71
3.750	0.00	5.52	10.843	O	|	|	|	|	4.69
3.833	0.00	5.51	10.805	O	|	|	|	|	4.68
3.917	0.00	5.50	10.767	O	|	|	|	|	4.66
4.000	0.00	5.49	10.729	O	|	|	|	|	4.65
4.083	0.00	5.48	10.691	O	|	|	|	|	4.63
4.167	0.00	5.47	10.654	O	|	|	|	|	4.62
4.250	0.00	5.46	10.616	O	|	|	|	|	4.60
4.333	0.00	5.45	10.578	O	|	|	|	|	4.59
4.417	0.00	5.44	10.541	O	|	|	|	|	4.58
4.500	0.00	5.43	10.503	O	|	|	|	|	4.56
4.583	0.00	5.42	10.466	O	|	|	|	|	4.55
4.667	0.00	5.42	10.429	O	|	|	|	|	4.53
4.750	0.00	5.41	10.391	O	|	|	|	|	4.52
4.833	0.00	5.40	10.354	O	|	|	|	|	4.50
4.917	0.00	5.39	10.317	O	|	|	|	|	4.49
5.000	0.00	5.38	10.280	O	|	|	|	|	4.48
5.083	0.00	5.37	10.243	O	|	|	|	|	4.46
5.167	0.00	5.36	10.206	O	|	|	|	|	4.45
5.250	0.00	5.35	10.169	O	|	|	|	|	4.43
5.333	0.00	5.34	10.132	O	|	|	|	|	4.42
5.417	0.00	5.33	10.096	O	|	|	|	|	4.40
5.500	0.00	5.33	10.059	O	|	|	|	|	4.39
5.583	0.00	5.32	10.022	O	|	|	|	|	4.38
5.667	0.00	5.31	9.986	O	|	|	|	|	4.36

5.750	0.00	5.30	9.949	O	|	|	|	|	4.35
5.833	0.00	5.29	9.913	O	|	|	|	|	4.33
5.917	0.00	5.28	9.876	O	|	|	|	|	4.32
6.000	0.00	5.27	9.840	O	|	|	|	|	4.31
6.083	0.00	5.26	9.804	O	|	|	|	|	4.29
6.167	0.00	5.26	9.767	O	|	|	|	|	4.28
6.250	0.00	5.25	9.731	O	|	|	|	|	4.26
6.333	0.00	5.24	9.695	O	|	|	|	|	4.25
6.417	0.00	5.23	9.659	O	|	|	|	|	4.24
6.500	0.00	5.22	9.623	O	|	|	|	|	4.22
6.583	0.00	5.21	9.587	O	|	|	|	|	4.21
6.667	0.00	5.20	9.551	O	|	|	|	|	4.20
6.750	0.00	5.19	9.515	O	|	|	|	|	4.18
6.833	0.00	5.19	9.480	O	|	|	|	|	4.17
6.917	0.00	5.18	9.444	O	|	|	|	|	4.15
7.000	0.00	5.17	9.408	O	|	|	|	|	4.14
7.083	0.00	5.16	9.373	O	|	|	|	|	4.13
7.167	0.00	5.15	9.337	O	|	|	|	|	4.11
7.250	0.00	5.14	9.302	O	|	|	|	|	4.10
7.333	0.00	5.13	9.267	O	|	|	|	|	4.09
7.417	0.00	5.13	9.231	O	|	|	|	|	4.07
7.500	0.00	5.12	9.196	O	|	|	|	|	4.06
7.583	0.00	5.11	9.161	O	|	|	|	|	4.05
7.667	0.00	5.10	9.126	O	|	|	|	|	4.03
7.750	0.00	5.09	9.090	O	|	|	|	|	4.02
7.833	0.00	5.08	9.055	O	|	|	|	|	4.01
7.917	0.00	5.07	9.020	O	|	|	|	|	3.99
8.000	0.00	5.06	8.985	O	|	|	|	|	3.98
8.083	0.00	5.05	8.951	O	|	|	|	|	3.96
8.167	0.00	5.04	8.916	O	|	|	|	|	3.95
8.250	0.00	5.03	8.881	O	|	|	|	|	3.94
8.333	0.00	5.02	8.847	O	|	|	|	|	3.92
8.417	0.00	5.01	8.812	O	|	|	|	|	3.91
8.500	0.00	5.00	8.777	O	|	|	|	|	3.89
8.583	0.00	4.99	8.743	O	|	|	|	|	3.88
8.667	0.00	4.98	8.709	O	|	|	|	|	3.87
8.750	0.00	4.97	8.674	O	|	|	|	|	3.85
8.833	0.00	4.96	8.640	O	|	|	|	|	3.84
8.917	0.00	4.95	8.606	O	|	|	|	|	3.82
9.000	0.00	4.94	8.572	O	|	|	|	|	3.81
9.083	0.00	4.93	8.538	O	|	|	|	|	3.80
9.167	0.00	4.92	8.504	O	|	|	|	|	3.78
9.250	0.00	4.91	8.470	O	|	|	|	|	3.77
9.333	0.00	4.90	8.436	O	|	|	|	|	3.76
9.417	0.00	4.89	8.403	O	|	|	|	|	3.74
9.500	0.00	4.88	8.369	O	|	|	|	|	3.73
9.583	0.00	4.87	8.335	O	|	|	|	|	3.71
9.667	0.00	4.86	8.302	O	|	|	|	|	3.70
9.750	0.00	4.86	8.268	O	|	|	|	|	3.69
9.833	0.00	4.85	8.235	O	|	|	|	|	3.67
9.917	0.00	4.84	8.202	O	|	|	|	|	3.66
10.000	0.00	4.83	8.168	O	|	|	|	|	3.65
10.083	0.00	4.82	8.135	O	|	|	|	|	3.63
10.167	0.00	4.81	8.102	O	|	|	|	|	3.62
10.250	0.00	4.80	8.069	O	|	|	|	|	3.61
10.333	0.00	4.79	8.036	O	|	|	|	|	3.59
10.417	0.00	4.78	8.003	O	|	|	|	|	3.58
10.500	0.00	4.77	7.970	O	|	|	|	|	3.57
10.583	0.00	4.76	7.937	O	|	|	|	|	3.55
10.667	0.00	4.75	7.905	O	|	|	|	|	3.54
10.750	0.00	4.74	7.872	O	|	|	|	|	3.53
10.833	0.00	4.73	7.839	O	|	|	|	|	3.51
10.917	0.00	4.72	7.807	O	|	|	|	|	3.50
11.000	0.00	4.71	7.774	O	|	|	|	|	3.49
11.083	0.00	4.70	7.742	O	|	|	|	|	3.47
11.167	0.00	4.69	7.709	O	|	|	|	|	3.46
11.250	0.00	4.68	7.677	O	|	|	|	|	3.45
11.333	0.00	4.67	7.645	O	|	|	|	|	3.44

11.417	0.00	4.66	7.613	O	|	|	|	|	3.42
11.500	0.00	4.65	7.581	O	|	|	|	|	3.41
11.583	0.00	4.65	7.549	O	|	|	|	|	3.40
11.667	0.00	4.64	7.517	O	|	|	|	|	3.38
11.750	0.00	4.63	7.485	O	|	|	|	|	3.37
11.833	0.00	4.62	7.453	O	|	|	|	|	3.36
11.917	0.00	4.61	7.421	O	|	|	|	|	3.34
12.000	0.00	4.60	7.390	O	|	|	|	|	3.33
12.083	0.00	4.59	7.358	O	|	|	|	|	3.32
12.167	0.00	4.58	7.326	O	|	|	|	|	3.31
12.250	0.00	4.57	7.295	O	|	|	|	|	3.29
12.333	0.00	4.56	7.263	O	|	|	|	|	3.28
12.417	0.00	4.55	7.232	O	|	|	|	|	3.27
12.500	0.00	4.54	7.201	O	|	|	|	|	3.26
12.583	0.00	4.53	7.169	O	|	|	|	|	3.24
12.667	0.00	4.53	7.138	O	|	|	|	|	3.23
12.750	0.00	4.52	7.107	O	|	|	|	|	3.22
12.833	0.00	4.51	7.076	O	|	|	|	|	3.20
12.917	0.00	4.50	7.045	O	|	|	|	|	3.19
13.000	0.00	4.49	7.014	O	|	|	|	|	3.18
13.083	0.00	4.48	6.983	O	|	|	|	|	3.17
13.167	0.00	4.47	6.952	O	|	|	|	|	3.15
13.250	0.00	4.46	6.922	O	|	|	|	|	3.14
13.333	0.00	4.45	6.891	O	|	|	|	|	3.13
13.417	0.00	4.44	6.860	O	|	|	|	|	3.12
13.500	0.00	4.44	6.830	O	|	|	|	|	3.11
13.583	0.00	4.43	6.799	O	|	|	|	|	3.09
13.667	0.00	4.42	6.769	O	|	|	|	|	3.08
13.750	0.00	4.41	6.738	O	|	|	|	|	3.07
13.833	0.00	4.40	6.708	O	|	|	|	|	3.06
13.917	0.00	4.39	6.678	O	|	|	|	|	3.04
14.000	0.00	4.38	6.647	O	|	|	|	|	3.03
14.083	0.00	4.37	6.617	O	|	|	|	|	3.02
14.167	0.00	4.37	6.587	O	|	|	|	|	3.01
14.250	0.00	4.36	6.557	O	|	|	|	|	2.99
14.333	0.00	4.34	6.527	O	|	|	|	|	2.98
14.417	0.00	4.33	6.497	O	|	|	|	|	2.97
14.500	0.00	4.32	6.468	O	|	|	|	|	2.96
14.583	0.00	4.31	6.438	O	|	|	|	|	2.94
14.667	0.00	4.30	6.408	O	|	|	|	|	2.93
14.750	0.00	4.29	6.379	O	|	|	|	|	2.92
14.833	0.00	4.28	6.349	O	|	|	|	|	2.91
14.917	0.00	4.27	6.320	O	|	|	|	|	2.89
15.000	0.00	4.26	6.290	O	|	|	|	|	2.88
15.083	0.00	4.24	6.261	O	|	|	|	|	2.87
15.167	0.00	4.23	6.232	O	|	|	|	|	2.85
15.250	0.00	4.22	6.203	O	|	|	|	|	2.84
15.333	0.00	4.21	6.174	O	|	|	|	|	2.83
15.417	0.00	4.20	6.145	O	|	|	|	|	2.82
15.500	0.00	4.19	6.116	O	|	|	|	|	2.81
15.583	0.00	4.18	6.087	O	|	|	|	|	2.79
15.667	0.00	4.17	6.058	O	|	|	|	|	2.78
15.750	0.00	4.16	6.030	O	|	|	|	|	2.77
15.833	0.00	4.15	6.001	O	|	|	|	|	2.76
15.917	0.00	4.14	5.972	O	|	|	|	|	2.74
16.000	0.00	4.13	5.944	O	|	|	|	|	2.73
16.083	0.00	4.12	5.916	O	|	|	|	|	2.72
16.167	0.00	4.11	5.887	O	|	|	|	|	2.71
16.250	0.00	4.09	5.859	O	|	|	|	|	2.69
16.333	0.00	4.08	5.831	O	|	|	|	|	2.68
16.417	0.00	4.07	5.803	O	|	|	|	|	2.67
16.500	0.00	4.06	5.775	O	|	|	|	|	2.66
16.583	0.00	4.05	5.747	O	|	|	|	|	2.65
16.667	0.00	4.04	5.719	O	|	|	|	|	2.63
16.750	0.00	4.03	5.691	O	|	|	|	|	2.62
16.833	0.00	4.02	5.663	O	|	|	|	|	2.61
16.917	0.00	4.01	5.636	O	|	|	|	|	2.60
17.000	0.00	4.00	5.608	O	|	|	|	|	2.59

17.083	0.00	3.99	5.581	O	|	|	|	|	2.58
17.167	0.00	3.98	5.553	O	|	|	|	|	2.56
17.250	0.00	3.97	5.526	O	|	|	|	|	2.55
17.333	0.00	3.96	5.499	O	|	|	|	|	2.54
17.417	0.00	3.95	5.471	O	|	|	|	|	2.53
17.500	0.00	3.94	5.444	O	|	|	|	|	2.52
17.583	0.00	3.93	5.417	O	|	|	|	|	2.51
17.667	0.00	3.92	5.390	O	|	|	|	|	2.49
17.750	0.00	3.91	5.363	O	|	|	|	|	2.48
17.833	0.00	3.90	5.336	O	|	|	|	|	2.47
17.917	0.00	3.89	5.309	O	|	|	|	|	2.46
18.000	0.00	3.88	5.283	O	|	|	|	|	2.45
18.083	0.00	3.87	5.256	O	|	|	|	|	2.44
18.167	0.00	3.86	5.229	O	|	|	|	|	2.42
18.250	0.00	3.85	5.203	O	|	|	|	|	2.41
18.333	0.00	3.84	5.176	O	|	|	|	|	2.40
18.417	0.00	3.83	5.150	O	|	|	|	|	2.39
18.500	0.00	3.82	5.123	O	|	|	|	|	2.38
18.583	0.00	3.81	5.097	O	|	|	|	|	2.37
18.667	0.00	3.80	5.071	O	|	|	|	|	2.36
18.750	0.00	3.79	5.045	O	|	|	|	|	2.35
18.833	0.00	3.78	5.019	O	|	|	|	|	2.33
18.917	0.00	3.77	4.993	O	|	|	|	|	2.32
19.000	0.00	3.76	4.967	O	|	|	|	|	2.31
19.083	0.00	3.75	4.941	O	|	|	|	|	2.30
19.167	0.00	3.74	4.915	O	|	|	|	|	2.29
19.250	0.00	3.73	4.889	O	|	|	|	|	2.28
19.333	0.00	3.72	4.864	O	|	|	|	|	2.27
19.417	0.00	3.71	4.838	O	|	|	|	|	2.26
19.500	0.00	3.70	4.813	O	|	|	|	|	2.25
19.583	0.00	3.69	4.787	O	|	|	|	|	2.23
19.667	0.00	3.68	4.762	O	|	|	|	|	2.22
19.750	0.00	3.68	4.736	O	|	|	|	|	2.21
19.833	0.00	3.67	4.711	O	|	|	|	|	2.20
19.917	0.00	3.66	4.686	O	|	|	|	|	2.19
20.000	0.00	3.65	4.661	O	|	|	|	|	2.18
20.083	0.00	3.64	4.636	O	|	|	|	|	2.17
20.167	0.00	3.63	4.611	O	|	|	|	|	2.16
20.250	0.00	3.62	4.586	O	|	|	|	|	2.15
20.333	0.00	3.61	4.561	O	|	|	|	|	2.14
20.417	0.00	3.60	4.536	O	|	|	|	|	2.13
20.500	0.00	3.59	4.511	O	|	|	|	|	2.12
20.583	0.00	3.58	4.486	O	|	|	|	|	2.11
20.667	0.00	3.57	4.462	O	|	|	|	|	2.10
20.750	0.00	3.56	4.437	O	|	|	|	|	2.08
20.833	0.00	3.55	4.413	O	|	|	|	|	2.07
20.917	0.00	3.55	4.388	O	|	|	|	|	2.06
21.000	0.00	3.54	4.364	O	|	|	|	|	2.05
21.083	0.00	3.53	4.340	O	|	|	|	|	2.04
21.167	0.00	3.52	4.315	O	|	|	|	|	2.03
21.250	0.00	3.51	4.291	O	|	|	|	|	2.02
21.333	0.00	3.50	4.267	O	|	|	|	|	2.01
21.417	0.00	3.49	4.243	O	|	|	|	|	2.00
21.500	0.00	3.48	4.219	O	|	|	|	|	1.99
21.583	0.00	3.47	4.195	O	|	|	|	|	1.98
21.667	0.00	3.45	4.171	O	|	|	|	|	1.97
21.750	0.00	3.44	4.147	O	|	|	|	|	1.96
21.833	0.00	3.43	4.124	O	|	|	|	|	1.95
21.917	0.00	3.42	4.100	O	|	|	|	|	1.94
22.000	0.00	3.40	4.077	O	|	|	|	|	1.93
22.083	0.00	3.39	4.053	O	|	|	|	|	1.91
22.167	0.00	3.38	4.030	O	|	|	|	|	1.90
22.250	0.00	3.37	4.007	O	|	|	|	|	1.89
22.333	0.00	3.35	3.984	O	|	|	|	|	1.88
22.417	0.00	3.34	3.961	O	|	|	|	|	1.87
22.500	0.00	3.33	3.938	O	|	|	|	|	1.86
22.583	0.00	3.32	3.915	O	|	|	|	|	1.85
22.667	0.00	3.30	3.892	O	|	|	|	|	1.84

22.750	0.00	3.29	3.869	O	|	|	|	|	1.83
22.833	0.00	3.28	3.847	O	|	|	|	|	1.82
22.917	0.00	3.27	3.824	O	|	|	|	|	1.81
23.000	0.00	3.26	3.802	O	|	|	|	|	1.80
23.083	0.00	3.24	3.779	O	|	|	|	|	1.79
23.167	0.00	3.23	3.757	O	|	|	|	|	1.78
23.250	0.00	3.22	3.735	O	|	|	|	|	1.77
23.333	0.00	3.21	3.713	O	|	|	|	|	1.76
23.417	0.00	3.20	3.691	O	|	|	|	|	1.75
23.500	0.00	3.18	3.669	O	|	|	|	|	1.74
23.583	0.00	3.17	3.647	O	|	|	|	|	1.73
23.667	0.00	3.16	3.625	O	|	|	|	|	1.72
23.750	0.00	3.15	3.603	O	|	|	|	|	1.71
23.833	0.00	3.14	3.582	O	|	|	|	|	1.70
23.917	0.00	3.13	3.560	O	|	|	|	|	1.69
24.000	0.00	3.12	3.538	O	|	|	|	|	1.68
24.083	0.00	3.10	3.517	O	|	|	|	|	1.67
24.167	0.00	3.09	3.496	O	|	|	|	|	1.66
24.250	0.00	3.08	3.474	O	|	|	|	|	1.65
24.333	0.00	3.07	3.453	O	|	|	|	|	1.64
24.417	0.00	3.06	3.432	O	|	|	|	|	1.63
24.500	0.00	3.05	3.411	O	|	|	|	|	1.62
24.583	0.00	3.04	3.390	O	|	|	|	|	1.61
24.667	0.00	3.02	3.369	O	|	|	|	|	1.60
24.750	0.00	3.01	3.349	O	|	|	|	|	1.59
24.833	0.00	3.00	3.328	O	|	|	|	|	1.58
24.917	0.00	2.99	3.307	O	|	|	|	|	1.57
25.000	0.00	2.98	3.287	O	|	|	|	|	1.56
25.083	0.00	2.97	3.266	O	|	|	|	|	1.56
25.167	0.00	2.96	3.246	O	|	|	|	|	1.55
25.250	0.00	2.95	3.225	O	|	|	|	|	1.54
25.333	0.00	2.94	3.205	O	|	|	|	|	1.53
25.417	0.00	2.93	3.185	O	|	|	|	|	1.52
25.500	0.00	2.92	3.165	O	|	|	|	|	1.51
25.583	0.00	2.90	3.145	O	|	|	|	|	1.50
25.667	0.00	2.89	3.125	O	|	|	|	|	1.49
25.750	0.00	2.88	3.105	O	|	|	|	|	1.48
25.833	0.00	2.87	3.085	O	|	|	|	|	1.47
25.917	0.00	2.86	3.065	O	|	|	|	|	1.46
26.000	0.00	2.85	3.046	O	|	|	|	|	1.45
26.083	0.00	2.84	3.026	O	|	|	|	|	1.45
26.167	0.00	2.83	3.006	O	|	|	|	|	1.44
26.250	0.00	2.82	2.987	O	|	|	|	|	1.43
26.333	0.00	2.81	2.968	O	|	|	|	|	1.42
26.417	0.00	2.80	2.948	O	|	|	|	|	1.41
26.500	0.00	2.79	2.929	O	|	|	|	|	1.40
26.583	0.00	2.78	2.910	O	|	|	|	|	1.39
26.667	0.00	2.77	2.891	O	|	|	|	|	1.38
26.750	0.00	2.76	2.872	O	|	|	|	|	1.38
26.833	0.00	2.75	2.853	O	|	|	|	|	1.37
26.917	0.00	2.74	2.834	O	|	|	|	|	1.36
27.000	0.00	2.73	2.815	O	|	|	|	|	1.35
27.083	0.00	2.72	2.796	O	|	|	|	|	1.34
27.167	0.00	2.71	2.778	O	|	|	|	|	1.33
27.250	0.00	2.70	2.759	O	|	|	|	|	1.32
27.333	0.00	2.69	2.740	O	|	|	|	|	1.32
27.417	0.00	2.68	2.722	O	|	|	|	|	1.31
27.500	0.00	2.67	2.704	O	|	|	|	|	1.30
27.583	0.00	2.66	2.685	O	|	|	|	|	1.29
27.667	0.00	2.65	2.667	O	|	|	|	|	1.28
27.750	0.00	2.64	2.649	O	|	|	|	|	1.27
27.833	0.00	2.63	2.631	O	|	|	|	|	1.27
27.917	0.00	2.62	2.612	O	|	|	|	|	1.26
28.000	0.00	2.61	2.594	O	|	|	|	|	1.25
28.083	0.00	2.60	2.576	O	|	|	|	|	1.24
28.167	0.00	2.59	2.559	O	|	|	|	|	1.23
28.250	0.00	2.58	2.541	O	|	|	|	|	1.22
28.333	0.00	2.57	2.523	O	|	|	|	|	1.22

28.417	0.00	2.56	2.505	O	|	|	|	|	1.21
28.500	0.00	2.55	2.488	O	|	|	|	|	1.20
28.583	0.00	2.54	2.470	O	|	|	|	|	1.19
28.667	0.00	2.54	2.453	O	|	|	|	|	1.18
28.750	0.00	2.53	2.435	O	|	|	|	|	1.18
28.833	0.00	2.52	2.418	O	|	|	|	|	1.17
28.917	0.00	2.51	2.401	O	|	|	|	|	1.16
29.000	0.00	2.50	2.383	O	|	|	|	|	1.15
29.083	0.00	2.49	2.366	O	|	|	|	|	1.14
29.167	0.00	2.48	2.349	O	|	|	|	|	1.14
29.250	0.00	2.47	2.332	O	|	|	|	|	1.13
29.333	0.00	2.46	2.315	O	|	|	|	|	1.12
29.417	0.00	2.45	2.298	O	|	|	|	|	1.11
29.500	0.00	2.44	2.281	O	|	|	|	|	1.11
29.583	0.00	2.43	2.264	O	|	|	|	|	1.10
29.667	0.00	2.43	2.248	O	|	|	|	|	1.09
29.750	0.00	2.42	2.231	O	|	|	|	|	1.08
29.833	0.00	2.41	2.214	O	|	|	|	|	1.08
29.917	0.00	2.40	2.198	O	|	|	|	|	1.07
30.000	0.00	2.39	2.181	O	|	|	|	|	1.06
30.083	0.00	2.38	2.165	O	|	|	|	|	1.05
30.167	0.00	2.37	2.149	O	|	|	|	|	1.05
30.250	0.00	2.36	2.132	O	|	|	|	|	1.04
30.333	0.00	2.36	2.116	O	|	|	|	|	1.03
30.417	0.00	2.35	2.100	O	|	|	|	|	1.02
30.500	0.00	2.34	2.084	O	|	|	|	|	1.02
30.583	0.00	2.33	2.068	O	|	|	|	|	1.01
30.667	0.00	2.32	2.052	O	|	|	|	|	1.00
30.750	0.00	2.30	2.036	O	|	|	|	|	0.99
30.833	0.00	2.29	2.020	O	|	|	|	|	0.99
30.917	0.00	2.27	2.004	O	|	|	|	|	0.98
31.000	0.00	2.25	1.989	O	|	|	|	|	0.97
31.083	0.00	2.23	1.973	O	|	|	|	|	0.96
31.167	0.00	2.22	1.958	O	|	|	|	|	0.96
31.250	0.00	2.20	1.943	O	|	|	|	|	0.95
31.333	0.00	2.18	1.928	O	|	|	|	|	0.94
31.417	0.00	2.16	1.913	O	|	|	|	|	0.93
31.500	0.00	2.15	1.898	O	|	|	|	|	0.93
31.583	0.00	2.13	1.883	O	|	|	|	|	0.92
31.667	0.00	2.11	1.868	O	|	|	|	|	0.91
31.750	0.00	2.10	1.854	O	|	|	|	|	0.90
31.833	0.00	2.08	1.840	O	|	|	|	|	0.90
31.917	0.00	2.07	1.825	O	|	|	|	|	0.89
32.000	0.00	2.05	1.811	O	|	|	|	|	0.88
32.083	0.00	2.03	1.797	O	|	|	|	|	0.88
32.167	0.00	2.02	1.783	O	|	|	|	|	0.87
32.250	0.00	2.00	1.769	O	|	|	|	|	0.86
32.333	0.00	1.99	1.755	O	|	|	|	|	0.86
32.417	0.00	1.97	1.742	O	|	|	|	|	0.85
32.500	0.00	1.96	1.728	O	|	|	|	|	0.84
32.583	0.00	1.94	1.715	O	|	|	|	|	0.84
32.667	0.00	1.93	1.702	O	|	|	|	|	0.83
32.750	0.00	1.91	1.688	O	|	|	|	|	0.82
32.833	0.00	1.90	1.675	O	|	|	|	|	0.82
32.917	0.00	1.88	1.662	O	|	|	|	|	0.81
33.000	0.00	1.87	1.649	O	|	|	|	|	0.80
33.083	0.00	1.85	1.637	O	|	|	|	|	0.80
33.167	0.00	1.84	1.624	O	|	|	|	|	0.79
33.250	0.00	1.82	1.611	O	|	|	|	|	0.79
33.333	0.00	1.81	1.599	O	|	|	|	|	0.78
33.417	0.00	1.80	1.586	O	|	|	|	|	0.77
33.500	0.00	1.78	1.574	O	|	|	|	|	0.77
33.583	0.00	1.77	1.562	O	|	|	|	|	0.76
33.667	0.00	1.75	1.550	O	|	|	|	|	0.76
33.750	0.00	1.74	1.538	O	|	|	|	|	0.75
33.833	0.00	1.73	1.526	O	|	|	|	|	0.74
33.917	0.00	1.71	1.514	O	|	|	|	|	0.74
34.000	0.00	1.70	1.502	O	|	|	|	|	0.73

34.083	0.00	1.69	1.490	O	|	|	|	|	0.73
34.167	0.00	1.67	1.479	O	|	|	|	|	0.72
34.250	0.00	1.66	1.467	O	|	|	|	|	0.72
34.333	0.00	1.65	1.456	O	|	|	|	|	0.71
34.417	0.00	1.63	1.445	O	|	|	|	|	0.70
34.500	0.00	1.62	1.433	O	|	|	|	|	0.70
34.583	0.00	1.61	1.422	O	|	|	|	|	0.69
34.667	0.00	1.60	1.411	O	|	|	|	|	0.69
34.750	0.00	1.58	1.400	O	|	|	|	|	0.68
34.833	0.00	1.57	1.389	O	|	|	|	|	0.68
34.917	0.00	1.56	1.379	O	|	|	|	|	0.67
35.000	0.00	1.55	1.368	O	|	|	|	|	0.67
35.083	0.00	1.54	1.357	O	|	|	|	|	0.66
35.167	0.00	1.52	1.347	O	|	|	|	|	0.66
35.250	0.00	1.51	1.336	O	|	|	|	|	0.65
35.333	0.00	1.50	1.326	O	|	|	|	|	0.65
35.417	0.00	1.49	1.316	O	|	|	|	|	0.64
35.500	0.00	1.48	1.305	O	|	|	|	|	0.64
35.583	0.00	1.47	1.295	O	|	|	|	|	0.63
35.667	0.00	1.45	1.285	O	|	|	|	|	0.63
35.750	0.00	1.44	1.275	O	|	|	|	|	0.62
35.833	0.00	1.43	1.265	O	|	|	|	|	0.62
35.917	0.00	1.42	1.256	O	|	|	|	|	0.61
36.000	0.00	1.41	1.246	O	|	|	|	|	0.61
36.083	0.00	1.40	1.236	O	|	|	|	|	0.60
36.167	0.00	1.39	1.227	O	|	|	|	|	0.60
36.250	0.00	1.38	1.217	O	|	|	|	|	0.59
36.333	0.00	1.37	1.208	O	|	|	|	|	0.59
36.417	0.00	1.36	1.198	O	|	|	|	|	0.58
36.500	0.00	1.35	1.189	O	|	|	|	|	0.58
36.583	0.00	1.34	1.180	O	|	|	|	|	0.58
36.667	0.00	1.32	1.171	O	|	|	|	|	0.57
36.750	0.00	1.31	1.161	O	|	|	|	|	0.57
36.833	0.00	1.30	1.152	O	|	|	|	|	0.56
36.917	0.00	1.29	1.143	O	|	|	|	|	0.56
37.000	0.00	1.28	1.135	O	|	|	|	|	0.55
37.083	0.00	1.27	1.126	O	|	|	|	|	0.55
37.167	0.00	1.26	1.117	O	|	|	|	|	0.54
37.250	0.00	1.25	1.108	O	|	|	|	|	0.54
37.333	0.00	1.24	1.100	O	|	|	|	|	0.54
37.417	0.00	1.23	1.091	O	|	|	|	|	0.53
37.500	0.00	1.23	1.083	O	|	|	|	|	0.53
37.583	0.00	1.22	1.074	O	|	|	|	|	0.52
37.667	0.00	1.21	1.066	O	|	|	|	|	0.52
37.750	0.00	1.20	1.058	O	|	|	|	|	0.52
37.833	0.00	1.19	1.050	O	|	|	|	|	0.51
37.917	0.00	1.18	1.041	O	|	|	|	|	0.51
38.000	0.00	1.17	1.033	O	|	|	|	|	0.50
38.083	0.00	1.16	1.025	O	|	|	|	|	0.50
38.167	0.00	1.15	1.017	O	|	|	|	|	0.50
38.250	0.00	1.14	1.009	O	|	|	|	|	0.49
38.333	0.00	1.13	1.002	O	|	|	|	|	0.49
38.417	0.00	1.12	0.994	O	|	|	|	|	0.48
38.500	0.00	1.12	0.986	O	|	|	|	|	0.48
38.583	0.00	1.11	0.978	O	|	|	|	|	0.48
38.667	0.00	1.10	0.971	O	|	|	|	|	0.47
38.750	0.00	1.09	0.963	O	|	|	|	|	0.47
38.833	0.00	1.08	0.956	O	|	|	|	|	0.47
38.917	0.00	1.07	0.948	O	|	|	|	|	0.46
39.000	0.00	1.06	0.941	O	|	|	|	|	0.46
39.083	0.00	1.06	0.934	O	|	|	|	|	0.46
39.167	0.00	1.05	0.926	O	|	|	|	|	0.45
39.250	0.00	1.04	0.919	O	|	|	|	|	0.45
39.333	0.00	1.03	0.912	O	|	|	|	|	0.44
39.417	0.00	1.02	0.905	O	|	|	|	|	0.44
39.500	0.00	1.02	0.898	O	|	|	|	|	0.44
39.583	0.00	1.01	0.891	O	|	|	|	|	0.43
39.667	0.00	1.00	0.884	O	|	|	|	|	0.43

39.750	0.00	0.99	0.877	O	|	|	|	|	0.43
39.833	0.00	0.99	0.870	O	|	|	|	|	0.42
39.917	0.00	0.98	0.864	O	|	|	|	|	0.42
40.000	0.00	0.97	0.857	O	|	|	|	|	0.42
40.083	0.00	0.96	0.850	O	|	|	|	|	0.41
40.167	0.00	0.95	0.844	O	|	|	|	|	0.41
40.250	0.00	0.95	0.837	O	|	|	|	|	0.41
40.333	0.00	0.94	0.831	O	|	|	|	|	0.41
40.417	0.00	0.93	0.824	O	|	|	|	|	0.40
40.500	0.00	0.93	0.818	O	|	|	|	|	0.40
40.583	0.00	0.92	0.811	O	|	|	|	|	0.40
40.667	0.00	0.91	0.805	O	|	|	|	|	0.39
40.750	0.00	0.90	0.799	O	|	|	|	|	0.39
40.833	0.00	0.90	0.793	O	|	|	|	|	0.39
40.917	0.00	0.89	0.787	O	|	|	|	|	0.38
41.000	0.00	0.88	0.780	O	|	|	|	|	0.38
41.083	0.00	0.88	0.774	O	|	|	|	|	0.38
41.167	0.00	0.87	0.768	O	|	|	|	|	0.37
41.250	0.00	0.86	0.762	O	|	|	|	|	0.37
41.333	0.00	0.86	0.757	O	|	|	|	|	0.37
41.417	0.00	0.85	0.751	O	|	|	|	|	0.37
41.500	0.00	0.84	0.745	O	|	|	|	|	0.36
41.583	0.00	0.84	0.739	O	|	|	|	|	0.36
41.667	0.00	0.83	0.733	O	|	|	|	|	0.36
41.750	0.00	0.82	0.728	O	|	|	|	|	0.35
41.833	0.00	0.82	0.722	O	|	|	|	|	0.35
41.917	0.00	0.81	0.716	O	|	|	|	|	0.35
42.000	0.00	0.80	0.711	O	|	|	|	|	0.35
42.083	0.00	0.80	0.705	O	|	|	|	|	0.34
42.167	0.00	0.79	0.700	O	|	|	|	|	0.34
42.250	0.00	0.79	0.694	O	|	|	|	|	0.34
42.333	0.00	0.78	0.689	O	|	|	|	|	0.34
42.417	0.00	0.77	0.684	O	|	|	|	|	0.33
42.500	0.00	0.77	0.678	O	|	|	|	|	0.33
42.583	0.00	0.76	0.673	O	|	|	|	|	0.33
42.667	0.00	0.76	0.668	O	|	|	|	|	0.33
42.750	0.00	0.75	0.663	O	|	|	|	|	0.32
42.833	0.00	0.74	0.657	O	|	|	|	|	0.32
42.917	0.00	0.74	0.652	O	|	|	|	|	0.32
43.000	0.00	0.73	0.647	O	|	|	|	|	0.32
43.083	0.00	0.73	0.642	O	|	|	|	|	0.31
43.167	0.00	0.72	0.637	O	|	|	|	|	0.31
43.250	0.00	0.72	0.632	O	|	|	|	|	0.31
43.333	0.00	0.71	0.627	O	|	|	|	|	0.31
43.417	0.00	0.70	0.623	O	|	|	|	|	0.30
43.500	0.00	0.70	0.618	O	|	|	|	|	0.30
43.583	0.00	0.69	0.613	O	|	|	|	|	0.30
43.667	0.00	0.69	0.608	O	|	|	|	|	0.30
43.750	0.00	0.68	0.603	O	|	|	|	|	0.29
43.833	0.00	0.68	0.599	O	|	|	|	|	0.29
43.917	0.00	0.67	0.594	O	|	|	|	|	0.29
44.000	0.00	0.67	0.590	O	|	|	|	|	0.29
44.083	0.00	0.66	0.585	O	|	|	|	|	0.29
44.167	0.00	0.66	0.580	O	|	|	|	|	0.28
44.250	0.00	0.65	0.576	O	|	|	|	|	0.28
44.333	0.00	0.65	0.571	O	|	|	|	|	0.28
44.417	0.00	0.64	0.567	O	|	|	|	|	0.28
44.500	0.00	0.64	0.563	O	|	|	|	|	0.27
44.583	0.00	0.63	0.558	O	|	|	|	|	0.27
44.667	0.00	0.63	0.554	O	|	|	|	|	0.27
44.750	0.00	0.62	0.550	O	|	|	|	|	0.27
44.833	0.00	0.62	0.545	O	|	|	|	|	0.27
44.917	0.00	0.61	0.541	O	|	|	|	|	0.26
45.000	0.00	0.61	0.537	O	|	|	|	|	0.26
45.083	0.00	0.60	0.533	O	|	|	|	|	0.26
45.167	0.00	0.60	0.529	O	|	|	|	|	0.26
45.250	0.00	0.59	0.524	O	|	|	|	|	0.26
45.333	0.00	0.59	0.520	O	|	|	|	|	0.25

45.417	0.00	0.58	0.516	O	|	|	|	|	0.25
45.500	0.00	0.58	0.512	O	|	|	|	|	0.25
45.583	0.00	0.58	0.508	O	|	|	|	|	0.25
45.667	0.00	0.57	0.504	O	|	|	|	|	0.25
45.750	0.00	0.57	0.501	O	|	|	|	|	0.24
45.833	0.00	0.56	0.497	O	|	|	|	|	0.24
45.917	0.00	0.56	0.493	O	|	|	|	|	0.24
46.000	0.00	0.55	0.489	O	|	|	|	|	0.24
46.083	0.00	0.55	0.485	O	|	|	|	|	0.24
46.167	0.00	0.54	0.481	O	|	|	|	|	0.23
46.250	0.00	0.54	0.478	O	|	|	|	|	0.23
46.333	0.00	0.54	0.474	O	|	|	|	|	0.23
46.417	0.00	0.53	0.470	O	|	|	|	|	0.23
46.500	0.00	0.53	0.467	O	|	|	|	|	0.23
46.583	0.00	0.52	0.463	O	|	|	|	|	0.23
46.667	0.00	0.52	0.459	O	|	|	|	|	0.22
46.750	0.00	0.52	0.456	O	|	|	|	|	0.22
46.833	0.00	0.51	0.452	O	|	|	|	|	0.22
46.917	0.00	0.51	0.449	O	|	|	|	|	0.22
47.000	0.00	0.50	0.445	O	|	|	|	|	0.22
47.083	0.00	0.50	0.442	O	|	|	|	|	0.22
47.167	0.00	0.50	0.438	O	|	|	|	|	0.21
47.250	0.00	0.49	0.435	O	|	|	|	|	0.21
47.333	0.00	0.49	0.432	O	|	|	|	|	0.21
47.417	0.00	0.48	0.428	O	|	|	|	|	0.21
47.500	0.00	0.48	0.425	O	|	|	|	|	0.21
47.583	0.00	0.48	0.422	O	|	|	|	|	0.21
47.667	0.00	0.47	0.418	O	|	|	|	|	0.20
47.750	0.00	0.47	0.415	O	|	|	|	|	0.20
47.833	0.00	0.47	0.412	O	|	|	|	|	0.20
47.917	0.00	0.46	0.409	O	|	|	|	|	0.20
48.000	0.00	0.46	0.406	O	|	|	|	|	0.20
48.083	0.00	0.46	0.402	O	|	|	|	|	0.20
48.167	0.00	0.45	0.399	O	|	|	|	|	0.19
48.250	0.00	0.45	0.396	O	|	|	|	|	0.19
48.333	0.00	0.44	0.393	O	|	|	|	|	0.19
48.417	0.00	0.44	0.390	O	|	|	|	|	0.19
48.500	0.00	0.44	0.387	O	|	|	|	|	0.19
48.583	0.00	0.43	0.384	O	|	|	|	|	0.19
48.667	0.00	0.43	0.381	O	|	|	|	|	0.19
48.750	0.00	0.43	0.378	O	|	|	|	|	0.18
48.833	0.00	0.42	0.375	O	|	|	|	|	0.18
48.917	0.00	0.42	0.372	O	|	|	|	|	0.18
49.000	0.00	0.42	0.369	O	|	|	|	|	0.18
49.083	0.00	0.41	0.366	O	|	|	|	|	0.18
49.167	0.00	0.41	0.364	O	|	|	|	|	0.18
49.250	0.00	0.41	0.361	O	|	|	|	|	0.18
49.333	0.00	0.41	0.358	O	|	|	|	|	0.17
49.417	0.00	0.40	0.355	O	|	|	|	|	0.17
49.500	0.00	0.40	0.352	O	|	|	|	|	0.17
49.583	0.00	0.40	0.350	O	|	|	|	|	0.17
49.667	0.00	0.39	0.347	O	|	|	|	|	0.17
49.750	0.00	0.39	0.344	O	|	|	|	|	0.17
49.833	0.00	0.39	0.342	O	|	|	|	|	0.17
49.917	0.00	0.38	0.339	O	|	|	|	|	0.17
50.000	0.00	0.38	0.336	O	|	|	|	|	0.16
50.083	0.00	0.38	0.334	O	|	|	|	|	0.16
50.167	0.00	0.37	0.331	O	|	|	|	|	0.16
50.250	0.00	0.37	0.329	O	|	|	|	|	0.16
50.333	0.00	0.37	0.326	O	|	|	|	|	0.16
50.417	0.00	0.37	0.323	O	|	|	|	|	0.16
50.500	0.00	0.36	0.321	O	|	|	|	|	0.16
50.583	0.00	0.36	0.318	O	|	|	|	|	0.16
50.667	0.00	0.36	0.316	O	|	|	|	|	0.15
50.750	0.00	0.35	0.314	O	|	|	|	|	0.15
50.833	0.00	0.35	0.311	O	|	|	|	|	0.15
50.917	0.00	0.35	0.309	O	|	|	|	|	0.15
51.000	0.00	0.35	0.306	O	|	|	|	|	0.15

51.083	0.00	0.34	0.304	O	|	|	|	|	0.15
51.167	0.00	0.34	0.302	O	|	|	|	|	0.15
51.250	0.00	0.34	0.299	O	|	|	|	|	0.15
51.333	0.00	0.34	0.297	O	|	|	|	|	0.14
51.417	0.00	0.33	0.295	O	|	|	|	|	0.14
51.500	0.00	0.33	0.292	O	|	|	|	|	0.14
51.583	0.00	0.33	0.290	O	|	|	|	|	0.14
51.667	0.00	0.33	0.288	O	|	|	|	|	0.14
51.750	0.00	0.32	0.286	O	|	|	|	|	0.14
51.833	0.00	0.32	0.283	O	|	|	|	|	0.14
51.917	0.00	0.32	0.281	O	|	|	|	|	0.14
52.000	0.00	0.32	0.279	O	|	|	|	|	0.14
52.083	0.00	0.31	0.277	O	|	|	|	|	0.14
52.167	0.00	0.31	0.275	O	|	|	|	|	0.13
52.250	0.00	0.31	0.273	O	|	|	|	|	0.13
52.333	0.00	0.31	0.270	O	|	|	|	|	0.13
52.417	0.00	0.30	0.268	O	|	|	|	|	0.13
52.500	0.00	0.30	0.266	O	|	|	|	|	0.13
52.583	0.00	0.30	0.264	O	|	|	|	|	0.13
52.667	0.00	0.30	0.262	O	|	|	|	|	0.13
52.750	0.00	0.29	0.260	O	|	|	|	|	0.13
52.833	0.00	0.29	0.258	O	|	|	|	|	0.13
52.917	0.00	0.29	0.256	O	|	|	|	|	0.12
53.000	0.00	0.29	0.254	O	|	|	|	|	0.12
53.083	0.00	0.29	0.252	O	|	|	|	|	0.12
53.167	0.00	0.28	0.250	O	|	|	|	|	0.12
53.250	0.00	0.28	0.248	O	|	|	|	|	0.12
53.333	0.00	0.28	0.246	O	|	|	|	|	0.12
53.417	0.00	0.28	0.244	O	|	|	|	|	0.12
53.500	0.00	0.27	0.242	O	|	|	|	|	0.12
53.583	0.00	0.27	0.241	O	|	|	|	|	0.12
53.667	0.00	0.27	0.239	O	|	|	|	|	0.12
53.750	0.00	0.27	0.237	O	|	|	|	|	0.12
53.833	0.00	0.27	0.235	O	|	|	|	|	0.11
53.917	0.00	0.26	0.233	O	|	|	|	|	0.11
54.000	0.00	0.26	0.231	O	|	|	|	|	0.11
54.083	0.00	0.26	0.230	O	|	|	|	|	0.11
54.167	0.00	0.26	0.228	O	|	|	|	|	0.11
54.250	0.00	0.26	0.226	O	|	|	|	|	0.11
54.333	0.00	0.25	0.224	O	|	|	|	|	0.11
54.417	0.00	0.25	0.223	O	|	|	|	|	0.11
54.500	0.00	0.25	0.221	O	|	|	|	|	0.11
54.583	0.00	0.25	0.219	O	|	|	|	|	0.11
54.667	0.00	0.25	0.217	O	|	|	|	|	0.11
54.750	0.00	0.24	0.216	O	|	|	|	|	0.11
54.833	0.00	0.24	0.214	O	|	|	|	|	0.10
54.917	0.00	0.24	0.212	O	|	|	|	|	0.10
55.000	0.00	0.24	0.211	O	|	|	|	|	0.10
55.083	0.00	0.24	0.209	O	|	|	|	|	0.10
55.167	0.00	0.23	0.207	O	|	|	|	|	0.10
55.250	0.00	0.23	0.206	O	|	|	|	|	0.10
55.333	0.00	0.23	0.204	O	|	|	|	|	0.10
55.417	0.00	0.23	0.203	O	|	|	|	|	0.10
55.500	0.00	0.23	0.201	O	|	|	|	|	0.10
55.583	0.00	0.23	0.200	O	|	|	|	|	0.10
55.667	0.00	0.22	0.198	O	|	|	|	|	0.10
55.750	0.00	0.22	0.196	O	|	|	|	|	0.10
55.833	0.00	0.22	0.195	O	|	|	|	|	0.10
55.917	0.00	0.22	0.193	O	|	|	|	|	0.09
56.000	0.00	0.22	0.192	O	|	|	|	|	0.09
56.083	0.00	0.22	0.190	O	|	|	|	|	0.09
56.167	0.00	0.21	0.189	O	|	|	|	|	0.09
56.250	0.00	0.21	0.187	O	|	|	|	|	0.09
56.333	0.00	0.21	0.186	O	|	|	|	|	0.09
56.417	0.00	0.21	0.185	O	|	|	|	|	0.09
56.500	0.00	0.21	0.183	O	|	|	|	|	0.09
56.583	0.00	0.21	0.182	O	|	|	|	|	0.09
56.667	0.00	0.20	0.180	O	|	|	|	|	0.09

56.750	0.00	0.20	0.179	O	|	|	|	0.09
56.833	0.00	0.20	0.178	O	|	|	|	0.09
56.917	0.00	0.20	0.176	O	|	|	|	0.09
57.000	0.00	0.20	0.175	O	|	|	|	0.09
57.083	0.00	0.20	0.173	O	|	|	|	0.08
57.167	0.00	0.19	0.172	O	|	|	|	0.08
57.250	0.00	0.19	0.171	O	|	|	|	0.08
57.333	0.00	0.19	0.169	O	|	|	|	0.08
57.417	0.00	0.19	0.168	O	|	|	|	0.08
57.500	0.00	0.19	0.167	O	|	|	|	0.08
57.583	0.00	0.19	0.165	O	|	|	|	0.08
57.667	0.00	0.19	0.164	O	|	|	|	0.08
57.750	0.00	0.18	0.163	O	|	|	|	0.08
57.833	0.00	0.18	0.162	O	|	|	|	0.08
57.917	0.00	0.18	0.160	O	|	|	|	0.08
58.000	0.00	0.18	0.159	O	|	|	|	0.08
58.083	0.00	0.18	0.158	O	|	|	|	0.08
58.167	0.00	0.18	0.157	O	|	|	|	0.08
58.250	0.00	0.18	0.155	O	|	|	|	0.08
58.333	0.00	0.17	0.154	O	|	|	|	0.08
58.417	0.00	0.17	0.153	O	|	|	|	0.07
58.500	0.00	0.17	0.152	O	|	|	|	0.07
58.583	0.00	0.17	0.151	O	|	|	|	0.07
58.667	0.00	0.17	0.150	O	|	|	|	0.07
58.750	0.00	0.17	0.148	O	|	|	|	0.07
58.833	0.00	0.17	0.147	O	|	|	|	0.07
58.917	0.00	0.17	0.146	O	|	|	|	0.07
59.000	0.00	0.16	0.145	O	|	|	|	0.07
59.083	0.00	0.16	0.144	O	|	|	|	0.07
59.167	0.00	0.16	0.143	O	|	|	|	0.07
59.250	0.00	0.16	0.142	O	|	|	|	0.07
59.333	0.00	0.16	0.140	O	|	|	|	0.07
59.417	0.00	0.16	0.139	O	|	|	|	0.07
59.500	0.00	0.16	0.138	O	|	|	|	0.07
59.583	0.00	0.16	0.137	O	|	|	|	0.07
59.667	0.00	0.15	0.136	O	|	|	|	0.07
59.750	0.00	0.15	0.135	O	|	|	|	0.07
59.833	0.00	0.15	0.134	O	|	|	|	0.07
59.917	0.00	0.15	0.133	O	|	|	|	0.06
60.000	0.00	0.15	0.132	O	|	|	|	0.06
60.083	0.00	0.15	0.131	O	|	|	|	0.06
60.167	0.00	0.15	0.130	O	|	|	|	0.06
60.250	0.00	0.15	0.129	O	|	|	|	0.06
60.333	0.00	0.14	0.128	O	|	|	|	0.06
60.417	0.00	0.14	0.127	O	|	|	|	0.06
60.500	0.00	0.14	0.126	O	|	|	|	0.06
60.583	0.00	0.14	0.125	O	|	|	|	0.06
60.667	0.00	0.14	0.124	O	|	|	|	0.06
60.750	0.00	0.14	0.123	O	|	|	|	0.06
60.833	0.00	0.14	0.122	O	|	|	|	0.06
60.917	0.00	0.14	0.121	O	|	|	|	0.06
61.000	0.00	0.14	0.120	O	|	|	|	0.06
61.083	0.00	0.13	0.119	O	|	|	|	0.06
61.167	0.00	0.13	0.118	O	|	|	|	0.06
61.250	0.00	0.13	0.117	O	|	|	|	0.06
61.333	0.00	0.13	0.117	O	|	|	|	0.06
61.417	0.00	0.13	0.116	O	|	|	|	0.06
61.500	0.00	0.13	0.115	O	|	|	|	0.06
61.583	0.00	0.13	0.114	O	|	|	|	0.06
61.667	0.00	0.13	0.113	O	|	|	|	0.06
61.750	0.00	0.13	0.112	O	|	|	|	0.05
61.833	0.00	0.13	0.111	O	|	|	|	0.05
61.917	0.00	0.12	0.110	O	|	|	|	0.05
62.000	0.00	0.12	0.109	O	|	|	|	0.05
62.083	0.00	0.12	0.109	O	|	|	|	0.05
62.167	0.00	0.12	0.108	O	|	|	|	0.05
62.250	0.00	0.12	0.107	O	|	|	|	0.05
62.333	0.00	0.12	0.106	O	|	|	|	0.05

62.417	0.00	0.12	0.105	O	|	|	|	|	0.05
62.500	0.00	0.12	0.104	O	|	|	|	|	0.05
62.583	0.00	0.12	0.104	O	|	|	|	|	0.05
62.667	0.00	0.12	0.103	O	|	|	|	|	0.05
62.750	0.00	0.12	0.102	O	|	|	|	|	0.05
62.833	0.00	0.11	0.101	O	|	|	|	|	0.05
62.917	0.00	0.11	0.100	O	|	|	|	|	0.05
63.000	0.00	0.11	0.100	O	|	|	|	|	0.05
63.083	0.00	0.11	0.099	O	|	|	|	|	0.05
63.167	0.00	0.11	0.098	O	|	|	|	|	0.05
63.250	0.00	0.11	0.097	O	|	|	|	|	0.05
63.333	0.00	0.11	0.097	O	|	|	|	|	0.05
63.417	0.00	0.11	0.096	O	|	|	|	|	0.05
63.500	0.00	0.11	0.095	O	|	|	|	|	0.05
63.583	0.00	0.11	0.094	O	|	|	|	|	0.05
63.667	0.00	0.11	0.094	O	|	|	|	|	0.05
63.750	0.00	0.11	0.093	O	|	|	|	|	0.05
63.833	0.00	0.10	0.092	O	|	|	|	|	0.04
63.917	0.00	0.10	0.092	O	|	|	|	|	0.04
64.000	0.00	0.10	0.091	O	|	|	|	|	0.04
64.083	0.00	0.10	0.090	O	|	|	|	|	0.04
64.167	0.00	0.10	0.089	O	|	|	|	|	0.04
64.250	0.00	0.10	0.089	O	|	|	|	|	0.04
64.333	0.00	0.10	0.088	O	|	|	|	|	0.04
64.417	0.00	0.10	0.087	O	|	|	|	|	0.04
64.500	0.00	0.10	0.087	O	|	|	|	|	0.04
64.583	0.00	0.10	0.086	O	|	|	|	|	0.04
64.667	0.00	0.10	0.085	O	|	|	|	|	0.04
64.750	0.00	0.10	0.085	O	|	|	|	|	0.04
64.833	0.00	0.10	0.084	O	|	|	|	|	0.04
64.917	0.00	0.09	0.083	O	|	|	|	|	0.04
65.000	0.00	0.09	0.083	O	|	|	|	|	0.04
65.083	0.00	0.09	0.082	O	|	|	|	|	0.04
65.167	0.00	0.09	0.081	O	|	|	|	|	0.04
65.250	0.00	0.09	0.081	O	|	|	|	|	0.04
65.333	0.00	0.09	0.080	O	|	|	|	|	0.04
65.417	0.00	0.09	0.080	O	|	|	|	|	0.04
65.500	0.00	0.09	0.079	O	|	|	|	|	0.04
65.583	0.00	0.09	0.078	O	|	|	|	|	0.04
65.667	0.00	0.09	0.078	O	|	|	|	|	0.04
65.750	0.00	0.09	0.077	O	|	|	|	|	0.04
65.833	0.00	0.09	0.076	O	|	|	|	|	0.04
65.917	0.00	0.09	0.076	O	|	|	|	|	0.04
66.000	0.00	0.09	0.075	O	|	|	|	|	0.04
66.083	0.00	0.08	0.075	O	|	|	|	|	0.04
66.167	0.00	0.08	0.074	O	|	|	|	|	0.04
66.250	0.00	0.08	0.074	O	|	|	|	|	0.04
66.333	0.00	0.08	0.073	O	|	|	|	|	0.04
66.417	0.00	0.08	0.072	O	|	|	|	|	0.04
66.500	0.00	0.08	0.072	O	|	|	|	|	0.04
66.583	0.00	0.08	0.071	O	|	|	|	|	0.03
66.667	0.00	0.08	0.071	O	|	|	|	|	0.03
66.750	0.00	0.08	0.070	O	|	|	|	|	0.03
66.833	0.00	0.08	0.070	O	|	|	|	|	0.03
66.917	0.00	0.08	0.069	O	|	|	|	|	0.03
67.000	0.00	0.08	0.069	O	|	|	|	|	0.03
67.083	0.00	0.08	0.068	O	|	|	|	|	0.03
67.167	0.00	0.08	0.068	O	|	|	|	|	0.03
67.250	0.00	0.08	0.067	O	|	|	|	|	0.03
67.333	0.00	0.08	0.066	O	|	|	|	|	0.03
67.417	0.00	0.07	0.066	O	|	|	|	|	0.03
67.500	0.00	0.07	0.065	O	|	|	|	|	0.03
67.583	0.00	0.07	0.065	O	|	|	|	|	0.03
67.667	0.00	0.07	0.064	O	|	|	|	|	0.03
67.750	0.00	0.07	0.064	O	|	|	|	|	0.03
67.833	0.00	0.07	0.063	O	|	|	|	|	0.03
67.917	0.00	0.07	0.063	O	|	|	|	|	0.03
68.000	0.00	0.07	0.062	O	|	|	|	|	0.03

68.083	0.00	0.07	0.062	O	|	|	|	|	0.03
68.167	0.00	0.07	0.061	O	|	|	|	|	0.03
68.250	0.00	0.07	0.061	O	|	|	|	|	0.03
68.333	0.00	0.07	0.061	O	|	|	|	|	0.03
68.417	0.00	0.07	0.060	O	|	|	|	|	0.03
68.500	0.00	0.07	0.060	O	|	|	|	|	0.03
68.583	0.00	0.07	0.059	O	|	|	|	|	0.03
68.667	0.00	0.07	0.059	O	|	|	|	|	0.03
68.750	0.00	0.07	0.058	O	|	|	|	|	0.03
68.833	0.00	0.07	0.058	O	|	|	|	|	0.03
68.917	0.00	0.06	0.057	O	|	|	|	|	0.03
69.000	0.00	0.06	0.057	O	|	|	|	|	0.03
69.083	0.00	0.06	0.056	O	|	|	|	|	0.03
69.167	0.00	0.06	0.056	O	|	|	|	|	0.03
69.250	0.00	0.06	0.056	O	|	|	|	|	0.03
69.333	0.00	0.06	0.055	O	|	|	|	|	0.03
69.417	0.00	0.06	0.055	O	|	|	|	|	0.03
69.500	0.00	0.06	0.054	O	|	|	|	|	0.03
69.583	0.00	0.06	0.054	O	|	|	|	|	0.03
69.667	0.00	0.06	0.053	O	|	|	|	|	0.03
69.750	0.00	0.06	0.053	O	|	|	|	|	0.03
69.833	0.00	0.06	0.053	O	|	|	|	|	0.03
69.917	0.00	0.06	0.052	O	|	|	|	|	0.03
70.000	0.00	0.06	0.052	O	|	|	|	|	0.03
70.083	0.00	0.06	0.051	O	|	|	|	|	0.03
70.167	0.00	0.06	0.051	O	|	|	|	|	0.02
70.250	0.00	0.06	0.051	O	|	|	|	|	0.02
70.333	0.00	0.06	0.050	O	|	|	|	|	0.02
70.417	0.00	0.06	0.050	O	|	|	|	|	0.02
70.500	0.00	0.06	0.049	O	|	|	|	|	0.02
70.583	0.00	0.06	0.049	O	|	|	|	|	0.02
70.667	0.00	0.06	0.049	O	|	|	|	|	0.02
70.750	0.00	0.05	0.048	O	|	|	|	|	0.02
70.833	0.00	0.05	0.048	O	|	|	|	|	0.02
70.917	0.00	0.05	0.048	O	|	|	|	|	0.02
71.000	0.00	0.05	0.047	O	|	|	|	|	0.02
71.083	0.00	0.05	0.047	O	|	|	|	|	0.02
71.167	0.00	0.05	0.046	O	|	|	|	|	0.02
71.250	0.00	0.05	0.046	O	|	|	|	|	0.02
71.333	0.00	0.05	0.046	O	|	|	|	|	0.02
71.417	0.00	0.05	0.045	O	|	|	|	|	0.02
71.500	0.00	0.05	0.045	O	|	|	|	|	0.02
71.583	0.00	0.05	0.045	O	|	|	|	|	0.02
71.667	0.00	0.05	0.044	O	|	|	|	|	0.02
71.750	0.00	0.05	0.044	O	|	|	|	|	0.02
71.833	0.00	0.05	0.044	O	|	|	|	|	0.02
71.917	0.00	0.05	0.043	O	|	|	|	|	0.02
72.000	0.00	0.05	0.043	O	|	|	|	|	0.02
72.083	0.00	0.05	0.043	O	|	|	|	|	0.02
72.167	0.00	0.05	0.042	O	|	|	|	|	0.02
72.250	0.00	0.05	0.042	O	|	|	|	|	0.02
72.333	0.00	0.05	0.042	O	|	|	|	|	0.02
72.417	0.00	0.05	0.041	O	|	|	|	|	0.02
72.500	0.00	0.05	0.041	O	|	|	|	|	0.02
72.583	0.00	0.05	0.041	O	|	|	|	|	0.02
72.667	0.00	0.05	0.040	O	|	|	|	|	0.02
72.750	0.00	0.05	0.040	O	|	|	|	|	0.02
72.833	0.00	0.04	0.040	O	|	|	|	|	0.02
72.917	0.00	0.04	0.039	O	|	|	|	|	0.02
73.000	0.00	0.04	0.039	O	|	|	|	|	0.02
73.083	0.00	0.04	0.039	O	|	|	|	|	0.02
73.167	0.00	0.04	0.039	O	|	|	|	|	0.02
73.250	0.00	0.04	0.038	O	|	|	|	|	0.02
73.333	0.00	0.04	0.038	O	|	|	|	|	0.02
73.417	0.00	0.04	0.038	O	|	|	|	|	0.02
73.500	0.00	0.04	0.037	O	|	|	|	|	0.02
73.583	0.00	0.04	0.037	O	|	|	|	|	0.02
73.667	0.00	0.04	0.037	O	|	|	|	|	0.02

73.750	0.00	0.04	0.036	O	|	|	|	|	0.02
73.833	0.00	0.04	0.036	O	|	|	|	|	0.02
73.917	0.00	0.04	0.036	O	|	|	|	|	0.02
74.000	0.00	0.04	0.036	O	|	|	|	|	0.02
74.083	0.00	0.04	0.035	O	|	|	|	|	0.02
74.167	0.00	0.04	0.035	O	|	|	|	|	0.02
74.250	0.00	0.04	0.035	O	|	|	|	|	0.02
74.333	0.00	0.04	0.035	O	|	|	|	|	0.02
74.417	0.00	0.04	0.034	O	|	|	|	|	0.02
74.500	0.00	0.04	0.034	O	|	|	|	|	0.02
74.583	0.00	0.04	0.034	O	|	|	|	|	0.02
74.667	0.00	0.04	0.033	O	|	|	|	|	0.02
74.750	0.00	0.04	0.033	O	|	|	|	|	0.02
74.833	0.00	0.04	0.033	O	|	|	|	|	0.02
74.917	0.00	0.04	0.033	O	|	|	|	|	0.02
75.000	0.00	0.04	0.032	O	|	|	|	|	0.02
75.083	0.00	0.04	0.032	O	|	|	|	|	0.02
75.167	0.00	0.04	0.032	O	|	|	|	|	0.02
75.250	0.00	0.04	0.032	O	|	|	|	|	0.02
75.333	0.00	0.04	0.031	O	|	|	|	|	0.02
75.417	0.00	0.04	0.031	O	|	|	|	|	0.02
75.500	0.00	0.04	0.031	O	|	|	|	|	0.02
75.583	0.00	0.03	0.031	O	|	|	|	|	0.01
75.667	0.00	0.03	0.030	O	|	|	|	|	0.01
75.750	0.00	0.03	0.030	O	|	|	|	|	0.01
75.833	0.00	0.03	0.030	O	|	|	|	|	0.01
75.917	0.00	0.03	0.030	O	|	|	|	|	0.01
76.000	0.00	0.03	0.030	O	|	|	|	|	0.01
76.083	0.00	0.03	0.029	O	|	|	|	|	0.01
76.167	0.00	0.03	0.029	O	|	|	|	|	0.01
76.250	0.00	0.03	0.029	O	|	|	|	|	0.01
76.333	0.00	0.03	0.029	O	|	|	|	|	0.01
76.417	0.00	0.03	0.028	O	|	|	|	|	0.01
76.500	0.00	0.03	0.028	O	|	|	|	|	0.01
76.583	0.00	0.03	0.028	O	|	|	|	|	0.01
76.667	0.00	0.03	0.028	O	|	|	|	|	0.01
76.750	0.00	0.03	0.028	O	|	|	|	|	0.01
76.833	0.00	0.03	0.027	O	|	|	|	|	0.01
76.917	0.00	0.03	0.027	O	|	|	|	|	0.01
77.000	0.00	0.03	0.027	O	|	|	|	|	0.01
77.083	0.00	0.03	0.027	O	|	|	|	|	0.01
77.167	0.00	0.03	0.027	O	|	|	|	|	0.01
77.250	0.00	0.03	0.026	O	|	|	|	|	0.01
77.333	0.00	0.03	0.026	O	|	|	|	|	0.01
77.417	0.00	0.03	0.026	O	|	|	|	|	0.01
77.500	0.00	0.03	0.026	O	|	|	|	|	0.01
77.583	0.00	0.03	0.025	O	|	|	|	|	0.01
77.667	0.00	0.03	0.025	O	|	|	|	|	0.01
77.750	0.00	0.03	0.025	O	|	|	|	|	0.01
77.833	0.00	0.03	0.025	O	|	|	|	|	0.01
77.917	0.00	0.03	0.025	O	|	|	|	|	0.01
78.000	0.00	0.03	0.025	O	|	|	|	|	0.01
78.083	0.00	0.03	0.024	O	|	|	|	|	0.01
78.167	0.00	0.03	0.024	O	|	|	|	|	0.01
78.250	0.00	0.03	0.024	O	|	|	|	|	0.01
78.333	0.00	0.03	0.024	O	|	|	|	|	0.01
78.417	0.00	0.03	0.024	O	|	|	|	|	0.01
78.500	0.00	0.03	0.023	O	|	|	|	|	0.01
78.583	0.00	0.03	0.023	O	|	|	|	|	0.01
78.667	0.00	0.03	0.023	O	|	|	|	|	0.01
78.750	0.00	0.03	0.023	O	|	|	|	|	0.01
78.833	0.00	0.03	0.023	O	|	|	|	|	0.01
78.917	0.00	0.03	0.023	O	|	|	|	|	0.01
79.000	0.00	0.03	0.022	O	|	|	|	|	0.01
79.083	0.00	0.03	0.022	O	|	|	|	|	0.01
79.167	0.00	0.02	0.022	O	|	|	|	|	0.01
79.250	0.00	0.02	0.022	O	|	|	|	|	0.01
79.333	0.00	0.02	0.022	O	|	|	|	|	0.01

79.417	0.00	0.02	0.021	O	|	|	|	|	0.01
79.500	0.00	0.02	0.021	O	|	|	|	|	0.01
79.583	0.00	0.02	0.021	O	|	|	|	|	0.01
79.667	0.00	0.02	0.021	O	|	|	|	|	0.01
79.750	0.00	0.02	0.021	O	|	|	|	|	0.01
79.833	0.00	0.02	0.021	O	|	|	|	|	0.01
79.917	0.00	0.02	0.020	O	|	|	|	|	0.01
80.000	0.00	0.02	0.020	O	|	|	|	|	0.01
80.083	0.00	0.02	0.020	O	|	|	|	|	0.01
80.167	0.00	0.02	0.020	O	|	|	|	|	0.01
80.250	0.00	0.02	0.020	O	|	|	|	|	0.01
80.333	0.00	0.02	0.020	O	|	|	|	|	0.01
80.417	0.00	0.02	0.020	O	|	|	|	|	0.01
80.500	0.00	0.02	0.019	O	|	|	|	|	0.01
80.583	0.00	0.02	0.019	O	|	|	|	|	0.01
80.667	0.00	0.02	0.019	O	|	|	|	|	0.01
80.750	0.00	0.02	0.019	O	|	|	|	|	0.01
80.833	0.00	0.02	0.019	O	|	|	|	|	0.01
80.917	0.00	0.02	0.019	O	|	|	|	|	0.01
81.000	0.00	0.02	0.019	O	|	|	|	|	0.01
81.083	0.00	0.02	0.018	O	|	|	|	|	0.01
81.167	0.00	0.02	0.018	O	|	|	|	|	0.01
81.250	0.00	0.02	0.018	O	|	|	|	|	0.01
81.333	0.00	0.02	0.018	O	|	|	|	|	0.01
81.417	0.00	0.02	0.018	O	|	|	|	|	0.01
81.500	0.00	0.02	0.018	O	|	|	|	|	0.01
81.583	0.00	0.02	0.018	O	|	|	|	|	0.01
81.667	0.00	0.02	0.017	O	|	|	|	|	0.01
81.750	0.00	0.02	0.017	O	|	|	|	|	0.01
81.833	0.00	0.02	0.017	O	|	|	|	|	0.01
81.917	0.00	0.02	0.017	O	|	|	|	|	0.01
82.000	0.00	0.02	0.017	O	|	|	|	|	0.01
82.083	0.00	0.02	0.017	O	|	|	|	|	0.01
82.167	0.00	0.02	0.017	O	|	|	|	|	0.01
82.250	0.00	0.02	0.016	O	|	|	|	|	0.01
82.333	0.00	0.02	0.016	O	|	|	|	|	0.01
82.417	0.00	0.02	0.016	O	|	|	|	|	0.01
82.500	0.00	0.02	0.016	O	|	|	|	|	0.01
82.583	0.00	0.02	0.016	O	|	|	|	|	0.01
82.667	0.00	0.02	0.016	O	|	|	|	|	0.01
82.750	0.00	0.02	0.016	O	|	|	|	|	0.01
82.833	0.00	0.02	0.016	O	|	|	|	|	0.01
82.917	0.00	0.02	0.015	O	|	|	|	|	0.01
83.000	0.00	0.02	0.015	O	|	|	|	|	0.01
83.083	0.00	0.02	0.015	O	|	|	|	|	0.01
83.167	0.00	0.02	0.015	O	|	|	|	|	0.01
83.250	0.00	0.02	0.015	O	|	|	|	|	0.01
83.333	0.00	0.02	0.015	O	|	|	|	|	0.01
83.417	0.00	0.02	0.015	O	|	|	|	|	0.01
83.500	0.00	0.02	0.015	O	|	|	|	|	0.01
83.583	0.00	0.02	0.015	O	|	|	|	|	0.01
83.667	0.00	0.02	0.014	O	|	|	|	|	0.01
83.750	0.00	0.02	0.014	O	|	|	|	|	0.01
83.833	0.00	0.02	0.014	O	|	|	|	|	0.01
83.917	0.00	0.02	0.014	O	|	|	|	|	0.01
84.000	0.00	0.02	0.014	O	|	|	|	|	0.01
84.083	0.00	0.02	0.014	O	|	|	|	|	0.01
84.167	0.00	0.02	0.014	O	|	|	|	|	0.01
84.250	0.00	0.02	0.014	O	|	|	|	|	0.01
84.333	0.00	0.02	0.014	O	|	|	|	|	0.01
84.417	0.00	0.02	0.013	O	|	|	|	|	0.01
84.500	0.00	0.02	0.013	O	|	|	|	|	0.01
84.583	0.00	0.01	0.013	O	|	|	|	|	0.01
84.667	0.00	0.01	0.013	O	|	|	|	|	0.01
84.750	0.00	0.01	0.013	O	|	|	|	|	0.01
84.833	0.00	0.01	0.013	O	|	|	|	|	0.01
84.917	0.00	0.01	0.013	O	|	|	|	|	0.01
85.000	0.00	0.01	0.013	O	|	|	|	|	0.01

85.083	0.00	0.01	0.013	O	|	|	|	|	0.01
85.167	0.00	0.01	0.013	O	|	|	|	|	0.01
85.250	0.00	0.01	0.012	O	|	|	|	|	0.01
85.333	0.00	0.01	0.012	O	|	|	|	|	0.01
85.417	0.00	0.01	0.012	O	|	|	|	|	0.01
85.500	0.00	0.01	0.012	O	|	|	|	|	0.01
85.583	0.00	0.01	0.012	O	|	|	|	|	0.01
85.667	0.00	0.01	0.012	O	|	|	|	|	0.01
85.750	0.00	0.01	0.012	O	|	|	|	|	0.01
85.833	0.00	0.01	0.012	O	|	|	|	|	0.01
85.917	0.00	0.01	0.012	O	|	|	|	|	0.01
86.000	0.00	0.01	0.012	O	|	|	|	|	0.01
86.083	0.00	0.01	0.012	O	|	|	|	|	0.01
86.167	0.00	0.01	0.011	O	|	|	|	|	0.01
86.250	0.00	0.01	0.011	O	|	|	|	|	0.01
86.333	0.00	0.01	0.011	O	|	|	|	|	0.01
86.417	0.00	0.01	0.011	O	|	|	|	|	0.01
86.500	0.00	0.01	0.011	O	|	|	|	|	0.01
86.583	0.00	0.01	0.011	O	|	|	|	|	0.01
86.667	0.00	0.01	0.011	O	|	|	|	|	0.01
86.750	0.00	0.01	0.011	O	|	|	|	|	0.01
86.833	0.00	0.01	0.011	O	|	|	|	|	0.01
86.917	0.00	0.01	0.011	O	|	|	|	|	0.01
87.000	0.00	0.01	0.011	O	|	|	|	|	0.01
87.083	0.00	0.01	0.010	O	|	|	|	|	0.01
87.167	0.00	0.01	0.010	O	|	|	|	|	0.01
87.250	0.00	0.01	0.010	O	|	|	|	|	0.01
87.333	0.00	0.01	0.010	O	|	|	|	|	0.00
87.417	0.00	0.01	0.010	O	|	|	|	|	0.00
87.500	0.00	0.01	0.010	O	|	|	|	|	0.00
87.583	0.00	0.01	0.010	O	|	|	|	|	0.00
87.667	0.00	0.01	0.010	O	|	|	|	|	0.00
87.750	0.00	0.01	0.010	O	|	|	|	|	0.00
87.833	0.00	0.01	0.010	O	|	|	|	|	0.00
87.917	0.00	0.01	0.010	O	|	|	|	|	0.00
88.000	0.00	0.01	0.010	O	|	|	|	|	0.00
88.083	0.00	0.01	0.010	O	|	|	|	|	0.00
88.167	0.00	0.01	0.009	O	|	|	|	|	0.00
88.250	0.00	0.01	0.009	O	|	|	|	|	0.00
88.333	0.00	0.01	0.009	O	|	|	|	|	0.00
88.417	0.00	0.01	0.009	O	|	|	|	|	0.00
88.500	0.00	0.01	0.009	O	|	|	|	|	0.00
88.583	0.00	0.01	0.009	O	|	|	|	|	0.00
88.667	0.00	0.01	0.009	O	|	|	|	|	0.00
88.750	0.00	0.01	0.009	O	|	|	|	|	0.00
88.833	0.00	0.01	0.009	O	|	|	|	|	0.00
88.917	0.00	0.01	0.009	O	|	|	|	|	0.00
89.000	0.00	0.01	0.009	O	|	|	|	|	0.00
89.083	0.00	0.01	0.009	O	|	|	|	|	0.00
89.167	0.00	0.01	0.009	O	|	|	|	|	0.00
89.250	0.00	0.01	0.009	O	|	|	|	|	0.00
89.333	0.00	0.01	0.008	O	|	|	|	|	0.00
89.417	0.00	0.01	0.008	O	|	|	|	|	0.00
89.500	0.00	0.01	0.008	O	|	|	|	|	0.00
89.583	0.00	0.01	0.008	O	|	|	|	|	0.00
89.667	0.00	0.01	0.008	O	|	|	|	|	0.00
89.750	0.00	0.01	0.008	O	|	|	|	|	0.00
89.833	0.00	0.01	0.008	O	|	|	|	|	0.00
89.917	0.00	0.01	0.008	O	|	|	|	|	0.00
90.000	0.00	0.01	0.008	O	|	|	|	|	0.00
90.083	0.00	0.01	0.008	O	|	|	|	|	0.00
90.167	0.00	0.01	0.008	O	|	|	|	|	0.00
90.250	0.00	0.01	0.008	O	|	|	|	|	0.00
90.333	0.00	0.01	0.008	O	|	|	|	|	0.00
90.417	0.00	0.01	0.008	O	|	|	|	|	0.00
90.500	0.00	0.01	0.008	O	|	|	|	|	0.00
90.583	0.00	0.01	0.008	O	|	|	|	|	0.00
90.667	0.00	0.01	0.007	O	|	|	|	|	0.00

90.750	0.00	0.01	0.007	O	|	|	|	|	0.00
90.833	0.00	0.01	0.007	O	|	|	|	|	0.00
90.917	0.00	0.01	0.007	O	|	|	|	|	0.00
91.000	0.00	0.01	0.007	O	|	|	|	|	0.00
91.083	0.00	0.01	0.007	O	|	|	|	|	0.00
91.167	0.00	0.01	0.007	O	|	|	|	|	0.00
91.250	0.00	0.01	0.007	O	|	|	|	|	0.00
91.333	0.00	0.01	0.007	O	|	|	|	|	0.00
91.417	0.00	0.01	0.007	O	|	|	|	|	0.00
91.500	0.00	0.01	0.007	O	|	|	|	|	0.00
91.583	0.00	0.01	0.007	O	|	|	|	|	0.00
91.667	0.00	0.01	0.007	O	|	|	|	|	0.00
91.750	0.00	0.01	0.007	O	|	|	|	|	0.00
91.833	0.00	0.01	0.007	O	|	|	|	|	0.00
91.917	0.00	0.01	0.007	O	|	|	|	|	0.00
92.000	0.00	0.01	0.007	O	|	|	|	|	0.00
92.083	0.00	0.01	0.007	O	|	|	|	|	0.00
92.167	0.00	0.01	0.007	O	|	|	|	|	0.00
92.250	0.00	0.01	0.006	O	|	|	|	|	0.00
92.333	0.00	0.01	0.006	O	|	|	|	|	0.00
92.417	0.00	0.01	0.006	O	|	|	|	|	0.00
92.500	0.00	0.01	0.006	O	|	|	|	|	0.00
92.583	0.00	0.01	0.006	O	|	|	|	|	0.00
92.667	0.00	0.01	0.006	O	|	|	|	|	0.00
92.750	0.00	0.01	0.006	O	|	|	|	|	0.00
92.833	0.00	0.01	0.006	O	|	|	|	|	0.00
92.917	0.00	0.01	0.006	O	|	|	|	|	0.00
93.000	0.00	0.01	0.006	O	|	|	|	|	0.00
93.083	0.00	0.01	0.006	O	|	|	|	|	0.00
93.167	0.00	0.01	0.006	O	|	|	|	|	0.00
93.250	0.00	0.01	0.006	O	|	|	|	|	0.00
93.333	0.00	0.01	0.006	O	|	|	|	|	0.00
93.417	0.00	0.01	0.006	O	|	|	|	|	0.00
93.500	0.00	0.01	0.006	O	|	|	|	|	0.00
93.583	0.00	0.01	0.006	O	|	|	|	|	0.00
93.667	0.00	0.01	0.006	O	|	|	|	|	0.00
93.750	0.00	0.01	0.006	O	|	|	|	|	0.00
93.833	0.00	0.01	0.006	O	|	|	|	|	0.00
93.917	0.00	0.01	0.006	O	|	|	|	|	0.00
94.000	0.00	0.01	0.005	O	|	|	|	|	0.00
94.083	0.00	0.01	0.005	O	|	|	|	|	0.00
94.167	0.00	0.01	0.005	O	|	|	|	|	0.00
94.250	0.00	0.01	0.005	O	|	|	|	|	0.00
94.333	0.00	0.01	0.005	O	|	|	|	|	0.00
94.417	0.00	0.01	0.005	O	|	|	|	|	0.00
94.500	0.00	0.01	0.005	O	|	|	|	|	0.00
94.583	0.00	0.01	0.005	O	|	|	|	|	0.00
94.667	0.00	0.01	0.005	O	|	|	|	|	0.00
94.750	0.00	0.01	0.005	O	|	|	|	|	0.00
94.833	0.00	0.01	0.005	O	|	|	|	|	0.00
94.917	0.00	0.01	0.005	O	|	|	|	|	0.00
95.000	0.00	0.01	0.005	O	|	|	|	|	0.00
95.083	0.00	0.01	0.005	O	|	|	|	|	0.00
95.167	0.00	0.01	0.005	O	|	|	|	|	0.00
95.250	0.00	0.01	0.005	O	|	|	|	|	0.00
95.333	0.00	0.01	0.005	O	|	|	|	|	0.00
95.417	0.00	0.01	0.005	O	|	|	|	|	0.00
95.500	0.00	0.01	0.005	O	|	|	|	|	0.00
95.583	0.00	0.01	0.005	O	|	|	|	|	0.00
95.667	0.00	0.01	0.005	O	|	|	|	|	0.00
95.750	0.00	0.01	0.005	O	|	|	|	|	0.00
95.833	0.00	0.01	0.005	O	|	|	|	|	0.00
95.917	0.00	0.01	0.005	O	|	|	|	|	0.00
96.000	0.00	0.01	0.005	O	|	|	|	|	0.00
96.083	0.00	0.01	0.005	O	|	|	|	|	0.00
96.167	0.00	0.01	0.004	O	|	|	|	|	0.00
96.250	0.00	0.01	0.004	O	|	|	|	|	0.00
96.333	0.00	0.00	0.004	O	|	|	|	|	0.00

96.417	0.00	0.00	0.004	O					0.00
96.500	0.00	0.00	0.004	O					0.00
96.583	0.00	0.00	0.004	O					0.00
96.667	0.00	0.00	0.004	O					0.00
96.750	0.00	0.00	0.004	O					0.00
96.833	0.00	0.00	0.004	O					0.00
96.917	0.00	0.00	0.004	O					0.00
97.000	0.00	0.00	0.004	O					0.00
97.083	0.00	0.00	0.004	O					0.00
97.167	0.00	0.00	0.004	O					0.00
97.250	0.00	0.00	0.004	O					0.00
97.333	0.00	0.00	0.004	O					0.00
97.417	0.00	0.00	0.004	O					0.00
97.500	0.00	0.00	0.004	O					0.00
97.583	0.00	0.00	0.004	O					0.00
97.667	0.00	0.00	0.004	O					0.00
97.750	0.00	0.00	0.004	O					0.00
97.833	0.00	0.00	0.004	O					0.00
97.917	0.00	0.00	0.004	O					0.00
98.000	0.00	0.00	0.004	O					0.00
98.083	0.00	0.00	0.004	O					0.00
98.167	0.00	0.00	0.004	O					0.00
98.250	0.00	0.00	0.004	O					0.00
98.333	0.00	0.00	0.004	O					0.00
98.417	0.00	0.00	0.004	O					0.00
98.500	0.00	0.00	0.004	O					0.00
98.583	0.00	0.00	0.004	O					0.00
98.667	0.00	0.00	0.004	O					0.00
98.750	0.00	0.00	0.004	O					0.00
98.833	0.00	0.00	0.003	O					0.00
98.917	0.00	0.00	0.003	O					0.00
99.000	0.00	0.00	0.003	O					0.00
99.083	0.00	0.00	0.003	O					0.00
99.167	0.00	0.00	0.003	O					0.00
99.250	0.00	0.00	0.003	O					0.00
99.333	0.00	0.00	0.003	O					0.00
99.417	0.00	0.00	0.003	O					0.00
99.500	0.00	0.00	0.003	O					0.00
99.583	0.00	0.00	0.003	O					0.00
99.667	0.00	0.00	0.003	O					0.00
99.750	0.00	0.00	0.003	O					0.00
99.833	0.00	0.00	0.003	O					0.00
99.917	0.00	0.00	0.003	O					0.00
100.000	0.00	0.00	0.003	O					0.00
100.083	0.00	0.00	0.003	O					0.00
100.167	0.00	0.00	0.003	O					0.00
100.250	0.00	0.00	0.003	O					0.00
100.333	0.00	0.00	0.003	O					0.00
100.417	0.00	0.00	0.003	O					0.00
100.500	0.00	0.00	0.003	O					0.00
100.583	0.00	0.00	0.003	O					0.00
100.667	0.00	0.00	0.003	O					0.00
100.750	0.00	0.00	0.003	O					0.00
100.833	0.00	0.00	0.003	O					0.00
100.917	0.00	0.00	0.003	O					0.00
101.000	0.00	0.00	0.003	O					0.00
101.083	0.00	0.00	0.003	O					0.00
101.167	0.00	0.00	0.003	O					0.00
101.250	0.00	0.00	0.003	O					0.00
101.333	0.00	0.00	0.003	O					0.00
101.417	0.00	0.00	0.003	O					0.00
101.500	0.00	0.00	0.003	O					0.00
101.583	0.00	0.00	0.003	O					0.00
101.667	0.00	0.00	0.003	O					0.00
101.750	0.00	0.00	0.003	O					0.00
101.833	0.00	0.00	0.003	O					0.00
101.917	0.00	0.00	0.003	O					0.00
102.000	0.00	0.00	0.003	O					0.00

102.083	0.00	0.00	0.003	O	|	|	|	|	0.00
102.167	0.00	0.00	0.003	O	|	|	|	|	0.00
102.250	0.00	0.00	0.003	O	|	|	|	|	0.00
102.333	0.00	0.00	0.003	O	|	|	|	|	0.00
102.417	0.00	0.00	0.002	O	|	|	|	|	0.00
102.500	0.00	0.00	0.002	O	|	|	|	|	0.00
102.583	0.00	0.00	0.002	O	|	|	|	|	0.00
102.667	0.00	0.00	0.002	O	|	|	|	|	0.00
102.750	0.00	0.00	0.002	O	|	|	|	|	0.00
102.833	0.00	0.00	0.002	O	|	|	|	|	0.00
102.917	0.00	0.00	0.002	O	|	|	|	|	0.00
103.000	0.00	0.00	0.002	O	|	|	|	|	0.00
103.083	0.00	0.00	0.002	O	|	|	|	|	0.00
103.167	0.00	0.00	0.002	O	|	|	|	|	0.00
103.250	0.00	0.00	0.002	O	|	|	|	|	0.00
103.333	0.00	0.00	0.002	O	|	|	|	|	0.00
103.417	0.00	0.00	0.002	O	|	|	|	|	0.00
103.500	0.00	0.00	0.002	O	|	|	|	|	0.00
103.583	0.00	0.00	0.002	O	|	|	|	|	0.00
103.667	0.00	0.00	0.002	O	|	|	|	|	0.00
103.750	0.00	0.00	0.002	O	|	|	|	|	0.00
103.833	0.00	0.00	0.002	O	|	|	|	|	0.00
103.917	0.00	0.00	0.002	O	|	|	|	|	0.00
104.000	0.00	0.00	0.002	O	|	|	|	|	0.00
104.083	0.00	0.00	0.002	O	|	|	|	|	0.00
104.167	0.00	0.00	0.002	O	|	|	|	|	0.00
104.250	0.00	0.00	0.002	O	|	|	|	|	0.00
104.333	0.00	0.00	0.002	O	|	|	|	|	0.00
104.417	0.00	0.00	0.002	O	|	|	|	|	0.00
104.500	0.00	0.00	0.002	O	|	|	|	|	0.00
104.583	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1255
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 21.025 (CFS)
Total volume = 12.889 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 01/08/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRB3100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 47
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 203.948 (CFS)
Total volume = 17.567 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN B- ROUTING
100YR-3HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 47
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	2.050	2.320	2.042	2.058
2.000	4.240	3.490	4.228	4.252
3.000	6.570	4.360	6.555	6.585
4.000	9.040	5.080	9.023	9.057
5.000	11.650	5.710	11.630	11.670
6.000	14.410	127.850	13.970	14.850
7.000	17.320	320.000	16.218	18.422
8.000	20.370	563.910	18.428	22.312
9.000	23.580	930.190	20.377	26.783
10.000	26.950	1399.580	22.131	31.769
11.000	30.500	1945.140	23.802	37.198

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	51.0	101.97	152.96	203.95 (Ft.) Depth

0.083	2.53	0.01	0.009	O	|	|	|	|	0.00
0.167	11.87	0.07	0.058	OI	|	|	|	|	0.03
0.250	16.33	0.17	0.154	O I	|	|	|	|	0.08
0.333	17.39	0.30	0.269	O I	|	|	|	|	0.13
0.417	22.32	0.46	0.403	O I	|	|	|	|	0.20
0.500	26.41	0.64	0.567	O I	|	|	|	|	0.28
0.583	30.63	0.86	0.758	O I	|	|	|	|	0.37
0.667	30.76	1.09	0.963	O I	|	|	|	|	0.47
0.750	34.02	1.33	1.178	O I	|	|	|	|	0.57
0.833	35.16	1.59	1.406	O I	|	|	|	|	0.69
0.917	32.51	1.84	1.627	O I	|	|	|	|	0.79
1.000	33.01	2.08	1.839	O I	|	|	|	|	0.90
1.083	37.35	2.33	2.066	O I	|	|	|	|	1.01
1.167	44.15	2.47	2.330	O I	|	|	|	|	1.13
1.250	47.65	2.63	2.629	O I	|	|	|	|	1.26
1.333	48.40	2.80	2.941	O I	|	|	|	|	1.41
1.417	48.79	2.96	3.256	O I	|	|	|	|	1.55
1.500	56.28	3.15	3.596	O I	|	|	|	|	1.71
1.583	60.74	3.35	3.977	O I	|	|	|	|	1.88
1.667	60.19	3.54	4.370	O I	|	|	|	|	2.06
1.750	65.50	3.69	4.778	O I	|	|	|	|	2.23
1.833	74.98	3.86	5.235	O I	|	|	|	|	2.43
1.917	76.86	4.05	5.731	O I	|	|	|	|	2.64
2.000	75.40	4.23	6.227	O I	|	|	|	|	2.85
2.083	76.48	4.40	6.720	O I	|	|	|	|	3.06
2.167	82.51	4.55	7.237	O I	|	|	|	|	3.27
2.250	101.18	4.73	7.837	O I	|	|	|	|	3.51
2.333	114.99	4.94	8.548	O I	|	|	|	|	3.80
2.417	116.18	5.15	9.310	O I	|	|	|	|	4.10
2.500	155.52	5.36	10.209	O I	|	|	|	|	4.45
2.583	187.96	5.64	11.354	O I	|	|	|	|	4.89
2.667	203.95	44.67	12.530	| O |	|	|	|	|	5.32
2.750	172.38	82.62	13.388	| O |	|	|	|	|	5.63
2.833	109.89	**98.10**	**13.738**	| O |	|	|	|	|	**5.76**
2.917	76.81	96.84	13.709	| O |	|	|	|	|	5.75
3.000	60.14	89.34	13.540	| O |	|	|	|	|	5.68
3.083	39.24	78.85	13.303	| O |	|	|	|	|	5.60
3.167	23.65	66.32	13.020	| O |	|	|	|	|	5.50
3.250	15.42	53.94	12.740	| O |	|	|	|	|	5.39
3.333	10.43	43.10	12.495	| O |	|	|	|	|	5.31
3.417	6.77	33.97	12.289	| O |	|	|	|	|	5.23
3.500	4.12	26.43	12.118	| O |	|	|	|	|	5.17
3.583	2.07	20.26	11.979	| O |	|	|	|	|	5.12
3.667	0.94	15.30	11.867	| O |	|	|	|	|	5.08
3.750	0.53	11.44	11.780	| O |	|	|	|	|	5.05
3.833	0.23	8.52	11.713	| O |	|	|	|	|	5.02
3.917	0.04	6.30	11.663	| O |	|	|	|	|	5.00
4.000	0.00	5.70	11.622	| O |	|	|	|	|	4.99
4.083	0.00	5.69	11.583	| O |	|	|	|	|	4.97
4.167	0.00	5.68	11.544	| O |	|	|	|	|	4.96
4.250	0.00	5.67	11.505	| O |	|	|	|	|	4.94
4.333	0.00	5.67	11.466	| O |	|	|	|	|	4.93
4.417	0.00	5.66	11.427	| O |	|	|	|	|	4.91
4.500	0.00	5.65	11.388	| O |	|	|	|	|	4.90
4.583	0.00	5.64	11.349	| O |	|	|	|	|	4.88
4.667	0.00	5.63	11.310	| O |	|	|	|	|	4.87
4.750	0.00	5.62	11.271	| O |	|	|	|	|	4.85
4.833	0.00	5.61	11.233	| O |	|	|	|	|	4.84
4.917	0.00	5.60	11.194	| O |	|	|	|	|	4.83
5.000	0.00	5.59	11.155	| O |	|	|	|	|	4.81
5.083	0.00	5.58	11.117	| O |	|	|	|	|	4.80
5.167	0.00	5.57	11.079	| O |	|	|	|	|	4.78
5.250	0.00	5.56	11.040	| O |	|	|	|	|	4.77
5.333	0.00	5.55	11.002	| O |	|	|	|	|	4.75
5.417	0.00	5.54	10.964	| O |	|	|	|	|	4.74
5.500	0.00	5.54	10.926	| O |	|	|	|	|	4.72
5.583	0.00	5.53	10.888	| O |	|	|	|	|	4.71
5.667	0.00	5.52	10.850	| O |	|	|	|	|	4.69

5.750	0.00	5.51	10.812	O	|	|	|	|	4.68
5.833	0.00	5.50	10.774	O	|	|	|	|	4.66
5.917	0.00	5.49	10.736	O	|	|	|	|	4.65
6.000	0.00	5.48	10.698	O	|	|	|	|	4.64
6.083	0.00	5.47	10.660	O	|	|	|	|	4.62
6.167	0.00	5.46	10.623	O	|	|	|	|	4.61
6.250	0.00	5.45	10.585	O	|	|	|	|	4.59
6.333	0.00	5.44	10.548	O	|	|	|	|	4.58
6.417	0.00	5.43	10.510	O	|	|	|	|	4.56
6.500	0.00	5.43	10.473	O	|	|	|	|	4.55
6.583	0.00	5.42	10.435	O	|	|	|	|	4.53
6.667	0.00	5.41	10.398	O	|	|	|	|	4.52
6.750	0.00	5.40	10.361	O	|	|	|	|	4.51
6.833	0.00	5.39	10.324	O	|	|	|	|	4.49
6.917	0.00	5.38	10.287	O	|	|	|	|	4.48
7.000	0.00	5.37	10.250	O	|	|	|	|	4.46
7.083	0.00	5.36	10.213	O	|	|	|	|	4.45
7.167	0.00	5.35	10.176	O	|	|	|	|	4.44
7.250	0.00	5.35	10.139	O	|	|	|	|	4.42
7.333	0.00	5.34	10.102	O	|	|	|	|	4.41
7.417	0.00	5.33	10.065	O	|	|	|	|	4.39
7.500	0.00	5.32	10.029	O	|	|	|	|	4.38
7.583	0.00	5.31	9.992	O	|	|	|	|	4.36
7.667	0.00	5.30	9.956	O	|	|	|	|	4.35
7.750	0.00	5.29	9.919	O	|	|	|	|	4.34
7.833	0.00	5.28	9.883	O	|	|	|	|	4.32
7.917	0.00	5.27	9.846	O	|	|	|	|	4.31
8.000	0.00	5.27	9.810	O	|	|	|	|	4.30
8.083	0.00	5.26	9.774	O	|	|	|	|	4.28
8.167	0.00	5.25	9.738	O	|	|	|	|	4.27
8.250	0.00	5.24	9.702	O	|	|	|	|	4.25
8.333	0.00	5.23	9.665	O	|	|	|	|	4.24
8.417	0.00	5.22	9.629	O	|	|	|	|	4.23
8.500	0.00	5.21	9.594	O	|	|	|	|	4.21
8.583	0.00	5.20	9.558	O	|	|	|	|	4.20
8.667	0.00	5.20	9.522	O	|	|	|	|	4.18
8.750	0.00	5.19	9.486	O	|	|	|	|	4.17
8.833	0.00	5.18	9.450	O	|	|	|	|	4.16
8.917	0.00	5.17	9.415	O	|	|	|	|	4.14
9.000	0.00	5.16	9.379	O	|	|	|	|	4.13
9.083	0.00	5.15	9.344	O	|	|	|	|	4.12
9.167	0.00	5.14	9.308	O	|	|	|	|	4.10
9.250	0.00	5.14	9.273	O	|	|	|	|	4.09
9.333	0.00	5.13	9.237	O	|	|	|	|	4.08
9.417	0.00	5.12	9.202	O	|	|	|	|	4.06
9.500	0.00	5.11	9.167	O	|	|	|	|	4.05
9.583	0.00	5.10	9.132	O	|	|	|	|	4.04
9.667	0.00	5.09	9.097	O	|	|	|	|	4.02
9.750	0.00	5.09	9.062	O	|	|	|	|	4.01
9.833	0.00	5.08	9.027	O	|	|	|	|	3.99
9.917	0.00	5.07	8.992	O	|	|	|	|	3.98
10.000	0.00	5.06	8.957	O	|	|	|	|	3.97
10.083	0.00	5.05	8.922	O	|	|	|	|	3.95
10.167	0.00	5.04	8.887	O	|	|	|	|	3.94
10.250	0.00	5.03	8.853	O	|	|	|	|	3.92
10.333	0.00	5.02	8.818	O	|	|	|	|	3.91
10.417	0.00	5.01	8.784	O	|	|	|	|	3.90
10.500	0.00	5.00	8.749	O	|	|	|	|	3.88
10.583	0.00	4.99	8.715	O	|	|	|	|	3.87
10.667	0.00	4.98	8.680	O	|	|	|	|	3.85
10.750	0.00	4.97	8.646	O	|	|	|	|	3.84
10.833	0.00	4.96	8.612	O	|	|	|	|	3.83
10.917	0.00	4.95	8.578	O	|	|	|	|	3.81
11.000	0.00	4.94	8.544	O	|	|	|	|	3.80
11.083	0.00	4.93	8.510	O	|	|	|	|	3.79
11.167	0.00	4.92	8.476	O	|	|	|	|	3.77
11.250	0.00	4.91	8.442	O	|	|	|	|	3.76
11.333	0.00	4.90	8.409	O	|	|	|	|	3.74

11.417	0.00	4.89	8.375	O	|	|	|	|	3.73
11.500	0.00	4.88	8.341	O	|	|	|	|	3.72
11.583	0.00	4.87	8.308	O	|	|	|	|	3.70
11.667	0.00	4.86	8.274	O	|	|	|	|	3.69
11.750	0.00	4.85	8.241	O	|	|	|	|	3.68
11.833	0.00	4.84	8.207	O	|	|	|	|	3.66
11.917	0.00	4.83	8.174	O	|	|	|	|	3.65
12.000	0.00	4.82	8.141	O	|	|	|	|	3.64
12.083	0.00	4.81	8.108	O	|	|	|	|	3.62
12.167	0.00	4.80	8.075	O	|	|	|	|	3.61
12.250	0.00	4.79	8.042	O	|	|	|	|	3.60
12.333	0.00	4.78	8.009	O	|	|	|	|	3.58
12.417	0.00	4.77	7.976	O	|	|	|	|	3.57
12.500	0.00	4.76	7.943	O	|	|	|	|	3.56
12.583	0.00	4.75	7.910	O	|	|	|	|	3.54
12.667	0.00	4.74	7.878	O	|	|	|	|	3.53
12.750	0.00	4.73	7.845	O	|	|	|	|	3.52
12.833	0.00	4.72	7.812	O	|	|	|	|	3.50
12.917	0.00	4.71	7.780	O	|	|	|	|	3.49
13.000	0.00	4.70	7.748	O	|	|	|	|	3.48
13.083	0.00	4.69	7.715	O	|	|	|	|	3.46
13.167	0.00	4.68	7.683	O	|	|	|	|	3.45
13.250	0.00	4.68	7.651	O	|	|	|	|	3.44
13.333	0.00	4.67	7.619	O	|	|	|	|	3.42
13.417	0.00	4.66	7.586	O	|	|	|	|	3.41
13.500	0.00	4.65	7.554	O	|	|	|	|	3.40
13.583	0.00	4.64	7.522	O	|	|	|	|	3.39
13.667	0.00	4.63	7.490	O	|	|	|	|	3.37
13.750	0.00	4.62	7.459	O	|	|	|	|	3.36
13.833	0.00	4.61	7.427	O	|	|	|	|	3.35
13.917	0.00	4.60	7.395	O	|	|	|	|	3.33
14.000	0.00	4.59	7.363	O	|	|	|	|	3.32
14.083	0.00	4.58	7.332	O	|	|	|	|	3.31
14.167	0.00	4.57	7.300	O	|	|	|	|	3.30
14.250	0.00	4.56	7.269	O	|	|	|	|	3.28
14.333	0.00	4.55	7.238	O	|	|	|	|	3.27
14.417	0.00	4.55	7.206	O	|	|	|	|	3.26
14.500	0.00	4.54	7.175	O	|	|	|	|	3.24
14.583	0.00	4.53	7.144	O	|	|	|	|	3.23
14.667	0.00	4.52	7.113	O	|	|	|	|	3.22
14.750	0.00	4.51	7.081	O	|	|	|	|	3.21
14.833	0.00	4.50	7.050	O	|	|	|	|	3.19
14.917	0.00	4.49	7.019	O	|	|	|	|	3.18
15.000	0.00	4.48	6.989	O	|	|	|	|	3.17
15.083	0.00	4.47	6.958	O	|	|	|	|	3.16
15.167	0.00	4.46	6.927	O	|	|	|	|	3.14
15.250	0.00	4.46	6.896	O	|	|	|	|	3.13
15.333	0.00	4.45	6.866	O	|	|	|	|	3.12
15.417	0.00	4.44	6.835	O	|	|	|	|	3.11
15.500	0.00	4.43	6.804	O	|	|	|	|	3.09
15.583	0.00	4.42	6.774	O	|	|	|	|	3.08
15.667	0.00	4.41	6.744	O	|	|	|	|	3.07
15.750	0.00	4.40	6.713	O	|	|	|	|	3.06
15.833	0.00	4.39	6.683	O	|	|	|	|	3.05
15.917	0.00	4.38	6.653	O	|	|	|	|	3.03
16.000	0.00	4.38	6.623	O	|	|	|	|	3.02
16.083	0.00	4.37	6.592	O	|	|	|	|	3.01
16.167	0.00	4.36	6.562	O	|	|	|	|	3.00
16.250	0.00	4.35	6.532	O	|	|	|	|	2.98
16.333	0.00	4.33	6.503	O	|	|	|	|	2.97
16.417	0.00	4.32	6.473	O	|	|	|	|	2.96
16.500	0.00	4.31	6.443	O	|	|	|	|	2.95
16.583	0.00	4.30	6.413	O	|	|	|	|	2.93
16.667	0.00	4.29	6.384	O	|	|	|	|	2.92
16.750	0.00	4.28	6.354	O	|	|	|	|	2.91
16.833	0.00	4.27	6.325	O	|	|	|	|	2.89
16.917	0.00	4.26	6.295	O	|	|	|	|	2.88
17.000	0.00	4.25	6.266	O	|	|	|	|	2.87

17.083	0.00	4.24	6.237	O	|	|	|	|	2.86
17.167	0.00	4.22	6.208	O	|	|	|	|	2.84
17.250	0.00	4.21	6.179	O	|	|	|	|	2.83
17.333	0.00	4.20	6.150	O	|	|	|	|	2.82
17.417	0.00	4.19	6.121	O	|	|	|	|	2.81
17.500	0.00	4.18	6.092	O	|	|	|	|	2.79
17.583	0.00	4.17	6.063	O	|	|	|	|	2.78
17.667	0.00	4.16	6.035	O	|	|	|	|	2.77
17.750	0.00	4.15	6.006	O	|	|	|	|	2.76
17.833	0.00	4.14	5.977	O	|	|	|	|	2.75
17.917	0.00	4.13	5.949	O	|	|	|	|	2.73
18.000	0.00	4.12	5.921	O	|	|	|	|	2.72
18.083	0.00	4.11	5.892	O	|	|	|	|	2.71
18.167	0.00	4.10	5.864	O	|	|	|	|	2.70
18.250	0.00	4.09	5.836	O	|	|	|	|	2.68
18.333	0.00	4.08	5.808	O	|	|	|	|	2.67
18.417	0.00	4.06	5.780	O	|	|	|	|	2.66
18.500	0.00	4.05	5.752	O	|	|	|	|	2.65
18.583	0.00	4.04	5.724	O	|	|	|	|	2.64
18.667	0.00	4.03	5.696	O	|	|	|	|	2.62
18.750	0.00	4.02	5.668	O	|	|	|	|	2.61
18.833	0.00	4.01	5.641	O	|	|	|	|	2.60
18.917	0.00	4.00	5.613	O	|	|	|	|	2.59
19.000	0.00	3.99	5.586	O	|	|	|	|	2.58
19.083	0.00	3.98	5.558	O	|	|	|	|	2.57
19.167	0.00	3.97	5.531	O	|	|	|	|	2.55
19.250	0.00	3.96	5.503	O	|	|	|	|	2.54
19.333	0.00	3.95	5.476	O	|	|	|	|	2.53
19.417	0.00	3.94	5.449	O	|	|	|	|	2.52
19.500	0.00	3.93	5.422	O	|	|	|	|	2.51
19.583	0.00	3.92	5.395	O	|	|	|	|	2.50
19.667	0.00	3.91	5.368	O	|	|	|	|	2.48
19.750	0.00	3.90	5.341	O	|	|	|	|	2.47
19.833	0.00	3.89	5.314	O	|	|	|	|	2.46
19.917	0.00	3.88	5.287	O	|	|	|	|	2.45
20.000	0.00	3.87	5.261	O	|	|	|	|	2.44
20.083	0.00	3.86	5.234	O	|	|	|	|	2.43
20.167	0.00	3.85	5.207	O	|	|	|	|	2.42
20.250	0.00	3.84	5.181	O	|	|	|	|	2.40
20.333	0.00	3.83	5.154	O	|	|	|	|	2.39
20.417	0.00	3.82	5.128	O	|	|	|	|	2.38
20.500	0.00	3.81	5.102	O	|	|	|	|	2.37
20.583	0.00	3.80	5.076	O	|	|	|	|	2.36
20.667	0.00	3.79	5.049	O	|	|	|	|	2.35
20.750	0.00	3.78	5.023	O	|	|	|	|	2.34
20.833	0.00	3.77	4.997	O	|	|	|	|	2.33
20.917	0.00	3.76	4.971	O	|	|	|	|	2.31
21.000	0.00	3.75	4.946	O	|	|	|	|	2.30
21.083	0.00	3.74	4.920	O	|	|	|	|	2.29
21.167	0.00	3.73	4.894	O	|	|	|	|	2.28
21.250	0.00	3.72	4.868	O	|	|	|	|	2.27
21.333	0.00	3.72	4.843	O	|	|	|	|	2.26
21.417	0.00	3.71	4.817	O	|	|	|	|	2.25
21.500	0.00	3.70	4.792	O	|	|	|	|	2.24
21.583	0.00	3.69	4.766	O	|	|	|	|	2.23
21.667	0.00	3.68	4.741	O	|	|	|	|	2.21
21.750	0.00	3.67	4.716	O	|	|	|	|	2.20
21.833	0.00	3.66	4.690	O	|	|	|	|	2.19
21.917	0.00	3.65	4.665	O	|	|	|	|	2.18
22.000	0.00	3.64	4.640	O	|	|	|	|	2.17
22.083	0.00	3.63	4.615	O	|	|	|	|	2.16
22.167	0.00	3.62	4.590	O	|	|	|	|	2.15
22.250	0.00	3.61	4.565	O	|	|	|	|	2.14
22.333	0.00	3.60	4.540	O	|	|	|	|	2.13
22.417	0.00	3.59	4.516	O	|	|	|	|	2.12
22.500	0.00	3.58	4.491	O	|	|	|	|	2.11
22.583	0.00	3.57	4.466	O	|	|	|	|	2.10
22.667	0.00	3.57	4.442	O	|	|	|	|	2.09

22.750	0.00	3.56	4.417	O	|	|	|	|	2.08
22.833	0.00	3.55	4.393	O	|	|	|	|	2.07
22.917	0.00	3.54	4.368	O	|	|	|	|	2.06
23.000	0.00	3.53	4.344	O	|	|	|	|	2.04
23.083	0.00	3.52	4.320	O	|	|	|	|	2.03
23.167	0.00	3.51	4.295	O	|	|	|	|	2.02
23.250	0.00	3.50	4.271	O	|	|	|	|	2.01
23.333	0.00	3.49	4.247	O	|	|	|	|	2.00
23.417	0.00	3.48	4.223	O	|	|	|	|	1.99
23.500	0.00	3.47	4.199	O	|	|	|	|	1.98
23.583	0.00	3.46	4.175	O	|	|	|	|	1.97
23.667	0.00	3.44	4.152	O	|	|	|	|	1.96
23.750	0.00	3.43	4.128	O	|	|	|	|	1.95
23.833	0.00	3.42	4.104	O	|	|	|	|	1.94
23.917	0.00	3.41	4.081	O	|	|	|	|	1.93
24.000	0.00	3.39	4.058	O	|	|	|	|	1.92
24.083	0.00	3.38	4.034	O	|	|	|	|	1.91
24.167	0.00	3.37	4.011	O	|	|	|	|	1.90
24.250	0.00	3.36	3.988	O	|	|	|	|	1.88
24.333	0.00	3.34	3.965	O	|	|	|	|	1.87
24.417	0.00	3.33	3.942	O	|	|	|	|	1.86
24.500	0.00	3.32	3.919	O	|	|	|	|	1.85
24.583	0.00	3.31	3.896	O	|	|	|	|	1.84
24.667	0.00	3.29	3.873	O	|	|	|	|	1.83
24.750	0.00	3.28	3.851	O	|	|	|	|	1.82
24.833	0.00	3.27	3.828	O	|	|	|	|	1.81
24.917	0.00	3.26	3.806	O	|	|	|	|	1.80
25.000	0.00	3.25	3.783	O	|	|	|	|	1.79
25.083	0.00	3.23	3.761	O	|	|	|	|	1.78
25.167	0.00	3.22	3.739	O	|	|	|	|	1.77
25.250	0.00	3.21	3.717	O	|	|	|	|	1.76
25.333	0.00	3.20	3.694	O	|	|	|	|	1.75
25.417	0.00	3.19	3.672	O	|	|	|	|	1.74
25.500	0.00	3.18	3.651	O	|	|	|	|	1.73
25.583	0.00	3.16	3.629	O	|	|	|	|	1.72
25.667	0.00	3.15	3.607	O	|	|	|	|	1.71
25.750	0.00	3.14	3.585	O	|	|	|	|	1.70
25.833	0.00	3.13	3.564	O	|	|	|	|	1.69
25.917	0.00	3.12	3.542	O	|	|	|	|	1.68
26.000	0.00	3.11	3.521	O	|	|	|	|	1.67
26.083	0.00	3.09	3.499	O	|	|	|	|	1.66
26.167	0.00	3.08	3.478	O	|	|	|	|	1.65
26.250	0.00	3.07	3.457	O	|	|	|	|	1.64
26.333	0.00	3.06	3.436	O	|	|	|	|	1.63
26.417	0.00	3.05	3.415	O	|	|	|	|	1.62
26.500	0.00	3.04	3.394	O	|	|	|	|	1.61
26.583	0.00	3.03	3.373	O	|	|	|	|	1.60
26.667	0.00	3.02	3.352	O	|	|	|	|	1.59
26.750	0.00	3.00	3.331	O	|	|	|	|	1.59
26.833	0.00	2.99	3.311	O	|	|	|	|	1.58
26.917	0.00	2.98	3.290	O	|	|	|	|	1.57
27.000	0.00	2.97	3.270	O	|	|	|	|	1.56
27.083	0.00	2.96	3.249	O	|	|	|	|	1.55
27.167	0.00	2.95	3.229	O	|	|	|	|	1.54
27.250	0.00	2.94	3.209	O	|	|	|	|	1.53
27.333	0.00	2.93	3.188	O	|	|	|	|	1.52
27.417	0.00	2.92	3.168	O	|	|	|	|	1.51
27.500	0.00	2.91	3.148	O	|	|	|	|	1.50
27.583	0.00	2.90	3.128	O	|	|	|	|	1.49
27.667	0.00	2.89	3.108	O	|	|	|	|	1.48
27.750	0.00	2.87	3.089	O	|	|	|	|	1.47
27.833	0.00	2.86	3.069	O	|	|	|	|	1.47
27.917	0.00	2.85	3.049	O	|	|	|	|	1.46
28.000	0.00	2.84	3.029	O	|	|	|	|	1.45
28.083	0.00	2.83	3.010	O	|	|	|	|	1.44
28.167	0.00	2.82	2.990	O	|	|	|	|	1.43
28.250	0.00	2.81	2.971	O	|	|	|	|	1.42
28.333	0.00	2.80	2.952	O	|	|	|	|	1.41

28.417	0.00	2.79	2.932	O	|	|	|	|	1.40
28.500	0.00	2.78	2.913	O	|	|	|	|	1.39
28.583	0.00	2.77	2.894	O	|	|	|	|	1.39
28.667	0.00	2.76	2.875	O	|	|	|	|	1.38
28.750	0.00	2.75	2.856	O	|	|	|	|	1.37
28.833	0.00	2.74	2.837	O	|	|	|	|	1.36
28.917	0.00	2.73	2.818	O	|	|	|	|	1.35
29.000	0.00	2.72	2.800	O	|	|	|	|	1.34
29.083	0.00	2.71	2.781	O	|	|	|	|	1.33
29.167	0.00	2.70	2.762	O	|	|	|	|	1.33
29.250	0.00	2.69	2.744	O	|	|	|	|	1.32
29.333	0.00	2.68	2.725	O	|	|	|	|	1.31
29.417	0.00	2.67	2.707	O	|	|	|	|	1.30
29.500	0.00	2.66	2.688	O	|	|	|	|	1.29
29.583	0.00	2.65	2.670	O	|	|	|	|	1.28
29.667	0.00	2.64	2.652	O	|	|	|	|	1.27
29.750	0.00	2.63	2.634	O	|	|	|	|	1.27
29.833	0.00	2.62	2.616	O	|	|	|	|	1.26
29.917	0.00	2.61	2.598	O	|	|	|	|	1.25
30.000	0.00	2.60	2.580	O	|	|	|	|	1.24
30.083	0.00	2.59	2.562	O	|	|	|	|	1.23
30.167	0.00	2.58	2.544	O	|	|	|	|	1.23
30.250	0.00	2.57	2.526	O	|	|	|	|	1.22
30.333	0.00	2.56	2.508	O	|	|	|	|	1.21
30.417	0.00	2.56	2.491	O	|	|	|	|	1.20
30.500	0.00	2.55	2.473	O	|	|	|	|	1.19
30.583	0.00	2.54	2.456	O	|	|	|	|	1.19
30.667	0.00	2.53	2.438	O	|	|	|	|	1.18
30.750	0.00	2.52	2.421	O	|	|	|	|	1.17
30.833	0.00	2.51	2.404	O	|	|	|	|	1.16
30.917	0.00	2.50	2.386	O	|	|	|	|	1.15
31.000	0.00	2.49	2.369	O	|	|	|	|	1.15
31.083	0.00	2.48	2.352	O	|	|	|	|	1.14
31.167	0.00	2.47	2.335	O	|	|	|	|	1.13
31.250	0.00	2.46	2.318	O	|	|	|	|	1.12
31.333	0.00	2.45	2.301	O	|	|	|	|	1.11
31.417	0.00	2.45	2.284	O	|	|	|	|	1.11
31.500	0.00	2.44	2.267	O	|	|	|	|	1.10
31.583	0.00	2.43	2.251	O	|	|	|	|	1.09
31.667	0.00	2.42	2.234	O	|	|	|	|	1.08
31.750	0.00	2.41	2.217	O	|	|	|	|	1.08
31.833	0.00	2.40	2.201	O	|	|	|	|	1.07
31.917	0.00	2.39	2.184	O	|	|	|	|	1.06
32.000	0.00	2.38	2.168	O	|	|	|	|	1.05
32.083	0.00	2.37	2.151	O	|	|	|	|	1.05
32.167	0.00	2.37	2.135	O	|	|	|	|	1.04
32.250	0.00	2.36	2.119	O	|	|	|	|	1.03
32.333	0.00	2.35	2.103	O	|	|	|	|	1.02
32.417	0.00	2.34	2.087	O	|	|	|	|	1.02
32.500	0.00	2.33	2.070	O	|	|	|	|	1.01
32.583	0.00	2.32	2.054	O	|	|	|	|	1.00
32.667	0.00	2.31	2.039	O	|	|	|	|	0.99
32.750	0.00	2.29	2.023	O	|	|	|	|	0.99
32.833	0.00	2.27	2.007	O	|	|	|	|	0.98
32.917	0.00	2.25	1.991	O	|	|	|	|	0.97
33.000	0.00	2.24	1.976	O	|	|	|	|	0.96
33.083	0.00	2.22	1.961	O	|	|	|	|	0.96
33.167	0.00	2.20	1.945	O	|	|	|	|	0.95
33.250	0.00	2.18	1.930	O	|	|	|	|	0.94
33.333	0.00	2.17	1.915	O	|	|	|	|	0.93
33.417	0.00	2.15	1.900	O	|	|	|	|	0.93
33.500	0.00	2.13	1.886	O	|	|	|	|	0.92
33.583	0.00	2.12	1.871	O	|	|	|	|	0.91
33.667	0.00	2.10	1.856	O	|	|	|	|	0.91
33.750	0.00	2.08	1.842	O	|	|	|	|	0.90
33.833	0.00	2.07	1.828	O	|	|	|	|	0.89
33.917	0.00	2.05	1.814	O	|	|	|	|	0.88
34.000	0.00	2.04	1.800	O	|	|	|	|	0.88

34.083	0.00	2.02	1.786	O	|	|	|	|	0.87
34.167	0.00	2.01	1.772	O	|	|	|	|	0.86
34.250	0.00	1.99	1.758	O	|	|	|	|	0.86
34.333	0.00	1.97	1.744	O	|	|	|	|	0.85
34.417	0.00	1.96	1.731	O	|	|	|	|	0.84
34.500	0.00	1.94	1.717	O	|	|	|	|	0.84
34.583	0.00	1.93	1.704	O	|	|	|	|	0.83
34.667	0.00	1.91	1.691	O	|	|	|	|	0.82
34.750	0.00	1.90	1.678	O	|	|	|	|	0.82
34.833	0.00	1.88	1.665	O	|	|	|	|	0.81
34.917	0.00	1.87	1.652	O	|	|	|	|	0.81
35.000	0.00	1.85	1.639	O	|	|	|	|	0.80
35.083	0.00	1.84	1.626	O	|	|	|	|	0.79
35.167	0.00	1.83	1.613	O	|	|	|	|	0.79
35.250	0.00	1.81	1.601	O	|	|	|	|	0.78
35.333	0.00	1.80	1.589	O	|	|	|	|	0.77
35.417	0.00	1.78	1.576	O	|	|	|	|	0.77
35.500	0.00	1.77	1.564	O	|	|	|	|	0.76
35.583	0.00	1.76	1.552	O	|	|	|	|	0.76
35.667	0.00	1.74	1.540	O	|	|	|	|	0.75
35.750	0.00	1.73	1.528	O	|	|	|	|	0.75
35.833	0.00	1.72	1.516	O	|	|	|	|	0.74
35.917	0.00	1.70	1.504	O	|	|	|	|	0.73
36.000	0.00	1.69	1.492	O	|	|	|	|	0.73
36.083	0.00	1.68	1.481	O	|	|	|	|	0.72
36.167	0.00	1.66	1.469	O	|	|	|	|	0.72
36.250	0.00	1.65	1.458	O	|	|	|	|	0.71
36.333	0.00	1.64	1.447	O	|	|	|	|	0.71
36.417	0.00	1.62	1.435	O	|	|	|	|	0.70
36.500	0.00	1.61	1.424	O	|	|	|	|	0.69
36.583	0.00	1.60	1.413	O	|	|	|	|	0.69
36.667	0.00	1.59	1.402	O	|	|	|	|	0.68
36.750	0.00	1.57	1.391	O	|	|	|	|	0.68
36.833	0.00	1.56	1.381	O	|	|	|	|	0.67
36.917	0.00	1.55	1.370	O	|	|	|	|	0.67
37.000	0.00	1.54	1.359	O	|	|	|	|	0.66
37.083	0.00	1.53	1.349	O	|	|	|	|	0.66
37.167	0.00	1.51	1.338	O	|	|	|	|	0.65
37.250	0.00	1.50	1.328	O	|	|	|	|	0.65
37.333	0.00	1.49	1.318	O	|	|	|	|	0.64
37.417	0.00	1.48	1.307	O	|	|	|	|	0.64
37.500	0.00	1.47	1.297	O	|	|	|	|	0.63
37.583	0.00	1.46	1.287	O	|	|	|	|	0.63
37.667	0.00	1.45	1.277	O	|	|	|	|	0.62
37.750	0.00	1.43	1.267	O	|	|	|	|	0.62
37.833	0.00	1.42	1.257	O	|	|	|	|	0.61
37.917	0.00	1.41	1.248	O	|	|	|	|	0.61
38.000	0.00	1.40	1.238	O	|	|	|	|	0.60
38.083	0.00	1.39	1.228	O	|	|	|	|	0.60
38.167	0.00	1.38	1.219	O	|	|	|	|	0.59
38.250	0.00	1.37	1.209	O	|	|	|	|	0.59
38.333	0.00	1.36	1.200	O	|	|	|	|	0.59
38.417	0.00	1.35	1.191	O	|	|	|	|	0.58
38.500	0.00	1.34	1.181	O	|	|	|	|	0.58
38.583	0.00	1.33	1.172	O	|	|	|	|	0.57
38.667	0.00	1.32	1.163	O	|	|	|	|	0.57
38.750	0.00	1.31	1.154	O	|	|	|	|	0.56
38.833	0.00	1.30	1.145	O	|	|	|	|	0.56
38.917	0.00	1.29	1.136	O	|	|	|	|	0.55
39.000	0.00	1.28	1.127	O	|	|	|	|	0.55
39.083	0.00	1.27	1.119	O	|	|	|	|	0.55
39.167	0.00	1.26	1.110	O	|	|	|	|	0.54
39.250	0.00	1.25	1.101	O	|	|	|	|	0.54
39.333	0.00	1.24	1.093	O	|	|	|	|	0.53
39.417	0.00	1.23	1.084	O	|	|	|	|	0.53
39.500	0.00	1.22	1.076	O	|	|	|	|	0.52
39.583	0.00	1.21	1.067	O	|	|	|	|	0.52
39.667	0.00	1.20	1.059	O	|	|	|	|	0.52

39.750	0.00	1.19	1.051	O	|	|	|	|	0.51
39.833	0.00	1.18	1.043	O	|	|	|	|	0.51
39.917	0.00	1.17	1.035	O	|	|	|	|	0.50
40.000	0.00	1.16	1.027	O	|	|	|	|	0.50
40.083	0.00	1.15	1.019	O	|	|	|	|	0.50
40.167	0.00	1.14	1.011	O	|	|	|	|	0.49
40.250	0.00	1.14	1.003	O	|	|	|	|	0.49
40.333	0.00	1.13	0.995	O	|	|	|	|	0.49
40.417	0.00	1.12	0.987	O	|	|	|	|	0.48
40.500	0.00	1.11	0.980	O	|	|	|	|	0.48
40.583	0.00	1.10	0.972	O	|	|	|	|	0.47
40.667	0.00	1.09	0.965	O	|	|	|	|	0.47
40.750	0.00	1.08	0.957	O	|	|	|	|	0.47
40.833	0.00	1.07	0.950	O	|	|	|	|	0.46
40.917	0.00	1.07	0.942	O	|	|	|	|	0.46
41.000	0.00	1.06	0.935	O	|	|	|	|	0.46
41.083	0.00	1.05	0.928	O	|	|	|	|	0.45
41.167	0.00	1.04	0.921	O	|	|	|	|	0.45
41.250	0.00	1.03	0.913	O	|	|	|	|	0.45
41.333	0.00	1.03	0.906	O	|	|	|	|	0.44
41.417	0.00	1.02	0.899	O	|	|	|	|	0.44
41.500	0.00	1.01	0.892	O	|	|	|	|	0.44
41.583	0.00	1.00	0.885	O	|	|	|	|	0.43
41.667	0.00	0.99	0.878	O	|	|	|	|	0.43
41.750	0.00	0.99	0.872	O	|	|	|	|	0.43
41.833	0.00	0.98	0.865	O	|	|	|	|	0.42
41.917	0.00	0.97	0.858	O	|	|	|	|	0.42
42.000	0.00	0.96	0.852	O	|	|	|	|	0.42
42.083	0.00	0.96	0.845	O	|	|	|	|	0.41
42.167	0.00	0.95	0.838	O	|	|	|	|	0.41
42.250	0.00	0.94	0.832	O	|	|	|	|	0.41
42.333	0.00	0.93	0.825	O	|	|	|	|	0.40
42.417	0.00	0.93	0.819	O	|	|	|	|	0.40
42.500	0.00	0.92	0.813	O	|	|	|	|	0.40
42.583	0.00	0.91	0.806	O	|	|	|	|	0.39
42.667	0.00	0.91	0.800	O	|	|	|	|	0.39
42.750	0.00	0.90	0.794	O	|	|	|	|	0.39
42.833	0.00	0.89	0.788	O	|	|	|	|	0.38
42.917	0.00	0.88	0.782	O	|	|	|	|	0.38
43.000	0.00	0.88	0.775	O	|	|	|	|	0.38
43.083	0.00	0.87	0.769	O	|	|	|	|	0.38
43.167	0.00	0.86	0.763	O	|	|	|	|	0.37
43.250	0.00	0.86	0.758	O	|	|	|	|	0.37
43.333	0.00	0.85	0.752	O	|	|	|	|	0.37
43.417	0.00	0.84	0.746	O	|	|	|	|	0.36
43.500	0.00	0.84	0.740	O	|	|	|	|	0.36
43.583	0.00	0.83	0.734	O	|	|	|	|	0.36
43.667	0.00	0.82	0.729	O	|	|	|	|	0.36
43.750	0.00	0.82	0.723	O	|	|	|	|	0.35
43.833	0.00	0.81	0.717	O	|	|	|	|	0.35
43.917	0.00	0.81	0.712	O	|	|	|	|	0.35
44.000	0.00	0.80	0.706	O	|	|	|	|	0.34
44.083	0.00	0.79	0.701	O	|	|	|	|	0.34
44.167	0.00	0.79	0.695	O	|	|	|	|	0.34
44.250	0.00	0.78	0.690	O	|	|	|	|	0.34
44.333	0.00	0.77	0.685	O	|	|	|	|	0.33
44.417	0.00	0.77	0.679	O	|	|	|	|	0.33
44.500	0.00	0.76	0.674	O	|	|	|	|	0.33
44.583	0.00	0.76	0.669	O	|	|	|	|	0.33
44.667	0.00	0.75	0.664	O	|	|	|	|	0.32
44.750	0.00	0.75	0.658	O	|	|	|	|	0.32
44.833	0.00	0.74	0.653	O	|	|	|	|	0.32
44.917	0.00	0.73	0.648	O	|	|	|	|	0.32
45.000	0.00	0.73	0.643	O	|	|	|	|	0.31
45.083	0.00	0.72	0.638	O	|	|	|	|	0.31
45.167	0.00	0.72	0.633	O	|	|	|	|	0.31
45.250	0.00	0.71	0.628	O	|	|	|	|	0.31
45.333	0.00	0.71	0.623	O	|	|	|	|	0.30

45.417	0.00	0.70	0.619	O	|	|	|	|	0.30
45.500	0.00	0.69	0.614	O	|	|	|	|	0.30
45.583	0.00	0.69	0.609	O	|	|	|	|	0.30
45.667	0.00	0.68	0.604	O	|	|	|	|	0.29
45.750	0.00	0.68	0.600	O	|	|	|	|	0.29
45.833	0.00	0.67	0.595	O	|	|	|	|	0.29
45.917	0.00	0.67	0.590	O	|	|	|	|	0.29
46.000	0.00	0.66	0.586	O	|	|	|	|	0.29
46.083	0.00	0.66	0.581	O	|	|	|	|	0.28
46.167	0.00	0.65	0.577	O	|	|	|	|	0.28
46.250	0.00	0.65	0.572	O	|	|	|	|	0.28
46.333	0.00	0.64	0.568	O	|	|	|	|	0.28
46.417	0.00	0.64	0.563	O	|	|	|	|	0.27
46.500	0.00	0.63	0.559	O	|	|	|	|	0.27
46.583	0.00	0.63	0.555	O	|	|	|	|	0.27
46.667	0.00	0.62	0.550	O	|	|	|	|	0.27
46.750	0.00	0.62	0.546	O	|	|	|	|	0.27
46.833	0.00	0.61	0.542	O	|	|	|	|	0.26
46.917	0.00	0.61	0.538	O	|	|	|	|	0.26
47.000	0.00	0.60	0.533	O	|	|	|	|	0.26
47.083	0.00	0.60	0.529	O	|	|	|	|	0.26
47.167	0.00	0.59	0.525	O	|	|	|	|	0.26
47.250	0.00	0.59	0.521	O	|	|	|	|	0.25
47.333	0.00	0.59	0.517	O	|	|	|	|	0.25
47.417	0.00	0.58	0.513	O	|	|	|	|	0.25
47.500	0.00	0.58	0.509	O	|	|	|	|	0.25
47.583	0.00	0.57	0.505	O	|	|	|	|	0.25
47.667	0.00	0.57	0.501	O	|	|	|	|	0.24
47.750	0.00	0.56	0.497	O	|	|	|	|	0.24
47.833	0.00	0.56	0.493	O	|	|	|	|	0.24
47.917	0.00	0.55	0.490	O	|	|	|	|	0.24
48.000	0.00	0.55	0.486	O	|	|	|	|	0.24
48.083	0.00	0.55	0.482	O	|	|	|	|	0.24
48.167	0.00	0.54	0.478	O	|	|	|	|	0.23
48.250	0.00	0.54	0.475	O	|	|	|	|	0.23
48.333	0.00	0.53	0.471	O	|	|	|	|	0.23
48.417	0.00	0.53	0.467	O	|	|	|	|	0.23
48.500	0.00	0.52	0.464	O	|	|	|	|	0.23
48.583	0.00	0.52	0.460	O	|	|	|	|	0.22
48.667	0.00	0.52	0.456	O	|	|	|	|	0.22
48.750	0.00	0.51	0.453	O	|	|	|	|	0.22
48.833	0.00	0.51	0.449	O	|	|	|	|	0.22
48.917	0.00	0.50	0.446	O	|	|	|	|	0.22
49.000	0.00	0.50	0.442	O	|	|	|	|	0.22
49.083	0.00	0.50	0.439	O	|	|	|	|	0.21
49.167	0.00	0.49	0.436	O	|	|	|	|	0.21
49.250	0.00	0.49	0.432	O	|	|	|	|	0.21
49.333	0.00	0.49	0.429	O	|	|	|	|	0.21
49.417	0.00	0.48	0.426	O	|	|	|	|	0.21
49.500	0.00	0.48	0.422	O	|	|	|	|	0.21
49.583	0.00	0.47	0.419	O	|	|	|	|	0.20
49.667	0.00	0.47	0.416	O	|	|	|	|	0.20
49.750	0.00	0.47	0.412	O	|	|	|	|	0.20
49.833	0.00	0.46	0.409	O	|	|	|	|	0.20
49.917	0.00	0.46	0.406	O	|	|	|	|	0.20
50.000	0.00	0.46	0.403	O	|	|	|	|	0.20
50.083	0.00	0.45	0.400	O	|	|	|	|	0.20
50.167	0.00	0.45	0.397	O	|	|	|	|	0.19
50.250	0.00	0.45	0.394	O	|	|	|	|	0.19
50.333	0.00	0.44	0.391	O	|	|	|	|	0.19
50.417	0.00	0.44	0.388	O	|	|	|	|	0.19
50.500	0.00	0.44	0.385	O	|	|	|	|	0.19
50.583	0.00	0.43	0.382	O	|	|	|	|	0.19
50.667	0.00	0.43	0.379	O	|	|	|	|	0.18
50.750	0.00	0.43	0.376	O	|	|	|	|	0.18
50.833	0.00	0.42	0.373	O	|	|	|	|	0.18
50.917	0.00	0.42	0.370	O	|	|	|	|	0.18
51.000	0.00	0.42	0.367	O	|	|	|	|	0.18

51.083	0.00	0.41	0.364	O	|	|	|	|	0.18
51.167	0.00	0.41	0.361	O	|	|	|	|	0.18
51.250	0.00	0.41	0.358	O	|	|	|	|	0.17
51.333	0.00	0.40	0.356	O	|	|	|	|	0.17
51.417	0.00	0.40	0.353	O	|	|	|	|	0.17
51.500	0.00	0.40	0.350	O	|	|	|	|	0.17
51.583	0.00	0.39	0.347	O	|	|	|	|	0.17
51.667	0.00	0.39	0.345	O	|	|	|	|	0.17
51.750	0.00	0.39	0.342	O	|	|	|	|	0.17
51.833	0.00	0.38	0.339	O	|	|	|	|	0.17
51.917	0.00	0.38	0.337	O	|	|	|	|	0.16
52.000	0.00	0.38	0.334	O	|	|	|	|	0.16
52.083	0.00	0.38	0.332	O	|	|	|	|	0.16
52.167	0.00	0.37	0.329	O	|	|	|	|	0.16
52.250	0.00	0.37	0.326	O	|	|	|	|	0.16
52.333	0.00	0.37	0.324	O	|	|	|	|	0.16
52.417	0.00	0.36	0.321	O	|	|	|	|	0.16
52.500	0.00	0.36	0.319	O	|	|	|	|	0.16
52.583	0.00	0.36	0.316	O	|	|	|	|	0.15
52.667	0.00	0.36	0.314	O	|	|	|	|	0.15
52.750	0.00	0.35	0.312	O	|	|	|	|	0.15
52.833	0.00	0.35	0.309	O	|	|	|	|	0.15
52.917	0.00	0.35	0.307	O	|	|	|	|	0.15
53.000	0.00	0.34	0.304	O	|	|	|	|	0.15
53.083	0.00	0.34	0.302	O	|	|	|	|	0.15
53.167	0.00	0.34	0.300	O	|	|	|	|	0.15
53.250	0.00	0.34	0.297	O	|	|	|	|	0.15
53.333	0.00	0.33	0.295	O	|	|	|	|	0.14
53.417	0.00	0.33	0.293	O	|	|	|	|	0.14
53.500	0.00	0.33	0.290	O	|	|	|	|	0.14
53.583	0.00	0.33	0.288	O	|	|	|	|	0.14
53.667	0.00	0.32	0.286	O	|	|	|	|	0.14
53.750	0.00	0.32	0.284	O	|	|	|	|	0.14
53.833	0.00	0.32	0.282	O	|	|	|	|	0.14
53.917	0.00	0.32	0.279	O	|	|	|	|	0.14
54.000	0.00	0.31	0.277	O	|	|	|	|	0.14
54.083	0.00	0.31	0.275	O	|	|	|	|	0.13
54.167	0.00	0.31	0.273	O	|	|	|	|	0.13
54.250	0.00	0.31	0.271	O	|	|	|	|	0.13
54.333	0.00	0.30	0.269	O	|	|	|	|	0.13
54.417	0.00	0.30	0.267	O	|	|	|	|	0.13
54.500	0.00	0.30	0.265	O	|	|	|	|	0.13
54.583	0.00	0.30	0.262	O	|	|	|	|	0.13
54.667	0.00	0.29	0.260	O	|	|	|	|	0.13
54.750	0.00	0.29	0.258	O	|	|	|	|	0.13
54.833	0.00	0.29	0.256	O	|	|	|	|	0.13
54.917	0.00	0.29	0.254	O	|	|	|	|	0.12
55.000	0.00	0.29	0.252	O	|	|	|	|	0.12
55.083	0.00	0.28	0.250	O	|	|	|	|	0.12
55.167	0.00	0.28	0.249	O	|	|	|	|	0.12
55.250	0.00	0.28	0.247	O	|	|	|	|	0.12
55.333	0.00	0.28	0.245	O	|	|	|	|	0.12
55.417	0.00	0.27	0.243	O	|	|	|	|	0.12
55.500	0.00	0.27	0.241	O	|	|	|	|	0.12
55.583	0.00	0.27	0.239	O	|	|	|	|	0.12
55.667	0.00	0.27	0.237	O	|	|	|	|	0.12
55.750	0.00	0.27	0.235	O	|	|	|	|	0.11
55.833	0.00	0.26	0.234	O	|	|	|	|	0.11
55.917	0.00	0.26	0.232	O	|	|	|	|	0.11
56.000	0.00	0.26	0.230	O	|	|	|	|	0.11
56.083	0.00	0.26	0.228	O	|	|	|	|	0.11
56.167	0.00	0.26	0.226	O	|	|	|	|	0.11
56.250	0.00	0.25	0.225	O	|	|	|	|	0.11
56.333	0.00	0.25	0.223	O	|	|	|	|	0.11
56.417	0.00	0.25	0.221	O	|	|	|	|	0.11
56.500	0.00	0.25	0.219	O	|	|	|	|	0.11
56.583	0.00	0.25	0.218	O	|	|	|	|	0.11
56.667	0.00	0.24	0.216	O	|	|	|	|	0.11

56.750	0.00	0.24	0.214	O	|	|	|	|	0.10
56.833	0.00	0.24	0.213	O	|	|	|	|	0.10
56.917	0.00	0.24	0.211	O	|	|	|	|	0.10
57.000	0.00	0.24	0.209	O	|	|	|	|	0.10
57.083	0.00	0.24	0.208	O	|	|	|	|	0.10
57.167	0.00	0.23	0.206	O	|	|	|	|	0.10
57.250	0.00	0.23	0.205	O	|	|	|	|	0.10
57.333	0.00	0.23	0.203	O	|	|	|	|	0.10
57.417	0.00	0.23	0.201	O	|	|	|	|	0.10
57.500	0.00	0.23	0.200	O	|	|	|	|	0.10
57.583	0.00	0.22	0.198	O	|	|	|	|	0.10
57.667	0.00	0.22	0.197	O	|	|	|	|	0.10
57.750	0.00	0.22	0.195	O	|	|	|	|	0.10
57.833	0.00	0.22	0.194	O	|	|	|	|	0.09
57.917	0.00	0.22	0.192	O	|	|	|	|	0.09
58.000	0.00	0.22	0.191	O	|	|	|	|	0.09
58.083	0.00	0.21	0.189	O	|	|	|	|	0.09
58.167	0.00	0.21	0.188	O	|	|	|	|	0.09
58.250	0.00	0.21	0.186	O	|	|	|	|	0.09
58.333	0.00	0.21	0.185	O	|	|	|	|	0.09
58.417	0.00	0.21	0.183	O	|	|	|	|	0.09
58.500	0.00	0.21	0.182	O	|	|	|	|	0.09
58.583	0.00	0.20	0.181	O	|	|	|	|	0.09
58.667	0.00	0.20	0.179	O	|	|	|	|	0.09
58.750	0.00	0.20	0.178	O	|	|	|	|	0.09
58.833	0.00	0.20	0.176	O	|	|	|	|	0.09
58.917	0.00	0.20	0.175	O	|	|	|	|	0.09
59.000	0.00	0.20	0.174	O	|	|	|	|	0.08
59.083	0.00	0.19	0.172	O	|	|	|	|	0.08
59.167	0.00	0.19	0.171	O	|	|	|	|	0.08
59.250	0.00	0.19	0.170	O	|	|	|	|	0.08
59.333	0.00	0.19	0.168	O	|	|	|	|	0.08
59.417	0.00	0.19	0.167	O	|	|	|	|	0.08
59.500	0.00	0.19	0.166	O	|	|	|	|	0.08
59.583	0.00	0.19	0.164	O	|	|	|	|	0.08
59.667	0.00	0.18	0.163	O	|	|	|	|	0.08
59.750	0.00	0.18	0.162	O	|	|	|	|	0.08
59.833	0.00	0.18	0.161	O	|	|	|	|	0.08
59.917	0.00	0.18	0.159	O	|	|	|	|	0.08
60.000	0.00	0.18	0.158	O	|	|	|	|	0.08
60.083	0.00	0.18	0.157	O	|	|	|	|	0.08
60.167	0.00	0.18	0.156	O	|	|	|	|	0.08
60.250	0.00	0.17	0.154	O	|	|	|	|	0.08
60.333	0.00	0.17	0.153	O	|	|	|	|	0.07
60.417	0.00	0.17	0.152	O	|	|	|	|	0.07
60.500	0.00	0.17	0.151	O	|	|	|	|	0.07
60.583	0.00	0.17	0.150	O	|	|	|	|	0.07
60.667	0.00	0.17	0.149	O	|	|	|	|	0.07
60.750	0.00	0.17	0.147	O	|	|	|	|	0.07
60.833	0.00	0.17	0.146	O	|	|	|	|	0.07
60.917	0.00	0.16	0.145	O	|	|	|	|	0.07
61.000	0.00	0.16	0.144	O	|	|	|	|	0.07
61.083	0.00	0.16	0.143	O	|	|	|	|	0.07
61.167	0.00	0.16	0.142	O	|	|	|	|	0.07
61.250	0.00	0.16	0.141	O	|	|	|	|	0.07
61.333	0.00	0.16	0.140	O	|	|	|	|	0.07
61.417	0.00	0.16	0.139	O	|	|	|	|	0.07
61.500	0.00	0.16	0.137	O	|	|	|	|	0.07
61.583	0.00	0.15	0.136	O	|	|	|	|	0.07
61.667	0.00	0.15	0.135	O	|	|	|	|	0.07
61.750	0.00	0.15	0.134	O	|	|	|	|	0.07
61.833	0.00	0.15	0.133	O	|	|	|	|	0.06
61.917	0.00	0.15	0.132	O	|	|	|	|	0.06
62.000	0.00	0.15	0.131	O	|	|	|	|	0.06
62.083	0.00	0.15	0.130	O	|	|	|	|	0.06
62.167	0.00	0.15	0.129	O	|	|	|	|	0.06
62.250	0.00	0.15	0.128	O	|	|	|	|	0.06
62.333	0.00	0.14	0.127	O	|	|	|	|	0.06

62.417	0.00	0.14	0.126	O	|	|	|	|	0.06
62.500	0.00	0.14	0.125	O	|	|	|	|	0.06
62.583	0.00	0.14	0.124	O	|	|	|	|	0.06
62.667	0.00	0.14	0.123	O	|	|	|	|	0.06
62.750	0.00	0.14	0.122	O	|	|	|	|	0.06
62.833	0.00	0.14	0.121	O	|	|	|	|	0.06
62.917	0.00	0.14	0.120	O	|	|	|	|	0.06
63.000	0.00	0.14	0.119	O	|	|	|	|	0.06
63.083	0.00	0.13	0.119	O	|	|	|	|	0.06
63.167	0.00	0.13	0.118	O	|	|	|	|	0.06
63.250	0.00	0.13	0.117	O	|	|	|	|	0.06
63.333	0.00	0.13	0.116	O	|	|	|	|	0.06
63.417	0.00	0.13	0.115	O	|	|	|	|	0.06
63.500	0.00	0.13	0.114	O	|	|	|	|	0.06
63.583	0.00	0.13	0.113	O	|	|	|	|	0.06
63.667	0.00	0.13	0.112	O	|	|	|	|	0.05
63.750	0.00	0.13	0.111	O	|	|	|	|	0.05
63.833	0.00	0.13	0.110	O	|	|	|	|	0.05
63.917	0.00	0.12	0.110	O	|	|	|	|	0.05
64.000	0.00	0.12	0.109	O	|	|	|	|	0.05
64.083	0.00	0.12	0.108	O	|	|	|	|	0.05
64.167	0.00	0.12	0.107	O	|	|	|	|	0.05
64.250	0.00	0.12	0.106	O	|	|	|	|	0.05
64.333	0.00	0.12	0.105	O	|	|	|	|	0.05
64.417	0.00	0.12	0.105	O	|	|	|	|	0.05
64.500	0.00	0.12	0.104	O	|	|	|	|	0.05
64.583	0.00	0.12	0.103	O	|	|	|	|	0.05
64.667	0.00	0.12	0.102	O	|	|	|	|	0.05
64.750	0.00	0.11	0.101	O	|	|	|	|	0.05
64.833	0.00	0.11	0.101	O	|	|	|	|	0.05
64.917	0.00	0.11	0.100	O	|	|	|	|	0.05
65.000	0.00	0.11	0.099	O	|	|	|	|	0.05
65.083	0.00	0.11	0.098	O	|	|	|	|	0.05
65.167	0.00	0.11	0.098	O	|	|	|	|	0.05
65.250	0.00	0.11	0.097	O	|	|	|	|	0.05
65.333	0.00	0.11	0.096	O	|	|	|	|	0.05
65.417	0.00	0.11	0.095	O	|	|	|	|	0.05
65.500	0.00	0.11	0.095	O	|	|	|	|	0.05
65.583	0.00	0.11	0.094	O	|	|	|	|	0.05
65.667	0.00	0.11	0.093	O	|	|	|	|	0.05
65.750	0.00	0.10	0.092	O	|	|	|	|	0.05
65.833	0.00	0.10	0.092	O	|	|	|	|	0.04
65.917	0.00	0.10	0.091	O	|	|	|	|	0.04
66.000	0.00	0.10	0.090	O	|	|	|	|	0.04
66.083	0.00	0.10	0.090	O	|	|	|	|	0.04
66.167	0.00	0.10	0.089	O	|	|	|	|	0.04
66.250	0.00	0.10	0.088	O	|	|	|	|	0.04
66.333	0.00	0.10	0.087	O	|	|	|	|	0.04
66.417	0.00	0.10	0.087	O	|	|	|	|	0.04
66.500	0.00	0.10	0.086	O	|	|	|	|	0.04
66.583	0.00	0.10	0.085	O	|	|	|	|	0.04
66.667	0.00	0.10	0.085	O	|	|	|	|	0.04
66.750	0.00	0.10	0.084	O	|	|	|	|	0.04
66.833	0.00	0.09	0.083	O	|	|	|	|	0.04
66.917	0.00	0.09	0.083	O	|	|	|	|	0.04
67.000	0.00	0.09	0.082	O	|	|	|	|	0.04
67.083	0.00	0.09	0.082	O	|	|	|	|	0.04
67.167	0.00	0.09	0.081	O	|	|	|	|	0.04
67.250	0.00	0.09	0.080	O	|	|	|	|	0.04
67.333	0.00	0.09	0.080	O	|	|	|	|	0.04
67.417	0.00	0.09	0.079	O	|	|	|	|	0.04
67.500	0.00	0.09	0.078	O	|	|	|	|	0.04
67.583	0.00	0.09	0.078	O	|	|	|	|	0.04
67.667	0.00	0.09	0.077	O	|	|	|	|	0.04
67.750	0.00	0.09	0.077	O	|	|	|	|	0.04
67.833	0.00	0.09	0.076	O	|	|	|	|	0.04
67.917	0.00	0.09	0.075	O	|	|	|	|	0.04
68.000	0.00	0.08	0.075	O	|	|	|	|	0.04

68.083	0.00	0.08	0.074	O	|	|	|	|	0.04
68.167	0.00	0.08	0.074	O	|	|	|	|	0.04
68.250	0.00	0.08	0.073	O	|	|	|	|	0.04
68.333	0.00	0.08	0.073	O	|	|	|	|	0.04
68.417	0.00	0.08	0.072	O	|	|	|	|	0.04
68.500	0.00	0.08	0.071	O	|	|	|	|	0.03
68.583	0.00	0.08	0.071	O	|	|	|	|	0.03
68.667	0.00	0.08	0.070	O	|	|	|	|	0.03
68.750	0.00	0.08	0.070	O	|	|	|	|	0.03
68.833	0.00	0.08	0.069	O	|	|	|	|	0.03
68.917	0.00	0.08	0.069	O	|	|	|	|	0.03
69.000	0.00	0.08	0.068	O	|	|	|	|	0.03
69.083	0.00	0.08	0.068	O	|	|	|	|	0.03
69.167	0.00	0.08	0.067	O	|	|	|	|	0.03
69.250	0.00	0.08	0.067	O	|	|	|	|	0.03
69.333	0.00	0.07	0.066	O	|	|	|	|	0.03
69.417	0.00	0.07	0.066	O	|	|	|	|	0.03
69.500	0.00	0.07	0.065	O	|	|	|	|	0.03
69.583	0.00	0.07	0.065	O	|	|	|	|	0.03
69.667	0.00	0.07	0.064	O	|	|	|	|	0.03
69.750	0.00	0.07	0.064	O	|	|	|	|	0.03
69.833	0.00	0.07	0.063	O	|	|	|	|	0.03
69.917	0.00	0.07	0.063	O	|	|	|	|	0.03
70.000	0.00	0.07	0.062	O	|	|	|	|	0.03
70.083	0.00	0.07	0.062	O	|	|	|	|	0.03
70.167	0.00	0.07	0.061	O	|	|	|	|	0.03
70.250	0.00	0.07	0.061	O	|	|	|	|	0.03
70.333	0.00	0.07	0.060	O	|	|	|	|	0.03
70.417	0.00	0.07	0.060	O	|	|	|	|	0.03
70.500	0.00	0.07	0.059	O	|	|	|	|	0.03
70.583	0.00	0.07	0.059	O	|	|	|	|	0.03
70.667	0.00	0.07	0.058	O	|	|	|	|	0.03
70.750	0.00	0.07	0.058	O	|	|	|	|	0.03
70.833	0.00	0.06	0.057	O	|	|	|	|	0.03
70.917	0.00	0.06	0.057	O	|	|	|	|	0.03
71.000	0.00	0.06	0.057	O	|	|	|	|	0.03
71.083	0.00	0.06	0.056	O	|	|	|	|	0.03
71.167	0.00	0.06	0.056	O	|	|	|	|	0.03
71.250	0.00	0.06	0.055	O	|	|	|	|	0.03
71.333	0.00	0.06	0.055	O	|	|	|	|	0.03
71.417	0.00	0.06	0.054	O	|	|	|	|	0.03
71.500	0.00	0.06	0.054	O	|	|	|	|	0.03
71.583	0.00	0.06	0.054	O	|	|	|	|	0.03
71.667	0.00	0.06	0.053	O	|	|	|	|	0.03
71.750	0.00	0.06	0.053	O	|	|	|	|	0.03
71.833	0.00	0.06	0.052	O	|	|	|	|	0.03
71.917	0.00	0.06	0.052	O	|	|	|	|	0.03
72.000	0.00	0.06	0.051	O	|	|	|	|	0.03
72.083	0.00	0.06	0.051	O	|	|	|	|	0.02
72.167	0.00	0.06	0.051	O	|	|	|	|	0.02
72.250	0.00	0.06	0.050	O	|	|	|	|	0.02
72.333	0.00	0.06	0.050	O	|	|	|	|	0.02
72.417	0.00	0.06	0.050	O	|	|	|	|	0.02
72.500	0.00	0.06	0.049	O	|	|	|	|	0.02
72.583	0.00	0.06	0.049	O	|	|	|	|	0.02
72.667	0.00	0.05	0.048	O	|	|	|	|	0.02
72.750	0.00	0.05	0.048	O	|	|	|	|	0.02
72.833	0.00	0.05	0.048	O	|	|	|	|	0.02
72.917	0.00	0.05	0.047	O	|	|	|	|	0.02
73.000	0.00	0.05	0.047	O	|	|	|	|	0.02
73.083	0.00	0.05	0.047	O	|	|	|	|	0.02
73.167	0.00	0.05	0.046	O	|	|	|	|	0.02
73.250	0.00	0.05	0.046	O	|	|	|	|	0.02
73.333	0.00	0.05	0.045	O	|	|	|	|	0.02
73.417	0.00	0.05	0.045	O	|	|	|	|	0.02
73.500	0.00	0.05	0.045	O	|	|	|	|	0.02
73.583	0.00	0.05	0.044	O	|	|	|	|	0.02
73.667	0.00	0.05	0.044	O	|	|	|	|	0.02

73.750	0.00	0.05	0.044	O	|	|	|	|	0.02
73.833	0.00	0.05	0.043	O	|	|	|	|	0.02
73.917	0.00	0.05	0.043	O	|	|	|	|	0.02
74.000	0.00	0.05	0.043	O	|	|	|	|	0.02
74.083	0.00	0.05	0.042	O	|	|	|	|	0.02
74.167	0.00	0.05	0.042	O	|	|	|	|	0.02
74.250	0.00	0.05	0.042	O	|	|	|	|	0.02
74.333	0.00	0.05	0.041	O	|	|	|	|	0.02
74.417	0.00	0.05	0.041	O	|	|	|	|	0.02
74.500	0.00	0.05	0.041	O	|	|	|	|	0.02
74.583	0.00	0.05	0.040	O	|	|	|	|	0.02
74.667	0.00	0.05	0.040	O	|	|	|	|	0.02
74.750	0.00	0.05	0.040	O	|	|	|	|	0.02
74.833	0.00	0.04	0.039	O	|	|	|	|	0.02
74.917	0.00	0.04	0.039	O	|	|	|	|	0.02
75.000	0.00	0.04	0.039	O	|	|	|	|	0.02
75.083	0.00	0.04	0.039	O	|	|	|	|	0.02
75.167	0.00	0.04	0.038	O	|	|	|	|	0.02
75.250	0.00	0.04	0.038	O	|	|	|	|	0.02
75.333	0.00	0.04	0.038	O	|	|	|	|	0.02
75.417	0.00	0.04	0.037	O	|	|	|	|	0.02
75.500	0.00	0.04	0.037	O	|	|	|	|	0.02
75.583	0.00	0.04	0.037	O	|	|	|	|	0.02
75.667	0.00	0.04	0.037	O	|	|	|	|	0.02
75.750	0.00	0.04	0.036	O	|	|	|	|	0.02
75.833	0.00	0.04	0.036	O	|	|	|	|	0.02
75.917	0.00	0.04	0.036	O	|	|	|	|	0.02
76.000	0.00	0.04	0.035	O	|	|	|	|	0.02
76.083	0.00	0.04	0.035	O	|	|	|	|	0.02
76.167	0.00	0.04	0.035	O	|	|	|	|	0.02
76.250	0.00	0.04	0.035	O	|	|	|	|	0.02
76.333	0.00	0.04	0.034	O	|	|	|	|	0.02
76.417	0.00	0.04	0.034	O	|	|	|	|	0.02
76.500	0.00	0.04	0.034	O	|	|	|	|	0.02
76.583	0.00	0.04	0.034	O	|	|	|	|	0.02
76.667	0.00	0.04	0.033	O	|	|	|	|	0.02
76.750	0.00	0.04	0.033	O	|	|	|	|	0.02
76.833	0.00	0.04	0.033	O	|	|	|	|	0.02
76.917	0.00	0.04	0.033	O	|	|	|	|	0.02
77.000	0.00	0.04	0.032	O	|	|	|	|	0.02
77.083	0.00	0.04	0.032	O	|	|	|	|	0.02
77.167	0.00	0.04	0.032	O	|	|	|	|	0.02
77.250	0.00	0.04	0.032	O	|	|	|	|	0.02
77.333	0.00	0.04	0.031	O	|	|	|	|	0.02
77.417	0.00	0.04	0.031	O	|	|	|	|	0.02
77.500	0.00	0.03	0.031	O	|	|	|	|	0.02
77.583	0.00	0.03	0.031	O	|	|	|	|	0.01
77.667	0.00	0.03	0.030	O	|	|	|	|	0.01
77.750	0.00	0.03	0.030	O	|	|	|	|	0.01
77.833	0.00	0.03	0.030	O	|	|	|	|	0.01
77.917	0.00	0.03	0.030	O	|	|	|	|	0.01
78.000	0.00	0.03	0.029	O	|	|	|	|	0.01
78.083	0.00	0.03	0.029	O	|	|	|	|	0.01
78.167	0.00	0.03	0.029	O	|	|	|	|	0.01
78.250	0.00	0.03	0.029	O	|	|	|	|	0.01
78.333	0.00	0.03	0.028	O	|	|	|	|	0.01
78.417	0.00	0.03	0.028	O	|	|	|	|	0.01
78.500	0.00	0.03	0.028	O	|	|	|	|	0.01
78.583	0.00	0.03	0.028	O	|	|	|	|	0.01
78.667	0.00	0.03	0.028	O	|	|	|	|	0.01
78.750	0.00	0.03	0.027	O	|	|	|	|	0.01
78.833	0.00	0.03	0.027	O	|	|	|	|	0.01
78.917	0.00	0.03	0.027	O	|	|	|	|	0.01
79.000	0.00	0.03	0.027	O	|	|	|	|	0.01
79.083	0.00	0.03	0.027	O	|	|	|	|	0.01
79.167	0.00	0.03	0.026	O	|	|	|	|	0.01
79.250	0.00	0.03	0.026	O	|	|	|	|	0.01
79.333	0.00	0.03	0.026	O	|	|	|	|	0.01

79.417	0.00	0.03	0.026	O	|	|	|	|	0.01
79.500	0.00	0.03	0.026	O	|	|	|	|	0.01
79.583	0.00	0.03	0.025	O	|	|	|	|	0.01
79.667	0.00	0.03	0.025	O	|	|	|	|	0.01
79.750	0.00	0.03	0.025	O	|	|	|	|	0.01
79.833	0.00	0.03	0.025	O	|	|	|	|	0.01
79.917	0.00	0.03	0.025	O	|	|	|	|	0.01
80.000	0.00	0.03	0.024	O	|	|	|	|	0.01
80.083	0.00	0.03	0.024	O	|	|	|	|	0.01
80.167	0.00	0.03	0.024	O	|	|	|	|	0.01
80.250	0.00	0.03	0.024	O	|	|	|	|	0.01
80.333	0.00	0.03	0.024	O	|	|	|	|	0.01
80.417	0.00	0.03	0.023	O	|	|	|	|	0.01
80.500	0.00	0.03	0.023	O	|	|	|	|	0.01
80.583	0.00	0.03	0.023	O	|	|	|	|	0.01
80.667	0.00	0.03	0.023	O	|	|	|	|	0.01
80.750	0.00	0.03	0.023	O	|	|	|	|	0.01
80.833	0.00	0.03	0.023	O	|	|	|	|	0.01
80.917	0.00	0.03	0.022	O	|	|	|	|	0.01
81.000	0.00	0.03	0.022	O	|	|	|	|	0.01
81.083	0.00	0.02	0.022	O	|	|	|	|	0.01
81.167	0.00	0.02	0.022	O	|	|	|	|	0.01
81.250	0.00	0.02	0.022	O	|	|	|	|	0.01
81.333	0.00	0.02	0.022	O	|	|	|	|	0.01
81.417	0.00	0.02	0.021	O	|	|	|	|	0.01
81.500	0.00	0.02	0.021	O	|	|	|	|	0.01
81.583	0.00	0.02	0.021	O	|	|	|	|	0.01
81.667	0.00	0.02	0.021	O	|	|	|	|	0.01
81.750	0.00	0.02	0.021	O	|	|	|	|	0.01
81.833	0.00	0.02	0.021	O	|	|	|	|	0.01
81.917	0.00	0.02	0.020	O	|	|	|	|	0.01
82.000	0.00	0.02	0.020	O	|	|	|	|	0.01
82.083	0.00	0.02	0.020	O	|	|	|	|	0.01
82.167	0.00	0.02	0.020	O	|	|	|	|	0.01
82.250	0.00	0.02	0.020	O	|	|	|	|	0.01
82.333	0.00	0.02	0.020	O	|	|	|	|	0.01
82.417	0.00	0.02	0.019	O	|	|	|	|	0.01
82.500	0.00	0.02	0.019	O	|	|	|	|	0.01
82.583	0.00	0.02	0.019	O	|	|	|	|	0.01
82.667	0.00	0.02	0.019	O	|	|	|	|	0.01
82.750	0.00	0.02	0.019	O	|	|	|	|	0.01
82.833	0.00	0.02	0.019	O	|	|	|	|	0.01
82.917	0.00	0.02	0.019	O	|	|	|	|	0.01
83.000	0.00	0.02	0.018	O	|	|	|	|	0.01
83.083	0.00	0.02	0.018	O	|	|	|	|	0.01
83.167	0.00	0.02	0.018	O	|	|	|	|	0.01
83.250	0.00	0.02	0.018	O	|	|	|	|	0.01
83.333	0.00	0.02	0.018	O	|	|	|	|	0.01
83.417	0.00	0.02	0.018	O	|	|	|	|	0.01
83.500	0.00	0.02	0.018	O	|	|	|	|	0.01
83.583	0.00	0.02	0.017	O	|	|	|	|	0.01
83.667	0.00	0.02	0.017	O	|	|	|	|	0.01
83.750	0.00	0.02	0.017	O	|	|	|	|	0.01
83.833	0.00	0.02	0.017	O	|	|	|	|	0.01
83.917	0.00	0.02	0.017	O	|	|	|	|	0.01
84.000	0.00	0.02	0.017	O	|	|	|	|	0.01
84.083	0.00	0.02	0.017	O	|	|	|	|	0.01
84.167	0.00	0.02	0.016	O	|	|	|	|	0.01
84.250	0.00	0.02	0.016	O	|	|	|	|	0.01
84.333	0.00	0.02	0.016	O	|	|	|	|	0.01
84.417	0.00	0.02	0.016	O	|	|	|	|	0.01
84.500	0.00	0.02	0.016	O	|	|	|	|	0.01
84.583	0.00	0.02	0.016	O	|	|	|	|	0.01
84.667	0.00	0.02	0.016	O	|	|	|	|	0.01
84.750	0.00	0.02	0.016	O	|	|	|	|	0.01
84.833	0.00	0.02	0.015	O	|	|	|	|	0.01
84.917	0.00	0.02	0.015	O	|	|	|	|	0.01
85.000	0.00	0.02	0.015	O	|	|	|	|	0.01

85.083	0.00	0.02	0.015	O	|	|	|	|	0.01
85.167	0.00	0.02	0.015	O	|	|	|	|	0.01
85.250	0.00	0.02	0.015	O	|	|	|	|	0.01
85.333	0.00	0.02	0.015	O	|	|	|	|	0.01
85.417	0.00	0.02	0.015	O	|	|	|	|	0.01
85.500	0.00	0.02	0.015	O	|	|	|	|	0.01
85.583	0.00	0.02	0.014	O	|	|	|	|	0.01
85.667	0.00	0.02	0.014	O	|	|	|	|	0.01
85.750	0.00	0.02	0.014	O	|	|	|	|	0.01
85.833	0.00	0.02	0.014	O	|	|	|	|	0.01
85.917	0.00	0.02	0.014	O	|	|	|	|	0.01
86.000	0.00	0.02	0.014	O	|	|	|	|	0.01
86.083	0.00	0.02	0.014	O	|	|	|	|	0.01
86.167	0.00	0.02	0.014	O	|	|	|	|	0.01
86.250	0.00	0.02	0.014	O	|	|	|	|	0.01
86.333	0.00	0.02	0.013	O	|	|	|	|	0.01
86.417	0.00	0.02	0.013	O	|	|	|	|	0.01
86.500	0.00	0.02	0.013	O	|	|	|	|	0.01
86.583	0.00	0.01	0.013	O	|	|	|	|	0.01
86.667	0.00	0.01	0.013	O	|	|	|	|	0.01
86.750	0.00	0.01	0.013	O	|	|	|	|	0.01
86.833	0.00	0.01	0.013	O	|	|	|	|	0.01
86.917	0.00	0.01	0.013	O	|	|	|	|	0.01
87.000	0.00	0.01	0.013	O	|	|	|	|	0.01
87.083	0.00	0.01	0.013	O	|	|	|	|	0.01
87.167	0.00	0.01	0.012	O	|	|	|	|	0.01
87.250	0.00	0.01	0.012	O	|	|	|	|	0.01
87.333	0.00	0.01	0.012	O	|	|	|	|	0.01
87.417	0.00	0.01	0.012	O	|	|	|	|	0.01
87.500	0.00	0.01	0.012	O	|	|	|	|	0.01
87.583	0.00	0.01	0.012	O	|	|	|	|	0.01
87.667	0.00	0.01	0.012	O	|	|	|	|	0.01
87.750	0.00	0.01	0.012	O	|	|	|	|	0.01
87.833	0.00	0.01	0.012	O	|	|	|	|	0.01
87.917	0.00	0.01	0.012	O	|	|	|	|	0.01
88.000	0.00	0.01	0.012	O	|	|	|	|	0.01
88.083	0.00	0.01	0.011	O	|	|	|	|	0.01
88.167	0.00	0.01	0.011	O	|	|	|	|	0.01
88.250	0.00	0.01	0.011	O	|	|	|	|	0.01
88.333	0.00	0.01	0.011	O	|	|	|	|	0.01
88.417	0.00	0.01	0.011	O	|	|	|	|	0.01
88.500	0.00	0.01	0.011	O	|	|	|	|	0.01
88.583	0.00	0.01	0.011	O	|	|	|	|	0.01
88.667	0.00	0.01	0.011	O	|	|	|	|	0.01
88.750	0.00	0.01	0.011	O	|	|	|	|	0.01
88.833	0.00	0.01	0.011	O	|	|	|	|	0.01
88.917	0.00	0.01	0.011	O	|	|	|	|	0.01
89.000	0.00	0.01	0.010	O	|	|	|	|	0.01
89.083	0.00	0.01	0.010	O	|	|	|	|	0.01
89.167	0.00	0.01	0.010	O	|	|	|	|	0.01
89.250	0.00	0.01	0.010	O	|	|	|	|	0.01
89.333	0.00	0.01	0.010	O	|	|	|	|	0.00
89.417	0.00	0.01	0.010	O	|	|	|	|	0.00
89.500	0.00	0.01	0.010	O	|	|	|	|	0.00
89.583	0.00	0.01	0.010	O	|	|	|	|	0.00
89.667	0.00	0.01	0.010	O	|	|	|	|	0.00
89.750	0.00	0.01	0.010	O	|	|	|	|	0.00
89.833	0.00	0.01	0.010	O	|	|	|	|	0.00
89.917	0.00	0.01	0.010	O	|	|	|	|	0.00
90.000	0.00	0.01	0.010	O	|	|	|	|	0.00
90.083	0.00	0.01	0.009	O	|	|	|	|	0.00
90.167	0.00	0.01	0.009	O	|	|	|	|	0.00
90.250	0.00	0.01	0.009	O	|	|	|	|	0.00
90.333	0.00	0.01	0.009	O	|	|	|	|	0.00
90.417	0.00	0.01	0.009	O	|	|	|	|	0.00
90.500	0.00	0.01	0.009	O	|	|	|	|	0.00
90.583	0.00	0.01	0.009	O	|	|	|	|	0.00
90.667	0.00	0.01	0.009	O	|	|	|	|	0.00

90.750	0.00	0.01	0.009	O	|	|	|	|	0.00
90.833	0.00	0.01	0.009	O	|	|	|	|	0.00
90.917	0.00	0.01	0.009	O	|	|	|	|	0.00
91.000	0.00	0.01	0.009	O	|	|	|	|	0.00
91.083	0.00	0.01	0.009	O	|	|	|	|	0.00
91.167	0.00	0.01	0.009	O	|	|	|	|	0.00
91.250	0.00	0.01	0.009	O	|	|	|	|	0.00
91.333	0.00	0.01	0.008	O	|	|	|	|	0.00
91.417	0.00	0.01	0.008	O	|	|	|	|	0.00
91.500	0.00	0.01	0.008	O	|	|	|	|	0.00
91.583	0.00	0.01	0.008	O	|	|	|	|	0.00
91.667	0.00	0.01	0.008	O	|	|	|	|	0.00
91.750	0.00	0.01	0.008	O	|	|	|	|	0.00
91.833	0.00	0.01	0.008	O	|	|	|	|	0.00
91.917	0.00	0.01	0.008	O	|	|	|	|	0.00
92.000	0.00	0.01	0.008	O	|	|	|	|	0.00
92.083	0.00	0.01	0.008	O	|	|	|	|	0.00
92.167	0.00	0.01	0.008	O	|	|	|	|	0.00
92.250	0.00	0.01	0.008	O	|	|	|	|	0.00
92.333	0.00	0.01	0.008	O	|	|	|	|	0.00
92.417	0.00	0.01	0.008	O	|	|	|	|	0.00
92.500	0.00	0.01	0.008	O	|	|	|	|	0.00
92.583	0.00	0.01	0.008	O	|	|	|	|	0.00
92.667	0.00	0.01	0.007	O	|	|	|	|	0.00
92.750	0.00	0.01	0.007	O	|	|	|	|	0.00
92.833	0.00	0.01	0.007	O	|	|	|	|	0.00
92.917	0.00	0.01	0.007	O	|	|	|	|	0.00
93.000	0.00	0.01	0.007	O	|	|	|	|	0.00
93.083	0.00	0.01	0.007	O	|	|	|	|	0.00
93.167	0.00	0.01	0.007	O	|	|	|	|	0.00
93.250	0.00	0.01	0.007	O	|	|	|	|	0.00
93.333	0.00	0.01	0.007	O	|	|	|	|	0.00
93.417	0.00	0.01	0.007	O	|	|	|	|	0.00
93.500	0.00	0.01	0.007	O	|	|	|	|	0.00
93.583	0.00	0.01	0.007	O	|	|	|	|	0.00
93.667	0.00	0.01	0.007	O	|	|	|	|	0.00
93.750	0.00	0.01	0.007	O	|	|	|	|	0.00
93.833	0.00	0.01	0.007	O	|	|	|	|	0.00
93.917	0.00	0.01	0.007	O	|	|	|	|	0.00
94.000	0.00	0.01	0.007	O	|	|	|	|	0.00
94.083	0.00	0.01	0.007	O	|	|	|	|	0.00
94.167	0.00	0.01	0.006	O	|	|	|	|	0.00
94.250	0.00	0.01	0.006	O	|	|	|	|	0.00
94.333	0.00	0.01	0.006	O	|	|	|	|	0.00
94.417	0.00	0.01	0.006	O	|	|	|	|	0.00
94.500	0.00	0.01	0.006	O	|	|	|	|	0.00
94.583	0.00	0.01	0.006	O	|	|	|	|	0.00
94.667	0.00	0.01	0.006	O	|	|	|	|	0.00
94.750	0.00	0.01	0.006	O	|	|	|	|	0.00
94.833	0.00	0.01	0.006	O	|	|	|	|	0.00
94.917	0.00	0.01	0.006	O	|	|	|	|	0.00
95.000	0.00	0.01	0.006	O	|	|	|	|	0.00
95.083	0.00	0.01	0.006	O	|	|	|	|	0.00
95.167	0.00	0.01	0.006	O	|	|	|	|	0.00
95.250	0.00	0.01	0.006	O	|	|	|	|	0.00
95.333	0.00	0.01	0.006	O	|	|	|	|	0.00
95.417	0.00	0.01	0.006	O	|	|	|	|	0.00
95.500	0.00	0.01	0.006	O	|	|	|	|	0.00
95.583	0.00	0.01	0.006	O	|	|	|	|	0.00
95.667	0.00	0.01	0.006	O	|	|	|	|	0.00
95.750	0.00	0.01	0.006	O	|	|	|	|	0.00
95.833	0.00	0.01	0.006	O	|	|	|	|	0.00
95.917	0.00	0.01	0.005	O	|	|	|	|	0.00
96.000	0.00	0.01	0.005	O	|	|	|	|	0.00
96.083	0.00	0.01	0.005	O	|	|	|	|	0.00
96.167	0.00	0.01	0.005	O	|	|	|	|	0.00
96.250	0.00	0.01	0.005	O	|	|	|	|	0.00
96.333	0.00	0.01	0.005	O	|	|	|	|	0.00

96.417	0.00	0.01	0.005	O					0.00
96.500	0.00	0.01	0.005	O					0.00
96.583	0.00	0.01	0.005	O					0.00
96.667	0.00	0.01	0.005	O					0.00
96.750	0.00	0.01	0.005	O					0.00
96.833	0.00	0.01	0.005	O					0.00
96.917	0.00	0.01	0.005	O					0.00
97.000	0.00	0.01	0.005	O					0.00
97.083	0.00	0.01	0.005	O					0.00
97.167	0.00	0.01	0.005	O					0.00
97.250	0.00	0.01	0.005	O					0.00
97.333	0.00	0.01	0.005	O					0.00
97.417	0.00	0.01	0.005	O					0.00
97.500	0.00	0.01	0.005	O					0.00
97.583	0.00	0.01	0.005	O					0.00
97.667	0.00	0.01	0.005	O					0.00
97.750	0.00	0.01	0.005	O					0.00
97.833	0.00	0.01	0.005	O					0.00
97.917	0.00	0.01	0.005	O					0.00
98.000	0.00	0.01	0.005	O					0.00
98.083	0.00	0.01	0.004	O					0.00
98.167	0.00	0.01	0.004	O					0.00
98.250	0.00	0.01	0.004	O					0.00
98.333	0.00	0.00	0.004	O					0.00
98.417	0.00	0.00	0.004	O					0.00
98.500	0.00	0.00	0.004	O					0.00
98.583	0.00	0.00	0.004	O					0.00
98.667	0.00	0.00	0.004	O					0.00
98.750	0.00	0.00	0.004	O					0.00
98.833	0.00	0.00	0.004	O					0.00
98.917	0.00	0.00	0.004	O					0.00
99.000	0.00	0.00	0.004	O					0.00
99.083	0.00	0.00	0.004	O					0.00
99.167	0.00	0.00	0.004	O					0.00
99.250	0.00	0.00	0.004	O					0.00
99.333	0.00	0.00	0.004	O					0.00
99.417	0.00	0.00	0.004	O					0.00
99.500	0.00	0.00	0.004	O					0.00
99.583	0.00	0.00	0.004	O					0.00
99.667	0.00	0.00	0.004	O					0.00
99.750	0.00	0.00	0.004	O					0.00
99.833	0.00	0.00	0.004	O					0.00
99.917	0.00	0.00	0.004	O					0.00
100.000	0.00	0.00	0.004	O					0.00
100.083	0.00	0.00	0.004	O					0.00
100.167	0.00	0.00	0.004	O					0.00
100.250	0.00	0.00	0.004	O					0.00
100.333	0.00	0.00	0.004	O					0.00
100.417	0.00	0.00	0.004	O					0.00
100.500	0.00	0.00	0.004	O					0.00
100.583	0.00	0.00	0.004	O					0.00
100.667	0.00	0.00	0.004	O					0.00
100.750	0.00	0.00	0.003	O					0.00
100.833	0.00	0.00	0.003	O					0.00
100.917	0.00	0.00	0.003	O					0.00
101.000	0.00	0.00	0.003	O					0.00
101.083	0.00	0.00	0.003	O					0.00
101.167	0.00	0.00	0.003	O					0.00
101.250	0.00	0.00	0.003	O					0.00
101.333	0.00	0.00	0.003	O					0.00
101.417	0.00	0.00	0.003	O					0.00
101.500	0.00	0.00	0.003	O					0.00
101.583	0.00	0.00	0.003	O					0.00
101.667	0.00	0.00	0.003	O					0.00
101.750	0.00	0.00	0.003	O					0.00
101.833	0.00	0.00	0.003	O					0.00
101.917	0.00	0.00	0.003	O					0.00
102.000	0.00	0.00	0.003	O					0.00

102.083	0.00	0.00	0.003	O	|	|	|	|	0.00
102.167	0.00	0.00	0.003	O	|	|	|	|	0.00
102.250	0.00	0.00	0.003	O	|	|	|	|	0.00
102.333	0.00	0.00	0.003	O	|	|	|	|	0.00
102.417	0.00	0.00	0.003	O	|	|	|	|	0.00
102.500	0.00	0.00	0.003	O	|	|	|	|	0.00
102.583	0.00	0.00	0.003	O	|	|	|	|	0.00
102.667	0.00	0.00	0.003	O	|	|	|	|	0.00
102.750	0.00	0.00	0.003	O	|	|	|	|	0.00
102.833	0.00	0.00	0.003	O	|	|	|	|	0.00
102.917	0.00	0.00	0.003	O	|	|	|	|	0.00
103.000	0.00	0.00	0.003	O	|	|	|	|	0.00
103.083	0.00	0.00	0.003	O	|	|	|	|	0.00
103.167	0.00	0.00	0.003	O	|	|	|	|	0.00
103.250	0.00	0.00	0.003	O	|	|	|	|	0.00
103.333	0.00	0.00	0.003	O	|	|	|	|	0.00
103.417	0.00	0.00	0.003	O	|	|	|	|	0.00
103.500	0.00	0.00	0.003	O	|	|	|	|	0.00
103.583	0.00	0.00	0.003	O	|	|	|	|	0.00
103.667	0.00	0.00	0.003	O	|	|	|	|	0.00
103.750	0.00	0.00	0.003	O	|	|	|	|	0.00
103.833	0.00	0.00	0.003	O	|	|	|	|	0.00
103.917	0.00	0.00	0.003	O	|	|	|	|	0.00
104.000	0.00	0.00	0.003	O	|	|	|	|	0.00
104.083	0.00	0.00	0.003	O	|	|	|	|	0.00
104.167	0.00	0.00	0.003	O	|	|	|	|	0.00
104.250	0.00	0.00	0.003	O	|	|	|	|	0.00
104.333	0.00	0.00	0.003	O	|	|	|	|	0.00
104.417	0.00	0.00	0.002	O	|	|	|	|	0.00
104.500	0.00	0.00	0.002	O	|	|	|	|	0.00
104.583	0.00	0.00	0.002	O	|	|	|	|	0.00
104.667	0.00	0.00	0.002	O	|	|	|	|	0.00
104.750	0.00	0.00	0.002	O	|	|	|	|	0.00
104.833	0.00	0.00	0.002	O	|	|	|	|	0.00
104.917	0.00	0.00	0.002	O	|	|	|	|	0.00
105.000	0.00	0.00	0.002	O	|	|	|	|	0.00
105.083	0.00	0.00	0.002	O	|	|	|	|	0.00
105.167	0.00	0.00	0.002	O	|	|	|	|	0.00
105.250	0.00	0.00	0.002	O	|	|	|	|	0.00
105.333	0.00	0.00	0.002	O	|	|	|	|	0.00
105.417	0.00	0.00	0.002	O	|	|	|	|	0.00
105.500	0.00	0.00	0.002	O	|	|	|	|	0.00
105.583	0.00	0.00	0.002	O	|	|	|	|	0.00
105.667	0.00	0.00	0.002	O	|	|	|	|	0.00
105.750	0.00	0.00	0.002	O	|	|	|	|	0.00
105.833	0.00	0.00	0.002	O	|	|	|	|	0.00
105.917	0.00	0.00	0.002	O	|	|	|	|	0.00
106.000	0.00	0.00	0.002	O	|	|	|	|	0.00
106.083	0.00	0.00	0.002	O	|	|	|	|	0.00
106.167	0.00	0.00	0.002	O	|	|	|	|	0.00
106.250	0.00	0.00	0.002	O	|	|	|	|	0.00
106.333	0.00	0.00	0.002	O	|	|	|	|	0.00
106.417	0.00	0.00	0.002	O	|	|	|	|	0.00
106.500	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1278
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 98.099 (CFS)
Total volume = 17.564 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 01/08/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRB6100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 83
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 198.358 (CFS)
Total volume = 24.331 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN B- ROUTING
100YR-6HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 83
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	2.050	2.320	2.042	2.058
2.000	4.240	3.490	4.228	4.252
3.000	6.570	4.360	6.555	6.585
4.000	9.040	5.080	9.023	9.057
5.000	11.650	5.710	11.630	11.670
6.000	14.410	127.850	13.970	14.850
7.000	17.320	320.000	16.218	18.422
8.000	20.370	563.910	18.428	22.312
9.000	23.580	930.190	20.377	26.783
10.000	26.950	1399.580	22.131	31.769
11.000	30.500	1945.140	23.802	37.198

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	49.6	99.18	148.77	198.36 (Ft.) Depth

0.083	1.30	0.01	0.004	O	|	|	|	|	0.00
0.167	6.37	0.03	0.031	OI	|	|	|	|	0.02
0.250	9.95	0.10	0.086	OI	|	|	|	|	0.04
0.333	11.50	0.18	0.159	OI	|	|	|	|	0.08
0.417	12.33	0.27	0.240	OI	|	|	|	|	0.12
0.500	13.13	0.37	0.325	O I	|	|	|	|	0.16
0.583	14.45	0.47	0.417	O I	|	|	|	|	0.20
0.667	15.24	0.58	0.516	O I	|	|	|	|	0.25
0.750	15.64	0.70	0.618	O I	|	|	|	|	0.30
0.833	15.90	0.82	0.721	O I	|	|	|	|	0.35
0.917	16.08	0.93	0.825	O I	|	|	|	|	0.40
1.000	16.55	1.05	0.931	O I	|	|	|	|	0.45
1.083	17.88	1.18	1.042	O I	|	|	|	|	0.51
1.167	18.61	1.31	1.159	O I	|	|	|	|	0.57
1.250	18.90	1.45	1.279	O I	|	|	|	|	0.62
1.333	19.08	1.58	1.399	O I	|	|	|	|	0.68
1.417	19.20	1.72	1.519	O I	|	|	|	|	0.74
1.500	19.28	1.86	1.640	O I	|	|	|	|	0.80
1.583	19.33	1.99	1.759	O I	|	|	|	|	0.86
1.667	19.37	2.13	1.878	O I	|	|	|	|	0.92
1.750	19.40	2.26	1.997	O I	|	|	|	|	0.97
1.833	19.42	2.35	2.115	O I	|	|	|	|	1.03
1.917	19.44	2.42	2.232	O I	|	|	|	|	1.08
2.000	19.98	2.48	2.351	O I	|	|	|	|	1.14
2.083	21.44	2.55	2.476	O I	|	|	|	|	1.19
2.167	21.07	2.62	2.605	O I	|	|	|	|	1.25
2.250	22.41	2.69	2.736	O I	|	|	|	|	1.31
2.333	23.33	2.76	2.875	O I	|	|	|	|	1.38
2.417	23.67	2.84	3.018	O I	|	|	|	|	1.44
2.500	23.88	2.91	3.162	O I	|	|	|	|	1.51
2.583	24.02	2.99	3.306	O I	|	|	|	|	1.57
2.667	24.11	3.07	3.451	O I	|	|	|	|	1.64
2.750	24.72	3.15	3.598	O I	|	|	|	|	1.71
2.833	26.78	3.23	3.753	O I	|	|	|	|	1.78
2.917	27.90	3.32	3.919	O I	|	|	|	|	1.85
3.000	28.34	3.41	4.090	O I	|	|	|	|	1.93
3.083	28.62	3.50	4.262	O I	|	|	|	|	2.01
3.167	29.34	3.56	4.437	O I	|	|	|	|	2.08
3.250	31.46	3.63	4.622	O I	|	|	|	|	2.16
3.333	32.64	3.71	4.817	O I	|	|	|	|	2.25
3.417	33.67	3.78	5.020	O I	|	|	|	|	2.33
3.500	36.52	3.86	5.235	O I	|	|	|	|	2.43
3.583	40.36	3.95	5.473	O I	|	|	|	|	2.53
3.667	44.02	4.05	5.736	O I	|	|	|	|	2.64
3.750	46.43	4.15	6.019	O I	|	|	|	|	2.76
3.833	49.35	4.27	6.320	O I	|	|	|	|	2.89
3.917	51.58	4.38	6.638	O I	|	|	|	|	3.03
4.000	54.42	4.48	6.972	O I	|	|	|	|	3.16
4.083	56.60	4.58	7.323	O | I	|	|	|	|	3.31
4.167	59.94	4.69	7.693	O | I	|	|	|	|	3.45
4.250	64.10	4.80	8.087	O | I	|	|	|	|	3.61
4.333	68.52	4.93	8.510	O | I	|	|	|	|	3.79
4.417	73.08	5.06	8.964	O | I	|	|	|	|	3.97
4.500	77.18	5.18	9.446	O | I	|	|	|	|	4.16
4.583	79.89	5.30	9.951	O | I	|	|	|	|	4.35
4.667	83.56	5.43	10.477	O | I	|	|	|	|	4.55
4.750	87.93	5.56	11.029	O | I	|	|	|	|	4.76
4.833	91.96	5.70	11.610	O | I	|	|	|	|	4.98
4.917	94.62	27.34	12.139	| O | I	|	|	|	|	5.18
5.000	98.28	45.62	12.552	| O | I	|	|	|	|	5.33
5.083	104.80	60.41	12.886	| O | I	|	|	|	|	5.45
5.167	119.52	74.09	13.195	| O | I	|	|	|	|	5.56
5.250	137.62	88.50	13.521	| O | I	|	|	|	|	5.68
5.333	153.50	103.59	13.862	| O | I	|	|	|	|	5.80
5.417	169.37	118.89	14.208	| O | I	|	|	|	|	5.93
5.500	191.29	138.06	14.565	| O | I	|	|	|	|	6.05
5.583	198.36	159.09	14.883	| O | I	|	|	|	|	6.16
5.667	133.25	**161.58**	**14.921**	**| O | I**	**|**	**|**	**|**	**|**	**6.18**

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 5.750   78.61  140.96     14.609  |       |   I   |     O |       |     6.07
 5.833   51.73  117.16     14.168  |       I       | O     |       |     5.91
 5.917   36.99   97.91     13.733  |    I  |       O|       |       |     5.75
 6.000   26.54   80.42     13.338  |   I   |   O   |       |       |     5.61
 6.083   18.68   65.13     12.993  |  I    | O     |       |       |     5.49
 6.167   11.85   51.94     12.695  |I      O       |       |       |     5.38
 6.250    7.44   40.75     12.442  |I    O |       |       |       |     5.29
 6.333    4.70   31.58     12.235  I    O  |       |       |       |     5.21
 6.417    2.54   24.19     12.067  I  O    |       |       |       |     5.15
 6.500    1.00   18.26     11.934  I O     |       |       |       |     5.10
 6.583    0.48   13.62     11.829  I O     |       |       |       |     5.06
 6.667    0.27   10.12     11.750  IO      |       |       |       |     5.04
 6.750    0.14    7.50     11.690  IO      |       |       |       |     5.01
 6.833    0.06    5.71     11.646  O       |       |       |       |     5.00
 6.917    0.02    5.70     11.607  O       |       |       |       |     4.98
 7.000    0.00    5.69     11.567  O       |       |       |       |     4.97
 7.083    0.00    5.68     11.528  O       |       |       |       |     4.95
 7.167    0.00    5.67     11.489  O       |       |       |       |     4.94
 7.250    0.00    5.66     11.450  O       |       |       |       |     4.92
 7.333    0.00    5.65     11.411  O       |       |       |       |     4.91
 7.417    0.00    5.64     11.372  O       |       |       |       |     4.89
 7.500    0.00    5.63     11.334  O       |       |       |       |     4.88
 7.583    0.00    5.62     11.295  O       |       |       |       |     4.86
 7.667    0.00    5.61     11.256  O       |       |       |       |     4.85
 7.750    0.00    5.61     11.217  O       |       |       |       |     4.83
 7.833    0.00    5.60     11.179  O       |       |       |       |     4.82
 7.917    0.00    5.59     11.140  O       |       |       |       |     4.80
 8.000    0.00    5.58     11.102  O       |       |       |       |     4.79
 8.083    0.00    5.57     11.063  O       |       |       |       |     4.78
 8.167    0.00    5.56     11.025  O       |       |       |       |     4.76
 8.250    0.00    5.55     10.987  O       |       |       |       |     4.75
 8.333    0.00    5.54     10.949  O       |       |       |       |     4.73
 8.417    0.00    5.53     10.911  O       |       |       |       |     4.72
 8.500    0.00    5.52     10.873  O       |       |       |       |     4.70
 8.583    0.00    5.51     10.835  O       |       |       |       |     4.69
 8.667    0.00    5.50     10.797  O       |       |       |       |     4.67
 8.750    0.00    5.49     10.759  O       |       |       |       |     4.66
 8.833    0.00    5.49     10.721  O       |       |       |       |     4.64
 8.917    0.00    5.48     10.683  O       |       |       |       |     4.63
 9.000    0.00    5.47     10.645  O       |       |       |       |     4.62
 9.083    0.00    5.46     10.608  O       |       |       |       |     4.60
 9.167    0.00    5.45     10.570  O       |       |       |       |     4.59
 9.250    0.00    5.44     10.533  O       |       |       |       |     4.57
 9.333    0.00    5.43     10.495  O       |       |       |       |     4.56
 9.417    0.00    5.42     10.458  O       |       |       |       |     4.54
 9.500    0.00    5.41     10.421  O       |       |       |       |     4.53
 9.583    0.00    5.40     10.383  O       |       |       |       |     4.51
 9.667    0.00    5.40     10.346  O       |       |       |       |     4.50
 9.750    0.00    5.39     10.309  O       |       |       |       |     4.49
 9.833    0.00    5.38     10.272  O       |       |       |       |     4.47
 9.917    0.00    5.37     10.235  O       |       |       |       |     4.46
10.000    0.00    5.36     10.198  O       |       |       |       |     4.44
10.083    0.00    5.35     10.161  O       |       |       |       |     4.43
10.167    0.00    5.34     10.124  O       |       |       |       |     4.42
10.250    0.00    5.33     10.088  O       |       |       |       |     4.40
10.333    0.00    5.32     10.051  O       |       |       |       |     4.39
10.417    0.00    5.32     10.014  O       |       |       |       |     4.37
10.500    0.00    5.31      9.978  O       |       |       |       |     4.36
10.583    0.00    5.30      9.941  O       |       |       |       |     4.35
10.667    0.00    5.29      9.905  O       |       |       |       |     4.33
10.750    0.00    5.28      9.868  O       |       |       |       |     4.32
10.833    0.00    5.27      9.832  O       |       |       |       |     4.30
10.917    0.00    5.26      9.796  O       |       |       |       |     4.29
11.000    0.00    5.25      9.760  O       |       |       |       |     4.28
11.083    0.00    5.24      9.723  O       |       |       |       |     4.26
11.167    0.00    5.24      9.687  O       |       |       |       |     4.25
11.250    0.00    5.23      9.651  O       |       |       |       |     4.23
11.333    0.00    5.22      9.615  O       |       |       |       |     4.22
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11.417	0.00	5.21	9.579	O	|	|	|	|	4.21
11.500	0.00	5.20	9.544	O	|	|	|	|	4.19
11.583	0.00	5.19	9.508	O	|	|	|	|	4.18
11.667	0.00	5.18	9.472	O	|	|	|	|	4.17
11.750	0.00	5.18	9.436	O	|	|	|	|	4.15
11.833	0.00	5.17	9.401	O	|	|	|	|	4.14
11.917	0.00	5.16	9.365	O	|	|	|	|	4.12
12.000	0.00	5.15	9.330	O	|	|	|	|	4.11
12.083	0.00	5.14	9.294	O	|	|	|	|	4.10
12.167	0.00	5.13	9.259	O	|	|	|	|	4.08
12.250	0.00	5.12	9.224	O	|	|	|	|	4.07
12.333	0.00	5.12	9.188	O	|	|	|	|	4.06
12.417	0.00	5.11	9.153	O	|	|	|	|	4.04
12.500	0.00	5.10	9.118	O	|	|	|	|	4.03
12.583	0.00	5.09	9.083	O	|	|	|	|	4.02
12.667	0.00	5.08	9.048	O	|	|	|	|	4.00
12.750	0.00	5.07	9.013	O	|	|	|	|	3.99
12.833	0.00	5.06	8.978	O	|	|	|	|	3.97
12.917	0.00	5.05	8.943	O	|	|	|	|	3.96
13.000	0.00	5.04	8.908	O	|	|	|	|	3.95
13.083	0.00	5.03	8.874	O	|	|	|	|	3.93
13.167	0.00	5.02	8.839	O	|	|	|	|	3.92
13.250	0.00	5.01	8.804	O	|	|	|	|	3.90
13.333	0.00	5.00	8.770	O	|	|	|	|	3.89
13.417	0.00	4.99	8.736	O	|	|	|	|	3.88
13.500	0.00	4.98	8.701	O	|	|	|	|	3.86
13.583	0.00	4.97	8.667	O	|	|	|	|	3.85
13.667	0.00	4.96	8.633	O	|	|	|	|	3.84
13.750	0.00	4.95	8.599	O	|	|	|	|	3.82
13.833	0.00	4.94	8.565	O	|	|	|	|	3.81
13.917	0.00	4.93	8.531	O	|	|	|	|	3.79
14.000	0.00	4.92	8.497	O	|	|	|	|	3.78
14.083	0.00	4.91	8.463	O	|	|	|	|	3.77
14.167	0.00	4.90	8.429	O	|	|	|	|	3.75
14.250	0.00	4.89	8.395	O	|	|	|	|	3.74
14.333	0.00	4.88	8.362	O	|	|	|	|	3.73
14.417	0.00	4.87	8.328	O	|	|	|	|	3.71
14.500	0.00	4.86	8.295	O	|	|	|	|	3.70
14.583	0.00	4.85	8.261	O	|	|	|	|	3.68
14.667	0.00	4.84	8.228	O	|	|	|	|	3.67
14.750	0.00	4.83	8.194	O	|	|	|	|	3.66
14.833	0.00	4.82	8.161	O	|	|	|	|	3.64
14.917	0.00	4.81	8.128	O	|	|	|	|	3.63
15.000	0.00	4.80	8.095	O	|	|	|	|	3.62
15.083	0.00	4.79	8.062	O	|	|	|	|	3.60
15.167	0.00	4.79	8.029	O	|	|	|	|	3.59
15.250	0.00	4.78	7.996	O	|	|	|	|	3.58
15.333	0.00	4.77	7.963	O	|	|	|	|	3.56
15.417	0.00	4.76	7.930	O	|	|	|	|	3.55
15.500	0.00	4.75	7.897	O	|	|	|	|	3.54
15.583	0.00	4.74	7.865	O	|	|	|	|	3.52
15.667	0.00	4.73	7.832	O	|	|	|	|	3.51
15.750	0.00	4.72	7.800	O	|	|	|	|	3.50
15.833	0.00	4.71	7.767	O	|	|	|	|	3.48
15.917	0.00	4.70	7.735	O	|	|	|	|	3.47
16.000	0.00	4.69	7.702	O	|	|	|	|	3.46
16.083	0.00	4.68	7.670	O	|	|	|	|	3.45
16.167	0.00	4.67	7.638	O	|	|	|	|	3.43
16.250	0.00	4.66	7.606	O	|	|	|	|	3.42
16.333	0.00	4.65	7.574	O	|	|	|	|	3.41
16.417	0.00	4.64	7.542	O	|	|	|	|	3.39
16.500	0.00	4.63	7.510	O	|	|	|	|	3.38
16.583	0.00	4.62	7.478	O	|	|	|	|	3.37
16.667	0.00	4.62	7.446	O	|	|	|	|	3.35
16.750	0.00	4.61	7.414	O	|	|	|	|	3.34
16.833	0.00	4.60	7.383	O	|	|	|	|	3.33
16.917	0.00	4.59	7.351	O	|	|	|	|	3.32
17.000	0.00	4.58	7.319	O	|	|	|	|	3.30

17.083	0.00	4.57	7.288	O	|	|	|	|	3.29
17.167	0.00	4.56	7.257	O	|	|	|	|	3.28
17.250	0.00	4.55	7.225	O	|	|	|	|	3.27
17.333	0.00	4.54	7.194	O	|	|	|	|	3.25
17.417	0.00	4.53	7.163	O	|	|	|	|	3.24
17.500	0.00	4.52	7.131	O	|	|	|	|	3.23
17.583	0.00	4.51	7.100	O	|	|	|	|	3.21
17.667	0.00	4.51	7.069	O	|	|	|	|	3.20
17.750	0.00	4.50	7.038	O	|	|	|	|	3.19
17.833	0.00	4.49	7.007	O	|	|	|	|	3.18
17.917	0.00	4.48	6.976	O	|	|	|	|	3.16
18.000	0.00	4.47	6.946	O	|	|	|	|	3.15
18.083	0.00	4.46	6.915	O	|	|	|	|	3.14
18.167	0.00	4.45	6.884	O	|	|	|	|	3.13
18.250	0.00	4.44	6.854	O	|	|	|	|	3.11
18.333	0.00	4.43	6.823	O	|	|	|	|	3.10
18.417	0.00	4.42	6.792	O	|	|	|	|	3.09
18.500	0.00	4.42	6.762	O	|	|	|	|	3.08
18.583	0.00	4.41	6.732	O	|	|	|	|	3.07
18.667	0.00	4.40	6.701	O	|	|	|	|	3.05
18.750	0.00	4.39	6.671	O	|	|	|	|	3.04
18.833	0.00	4.38	6.641	O	|	|	|	|	3.03
18.917	0.00	4.37	6.611	O	|	|	|	|	3.02
19.000	0.00	4.36	6.581	O	|	|	|	|	3.00
19.083	0.00	4.35	6.551	O	|	|	|	|	2.99
19.167	0.00	4.34	6.521	O	|	|	|	|	2.98
19.250	0.00	4.33	6.491	O	|	|	|	|	2.97
19.333	0.00	4.32	6.461	O	|	|	|	|	2.95
19.417	0.00	4.31	6.431	O	|	|	|	|	2.94
19.500	0.00	4.30	6.402	O	|	|	|	|	2.93
19.583	0.00	4.29	6.372	O	|	|	|	|	2.92
19.667	0.00	4.28	6.343	O	|	|	|	|	2.90
19.750	0.00	4.26	6.313	O	|	|	|	|	2.89
19.833	0.00	4.25	6.284	O	|	|	|	|	2.88
19.917	0.00	4.24	6.255	O	|	|	|	|	2.86
20.000	0.00	4.23	6.225	O	|	|	|	|	2.85
20.083	0.00	4.22	6.196	O	|	|	|	|	2.84
20.167	0.00	4.21	6.167	O	|	|	|	|	2.83
20.250	0.00	4.20	6.138	O	|	|	|	|	2.81
20.333	0.00	4.19	6.110	O	|	|	|	|	2.80
20.417	0.00	4.18	6.081	O	|	|	|	|	2.79
20.500	0.00	4.17	6.052	O	|	|	|	|	2.78
20.583	0.00	4.16	6.023	O	|	|	|	|	2.77
20.667	0.00	4.15	5.995	O	|	|	|	|	2.75
20.750	0.00	4.13	5.966	O	|	|	|	|	2.74
20.833	0.00	4.12	5.938	O	|	|	|	|	2.73
20.917	0.00	4.11	5.909	O	|	|	|	|	2.72
21.000	0.00	4.10	5.881	O	|	|	|	|	2.70
21.083	0.00	4.09	5.853	O	|	|	|	|	2.69
21.167	0.00	4.08	5.825	O	|	|	|	|	2.68
21.250	0.00	4.07	5.797	O	|	|	|	|	2.67
21.333	0.00	4.06	5.769	O	|	|	|	|	2.66
21.417	0.00	4.05	5.741	O	|	|	|	|	2.64
21.500	0.00	4.04	5.713	O	|	|	|	|	2.63
21.583	0.00	4.03	5.685	O	|	|	|	|	2.62
21.667	0.00	4.02	5.657	O	|	|	|	|	2.61
21.750	0.00	4.01	5.630	O	|	|	|	|	2.60
21.833	0.00	4.00	5.602	O	|	|	|	|	2.58
21.917	0.00	3.99	5.575	O	|	|	|	|	2.57
22.000	0.00	3.98	5.547	O	|	|	|	|	2.56
22.083	0.00	3.97	5.520	O	|	|	|	|	2.55
22.167	0.00	3.96	5.493	O	|	|	|	|	2.54
22.250	0.00	3.95	5.465	O	|	|	|	|	2.53
22.333	0.00	3.94	5.438	O	|	|	|	|	2.51
22.417	0.00	3.93	5.411	O	|	|	|	|	2.50
22.500	0.00	3.92	5.384	O	|	|	|	|	2.49
22.583	0.00	3.91	5.357	O	|	|	|	|	2.48
22.667	0.00	3.90	5.330	O	|	|	|	|	2.47

22.750	0.00	3.89	5.303	O	|	|	|	|	2.46
22.833	0.00	3.88	5.277	O	|	|	|	|	2.44
22.917	0.00	3.87	5.250	O	|	|	|	|	2.43
23.000	0.00	3.86	5.223	O	|	|	|	|	2.42
23.083	0.00	3.85	5.197	O	|	|	|	|	2.41
23.167	0.00	3.84	5.170	O	|	|	|	|	2.40
23.250	0.00	3.83	5.144	O	|	|	|	|	2.39
23.333	0.00	3.82	5.118	O	|	|	|	|	2.38
23.417	0.00	3.81	5.092	O	|	|	|	|	2.37
23.500	0.00	3.80	5.065	O	|	|	|	|	2.35
23.583	0.00	3.79	5.039	O	|	|	|	|	2.34
23.667	0.00	3.78	5.013	O	|	|	|	|	2.33
23.750	0.00	3.77	4.987	O	|	|	|	|	2.32
23.833	0.00	3.76	4.961	O	|	|	|	|	2.31
23.917	0.00	3.75	4.935	O	|	|	|	|	2.30
24.000	0.00	3.74	4.910	O	|	|	|	|	2.29
24.083	0.00	3.73	4.884	O	|	|	|	|	2.28
24.167	0.00	3.72	4.858	O	|	|	|	|	2.27
24.250	0.00	3.71	4.833	O	|	|	|	|	2.25
24.333	0.00	3.70	4.807	O	|	|	|	|	2.24
24.417	0.00	3.69	4.782	O	|	|	|	|	2.23
24.500	0.00	3.68	4.756	O	|	|	|	|	2.22
24.583	0.00	3.67	4.731	O	|	|	|	|	2.21
24.667	0.00	3.66	4.706	O	|	|	|	|	2.20
24.750	0.00	3.65	4.680	O	|	|	|	|	2.19
24.833	0.00	3.65	4.655	O	|	|	|	|	2.18
24.917	0.00	3.64	4.630	O	|	|	|	|	2.17
25.000	0.00	3.63	4.605	O	|	|	|	|	2.16
25.083	0.00	3.62	4.580	O	|	|	|	|	2.15
25.167	0.00	3.61	4.555	O	|	|	|	|	2.14
25.250	0.00	3.60	4.531	O	|	|	|	|	2.12
25.333	0.00	3.59	4.506	O	|	|	|	|	2.11
25.417	0.00	3.58	4.481	O	|	|	|	|	2.10
25.500	0.00	3.57	4.457	O	|	|	|	|	2.09
25.583	0.00	3.56	4.432	O	|	|	|	|	2.08
25.667	0.00	3.55	4.407	O	|	|	|	|	2.07
25.750	0.00	3.54	4.383	O	|	|	|	|	2.06
25.833	0.00	3.53	4.359	O	|	|	|	|	2.05
25.917	0.00	3.53	4.334	O	|	|	|	|	2.04
26.000	0.00	3.52	4.310	O	|	|	|	|	2.03
26.083	0.00	3.51	4.286	O	|	|	|	|	2.02
26.167	0.00	3.50	4.262	O	|	|	|	|	2.01
26.250	0.00	3.49	4.238	O	|	|	|	|	2.00
26.333	0.00	3.48	4.214	O	|	|	|	|	1.99
26.417	0.00	3.46	4.190	O	|	|	|	|	1.98
26.500	0.00	3.45	4.166	O	|	|	|	|	1.97
26.583	0.00	3.44	4.142	O	|	|	|	|	1.96
26.667	0.00	3.43	4.119	O	|	|	|	|	1.94
26.750	0.00	3.41	4.095	O	|	|	|	|	1.93
26.833	0.00	3.40	4.072	O	|	|	|	|	1.92
26.917	0.00	3.39	4.048	O	|	|	|	|	1.91
27.000	0.00	3.38	4.025	O	|	|	|	|	1.90
27.083	0.00	3.36	4.002	O	|	|	|	|	1.89
27.167	0.00	3.35	3.979	O	|	|	|	|	1.88
27.250	0.00	3.34	3.956	O	|	|	|	|	1.87
27.333	0.00	3.33	3.933	O	|	|	|	|	1.86
27.417	0.00	3.31	3.910	O	|	|	|	|	1.85
27.500	0.00	3.30	3.887	O	|	|	|	|	1.84
27.583	0.00	3.29	3.864	O	|	|	|	|	1.83
27.667	0.00	3.28	3.842	O	|	|	|	|	1.82
27.750	0.00	3.27	3.819	O	|	|	|	|	1.81
27.833	0.00	3.25	3.797	O	|	|	|	|	1.80
27.917	0.00	3.24	3.774	O	|	|	|	|	1.79
28.000	0.00	3.23	3.752	O	|	|	|	|	1.78
28.083	0.00	3.22	3.730	O	|	|	|	|	1.77
28.167	0.00	3.21	3.708	O	|	|	|	|	1.76
28.250	0.00	3.19	3.686	O	|	|	|	|	1.75
28.333	0.00	3.18	3.664	O	|	|	|	|	1.74

28.417	0.00	3.17	3.642	O	|	|	|	|	1.73
28.500	0.00	3.16	3.620	O	|	|	|	|	1.72
28.583	0.00	3.15	3.598	O	|	|	|	|	1.71
28.667	0.00	3.14	3.577	O	|	|	|	|	1.70
28.750	0.00	3.12	3.555	O	|	|	|	|	1.69
28.833	0.00	3.11	3.534	O	|	|	|	|	1.68
28.917	0.00	3.10	3.512	O	|	|	|	|	1.67
29.000	0.00	3.09	3.491	O	|	|	|	|	1.66
29.083	0.00	3.08	3.470	O	|	|	|	|	1.65
29.167	0.00	3.07	3.449	O	|	|	|	|	1.64
29.250	0.00	3.06	3.428	O	|	|	|	|	1.63
29.333	0.00	3.04	3.407	O	|	|	|	|	1.62
29.417	0.00	3.03	3.386	O	|	|	|	|	1.61
29.500	0.00	3.02	3.365	O	|	|	|	|	1.60
29.583	0.00	3.01	3.344	O	|	|	|	|	1.59
29.667	0.00	3.00	3.323	O	|	|	|	|	1.58
29.750	0.00	2.99	3.303	O	|	|	|	|	1.57
29.833	0.00	2.98	3.282	O	|	|	|	|	1.56
29.917	0.00	2.97	3.262	O	|	|	|	|	1.55
30.000	0.00	2.96	3.241	O	|	|	|	|	1.54
30.083	0.00	2.95	3.221	O	|	|	|	|	1.53
30.167	0.00	2.93	3.201	O	|	|	|	|	1.53
30.250	0.00	2.92	3.181	O	|	|	|	|	1.52
30.333	0.00	2.91	3.160	O	|	|	|	|	1.51
30.417	0.00	2.90	3.140	O	|	|	|	|	1.50
30.500	0.00	2.89	3.120	O	|	|	|	|	1.49
30.583	0.00	2.88	3.101	O	|	|	|	|	1.48
30.667	0.00	2.87	3.081	O	|	|	|	|	1.47
30.750	0.00	2.86	3.061	O	|	|	|	|	1.46
30.833	0.00	2.85	3.041	O	|	|	|	|	1.45
30.917	0.00	2.84	3.022	O	|	|	|	|	1.44
31.000	0.00	2.83	3.002	O	|	|	|	|	1.43
31.083	0.00	2.82	2.983	O	|	|	|	|	1.43
31.167	0.00	2.81	2.963	O	|	|	|	|	1.42
31.250	0.00	2.80	2.944	O	|	|	|	|	1.41
31.333	0.00	2.79	2.925	O	|	|	|	|	1.40
31.417	0.00	2.78	2.906	O	|	|	|	|	1.39
31.500	0.00	2.77	2.887	O	|	|	|	|	1.38
31.583	0.00	2.76	2.868	O	|	|	|	|	1.37
31.667	0.00	2.75	2.849	O	|	|	|	|	1.36
31.750	0.00	2.74	2.830	O	|	|	|	|	1.36
31.833	0.00	2.73	2.811	O	|	|	|	|	1.35
31.917	0.00	2.72	2.792	O	|	|	|	|	1.34
32.000	0.00	2.71	2.774	O	|	|	|	|	1.33
32.083	0.00	2.70	2.755	O	|	|	|	|	1.32
32.167	0.00	2.69	2.736	O	|	|	|	|	1.31
32.250	0.00	2.68	2.718	O	|	|	|	|	1.30
32.333	0.00	2.67	2.700	O	|	|	|	|	1.30
32.417	0.00	2.66	2.681	O	|	|	|	|	1.29
32.500	0.00	2.65	2.663	O	|	|	|	|	1.28
32.583	0.00	2.64	2.645	O	|	|	|	|	1.27
32.667	0.00	2.63	2.627	O	|	|	|	|	1.26
32.750	0.00	2.62	2.609	O	|	|	|	|	1.26
32.833	0.00	2.61	2.591	O	|	|	|	|	1.25
32.917	0.00	2.60	2.573	O	|	|	|	|	1.24
33.000	0.00	2.59	2.555	O	|	|	|	|	1.23
33.083	0.00	2.58	2.537	O	|	|	|	|	1.22
33.167	0.00	2.57	2.519	O	|	|	|	|	1.21
33.250	0.00	2.56	2.502	O	|	|	|	|	1.21
33.333	0.00	2.55	2.484	O	|	|	|	|	1.20
33.417	0.00	2.54	2.466	O	|	|	|	|	1.19
33.500	0.00	2.53	2.449	O	|	|	|	|	1.18
33.583	0.00	2.52	2.431	O	|	|	|	|	1.17
33.667	0.00	2.51	2.414	O	|	|	|	|	1.17
33.750	0.00	2.51	2.397	O	|	|	|	|	1.16
33.833	0.00	2.50	2.380	O	|	|	|	|	1.15
33.917	0.00	2.49	2.362	O	|	|	|	|	1.14
34.000	0.00	2.48	2.345	O	|	|	|	|	1.13

34.083	0.00	2.47	2.328	O	|	|	|	|	1.13
34.167	0.00	2.46	2.311	O	|	|	|	|	1.12
34.250	0.00	2.45	2.294	O	|	|	|	|	1.11
34.333	0.00	2.44	2.278	O	|	|	|	|	1.10
34.417	0.00	2.43	2.261	O	|	|	|	|	1.10
34.500	0.00	2.42	2.244	O	|	|	|	|	1.09
34.583	0.00	2.41	2.227	O	|	|	|	|	1.08
34.667	0.00	2.41	2.211	O	|	|	|	|	1.07
34.750	0.00	2.40	2.194	O	|	|	|	|	1.07
34.833	0.00	2.39	2.178	O	|	|	|	|	1.06
34.917	0.00	2.38	2.161	O	|	|	|	|	1.05
35.000	0.00	2.37	2.145	O	|	|	|	|	1.04
35.083	0.00	2.36	2.129	O	|	|	|	|	1.04
35.167	0.00	2.35	2.113	O	|	|	|	|	1.03
35.250	0.00	2.34	2.096	O	|	|	|	|	1.02
35.333	0.00	2.34	2.080	O	|	|	|	|	1.01
35.417	0.00	2.33	2.064	O	|	|	|	|	1.01
35.500	0.00	2.32	2.048	O	|	|	|	|	1.00
35.583	0.00	2.30	2.032	O	|	|	|	|	0.99
35.667	0.00	2.28	2.016	O	|	|	|	|	0.98
35.750	0.00	2.26	2.001	O	|	|	|	|	0.98
35.833	0.00	2.25	1.985	O	|	|	|	|	0.97
35.917	0.00	2.23	1.970	O	|	|	|	|	0.96
36.000	0.00	2.21	1.955	O	|	|	|	|	0.95
36.083	0.00	2.19	1.939	O	|	|	|	|	0.95
36.167	0.00	2.18	1.924	O	|	|	|	|	0.94
36.250	0.00	2.16	1.909	O	|	|	|	|	0.93
36.333	0.00	2.14	1.895	O	|	|	|	|	0.92
36.417	0.00	2.13	1.880	O	|	|	|	|	0.92
36.500	0.00	2.11	1.865	O	|	|	|	|	0.91
36.583	0.00	2.09	1.851	O	|	|	|	|	0.90
36.667	0.00	2.08	1.836	O	|	|	|	|	0.90
36.750	0.00	2.06	1.822	O	|	|	|	|	0.89
36.833	0.00	2.05	1.808	O	|	|	|	|	0.88
36.917	0.00	2.03	1.794	O	|	|	|	|	0.88
37.000	0.00	2.01	1.780	O	|	|	|	|	0.87
37.083	0.00	2.00	1.766	O	|	|	|	|	0.86
37.167	0.00	1.98	1.753	O	|	|	|	|	0.85
37.250	0.00	1.97	1.739	O	|	|	|	|	0.85
37.333	0.00	1.95	1.725	O	|	|	|	|	0.84
37.417	0.00	1.94	1.712	O	|	|	|	|	0.84
37.500	0.00	1.92	1.699	O	|	|	|	|	0.83
37.583	0.00	1.91	1.686	O	|	|	|	|	0.82
37.667	0.00	1.89	1.672	O	|	|	|	|	0.82
37.750	0.00	1.88	1.659	O	|	|	|	|	0.81
37.833	0.00	1.86	1.647	O	|	|	|	|	0.80
37.917	0.00	1.85	1.634	O	|	|	|	|	0.80
38.000	0.00	1.83	1.621	O	|	|	|	|	0.79
38.083	0.00	1.82	1.609	O	|	|	|	|	0.78
38.167	0.00	1.81	1.596	O	|	|	|	|	0.78
38.250	0.00	1.79	1.584	O	|	|	|	|	0.77
38.333	0.00	1.78	1.571	O	|	|	|	|	0.77
38.417	0.00	1.76	1.559	O	|	|	|	|	0.76
38.500	0.00	1.75	1.547	O	|	|	|	|	0.75
38.583	0.00	1.74	1.535	O	|	|	|	|	0.75
38.667	0.00	1.72	1.523	O	|	|	|	|	0.74
38.750	0.00	1.71	1.511	O	|	|	|	|	0.74
38.833	0.00	1.70	1.500	O	|	|	|	|	0.73
38.917	0.00	1.68	1.488	O	|	|	|	|	0.73
39.000	0.00	1.67	1.476	O	|	|	|	|	0.72
39.083	0.00	1.66	1.465	O	|	|	|	|	0.71
39.167	0.00	1.64	1.454	O	|	|	|	|	0.71
39.250	0.00	1.63	1.442	O	|	|	|	|	0.70
39.333	0.00	1.62	1.431	O	|	|	|	|	0.70
39.417	0.00	1.61	1.420	O	|	|	|	|	0.69
39.500	0.00	1.59	1.409	O	|	|	|	|	0.69
39.583	0.00	1.58	1.398	O	|	|	|	|	0.68
39.667	0.00	1.57	1.387	O	|	|	|	|	0.68

39.750	0.00	1.56	1.376	O	|	|	|	|	0.67
39.833	0.00	1.55	1.366	O	|	|	|	|	0.67
39.917	0.00	1.53	1.355	O	|	|	|	|	0.66
40.000	0.00	1.52	1.345	O	|	|	|	|	0.66
40.083	0.00	1.51	1.334	O	|	|	|	|	0.65
40.167	0.00	1.50	1.324	O	|	|	|	|	0.65
40.250	0.00	1.49	1.313	O	|	|	|	|	0.64
40.333	0.00	1.47	1.303	O	|	|	|	|	0.64
40.417	0.00	1.46	1.293	O	|	|	|	|	0.63
40.500	0.00	1.45	1.283	O	|	|	|	|	0.63
40.583	0.00	1.44	1.273	O	|	|	|	|	0.62
40.667	0.00	1.43	1.263	O	|	|	|	|	0.62
40.750	0.00	1.42	1.253	O	|	|	|	|	0.61
40.833	0.00	1.41	1.244	O	|	|	|	|	0.61
40.917	0.00	1.40	1.234	O	|	|	|	|	0.60
41.000	0.00	1.39	1.224	O	|	|	|	|	0.60
41.083	0.00	1.38	1.215	O	|	|	|	|	0.59
41.167	0.00	1.36	1.206	O	|	|	|	|	0.59
41.250	0.00	1.35	1.196	O	|	|	|	|	0.58
41.333	0.00	1.34	1.187	O	|	|	|	|	0.58
41.417	0.00	1.33	1.178	O	|	|	|	|	0.57
41.500	0.00	1.32	1.169	O	|	|	|	|	0.57
41.583	0.00	1.31	1.159	O	|	|	|	|	0.57
41.667	0.00	1.30	1.150	O	|	|	|	|	0.56
41.750	0.00	1.29	1.142	O	|	|	|	|	0.56
41.833	0.00	1.28	1.133	O	|	|	|	|	0.55
41.917	0.00	1.27	1.124	O	|	|	|	|	0.55
42.000	0.00	1.26	1.115	O	|	|	|	|	0.54
42.083	0.00	1.25	1.106	O	|	|	|	|	0.54
42.167	0.00	1.24	1.098	O	|	|	|	|	0.54
42.250	0.00	1.23	1.089	O	|	|	|	|	0.53
42.333	0.00	1.22	1.081	O	|	|	|	|	0.53
42.417	0.00	1.21	1.073	O	|	|	|	|	0.52
42.500	0.00	1.20	1.064	O	|	|	|	|	0.52
42.583	0.00	1.20	1.056	O	|	|	|	|	0.52
42.667	0.00	1.19	1.048	O	|	|	|	|	0.51
42.750	0.00	1.18	1.040	O	|	|	|	|	0.51
42.833	0.00	1.17	1.032	O	|	|	|	|	0.50
42.917	0.00	1.16	1.024	O	|	|	|	|	0.50
43.000	0.00	1.15	1.016	O	|	|	|	|	0.50
43.083	0.00	1.14	1.008	O	|	|	|	|	0.49
43.167	0.00	1.13	1.000	O	|	|	|	|	0.49
43.250	0.00	1.12	0.992	O	|	|	|	|	0.48
43.333	0.00	1.11	0.984	O	|	|	|	|	0.48
43.417	0.00	1.11	0.977	O	|	|	|	|	0.48
43.500	0.00	1.10	0.969	O	|	|	|	|	0.47
43.583	0.00	1.09	0.962	O	|	|	|	|	0.47
43.667	0.00	1.08	0.954	O	|	|	|	|	0.47
43.750	0.00	1.07	0.947	O	|	|	|	|	0.46
43.833	0.00	1.06	0.939	O	|	|	|	|	0.46
43.917	0.00	1.05	0.932	O	|	|	|	|	0.45
44.000	0.00	1.05	0.925	O	|	|	|	|	0.45
44.083	0.00	1.04	0.918	O	|	|	|	|	0.45
44.167	0.00	1.03	0.911	O	|	|	|	|	0.44
44.250	0.00	1.02	0.904	O	|	|	|	|	0.44
44.333	0.00	1.01	0.897	O	|	|	|	|	0.44
44.417	0.00	1.01	0.890	O	|	|	|	|	0.43
44.500	0.00	1.00	0.883	O	|	|	|	|	0.43
44.583	0.00	0.99	0.876	O	|	|	|	|	0.43
44.667	0.00	0.98	0.869	O	|	|	|	|	0.42
44.750	0.00	0.98	0.862	O	|	|	|	|	0.42
44.833	0.00	0.97	0.856	O	|	|	|	|	0.42
44.917	0.00	0.96	0.849	O	|	|	|	|	0.41
45.000	0.00	0.95	0.842	O	|	|	|	|	0.41
45.083	0.00	0.95	0.836	O	|	|	|	|	0.41
45.167	0.00	0.94	0.829	O	|	|	|	|	0.40
45.250	0.00	0.93	0.823	O	|	|	|	|	0.40
45.333	0.00	0.92	0.816	O	|	|	|	|	0.40

45.417	0.00	0.92	0.810	O	|	|	|	|	0.40
45.500	0.00	0.91	0.804	O	|	|	|	|	0.39
45.583	0.00	0.90	0.798	O	|	|	|	|	0.39
45.667	0.00	0.90	0.791	O	|	|	|	|	0.39
45.750	0.00	0.89	0.785	O	|	|	|	|	0.38
45.833	0.00	0.88	0.779	O	|	|	|	|	0.38
45.917	0.00	0.87	0.773	O	|	|	|	|	0.38
46.000	0.00	0.87	0.767	O	|	|	|	|	0.37
46.083	0.00	0.86	0.761	O	|	|	|	|	0.37
46.167	0.00	0.85	0.755	O	|	|	|	|	0.37
46.250	0.00	0.85	0.749	O	|	|	|	|	0.37
46.333	0.00	0.84	0.744	O	|	|	|	|	0.36
46.417	0.00	0.83	0.738	O	|	|	|	|	0.36
46.500	0.00	0.83	0.732	O	|	|	|	|	0.36
46.583	0.00	0.82	0.726	O	|	|	|	|	0.35
46.667	0.00	0.82	0.721	O	|	|	|	|	0.35
46.750	0.00	0.81	0.715	O	|	|	|	|	0.35
46.833	0.00	0.80	0.710	O	|	|	|	|	0.35
46.917	0.00	0.80	0.704	O	|	|	|	|	0.34
47.000	0.00	0.79	0.699	O	|	|	|	|	0.34
47.083	0.00	0.78	0.693	O	|	|	|	|	0.34
47.167	0.00	0.78	0.688	O	|	|	|	|	0.34
47.250	0.00	0.77	0.682	O	|	|	|	|	0.33
47.333	0.00	0.77	0.677	O	|	|	|	|	0.33
47.417	0.00	0.76	0.672	O	|	|	|	|	0.33
47.500	0.00	0.75	0.667	O	|	|	|	|	0.33
47.583	0.00	0.75	0.662	O	|	|	|	|	0.32
47.667	0.00	0.74	0.656	O	|	|	|	|	0.32
47.750	0.00	0.74	0.651	O	|	|	|	|	0.32
47.833	0.00	0.73	0.646	O	|	|	|	|	0.32
47.917	0.00	0.73	0.641	O	|	|	|	|	0.31
48.000	0.00	0.72	0.636	O	|	|	|	|	0.31
48.083	0.00	0.71	0.631	O	|	|	|	|	0.31
48.167	0.00	0.71	0.626	O	|	|	|	|	0.31
48.250	0.00	0.70	0.622	O	|	|	|	|	0.30
48.333	0.00	0.70	0.617	O	|	|	|	|	0.30
48.417	0.00	0.69	0.612	O	|	|	|	|	0.30
48.500	0.00	0.69	0.607	O	|	|	|	|	0.30
48.583	0.00	0.68	0.602	O	|	|	|	|	0.29
48.667	0.00	0.68	0.598	O	|	|	|	|	0.29
48.750	0.00	0.67	0.593	O	|	|	|	|	0.29
48.833	0.00	0.67	0.589	O	|	|	|	|	0.29
48.917	0.00	0.66	0.584	O	|	|	|	|	0.28
49.000	0.00	0.66	0.579	O	|	|	|	|	0.28
49.083	0.00	0.65	0.575	O	|	|	|	|	0.28
49.167	0.00	0.65	0.570	O	|	|	|	|	0.28
49.250	0.00	0.64	0.566	O	|	|	|	|	0.28
49.333	0.00	0.64	0.562	O	|	|	|	|	0.27
49.417	0.00	0.63	0.557	O	|	|	|	|	0.27
49.500	0.00	0.63	0.553	O	|	|	|	|	0.27
49.583	0.00	0.62	0.549	O	|	|	|	|	0.27
49.667	0.00	0.62	0.544	O	|	|	|	|	0.27
49.750	0.00	0.61	0.540	O	|	|	|	|	0.26
49.833	0.00	0.61	0.536	O	|	|	|	|	0.26
49.917	0.00	0.60	0.532	O	|	|	|	|	0.26
50.000	0.00	0.60	0.528	O	|	|	|	|	0.26
50.083	0.00	0.59	0.524	O	|	|	|	|	0.26
50.167	0.00	0.59	0.520	O	|	|	|	|	0.25
50.250	0.00	0.58	0.515	O	|	|	|	|	0.25
50.333	0.00	0.58	0.511	O	|	|	|	|	0.25
50.417	0.00	0.57	0.508	O	|	|	|	|	0.25
50.500	0.00	0.57	0.504	O	|	|	|	|	0.25
50.583	0.00	0.57	0.500	O	|	|	|	|	0.24
50.667	0.00	0.56	0.496	O	|	|	|	|	0.24
50.750	0.00	0.56	0.492	O	|	|	|	|	0.24
50.833	0.00	0.55	0.488	O	|	|	|	|	0.24
50.917	0.00	0.55	0.484	O	|	|	|	|	0.24
51.000	0.00	0.54	0.481	O	|	|	|	|	0.23

51.083	0.00	0.54	0.477	O	|	|	|	|	0.23
51.167	0.00	0.54	0.473	O	|	|	|	|	0.23
51.250	0.00	0.53	0.469	O	|	|	|	|	0.23
51.333	0.00	0.53	0.466	O	|	|	|	|	0.23
51.417	0.00	0.52	0.462	O	|	|	|	|	0.23
51.500	0.00	0.52	0.459	O	|	|	|	|	0.22
51.583	0.00	0.51	0.455	O	|	|	|	|	0.22
51.667	0.00	0.51	0.452	O	|	|	|	|	0.22
51.750	0.00	0.51	0.448	O	|	|	|	|	0.22
51.833	0.00	0.50	0.445	O	|	|	|	|	0.22
51.917	0.00	0.50	0.441	O	|	|	|	|	0.22
52.000	0.00	0.50	0.438	O	|	|	|	|	0.21
52.083	0.00	0.49	0.434	O	|	|	|	|	0.21
52.167	0.00	0.49	0.431	O	|	|	|	|	0.21
52.250	0.00	0.48	0.428	O	|	|	|	|	0.21
52.333	0.00	0.48	0.424	O	|	|	|	|	0.21
52.417	0.00	0.48	0.421	O	|	|	|	|	0.21
52.500	0.00	0.47	0.418	O	|	|	|	|	0.20
52.583	0.00	0.47	0.414	O	|	|	|	|	0.20
52.667	0.00	0.47	0.411	O	|	|	|	|	0.20
52.750	0.00	0.46	0.408	O	|	|	|	|	0.20
52.833	0.00	0.46	0.405	O	|	|	|	|	0.20
52.917	0.00	0.45	0.402	O	|	|	|	|	0.20
53.000	0.00	0.45	0.399	O	|	|	|	|	0.19
53.083	0.00	0.45	0.395	O	|	|	|	|	0.19
53.167	0.00	0.44	0.392	O	|	|	|	|	0.19
53.250	0.00	0.44	0.389	O	|	|	|	|	0.19
53.333	0.00	0.44	0.386	O	|	|	|	|	0.19
53.417	0.00	0.43	0.383	O	|	|	|	|	0.19
53.500	0.00	0.43	0.380	O	|	|	|	|	0.19
53.583	0.00	0.43	0.377	O	|	|	|	|	0.18
53.667	0.00	0.42	0.374	O	|	|	|	|	0.18
53.750	0.00	0.42	0.372	O	|	|	|	|	0.18
53.833	0.00	0.42	0.369	O	|	|	|	|	0.18
53.917	0.00	0.41	0.366	O	|	|	|	|	0.18
54.000	0.00	0.41	0.363	O	|	|	|	|	0.18
54.083	0.00	0.41	0.360	O	|	|	|	|	0.18
54.167	0.00	0.40	0.357	O	|	|	|	|	0.17
54.250	0.00	0.40	0.355	O	|	|	|	|	0.17
54.333	0.00	0.40	0.352	O	|	|	|	|	0.17
54.417	0.00	0.40	0.349	O	|	|	|	|	0.17
54.500	0.00	0.39	0.346	O	|	|	|	|	0.17
54.583	0.00	0.39	0.344	O	|	|	|	|	0.17
54.667	0.00	0.39	0.341	O	|	|	|	|	0.17
54.750	0.00	0.38	0.338	O	|	|	|	|	0.17
54.833	0.00	0.38	0.336	O	|	|	|	|	0.16
54.917	0.00	0.38	0.333	O	|	|	|	|	0.16
55.000	0.00	0.37	0.331	O	|	|	|	|	0.16
55.083	0.00	0.37	0.328	O	|	|	|	|	0.16
55.167	0.00	0.37	0.325	O	|	|	|	|	0.16
55.250	0.00	0.37	0.323	O	|	|	|	|	0.16
55.333	0.00	0.36	0.320	O	|	|	|	|	0.16
55.417	0.00	0.36	0.318	O	|	|	|	|	0.16
55.500	0.00	0.36	0.315	O	|	|	|	|	0.15
55.583	0.00	0.35	0.313	O	|	|	|	|	0.15
55.667	0.00	0.35	0.311	O	|	|	|	|	0.15
55.750	0.00	0.35	0.308	O	|	|	|	|	0.15
55.833	0.00	0.35	0.306	O	|	|	|	|	0.15
55.917	0.00	0.34	0.303	O	|	|	|	|	0.15
56.000	0.00	0.34	0.301	O	|	|	|	|	0.15
56.083	0.00	0.34	0.299	O	|	|	|	|	0.15
56.167	0.00	0.34	0.296	O	|	|	|	|	0.14
56.250	0.00	0.33	0.294	O	|	|	|	|	0.14
56.333	0.00	0.33	0.292	O	|	|	|	|	0.14
56.417	0.00	0.33	0.290	O	|	|	|	|	0.14
56.500	0.00	0.33	0.287	O	|	|	|	|	0.14
56.583	0.00	0.32	0.285	O	|	|	|	|	0.14
56.667	0.00	0.32	0.283	O	|	|	|	|	0.14

56.750	0.00	0.32	0.281	O	|	|	|	|	0.14
56.833	0.00	0.32	0.278	O	|	|	|	|	0.14
56.917	0.00	0.31	0.276	O	|	|	|	|	0.13
57.000	0.00	0.31	0.274	O	|	|	|	|	0.13
57.083	0.00	0.31	0.272	O	|	|	|	|	0.13
57.167	0.00	0.31	0.270	O	|	|	|	|	0.13
57.250	0.00	0.30	0.268	O	|	|	|	|	0.13
57.333	0.00	0.30	0.266	O	|	|	|	|	0.13
57.417	0.00	0.30	0.264	O	|	|	|	|	0.13
57.500	0.00	0.30	0.262	O	|	|	|	|	0.13
57.583	0.00	0.29	0.260	O	|	|	|	|	0.13
57.667	0.00	0.29	0.258	O	|	|	|	|	0.13
57.750	0.00	0.29	0.256	O	|	|	|	|	0.12
57.833	0.00	0.29	0.254	O	|	|	|	|	0.12
57.917	0.00	0.28	0.252	O	|	|	|	|	0.12
58.000	0.00	0.28	0.250	O	|	|	|	|	0.12
58.083	0.00	0.28	0.248	O	|	|	|	|	0.12
58.167	0.00	0.28	0.246	O	|	|	|	|	0.12
58.250	0.00	0.28	0.244	O	|	|	|	|	0.12
58.333	0.00	0.27	0.242	O	|	|	|	|	0.12
58.417	0.00	0.27	0.240	O	|	|	|	|	0.12
58.500	0.00	0.27	0.238	O	|	|	|	|	0.12
58.583	0.00	0.27	0.236	O	|	|	|	|	0.12
58.667	0.00	0.27	0.235	O	|	|	|	|	0.11
58.750	0.00	0.26	0.233	O	|	|	|	|	0.11
58.833	0.00	0.26	0.231	O	|	|	|	|	0.11
58.917	0.00	0.26	0.229	O	|	|	|	|	0.11
59.000	0.00	0.26	0.227	O	|	|	|	|	0.11
59.083	0.00	0.26	0.226	O	|	|	|	|	0.11
59.167	0.00	0.25	0.224	O	|	|	|	|	0.11
59.250	0.00	0.25	0.222	O	|	|	|	|	0.11
59.333	0.00	0.25	0.220	O	|	|	|	|	0.11
59.417	0.00	0.25	0.219	O	|	|	|	|	0.11
59.500	0.00	0.25	0.217	O	|	|	|	|	0.11
59.583	0.00	0.24	0.215	O	|	|	|	|	0.11
59.667	0.00	0.24	0.214	O	|	|	|	|	0.10
59.750	0.00	0.24	0.212	O	|	|	|	|	0.10
59.833	0.00	0.24	0.210	O	|	|	|	|	0.10
59.917	0.00	0.24	0.209	O	|	|	|	|	0.10
60.000	0.00	0.23	0.207	O	|	|	|	|	0.10
60.083	0.00	0.23	0.205	O	|	|	|	|	0.10
60.167	0.00	0.23	0.204	O	|	|	|	|	0.10
60.250	0.00	0.23	0.202	O	|	|	|	|	0.10
60.333	0.00	0.23	0.201	O	|	|	|	|	0.10
60.417	0.00	0.23	0.199	O	|	|	|	|	0.10
60.500	0.00	0.22	0.198	O	|	|	|	|	0.10
60.583	0.00	0.22	0.196	O	|	|	|	|	0.10
60.667	0.00	0.22	0.195	O	|	|	|	|	0.09
60.750	0.00	0.22	0.193	O	|	|	|	|	0.09
60.833	0.00	0.22	0.192	O	|	|	|	|	0.09
60.917	0.00	0.22	0.190	O	|	|	|	|	0.09
61.000	0.00	0.21	0.189	O	|	|	|	|	0.09
61.083	0.00	0.21	0.187	O	|	|	|	|	0.09
61.167	0.00	0.21	0.186	O	|	|	|	|	0.09
61.250	0.00	0.21	0.184	O	|	|	|	|	0.09
61.333	0.00	0.21	0.183	O	|	|	|	|	0.09
61.417	0.00	0.21	0.181	O	|	|	|	|	0.09
61.500	0.00	0.20	0.180	O	|	|	|	|	0.09
61.583	0.00	0.20	0.179	O	|	|	|	|	0.09
61.667	0.00	0.20	0.177	O	|	|	|	|	0.09
61.750	0.00	0.20	0.176	O	|	|	|	|	0.09
61.833	0.00	0.20	0.174	O	|	|	|	|	0.09
61.917	0.00	0.20	0.173	O	|	|	|	|	0.08
62.000	0.00	0.19	0.172	O	|	|	|	|	0.08
62.083	0.00	0.19	0.170	O	|	|	|	|	0.08
62.167	0.00	0.19	0.169	O	|	|	|	|	0.08
62.250	0.00	0.19	0.168	O	|	|	|	|	0.08
62.333	0.00	0.19	0.166	O	|	|	|	|	0.08

62.417	0.00	0.19	0.165	O	|	|	|	|	0.08
62.500	0.00	0.19	0.164	O	|	|	|	|	0.08
62.583	0.00	0.18	0.163	O	|	|	|	|	0.08
62.667	0.00	0.18	0.161	O	|	|	|	|	0.08
62.750	0.00	0.18	0.160	O	|	|	|	|	0.08
62.833	0.00	0.18	0.159	O	|	|	|	|	0.08
62.917	0.00	0.18	0.158	O	|	|	|	|	0.08
63.000	0.00	0.18	0.156	O	|	|	|	|	0.08
63.083	0.00	0.18	0.155	O	|	|	|	|	0.08
63.167	0.00	0.17	0.154	O	|	|	|	|	0.08
63.250	0.00	0.17	0.153	O	|	|	|	|	0.07
63.333	0.00	0.17	0.152	O	|	|	|	|	0.07
63.417	0.00	0.17	0.150	O	|	|	|	|	0.07
63.500	0.00	0.17	0.149	O	|	|	|	|	0.07
63.583	0.00	0.17	0.148	O	|	|	|	|	0.07
63.667	0.00	0.17	0.147	O	|	|	|	|	0.07
63.750	0.00	0.17	0.146	O	|	|	|	|	0.07
63.833	0.00	0.16	0.145	O	|	|	|	|	0.07
63.917	0.00	0.16	0.144	O	|	|	|	|	0.07
64.000	0.00	0.16	0.142	O	|	|	|	|	0.07
64.083	0.00	0.16	0.141	O	|	|	|	|	0.07
64.167	0.00	0.16	0.140	O	|	|	|	|	0.07
64.250	0.00	0.16	0.139	O	|	|	|	|	0.07
64.333	0.00	0.16	0.138	O	|	|	|	|	0.07
64.417	0.00	0.16	0.137	O	|	|	|	|	0.07
64.500	0.00	0.15	0.136	O	|	|	|	|	0.07
64.583	0.00	0.15	0.135	O	|	|	|	|	0.07
64.667	0.00	0.15	0.134	O	|	|	|	|	0.07
64.750	0.00	0.15	0.133	O	|	|	|	|	0.06
64.833	0.00	0.15	0.132	O	|	|	|	|	0.06
64.917	0.00	0.15	0.131	O	|	|	|	|	0.06
65.000	0.00	0.15	0.130	O	|	|	|	|	0.06
65.083	0.00	0.15	0.129	O	|	|	|	|	0.06
65.167	0.00	0.14	0.128	O	|	|	|	|	0.06
65.250	0.00	0.14	0.127	O	|	|	|	|	0.06
65.333	0.00	0.14	0.126	O	|	|	|	|	0.06
65.417	0.00	0.14	0.125	O	|	|	|	|	0.06
65.500	0.00	0.14	0.124	O	|	|	|	|	0.06
65.583	0.00	0.14	0.123	O	|	|	|	|	0.06
65.667	0.00	0.14	0.122	O	|	|	|	|	0.06
65.750	0.00	0.14	0.121	O	|	|	|	|	0.06
65.833	0.00	0.14	0.120	O	|	|	|	|	0.06
65.917	0.00	0.13	0.119	O	|	|	|	|	0.06
66.000	0.00	0.13	0.118	O	|	|	|	|	0.06
66.083	0.00	0.13	0.117	O	|	|	|	|	0.06
66.167	0.00	0.13	0.116	O	|	|	|	|	0.06
66.250	0.00	0.13	0.115	O	|	|	|	|	0.06
66.333	0.00	0.13	0.115	O	|	|	|	|	0.06
66.417	0.00	0.13	0.114	O	|	|	|	|	0.06
66.500	0.00	0.13	0.113	O	|	|	|	|	0.06
66.583	0.00	0.13	0.112	O	|	|	|	|	0.05
66.667	0.00	0.13	0.111	O	|	|	|	|	0.05
66.750	0.00	0.12	0.110	O	|	|	|	|	0.05
66.833	0.00	0.12	0.109	O	|	|	|	|	0.05
66.917	0.00	0.12	0.108	O	|	|	|	|	0.05
67.000	0.00	0.12	0.108	O	|	|	|	|	0.05
67.083	0.00	0.12	0.107	O	|	|	|	|	0.05
67.167	0.00	0.12	0.106	O	|	|	|	|	0.05
67.250	0.00	0.12	0.105	O	|	|	|	|	0.05
67.333	0.00	0.12	0.104	O	|	|	|	|	0.05
67.417	0.00	0.12	0.103	O	|	|	|	|	0.05
67.500	0.00	0.12	0.103	O	|	|	|	|	0.05
67.583	0.00	0.12	0.102	O	|	|	|	|	0.05
67.667	0.00	0.11	0.101	O	|	|	|	|	0.05
67.750	0.00	0.11	0.100	O	|	|	|	|	0.05
67.833	0.00	0.11	0.100	O	|	|	|	|	0.05
67.917	0.00	0.11	0.099	O	|	|	|	|	0.05
68.000	0.00	0.11	0.098	O	|	|	|	|	0.05

68.083	0.00	0.11	0.097	O	|	|	|	|	0.05
68.167	0.00	0.11	0.096	O	|	|	|	|	0.05
68.250	0.00	0.11	0.096	O	|	|	|	|	0.05
68.333	0.00	0.11	0.095	O	|	|	|	|	0.05
68.417	0.00	0.11	0.094	O	|	|	|	|	0.05
68.500	0.00	0.11	0.094	O	|	|	|	|	0.05
68.583	0.00	0.11	0.093	O	|	|	|	|	0.05
68.667	0.00	0.10	0.092	O	|	|	|	|	0.04
68.750	0.00	0.10	0.091	O	|	|	|	|	0.04
68.833	0.00	0.10	0.091	O	|	|	|	|	0.04
68.917	0.00	0.10	0.090	O	|	|	|	|	0.04
69.000	0.00	0.10	0.089	O	|	|	|	|	0.04
69.083	0.00	0.10	0.089	O	|	|	|	|	0.04
69.167	0.00	0.10	0.088	O	|	|	|	|	0.04
69.250	0.00	0.10	0.087	O	|	|	|	|	0.04
69.333	0.00	0.10	0.087	O	|	|	|	|	0.04
69.417	0.00	0.10	0.086	O	|	|	|	|	0.04
69.500	0.00	0.10	0.085	O	|	|	|	|	0.04
69.583	0.00	0.10	0.085	O	|	|	|	|	0.04
69.667	0.00	0.09	0.084	O	|	|	|	|	0.04
69.750	0.00	0.09	0.083	O	|	|	|	|	0.04
69.833	0.00	0.09	0.083	O	|	|	|	|	0.04
69.917	0.00	0.09	0.082	O	|	|	|	|	0.04
70.000	0.00	0.09	0.081	O	|	|	|	|	0.04
70.083	0.00	0.09	0.081	O	|	|	|	|	0.04
70.167	0.00	0.09	0.080	O	|	|	|	|	0.04
70.250	0.00	0.09	0.079	O	|	|	|	|	0.04
70.333	0.00	0.09	0.079	O	|	|	|	|	0.04
70.417	0.00	0.09	0.078	O	|	|	|	|	0.04
70.500	0.00	0.09	0.078	O	|	|	|	|	0.04
70.583	0.00	0.09	0.077	O	|	|	|	|	0.04
70.667	0.00	0.09	0.076	O	|	|	|	|	0.04
70.750	0.00	0.09	0.076	O	|	|	|	|	0.04
70.833	0.00	0.09	0.075	O	|	|	|	|	0.04
70.917	0.00	0.08	0.075	O	|	|	|	|	0.04
71.000	0.00	0.08	0.074	O	|	|	|	|	0.04
71.083	0.00	0.08	0.073	O	|	|	|	|	0.04
71.167	0.00	0.08	0.073	O	|	|	|	|	0.04
71.250	0.00	0.08	0.072	O	|	|	|	|	0.04
71.333	0.00	0.08	0.072	O	|	|	|	|	0.04
71.417	0.00	0.08	0.071	O	|	|	|	|	0.03
71.500	0.00	0.08	0.071	O	|	|	|	|	0.03
71.583	0.00	0.08	0.070	O	|	|	|	|	0.03
71.667	0.00	0.08	0.070	O	|	|	|	|	0.03
71.750	0.00	0.08	0.069	O	|	|	|	|	0.03
71.833	0.00	0.08	0.068	O	|	|	|	|	0.03
71.917	0.00	0.08	0.068	O	|	|	|	|	0.03
72.000	0.00	0.08	0.067	O	|	|	|	|	0.03
72.083	0.00	0.08	0.067	O	|	|	|	|	0.03
72.167	0.00	0.08	0.066	O	|	|	|	|	0.03
72.250	0.00	0.07	0.066	O	|	|	|	|	0.03
72.333	0.00	0.07	0.065	O	|	|	|	|	0.03
72.417	0.00	0.07	0.065	O	|	|	|	|	0.03
72.500	0.00	0.07	0.064	O	|	|	|	|	0.03
72.583	0.00	0.07	0.064	O	|	|	|	|	0.03
72.667	0.00	0.07	0.063	O	|	|	|	|	0.03
72.750	0.00	0.07	0.063	O	|	|	|	|	0.03
72.833	0.00	0.07	0.062	O	|	|	|	|	0.03
72.917	0.00	0.07	0.062	O	|	|	|	|	0.03
73.000	0.00	0.07	0.061	O	|	|	|	|	0.03
73.083	0.00	0.07	0.061	O	|	|	|	|	0.03
73.167	0.00	0.07	0.060	O	|	|	|	|	0.03
73.250	0.00	0.07	0.060	O	|	|	|	|	0.03
73.333	0.00	0.07	0.060	O	|	|	|	|	0.03
73.417	0.00	0.07	0.059	O	|	|	|	|	0.03
73.500	0.00	0.07	0.059	O	|	|	|	|	0.03
73.583	0.00	0.07	0.058	O	|	|	|	|	0.03
73.667	0.00	0.07	0.058	O	|	|	|	|	0.03

73.750	0.00	0.06	0.057	O	|	|	|	|	0.03
73.833	0.00	0.06	0.057	O	|	|	|	|	0.03
73.917	0.00	0.06	0.056	O	|	|	|	|	0.03
74.000	0.00	0.06	0.056	O	|	|	|	|	0.03
74.083	0.00	0.06	0.055	O	|	|	|	|	0.03
74.167	0.00	0.06	0.055	O	|	|	|	|	0.03
74.250	0.00	0.06	0.055	O	|	|	|	|	0.03
74.333	0.00	0.06	0.054	O	|	|	|	|	0.03
74.417	0.00	0.06	0.054	O	|	|	|	|	0.03
74.500	0.00	0.06	0.053	O	|	|	|	|	0.03
74.583	0.00	0.06	0.053	O	|	|	|	|	0.03
74.667	0.00	0.06	0.053	O	|	|	|	|	0.03
74.750	0.00	0.06	0.052	O	|	|	|	|	0.03
74.833	0.00	0.06	0.052	O	|	|	|	|	0.03
74.917	0.00	0.06	0.051	O	|	|	|	|	0.03
75.000	0.00	0.06	0.051	O	|	|	|	|	0.02
75.083	0.00	0.06	0.051	O	|	|	|	|	0.02
75.167	0.00	0.06	0.050	O	|	|	|	|	0.02
75.250	0.00	0.06	0.050	O	|	|	|	|	0.02
75.333	0.00	0.06	0.049	O	|	|	|	|	0.02
75.417	0.00	0.06	0.049	O	|	|	|	|	0.02
75.500	0.00	0.05	0.049	O	|	|	|	|	0.02
75.583	0.00	0.05	0.048	O	|	|	|	|	0.02
75.667	0.00	0.05	0.048	O	|	|	|	|	0.02
75.750	0.00	0.05	0.047	O	|	|	|	|	0.02
75.833	0.00	0.05	0.047	O	|	|	|	|	0.02
75.917	0.00	0.05	0.047	O	|	|	|	|	0.02
76.000	0.00	0.05	0.046	O	|	|	|	|	0.02
76.083	0.00	0.05	0.046	O	|	|	|	|	0.02
76.167	0.00	0.05	0.046	O	|	|	|	|	0.02
76.250	0.00	0.05	0.045	O	|	|	|	|	0.02
76.333	0.00	0.05	0.045	O	|	|	|	|	0.02
76.417	0.00	0.05	0.045	O	|	|	|	|	0.02
76.500	0.00	0.05	0.044	O	|	|	|	|	0.02
76.583	0.00	0.05	0.044	O	|	|	|	|	0.02
76.667	0.00	0.05	0.044	O	|	|	|	|	0.02
76.750	0.00	0.05	0.043	O	|	|	|	|	0.02
76.833	0.00	0.05	0.043	O	|	|	|	|	0.02
76.917	0.00	0.05	0.043	O	|	|	|	|	0.02
77.000	0.00	0.05	0.042	O	|	|	|	|	0.02
77.083	0.00	0.05	0.042	O	|	|	|	|	0.02
77.167	0.00	0.05	0.042	O	|	|	|	|	0.02
77.250	0.00	0.05	0.041	O	|	|	|	|	0.02
77.333	0.00	0.05	0.041	O	|	|	|	|	0.02
77.417	0.00	0.05	0.041	O	|	|	|	|	0.02
77.500	0.00	0.05	0.040	O	|	|	|	|	0.02
77.583	0.00	0.05	0.040	O	|	|	|	|	0.02
77.667	0.00	0.04	0.040	O	|	|	|	|	0.02
77.750	0.00	0.04	0.039	O	|	|	|	|	0.02
77.833	0.00	0.04	0.039	O	|	|	|	|	0.02
77.917	0.00	0.04	0.039	O	|	|	|	|	0.02
78.000	0.00	0.04	0.038	O	|	|	|	|	0.02
78.083	0.00	0.04	0.038	O	|	|	|	|	0.02
78.167	0.00	0.04	0.038	O	|	|	|	|	0.02
78.250	0.00	0.04	0.038	O	|	|	|	|	0.02
78.333	0.00	0.04	0.037	O	|	|	|	|	0.02
78.417	0.00	0.04	0.037	O	|	|	|	|	0.02
78.500	0.00	0.04	0.037	O	|	|	|	|	0.02
78.583	0.00	0.04	0.036	O	|	|	|	|	0.02
78.667	0.00	0.04	0.036	O	|	|	|	|	0.02
78.750	0.00	0.04	0.036	O	|	|	|	|	0.02
78.833	0.00	0.04	0.036	O	|	|	|	|	0.02
78.917	0.00	0.04	0.035	O	|	|	|	|	0.02
79.000	0.00	0.04	0.035	O	|	|	|	|	0.02
79.083	0.00	0.04	0.035	O	|	|	|	|	0.02
79.167	0.00	0.04	0.034	O	|	|	|	|	0.02
79.250	0.00	0.04	0.034	O	|	|	|	|	0.02
79.333	0.00	0.04	0.034	O	|	|	|	|	0.02

79.417	0.00	0.04	0.034	O	|	|	|	|	0.02
79.500	0.00	0.04	0.033	O	|	|	|	|	0.02
79.583	0.00	0.04	0.033	O	|	|	|	|	0.02
79.667	0.00	0.04	0.033	O	|	|	|	|	0.02
79.750	0.00	0.04	0.033	O	|	|	|	|	0.02
79.833	0.00	0.04	0.032	O	|	|	|	|	0.02
79.917	0.00	0.04	0.032	O	|	|	|	|	0.02
80.000	0.00	0.04	0.032	O	|	|	|	|	0.02
80.083	0.00	0.04	0.032	O	|	|	|	|	0.02
80.167	0.00	0.04	0.031	O	|	|	|	|	0.02
80.250	0.00	0.04	0.031	O	|	|	|	|	0.02
80.333	0.00	0.03	0.031	O	|	|	|	|	0.02
80.417	0.00	0.03	0.031	O	|	|	|	|	0.01
80.500	0.00	0.03	0.030	O	|	|	|	|	0.01
80.583	0.00	0.03	0.030	O	|	|	|	|	0.01
80.667	0.00	0.03	0.030	O	|	|	|	|	0.01
80.750	0.00	0.03	0.030	O	|	|	|	|	0.01
80.833	0.00	0.03	0.030	O	|	|	|	|	0.01
80.917	0.00	0.03	0.029	O	|	|	|	|	0.01
81.000	0.00	0.03	0.029	O	|	|	|	|	0.01
81.083	0.00	0.03	0.029	O	|	|	|	|	0.01
81.167	0.00	0.03	0.029	O	|	|	|	|	0.01
81.250	0.00	0.03	0.028	O	|	|	|	|	0.01
81.333	0.00	0.03	0.028	O	|	|	|	|	0.01
81.417	0.00	0.03	0.028	O	|	|	|	|	0.01
81.500	0.00	0.03	0.028	O	|	|	|	|	0.01
81.583	0.00	0.03	0.028	O	|	|	|	|	0.01
81.667	0.00	0.03	0.027	O	|	|	|	|	0.01
81.750	0.00	0.03	0.027	O	|	|	|	|	0.01
81.833	0.00	0.03	0.027	O	|	|	|	|	0.01
81.917	0.00	0.03	0.027	O	|	|	|	|	0.01
82.000	0.00	0.03	0.026	O	|	|	|	|	0.01
82.083	0.00	0.03	0.026	O	|	|	|	|	0.01
82.167	0.00	0.03	0.026	O	|	|	|	|	0.01
82.250	0.00	0.03	0.026	O	|	|	|	|	0.01
82.333	0.00	0.03	0.026	O	|	|	|	|	0.01
82.417	0.00	0.03	0.025	O	|	|	|	|	0.01
82.500	0.00	0.03	0.025	O	|	|	|	|	0.01
82.583	0.00	0.03	0.025	O	|	|	|	|	0.01
82.667	0.00	0.03	0.025	O	|	|	|	|	0.01
82.750	0.00	0.03	0.025	O	|	|	|	|	0.01
82.833	0.00	0.03	0.024	O	|	|	|	|	0.01
82.917	0.00	0.03	0.024	O	|	|	|	|	0.01
83.000	0.00	0.03	0.024	O	|	|	|	|	0.01
83.083	0.00	0.03	0.024	O	|	|	|	|	0.01
83.167	0.00	0.03	0.024	O	|	|	|	|	0.01
83.250	0.00	0.03	0.024	O	|	|	|	|	0.01
83.333	0.00	0.03	0.023	O	|	|	|	|	0.01
83.417	0.00	0.03	0.023	O	|	|	|	|	0.01
83.500	0.00	0.03	0.023	O	|	|	|	|	0.01
83.583	0.00	0.03	0.023	O	|	|	|	|	0.01
83.667	0.00	0.03	0.023	O	|	|	|	|	0.01
83.750	0.00	0.03	0.022	O	|	|	|	|	0.01
83.833	0.00	0.03	0.022	O	|	|	|	|	0.01
83.917	0.00	0.03	0.022	O	|	|	|	|	0.01
84.000	0.00	0.02	0.022	O	|	|	|	|	0.01
84.083	0.00	0.02	0.022	O	|	|	|	|	0.01
84.167	0.00	0.02	0.022	O	|	|	|	|	0.01
84.250	0.00	0.02	0.021	O	|	|	|	|	0.01
84.333	0.00	0.02	0.021	O	|	|	|	|	0.01
84.417	0.00	0.02	0.021	O	|	|	|	|	0.01
84.500	0.00	0.02	0.021	O	|	|	|	|	0.01
84.583	0.00	0.02	0.021	O	|	|	|	|	0.01
84.667	0.00	0.02	0.021	O	|	|	|	|	0.01
84.750	0.00	0.02	0.020	O	|	|	|	|	0.01
84.833	0.00	0.02	0.020	O	|	|	|	|	0.01
84.917	0.00	0.02	0.020	O	|	|	|	|	0.01
85.000	0.00	0.02	0.020	O	|	|	|	|	0.01

85.083	0.00	0.02	0.020	O	|	|	|	|	0.01
85.167	0.00	0.02	0.020	O	|	|	|	|	0.01
85.250	0.00	0.02	0.020	O	|	|	|	|	0.01
85.333	0.00	0.02	0.019	O	|	|	|	|	0.01
85.417	0.00	0.02	0.019	O	|	|	|	|	0.01
85.500	0.00	0.02	0.019	O	|	|	|	|	0.01
85.583	0.00	0.02	0.019	O	|	|	|	|	0.01
85.667	0.00	0.02	0.019	O	|	|	|	|	0.01
85.750	0.00	0.02	0.019	O	|	|	|	|	0.01
85.833	0.00	0.02	0.018	O	|	|	|	|	0.01
85.917	0.00	0.02	0.018	O	|	|	|	|	0.01
86.000	0.00	0.02	0.018	O	|	|	|	|	0.01
86.083	0.00	0.02	0.018	O	|	|	|	|	0.01
86.167	0.00	0.02	0.018	O	|	|	|	|	0.01
86.250	0.00	0.02	0.018	O	|	|	|	|	0.01
86.333	0.00	0.02	0.018	O	|	|	|	|	0.01
86.417	0.00	0.02	0.018	O	|	|	|	|	0.01
86.500	0.00	0.02	0.017	O	|	|	|	|	0.01
86.583	0.00	0.02	0.017	O	|	|	|	|	0.01
86.667	0.00	0.02	0.017	O	|	|	|	|	0.01
86.750	0.00	0.02	0.017	O	|	|	|	|	0.01
86.833	0.00	0.02	0.017	O	|	|	|	|	0.01
86.917	0.00	0.02	0.017	O	|	|	|	|	0.01
87.000	0.00	0.02	0.017	O	|	|	|	|	0.01
87.083	0.00	0.02	0.016	O	|	|	|	|	0.01
87.167	0.00	0.02	0.016	O	|	|	|	|	0.01
87.250	0.00	0.02	0.016	O	|	|	|	|	0.01
87.333	0.00	0.02	0.016	O	|	|	|	|	0.01
87.417	0.00	0.02	0.016	O	|	|	|	|	0.01
87.500	0.00	0.02	0.016	O	|	|	|	|	0.01
87.583	0.00	0.02	0.016	O	|	|	|	|	0.01
87.667	0.00	0.02	0.016	O	|	|	|	|	0.01
87.750	0.00	0.02	0.015	O	|	|	|	|	0.01
87.833	0.00	0.02	0.015	O	|	|	|	|	0.01
87.917	0.00	0.02	0.015	O	|	|	|	|	0.01
88.000	0.00	0.02	0.015	O	|	|	|	|	0.01
88.083	0.00	0.02	0.015	O	|	|	|	|	0.01
88.167	0.00	0.02	0.015	O	|	|	|	|	0.01
88.250	0.00	0.02	0.015	O	|	|	|	|	0.01
88.333	0.00	0.02	0.015	O	|	|	|	|	0.01
88.417	0.00	0.02	0.015	O	|	|	|	|	0.01
88.500	0.00	0.02	0.014	O	|	|	|	|	0.01
88.583	0.00	0.02	0.014	O	|	|	|	|	0.01
88.667	0.00	0.02	0.014	O	|	|	|	|	0.01
88.750	0.00	0.02	0.014	O	|	|	|	|	0.01
88.833	0.00	0.02	0.014	O	|	|	|	|	0.01
88.917	0.00	0.02	0.014	O	|	|	|	|	0.01
89.000	0.00	0.02	0.014	O	|	|	|	|	0.01
89.083	0.00	0.02	0.014	O	|	|	|	|	0.01
89.167	0.00	0.02	0.014	O	|	|	|	|	0.01
89.250	0.00	0.02	0.013	O	|	|	|	|	0.01
89.333	0.00	0.02	0.013	O	|	|	|	|	0.01
89.417	0.00	0.01	0.013	O	|	|	|	|	0.01
89.500	0.00	0.01	0.013	O	|	|	|	|	0.01
89.583	0.00	0.01	0.013	O	|	|	|	|	0.01
89.667	0.00	0.01	0.013	O	|	|	|	|	0.01
89.750	0.00	0.01	0.013	O	|	|	|	|	0.01
89.833	0.00	0.01	0.013	O	|	|	|	|	0.01
89.917	0.00	0.01	0.013	O	|	|	|	|	0.01
90.000	0.00	0.01	0.013	O	|	|	|	|	0.01
90.083	0.00	0.01	0.012	O	|	|	|	|	0.01
90.167	0.00	0.01	0.012	O	|	|	|	|	0.01
90.250	0.00	0.01	0.012	O	|	|	|	|	0.01
90.333	0.00	0.01	0.012	O	|	|	|	|	0.01
90.417	0.00	0.01	0.012	O	|	|	|	|	0.01
90.500	0.00	0.01	0.012	O	|	|	|	|	0.01
90.583	0.00	0.01	0.012	O	|	|	|	|	0.01
90.667	0.00	0.01	0.012	O	|	|	|	|	0.01

90.750	0.00	0.01	0.012	O	|	|	|	|	0.01
90.833	0.00	0.01	0.012	O	|	|	|	|	0.01
90.917	0.00	0.01	0.011	O	|	|	|	|	0.01
91.000	0.00	0.01	0.011	O	|	|	|	|	0.01
91.083	0.00	0.01	0.011	O	|	|	|	|	0.01
91.167	0.00	0.01	0.011	O	|	|	|	|	0.01
91.250	0.00	0.01	0.011	O	|	|	|	|	0.01
91.333	0.00	0.01	0.011	O	|	|	|	|	0.01
91.417	0.00	0.01	0.011	O	|	|	|	|	0.01
91.500	0.00	0.01	0.011	O	|	|	|	|	0.01
91.583	0.00	0.01	0.011	O	|	|	|	|	0.01
91.667	0.00	0.01	0.011	O	|	|	|	|	0.01
91.750	0.00	0.01	0.011	O	|	|	|	|	0.01
91.833	0.00	0.01	0.011	O	|	|	|	|	0.01
91.917	0.00	0.01	0.010	O	|	|	|	|	0.01
92.000	0.00	0.01	0.010	O	|	|	|	|	0.01
92.083	0.00	0.01	0.010	O	|	|	|	|	0.01
92.167	0.00	0.01	0.010	O	|	|	|	|	0.00
92.250	0.00	0.01	0.010	O	|	|	|	|	0.00
92.333	0.00	0.01	0.010	O	|	|	|	|	0.00
92.417	0.00	0.01	0.010	O	|	|	|	|	0.00
92.500	0.00	0.01	0.010	O	|	|	|	|	0.00
92.583	0.00	0.01	0.010	O	|	|	|	|	0.00
92.667	0.00	0.01	0.010	O	|	|	|	|	0.00
92.750	0.00	0.01	0.010	O	|	|	|	|	0.00
92.833	0.00	0.01	0.010	O	|	|	|	|	0.00
92.917	0.00	0.01	0.010	O	|	|	|	|	0.00
93.000	0.00	0.01	0.009	O	|	|	|	|	0.00
93.083	0.00	0.01	0.009	O	|	|	|	|	0.00
93.167	0.00	0.01	0.009	O	|	|	|	|	0.00
93.250	0.00	0.01	0.009	O	|	|	|	|	0.00
93.333	0.00	0.01	0.009	O	|	|	|	|	0.00
93.417	0.00	0.01	0.009	O	|	|	|	|	0.00
93.500	0.00	0.01	0.009	O	|	|	|	|	0.00
93.583	0.00	0.01	0.009	O	|	|	|	|	0.00
93.667	0.00	0.01	0.009	O	|	|	|	|	0.00
93.750	0.00	0.01	0.009	O	|	|	|	|	0.00
93.833	0.00	0.01	0.009	O	|	|	|	|	0.00
93.917	0.00	0.01	0.009	O	|	|	|	|	0.00
94.000	0.00	0.01	0.009	O	|	|	|	|	0.00
94.083	0.00	0.01	0.009	O	|	|	|	|	0.00
94.167	0.00	0.01	0.008	O	|	|	|	|	0.00
94.250	0.00	0.01	0.008	O	|	|	|	|	0.00
94.333	0.00	0.01	0.008	O	|	|	|	|	0.00
94.417	0.00	0.01	0.008	O	|	|	|	|	0.00
94.500	0.00	0.01	0.008	O	|	|	|	|	0.00
94.583	0.00	0.01	0.008	O	|	|	|	|	0.00
94.667	0.00	0.01	0.008	O	|	|	|	|	0.00
94.750	0.00	0.01	0.008	O	|	|	|	|	0.00
94.833	0.00	0.01	0.008	O	|	|	|	|	0.00
94.917	0.00	0.01	0.008	O	|	|	|	|	0.00
95.000	0.00	0.01	0.008	O	|	|	|	|	0.00
95.083	0.00	0.01	0.008	O	|	|	|	|	0.00
95.167	0.00	0.01	0.008	O	|	|	|	|	0.00
95.250	0.00	0.01	0.008	O	|	|	|	|	0.00
95.333	0.00	0.01	0.008	O	|	|	|	|	0.00
95.417	0.00	0.01	0.008	O	|	|	|	|	0.00
95.500	0.00	0.01	0.007	O	|	|	|	|	0.00
95.583	0.00	0.01	0.007	O	|	|	|	|	0.00
95.667	0.00	0.01	0.007	O	|	|	|	|	0.00
95.750	0.00	0.01	0.007	O	|	|	|	|	0.00
95.833	0.00	0.01	0.007	O	|	|	|	|	0.00
95.917	0.00	0.01	0.007	O	|	|	|	|	0.00
96.000	0.00	0.01	0.007	O	|	|	|	|	0.00
96.083	0.00	0.01	0.007	O	|	|	|	|	0.00
96.167	0.00	0.01	0.007	O	|	|	|	|	0.00
96.250	0.00	0.01	0.007	O	|	|	|	|	0.00
96.333	0.00	0.01	0.007	O	|	|	|	|	0.00

96.417	0.00	0.01	0.007	O	|	|	|	|	0.00
96.500	0.00	0.01	0.007	O	|	|	|	|	0.00
96.583	0.00	0.01	0.007	O	|	|	|	|	0.00
96.667	0.00	0.01	0.007	O	|	|	|	|	0.00
96.750	0.00	0.01	0.007	O	|	|	|	|	0.00
96.833	0.00	0.01	0.007	O	|	|	|	|	0.00
96.917	0.00	0.01	0.007	O	|	|	|	|	0.00
97.000	0.00	0.01	0.007	O	|	|	|	|	0.00
97.083	0.00	0.01	0.006	O	|	|	|	|	0.00
97.167	0.00	0.01	0.006	O	|	|	|	|	0.00
97.250	0.00	0.01	0.006	O	|	|	|	|	0.00
97.333	0.00	0.01	0.006	O	|	|	|	|	0.00
97.417	0.00	0.01	0.006	O	|	|	|	|	0.00
97.500	0.00	0.01	0.006	O	|	|	|	|	0.00
97.583	0.00	0.01	0.006	O	|	|	|	|	0.00
97.667	0.00	0.01	0.006	O	|	|	|	|	0.00
97.750	0.00	0.01	0.006	O	|	|	|	|	0.00
97.833	0.00	0.01	0.006	O	|	|	|	|	0.00
97.917	0.00	0.01	0.006	O	|	|	|	|	0.00
98.000	0.00	0.01	0.006	O	|	|	|	|	0.00
98.083	0.00	0.01	0.006	O	|	|	|	|	0.00
98.167	0.00	0.01	0.006	O	|	|	|	|	0.00
98.250	0.00	0.01	0.006	O	|	|	|	|	0.00
98.333	0.00	0.01	0.006	O	|	|	|	|	0.00
98.417	0.00	0.01	0.006	O	|	|	|	|	0.00
98.500	0.00	0.01	0.006	O	|	|	|	|	0.00
98.583	0.00	0.01	0.006	O	|	|	|	|	0.00
98.667	0.00	0.01	0.006	O	|	|	|	|	0.00
98.750	0.00	0.01	0.006	O	|	|	|	|	0.00
98.833	0.00	0.01	0.005	O	|	|	|	|	0.00
98.917	0.00	0.01	0.005	O	|	|	|	|	0.00
99.000	0.00	0.01	0.005	O	|	|	|	|	0.00
99.083	0.00	0.01	0.005	O	|	|	|	|	0.00
99.167	0.00	0.01	0.005	O	|	|	|	|	0.00
99.250	0.00	0.01	0.005	O	|	|	|	|	0.00
99.333	0.00	0.01	0.005	O	|	|	|	|	0.00
99.417	0.00	0.01	0.005	O	|	|	|	|	0.00
99.500	0.00	0.01	0.005	O	|	|	|	|	0.00
99.583	0.00	0.01	0.005	O	|	|	|	|	0.00
99.667	0.00	0.01	0.005	O	|	|	|	|	0.00
99.750	0.00	0.01	0.005	O	|	|	|	|	0.00
99.833	0.00	0.01	0.005	O	|	|	|	|	0.00
99.917	0.00	0.01	0.005	O	|	|	|	|	0.00
100.000	0.00	0.01	0.005	O	|	|	|	|	0.00
100.083	0.00	0.01	0.005	O	|	|	|	|	0.00
100.167	0.00	0.01	0.005	O	|	|	|	|	0.00
100.250	0.00	0.01	0.005	O	|	|	|	|	0.00
100.333	0.00	0.01	0.005	O	|	|	|	|	0.00
100.417	0.00	0.01	0.005	O	|	|	|	|	0.00
100.500	0.00	0.01	0.005	O	|	|	|	|	0.00
100.583	0.00	0.01	0.005	O	|	|	|	|	0.00
100.667	0.00	0.01	0.005	O	|	|	|	|	0.00
100.750	0.00	0.01	0.005	O	|	|	|	|	0.00
100.833	0.00	0.01	0.005	O	|	|	|	|	0.00
100.917	0.00	0.01	0.005	O	|	|	|	|	0.00
101.000	0.00	0.01	0.004	O	|	|	|	|	0.00
101.083	0.00	0.01	0.004	O	|	|	|	|	0.00
101.167	0.00	0.00	0.004	O	|	|	|	|	0.00
101.250	0.00	0.00	0.004	O	|	|	|	|	0.00
101.333	0.00	0.00	0.004	O	|	|	|	|	0.00
101.417	0.00	0.00	0.004	O	|	|	|	|	0.00
101.500	0.00	0.00	0.004	O	|	|	|	|	0.00
101.583	0.00	0.00	0.004	O	|	|	|	|	0.00
101.667	0.00	0.00	0.004	O	|	|	|	|	0.00
101.750	0.00	0.00	0.004	O	|	|	|	|	0.00
101.833	0.00	0.00	0.004	O	|	|	|	|	0.00
101.917	0.00	0.00	0.004	O	|	|	|	|	0.00
102.000	0.00	0.00	0.004	O	|	|	|	|	0.00

102.083	0.00	0.00	0.004	O					0.00
102.167	0.00	0.00	0.004	O					0.00
102.250	0.00	0.00	0.004	O					0.00
102.333	0.00	0.00	0.004	O					0.00
102.417	0.00	0.00	0.004	O					0.00
102.500	0.00	0.00	0.004	O					0.00
102.583	0.00	0.00	0.004	O					0.00
102.667	0.00	0.00	0.004	O					0.00
102.750	0.00	0.00	0.004	O					0.00
102.833	0.00	0.00	0.004	O					0.00
102.917	0.00	0.00	0.004	O					0.00
103.000	0.00	0.00	0.004	O					0.00
103.083	0.00	0.00	0.004	O					0.00
103.167	0.00	0.00	0.004	O					0.00
103.250	0.00	0.00	0.004	O					0.00
103.333	0.00	0.00	0.004	O					0.00
103.417	0.00	0.00	0.004	O					0.00
103.500	0.00	0.00	0.004	O					0.00
103.583	0.00	0.00	0.004	O					0.00
103.667	0.00	0.00	0.003	O					0.00
103.750	0.00	0.00	0.003	O					0.00
103.833	0.00	0.00	0.003	O					0.00
103.917	0.00	0.00	0.003	O					0.00
104.000	0.00	0.00	0.003	O					0.00
104.083	0.00	0.00	0.003	O					0.00
104.167	0.00	0.00	0.003	O					0.00
104.250	0.00	0.00	0.003	O					0.00
104.333	0.00	0.00	0.003	O					0.00
104.417	0.00	0.00	0.003	O					0.00
104.500	0.00	0.00	0.003	O					0.00
104.583	0.00	0.00	0.003	O					0.00
104.667	0.00	0.00	0.003	O					0.00
104.750	0.00	0.00	0.003	O					0.00
104.833	0.00	0.00	0.003	O					0.00
104.917	0.00	0.00	0.003	O					0.00
105.000	0.00	0.00	0.003	O					0.00
105.083	0.00	0.00	0.003	O					0.00
105.167	0.00	0.00	0.003	O					0.00
105.250	0.00	0.00	0.003	O					0.00
105.333	0.00	0.00	0.003	O					0.00
105.417	0.00	0.00	0.003	O					0.00
105.500	0.00	0.00	0.003	O					0.00
105.583	0.00	0.00	0.003	O					0.00
105.667	0.00	0.00	0.003	O					0.00
105.750	0.00	0.00	0.003	O					0.00
105.833	0.00	0.00	0.003	O					0.00
105.917	0.00	0.00	0.003	O					0.00
106.000	0.00	0.00	0.003	O					0.00
106.083	0.00	0.00	0.003	O					0.00
106.167	0.00	0.00	0.003	O					0.00
106.250	0.00	0.00	0.003	O					0.00
106.333	0.00	0.00	0.003	O					0.00
106.417	0.00	0.00	0.003	O					0.00
106.500	0.00	0.00	0.003	O					0.00
106.583	0.00	0.00	0.003	O					0.00
106.667	0.00	0.00	0.003	O					0.00
106.750	0.00	0.00	0.003	O					0.00
106.833	0.00	0.00	0.003	O					0.00
106.917	0.00	0.00	0.003	O					0.00
107.000	0.00	0.00	0.003	O					0.00
107.083	0.00	0.00	0.003	O					0.00
107.167	0.00	0.00	0.003	O					0.00
107.250	0.00	0.00	0.002	O					0.00
107.333	0.00	0.00	0.002	O					0.00
107.417	0.00	0.00	0.002	O					0.00
107.500	0.00	0.00	0.002	O					0.00
107.583	0.00	0.00	0.002	O					0.00
107.667	0.00	0.00	0.002	O					0.00

107.750	0.00	0.00	0.002	O	|	|	|	|	0.00
107.833	0.00	0.00	0.002	O	|	|	|	|	0.00
107.917	0.00	0.00	0.002	O	|	|	|	|	0.00
108.000	0.00	0.00	0.002	O	|	|	|	|	0.00
108.083	0.00	0.00	0.002	O	|	|	|	|	0.00
108.167	0.00	0.00	0.002	O	|	|	|	|	0.00
108.250	0.00	0.00	0.002	O	|	|	|	|	0.00
108.333	0.00	0.00	0.002	O	|	|	|	|	0.00
108.417	0.00	0.00	0.002	O	|	|	|	|	0.00
108.500	0.00	0.00	0.002	O	|	|	|	|	0.00
108.583	0.00	0.00	0.002	O	|	|	|	|	0.00
108.667	0.00	0.00	0.002	O	|	|	|	|	0.00
108.750	0.00	0.00	0.002	O	|	|	|	|	0.00
108.833	0.00	0.00	0.002	O	|	|	|	|	0.00
108.917	0.00	0.00	0.002	O	|	|	|	|	0.00
109.000	0.00	0.00	0.002	O	|	|	|	|	0.00
109.083	0.00	0.00	0.002	O	|	|	|	|	0.00
109.167	0.00	0.00	0.002	O	|	|	|	|	0.00
109.250	0.00	0.00	0.002	O	|	|	|	|	0.00
109.333	0.00	0.00	0.002	O	|	|	|	|	0.00
109.417	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1313
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 161.578 (CFS)
Total volume = 24.329 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 01/08/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRB24100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 299
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 110.251 (CFS)
Total volume = 53.840 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN B- ROUTING
100YR-24HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 299
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	2.050	2.320	2.042	2.058
2.000	4.240	3.490	4.228	4.252
3.000	6.570	4.360	6.555	6.585
4.000	9.040	5.080	9.023	9.057
5.000	11.650	5.710	11.630	11.670
6.000	14.410	127.850	13.970	14.850
7.000	17.320	320.000	16.218	18.422
8.000	20.370	563.910	18.428	22.312
9.000	23.580	930.190	20.377	26.783
10.000	26.950	1399.580	22.131	31.769
11.000	30.500	1945.140	23.802	37.198

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	27.6	55.13	82.69	110.25 (Ft.) Depth

0.083	0.41	0.00	0.001	O	|	|	|	0.00
0.167	1.90	0.01	0.009	O	|	|	|	0.00
0.250	2.72	0.03	0.025	O	|	|	|	0.01
0.333	3.24	0.05	0.045	O	|	|	|	0.02
0.417	4.18	0.08	0.070	OI	|	|	|	0.03
0.500	4.72	0.11	0.100	OI	|	|	|	0.05
0.583	4.96	0.15	0.133	OI	|	|	|	0.06
0.667	5.13	0.19	0.166	OI	|	|	|	0.08
0.750	5.24	0.23	0.201	OI	|	|	|	0.10
0.833	5.51	0.27	0.236	OI	|	|	|	0.12
0.917	6.32	0.31	0.275	OI	|	|	|	0.13
1.000	6.77	0.36	0.317	OI	|	|	|	0.15
1.083	6.74	0.41	0.361	OI	|	|	|	0.18
1.167	6.10	0.46	0.403	OI	|	|	|	0.20
1.250	5.77	0.50	0.440	OI	|	|	|	0.21
1.333	5.65	0.54	0.476	OI	|	|	|	0.23
1.417	5.59	0.58	0.511	OI	|	|	|	0.25
1.500	5.55	0.62	0.545	OI	|	|	|	0.27
1.583	5.52	0.65	0.579	OI	|	|	|	0.28
1.667	5.50	0.69	0.612	OI	|	|	|	0.30
1.750	5.48	0.73	0.645	OI	|	|	|	0.31
1.833	5.67	0.77	0.678	OI	|	|	|	0.33
1.917	6.40	0.81	0.714	OI	|	|	|	0.35
2.000	6.80	0.85	0.754	OI	|	|	|	0.37
2.083	6.96	0.90	0.795	O I	|	|	|	0.39
2.167	7.06	0.95	0.837	O I	|	|	|	0.41
2.250	7.13	1.00	0.880	O I	|	|	|	0.43
2.333	7.17	1.04	0.922	O I	|	|	|	0.45
2.417	7.20	1.09	0.964	O I	|	|	|	0.47
2.500	7.23	1.14	1.006	O I	|	|	|	0.49
2.583	7.44	1.19	1.048	O I	|	|	|	0.51
2.667	8.20	1.24	1.094	O I	|	|	|	0.53
2.750	8.62	1.29	1.143	O I	|	|	|	0.56
2.833	8.78	1.35	1.194	O I	|	|	|	0.58
2.917	8.88	1.41	1.245	O I	|	|	|	0.61
3.000	8.94	1.47	1.297	O I	|	|	|	0.63
3.083	8.98	1.53	1.348	O I	|	|	|	0.66
3.167	9.02	1.58	1.399	O I	|	|	|	0.68
3.250	9.04	1.64	1.450	O I	|	|	|	0.71
3.333	9.06	1.70	1.501	O I	|	|	|	0.73
3.417	9.07	1.76	1.552	O I	|	|	|	0.76
3.500	9.08	1.81	1.602	O I	|	|	|	0.78
3.583	9.08	1.87	1.652	O I	|	|	|	0.81
3.667	9.08	1.93	1.701	O I	|	|	|	0.83
3.750	9.08	1.98	1.750	O I	|	|	|	0.85
3.833	9.28	2.04	1.800	O I	|	|	|	0.88
3.917	10.03	2.10	1.852	O I	|	|	|	0.90
4.000	10.43	2.16	1.908	O I	|	|	|	0.93
4.083	10.60	2.22	1.965	O I	|	|	|	0.96
4.167	10.69	2.29	2.023	O I	|	|	|	0.99
4.250	10.76	2.34	2.081	O I	|	|	|	1.01
4.333	11.00	2.37	2.140	O I	|	|	|	1.04
4.417	11.78	2.40	2.202	O I	|	|	|	1.07
4.500	12.21	2.44	2.268	O I	|	|	|	1.10
4.583	12.39	2.47	2.335	O I	|	|	|	1.13
4.667	12.50	2.51	2.404	O I	|	|	|	1.16
4.750	12.57	2.55	2.473	O I	|	|	|	1.19
4.833	12.82	2.58	2.543	O I	|	|	|	1.22
4.917	13.60	2.62	2.616	O I	|	|	|	1.26
5.000	14.03	2.66	2.693	O I	|	|	|	1.29
5.083	13.80	2.70	2.770	O I	|	|	|	1.33
5.167	12.41	2.74	2.841	O I	|	|	|	1.36
5.250	11.67	2.78	2.905	O I	|	|	|	1.39
5.333	11.60	2.81	2.966	O I	|	|	|	1.42
5.417	12.18	2.84	3.029	O I	|	|	|	1.45
5.500	12.49	2.88	3.094	O I	|	|	|	1.48
5.583	12.78	2.91	3.161	O I	|	|	|	1.51
5.667	13.57	2.95	3.232	O I	|	|	|	1.54

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 5.750   14.00    2.99      3.306  O   I   |       |       |       |     1.57
 5.833   14.17    3.03      3.382  O   I   |       |       |       |     1.61
 5.917   14.28    3.07      3.459  O   I   |       |       |       |     1.64
 6.000   14.35    3.11      3.537  O   I   |       |       |       |     1.68
 6.083   14.61    3.16      3.615  O   I   |       |       |       |     1.71
 6.167   15.41    3.20      3.696  O   I   |       |       |       |     1.75
 6.250   15.84    3.25      3.782  O   I   |       |       |       |     1.79
 6.333   16.02    3.29      3.869  O   I   |       |       |       |     1.83
 6.417   16.13    3.34      3.957  O   I   |       |       |       |     1.87
 6.500   16.20    3.39      4.045  O   I   |       |       |       |     1.91
 6.583   16.45    3.43      4.134  O   I   |       |       |       |     1.95
 6.667   17.23    3.48      4.226  |O   I  |       |       |       |     1.99
 6.750   17.66    3.52      4.322  |O   I  |       |       |       |     2.04
 6.833   17.84    3.56      4.420  |O   I  |       |       |       |     2.08
 6.917   17.95    3.59      4.519  |O   I  |       |       |       |     2.12
 7.000   18.02    3.63      4.618  |O   I  |       |       |       |     2.16
 7.083   18.06    3.67      4.717  |O   I  |       |       |       |     2.20
 7.167   18.09    3.70      4.816  |O   I  |       |       |       |     2.25
 7.250   18.12    3.74      4.915  |O   I  |       |       |       |     2.29
 7.333   18.34    3.78      5.014  |O   I  |       |       |       |     2.33
 7.417   19.10    3.82      5.117  |O   I  |       |       |       |     2.38
 7.500   19.51    3.86      5.224  |O   I  |       |       |       |     2.42
 7.583   19.88    3.90      5.333  |O   I  |       |       |       |     2.47
 7.667   20.75    3.94      5.446  |O    I |       |       |       |     2.52
 7.750   21.29    3.98      5.563  |O    I |       |       |       |     2.57
 7.833   22.00    4.03      5.684  |O    I |       |       |       |     2.62
 7.917   23.78    4.08      5.814  |O    I |       |       |       |     2.68
 8.000   24.81    4.13      5.953  |O     I|       |       |       |     2.74
 8.083   26.15    4.18      6.100  |O     I|       |       |       |     2.80
 8.167   29.61    4.25      6.263  |O      I       |       |       |     2.87
 8.250   31.58    4.31      6.444  |O       |I     |       |       |     2.95
 8.333   32.45    4.38      6.635  |O       |I     |       |       |     3.03
 8.417   33.05    4.44      6.830  |O       |I     |       |       |     3.11
 8.500   33.48    4.49      7.028  |O       |I     |       |       |     3.19
 8.583   34.22    4.55      7.230  |O       |I     |       |       |     3.27
 8.667   36.05    4.61      7.441  |O       | I    |       |       |     3.35
 8.750   37.11    4.68      7.661  |O       | I    |       |       |     3.44
 8.833   38.04    4.74      7.887  |O       |  I   |       |       |     3.53
 8.917   39.96    4.81      8.123  |O       |  I   |       |       |     3.63
 9.000   41.08    4.88      8.368  |O       |  I   |       |       |     3.73
 9.083   42.45    4.96      8.622  |O       |   I  |       |       |     3.83
 9.167   45.94    5.04      8.892  |O       |    I |       |       |     3.94
 9.250   47.92    5.11      9.180  |O       |    I |       |       |     4.05
 9.333   49.24    5.19      9.479  |O       |     I|       |       |     4.17
 9.417   51.40    5.26      9.790  |O       |     I|       |       |     4.29
 9.500   52.68    5.34     10.112  |O       |      I       |       |     4.41
 9.583   53.75    5.42     10.441  |O       |      I       |       |     4.54
 9.667   55.78    5.50     10.781  |O       |       I      |       |     4.67
 9.750   56.98    5.58     11.131  |O       |       I      |       |     4.80
 9.833   57.99    5.67     11.488  |O       |       I      |       |     4.94
 9.917   59.97   13.59     11.828  |  O     |        |I    |       |     5.06
10.000   61.14   26.01     12.109  |      O |        |I    |       |     5.17
10.083   58.74   34.98     12.311  |        | O      |I    |       |     5.24
10.167   48.23   39.88     12.422  |        |  O I   |     |       |     5.28
10.250   42.59   41.34     12.455  |        |  OI    |     |       |     5.29
10.333   40.48   41.39     12.456  |        |  IO    |     |       |     5.29
10.417   39.26   40.99     12.447  |        |  O     |     |       |     5.29
10.500   38.49   40.43     12.435  |        |  O     |     |       |     5.28
10.583   40.10   40.13     12.428  |        |  O     |     |       |     5.28
10.667   47.53   41.10     12.450  |        |  O I   |     |       |     5.29
10.750   51.54   43.33     12.500  |        |   O I  |     |       |     5.31
10.833   53.08   45.71     12.554  |        |    O I |     |       |     5.33
10.917   53.99   47.78     12.601  |        |    O I |     |       |     5.34
11.000   54.64   49.51     12.640  |        |     OI |     |       |     5.36
11.083   54.77   50.88     12.671  |        |     OI |     |       |     5.37
11.167   53.65   51.76     12.691  |        |      O |     |       |     5.38
11.250   53.14   52.19     12.700  |        |      O |     |       |     5.38
11.333   53.07   52.44     12.706  |        |      O |     |       |     5.38
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11.417	53.10	52.61	12.710	|	|	O|	|	|	5.38
11.500	53.14	52.74	12.713	|	|	O|	|	|	5.39
11.583	52.30	52.74	12.713	|	|	O|	|	|	5.39
11.667	49.21	52.21	12.701	|	|	IO|	|	|	5.38
11.750	47.56	51.20	12.678	|	|	IO |	|	|	5.37
11.833	47.37	50.21	12.656	|	|	IO |	|	|	5.36
11.917	48.59	49.62	12.642	|	|	O |	|	|	5.36
12.000	49.25	49.44	12.638	|	|	O |	|	|	5.36
12.083	52.45	49.81	12.647	|	|	OI|	|	|	5.36
12.167	63.51	51.97	12.695	|	|	O| I	|	|	5.38
12.250	69.57	55.83	12.782	|	|	O I	|	|	5.41
12.333	72.45	59.84	12.873	|	|	|O I	|	|	5.44
12.417	75.53	63.58	12.958	|	|	O I	|	|	5.47
12.500	77.41	66.99	13.035	|	|	O I	|	|	5.50
12.583	79.35	70.00	13.103	|	|	O I|	|	|	5.53
12.667	83.27	72.99	13.170	|	|	O I	|	|	5.55
12.750	85.54	76.01	13.239	|	|	O I	|	|	5.58
12.833	87.04	78.73	13.300	|	|	O |I	|	|	5.60
12.917	89.36	81.23	13.357	|	|	O|I	|	|	5.62
13.000	90.72	83.56	13.409	|	|	O I	|	|	5.64
13.083	93.47	85.82	13.460	|	|	O I	|	|	5.66
13.167	101.71	88.93	13.531	|	|	|O I	|	|	5.68
13.250	106.28	92.92	13.621	|	|	| O I	|	|	5.71
13.333	108.20	96.70	13.706	|	|	| O I|	|	|	5.75
13.417	109.42	99.91	13.779	|	|	| O I|	|	|	5.77
13.500	110.25	102.53	13.838	|	|	| O I	|	|	5.79
13.583	106.17	**104.03**	**13.872**	|	|	| **O** |	|	**5.81**
13.667	89.50	102.39	13.835	|	|	|I O	|	|	5.79
13.750	80.51	97.80	13.731	|	|	I| O	|	|	5.75
13.833	77.09	92.77	13.617	|	|	I | O	|	|	5.71
13.917	75.09	88.36	13.518	|	|	I |O	|	|	5.68
14.000	73.79	84.68	13.434	|	|	I O	|	|	5.65
14.083	74.57	81.90	13.372	|	|	I O|	|	|	5.62
14.167	80.12	80.70	13.344	|	|	O|	|	|	5.61
14.250	83.06	80.93	13.350	|	|	OI	|	|	5.62
14.333	83.69	81.58	13.364	|	|	OI	|	|	5.62
14.417	82.72	82.01	13.374	|	|	OI	|	|	5.62
14.500	82.31	82.14	13.377	|	|	O|	|	|	5.63
14.583	82.42	82.20	13.378	|	|	O|	|	|	5.63
14.667	82.57	82.28	13.380	|	|	O|	|	|	5.63
14.750	82.72	82.38	13.382	|	|	OI	|	|	5.63
14.833	82.42	82.43	13.384	|	|	O|	|	|	5.63
14.917	80.98	82.23	13.379	|	|	O|	|	|	5.63
15.000	80.23	81.80	13.369	|	|	O|	|	|	5.62
15.083	79.51	81.29	13.358	|	|	O|	|	|	5.62
15.167	77.80	80.60	13.342	|	|	IO|	|	|	5.61
15.250	76.89	79.74	13.323	|	|	IO|	|	|	5.61
15.333	76.12	78.88	13.303	|	|	O |	|	|	5.60
15.417	74.36	77.92	13.282	|	|	IO |	|	|	5.59
15.500	73.41	76.85	13.258	|	|	IO |	|	|	5.58
15.583	71.34	75.67	13.231	|	|	IO |	|	|	5.57
15.667	64.89	73.67	13.186	|	|	I O |	|	|	5.56
15.750	61.37	70.88	13.123	|	|	I O |	|	|	5.53
15.833	59.99	68.18	13.062	|	|	I O |	|	|	5.51
15.917	59.16	65.91	13.010	|	|	I O |	|	|	5.49
16.000	58.64	64.05	12.968	|	|	IO |	|	|	5.48
16.083	52.68	61.83	12.918	|	|	I|O |	|	|	5.46
16.167	31.70	56.64	12.801	|	|I	O |	|	|	5.42
16.250	20.23	48.52	12.617	|	I |	O |	|	|	5.35
16.333	15.67	40.44	12.435	|	I |	O |	|	|	5.28
16.417	12.87	33.52	12.278	|	I |	|O |	|	|	5.23
16.500	11.04	27.81	12.149	|	I |	O |	|	|	5.18
16.583	9.64	23.19	12.045	|	I |	O |	|	|	5.14
16.667	7.98	19.39	11.959	|	I |	O |	|	|	5.11
16.750	6.92	16.23	11.888	|	I O |	|	|	|	5.09
16.833	6.32	13.69	11.830	|	|I O |	|	|	|	5.07
16.917	5.86	11.68	11.785	|	|I O |	|	|	|	5.05
17.000	5.58	10.10	11.749	|	|IO |	|	|	|	5.04

17.083	5.95	8.96	11.723	IO				5.03
17.167	7.41	8.35	11.710	O				5.02
17.250	8.20	8.21	11.706	O				5.02
17.333	8.50	8.25	11.707	O				5.02
17.417	8.68	8.34	11.709	O				5.02
17.500	8.80	8.45	11.712	O				5.02
17.583	8.89	8.55	11.714	O				5.02
17.667	8.96	8.65	11.716	O				5.02
17.750	9.00	8.74	11.718	O				5.02
17.833	8.83	8.79	11.719	O				5.03
17.917	8.11	8.70	11.718	O				5.02
18.000	7.72	8.49	11.713	O				5.02
18.083	7.56	8.27	11.708	O				5.02
18.167	7.46	8.07	11.703	O				5.02
18.250	7.40	7.90	11.699	O				5.02
18.333	7.36	7.76	11.696	O				5.02
18.417	7.32	7.65	11.694	O				5.02
18.500	7.30	7.56	11.692	O				5.02
18.583	7.08	7.46	11.690	O				5.01
18.667	6.32	7.26	11.685	IO				5.01
18.750	5.90	6.96	11.678	IO				5.01
18.833	5.54	6.63	11.671	O				5.01
18.917	4.70	6.23	11.662	O				5.00
19.000	4.23	5.76	11.651	O				5.00
19.083	4.23	5.71	11.641	O				5.00
19.167	4.84	5.71	11.633	O				4.99
19.250	5.16	5.70	11.628	O				4.99
19.333	5.47	5.70	11.625	O				4.99
19.417	6.26	5.70	11.626	O				4.99
19.500	6.70	5.71	11.632	O				4.99
19.583	6.69	5.71	11.638	O				5.00
19.667	6.06	5.71	11.643	O				5.00
19.750	5.73	5.71	11.644	O				5.00
19.833	5.43	5.71	11.643	O				5.00
19.917	4.63	5.71	11.639	O				5.00
20.000	4.19	5.71	11.630	O				4.99
20.083	4.20	5.70	11.619	O				4.99
20.167	4.83	5.70	11.611	O				4.99
20.250	5.16	5.70	11.606	O				4.98
20.333	5.26	5.70	11.603	O				4.98
20.417	5.31	5.70	11.600	O				4.98
20.500	5.35	5.70	11.598	O				4.98
20.583	5.37	5.70	11.595	O				4.98
20.667	5.39	5.70	11.593	O				4.98
20.750	5.41	5.70	11.591	O				4.98
20.833	5.22	5.70	11.589	O				4.98
20.917	4.49	5.69	11.583	O				4.97
21.000	4.09	5.69	11.573	O				4.97
21.083	4.13	5.69	11.562	O				4.97
21.167	4.78	5.69	11.554	O				4.96
21.250	5.13	5.69	11.549	O				4.96
21.333	5.04	5.68	11.545	O				4.96
21.417	4.36	5.68	11.538	O				4.96
21.500	3.99	5.68	11.527	O				4.95
21.583	4.06	5.68	11.516	O				4.95
21.667	4.73	5.68	11.507	O				4.95
21.750	5.09	5.67	11.502	O				4.94
21.833	5.02	5.67	11.498	O				4.94
21.917	4.35	5.67	11.491	O				4.94
22.000	3.99	5.67	11.481	O				4.94
22.083	4.06	5.67	11.469	O				4.93
22.167	4.73	5.66	11.460	O				4.93
22.250	5.09	5.66	11.455	O				4.93
22.333	5.02	5.66	11.451	O				4.92
22.417	4.35	5.66	11.444	O				4.92
22.500	3.99	5.66	11.434	O				4.92
22.583	3.86	5.65	11.422	O				4.91
22.667	3.78	5.65	11.409	O				4.91

22.750	3.73	5.65	11.396	|O	|	|	|	4.90
22.833	3.70	5.65	11.383	|O	|	|	|	4.90
22.917	3.68	5.64	11.370	|O	|	|	|	4.89
23.000	3.67	5.64	11.356	|O	|	|	|	4.89
23.083	3.65	5.64	11.343	|O	|	|	|	4.88
23.167	3.64	5.63	11.329	|O	|	|	|	4.88
23.250	3.63	5.63	11.315	|O	|	|	|	4.87
23.333	3.63	5.63	11.301	|O	|	|	|	4.87
23.417	3.63	5.62	11.288	|O	|	|	|	4.86
23.500	3.63	5.62	11.274	|O	|	|	|	4.86
23.583	3.63	5.62	11.260	|O	|	|	|	4.85
23.667	3.63	5.61	11.247	|O	|	|	|	4.85
23.750	3.63	5.61	11.233	|O	|	|	|	4.84
23.833	3.63	5.61	11.219	|O	|	|	|	4.83
23.917	3.63	5.60	11.206	|O	|	|	|	4.83
24.000	3.63	5.60	11.192	|O	|	|	|	4.82
24.083	3.23	5.60	11.177	IO	|	|	|	4.82
24.167	1.73	5.59	11.156	IO	|	|	|	4.81
24.250	0.92	5.58	11.126	IO	|	|	|	4.80
24.333	0.60	5.58	11.093	IO	|	|	|	4.79
24.417	0.40	5.57	11.058	IO	|	|	|	4.77
24.500	0.27	5.56	11.022	IO	|	|	|	4.76
24.583	0.19	5.55	10.986	IO	|	|	|	4.75
24.667	0.12	5.54	10.948	IO	|	|	|	4.73
24.750	0.07	5.53	10.911	IO	|	|	|	4.72
24.833	0.04	5.52	10.873	IO	|	|	|	4.70
24.917	0.02	5.51	10.836	IO	|	|	|	4.69
25.000	0.00	5.50	10.798	IO	|	|	|	4.67
25.083	0.00	5.50	10.760	IO	|	|	|	4.66
25.167	0.00	5.49	10.722	IO	|	|	|	4.64
25.250	0.00	5.48	10.684	IO	|	|	|	4.63
25.333	0.00	5.47	10.647	IO	|	|	|	4.62
25.417	0.00	5.46	10.609	IO	|	|	|	4.60
25.500	0.00	5.45	10.571	IO	|	|	|	4.59
25.583	0.00	5.44	10.534	IO	|	|	|	4.57
25.667	0.00	5.43	10.496	IO	|	|	|	4.56
25.750	0.00	5.42	10.459	IO	|	|	|	4.54
25.833	0.00	5.41	10.422	IO	|	|	|	4.53
25.917	0.00	5.40	10.384	IO	|	|	|	4.52
26.000	0.00	5.40	10.347	IO	|	|	|	4.50
26.083	0.00	5.39	10.310	IO	|	|	|	4.49
26.167	0.00	5.38	10.273	IO	|	|	|	4.47
26.250	0.00	5.37	10.236	IO	|	|	|	4.46
26.333	0.00	5.36	10.199	IO	|	|	|	4.44
26.417	0.00	5.35	10.162	IO	|	|	|	4.43
26.500	0.00	5.34	10.125	IO	|	|	|	4.42
26.583	0.00	5.33	10.089	IO	|	|	|	4.40
26.667	0.00	5.32	10.052	IO	|	|	|	4.39
26.750	0.00	5.32	10.015	IO	|	|	|	4.37
26.833	0.00	5.31	9.979	IO	|	|	|	4.36
26.917	0.00	5.30	9.942	IO	|	|	|	4.35
27.000	0.00	5.29	9.906	IO	|	|	|	4.33
27.083	0.00	5.28	9.869	IO	|	|	|	4.32
27.167	0.00	5.27	9.833	IO	|	|	|	4.30
27.250	0.00	5.26	9.797	IO	|	|	|	4.29
27.333	0.00	5.25	9.761	IO	|	|	|	4.28
27.417	0.00	5.25	9.724	IO	|	|	|	4.26
27.500	0.00	5.24	9.688	IO	|	|	|	4.25
27.583	0.00	5.23	9.652	IO	|	|	|	4.23
27.667	0.00	5.22	9.616	IO	|	|	|	4.22
27.750	0.00	5.21	9.580	IO	|	|	|	4.21
27.833	0.00	5.20	9.545	IO	|	|	|	4.19
27.917	0.00	5.19	9.509	IO	|	|	|	4.18
28.000	0.00	5.18	9.473	IO	|	|	|	4.17
28.083	0.00	5.18	9.437	IO	|	|	|	4.15
28.167	0.00	5.17	9.402	IO	|	|	|	4.14
28.250	0.00	5.16	9.366	IO	|	|	|	4.12
28.333	0.00	5.15	9.331	IO	|	|	|	4.11

28.417	0.00	5.14	9.295	IO				4.10
28.500	0.00	5.13	9.260	IO				4.08
28.583	0.00	5.12	9.224	IO				4.07
28.667	0.00	5.12	9.189	IO				4.06
28.750	0.00	5.11	9.154	IO				4.04
28.833	0.00	5.10	9.119	IO				4.03
28.917	0.00	5.09	9.084	IO				4.02
29.000	0.00	5.08	9.049	IO				4.00
29.083	0.00	5.07	9.014	IO				3.99
29.167	0.00	5.06	8.979	IO				3.98
29.250	0.00	5.05	8.944	IO				3.96
29.333	0.00	5.04	8.909	IO				3.95
29.417	0.00	5.03	8.875	IO				3.93
29.500	0.00	5.02	8.840	IO				3.92
29.583	0.00	5.01	8.805	IO				3.91
29.667	0.00	5.00	8.771	IO				3.89
29.750	0.00	4.99	8.737	IO				3.88
29.833	0.00	4.98	8.702	IO				3.86
29.917	0.00	4.97	8.668	IO				3.85
30.000	0.00	4.96	8.634	IO				3.84
30.083	0.00	4.95	8.600	IO				3.82
30.167	0.00	4.94	8.566	IO				3.81
30.250	0.00	4.93	8.532	IO				3.79
30.333	0.00	4.92	8.498	IO				3.78
30.417	0.00	4.91	8.464	IO				3.77
30.500	0.00	4.90	8.430	IO				3.75
30.583	0.00	4.89	8.396	IO				3.74
30.667	0.00	4.88	8.363	IO				3.73
30.750	0.00	4.87	8.329	IO				3.71
30.833	0.00	4.86	8.295	IO				3.70
30.917	0.00	4.85	8.262	IO				3.69
31.000	0.00	4.84	8.229	IO				3.67
31.083	0.00	4.83	8.195	IO				3.66
31.167	0.00	4.82	8.162	IO				3.64
31.250	0.00	4.81	8.129	IO				3.63
31.333	0.00	4.80	8.096	IO				3.62
31.417	0.00	4.80	8.063	IO				3.60
31.500	0.00	4.79	8.030	IO				3.59
31.583	0.00	4.78	7.997	IO				3.58
31.667	0.00	4.77	7.964	IO				3.56
31.750	0.00	4.76	7.931	IO				3.55
31.833	0.00	4.75	7.898	IO				3.54
31.917	0.00	4.74	7.866	IO				3.52
32.000	0.00	4.73	7.833	IO				3.51
32.083	0.00	4.72	7.801	IO				3.50
32.167	0.00	4.71	7.768	IO				3.49
32.250	0.00	4.70	7.736	IO				3.47
32.333	0.00	4.69	7.703	IO				3.46
32.417	0.00	4.68	7.671	IO				3.45
32.500	0.00	4.67	7.639	IO				3.43
32.583	0.00	4.66	7.607	IO				3.42
32.667	0.00	4.65	7.575	IO				3.41
32.750	0.00	4.64	7.543	IO				3.39
32.833	0.00	4.63	7.511	IO				3.38
32.917	0.00	4.62	7.479	IO				3.37
33.000	0.00	4.62	7.447	IO				3.36
33.083	0.00	4.61	7.415	IO				3.34
33.167	0.00	4.60	7.384	IO				3.33
33.250	0.00	4.59	7.352	IO				3.32
33.333	0.00	4.58	7.320	IO				3.30
33.417	0.00	4.57	7.289	IO				3.29
33.500	0.00	4.56	7.257	IO				3.28
33.583	0.00	4.55	7.226	IO				3.27
33.667	0.00	4.54	7.195	IO				3.25
33.750	0.00	4.53	7.163	IO				3.24
33.833	0.00	4.52	7.132	IO				3.23
33.917	0.00	4.51	7.101	IO				3.22
34.000	0.00	4.51	7.070	IO				3.20

34.083	0.00	4.50	7.039	IO				3.19
34.167	0.00	4.49	7.008	IO				3.18
34.250	0.00	4.48	6.977	IO				3.16
34.333	0.00	4.47	6.946	IO				3.15
34.417	0.00	4.46	6.916	IO				3.14
34.500	0.00	4.45	6.885	IO				3.13
34.583	0.00	4.44	6.854	IO				3.12
34.667	0.00	4.43	6.824	IO				3.10
34.750	0.00	4.43	6.793	IO				3.09
34.833	0.00	4.42	6.763	IO				3.08
34.917	0.00	4.41	6.732	IO				3.07
35.000	0.00	4.40	6.702	IO				3.05
35.083	0.00	4.39	6.672	IO				3.04
35.167	0.00	4.38	6.642	IO				3.03
35.250	0.00	4.37	6.612	IO				3.02
35.333	0.00	4.36	6.581	IO				3.00
35.417	0.00	4.35	6.551	IO				2.99
35.500	0.00	4.34	6.522	IO				2.98
35.583	0.00	4.33	6.492	IO				2.97
35.667	0.00	4.32	6.462	IO				2.95
35.750	0.00	4.31	6.432	IO				2.94
35.833	0.00	4.30	6.403	IO				2.93
35.917	0.00	4.29	6.373	IO				2.92
36.000	0.00	4.28	6.343	IO				2.90
36.083	0.00	4.26	6.314	IO				2.89
36.167	0.00	4.25	6.285	IO				2.88
36.250	0.00	4.24	6.255	IO				2.87
36.333	0.00	4.23	6.226	IO				2.85
36.417	0.00	4.22	6.197	IO				2.84
36.500	0.00	4.21	6.168	IO				2.83
36.583	0.00	4.20	6.139	IO				2.82
36.667	0.00	4.19	6.110	IO				2.80
36.750	0.00	4.18	6.082	IO				2.79
36.833	0.00	4.17	6.053	IO				2.78
36.917	0.00	4.16	6.024	IO				2.77
37.000	0.00	4.15	5.996	IO				2.75
37.083	0.00	4.13	5.967	IO				2.74
37.167	0.00	4.12	5.939	IO				2.73
37.250	0.00	4.11	5.910	IO				2.72
37.333	0.00	4.10	5.882	IO				2.70
37.417	0.00	4.09	5.854	IO				2.69
37.500	0.00	4.08	5.826	IO				2.68
37.583	0.00	4.07	5.797	IO				2.67
37.667	0.00	4.06	5.769	IO				2.66
37.750	0.00	4.05	5.742	IO				2.64
37.833	0.00	4.04	5.714	IO				2.63
37.917	0.00	4.03	5.686	IO				2.62
38.000	0.00	4.02	5.658	IO				2.61
38.083	0.00	4.01	5.631	IO				2.60
38.167	0.00	4.00	5.603	IO				2.58
38.250	0.00	3.99	5.575	IO				2.57
38.333	0.00	3.98	5.548	IO				2.56
38.417	0.00	3.97	5.521	IO				2.55
38.500	0.00	3.96	5.493	IO				2.54
38.583	0.00	3.95	5.466	IO				2.53
38.667	0.00	3.94	5.439	IO				2.51
38.750	0.00	3.93	5.412	IO				2.50
38.833	0.00	3.92	5.385	IO				2.49
38.917	0.00	3.91	5.358	IO				2.48
39.000	0.00	3.90	5.331	IO				2.47
39.083	0.00	3.89	5.304	IO				2.46
39.167	0.00	3.88	5.277	IO				2.45
39.250	0.00	3.87	5.251	IO				2.43
39.333	0.00	3.86	5.224	IO				2.42
39.417	0.00	3.85	5.198	IO				2.41
39.500	0.00	3.84	5.171	IO				2.40
39.583	0.00	3.83	5.145	IO				2.39
39.667	0.00	3.82	5.118	IO				2.38

39.750	0.00	3.81	5.092	IO				2.37
39.833	0.00	3.80	5.066	IO				2.35
39.917	0.00	3.79	5.040	IO				2.34
40.000	0.00	3.78	5.014	IO				2.33
40.083	0.00	3.77	4.988	IO				2.32
40.167	0.00	3.76	4.962	IO				2.31
40.250	0.00	3.75	4.936	IO				2.30
40.333	0.00	3.74	4.910	IO				2.29
40.417	0.00	3.73	4.885	IO				2.28
40.500	0.00	3.72	4.859	IO				2.27
40.583	0.00	3.71	4.833	IO				2.25
40.667	0.00	3.70	4.808	IO				2.24
40.750	0.00	3.69	4.782	IO				2.23
40.833	0.00	3.68	4.757	IO				2.22
40.917	0.00	3.67	4.732	IO				2.21
41.000	0.00	3.66	4.706	IO				2.20
41.083	0.00	3.65	4.681	IO				2.19
41.167	0.00	3.65	4.656	IO				2.18
41.250	0.00	3.64	4.631	IO				2.17
41.333	0.00	3.63	4.606	IO				2.16
41.417	0.00	3.62	4.581	IO				2.15
41.500	0.00	3.61	4.556	IO				2.14
41.583	0.00	3.60	4.531	IO				2.13
41.667	0.00	3.59	4.506	IO				2.11
41.750	0.00	3.58	4.482	IO				2.10
41.833	0.00	3.57	4.457	IO				2.09
41.917	0.00	3.56	4.433	IO				2.08
42.000	0.00	3.55	4.408	IO				2.07
42.083	0.00	3.54	4.384	IO				2.06
42.167	0.00	3.53	4.359	IO				2.05
42.250	0.00	3.53	4.335	IO				2.04
42.333	0.00	3.52	4.311	IO				2.03
42.417	0.00	3.51	4.287	IO				2.02
42.500	0.00	3.50	4.262	IO				2.01
42.583	0.00	3.49	4.238	IO				2.00
42.667	0.00	3.48	4.214	IO				1.99
42.750	0.00	3.46	4.190	IO				1.98
42.833	0.00	3.45	4.167	IO				1.97
42.917	0.00	3.44	4.143	O				1.96
43.000	0.00	3.43	4.119	O				1.94
43.083	0.00	3.41	4.096	O				1.93
43.167	0.00	3.40	4.072	O				1.92
43.250	0.00	3.39	4.049	O				1.91
43.333	0.00	3.38	4.026	O				1.90
43.417	0.00	3.36	4.002	O				1.89
43.500	0.00	3.35	3.979	O				1.88
43.583	0.00	3.34	3.956	O				1.87
43.667	0.00	3.33	3.933	O				1.86
43.750	0.00	3.31	3.910	O				1.85
43.833	0.00	3.30	3.888	O				1.84
43.917	0.00	3.29	3.865	O				1.83
44.000	0.00	3.28	3.842	O				1.82
44.083	0.00	3.27	3.820	O				1.81
44.167	0.00	3.25	3.797	O				1.80
44.250	0.00	3.24	3.775	O				1.79
44.333	0.00	3.23	3.753	O				1.78
44.417	0.00	3.22	3.731	O				1.77
44.500	0.00	3.21	3.708	O				1.76
44.583	0.00	3.19	3.686	O				1.75
44.667	0.00	3.18	3.664	O				1.74
44.750	0.00	3.17	3.643	O				1.73
44.833	0.00	3.16	3.621	O				1.72
44.917	0.00	3.15	3.599	O				1.71
45.000	0.00	3.14	3.577	O				1.70
45.083	0.00	3.12	3.556	O				1.69
45.167	0.00	3.11	3.534	O				1.68
45.250	0.00	3.10	3.513	O				1.67
45.333	0.00	3.09	3.492	O				1.66

45.417	0.00	3.08	3.470	O					1.65
45.500	0.00	3.07	3.449	O					1.64
45.583	0.00	3.06	3.428	O					1.63
45.667	0.00	3.05	3.407	O					1.62
45.750	0.00	3.03	3.386	O					1.61
45.833	0.00	3.02	3.365	O					1.60
45.917	0.00	3.01	3.345	O					1.59
46.000	0.00	3.00	3.324	O					1.58
46.083	0.00	2.99	3.303	O					1.57
46.167	0.00	2.98	3.283	O					1.56
46.250	0.00	2.97	3.262	O					1.55
46.333	0.00	2.96	3.242	O					1.54
46.417	0.00	2.95	3.221	O					1.53
46.500	0.00	2.94	3.201	O					1.53
46.583	0.00	2.92	3.181	O					1.52
46.667	0.00	2.91	3.161	O					1.51
46.750	0.00	2.90	3.141	O					1.50
46.833	0.00	2.89	3.121	O					1.49
46.917	0.00	2.88	3.101	O					1.48
47.000	0.00	2.87	3.081	O					1.47
47.083	0.00	2.86	3.062	O					1.46
47.167	0.00	2.85	3.042	O					1.45
47.250	0.00	2.84	3.022	O					1.44
47.333	0.00	2.83	3.003	O					1.44
47.417	0.00	2.82	2.983	O					1.43
47.500	0.00	2.81	2.964	O					1.42
47.583	0.00	2.80	2.945	O					1.41
47.667	0.00	2.79	2.925	O					1.40
47.750	0.00	2.78	2.906	O					1.39
47.833	0.00	2.77	2.887	O					1.38
47.917	0.00	2.76	2.868	O					1.37
48.000	0.00	2.75	2.849	O					1.36
48.083	0.00	2.74	2.830	O					1.36
48.167	0.00	2.73	2.811	O					1.35
48.250	0.00	2.72	2.793	O					1.34
48.333	0.00	2.71	2.774	O					1.33
48.417	0.00	2.70	2.755	O					1.32
48.500	0.00	2.69	2.737	O					1.31
48.583	0.00	2.68	2.718	O					1.31
48.667	0.00	2.67	2.700	O					1.30
48.750	0.00	2.66	2.682	O					1.29
48.833	0.00	2.65	2.663	O					1.28
48.917	0.00	2.64	2.645	O					1.27
49.000	0.00	2.63	2.627	O					1.26
49.083	0.00	2.62	2.609	O					1.26
49.167	0.00	2.61	2.591	O					1.25
49.250	0.00	2.60	2.573	O					1.24
49.333	0.00	2.59	2.555	O					1.23
49.417	0.00	2.58	2.537	O					1.22
49.500	0.00	2.57	2.520	O					1.21
49.583	0.00	2.56	2.502	O					1.21
49.667	0.00	2.55	2.484	O					1.20
49.750	0.00	2.54	2.467	O					1.19
49.833	0.00	2.53	2.449	O					1.18
49.917	0.00	2.52	2.432	O					1.17
50.000	0.00	2.51	2.415	O					1.17
50.083	0.00	2.51	2.397	O					1.16
50.167	0.00	2.50	2.380	O					1.15
50.250	0.00	2.49	2.363	O					1.14
50.333	0.00	2.48	2.346	O					1.14
50.417	0.00	2.47	2.329	O					1.13
50.500	0.00	2.46	2.312	O					1.12
50.583	0.00	2.45	2.295	O					1.11
50.667	0.00	2.44	2.278	O					1.10
50.750	0.00	2.43	2.261	O					1.10
50.833	0.00	2.42	2.245	O					1.09
50.917	0.00	2.42	2.228	O					1.08
51.000	0.00	2.41	2.211	O					1.07

51.083	0.00	2.40	2.195	O	|	|	|	|	1.07
51.167	0.00	2.39	2.178	O	|	|	|	|	1.06
51.250	0.00	2.38	2.162	O	|	|	|	|	1.05
51.333	0.00	2.37	2.145	O	|	|	|	|	1.04
51.417	0.00	2.36	2.129	O	|	|	|	|	1.04
51.500	0.00	2.35	2.113	O	|	|	|	|	1.03
51.583	0.00	2.34	2.097	O	|	|	|	|	1.02
51.667	0.00	2.34	2.081	O	|	|	|	|	1.01
51.750	0.00	2.33	2.065	O	|	|	|	|	1.01
51.833	0.00	2.32	2.049	O	|	|	|	|	1.00
51.917	0.00	2.30	2.033	O	|	|	|	|	0.99
52.000	0.00	2.28	2.017	O	|	|	|	|	0.98
52.083	0.00	2.26	2.001	O	|	|	|	|	0.98
52.167	0.00	2.25	1.986	O	|	|	|	|	0.97
52.250	0.00	2.23	1.970	O	|	|	|	|	0.96
52.333	0.00	2.21	1.955	O	|	|	|	|	0.95
52.417	0.00	2.20	1.940	O	|	|	|	|	0.95
52.500	0.00	2.18	1.925	O	|	|	|	|	0.94
52.583	0.00	2.16	1.910	O	|	|	|	|	0.93
52.667	0.00	2.14	1.895	O	|	|	|	|	0.92
52.750	0.00	2.13	1.880	O	|	|	|	|	0.92
52.833	0.00	2.11	1.866	O	|	|	|	|	0.91
52.917	0.00	2.10	1.851	O	|	|	|	|	0.90
53.000	0.00	2.08	1.837	O	|	|	|	|	0.90
53.083	0.00	2.06	1.823	O	|	|	|	|	0.89
53.167	0.00	2.05	1.808	O	|	|	|	|	0.88
53.250	0.00	2.03	1.794	O	|	|	|	|	0.88
53.333	0.00	2.01	1.780	O	|	|	|	|	0.87
53.417	0.00	2.00	1.767	O	|	|	|	|	0.86
53.500	0.00	1.98	1.753	O	|	|	|	|	0.86
53.583	0.00	1.97	1.739	O	|	|	|	|	0.85
53.667	0.00	1.95	1.726	O	|	|	|	|	0.84
53.750	0.00	1.94	1.712	O	|	|	|	|	0.84
53.833	0.00	1.92	1.699	O	|	|	|	|	0.83
53.917	0.00	1.91	1.686	O	|	|	|	|	0.82
54.000	0.00	1.89	1.673	O	|	|	|	|	0.82
54.083	0.00	1.88	1.660	O	|	|	|	|	0.81
54.167	0.00	1.86	1.647	O	|	|	|	|	0.80
54.250	0.00	1.85	1.634	O	|	|	|	|	0.80
54.333	0.00	1.84	1.621	O	|	|	|	|	0.79
54.417	0.00	1.82	1.609	O	|	|	|	|	0.78
54.500	0.00	1.81	1.596	O	|	|	|	|	0.78
54.583	0.00	1.79	1.584	O	|	|	|	|	0.77
54.667	0.00	1.78	1.572	O	|	|	|	|	0.77
54.750	0.00	1.76	1.559	O	|	|	|	|	0.76
54.833	0.00	1.75	1.547	O	|	|	|	|	0.75
54.917	0.00	1.74	1.535	O	|	|	|	|	0.75
55.000	0.00	1.72	1.523	O	|	|	|	|	0.74
55.083	0.00	1.71	1.512	O	|	|	|	|	0.74
55.167	0.00	1.70	1.500	O	|	|	|	|	0.73
55.250	0.00	1.68	1.488	O	|	|	|	|	0.73
55.333	0.00	1.67	1.477	O	|	|	|	|	0.72
55.417	0.00	1.66	1.465	O	|	|	|	|	0.71
55.500	0.00	1.65	1.454	O	|	|	|	|	0.71
55.583	0.00	1.63	1.443	O	|	|	|	|	0.70
55.667	0.00	1.62	1.431	O	|	|	|	|	0.70
55.750	0.00	1.61	1.420	O	|	|	|	|	0.69
55.833	0.00	1.59	1.409	O	|	|	|	|	0.69
55.917	0.00	1.58	1.398	O	|	|	|	|	0.68
56.000	0.00	1.57	1.387	O	|	|	|	|	0.68
56.083	0.00	1.56	1.377	O	|	|	|	|	0.67
56.167	0.00	1.55	1.366	O	|	|	|	|	0.67
56.250	0.00	1.53	1.355	O	|	|	|	|	0.66
56.333	0.00	1.52	1.345	O	|	|	|	|	0.66
56.417	0.00	1.51	1.334	O	|	|	|	|	0.65
56.500	0.00	1.50	1.324	O	|	|	|	|	0.65
56.583	0.00	1.49	1.314	O	|	|	|	|	0.64
56.667	0.00	1.48	1.304	O	|	|	|	|	0.64

56.750	0.00	1.46	1.293	O					0.63
56.833	0.00	1.45	1.283	O					0.63
56.917	0.00	1.44	1.273	O					0.62
57.000	0.00	1.43	1.264	O					0.62
57.083	0.00	1.42	1.254	O					0.61
57.167	0.00	1.41	1.244	O					0.61
57.250	0.00	1.40	1.234	O					0.60
57.333	0.00	1.39	1.225	O					0.60
57.417	0.00	1.38	1.215	O					0.59
57.500	0.00	1.36	1.206	O					0.59
57.583	0.00	1.35	1.196	O					0.58
57.667	0.00	1.34	1.187	O					0.58
57.750	0.00	1.33	1.178	O					0.57
57.833	0.00	1.32	1.169	O					0.57
57.917	0.00	1.31	1.160	O					0.57
58.000	0.00	1.30	1.151	O					0.56
58.083	0.00	1.29	1.142	O					0.56
58.167	0.00	1.28	1.133	O					0.55
58.250	0.00	1.27	1.124	O					0.55
58.333	0.00	1.26	1.115	O					0.54
58.417	0.00	1.25	1.107	O					0.54
58.500	0.00	1.24	1.098	O					0.54
58.583	0.00	1.23	1.090	O					0.53
58.667	0.00	1.22	1.081	O					0.53
58.750	0.00	1.21	1.073	O					0.52
58.833	0.00	1.20	1.064	O					0.52
58.917	0.00	1.20	1.056	O					0.52
59.000	0.00	1.19	1.048	O					0.51
59.083	0.00	1.18	1.040	O					0.51
59.167	0.00	1.17	1.032	O					0.50
59.250	0.00	1.16	1.024	O					0.50
59.333	0.00	1.15	1.016	O					0.50
59.417	0.00	1.14	1.008	O					0.49
59.500	0.00	1.13	1.000	O					0.49
59.583	0.00	1.12	0.992	O					0.48
59.667	0.00	1.11	0.985	O					0.48
59.750	0.00	1.11	0.977	O					0.48
59.833	0.00	1.10	0.969	O					0.47
59.917	0.00	1.09	0.962	O					0.47
60.000	0.00	1.08	0.954	O					0.47
60.083	0.00	1.07	0.947	O					0.46
60.167	0.00	1.06	0.940	O					0.46
60.250	0.00	1.06	0.932	O					0.45
60.333	0.00	1.05	0.925	O					0.45
60.417	0.00	1.04	0.918	O					0.45
60.500	0.00	1.03	0.911	O					0.44
60.583	0.00	1.02	0.904	O					0.44
60.667	0.00	1.01	0.897	O					0.44
60.750	0.00	1.01	0.890	O					0.43
60.833	0.00	1.00	0.883	O					0.43
60.917	0.00	0.99	0.876	O					0.43
61.000	0.00	0.98	0.869	O					0.42
61.083	0.00	0.98	0.862	O					0.42
61.167	0.00	0.97	0.856	O					0.42
61.250	0.00	0.96	0.849	O					0.41
61.333	0.00	0.95	0.842	O					0.41
61.417	0.00	0.95	0.836	O					0.41
61.500	0.00	0.94	0.829	O					0.40
61.583	0.00	0.93	0.823	O					0.40
61.667	0.00	0.92	0.817	O					0.40
61.750	0.00	0.92	0.810	O					0.40
61.833	0.00	0.91	0.804	O					0.39
61.917	0.00	0.90	0.798	O					0.39
62.000	0.00	0.90	0.792	O					0.39
62.083	0.00	0.89	0.785	O					0.38
62.167	0.00	0.88	0.779	O					0.38
62.250	0.00	0.88	0.773	O					0.38
62.333	0.00	0.87	0.767	O					0.37

62.417	0.00	0.86	0.761	O	|	|	|	|	0.37
62.500	0.00	0.85	0.755	O	|	|	|	|	0.37
62.583	0.00	0.85	0.750	O	|	|	|	|	0.37
62.667	0.00	0.84	0.744	O	|	|	|	|	0.36
62.750	0.00	0.84	0.738	O	|	|	|	|	0.36
62.833	0.00	0.83	0.732	O	|	|	|	|	0.36
62.917	0.00	0.82	0.727	O	|	|	|	|	0.35
63.000	0.00	0.82	0.721	O	|	|	|	|	0.35
63.083	0.00	0.81	0.715	O	|	|	|	|	0.35
63.167	0.00	0.80	0.710	O	|	|	|	|	0.35
63.250	0.00	0.80	0.704	O	|	|	|	|	0.34
63.333	0.00	0.79	0.699	O	|	|	|	|	0.34
63.417	0.00	0.78	0.693	O	|	|	|	|	0.34
63.500	0.00	0.78	0.688	O	|	|	|	|	0.34
63.583	0.00	0.77	0.683	O	|	|	|	|	0.33
63.667	0.00	0.77	0.677	O	|	|	|	|	0.33
63.750	0.00	0.76	0.672	O	|	|	|	|	0.33
63.833	0.00	0.75	0.667	O	|	|	|	|	0.33
63.917	0.00	0.75	0.662	O	|	|	|	|	0.32
64.000	0.00	0.74	0.657	O	|	|	|	|	0.32
64.083	0.00	0.74	0.651	O	|	|	|	|	0.32
64.167	0.00	0.73	0.646	O	|	|	|	|	0.32
64.250	0.00	0.73	0.641	O	|	|	|	|	0.31
64.333	0.00	0.72	0.636	O	|	|	|	|	0.31
64.417	0.00	0.71	0.631	O	|	|	|	|	0.31
64.500	0.00	0.71	0.627	O	|	|	|	|	0.31
64.583	0.00	0.70	0.622	O	|	|	|	|	0.30
64.667	0.00	0.70	0.617	O	|	|	|	|	0.30
64.750	0.00	0.69	0.612	O	|	|	|	|	0.30
64.833	0.00	0.69	0.607	O	|	|	|	|	0.30
64.917	0.00	0.68	0.603	O	|	|	|	|	0.29
65.000	0.00	0.68	0.598	O	|	|	|	|	0.29
65.083	0.00	0.67	0.593	O	|	|	|	|	0.29
65.167	0.00	0.67	0.589	O	|	|	|	|	0.29
65.250	0.00	0.66	0.584	O	|	|	|	|	0.28
65.333	0.00	0.66	0.580	O	|	|	|	|	0.28
65.417	0.00	0.65	0.575	O	|	|	|	|	0.28
65.500	0.00	0.65	0.571	O	|	|	|	|	0.28
65.583	0.00	0.64	0.566	O	|	|	|	|	0.28
65.667	0.00	0.64	0.562	O	|	|	|	|	0.27
65.750	0.00	0.63	0.557	O	|	|	|	|	0.27
65.833	0.00	0.63	0.553	O	|	|	|	|	0.27
65.917	0.00	0.62	0.549	O	|	|	|	|	0.27
66.000	0.00	0.62	0.545	O	|	|	|	|	0.27
66.083	0.00	0.61	0.540	O	|	|	|	|	0.26
66.167	0.00	0.61	0.536	O	|	|	|	|	0.26
66.250	0.00	0.60	0.532	O	|	|	|	|	0.26
66.333	0.00	0.60	0.528	O	|	|	|	|	0.26
66.417	0.00	0.59	0.524	O	|	|	|	|	0.26
66.500	0.00	0.59	0.520	O	|	|	|	|	0.25
66.583	0.00	0.58	0.516	O	|	|	|	|	0.25
66.667	0.00	0.58	0.512	O	|	|	|	|	0.25
66.750	0.00	0.57	0.508	O	|	|	|	|	0.25
66.833	0.00	0.57	0.504	O	|	|	|	|	0.25
66.917	0.00	0.57	0.500	O	|	|	|	|	0.24
67.000	0.00	0.56	0.496	O	|	|	|	|	0.24
67.083	0.00	0.56	0.492	O	|	|	|	|	0.24
67.167	0.00	0.55	0.488	O	|	|	|	|	0.24
67.250	0.00	0.55	0.484	O	|	|	|	|	0.24
67.333	0.00	0.54	0.481	O	|	|	|	|	0.23
67.417	0.00	0.54	0.477	O	|	|	|	|	0.23
67.500	0.00	0.54	0.473	O	|	|	|	|	0.23
67.583	0.00	0.53	0.470	O	|	|	|	|	0.23
67.667	0.00	0.53	0.466	O	|	|	|	|	0.23
67.750	0.00	0.52	0.462	O	|	|	|	|	0.23
67.833	0.00	0.52	0.459	O	|	|	|	|	0.22
67.917	0.00	0.52	0.455	O	|	|	|	|	0.22
68.000	0.00	0.51	0.452	O	|	|	|	|	0.22

68.083	0.00	0.51	0.448	O	|	|	|	|	0.22
68.167	0.00	0.50	0.445	O	|	|	|	|	0.22
68.250	0.00	0.50	0.441	O	|	|	|	|	0.22
68.333	0.00	0.50	0.438	O	|	|	|	|	0.21
68.417	0.00	0.49	0.434	O	|	|	|	|	0.21
68.500	0.00	0.49	0.431	O	|	|	|	|	0.21
68.583	0.00	0.48	0.428	O	|	|	|	|	0.21
68.667	0.00	0.48	0.424	O	|	|	|	|	0.21
68.750	0.00	0.48	0.421	O	|	|	|	|	0.21
68.833	0.00	0.47	0.418	O	|	|	|	|	0.20
68.917	0.00	0.47	0.415	O	|	|	|	|	0.20
69.000	0.00	0.47	0.411	O	|	|	|	|	0.20
69.083	0.00	0.46	0.408	O	|	|	|	|	0.20
69.167	0.00	0.46	0.405	O	|	|	|	|	0.20
69.250	0.00	0.45	0.402	O	|	|	|	|	0.20
69.333	0.00	0.45	0.399	O	|	|	|	|	0.19
69.417	0.00	0.45	0.396	O	|	|	|	|	0.19
69.500	0.00	0.44	0.393	O	|	|	|	|	0.19
69.583	0.00	0.44	0.389	O	|	|	|	|	0.19
69.667	0.00	0.44	0.386	O	|	|	|	|	0.19
69.750	0.00	0.43	0.383	O	|	|	|	|	0.19
69.833	0.00	0.43	0.380	O	|	|	|	|	0.19
69.917	0.00	0.43	0.378	O	|	|	|	|	0.18
70.000	0.00	0.42	0.375	O	|	|	|	|	0.18
70.083	0.00	0.42	0.372	O	|	|	|	|	0.18
70.167	0.00	0.42	0.369	O	|	|	|	|	0.18
70.250	0.00	0.41	0.366	O	|	|	|	|	0.18
70.333	0.00	0.41	0.363	O	|	|	|	|	0.18
70.417	0.00	0.41	0.360	O	|	|	|	|	0.18
70.500	0.00	0.40	0.357	O	|	|	|	|	0.17
70.583	0.00	0.40	0.355	O	|	|	|	|	0.17
70.667	0.00	0.40	0.352	O	|	|	|	|	0.17
70.750	0.00	0.40	0.349	O	|	|	|	|	0.17
70.833	0.00	0.39	0.346	O	|	|	|	|	0.17
70.917	0.00	0.39	0.344	O	|	|	|	|	0.17
71.000	0.00	0.39	0.341	O	|	|	|	|	0.17
71.083	0.00	0.38	0.338	O	|	|	|	|	0.17
71.167	0.00	0.38	0.336	O	|	|	|	|	0.16
71.250	0.00	0.38	0.333	O	|	|	|	|	0.16
71.333	0.00	0.37	0.331	O	|	|	|	|	0.16
71.417	0.00	0.37	0.328	O	|	|	|	|	0.16
71.500	0.00	0.37	0.326	O	|	|	|	|	0.16
71.583	0.00	0.37	0.323	O	|	|	|	|	0.16
71.667	0.00	0.36	0.321	O	|	|	|	|	0.16
71.750	0.00	0.36	0.318	O	|	|	|	|	0.16
71.833	0.00	0.36	0.316	O	|	|	|	|	0.15
71.917	0.00	0.35	0.313	O	|	|	|	|	0.15
72.000	0.00	0.35	0.311	O	|	|	|	|	0.15
72.083	0.00	0.35	0.308	O	|	|	|	|	0.15
72.167	0.00	0.35	0.306	O	|	|	|	|	0.15
72.250	0.00	0.34	0.303	O	|	|	|	|	0.15
72.333	0.00	0.34	0.301	O	|	|	|	|	0.15
72.417	0.00	0.34	0.299	O	|	|	|	|	0.15
72.500	0.00	0.34	0.296	O	|	|	|	|	0.14
72.583	0.00	0.33	0.294	O	|	|	|	|	0.14
72.667	0.00	0.33	0.292	O	|	|	|	|	0.14
72.750	0.00	0.33	0.290	O	|	|	|	|	0.14
72.833	0.00	0.33	0.287	O	|	|	|	|	0.14
72.917	0.00	0.32	0.285	O	|	|	|	|	0.14
73.000	0.00	0.32	0.283	O	|	|	|	|	0.14
73.083	0.00	0.32	0.281	O	|	|	|	|	0.14
73.167	0.00	0.32	0.279	O	|	|	|	|	0.14
73.250	0.00	0.31	0.276	O	|	|	|	|	0.13
73.333	0.00	0.31	0.274	O	|	|	|	|	0.13
73.417	0.00	0.31	0.272	O	|	|	|	|	0.13
73.500	0.00	0.31	0.270	O	|	|	|	|	0.13
73.583	0.00	0.30	0.268	O	|	|	|	|	0.13
73.667	0.00	0.30	0.266	O	|	|	|	|	0.13

73.750	0.00	0.30	0.264	O	|	|	|	|	0.13
73.833	0.00	0.30	0.262	O	|	|	|	|	0.13
73.917	0.00	0.29	0.260	O	|	|	|	|	0.13
74.000	0.00	0.29	0.258	O	|	|	|	|	0.13
74.083	0.00	0.29	0.256	O	|	|	|	|	0.12
74.167	0.00	0.29	0.254	O	|	|	|	|	0.12
74.250	0.00	0.28	0.252	O	|	|	|	|	0.12
74.333	0.00	0.28	0.250	O	|	|	|	|	0.12
74.417	0.00	0.28	0.248	O	|	|	|	|	0.12
74.500	0.00	0.28	0.246	O	|	|	|	|	0.12
74.583	0.00	0.28	0.244	O	|	|	|	|	0.12
74.667	0.00	0.27	0.242	O	|	|	|	|	0.12
74.750	0.00	0.27	0.240	O	|	|	|	|	0.12
74.833	0.00	0.27	0.238	O	|	|	|	|	0.12
74.917	0.00	0.27	0.236	O	|	|	|	|	0.12
75.000	0.00	0.27	0.235	O	|	|	|	|	0.11
75.083	0.00	0.26	0.233	O	|	|	|	|	0.11
75.167	0.00	0.26	0.231	O	|	|	|	|	0.11
75.250	0.00	0.26	0.229	O	|	|	|	|	0.11
75.333	0.00	0.26	0.227	O	|	|	|	|	0.11
75.417	0.00	0.26	0.226	O	|	|	|	|	0.11
75.500	0.00	0.25	0.224	O	|	|	|	|	0.11
75.583	0.00	0.25	0.222	O	|	|	|	|	0.11
75.667	0.00	0.25	0.220	O	|	|	|	|	0.11
75.750	0.00	0.25	0.219	O	|	|	|	|	0.11
75.833	0.00	0.25	0.217	O	|	|	|	|	0.11
75.917	0.00	0.24	0.215	O	|	|	|	|	0.11
76.000	0.00	0.24	0.214	O	|	|	|	|	0.10
76.083	0.00	0.24	0.212	O	|	|	|	|	0.10
76.167	0.00	0.24	0.210	O	|	|	|	|	0.10
76.250	0.00	0.24	0.209	O	|	|	|	|	0.10
76.333	0.00	0.23	0.207	O	|	|	|	|	0.10
76.417	0.00	0.23	0.206	O	|	|	|	|	0.10
76.500	0.00	0.23	0.204	O	|	|	|	|	0.10
76.583	0.00	0.23	0.202	O	|	|	|	|	0.10
76.667	0.00	0.23	0.201	O	|	|	|	|	0.10
76.750	0.00	0.23	0.199	O	|	|	|	|	0.10
76.833	0.00	0.22	0.198	O	|	|	|	|	0.10
76.917	0.00	0.22	0.196	O	|	|	|	|	0.10
77.000	0.00	0.22	0.195	O	|	|	|	|	0.09
77.083	0.00	0.22	0.193	O	|	|	|	|	0.09
77.167	0.00	0.22	0.192	O	|	|	|	|	0.09
77.250	0.00	0.22	0.190	O	|	|	|	|	0.09
77.333	0.00	0.21	0.189	O	|	|	|	|	0.09
77.417	0.00	0.21	0.187	O	|	|	|	|	0.09
77.500	0.00	0.21	0.186	O	|	|	|	|	0.09
77.583	0.00	0.21	0.184	O	|	|	|	|	0.09
77.667	0.00	0.21	0.183	O	|	|	|	|	0.09
77.750	0.00	0.21	0.181	O	|	|	|	|	0.09
77.833	0.00	0.20	0.180	O	|	|	|	|	0.09
77.917	0.00	0.20	0.179	O	|	|	|	|	0.09
78.000	0.00	0.20	0.177	O	|	|	|	|	0.09
78.083	0.00	0.20	0.176	O	|	|	|	|	0.09
78.167	0.00	0.20	0.175	O	|	|	|	|	0.09
78.250	0.00	0.20	0.173	O	|	|	|	|	0.08
78.333	0.00	0.19	0.172	O	|	|	|	|	0.08
78.417	0.00	0.19	0.170	O	|	|	|	|	0.08
78.500	0.00	0.19	0.169	O	|	|	|	|	0.08
78.583	0.00	0.19	0.168	O	|	|	|	|	0.08
78.667	0.00	0.19	0.167	O	|	|	|	|	0.08
78.750	0.00	0.19	0.165	O	|	|	|	|	0.08
78.833	0.00	0.19	0.164	O	|	|	|	|	0.08
78.917	0.00	0.18	0.163	O	|	|	|	|	0.08
79.000	0.00	0.18	0.161	O	|	|	|	|	0.08
79.083	0.00	0.18	0.160	O	|	|	|	|	0.08
79.167	0.00	0.18	0.159	O	|	|	|	|	0.08
79.250	0.00	0.18	0.158	O	|	|	|	|	0.08
79.333	0.00	0.18	0.156	O	|	|	|	|	0.08

79.417	0.00	0.18	0.155	O	|	|	|	|	0.08
79.500	0.00	0.17	0.154	O	|	|	|	|	0.08
79.583	0.00	0.17	0.153	O	|	|	|	|	0.07
79.667	0.00	0.17	0.152	O	|	|	|	|	0.07
79.750	0.00	0.17	0.150	O	|	|	|	|	0.07
79.833	0.00	0.17	0.149	O	|	|	|	|	0.07
79.917	0.00	0.17	0.148	O	|	|	|	|	0.07
80.000	0.00	0.17	0.147	O	|	|	|	|	0.07
80.083	0.00	0.17	0.146	O	|	|	|	|	0.07
80.167	0.00	0.16	0.145	O	|	|	|	|	0.07
80.250	0.00	0.16	0.144	O	|	|	|	|	0.07
80.333	0.00	0.16	0.142	O	|	|	|	|	0.07
80.417	0.00	0.16	0.141	O	|	|	|	|	0.07
80.500	0.00	0.16	0.140	O	|	|	|	|	0.07
80.583	0.00	0.16	0.139	O	|	|	|	|	0.07
80.667	0.00	0.16	0.138	O	|	|	|	|	0.07
80.750	0.00	0.16	0.137	O	|	|	|	|	0.07
80.833	0.00	0.15	0.136	O	|	|	|	|	0.07
80.917	0.00	0.15	0.135	O	|	|	|	|	0.07
81.000	0.00	0.15	0.134	O	|	|	|	|	0.07
81.083	0.00	0.15	0.133	O	|	|	|	|	0.06
81.167	0.00	0.15	0.132	O	|	|	|	|	0.06
81.250	0.00	0.15	0.131	O	|	|	|	|	0.06
81.333	0.00	0.15	0.130	O	|	|	|	|	0.06
81.417	0.00	0.15	0.129	O	|	|	|	|	0.06
81.500	0.00	0.14	0.128	O	|	|	|	|	0.06
81.583	0.00	0.14	0.127	O	|	|	|	|	0.06
81.667	0.00	0.14	0.126	O	|	|	|	|	0.06
81.750	0.00	0.14	0.125	O	|	|	|	|	0.06
81.833	0.00	0.14	0.124	O	|	|	|	|	0.06
81.917	0.00	0.14	0.123	O	|	|	|	|	0.06
82.000	0.00	0.14	0.122	O	|	|	|	|	0.06
82.083	0.00	0.14	0.121	O	|	|	|	|	0.06
82.167	0.00	0.14	0.120	O	|	|	|	|	0.06
82.250	0.00	0.13	0.119	O	|	|	|	|	0.06
82.333	0.00	0.13	0.118	O	|	|	|	|	0.06
82.417	0.00	0.13	0.117	O	|	|	|	|	0.06
82.500	0.00	0.13	0.116	O	|	|	|	|	0.06
82.583	0.00	0.13	0.115	O	|	|	|	|	0.06
82.667	0.00	0.13	0.115	O	|	|	|	|	0.06
82.750	0.00	0.13	0.114	O	|	|	|	|	0.06
82.833	0.00	0.13	0.113	O	|	|	|	|	0.06
82.917	0.00	0.13	0.112	O	|	|	|	|	0.05
83.000	0.00	0.13	0.111	O	|	|	|	|	0.05
83.083	0.00	0.12	0.110	O	|	|	|	|	0.05
83.167	0.00	0.12	0.109	O	|	|	|	|	0.05
83.250	0.00	0.12	0.108	O	|	|	|	|	0.05
83.333	0.00	0.12	0.108	O	|	|	|	|	0.05
83.417	0.00	0.12	0.107	O	|	|	|	|	0.05
83.500	0.00	0.12	0.106	O	|	|	|	|	0.05
83.583	0.00	0.12	0.105	O	|	|	|	|	0.05
83.667	0.00	0.12	0.104	O	|	|	|	|	0.05
83.750	0.00	0.12	0.104	O	|	|	|	|	0.05
83.833	0.00	0.12	0.103	O	|	|	|	|	0.05
83.917	0.00	0.12	0.102	O	|	|	|	|	0.05
84.000	0.00	0.11	0.101	O	|	|	|	|	0.05
84.083	0.00	0.11	0.100	O	|	|	|	|	0.05
84.167	0.00	0.11	0.100	O	|	|	|	|	0.05
84.250	0.00	0.11	0.099	O	|	|	|	|	0.05
84.333	0.00	0.11	0.098	O	|	|	|	|	0.05
84.417	0.00	0.11	0.097	O	|	|	|	|	0.05
84.500	0.00	0.11	0.097	O	|	|	|	|	0.05
84.583	0.00	0.11	0.096	O	|	|	|	|	0.05
84.667	0.00	0.11	0.095	O	|	|	|	|	0.05
84.750	0.00	0.11	0.094	O	|	|	|	|	0.05
84.833	0.00	0.11	0.094	O	|	|	|	|	0.05
84.917	0.00	0.11	0.093	O	|	|	|	|	0.05
85.000	0.00	0.10	0.092	O	|	|	|	|	0.04

85.083	0.00	0.10	0.091	O	|	|	|	|	0.04
85.167	0.00	0.10	0.091	O	|	|	|	|	0.04
85.250	0.00	0.10	0.090	O	|	|	|	|	0.04
85.333	0.00	0.10	0.089	O	|	|	|	|	0.04
85.417	0.00	0.10	0.089	O	|	|	|	|	0.04
85.500	0.00	0.10	0.088	O	|	|	|	|	0.04
85.583	0.00	0.10	0.087	O	|	|	|	|	0.04
85.667	0.00	0.10	0.087	O	|	|	|	|	0.04
85.750	0.00	0.10	0.086	O	|	|	|	|	0.04
85.833	0.00	0.10	0.085	O	|	|	|	|	0.04
85.917	0.00	0.10	0.085	O	|	|	|	|	0.04
86.000	0.00	0.09	0.084	O	|	|	|	|	0.04
86.083	0.00	0.09	0.083	O	|	|	|	|	0.04
86.167	0.00	0.09	0.083	O	|	|	|	|	0.04
86.250	0.00	0.09	0.082	O	|	|	|	|	0.04
86.333	0.00	0.09	0.081	O	|	|	|	|	0.04
86.417	0.00	0.09	0.081	O	|	|	|	|	0.04
86.500	0.00	0.09	0.080	O	|	|	|	|	0.04
86.583	0.00	0.09	0.079	O	|	|	|	|	0.04
86.667	0.00	0.09	0.079	O	|	|	|	|	0.04
86.750	0.00	0.09	0.078	O	|	|	|	|	0.04
86.833	0.00	0.09	0.078	O	|	|	|	|	0.04
86.917	0.00	0.09	0.077	O	|	|	|	|	0.04
87.000	0.00	0.09	0.076	O	|	|	|	|	0.04
87.083	0.00	0.09	0.076	O	|	|	|	|	0.04
87.167	0.00	0.09	0.075	O	|	|	|	|	0.04
87.250	0.00	0.08	0.075	O	|	|	|	|	0.04
87.333	0.00	0.08	0.074	O	|	|	|	|	0.04
87.417	0.00	0.08	0.073	O	|	|	|	|	0.04
87.500	0.00	0.08	0.073	O	|	|	|	|	0.04
87.583	0.00	0.08	0.072	O	|	|	|	|	0.04
87.667	0.00	0.08	0.072	O	|	|	|	|	0.04
87.750	0.00	0.08	0.071	O	|	|	|	|	0.03
87.833	0.00	0.08	0.071	O	|	|	|	|	0.03
87.917	0.00	0.08	0.070	O	|	|	|	|	0.03
88.000	0.00	0.08	0.070	O	|	|	|	|	0.03
88.083	0.00	0.08	0.069	O	|	|	|	|	0.03
88.167	0.00	0.08	0.068	O	|	|	|	|	0.03
88.250	0.00	0.08	0.068	O	|	|	|	|	0.03
88.333	0.00	0.08	0.067	O	|	|	|	|	0.03
88.417	0.00	0.08	0.067	O	|	|	|	|	0.03
88.500	0.00	0.08	0.066	O	|	|	|	|	0.03
88.583	0.00	0.07	0.066	O	|	|	|	|	0.03
88.667	0.00	0.07	0.065	O	|	|	|	|	0.03
88.750	0.00	0.07	0.065	O	|	|	|	|	0.03
88.833	0.00	0.07	0.064	O	|	|	|	|	0.03
88.917	0.00	0.07	0.064	O	|	|	|	|	0.03
89.000	0.00	0.07	0.063	O	|	|	|	|	0.03
89.083	0.00	0.07	0.063	O	|	|	|	|	0.03
89.167	0.00	0.07	0.062	O	|	|	|	|	0.03
89.250	0.00	0.07	0.062	O	|	|	|	|	0.03
89.333	0.00	0.07	0.061	O	|	|	|	|	0.03
89.417	0.00	0.07	0.061	O	|	|	|	|	0.03
89.500	0.00	0.07	0.060	O	|	|	|	|	0.03
89.583	0.00	0.07	0.060	O	|	|	|	|	0.03
89.667	0.00	0.07	0.060	O	|	|	|	|	0.03
89.750	0.00	0.07	0.059	O	|	|	|	|	0.03
89.833	0.00	0.07	0.059	O	|	|	|	|	0.03
89.917	0.00	0.07	0.058	O	|	|	|	|	0.03
90.000	0.00	0.07	0.058	O	|	|	|	|	0.03
90.083	0.00	0.06	0.057	O	|	|	|	|	0.03
90.167	0.00	0.06	0.057	O	|	|	|	|	0.03
90.250	0.00	0.06	0.056	O	|	|	|	|	0.03
90.333	0.00	0.06	0.056	O	|	|	|	|	0.03
90.417	0.00	0.06	0.055	O	|	|	|	|	0.03
90.500	0.00	0.06	0.055	O	|	|	|	|	0.03
90.583	0.00	0.06	0.055	O	|	|	|	|	0.03
90.667	0.00	0.06	0.054	O	|	|	|	|	0.03

90.750	0.00	0.06	0.054	O	|	|	|	|	0.03
90.833	0.00	0.06	0.053	O	|	|	|	|	0.03
90.917	0.00	0.06	0.053	O	|	|	|	|	0.03
91.000	0.00	0.06	0.053	O	|	|	|	|	0.03
91.083	0.00	0.06	0.052	O	|	|	|	|	0.03
91.167	0.00	0.06	0.052	O	|	|	|	|	0.03
91.250	0.00	0.06	0.051	O	|	|	|	|	0.03
91.333	0.00	0.06	0.051	O	|	|	|	|	0.02
91.417	0.00	0.06	0.051	O	|	|	|	|	0.02
91.500	0.00	0.06	0.050	O	|	|	|	|	0.02
91.583	0.00	0.06	0.050	O	|	|	|	|	0.02
91.667	0.00	0.06	0.049	O	|	|	|	|	0.02
91.750	0.00	0.06	0.049	O	|	|	|	|	0.02
91.833	0.00	0.06	0.049	O	|	|	|	|	0.02
91.917	0.00	0.05	0.048	O	|	|	|	|	0.02
92.000	0.00	0.05	0.048	O	|	|	|	|	0.02
92.083	0.00	0.05	0.047	O	|	|	|	|	0.02
92.167	0.00	0.05	0.047	O	|	|	|	|	0.02
92.250	0.00	0.05	0.047	O	|	|	|	|	0.02
92.333	0.00	0.05	0.046	O	|	|	|	|	0.02
92.417	0.00	0.05	0.046	O	|	|	|	|	0.02
92.500	0.00	0.05	0.046	O	|	|	|	|	0.02
92.583	0.00	0.05	0.045	O	|	|	|	|	0.02
92.667	0.00	0.05	0.045	O	|	|	|	|	0.02
92.750	0.00	0.05	0.045	O	|	|	|	|	0.02
92.833	0.00	0.05	0.044	O	|	|	|	|	0.02
92.917	0.00	0.05	0.044	O	|	|	|	|	0.02
93.000	0.00	0.05	0.044	O	|	|	|	|	0.02
93.083	0.00	0.05	0.043	O	|	|	|	|	0.02
93.167	0.00	0.05	0.043	O	|	|	|	|	0.02
93.250	0.00	0.05	0.043	O	|	|	|	|	0.02
93.333	0.00	0.05	0.042	O	|	|	|	|	0.02
93.417	0.00	0.05	0.042	O	|	|	|	|	0.02
93.500	0.00	0.05	0.042	O	|	|	|	|	0.02
93.583	0.00	0.05	0.041	O	|	|	|	|	0.02
93.667	0.00	0.05	0.041	O	|	|	|	|	0.02
93.750	0.00	0.05	0.041	O	|	|	|	|	0.02
93.833	0.00	0.05	0.040	O	|	|	|	|	0.02
93.917	0.00	0.05	0.040	O	|	|	|	|	0.02
94.000	0.00	0.04	0.040	O	|	|	|	|	0.02
94.083	0.00	0.04	0.039	O	|	|	|	|	0.02
94.167	0.00	0.04	0.039	O	|	|	|	|	0.02
94.250	0.00	0.04	0.039	O	|	|	|	|	0.02
94.333	0.00	0.04	0.038	O	|	|	|	|	0.02
94.417	0.00	0.04	0.038	O	|	|	|	|	0.02
94.500	0.00	0.04	0.038	O	|	|	|	|	0.02
94.583	0.00	0.04	0.038	O	|	|	|	|	0.02
94.667	0.00	0.04	0.037	O	|	|	|	|	0.02
94.750	0.00	0.04	0.037	O	|	|	|	|	0.02
94.833	0.00	0.04	0.037	O	|	|	|	|	0.02
94.917	0.00	0.04	0.036	O	|	|	|	|	0.02
95.000	0.00	0.04	0.036	O	|	|	|	|	0.02
95.083	0.00	0.04	0.036	O	|	|	|	|	0.02
95.167	0.00	0.04	0.036	O	|	|	|	|	0.02
95.250	0.00	0.04	0.035	O	|	|	|	|	0.02
95.333	0.00	0.04	0.035	O	|	|	|	|	0.02
95.417	0.00	0.04	0.035	O	|	|	|	|	0.02
95.500	0.00	0.04	0.034	O	|	|	|	|	0.02
95.583	0.00	0.04	0.034	O	|	|	|	|	0.02
95.667	0.00	0.04	0.034	O	|	|	|	|	0.02
95.750	0.00	0.04	0.034	O	|	|	|	|	0.02
95.833	0.00	0.04	0.033	O	|	|	|	|	0.02
95.917	0.00	0.04	0.033	O	|	|	|	|	0.02
96.000	0.00	0.04	0.033	O	|	|	|	|	0.02
96.083	0.00	0.04	0.033	O	|	|	|	|	0.02
96.167	0.00	0.04	0.032	O	|	|	|	|	0.02
96.250	0.00	0.04	0.032	O	|	|	|	|	0.02
96.333	0.00	0.04	0.032	O	|	|	|	|	0.02

96.417	0.00	0.04	0.032	O	|	|	|	|	0.02
96.500	0.00	0.04	0.031	O	|	|	|	|	0.02
96.583	0.00	0.04	0.031	O	|	|	|	|	0.02
96.667	0.00	0.04	0.031	O	|	|	|	|	0.02
96.750	0.00	0.03	0.031	O	|	|	|	|	0.01
96.833	0.00	0.03	0.030	O	|	|	|	|	0.01
96.917	0.00	0.03	0.030	O	|	|	|	|	0.01
97.000	0.00	0.03	0.030	O	|	|	|	|	0.01
97.083	0.00	0.03	0.030	O	|	|	|	|	0.01
97.167	0.00	0.03	0.030	O	|	|	|	|	0.01
97.250	0.00	0.03	0.029	O	|	|	|	|	0.01
97.333	0.00	0.03	0.029	O	|	|	|	|	0.01
97.417	0.00	0.03	0.029	O	|	|	|	|	0.01
97.500	0.00	0.03	0.029	O	|	|	|	|	0.01
97.583	0.00	0.03	0.028	O	|	|	|	|	0.01
97.667	0.00	0.03	0.028	O	|	|	|	|	0.01
97.750	0.00	0.03	0.028	O	|	|	|	|	0.01
97.833	0.00	0.03	0.028	O	|	|	|	|	0.01
97.917	0.00	0.03	0.028	O	|	|	|	|	0.01
98.000	0.00	0.03	0.027	O	|	|	|	|	0.01
98.083	0.00	0.03	0.027	O	|	|	|	|	0.01
98.167	0.00	0.03	0.027	O	|	|	|	|	0.01
98.250	0.00	0.03	0.027	O	|	|	|	|	0.01
98.333	0.00	0.03	0.026	O	|	|	|	|	0.01
98.417	0.00	0.03	0.026	O	|	|	|	|	0.01
98.500	0.00	0.03	0.026	O	|	|	|	|	0.01
98.583	0.00	0.03	0.026	O	|	|	|	|	0.01
98.667	0.00	0.03	0.026	O	|	|	|	|	0.01
98.750	0.00	0.03	0.025	O	|	|	|	|	0.01
98.833	0.00	0.03	0.025	O	|	|	|	|	0.01
98.917	0.00	0.03	0.025	O	|	|	|	|	0.01
99.000	0.00	0.03	0.025	O	|	|	|	|	0.01
99.083	0.00	0.03	0.025	O	|	|	|	|	0.01
99.167	0.00	0.03	0.024	O	|	|	|	|	0.01
99.250	0.00	0.03	0.024	O	|	|	|	|	0.01
99.333	0.00	0.03	0.024	O	|	|	|	|	0.01
99.417	0.00	0.03	0.024	O	|	|	|	|	0.01
99.500	0.00	0.03	0.024	O	|	|	|	|	0.01
99.583	0.00	0.03	0.024	O	|	|	|	|	0.01
99.667	0.00	0.03	0.023	O	|	|	|	|	0.01
99.750	0.00	0.03	0.023	O	|	|	|	|	0.01
99.833	0.00	0.03	0.023	O	|	|	|	|	0.01
99.917	0.00	0.03	0.023	O	|	|	|	|	0.01
100.000	0.00	0.03	0.023	O	|	|	|	|	0.01
100.083	0.00	0.03	0.022	O	|	|	|	|	0.01
100.167	0.00	0.03	0.022	O	|	|	|	|	0.01
100.250	0.00	0.03	0.022	O	|	|	|	|	0.01
100.333	0.00	0.02	0.022	O	|	|	|	|	0.01
100.417	0.00	0.02	0.022	O	|	|	|	|	0.01
100.500	0.00	0.02	0.022	O	|	|	|	|	0.01
100.583	0.00	0.02	0.021	O	|	|	|	|	0.01
100.667	0.00	0.02	0.021	O	|	|	|	|	0.01
100.750	0.00	0.02	0.021	O	|	|	|	|	0.01
100.833	0.00	0.02	0.021	O	|	|	|	|	0.01
100.917	0.00	0.02	0.021	O	|	|	|	|	0.01
101.000	0.00	0.02	0.021	O	|	|	|	|	0.01
101.083	0.00	0.02	0.020	O	|	|	|	|	0.01
101.167	0.00	0.02	0.020	O	|	|	|	|	0.01
101.250	0.00	0.02	0.020	O	|	|	|	|	0.01
101.333	0.00	0.02	0.020	O	|	|	|	|	0.01
101.417	0.00	0.02	0.020	O	|	|	|	|	0.01
101.500	0.00	0.02	0.020	O	|	|	|	|	0.01
101.583	0.00	0.02	0.020	O	|	|	|	|	0.01
101.667	0.00	0.02	0.019	O	|	|	|	|	0.01
101.750	0.00	0.02	0.019	O	|	|	|	|	0.01
101.833	0.00	0.02	0.019	O	|	|	|	|	0.01
101.917	0.00	0.02	0.019	O	|	|	|	|	0.01
102.000	0.00	0.02	0.019	O	|	|	|	|	0.01

102.083	0.00	0.02	0.019	O	|	|	|	|	0.01
102.167	0.00	0.02	0.018	O	|	|	|	|	0.01
102.250	0.00	0.02	0.018	O	|	|	|	|	0.01
102.333	0.00	0.02	0.018	O	|	|	|	|	0.01
102.417	0.00	0.02	0.018	O	|	|	|	|	0.01
102.500	0.00	0.02	0.018	O	|	|	|	|	0.01
102.583	0.00	0.02	0.018	O	|	|	|	|	0.01
102.667	0.00	0.02	0.018	O	|	|	|	|	0.01
102.750	0.00	0.02	0.018	O	|	|	|	|	0.01
102.833	0.00	0.02	0.017	O	|	|	|	|	0.01
102.917	0.00	0.02	0.017	O	|	|	|	|	0.01
103.000	0.00	0.02	0.017	O	|	|	|	|	0.01
103.083	0.00	0.02	0.017	O	|	|	|	|	0.01
103.167	0.00	0.02	0.017	O	|	|	|	|	0.01
103.250	0.00	0.02	0.017	O	|	|	|	|	0.01
103.333	0.00	0.02	0.017	O	|	|	|	|	0.01
103.417	0.00	0.02	0.016	O	|	|	|	|	0.01
103.500	0.00	0.02	0.016	O	|	|	|	|	0.01
103.583	0.00	0.02	0.016	O	|	|	|	|	0.01
103.667	0.00	0.02	0.016	O	|	|	|	|	0.01
103.750	0.00	0.02	0.016	O	|	|	|	|	0.01
103.833	0.00	0.02	0.016	O	|	|	|	|	0.01
103.917	0.00	0.02	0.016	O	|	|	|	|	0.01
104.000	0.00	0.02	0.016	O	|	|	|	|	0.01
104.083	0.00	0.02	0.015	O	|	|	|	|	0.01
104.167	0.00	0.02	0.015	O	|	|	|	|	0.01
104.250	0.00	0.02	0.015	O	|	|	|	|	0.01
104.333	0.00	0.02	0.015	O	|	|	|	|	0.01
104.417	0.00	0.02	0.015	O	|	|	|	|	0.01
104.500	0.00	0.02	0.015	O	|	|	|	|	0.01
104.583	0.00	0.02	0.015	O	|	|	|	|	0.01
104.667	0.00	0.02	0.015	O	|	|	|	|	0.01
104.750	0.00	0.02	0.015	O	|	|	|	|	0.01
104.833	0.00	0.02	0.014	O	|	|	|	|	0.01
104.917	0.00	0.02	0.014	O	|	|	|	|	0.01
105.000	0.00	0.02	0.014	O	|	|	|	|	0.01
105.083	0.00	0.02	0.014	O	|	|	|	|	0.01
105.167	0.00	0.02	0.014	O	|	|	|	|	0.01
105.250	0.00	0.02	0.014	O	|	|	|	|	0.01
105.333	0.00	0.02	0.014	O	|	|	|	|	0.01
105.417	0.00	0.02	0.014	O	|	|	|	|	0.01
105.500	0.00	0.02	0.014	O	|	|	|	|	0.01
105.583	0.00	0.02	0.013	O	|	|	|	|	0.01
105.667	0.00	0.02	0.013	O	|	|	|	|	0.01
105.750	0.00	0.01	0.013	O	|	|	|	|	0.01
105.833	0.00	0.01	0.013	O	|	|	|	|	0.01
105.917	0.00	0.01	0.013	O	|	|	|	|	0.01
106.000	0.00	0.01	0.013	O	|	|	|	|	0.01
106.083	0.00	0.01	0.013	O	|	|	|	|	0.01
106.167	0.00	0.01	0.013	O	|	|	|	|	0.01
106.250	0.00	0.01	0.013	O	|	|	|	|	0.01
106.333	0.00	0.01	0.013	O	|	|	|	|	0.01
106.417	0.00	0.01	0.012	O	|	|	|	|	0.01
106.500	0.00	0.01	0.012	O	|	|	|	|	0.01
106.583	0.00	0.01	0.012	O	|	|	|	|	0.01
106.667	0.00	0.01	0.012	O	|	|	|	|	0.01
106.750	0.00	0.01	0.012	O	|	|	|	|	0.01
106.833	0.00	0.01	0.012	O	|	|	|	|	0.01
106.917	0.00	0.01	0.012	O	|	|	|	|	0.01
107.000	0.00	0.01	0.012	O	|	|	|	|	0.01
107.083	0.00	0.01	0.012	O	|	|	|	|	0.01
107.167	0.00	0.01	0.012	O	|	|	|	|	0.01
107.250	0.00	0.01	0.011	O	|	|	|	|	0.01
107.333	0.00	0.01	0.011	O	|	|	|	|	0.01
107.417	0.00	0.01	0.011	O	|	|	|	|	0.01
107.500	0.00	0.01	0.011	O	|	|	|	|	0.01
107.583	0.00	0.01	0.011	O	|	|	|	|	0.01
107.667	0.00	0.01	0.011	O	|	|	|	|	0.01

107.750	0.00	0.01	0.011	O	|	|	|	|	0.01
107.833	0.00	0.01	0.011	O	|	|	|	|	0.01
107.917	0.00	0.01	0.011	O	|	|	|	|	0.01
108.000	0.00	0.01	0.011	O	|	|	|	|	0.01
108.083	0.00	0.01	0.011	O	|	|	|	|	0.01
108.167	0.00	0.01	0.011	O	|	|	|	|	0.01
108.250	0.00	0.01	0.010	O	|	|	|	|	0.01
108.333	0.00	0.01	0.010	O	|	|	|	|	0.01
108.417	0.00	0.01	0.010	O	|	|	|	|	0.01
108.500	0.00	0.01	0.010	O	|	|	|	|	0.00
108.583	0.00	0.01	0.010	O	|	|	|	|	0.00
108.667	0.00	0.01	0.010	O	|	|	|	|	0.00
108.750	0.00	0.01	0.010	O	|	|	|	|	0.00
108.833	0.00	0.01	0.010	O	|	|	|	|	0.00
108.917	0.00	0.01	0.010	O	|	|	|	|	0.00
109.000	0.00	0.01	0.010	O	|	|	|	|	0.00
109.083	0.00	0.01	0.010	O	|	|	|	|	0.00
109.167	0.00	0.01	0.010	O	|	|	|	|	0.00
109.250	0.00	0.01	0.010	O	|	|	|	|	0.00
109.333	0.00	0.01	0.009	O	|	|	|	|	0.00
109.417	0.00	0.01	0.009	O	|	|	|	|	0.00
109.500	0.00	0.01	0.009	O	|	|	|	|	0.00
109.583	0.00	0.01	0.009	O	|	|	|	|	0.00
109.667	0.00	0.01	0.009	O	|	|	|	|	0.00
109.750	0.00	0.01	0.009	O	|	|	|	|	0.00
109.833	0.00	0.01	0.009	O	|	|	|	|	0.00
109.917	0.00	0.01	0.009	O	|	|	|	|	0.00
110.000	0.00	0.01	0.009	O	|	|	|	|	0.00
110.083	0.00	0.01	0.009	O	|	|	|	|	0.00
110.167	0.00	0.01	0.009	O	|	|	|	|	0.00
110.250	0.00	0.01	0.009	O	|	|	|	|	0.00
110.333	0.00	0.01	0.009	O	|	|	|	|	0.00
110.417	0.00	0.01	0.009	O	|	|	|	|	0.00
110.500	0.00	0.01	0.008	O	|	|	|	|	0.00
110.583	0.00	0.01	0.008	O	|	|	|	|	0.00
110.667	0.00	0.01	0.008	O	|	|	|	|	0.00
110.750	0.00	0.01	0.008	O	|	|	|	|	0.00
110.833	0.00	0.01	0.008	O	|	|	|	|	0.00
110.917	0.00	0.01	0.008	O	|	|	|	|	0.00
111.000	0.00	0.01	0.008	O	|	|	|	|	0.00
111.083	0.00	0.01	0.008	O	|	|	|	|	0.00
111.167	0.00	0.01	0.008	O	|	|	|	|	0.00
111.250	0.00	0.01	0.008	O	|	|	|	|	0.00
111.333	0.00	0.01	0.008	O	|	|	|	|	0.00
111.417	0.00	0.01	0.008	O	|	|	|	|	0.00
111.500	0.00	0.01	0.008	O	|	|	|	|	0.00
111.583	0.00	0.01	0.008	O	|	|	|	|	0.00
111.667	0.00	0.01	0.008	O	|	|	|	|	0.00
111.750	0.00	0.01	0.008	O	|	|	|	|	0.00
111.833	0.00	0.01	0.007	O	|	|	|	|	0.00
111.917	0.00	0.01	0.007	O	|	|	|	|	0.00
112.000	0.00	0.01	0.007	O	|	|	|	|	0.00
112.083	0.00	0.01	0.007	O	|	|	|	|	0.00
112.167	0.00	0.01	0.007	O	|	|	|	|	0.00
112.250	0.00	0.01	0.007	O	|	|	|	|	0.00
112.333	0.00	0.01	0.007	O	|	|	|	|	0.00
112.417	0.00	0.01	0.007	O	|	|	|	|	0.00
112.500	0.00	0.01	0.007	O	|	|	|	|	0.00
112.583	0.00	0.01	0.007	O	|	|	|	|	0.00
112.667	0.00	0.01	0.007	O	|	|	|	|	0.00
112.750	0.00	0.01	0.007	O	|	|	|	|	0.00
112.833	0.00	0.01	0.007	O	|	|	|	|	0.00
112.917	0.00	0.01	0.007	O	|	|	|	|	0.00
113.000	0.00	0.01	0.007	O	|	|	|	|	0.00
113.083	0.00	0.01	0.007	O	|	|	|	|	0.00
113.167	0.00	0.01	0.007	O	|	|	|	|	0.00
113.250	0.00	0.01	0.007	O	|	|	|	|	0.00
113.333	0.00	0.01	0.007	O	|	|	|	|	0.00

113.417	0.00	0.01	0.006	O					0.00
113.500	0.00	0.01	0.006	O					0.00
113.583	0.00	0.01	0.006	O					0.00
113.667	0.00	0.01	0.006	O					0.00
113.750	0.00	0.01	0.006	O					0.00
113.833	0.00	0.01	0.006	O					0.00
113.917	0.00	0.01	0.006	O					0.00
114.000	0.00	0.01	0.006	O					0.00
114.083	0.00	0.01	0.006	O					0.00
114.167	0.00	0.01	0.006	O					0.00
114.250	0.00	0.01	0.006	O					0.00
114.333	0.00	0.01	0.006	O					0.00
114.417	0.00	0.01	0.006	O					0.00
114.500	0.00	0.01	0.006	O					0.00
114.583	0.00	0.01	0.006	O					0.00
114.667	0.00	0.01	0.006	O					0.00
114.750	0.00	0.01	0.006	O					0.00
114.833	0.00	0.01	0.006	O					0.00
114.917	0.00	0.01	0.006	O					0.00
115.000	0.00	0.01	0.006	O					0.00
115.083	0.00	0.01	0.006	O					0.00
115.167	0.00	0.01	0.005	O					0.00
115.250	0.00	0.01	0.005	O					0.00
115.333	0.00	0.01	0.005	O					0.00
115.417	0.00	0.01	0.005	O					0.00
115.500	0.00	0.01	0.005	O					0.00
115.583	0.00	0.01	0.005	O					0.00
115.667	0.00	0.01	0.005	O					0.00
115.750	0.00	0.01	0.005	O					0.00
115.833	0.00	0.01	0.005	O					0.00
115.917	0.00	0.01	0.005	O					0.00
116.000	0.00	0.01	0.005	O					0.00
116.083	0.00	0.01	0.005	O					0.00
116.167	0.00	0.01	0.005	O					0.00
116.250	0.00	0.01	0.005	O					0.00
116.333	0.00	0.01	0.005	O					0.00
116.417	0.00	0.01	0.005	O					0.00
116.500	0.00	0.01	0.005	O					0.00
116.583	0.00	0.01	0.005	O					0.00
116.667	0.00	0.01	0.005	O					0.00
116.750	0.00	0.01	0.005	O					0.00
116.833	0.00	0.01	0.005	O					0.00
116.917	0.00	0.01	0.005	O					0.00
117.000	0.00	0.01	0.005	O					0.00
117.083	0.00	0.01	0.005	O					0.00
117.167	0.00	0.01	0.005	O					0.00
117.250	0.00	0.01	0.005	O					0.00
117.333	0.00	0.01	0.004	O					0.00
117.417	0.00	0.01	0.004	O					0.00
117.500	0.00	0.00	0.004	O					0.00
117.583	0.00	0.00	0.004	O					0.00
117.667	0.00	0.00	0.004	O					0.00
117.750	0.00	0.00	0.004	O					0.00
117.833	0.00	0.00	0.004	O					0.00
117.917	0.00	0.00	0.004	O					0.00
118.000	0.00	0.00	0.004	O					0.00
118.083	0.00	0.00	0.004	O					0.00
118.167	0.00	0.00	0.004	O					0.00
118.250	0.00	0.00	0.004	O					0.00
118.333	0.00	0.00	0.004	O					0.00
118.417	0.00	0.00	0.004	O					0.00
118.500	0.00	0.00	0.004	O					0.00
118.583	0.00	0.00	0.004	O					0.00
118.667	0.00	0.00	0.004	O					0.00
118.750	0.00	0.00	0.004	O					0.00
118.833	0.00	0.00	0.004	O					0.00
118.917	0.00	0.00	0.004	O					0.00
119.000	0.00	0.00	0.004	O					0.00

119.083	0.00	0.00	0.004	O					0.00
119.167	0.00	0.00	0.004	O					0.00
119.250	0.00	0.00	0.004	O					0.00
119.333	0.00	0.00	0.004	O					0.00
119.417	0.00	0.00	0.004	O					0.00
119.500	0.00	0.00	0.004	O					0.00
119.583	0.00	0.00	0.004	O					0.00
119.667	0.00	0.00	0.004	O					0.00
119.750	0.00	0.00	0.004	O					0.00
119.833	0.00	0.00	0.004	O					0.00
119.917	0.00	0.00	0.004	O					0.00
120.000	0.00	0.00	0.003	O					0.00
120.083	0.00	0.00	0.003	O					0.00
120.167	0.00	0.00	0.003	O					0.00
120.250	0.00	0.00	0.003	O					0.00
120.333	0.00	0.00	0.003	O					0.00
120.417	0.00	0.00	0.003	O					0.00
120.500	0.00	0.00	0.003	O					0.00
120.583	0.00	0.00	0.003	O					0.00
120.667	0.00	0.00	0.003	O					0.00
120.750	0.00	0.00	0.003	O					0.00
120.833	0.00	0.00	0.003	O					0.00
120.917	0.00	0.00	0.003	O					0.00
121.000	0.00	0.00	0.003	O					0.00
121.083	0.00	0.00	0.003	O					0.00
121.167	0.00	0.00	0.003	O					0.00
121.250	0.00	0.00	0.003	O					0.00
121.333	0.00	0.00	0.003	O					0.00
121.417	0.00	0.00	0.003	O					0.00
121.500	0.00	0.00	0.003	O					0.00
121.583	0.00	0.00	0.003	O					0.00
121.667	0.00	0.00	0.003	O					0.00
121.750	0.00	0.00	0.003	O					0.00
121.833	0.00	0.00	0.003	O					0.00
121.917	0.00	0.00	0.003	O					0.00
122.000	0.00	0.00	0.003	O					0.00
122.083	0.00	0.00	0.003	O					0.00
122.167	0.00	0.00	0.003	O					0.00
122.250	0.00	0.00	0.003	O					0.00
122.333	0.00	0.00	0.003	O					0.00
122.417	0.00	0.00	0.003	O					0.00
122.500	0.00	0.00	0.003	O					0.00
122.583	0.00	0.00	0.003	O					0.00
122.667	0.00	0.00	0.003	O					0.00
122.750	0.00	0.00	0.003	O					0.00
122.833	0.00	0.00	0.003	O					0.00
122.917	0.00	0.00	0.003	O					0.00
123.000	0.00	0.00	0.003	O					0.00
123.083	0.00	0.00	0.003	O					0.00
123.167	0.00	0.00	0.003	O					0.00
123.250	0.00	0.00	0.003	O					0.00
123.333	0.00	0.00	0.003	O					0.00
123.417	0.00	0.00	0.003	O					0.00
123.500	0.00	0.00	0.003	O					0.00
123.583	0.00	0.00	0.002	O					0.00
123.667	0.00	0.00	0.002	O					0.00
123.750	0.00	0.00	0.002	O					0.00
123.833	0.00	0.00	0.002	O					0.00
123.917	0.00	0.00	0.002	O					0.00
124.000	0.00	0.00	0.002	O					0.00
124.083	0.00	0.00	0.002	O					0.00
124.167	0.00	0.00	0.002	O					0.00
124.250	0.00	0.00	0.002	O					0.00
124.333	0.00	0.00	0.002	O					0.00
124.417	0.00	0.00	0.002	O					0.00
124.500	0.00	0.00	0.002	O					0.00
124.583	0.00	0.00	0.002	O					0.00
124.667	0.00	0.00	0.002	O					0.00

124.750	0.00	0.00	0.002	O	|	|	|	|	0.00
124.833	0.00	0.00	0.002	O	|	|	|	|	0.00
124.917	0.00	0.00	0.002	O	|	|	|	|	0.00
125.000	0.00	0.00	0.002	O	|	|	|	|	0.00
125.083	0.00	0.00	0.002	O	|	|	|	|	0.00
125.167	0.00	0.00	0.002	O	|	|	|	|	0.00
125.250	0.00	0.00	0.002	O	|	|	|	|	0.00
125.333	0.00	0.00	0.002	O	|	|	|	|	0.00
125.417	0.00	0.00	0.002	O	|	|	|	|	0.00
125.500	0.00	0.00	0.002	O	|	|	|	|	0.00
125.583	0.00	0.00	0.002	O	|	|	|	|	0.00
125.667	0.00	0.00	0.002	O	|	|	|	|	0.00
125.750	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1509
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 104.034 (CFS)
Total volume = 53.838 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

BASIN C

UNIT HYDROGRAPH

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/08/21 File: RVEXC242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

RIO VISTA DEVELOPMENT
BASIN C- EXISTING UNIT HYDROGRAPH
2YR-24HRS

Drainage Area = 47.22(Ac.) = 0.074 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 47.22(Ac.) = 0.074 Sq. Mi.
Length along longest watercourse = 3940.00(Ft.)
Length along longest watercourse measured to centroid = 2045.00(Ft.)
Length along longest watercourse = 0.746 Mi.
Length along longest watercourse measured to centroid = 0.387 Mi.
Difference in elevation = 139.75(Ft.)
Slope along watercourse = 187.2792 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.222 Hr.
Lag time = 13.30 Min.
25% of lag time = 3.32 Min.
40% of lag time = 5.32 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	2.70	127.49

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	7.00	330.54

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
47.220	86.00	0.000

Total Area Entered = 47.22(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
					Sum (F) =	0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	37.598	3.974	1.891
2	0.167	75.197	16.025	7.626
3	0.250	112.795	25.258	12.020
4	0.333	150.394	18.596	8.850
5	0.417	187.992	9.307	4.429
6	0.500	225.591	5.602	2.666
7	0.583	263.189	4.150	1.975
8	0.667	300.788	3.262	1.552
9	0.750	338.386	2.502	1.191
10	0.833	375.985	2.112	1.005
11	0.917	413.583	1.654	0.787
12	1.000	451.182	1.295	0.616
13	1.083	488.780	1.163	0.554
14	1.167	526.379	1.054	0.502
15	1.250	563.977	0.830	0.395
16	1.333	601.576	0.706	0.336
17	1.417	639.174	0.595	0.283
18	1.500	676.773	0.488	0.232
19	1.583	714.371	0.382	0.182
20	1.667	751.970	0.376	0.179
21	1.750	789.568	0.376	0.179
22	1.833	827.167	0.292	0.139
		Sum = 100.000	Sum=	47.589

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.608)	0.019	0.002
2	0.17	0.07	0.022	(0.606)	0.019	0.002
3	0.25	0.07	0.022	(0.604)	0.019	0.002
4	0.33	0.10	0.032	(0.601)	0.029	0.003
5	0.42	0.10	0.032	(0.599)	0.029	0.003
6	0.50	0.10	0.032	(0.597)	0.029	0.003
7	0.58	0.10	0.032	(0.594)	0.029	0.003
8	0.67	0.10	0.032	(0.592)	0.029	0.003

9	0.75	0.10	0.032	(0.590)	0.029	0.003
10	0.83	0.13	0.043	(0.587)	0.039	0.004
11	0.92	0.13	0.043	(0.585)	0.039	0.004
12	1.00	0.13	0.043	(0.583)	0.039	0.004
13	1.08	0.10	0.032	(0.580)	0.029	0.003
14	1.17	0.10	0.032	(0.578)	0.029	0.003
15	1.25	0.10	0.032	(0.576)	0.029	0.003
16	1.33	0.10	0.032	(0.573)	0.029	0.003
17	1.42	0.10	0.032	(0.571)	0.029	0.003
18	1.50	0.10	0.032	(0.569)	0.029	0.003
19	1.58	0.10	0.032	(0.567)	0.029	0.003
20	1.67	0.10	0.032	(0.564)	0.029	0.003
21	1.75	0.10	0.032	(0.562)	0.029	0.003
22	1.83	0.13	0.043	(0.560)	0.039	0.004
23	1.92	0.13	0.043	(0.558)	0.039	0.004
24	2.00	0.13	0.043	(0.555)	0.039	0.004
25	2.08	0.13	0.043	(0.553)	0.039	0.004
26	2.17	0.13	0.043	(0.551)	0.039	0.004
27	2.25	0.13	0.043	(0.549)	0.039	0.004
28	2.33	0.13	0.043	(0.546)	0.039	0.004
29	2.42	0.13	0.043	(0.544)	0.039	0.004
30	2.50	0.13	0.043	(0.542)	0.039	0.004
31	2.58	0.17	0.054	(0.540)	0.049	0.005
32	2.67	0.17	0.054	(0.537)	0.049	0.005
33	2.75	0.17	0.054	(0.535)	0.049	0.005
34	2.83	0.17	0.054	(0.533)	0.049	0.005
35	2.92	0.17	0.054	(0.531)	0.049	0.005
36	3.00	0.17	0.054	(0.529)	0.049	0.005
37	3.08	0.17	0.054	(0.526)	0.049	0.005
38	3.17	0.17	0.054	(0.524)	0.049	0.005
39	3.25	0.17	0.054	(0.522)	0.049	0.005
40	3.33	0.17	0.054	(0.520)	0.049	0.005
41	3.42	0.17	0.054	(0.518)	0.049	0.005
42	3.50	0.17	0.054	(0.516)	0.049	0.005
43	3.58	0.17	0.054	(0.513)	0.049	0.005
44	3.67	0.17	0.054	(0.511)	0.049	0.005
45	3.75	0.17	0.054	(0.509)	0.049	0.005
46	3.83	0.20	0.065	(0.507)	0.058	0.006
47	3.92	0.20	0.065	(0.505)	0.058	0.006
48	4.00	0.20	0.065	(0.503)	0.058	0.006
49	4.08	0.20	0.065	(0.501)	0.058	0.006
50	4.17	0.20	0.065	(0.498)	0.058	0.006
51	4.25	0.20	0.065	(0.496)	0.058	0.006
52	4.33	0.23	0.076	(0.494)	0.068	0.008
53	4.42	0.23	0.076	(0.492)	0.068	0.008
54	4.50	0.23	0.076	(0.490)	0.068	0.008
55	4.58	0.23	0.076	(0.488)	0.068	0.008
56	4.67	0.23	0.076	(0.486)	0.068	0.008
57	4.75	0.23	0.076	(0.484)	0.068	0.008
58	4.83	0.27	0.086	(0.482)	0.078	0.009
59	4.92	0.27	0.086	(0.480)	0.078	0.009
60	5.00	0.27	0.086	(0.477)	0.078	0.009
61	5.08	0.20	0.065	(0.475)	0.058	0.006
62	5.17	0.20	0.065	(0.473)	0.058	0.006
63	5.25	0.20	0.065	(0.471)	0.058	0.006
64	5.33	0.23	0.076	(0.469)	0.068	0.008
65	5.42	0.23	0.076	(0.467)	0.068	0.008
66	5.50	0.23	0.076	(0.465)	0.068	0.008
67	5.58	0.27	0.086	(0.463)	0.078	0.009
68	5.67	0.27	0.086	(0.461)	0.078	0.009
69	5.75	0.27	0.086	(0.459)	0.078	0.009
70	5.83	0.27	0.086	(0.457)	0.078	0.009
71	5.92	0.27	0.086	(0.455)	0.078	0.009
72	6.00	0.27	0.086	(0.453)	0.078	0.009
73	6.08	0.30	0.097	(0.451)	0.087	0.010
74	6.17	0.30	0.097	(0.449)	0.087	0.010
75	6.25	0.30	0.097	(0.447)	0.087	0.010
76	6.33	0.30	0.097	(0.445)	0.087	0.010
77	6.42	0.30	0.097	(0.443)	0.087	0.010
78	6.50	0.30	0.097	(0.441)	0.087	0.010
79	6.58	0.33	0.108	(0.439)	0.097	0.011
80	6.67	0.33	0.108	(0.437)	0.097	0.011
81	6.75	0.33	0.108	(0.435)	0.097	0.011
82	6.83	0.33	0.108	(0.433)	0.097	0.011
83	6.92	0.33	0.108	(0.431)	0.097	0.011
84	7.00	0.33	0.108	(0.429)	0.097	0.011
85	7.08	0.33	0.108	(0.427)	0.097	0.011
86	7.17	0.33	0.108	(0.425)	0.097	0.011
87	7.25	0.33	0.108	(0.423)	0.097	0.011
88	7.33	0.37	0.119	(0.421)	0.107	0.012
89	7.42	0.37	0.119	(0.419)	0.107	0.012
90	7.50	0.37	0.119	(0.417)	0.107	0.012
91	7.58	0.40	0.130	(0.416)	0.117	0.013
92	7.67	0.40	0.130	(0.414)	0.117	0.013
93	7.75	0.40	0.130	(0.412)	0.117	0.013
94	7.83	0.43	0.140	(0.410)	0.126	0.014
95	7.92	0.43	0.140	(0.408)	0.126	0.014
96	8.00	0.43	0.140	(0.406)	0.126	0.014
97	8.08	0.50	0.162	(0.404)	0.146	0.016
98	8.17	0.50	0.162	(0.402)	0.146	0.016
99	8.25	0.50	0.162	(0.400)	0.146	0.016
100	8.33	0.50	0.162	(0.399)	0.146	0.016
101	8.42	0.50	0.162	(0.397)	0.146	0.016
102	8.50	0.50	0.162	(0.395)	0.146	0.016
103	8.58	0.53	0.173	(0.393)	0.156	0.017
104	8.67	0.53	0.173	(0.391)	0.156	0.017
105	8.75	0.53	0.173	(0.389)	0.156	0.017
106	8.83	0.57	0.184	(0.387)	0.165	0.018
107	8.92	0.57	0.184	(0.386)	0.165	0.018
108	9.00	0.57	0.184	(0.384)	0.165	0.018
109	9.08	0.63	0.205	(0.382)	0.185	0.021
110	9.17	0.63	0.205	(0.380)	0.185	0.021
111	9.25	0.63	0.205	(0.378)	0.185	0.021
112	9.33	0.67	0.216	(0.377)	0.194	0.022
113	9.42	0.67	0.216	(0.375)	0.194	0.022
114	9.50	0.67	0.216	(0.373)	0.194	0.022
115	9.58	0.70	0.227	(0.371)	0.204	0.023
116	9.67	0.70	0.227	(0.369)	0.204	0.023
117	9.75	0.70	0.227	(0.368)	0.204	0.023
118	9.83	0.73	0.238	(0.366)	0.214	0.024
119	9.92	0.73	0.238	(0.364)	0.214	0.024
120	10.00	0.73	0.238	(0.362)	0.214	0.024
121	10.08	0.50	0.162	(0.361)	0.146	0.016
122	10.17	0.50	0.162	(0.359)	0.146	0.016
123	10.25	0.50	0.162	(0.357)	0.146	0.016
124	10.33	0.50	0.162	(0.355)	0.146	0.016
125	10.42	0.50	0.162	(0.354)	0.146	0.016
126	10.50	0.50	0.162	(0.352)	0.146	0.016
127	10.58	0.67	0.216	(0.350)	0.194	0.022
128	10.67	0.67	0.216	(0.348)	0.194	0.022

129	10.75	0.67	0.216	(0.347)	0.194	0.022
130	10.83	0.67	0.216	(0.345)	0.194	0.022
131	10.92	0.67	0.216	(0.343)	0.194	0.022
132	11.00	0.67	0.216	(0.342)	0.194	0.022
133	11.08	0.63	0.205	(0.340)	0.185	0.021
134	11.17	0.63	0.205	(0.338)	0.185	0.021
135	11.25	0.63	0.205	(0.337)	0.185	0.021
136	11.33	0.63	0.205	(0.335)	0.185	0.021
137	11.42	0.63	0.205	(0.333)	0.185	0.021
138	11.50	0.63	0.205	(0.332)	0.185	0.021
139	11.58	0.57	0.184	(0.330)	0.165	0.018
140	11.67	0.57	0.184	(0.328)	0.165	0.018
141	11.75	0.57	0.184	(0.327)	0.165	0.018
142	11.83	0.60	0.194	(0.325)	0.175	0.019
143	11.92	0.60	0.194	(0.324)	0.175	0.019
144	12.00	0.60	0.194	(0.322)	0.175	0.019
145	12.08	0.83	0.270	(0.320)	0.243	0.027
146	12.17	0.83	0.270	(0.319)	0.243	0.027
147	12.25	0.83	0.270	(0.317)	0.243	0.027
148	12.33	0.87	0.281	(0.316)	0.253	0.028
149	12.42	0.87	0.281	(0.314)	0.253	0.028
150	12.50	0.87	0.281	(0.312)	0.253	0.028
151	12.58	0.93	0.302	(0.311)	0.272	0.030
152	12.67	0.93	0.302	(0.309)	0.272	0.030
153	12.75	0.93	0.302	(0.308)	0.272	0.030
154	12.83	0.97	0.313	(0.306)	0.282	0.031
155	12.92	0.97	0.313	(0.305)	0.282	0.031
156	13.00	0.97	0.313	(0.303)	0.282	0.031
157	13.08	1.13	0.367	0.301	(0.330)	0.066
158	13.17	1.13	0.367	0.300	(0.330)	0.067
159	13.25	1.13	0.367	0.298	(0.330)	0.069
160	13.33	1.13	0.367	0.297	(0.330)	0.070
161	13.42	1.13	0.367	0.295	(0.330)	0.072
162	13.50	1.13	0.367	0.294	(0.330)	0.073
163	13.58	0.77	0.248	(0.292)	0.224	0.025
164	13.67	0.77	0.248	(0.291)	0.224	0.025
165	13.75	0.77	0.248	(0.289)	0.224	0.025
166	13.83	0.77	0.248	(0.288)	0.224	0.025
167	13.92	0.77	0.248	(0.286)	0.224	0.025
168	14.00	0.77	0.248	(0.285)	0.224	0.025
169	14.08	0.90	0.292	(0.284)	0.262	0.029
170	14.17	0.90	0.292	(0.282)	0.262	0.029
171	14.25	0.90	0.292	(0.281)	0.262	0.029
172	14.33	0.87	0.281	(0.279)	0.253	0.028
173	14.42	0.87	0.281	(0.278)	0.253	0.028
174	14.50	0.87	0.281	(0.276)	0.253	0.028
175	14.58	0.87	0.281	(0.275)	0.253	0.028
176	14.67	0.87	0.281	(0.274)	0.253	0.028
177	14.75	0.87	0.281	(0.272)	0.253	0.028
178	14.83	0.83	0.270	(0.271)	0.243	0.027
179	14.92	0.83	0.270	(0.269)	0.243	0.027
180	15.00	0.83	0.270	(0.268)	0.243	0.027
181	15.08	0.80	0.259	(0.267)	0.233	0.026
182	15.17	0.80	0.259	(0.265)	0.233	0.026
183	15.25	0.80	0.259	(0.264)	0.233	0.026
184	15.33	0.77	0.248	(0.263)	0.224	0.025
185	15.42	0.77	0.248	(0.261)	0.224	0.025
186	15.50	0.77	0.248	(0.260)	0.224	0.025
187	15.58	0.63	0.205	(0.259)	0.185	0.021
188	15.67	0.63	0.205	(0.257)	0.185	0.021
189	15.75	0.63	0.205	(0.256)	0.185	0.021
190	15.83	0.63	0.205	(0.255)	0.185	0.021
191	15.92	0.63	0.205	(0.253)	0.185	0.021
192	16.00	0.63	0.205	(0.252)	0.185	0.021
193	16.08	0.13	0.043	(0.251)	0.039	0.004
194	16.17	0.13	0.043	(0.249)	0.039	0.004
195	16.25	0.13	0.043	(0.248)	0.039	0.004
196	16.33	0.13	0.043	(0.247)	0.039	0.004
197	16.42	0.13	0.043	(0.246)	0.039	0.004
198	16.50	0.13	0.043	(0.244)	0.039	0.004
199	16.58	0.10	0.032	(0.243)	0.029	0.003
200	16.67	0.10	0.032	(0.242)	0.029	0.003
201	16.75	0.10	0.032	(0.241)	0.029	0.003
202	16.83	0.10	0.032	(0.239)	0.029	0.003
203	16.92	0.10	0.032	(0.238)	0.029	0.003
204	17.00	0.10	0.032	(0.237)	0.029	0.003
205	17.08	0.17	0.054	(0.236)	0.049	0.005
206	17.17	0.17	0.054	(0.235)	0.049	0.005
207	17.25	0.17	0.054	(0.233)	0.049	0.005
208	17.33	0.17	0.054	(0.232)	0.049	0.005
209	17.42	0.17	0.054	(0.231)	0.049	0.005
210	17.50	0.17	0.054	(0.230)	0.049	0.005
211	17.58	0.17	0.054	(0.229)	0.049	0.005
212	17.67	0.17	0.054	(0.228)	0.049	0.005
213	17.75	0.17	0.054	(0.227)	0.049	0.005
214	17.83	0.13	0.043	(0.225)	0.039	0.004
215	17.92	0.13	0.043	(0.224)	0.039	0.004
216	18.00	0.13	0.043	(0.223)	0.039	0.004
217	18.08	0.13	0.043	(0.222)	0.039	0.004
218	18.17	0.13	0.043	(0.221)	0.039	0.004
219	18.25	0.13	0.043	(0.220)	0.039	0.004
220	18.33	0.13	0.043	(0.219)	0.039	0.004
221	18.42	0.13	0.043	(0.218)	0.039	0.004
222	18.50	0.13	0.043	(0.217)	0.039	0.004
223	18.58	0.10	0.032	(0.216)	0.029	0.003
224	18.67	0.10	0.032	(0.215)	0.029	0.003
225	18.75	0.10	0.032	(0.214)	0.029	0.003
226	18.83	0.07	0.022	(0.213)	0.019	0.002
227	18.92	0.07	0.022	(0.212)	0.019	0.002
228	19.00	0.07	0.022	(0.211)	0.019	0.002
229	19.08	0.10	0.032	(0.210)	0.029	0.003
230	19.17	0.10	0.032	(0.209)	0.029	0.003
231	19.25	0.10	0.032	(0.208)	0.029	0.003
232	19.33	0.13	0.043	(0.207)	0.039	0.004
233	19.42	0.13	0.043	(0.206)	0.039	0.004
234	19.50	0.13	0.043	(0.205)	0.039	0.004
235	19.58	0.10	0.032	(0.204)	0.029	0.003
236	19.67	0.10	0.032	(0.203)	0.029	0.003
237	19.75	0.10	0.032	(0.202)	0.029	0.003
238	19.83	0.07	0.022	(0.201)	0.019	0.002
239	19.92	0.07	0.022	(0.200)	0.019	0.002
240	20.00	0.07	0.022	(0.199)	0.019	0.002
241	20.08	0.10	0.032	(0.198)	0.029	0.003
242	20.17	0.10	0.032	(0.197)	0.029	0.003
243	20.25	0.10	0.032	(0.197)	0.029	0.003
244	20.33	0.10	0.032	(0.196)	0.029	0.003
245	20.42	0.10	0.032	(0.195)	0.029	0.003
246	20.50	0.10	0.032	(0.194)	0.029	0.003
247	20.58	0.10	0.032	(0.193)	0.029	0.003
248	20.67	0.10	0.032	(0.192)	0.029	0.003

249	20.75	0.10	0.032	(0.192)	0.029	0.003
250	20.83	0.07	0.022	(0.191)	0.019	0.002
251	20.92	0.07	0.022	(0.190)	0.019	0.002
252	21.00	0.07	0.022	(0.189)	0.019	0.002
253	21.08	0.10	0.032	(0.189)	0.029	0.003
254	21.17	0.10	0.032	(0.188)	0.029	0.003
255	21.25	0.10	0.032	(0.187)	0.029	0.003
256	21.33	0.07	0.022	(0.186)	0.019	0.002
257	21.42	0.07	0.022	(0.186)	0.019	0.002
258	21.50	0.07	0.022	(0.185)	0.019	0.002
259	21.58	0.10	0.032	(0.184)	0.029	0.003
260	21.67	0.10	0.032	(0.184)	0.029	0.003
261	21.75	0.10	0.032	(0.183)	0.029	0.003
262	21.83	0.07	0.022	(0.182)	0.019	0.002
263	21.92	0.07	0.022	(0.182)	0.019	0.002
264	22.00	0.07	0.022	(0.181)	0.019	0.002
265	22.08	0.10	0.032	(0.181)	0.029	0.003
266	22.17	0.10	0.032	(0.180)	0.029	0.003
267	22.25	0.10	0.032	(0.179)	0.029	0.003
268	22.33	0.07	0.022	(0.179)	0.019	0.002
269	22.42	0.07	0.022	(0.178)	0.019	0.002
270	22.50	0.07	0.022	(0.178)	0.019	0.002
271	22.58	0.07	0.022	(0.177)	0.019	0.002
272	22.67	0.07	0.022	(0.177)	0.019	0.002
273	22.75	0.07	0.022	(0.176)	0.019	0.002
274	22.83	0.07	0.022	(0.176)	0.019	0.002
275	22.92	0.07	0.022	(0.175)	0.019	0.002
276	23.00	0.07	0.022	(0.175)	0.019	0.002
277	23.08	0.07	0.022	(0.175)	0.019	0.002
278	23.17	0.07	0.022	(0.174)	0.019	0.002
279	23.25	0.07	0.022	(0.174)	0.019	0.002
280	23.33	0.07	0.022	(0.173)	0.019	0.002
281	23.42	0.07	0.022	(0.173)	0.019	0.002
282	23.50	0.07	0.022	(0.173)	0.019	0.002
283	23.58	0.07	0.022	(0.173)	0.019	0.002
284	23.67	0.07	0.022	(0.172)	0.019	0.002
285	23.75	0.07	0.022	(0.172)	0.019	0.002
286	23.83	0.07	0.022	(0.172)	0.019	0.002
287	23.92	0.07	0.022	(0.172)	0.019	0.002
288	24.00	0.07	0.022	(0.172)	0.019	0.002

(Loss Rate Not Used)

Sum = 100.0 Sum = 3.4

Flood volume = Effective rainfall 0.29(In)
times area 47.2(Ac.)/[(In)/(Ft.)] = 1.1(Ac.Ft)
Total soil loss = 2.41(In)
Total soil loss = 9.497(Ac.Ft)
Total rainfall = 2.70(In)
Flood volume = 49085.7 Cubic Feet
Total soil loss = 413674.8 Cubic Feet

Peak flow rate of this hydrograph = 2.945(CFS)

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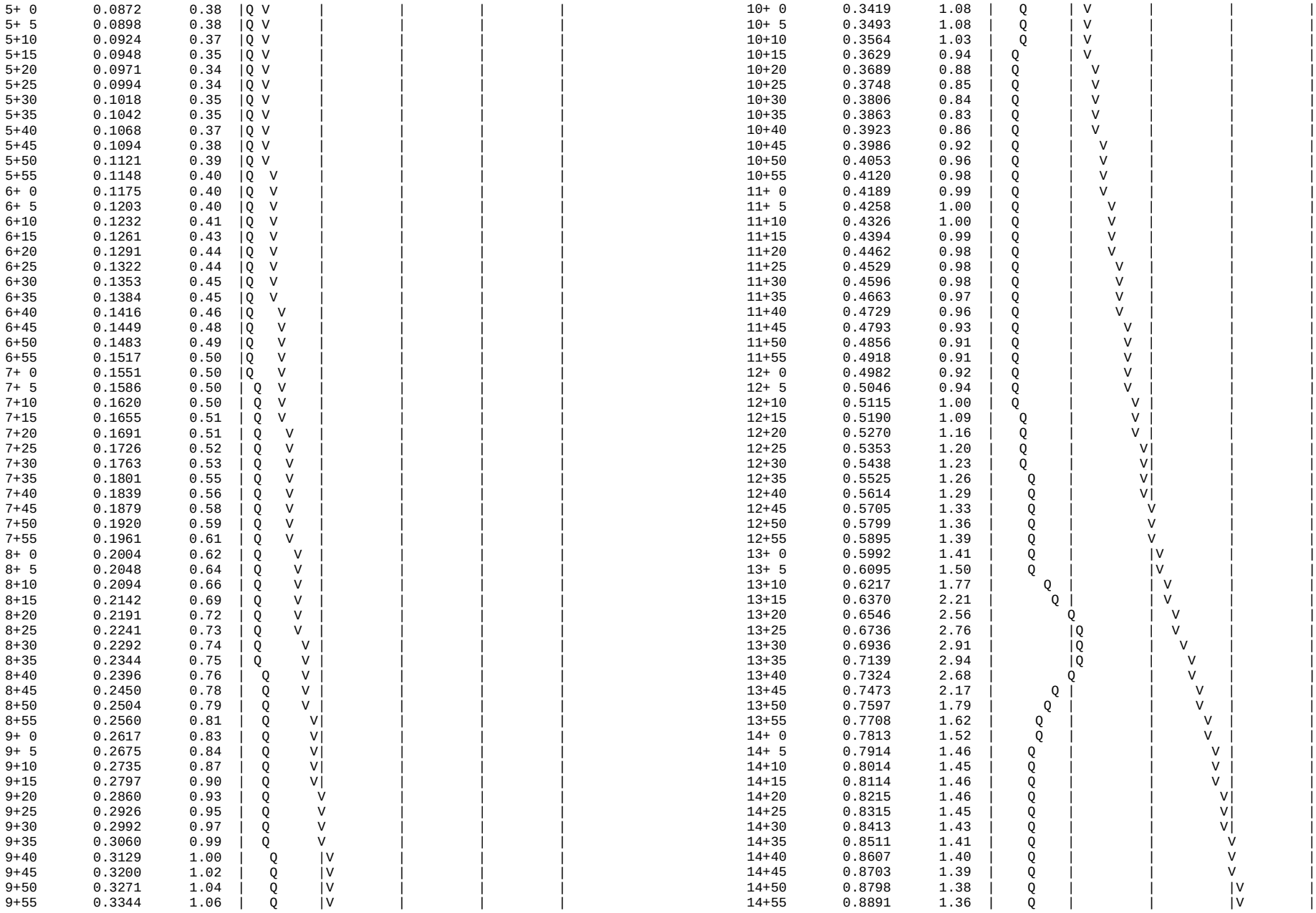
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				
0+10	0.0002	0.02	Q				
0+15	0.0005	0.05	Q				
0+20	0.0010	0.07	Q				
0+25	0.0015	0.09	Q				
0+30	0.0023	0.10	Q				
0+35	0.0031	0.12	Q				
0+40	0.0039	0.13	Q				
0+45	0.0049	0.13	Q				
0+50	0.0058	0.14	Q				
0+55	0.0068	0.15	Q				
1+ 0	0.0080	0.17	Q				
1+ 5	0.0092	0.18	Q				
1+10	0.0104	0.17	Q				
1+15	0.0115	0.16	Q				
1+20	0.0126	0.16	Q				
1+25	0.0137	0.16	Q				
1+30	0.0148	0.16	Q				
1+35	0.0158	0.16	Q				
1+40	0.0169	0.16	Q				
1+45	0.0180	0.16	Q				
1+50	0.0191	0.16	Q				
1+55	0.0202	0.17	Q				
2+ 0	0.0214	0.18	Q				
2+ 5	0.0227	0.19	Q				
2+10	0.0241	0.19	Q				
2+15	0.0254	0.20	Q				
2+20	0.0268	0.20	Q				
2+25	0.0282	0.20	Q				
2+30	0.0295	0.20	QV				
2+35	0.0309	0.20	QV				
2+40	0.0324	0.21	QV				
2+45	0.0340	0.23	QV				
2+50	0.0356	0.24	QV				
2+55	0.0372	0.24	QV				
3+ 0	0.0389	0.24	QV				
3+ 5	0.0406	0.25	QV				
3+10	0.0423	0.25	QV				
3+15	0.0441	0.25	|Q				
3+20	0.0458	0.25	|Q				
3+25	0.0475	0.25	|Q				
3+30	0.0493	0.25	|Q				
3+35	0.0510	0.25	|Q				
3+40	0.0528	0.26	|Q				
3+45	0.0546	0.26	|Q				
3+50	0.0563	0.26	|Q				
3+55	0.0582	0.27	|QV				
4+ 0	0.0601	0.28	|QV				
4+ 5	0.0621	0.29	|QV				
4+10	0.0641	0.29	|QV				
4+15	0.0662	0.30	|QV				
4+20	0.0682	0.30	|QV				
4+25	0.0704	0.31	|QV				
4+30	0.0726	0.33	|QV				
4+35	0.0749	0.34	|QV				
4+40	0.0773	0.34	|QV				
4+45	0.0797	0.35	|QV				
4+50	0.0821	0.35	|QV				
4+55	0.0846	0.36	|Q V				



15+ 0	0.8983	1.34	Q	|	|	V	|	20+ 0	1.0829	0.14	Q	|	|	|	V	|
15+ 5	0.9074	1.32	Q	|	|	V	|	20+ 5	1.0838	0.13	Q	|	|	|	V	|
15+10	0.9164	1.30	Q	|	|	V	|	20+10	1.0847	0.13	Q	|	|	|	V	|
15+15	0.9252	1.28	Q	|	|	V	|	20+15	1.0857	0.14	Q	|	|	|	V	|
15+20	0.9338	1.26	Q	|	|	V	|	20+20	1.0867	0.15	Q	|	|	|	V	|
15+25	0.9424	1.24	Q	|	|	V	|	20+25	1.0877	0.15	Q	|	|	|	V	|
15+30	0.9508	1.23	Q	|	|	V	|	20+30	1.0887	0.15	Q	|	|	|	V	|
15+35	0.9591	1.21	Q	|	|	V	|	20+35	1.0898	0.15	Q	|	|	|	V	|
15+40	0.9672	1.17	Q	|	|	V	|	20+40	1.0908	0.15	Q	|	|	|	V	|
15+45	0.9748	1.11	Q	|	|	V	|	20+45	1.0919	0.15	Q	|	|	|	V	|
15+50	0.9822	1.07	Q	|	|	V	|	20+50	1.0929	0.15	Q	|	|	|	V	|
15+55	0.9894	1.05	Q	|	|	V	|	20+55	1.0939	0.14	Q	|	|	|	V	|
16+ 0	0.9965	1.03	Q	|	|	V	|	21+ 0	1.0948	0.13	Q	|	|	|	V	|
16+ 5	1.0033	0.99	Q	|	|	V	|	21+ 5	1.0956	0.12	Q	|	|	|	V	|
16+10	1.0092	0.86	Q	|	|	V	|	21+10	1.0965	0.13	Q	|	|	|	V	|
16+15	1.0137	0.66	Q	|	|	V	|	21+15	1.0974	0.14	Q	|	|	|	V	|
16+20	1.0172	0.51	Q	|	|	V	|	21+20	1.0984	0.14	Q	|	|	|	V	|
16+25	1.0202	0.43	Q	|	|	V	|	21+25	1.0993	0.14	Q	|	|	|	V	|
16+30	1.0228	0.38	Q	|	|	V	|	21+30	1.1002	0.13	Q	|	|	|	V	|
16+35	1.0252	0.35	Q	|	|	V	|	21+35	1.1010	0.12	Q	|	|	|	V	|
16+40	1.0274	0.31	Q	|	|	V	|	21+40	1.1019	0.12	Q	|	|	|	V	|
16+45	1.0293	0.28	Q	|	|	V	|	21+45	1.1028	0.13	Q	|	|	|	V	|
16+50	1.0310	0.25	Q	|	|	V	|	21+50	1.1038	0.14	Q	|	|	|	V	|
16+55	1.0326	0.23	Q	|	|	V	|	21+55	1.1047	0.14	Q	|	|	|	V	|
17+ 0	1.0341	0.22	Q	|	|	V	|	22+ 0	1.1055	0.12	Q	|	|	|	V	|
17+ 5	1.0355	0.21	Q	|	|	V	|	22+ 5	1.1064	0.12	Q	|	|	|	V	|
17+10	1.0370	0.21	Q	|	|	V	|	22+10	1.1072	0.12	Q	|	|	|	V	|
17+15	1.0386	0.23	Q	|	|	V	|	22+15	1.1081	0.13	Q	|	|	|	V	|
17+20	1.0403	0.24	Q	|	|	V	|	22+20	1.1091	0.14	Q	|	|	|	V	|
17+25	1.0420	0.25	Q	|	|	V	|	22+25	1.1100	0.13	Q	|	|	|	V	|
17+30	1.0437	0.25	Q	|	|	V	|	22+30	1.1109	0.12	Q	|	|	|	V	|
17+35	1.0454	0.25	Q	|	|	V	|	22+35	1.1117	0.12	Q	|	|	|	V	|
17+40	1.0471	0.25	Q	|	|	V	|	22+40	1.1124	0.11	Q	|	|	|	V	|
17+45	1.0489	0.25	Q	|	|	V	|	22+45	1.1132	0.11	Q	|	|	|	V	|
17+50	1.0506	0.25	Q	|	|	V	|	22+50	1.1139	0.11	Q	|	|	|	V	|
17+55	1.0522	0.24	Q	|	|	V	|	22+55	1.1147	0.11	Q	|	|	|	V	|
18+ 0	1.0538	0.23	Q	|	|	V	|	23+ 0	1.1154	0.11	Q	|	|	|	V	|
18+ 5	1.0553	0.22	Q	|	|	V	|	23+ 5	1.1161	0.11	Q	|	|	|	V	|
18+10	1.0568	0.22	Q	|	|	V	|	23+10	1.1169	0.11	Q	|	|	|	V	|
18+15	1.0583	0.21	Q	|	|	V	|	23+15	1.1176	0.10	Q	|	|	|	V	|
18+20	1.0597	0.21	Q	|	|	V	|	23+20	1.1183	0.10	Q	|	|	|	V	|
18+25	1.0612	0.21	Q	|	|	V	|	23+25	1.1190	0.10	Q	|	|	|	V	|
18+30	1.0626	0.21	Q	|	|	V	|	23+30	1.1197	0.10	Q	|	|	|	V	|
18+35	1.0640	0.21	Q	|	|	V	|	23+35	1.1205	0.10	Q	|	|	|	V	|
18+40	1.0654	0.20	Q	|	|	V	|	23+40	1.1212	0.10	Q	|	|	|	V	|
18+45	1.0667	0.19	Q	|	|	V	|	23+45	1.1219	0.10	Q	|	|	|	V	|
18+50	1.0679	0.17	Q	|	|	V	|	23+50	1.1226	0.10	Q	|	|	|	V	|
18+55	1.0690	0.16	Q	|	|	V	|	23+55	1.1233	0.10	Q	|	|	|	V	|
19+ 0	1.0700	0.14	Q	|	|	V	|	24+ 0	1.1240	0.10	Q	|	|	|	V	|
19+ 5	1.0709	0.13	Q	|	|	V	|	24+ 5	1.1247	0.10	Q	|	|	|	V	|
19+10	1.0718	0.14	Q	|	|	V	|	24+10	1.1253	0.08	Q	|	|	|	V	|
19+15	1.0728	0.14	Q	|	|	V	|	24+15	1.1257	0.06	Q	|	|	|	V	|
19+20	1.0739	0.15	Q	|	|	V	|	24+20	1.1259	0.04	Q	|	|	|	V	|
19+25	1.0750	0.16	Q	|	|	V	|	24+25	1.1261	0.03	Q	|	|	|	V	|
19+30	1.0762	0.18	Q	|	|	V	|	24+30	1.1262	0.02	Q	|	|	|	V	|
19+35	1.0774	0.18	Q	|	|	V	|	24+35	1.1264	0.02	Q	|	|	|	V	|
19+40	1.0787	0.18	Q	|	|	V	|	24+40	1.1265	0.01	Q	|	|	|	V	|
19+45	1.0799	0.17	Q	|	|	V	|	24+45	1.1265	0.01	Q	|	|	|	V	|
19+50	1.0810	0.16	Q	|	|	V	|	24+50	1.1266	0.01	Q	|	|	|	V	|
19+55	1.0820	0.15	Q	|	|	V	|	24+55	1.1267	0.01	Q	|	|	|	V	|

```
   25+ 0       1.1267      0.01  Q         |         |         |        V|
   25+ 5       1.1267      0.01  Q         |         |         |        V|
   25+10       1.1268      0.00  Q         |         |         |        V|
   25+15       1.1268      0.00  Q         |         |         |        V|
   25+20       1.1268      0.00  Q         |         |         |        V|
   25+25       1.1268      0.00  Q         |         |         |        V|
   25+30       1.1268      0.00  Q         |         |         |        V|
   25+35       1.1268      0.00  Q         |         |         |        V|
   25+40       1.1269      0.00  Q         |         |         |        V|
   25+45       1.1269      0.00  Q         |         |         |        V|
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/08/21 File: RVPRC242.out

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Riverside County Synthetic Unit Hydrology Method

RIO VISTA DEVELOPMENT
BASIN C- PROPOSED UNIT HYDROGRAPH
2YR-24HRS

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

Drainage Area = 47.22(Ac.) = 0.074 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 47.22(Ac.) = 0.074 Sq. Mi.
Length along longest watercourse = 3940.00(Ft.)
Length along longest watercourse measured to centroid = 2045.00(Ft.)
Length along longest watercourse = 0.746 Mi.
Length along longest watercourse measured to centroid = 0.387 Mi.
Difference in elevation = 139.75(Ft.)
Slope along watercourse = 187.2792 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.083 Hr.
Lag time = 4.99 Min.
25% of lag time = 1.25 Min.
40% of lag time = 1.99 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	2.70	127.49

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	7.00	330.54

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
47.220	72.50	0.313

Total Area Entered = 47.22(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
72.5	54.0	0.531	0.313	0.382	1.000	0.382
					Sum (F) =	0.382

Area averaged mean soil loss (F) (In/Hr) = 0.382
Minimum soil loss rate ((In/Hr)) = 0.191
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.650

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag		Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	100.263	19.281	9.176
2	0.167	200.525	48.422	23.044
3	0.250	300.788	15.595	7.422
4	0.333	401.050	7.049	3.354
5	0.417	501.313	3.964	1.887
6	0.500	601.576	2.567	1.222
7	0.583	701.838	1.592	0.757
8	0.667	802.101	1.530	0.728
		Sum = 100.000	Sum=	47.589

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.676)	0.014	0.008
2	0.17	0.07	0.022	(0.674)	0.014	0.008
3	0.25	0.07	0.022	(0.671)	0.014	0.008
4	0.33	0.10	0.032	(0.669)	0.021	0.011
5	0.42	0.10	0.032	(0.666)	0.021	0.011
6	0.50	0.10	0.032	(0.663)	0.021	0.011
7	0.58	0.10	0.032	(0.661)	0.021	0.011
8	0.67	0.10	0.032	(0.658)	0.021	0.011
9	0.75	0.10	0.032	(0.656)	0.021	0.011
10	0.83	0.13	0.043	(0.653)	0.028	0.015
11	0.92	0.13	0.043	(0.650)	0.028	0.015
12	1.00	0.13	0.043	(0.648)	0.028	0.015
13	1.08	0.10	0.032	(0.645)	0.021	0.011
14	1.17	0.10	0.032	(0.643)	0.021	0.011
15	1.25	0.10	0.032	(0.640)	0.021	0.011
16	1.33	0.10	0.032	(0.638)	0.021	0.011
17	1.42	0.10	0.032	(0.635)	0.021	0.011
18	1.50	0.10	0.032	(0.633)	0.021	0.011
19	1.58	0.10	0.032	(0.630)	0.021	0.011
20	1.67	0.10	0.032	(0.628)	0.021	0.011
21	1.75	0.10	0.032	(0.625)	0.021	0.011
22	1.83	0.13	0.043	(0.623)	0.028	0.015

23	1.92	0.13	0.043	(0.620)	0.028	0.015
24	2.00	0.13	0.043	(0.618)	0.028	0.015
25	2.08	0.13	0.043	(0.615)	0.028	0.015
26	2.17	0.13	0.043	(0.613)	0.028	0.015
27	2.25	0.13	0.043	(0.610)	0.028	0.015
28	2.33	0.13	0.043	(0.608)	0.028	0.015
29	2.42	0.13	0.043	(0.605)	0.028	0.015
30	2.50	0.13	0.043	(0.603)	0.028	0.015
31	2.58	0.17	0.054	(0.600)	0.035	0.019
32	2.67	0.17	0.054	(0.598)	0.035	0.019
33	2.75	0.17	0.054	(0.595)	0.035	0.019
34	2.83	0.17	0.054	(0.593)	0.035	0.019
35	2.92	0.17	0.054	(0.590)	0.035	0.019
36	3.00	0.17	0.054	(0.588)	0.035	0.019
37	3.08	0.17	0.054	(0.585)	0.035	0.019
38	3.17	0.17	0.054	(0.583)	0.035	0.019
39	3.25	0.17	0.054	(0.581)	0.035	0.019
40	3.33	0.17	0.054	(0.578)	0.035	0.019
41	3.42	0.17	0.054	(0.576)	0.035	0.019
42	3.50	0.17	0.054	(0.573)	0.035	0.019
43	3.58	0.17	0.054	(0.571)	0.035	0.019
44	3.67	0.17	0.054	(0.569)	0.035	0.019
45	3.75	0.17	0.054	(0.566)	0.035	0.019
46	3.83	0.20	0.065	(0.564)	0.042	0.023
47	3.92	0.20	0.065	(0.561)	0.042	0.023
48	4.00	0.20	0.065	(0.559)	0.042	0.023
49	4.08	0.20	0.065	(0.557)	0.042	0.023
50	4.17	0.20	0.065	(0.554)	0.042	0.023
51	4.25	0.20	0.065	(0.552)	0.042	0.023
52	4.33	0.23	0.076	(0.550)	0.049	0.026
53	4.42	0.23	0.076	(0.547)	0.049	0.026
54	4.50	0.23	0.076	(0.545)	0.049	0.026
55	4.58	0.23	0.076	(0.543)	0.049	0.026
56	4.67	0.23	0.076	(0.540)	0.049	0.026
57	4.75	0.23	0.076	(0.538)	0.049	0.026
58	4.83	0.27	0.086	(0.536)	0.056	0.030
59	4.92	0.27	0.086	(0.533)	0.056	0.030
60	5.00	0.27	0.086	(0.531)	0.056	0.030
61	5.08	0.20	0.065	(0.529)	0.042	0.023
62	5.17	0.20	0.065	(0.526)	0.042	0.023
63	5.25	0.20	0.065	(0.524)	0.042	0.023
64	5.33	0.23	0.076	(0.522)	0.049	0.026
65	5.42	0.23	0.076	(0.519)	0.049	0.026
66	5.50	0.23	0.076	(0.517)	0.049	0.026
67	5.58	0.27	0.086	(0.515)	0.056	0.030
68	5.67	0.27	0.086	(0.513)	0.056	0.030
69	5.75	0.27	0.086	(0.510)	0.056	0.030
70	5.83	0.27	0.086	(0.508)	0.056	0.030
71	5.92	0.27	0.086	(0.506)	0.056	0.030
72	6.00	0.27	0.086	(0.504)	0.056	0.030
73	6.08	0.30	0.097	(0.501)	0.063	0.034
74	6.17	0.30	0.097	(0.499)	0.063	0.034
75	6.25	0.30	0.097	(0.497)	0.063	0.034
76	6.33	0.30	0.097	(0.495)	0.063	0.034
77	6.42	0.30	0.097	(0.493)	0.063	0.034
78	6.50	0.30	0.097	(0.490)	0.063	0.034
79	6.58	0.33	0.108	(0.488)	0.070	0.038
80	6.67	0.33	0.108	(0.486)	0.070	0.038
81	6.75	0.33	0.108	(0.484)	0.070	0.038
82	6.83	0.33	0.108	(0.482)	0.070	0.038
83	6.92	0.33	0.108	(0.479)	0.070	0.038
84	7.00	0.33	0.108	(0.477)	0.070	0.038
85	7.08	0.33	0.108	(0.475)	0.070	0.038
86	7.17	0.33	0.108	(0.473)	0.070	0.038
87	7.25	0.33	0.108	(0.471)	0.070	0.038
88	7.33	0.37	0.119	(0.469)	0.077	0.042
89	7.42	0.37	0.119	(0.466)	0.077	0.042
90	7.50	0.37	0.119	(0.464)	0.077	0.042
91	7.58	0.40	0.130	(0.462)	0.084	0.045
92	7.67	0.40	0.130	(0.460)	0.084	0.045
93	7.75	0.40	0.130	(0.458)	0.084	0.045
94	7.83	0.43	0.140	(0.456)	0.091	0.049
95	7.92	0.43	0.140	(0.454)	0.091	0.049
96	8.00	0.43	0.140	(0.452)	0.091	0.049
97	8.08	0.50	0.162	(0.449)	0.105	0.057
98	8.17	0.50	0.162	(0.447)	0.105	0.057
99	8.25	0.50	0.162	(0.445)	0.105	0.057
100	8.33	0.50	0.162	(0.443)	0.105	0.057
101	8.42	0.50	0.162	(0.441)	0.105	0.057
102	8.50	0.50	0.162	(0.439)	0.105	0.057
103	8.58	0.53	0.173	(0.437)	0.112	0.061
104	8.67	0.53	0.173	(0.435)	0.112	0.061
105	8.75	0.53	0.173	(0.433)	0.112	0.061
106	8.83	0.57	0.184	(0.431)	0.119	0.064
107	8.92	0.57	0.184	(0.429)	0.119	0.064
108	9.00	0.57	0.184	(0.427)	0.119	0.064
109	9.08	0.63	0.205	(0.425)	0.133	0.072
110	9.17	0.63	0.205	(0.423)	0.133	0.072
111	9.25	0.63	0.205	(0.421)	0.133	0.072
112	9.33	0.67	0.216	(0.419)	0.140	0.076
113	9.42	0.67	0.216	(0.417)	0.140	0.076
114	9.50	0.67	0.216	(0.415)	0.140	0.076
115	9.58	0.70	0.227	(0.413)	0.147	0.079
116	9.67	0.70	0.227	(0.411)	0.147	0.079
117	9.75	0.70	0.227	(0.409)	0.147	0.079
118	9.83	0.73	0.238	(0.407)	0.154	0.083
119	9.92	0.73	0.238	(0.405)	0.154	0.083
120	10.00	0.73	0.238	(0.403)	0.154	0.083
121	10.08	0.50	0.162	(0.401)	0.105	0.057
122	10.17	0.50	0.162	(0.399)	0.105	0.057
123	10.25	0.50	0.162	(0.397)	0.105	0.057
124	10.33	0.50	0.162	(0.395)	0.105	0.057
125	10.42	0.50	0.162	(0.393)	0.105	0.057
126	10.50	0.50	0.162	(0.391)	0.105	0.057
127	10.58	0.67	0.216	(0.389)	0.140	0.076
128	10.67	0.67	0.216	(0.388)	0.140	0.076
129	10.75	0.67	0.216	(0.386)	0.140	0.076
130	10.83	0.67	0.216	(0.384)	0.140	0.076
131	10.92	0.67	0.216	(0.382)	0.140	0.076
132	11.00	0.67	0.216	(0.380)	0.140	0.076
133	11.08	0.63	0.205	(0.378)	0.133	0.072
134	11.17	0.63	0.205	(0.376)	0.133	0.072
135	11.25	0.63	0.205	(0.374)	0.133	0.072
136	11.33	0.63	0.205	(0.373)	0.133	0.072
137	11.42	0.63	0.205	(0.371)	0.133	0.072
138	11.50	0.63	0.205	(0.369)	0.133	0.072
139	11.58	0.57	0.184	(0.367)	0.119	0.064
140	11.67	0.57	0.184	(0.365)	0.119	0.064
141	11.75	0.57	0.184	(0.363)	0.119	0.064
142	11.83	0.60	0.194	(0.362)	0.126	0.068

143	11.92	0.60	0.194	(0.360)	0.126	0.068
144	12.00	0.60	0.194	(0.358)	0.126	0.068
145	12.08	0.83	0.270	(0.356)	0.175	0.095
146	12.17	0.83	0.270	(0.354)	0.175	0.095
147	12.25	0.83	0.270	(0.353)	0.175	0.095
148	12.33	0.87	0.281	(0.351)	0.182	0.098
149	12.42	0.87	0.281	(0.349)	0.182	0.098
150	12.50	0.87	0.281	(0.347)	0.182	0.098
151	12.58	0.93	0.302	(0.346)	0.196	0.106
152	12.67	0.93	0.302	(0.344)	0.196	0.106
153	12.75	0.93	0.302	(0.342)	0.196	0.106
154	12.83	0.97	0.313	(0.340)	0.203	0.110
155	12.92	0.97	0.313	(0.339)	0.203	0.110
156	13.00	0.97	0.313	(0.337)	0.203	0.110
157	13.08	1.13	0.367	(0.335)	0.239	0.129
158	13.17	1.13	0.367	(0.334)	0.239	0.129
159	13.25	1.13	0.367	(0.332)	0.239	0.129
160	13.33	1.13	0.367	(0.330)	0.239	0.129
161	13.42	1.13	0.367	(0.328)	0.239	0.129
162	13.50	1.13	0.367	(0.327)	0.239	0.129
163	13.58	0.77	0.248	(0.325)	0.161	0.087
164	13.67	0.77	0.248	(0.323)	0.161	0.087
165	13.75	0.77	0.248	(0.322)	0.161	0.087
166	13.83	0.77	0.248	(0.320)	0.161	0.087
167	13.92	0.77	0.248	(0.319)	0.161	0.087
168	14.00	0.77	0.248	(0.317)	0.161	0.087
169	14.08	0.90	0.292	(0.315)	0.189	0.102
170	14.17	0.90	0.292	(0.314)	0.189	0.102
171	14.25	0.90	0.292	(0.312)	0.189	0.102
172	14.33	0.87	0.281	(0.311)	0.182	0.098
173	14.42	0.87	0.281	(0.309)	0.182	0.098
174	14.50	0.87	0.281	(0.307)	0.182	0.098
175	14.58	0.87	0.281	(0.306)	0.182	0.098
176	14.67	0.87	0.281	(0.304)	0.182	0.098
177	14.75	0.87	0.281	(0.303)	0.182	0.098
178	14.83	0.83	0.270	(0.301)	0.175	0.095
179	14.92	0.83	0.270	(0.300)	0.175	0.095
180	15.00	0.83	0.270	(0.298)	0.175	0.095
181	15.08	0.80	0.259	(0.296)	0.168	0.091
182	15.17	0.80	0.259	(0.295)	0.168	0.091
183	15.25	0.80	0.259	(0.293)	0.168	0.091
184	15.33	0.77	0.248	(0.292)	0.161	0.087
185	15.42	0.77	0.248	(0.290)	0.161	0.087
186	15.50	0.77	0.248	(0.289)	0.161	0.087
187	15.58	0.63	0.205	(0.287)	0.133	0.072
188	15.67	0.63	0.205	(0.286)	0.133	0.072
189	15.75	0.63	0.205	(0.285)	0.133	0.072
190	15.83	0.63	0.205	(0.283)	0.133	0.072
191	15.92	0.63	0.205	(0.282)	0.133	0.072
192	16.00	0.63	0.205	(0.280)	0.133	0.072
193	16.08	0.13	0.043	(0.279)	0.028	0.015
194	16.17	0.13	0.043	(0.277)	0.028	0.015
195	16.25	0.13	0.043	(0.276)	0.028	0.015
196	16.33	0.13	0.043	(0.275)	0.028	0.015
197	16.42	0.13	0.043	(0.273)	0.028	0.015
198	16.50	0.13	0.043	(0.272)	0.028	0.015
199	16.58	0.10	0.032	(0.270)	0.021	0.011
200	16.67	0.10	0.032	(0.269)	0.021	0.011
201	16.75	0.10	0.032	(0.268)	0.021	0.011
202	16.83	0.10	0.032	(0.266)	0.021	0.011
203	16.92	0.10	0.032	(0.265)	0.021	0.011
204	17.00	0.10	0.032	(0.264)	0.021	0.011
205	17.08	0.17	0.054	(0.262)	0.035	0.019
206	17.17	0.17	0.054	(0.261)	0.035	0.019
207	17.25	0.17	0.054	(0.260)	0.035	0.019
208	17.33	0.17	0.054	(0.258)	0.035	0.019
209	17.42	0.17	0.054	(0.257)	0.035	0.019
210	17.50	0.17	0.054	(0.256)	0.035	0.019
211	17.58	0.17	0.054	(0.254)	0.035	0.019
212	17.67	0.17	0.054	(0.253)	0.035	0.019
213	17.75	0.17	0.054	(0.252)	0.035	0.019
214	17.83	0.13	0.043	(0.251)	0.028	0.015
215	17.92	0.13	0.043	(0.249)	0.028	0.015
216	18.00	0.13	0.043	(0.248)	0.028	0.015
217	18.08	0.13	0.043	(0.247)	0.028	0.015
218	18.17	0.13	0.043	(0.246)	0.028	0.015
219	18.25	0.13	0.043	(0.245)	0.028	0.015
220	18.33	0.13	0.043	(0.243)	0.028	0.015
221	18.42	0.13	0.043	(0.242)	0.028	0.015
222	18.50	0.13	0.043	(0.241)	0.028	0.015
223	18.58	0.10	0.032	(0.240)	0.021	0.011
224	18.67	0.10	0.032	(0.239)	0.021	0.011
225	18.75	0.10	0.032	(0.238)	0.021	0.011
226	18.83	0.07	0.022	(0.236)	0.014	0.008
227	18.92	0.07	0.022	(0.235)	0.014	0.008
228	19.00	0.07	0.022	(0.234)	0.014	0.008
229	19.08	0.10	0.032	(0.233)	0.021	0.011
230	19.17	0.10	0.032	(0.232)	0.021	0.011
231	19.25	0.10	0.032	(0.231)	0.021	0.011
232	19.33	0.13	0.043	(0.230)	0.028	0.015
233	19.42	0.13	0.043	(0.229)	0.028	0.015
234	19.50	0.13	0.043	(0.228)	0.028	0.015
235	19.58	0.10	0.032	(0.227)	0.021	0.011
236	19.67	0.10	0.032	(0.226)	0.021	0.011
237	19.75	0.10	0.032	(0.225)	0.021	0.011
238	19.83	0.07	0.022	(0.224)	0.014	0.008
239	19.92	0.07	0.022	(0.223)	0.014	0.008
240	20.00	0.07	0.022	(0.222)	0.014	0.008
241	20.08	0.10	0.032	(0.221)	0.021	0.011
242	20.17	0.10	0.032	(0.220)	0.021	0.011
243	20.25	0.10	0.032	(0.219)	0.021	0.011
244	20.33	0.10	0.032	(0.218)	0.021	0.011
245	20.42	0.10	0.032	(0.217)	0.021	0.011
246	20.50	0.10	0.032	(0.216)	0.021	0.011
247	20.58	0.10	0.032	(0.215)	0.021	0.011
248	20.67	0.10	0.032	(0.214)	0.021	0.011
249	20.75	0.10	0.032	(0.213)	0.021	0.011
250	20.83	0.07	0.022	(0.212)	0.014	0.008
251	20.92	0.07	0.022	(0.211)	0.014	0.008
252	21.00	0.07	0.022	(0.211)	0.014	0.008
253	21.08	0.10	0.032	(0.210)	0.021	0.011
254	21.17	0.10	0.032	(0.209)	0.021	0.011
255	21.25	0.10	0.032	(0.208)	0.021	0.011
256	21.33	0.07	0.022	(0.207)	0.014	0.008
257	21.42	0.07	0.022	(0.207)	0.014	0.008
258	21.50	0.07	0.022	(0.206)	0.014	0.008
259	21.58	0.10	0.032	(0.205)	0.021	0.011
260	21.67	0.10	0.032	(0.204)	0.021	0.011
261	21.75	0.10	0.032	(0.204)	0.021	0.011
262	21.83	0.07	0.022	(0.203)	0.014	0.008

263	21.92	0.07	0.022	(0.202)	0.014	0.008
264	22.00	0.07	0.022	(0.201)	0.014	0.008
265	22.08	0.10	0.032	(0.201)	0.021	0.011
266	22.17	0.10	0.032	(0.200)	0.021	0.011
267	22.25	0.10	0.032	(0.200)	0.021	0.011
268	22.33	0.07	0.022	(0.199)	0.014	0.008
269	22.42	0.07	0.022	(0.198)	0.014	0.008
270	22.50	0.07	0.022	(0.198)	0.014	0.008
271	22.58	0.07	0.022	(0.197)	0.014	0.008
272	22.67	0.07	0.022	(0.197)	0.014	0.008
273	22.75	0.07	0.022	(0.196)	0.014	0.008
274	22.83	0.07	0.022	(0.196)	0.014	0.008
275	22.92	0.07	0.022	(0.195)	0.014	0.008
276	23.00	0.07	0.022	(0.195)	0.014	0.008
277	23.08	0.07	0.022	(0.194)	0.014	0.008
278	23.17	0.07	0.022	(0.194)	0.014	0.008
279	23.25	0.07	0.022	(0.193)	0.014	0.008
280	23.33	0.07	0.022	(0.193)	0.014	0.008
281	23.42	0.07	0.022	(0.192)	0.014	0.008
282	23.50	0.07	0.022	(0.192)	0.014	0.008
283	23.58	0.07	0.022	(0.192)	0.014	0.008
284	23.67	0.07	0.022	(0.192)	0.014	0.008
285	23.75	0.07	0.022	(0.191)	0.014	0.008
286	23.83	0.07	0.022	(0.191)	0.014	0.008
287	23.92	0.07	0.022	(0.191)	0.014	0.008
288	24.00	0.07	0.022	(0.191)	0.014	0.008

(Loss Rate Not Used)

Sum = 100.0 Sum = 11.4

Flood volume = Effective rainfall 0.95(In)
times area 47.2(Ac.)/[(In)/(Ft.)] = 3.7(Ac.Ft)
Total soil loss = 1.75(In)
Total soil loss = 6.901(Ac.Ft)
Total rainfall = 2.70(In)
Flood volume = 162151.3 Cubic Feet
Total soil loss = 300609.2 Cubic Feet

Peak flow rate of this hydrograph = 6.098(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0005	0.07	Q				
0+10	0.0022	0.24	Q				
0+15	0.0042	0.30	VQ				
0+20	0.0067	0.36	VQ				
0+25	0.0099	0.46	VQ				
0+30	0.0133	0.50	VQ				
0+35	0.0169	0.52	V Q				
0+40	0.0205	0.53	V Q				
0+45	0.0242	0.53	V Q				
0+50	0.0282	0.57	V Q				
0+55	0.0327	0.66	V Q				
1+ 0	0.0375	0.69	V Q				
1+ 5	0.0421	0.67	V Q				
1+10	0.0461	0.59	V Q				
1+15	0.0500	0.56	V Q				
1+20	0.0539	0.56	V Q				
1+25	0.0577	0.55	V Q				
1+30	0.0614	0.55	V Q				
1+35	0.0652	0.54	V Q				
1+40	0.0689	0.54	V Q				
1+45	0.0726	0.54	V Q				
1+50	0.0766	0.58	V Q				
1+55	0.0811	0.66	V Q				
2+ 0	0.0859	0.69	V Q				
2+ 5	0.0907	0.70	V Q				
2+10	0.0956	0.71	VQ				
2+15	0.1005	0.72	VQ				
2+20	0.1055	0.72	VQ				
2+25	0.1104	0.72	VQ				
2+30	0.1154	0.72	VQ				
2+35	0.1206	0.76	V Q				
2+40	0.1264	0.84	V Q				
2+45	0.1324	0.87	V Q				
2+50	0.1385	0.88	V Q				
2+55	0.1446	0.89	V Q				
3+ 0	0.1508	0.90	V Q				
3+ 5	0.1570	0.90	V Q				
3+10	0.1632	0.90	V Q				
3+15	0.1694	0.90	V Q				
3+20	0.1756	0.90	V Q				
3+25	0.1818	0.90	V Q				
3+30	0.1880	0.90	VQ				
3+35	0.1942	0.90	VQ				
3+40	0.2004	0.90	VQ				
3+45	0.2066	0.90	VQ				
3+50	0.2131	0.94	VQ				
3+55	0.2201	1.02	V Q				
4+ 0	0.2273	1.05	V Q				
4+ 5	0.2347	1.06	V Q				
4+10	0.2420	1.07	V Q				
4+15	0.2494	1.08	V Q				
4+20	0.2571	1.11	V Q				
4+25	0.2654	1.20	V Q				
4+30	0.2739	1.23	V Q				
4+35	0.2824	1.24	VQ				
4+40	0.2911	1.25	V Q				
4+45	0.2997	1.26	V Q				
4+50	0.3086	1.29	V Q				
4+55	0.3181	1.38	V Q				
5+ 0	0.3279	1.41	V Q				
5+ 5	0.3372	1.35	V Q				
5+10	0.3454	1.19	VQ				
5+15	0.3532	1.14	VQ				
5+20	0.3611	1.15	VQ				
5+25	0.3695	1.22	VQ				
5+30	0.3781	1.24	Q				
5+35	0.3869	1.28	VQ				
5+40	0.3964	1.37	VQ				
5+45	0.4060	1.41	VQ				
5+50	0.4158	1.42	VQ				
5+55	0.4257	1.43	VQ				
6+ 0	0.4356	1.44	VQ				
6+ 5	0.4457	1.47	VQ				

6+10	0.4565	1.56	V Q			
6+15	0.4675	1.59	VQ			
6+20	0.4785	1.60	VQ			
6+25	0.4896	1.61	VQ			
6+30	0.5007	1.62	VQ			
6+35	0.5121	1.65	VQ			
6+40	0.5241	1.74	VQ			
6+45	0.5363	1.77	V Q			
6+50	0.5486	1.78	V Q			
6+55	0.5609	1.79	VQ			
7+ 0	0.5733	1.80	VQ			
7+ 5	0.5857	1.80	VQ			
7+10	0.5981	1.80	VQ			
7+15	0.6105	1.80	VQ			
7+20	0.6232	1.84	VQ			
7+25	0.6364	1.92	VQ			
7+30	0.6499	1.95	VQ			
7+35	0.6636	2.00	Q			
7+40	0.6780	2.09	VQ			
7+45	0.6927	2.13	VQ			
7+50	0.7077	2.18	VQ			
7+55	0.7233	2.27	V Q			
8+ 0	0.7392	2.31	V Q			
8+ 5	0.7557	2.39	VQ			
8+10	0.7734	2.58	V Q			
8+15	0.7916	2.64	V Q			
8+20	0.8100	2.66	V Q			
8+25	0.8284	2.68	V Q			
8+30	0.8470	2.69	VQ			
8+35	0.8658	2.73	VQ			
8+40	0.8852	2.82	V Q			
8+45	0.9049	2.85	V Q			
8+50	0.9248	2.90	V Q			
8+55	0.9455	2.99	VQ			
9+ 0	0.9663	3.03	V Q			
9+ 5	0.9877	3.11	V Q			
9+10	1.0104	3.30	V Q			
9+15	1.0336	3.36	V Q			
9+20	1.0571	3.42	V Q			
9+25	1.0814	3.52	V Q			
9+30	1.1059	3.56	V Q			
9+35	1.1308	3.62	V Q			
9+40	1.1564	3.72	V Q			
9+45	1.1822	3.75	V Q			
9+50	1.2084	3.80	V Q			
9+55	1.2352	3.90	V Q			
10+ 0	1.2623	3.93	V Q			
10+ 5	1.2878	3.70	VQ			
10+10	1.3091	3.10	Q V			
10+15	1.3291	2.91	Q V			
10+20	1.3486	2.82	Q V			
10+25	1.3677	2.77	Q V			
10+30	1.3865	2.74	Q V			
10+35	1.4065	2.90	Q V			
10+40	1.4293	3.31	Q V			
10+45	1.4531	3.45	Q V			
10+50	1.4773	3.52	QV			
10+55	1.5018	3.55	Q V			
11+ 0	1.5264	3.58	Q V			
11+ 5	1.5509	3.55	Q V			

11+10	1.5748	3.48	Q V			
11+15	1.5986	3.45	Q V			
11+20	1.6223	3.44	Q V			
11+25	1.6460	3.43	Q V			
11+30	1.6696	3.43	Q V			
11+35	1.6927	3.36	Q V			
11+40	1.7146	3.18	Q V			
11+45	1.7361	3.12	Q V			
11+50	1.7577	3.13	Q V			
11+55	1.7798	3.21	Q V			
12+ 0	1.8020	3.22	Q V			
12+ 5	1.8259	3.47	Q V			
12+10	1.8540	4.09	Q V			
12+15	1.8836	4.29	Q V			
12+20	1.9140	4.41	Q V			
12+25	1.9453	4.55	Q V			
12+30	1.9771	4.61	Q V			
12+35	2.0096	4.72	Q V			
12+40	2.0435	4.92	Q V			
12+45	2.0778	4.98	Q V			
12+50	2.1125	5.04	Q V			
12+55	2.1479	5.15	Q V			
13+ 0	2.1836	5.18	Q V			
13+ 5	2.2206	5.38	Q V			
13+10	2.2608	5.82	QV			
13+15	2.3019	5.97	QV			
13+20	2.3434	6.04	QV			
13+25	2.3853	6.07	QV			
13+30	2.4273	6.10	Q V			
13+35	2.4667	5.73	Q V			
13+40	2.4997	4.78	Q V			
13+45	2.5305	4.47	Q V			
13+50	2.5604	4.34	Q V			
13+55	2.5897	4.26	Q V			
14+ 0	2.6186	4.21	Q V			
14+ 5	2.6483	4.31	Q V			
14+10	2.6802	4.63	Q V			
14+15	2.7129	4.74	Q V			
14+20	2.7457	4.76	Q V			
14+25	2.7781	4.70	Q V			
14+30	2.8104	4.69	Q V			
14+35	2.8427	4.69	Q V			
14+40	2.8750	4.69	Q V			
14+45	2.9073	4.69	Q V			
14+50	2.9394	4.65	Q V			
14+55	2.9708	4.56	Q V			
15+ 0	3.0020	4.53	Q V			
15+ 5	3.0329	4.49	Q V			
15+10	3.0632	4.39	Q V			
15+15	3.0932	4.36	Q V			
15+20	3.1229	4.31	Q V			
15+25	3.1519	4.21	Q V			
15+30	3.1807	4.18	Q V			
15+35	3.2084	4.03	Q V			
15+40	3.2336	3.67	Q V			
15+45	3.2581	3.55	Q V			
15+50	3.2822	3.50	Q V			
15+55	3.3060	3.46	Q V			
16+ 0	3.3298	3.45	Q V			
16+ 5	3.3498	2.91	Q V			

16+10	3.3608	1.59	Q			V	
16+15	3.3689	1.17	Q			V	
16+20	3.3756	0.98	Q			V	
16+25	3.3816	0.87	Q			V	
16+30	3.3872	0.81	Q			V	
16+35	3.3922	0.73	Q			V	
16+40	3.3963	0.60	Q			V	
16+45	3.4002	0.57	Q			V	
16+50	3.4041	0.56	Q			V	
16+55	3.4079	0.55	Q			V	
17+ 0	3.4116	0.55	Q			V	
17+ 5	3.4159	0.61	Q			V	
17+10	3.4213	0.78	Q			V	
17+15	3.4271	0.84	Q			V	
17+20	3.4330	0.87	Q			V	
17+25	3.4391	0.88	Q			V	
17+30	3.4452	0.89	Q			V	
17+35	3.4514	0.90	Q			V	
17+40	3.4576	0.90	Q			V	
17+45	3.4638	0.90	Q			V	
17+50	3.4698	0.87	Q			V	
17+55	3.4751	0.78	Q			V	
18+ 0	3.4803	0.75	Q			V	
18+ 5	3.4854	0.74	Q			V	
18+10	3.4904	0.73	Q			V	
18+15	3.4954	0.73	Q			V	
18+20	3.5004	0.72	Q			V	
18+25	3.5054	0.72	Q			V	
18+30	3.5103	0.72	Q			V	
18+35	3.5150	0.69	Q			V	
18+40	3.5192	0.60	Q			V	
18+45	3.5231	0.57	Q			V	
18+50	3.5267	0.52	Q			V	
18+55	3.5296	0.43	Q			V	
19+ 0	3.5324	0.40	Q			V	
19+ 5	3.5352	0.42	Q			V	
19+10	3.5386	0.49	Q			V	
19+15	3.5422	0.52	Q			V	
19+20	3.5460	0.56	Q			V	
19+25	3.5505	0.65	Q			V	
19+30	3.5553	0.68	Q			V	
19+35	3.5598	0.67	Q			V	
19+40	3.5639	0.59	Q			V	
19+45	3.5678	0.56	Q			V	
19+50	3.5714	0.52	Q			V	
19+55	3.5743	0.43	Q			V	
20+ 0	3.5770	0.40	Q			V	
20+ 5	3.5799	0.42	Q			V	
20+10	3.5833	0.49	Q			V	
20+15	3.5869	0.52	Q			V	
20+20	3.5905	0.53	Q			V	
20+25	3.5941	0.53	Q			V	
20+30	3.5978	0.53	Q			V	
20+35	3.6015	0.54	Q			V	
20+40	3.6052	0.54	Q			V	
20+45	3.6090	0.54	Q			V	
20+50	3.6124	0.51	Q			V	
20+55	3.6153	0.42	Q			V	
21+ 0	3.6180	0.39	Q			V	
21+ 5	3.6209	0.41	Q			V	
21+10	3.6242	0.49	Q			V	
21+15	3.6278	0.52	Q			V	
21+20	3.6312	0.49	Q			V	
21+25	3.6340	0.41	Q			V	
21+30	3.6366	0.38	Q			V	
21+35	3.6395	0.41	Q			V	
21+40	3.6429	0.49	Q			V	
21+45	3.6464	0.52	Q			V	
21+50	3.6498	0.49	Q			V	
21+55	3.6526	0.41	Q			V	
22+ 0	3.6553	0.38	Q			V	
22+ 5	3.6581	0.41	Q			V	
22+10	3.6615	0.49	Q			V	
22+15	3.6650	0.52	Q			V	
22+20	3.6684	0.49	Q			V	
22+25	3.6712	0.41	Q			V	
22+30	3.6739	0.38	Q			V	
22+35	3.6764	0.37	Q			V	
22+40	3.6790	0.37	Q			V	
22+45	3.6815	0.37	Q			V	
22+50	3.6840	0.36	Q			V	
22+55	3.6865	0.36	Q			V	
23+ 0	3.6890	0.36	Q			V	
23+ 5	3.6915	0.36	Q			V	
23+10	3.6939	0.36	Q			V	
23+15	3.6964	0.36	Q			V	
23+20	3.6989	0.36	Q			V	
23+25	3.7014	0.36	Q			V	
23+30	3.7039	0.36	Q			V	
23+35	3.7064	0.36	Q			V	
23+40	3.7088	0.36	Q			V	
23+45	3.7113	0.36	Q			V	
23+50	3.7138	0.36	Q			V	
23+55	3.7163	0.36	Q			V	
24+ 0	3.7188	0.36	Q			V	
24+ 5	3.7208	0.29	Q			V	
24+10	3.7216	0.12	Q			V	
24+15	3.7220	0.06	Q			V	
24+20	3.7222	0.03	Q			V	
24+25	3.7224	0.02	Q			V	
24+30	3.7224	0.01	Q			V	
24+35	3.7225	0.01	Q			V	

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/10/21 File: RVPRC110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

RIO VISTA DEVELOPMENT
BASIN C- PROPOSED UNIT HYDROGRAPH
10YR-1HR STORM

Drainage Area = 47.22(Ac.) = 0.074 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 47.22(Ac.) = 0.074 Sq. Mi.
Length along longest watercourse = 3940.00(Ft.)
Length along longest watercourse measured to centroid = 2045.00(Ft.)
Length along longest watercourse = 0.746 Mi.
Length along longest watercourse measured to centroid = 0.387 Mi.
Difference in elevation = 139.75(Ft.)
Slope along watercourse = 187.2792 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.083 Hr.
Lag time = 4.99 Min.
25% of lag time = 1.25 Min.
40% of lag time = 1.99 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	0.55	25.97

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	1.30	61.39

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 0.859(In)
Areal adjustment factor = 99.96 %
Adjusted average point rain = 0.858(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
47.220	72.50	0.313

Total Area Entered = 47.22(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
72.5  72.5      0.333     0.313        0.239       1.000      0.239
                                                   Sum (F) =   0.239
Area averaged mean soil loss (F) (In/Hr) =  0.239
Minimum soil loss rate ((In/Hr)) =  0.119
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.650
------------------------------------------------------------------------
Slope of intensity-duration curve for a 1 hour storm =0.5500
------------------------------------------------------------------------

            U n i t  H y d r o g r a p h
                   VALLEY S-Curve
------------------------------------------------------------------------
            Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
       1   0.083        100.263        19.281             9.176
       2   0.167        200.525        48.422            23.044
       3   0.250        300.788        15.595             7.422
       4   0.333        401.050         7.049             3.354
       5   0.417        501.313         3.964             1.887
       6   0.500        601.576         2.567             1.222
       7   0.583        701.838         1.592             0.757
       8   0.667        802.101         1.530             0.728
                               Sum = 100.000   Sum=      47.589
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
   1   0.08     3.30      0.340       (  0.239)       0.221        0.119
   2   0.17     4.20      0.433          0.239    (  0.281)        0.194
   3   0.25     4.40      0.453          0.239    (  0.294)        0.214
   4   0.33     4.80      0.494          0.239    (  0.321)        0.255
   5   0.42     5.20      0.536          0.239    (  0.348)        0.297
   6   0.50     6.20      0.638          0.239    (  0.415)        0.400
   7   0.58     6.80      0.700          0.239    (  0.455)        0.461
   8   0.67     8.80      0.906          0.239    (  0.589)        0.667
   9   0.75    13.90      1.431          0.239    (  0.930)        1.193
  10   0.83    31.40      3.234          0.239    (  2.101)        2.995
  11   0.92     7.20      0.741          0.239    (  0.482)        0.503
  12   1.00     3.80      0.391          0.239    (  0.254)        0.152
            (Loss Rate Not Used)
     Sum =     100.0                                  Sum =     7.5
      Flood volume = Effective rainfall      0.62(In)
       times area      47.2(Ac.)/[(In)/(Ft.)] =       2.4(Ac.Ft)
      Total soil loss =      0.24(In)
      Total soil loss =     0.934(Ac.Ft)
      Total rainfall =      0.86(In)
      Flood volume =      106420.7 Cubic Feet
      Total soil loss =       40680.2 Cubic Feet
      ------------------------------------------------------------------
       Peak flow rate of this hydrograph =     86.528(CFS)
      ------------------------------------------------------------------
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        1 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
      ------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

      ------------------------------------------------------------------
```

```
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       22.5      45.0      67.5      90.0
  ----------------------------------------------------------------------
    0+ 5       0.0075      1.09  Q         |         |         |         |
    0+10       0.0387      4.52  V Q       |         |         |         |
    0+15       0.0891      7.32  |V Q      |         |         |         |
    0+20       0.1519      9.12  | V Q     |         |         |         |
    0+25       0.2282     11.08  |  VQ     |         |         |         |
    0+30       0.3221     13.64  |    VQ   |         |         |         |
    0+35       0.4409     17.24  |      Q  |         |         |         |
    0+40       0.5904     21.71  |        Q|         |         |         |
    0+45       0.8127     32.28  |         |  VQ     |         |         |
    0+50       1.2463     62.96  |         |        V      Q   |         |
    0+55       1.8422     86.53  |         |         |         V       Q |
    1+ 0       2.1285     41.57  |         |       Q |         |   V     |
    1+ 5       2.2732     21.01  |        Q|         |         |      V  |
    1+10       2.3474     10.77  |   Q     |         |         |       V |
    1+15       2.3922      6.51  | Q       |         |         |        V|
    1+20       2.4201      4.04  |Q        |         |         |        V|
    1+25       2.4390      2.75  |Q        |         |         |        V|
    1+30       2.4423      0.48  Q         |         |         |        V|
    1+35       2.4431      0.11  Q         |         |         |        V|
  ----------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/10/21 File: RVPRC310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN C- PROPOSED UNIT HYDROGRAPH
10YR-3HR STORM

Drainage Area = 47.22(Ac.) = 0.074 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 47.22(Ac.) = 0.074 Sq. Mi.
Length along longest watercourse = 3940.00(Ft.)
Length along longest watercourse measured to centroid = 2045.00(Ft.)
Length along longest watercourse = 0.746 Mi.
Length along longest watercourse measured to centroid = 0.387 Mi.
Difference in elevation = 139.75(Ft.)
Slope along watercourse = 187.2792 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.083 Hr.
Lag time = 4.99 Min.
25% of lag time = 1.25 Min.
40% of lag time = 1.99 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	1.10	51.94

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	2.00	94.44

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 1.470(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 1.470(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
47.220	72.50	0.313

Total Area Entered = 47.22(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
72.5	72.5	0.333	0.313	0.239	1.000	0.239

Sum (F) = 0.239

Area averaged mean soil loss (F) (In/Hr) = 0.239
Minimum soil loss rate ((In/Hr)) = 0.119
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.650

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	100.263	19.281	9.176
2	0.167	200.525	48.422	23.044
3	0.250	300.788	15.595	7.422
4	0.333	401.050	7.049	3.354
5	0.417	501.313	3.964	1.887
6	0.500	601.576	2.567	1.222
7	0.583	701.838	1.592	0.757
8	0.667	802.101	1.530	0.728
			Sum = 100.000 Sum=	47.589

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.229	(0.239)	0.149	0.080
2	0.17	1.30	0.229	(0.239)	0.149	0.080
3	0.25	1.10	0.194	(0.239)	0.126	0.068
4	0.33	1.50	0.265	(0.239)	0.172	0.093
5	0.42	1.50	0.265	(0.239)	0.172	0.093
6	0.50	1.80	0.318	(0.239)	0.206	0.111
7	0.58	1.50	0.265	(0.239)	0.172	0.093
8	0.67	1.80	0.318	(0.239)	0.206	0.111
9	0.75	1.80	0.318	(0.239)	0.206	0.111
10	0.83	1.50	0.265	(0.239)	0.172	0.093
11	0.92	1.60	0.282	(0.239)	0.183	0.099
12	1.00	1.80	0.318	(0.239)	0.206	0.111
13	1.08	2.20	0.388	0.239	(0.252)	0.149
14	1.17	2.20	0.388	0.239	(0.252)	0.149
15	1.25	2.20	0.388	0.239	(0.252)	0.149
16	1.33	2.00	0.353	(0.239)	0.229	0.124
17	1.42	2.60	0.459	0.239	(0.298)	0.220
18	1.50	2.70	0.476	0.239	(0.309)	0.237
19	1.58	2.40	0.423	0.239	(0.275)	0.185
20	1.67	2.70	0.476	0.239	(0.309)	0.237
21	1.75	3.30	0.582	0.239	(0.378)	0.343
22	1.83	3.10	0.547	0.239	(0.355)	0.308
23	1.92	2.90	0.512	0.239	(0.332)	0.273
24	2.00	3.00	0.529	0.239	(0.344)	0.290
25	2.08	3.10	0.547	0.239	(0.355)	0.308
26	2.17	4.20	0.741	0.239	(0.481)	0.502
27	2.25	5.00	0.882	0.239	(0.573)	0.643
28	2.33	3.50	0.617	0.239	(0.401)	0.379
29	2.42	6.80	1.199	0.239	(0.779)	0.961
30	2.50	7.30	1.288	0.239	(0.836)	1.049
31	2.58	8.20	1.446	0.239	(0.940)	1.208
32	2.67	5.90	1.041	0.239	(0.676)	0.802
33	2.75	2.00	0.353	(0.239)	0.229	0.124
34	2.83	1.80	0.318	(0.239)	0.206	0.111
35	2.92	1.80	0.318	(0.239)	0.206	0.111
36	3.00	0.60	0.106	(0.239)	0.069	0.037

```
          (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    10.0
     Flood volume = Effective rainfall      0.84(In)
      times area      47.2(Ac.)/[(In)/(Ft.)] =       3.3(Ac.Ft)
     Total soil loss =      0.63(In)
     Total soil loss =     2.491(Ac.Ft)
     Total rainfall =      1.47(In)
     Flood volume =      143443.9 Cubic Feet
     Total soil loss =      108520.5 Cubic Feet
     ------------------------------------------------------------------
      Peak flow rate of this hydrograph =     48.322(CFS)
     ------------------------------------------------------------------
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        3 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
     ------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0       12.5      25.0      37.5      50.0
 ------------------------------------------------------------------------
   0+ 5       0.0051      0.74  Q         |         |         |         |
   0+10       0.0229      2.59  V Q       |         |         |         |
   0+15       0.0441      3.07  V Q       |         |         |         |
   0+20       0.0667      3.29  V Q       |         |         |         |
   0+25       0.0937      3.91  |V Q      |         |         |         |
   0+30       0.1235      4.33  |V Q      |         |         |         |
   0+35       0.1559      4.70  |V Q      |         |         |         |
   0+40       0.1880      4.67  | VQ      |         |         |         |
   0+45       0.2228      5.05  | V Q     |         |         |         |
   0+50       0.2572      5.00  |  Q      |         |         |         |
   0+55       0.2895      4.69  |  Q      |         |         |         |
   1+ 0       0.3229      4.84  |  Q      |         |         |         |
   1+ 5       0.3606      5.48  |   Q     |         |         |         |
   1+10       0.4049      6.43  |   VQ    |         |         |         |
   1+15       0.4514      6.76  |    Q    |         |         |         |
   1+20       0.4973      6.67  |    QV   |         |         |         |
   1+25       0.5458      7.04  |    QV   |         |         |         |
   1+30       0.6098      9.29  |      Q  |         |         |         |
   1+35       0.6778      9.87  |      QV |         |         |         |
   1+40       0.7437      9.57  |      Q V|         |         |         |
   1+45       0.8234     11.58  |        QV         |         |         |
   1+50       0.9201     14.04  |         |Q        |         |         |
   1+55       1.0155     13.85  |         |QV       |         |         |
   2+ 0       1.1078     13.41  |         Q  V      |         |         |
   2+ 5       1.2031     13.83  |         |Q  V     |         |         |
   2+10       1.3139     16.10  |         | Q  V    |         |         |
   2+15       1.4659     22.06  |         |      Q  |         |         |
   2+20       1.6341     24.43  |         |        Q|         |         |
   2+25       1.8089     25.37  |         |         QV        |         |
   2+30       2.0740     38.49  |         |         |    V    Q         |
   2+35       2.3904     45.94  |         |         |         V|     Q   |
   2+40       2.7232     48.32  |         |         |          |  V    Q |
   2+45       2.9659     35.24  |         |         |       Q  |     V   |
   2+50       3.0884     17.79  |         |   Q     |          |      V  |
   2+55       3.1694     11.76  |         Q|        |          |       V |
   3+ 0       3.2288      8.63  |     Q   |         |          |        V|
   3+ 5       3.2629      4.95  |  Q      |         |          |        V|
   3+10       3.2801      2.50  |Q        |         |          |        V|
   3+15       3.2880      1.15  Q         |         |          |        V|
   3+20       3.2906      0.38  Q         |         |          |        V|
   3+25       3.2921      0.21  Q         |         |          |        V|
   3+30       3.2928      0.11  Q         |         |          |        V|
   3+35       3.2930      0.03  Q         |         |          |        V|
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/10/21 File: RVPRC610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN C- PROPOSED UNIT HYDROGRAPH
10YR-6HR STORM

Drainage Area = 47.22(Ac.) = 0.074 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 47.22(Ac.) = 0.074 Sq. Mi.
Length along longest watercourse = 3940.00(Ft.)
Length along longest watercourse measured to centroid = 2045.00(Ft.)
Length along longest watercourse = 0.746 Mi.
Length along longest watercourse measured to centroid = 0.387 Mi.
Difference in elevation = 139.75(Ft.)
Slope along watercourse = 187.2792 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.083 Hr.
Lag time = 4.99 Min.
25% of lag time = 1.25 Min.
40% of lag time = 1.99 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	1.60	75.55

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	3.00	141.66

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 2.176(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.176(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
47.220	72.50	0.313

Total Area Entered = 47.22(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
72.5	72.5	0.333	0.313	0.239	1.000	0.239
					Sum (F) =	0.239

Area averaged mean soil loss (F) (In/Hr) = 0.239
Minimum soil loss rate ((In/Hr)) = 0.119
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.650

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	100.263	19.281	9.176
2	0.167	200.525	48.422	23.044
3	0.250	300.788	15.595	7.422
4	0.333	401.050	7.049	3.354
5	0.417	501.313	3.964	1.887
6	0.500	601.576	2.567	1.222
7	0.583	701.838	1.592	0.757
8	0.667	802.101	1.530	0.728
		Sum = 100.000	Sum=	47.589

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.50	0.131	(0.239)		0.085	0.046
2	0.17	0.60	0.157	(0.239)		0.102	0.055
3	0.25	0.60	0.157	(0.239)		0.102	0.055
4	0.33	0.60	0.157	(0.239)		0.102	0.055
5	0.42	0.60	0.157	(0.239)		0.102	0.055
6	0.50	0.70	0.183	(0.239)		0.119	0.064
7	0.58	0.70	0.183	(0.239)		0.119	0.064
8	0.67	0.70	0.183	(0.239)		0.119	0.064
9	0.75	0.70	0.183	(0.239)		0.119	0.064
10	0.83	0.70	0.183	(0.239)		0.119	0.064
11	0.92	0.70	0.183	(0.239)		0.119	0.064
12	1.00	0.80	0.209	(0.239)		0.136	0.073
13	1.08	0.80	0.209	(0.239)		0.136	0.073
14	1.17	0.80	0.209	(0.239)		0.136	0.073
15	1.25	0.80	0.209	(0.239)		0.136	0.073
16	1.33	0.80	0.209	(0.239)		0.136	0.073
17	1.42	0.80	0.209	(0.239)		0.136	0.073
18	1.50	0.80	0.209	(0.239)		0.136	0.073
19	1.58	0.80	0.209	(0.239)		0.136	0.073
20	1.67	0.80	0.209	(0.239)		0.136	0.073
21	1.75	0.80	0.209	(0.239)		0.136	0.073
22	1.83	0.80	0.209	(0.239)		0.136	0.073
23	1.92	0.80	0.209	(0.239)		0.136	0.073
24	2.00	0.90	0.235	(0.239)		0.153	0.082
25	2.08	0.80	0.209	(0.239)		0.136	0.073
26	2.17	0.90	0.235	(0.239)		0.153	0.082
27	2.25	0.90	0.235	(0.239)		0.153	0.082
28	2.33	0.90	0.235	(0.239)		0.153	0.082
29	2.42	0.90	0.235	(0.239)		0.153	0.082
30	2.50	0.90	0.235	(0.239)		0.153	0.082
31	2.58	0.90	0.235	(0.239)		0.153	0.082
32	2.67	0.90	0.235	(0.239)		0.153	0.082
33	2.75	1.00	0.261	(0.239)		0.170	0.091

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34   2.83     1.00      0.261       (  0.239)       0.170        0.091
35   2.92     1.00      0.261       (  0.239)       0.170        0.091
36   3.00     1.00      0.261       (  0.239)       0.170        0.091
37   3.08     1.00      0.261       (  0.239)       0.170        0.091
38   3.17     1.10      0.287       (  0.239)       0.187        0.101
39   3.25     1.10      0.287       (  0.239)       0.187        0.101
40   3.33     1.10      0.287       (  0.239)       0.187        0.101
41   3.42     1.20      0.313       (  0.239)       0.204        0.110
42   3.50     1.30      0.339       (  0.239)       0.220        0.119
43   3.58     1.40      0.366       (  0.239)       0.237        0.128
44   3.67     1.40      0.366       (  0.239)       0.237        0.128
45   3.75     1.50      0.392          0.239    (  0.254)        0.153
46   3.83     1.50      0.392          0.239    (  0.254)        0.153
47   3.92     1.60      0.418          0.239    (  0.271)        0.179
48   4.00     1.60      0.418          0.239    (  0.271)        0.179
49   4.08     1.70      0.444          0.239    (  0.288)        0.205
50   4.17     1.80      0.470          0.239    (  0.305)        0.231
51   4.25     1.90      0.496          0.239    (  0.322)        0.257
52   4.33     2.00      0.522          0.239    (  0.339)        0.283
53   4.42     2.10      0.548          0.239    (  0.356)        0.309
54   4.50     2.10      0.548          0.239    (  0.356)        0.309
55   4.58     2.20      0.574          0.239    (  0.373)        0.336
56   4.67     2.30      0.600          0.239    (  0.390)        0.362
57   4.75     2.40      0.627          0.239    (  0.407)        0.388
58   4.83     2.40      0.627          0.239    (  0.407)        0.388
59   4.92     2.50      0.653          0.239    (  0.424)        0.414
60   5.00     2.60      0.679          0.239    (  0.441)        0.440
61   5.08     3.10      0.809          0.239    (  0.526)        0.570
62   5.17     3.60      0.940          0.239    (  0.611)        0.701
63   5.25     3.90      1.018          0.239    (  0.661)        0.779
64   5.33     4.20      1.097          0.239    (  0.712)        0.858
65   5.42     4.70      1.227          0.239    (  0.797)        0.988
66   5.50     5.60      1.462          0.239    (  0.950)        1.223
67   5.58     1.90      0.496          0.239    (  0.322)        0.257
68   5.67     0.90      0.235       (  0.239)       0.153        0.082
69   5.75     0.60      0.157       (  0.239)       0.102        0.055
70   5.83     0.50      0.131       (  0.239)       0.085        0.046
71   5.92     0.30      0.078       (  0.239)       0.051        0.027
72   6.00     0.20      0.052       (  0.239)       0.034        0.018
            (Loss Rate Not Used)
   Sum =     100.0                                  Sum =    13.7
     Flood volume = Effective rainfall      1.14(In)
      times area      47.2(Ac.)/[(In)/(Ft.)] =       4.5(Ac.Ft)
     Total soil loss =      1.03(In)
     Total soil loss =     4.070(Ac.Ft)
     Total rainfall =      2.18(In)
     Flood volume =      195617.1 Cubic Feet
     Total soil loss =      177302.6 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     45.653(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        6 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       12.5      25.0      37.5      50.0
-------------------------------------------------------------------------
  0+ 5       0.0029      0.42  Q        |         |         |         |
  0+10       0.0136      1.56  VQ       |         |         |         |
  0+15       0.0281      2.11  VQ       |         |         |         |
  0+20       0.0442      2.33  VQ       |         |         |         |
  0+25       0.0611      2.45  VQ       |         |         |         |
  0+30       0.0790      2.60  V Q      |         |         |         |
  0+35       0.0987      2.86  V Q      |         |         |         |
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0+40       0.1192      2.97  |VQ       |          |          |          |
0+45       0.1399      3.01  |VQ       |          |          |          |
0+50       0.1607      3.02  |VQ       |          |          |          |
0+55       0.1816      3.04  |VQ       |          |          |          |
1+ 0       0.2031      3.13  |VQ       |          |          |          |
1+ 5       0.2262      3.34  | Q       |          |          |          |
1+10       0.2497      3.41  | Q       |          |          |          |
1+15       0.2734      3.44  | Q       |          |          |          |
1+20       0.2972      3.46  | Q       |          |          |          |
1+25       0.3211      3.47  | Q       |          |          |          |
1+30       0.3450      3.48  | QV      |          |          |          |
1+35       0.3690      3.48  | QV      |          |          |          |
1+40       0.3930      3.48  | QV      |          |          |          |
1+45       0.4170      3.48  | QV      |          |          |          |
1+50       0.4410      3.48  | QV      |          |          |          |
1+55       0.4650      3.48  | Q V     |          |          |          |
2+ 0       0.4896      3.57  | Q V     |          |          |          |
2+ 5       0.5151      3.70  | Q V     |          |          |          |
2+10       0.5401      3.64  | Q V     |          |          |          |
2+15       0.5664      3.81  |  Q V    |          |          |          |
2+20       0.5930      3.86  |  Q V    |          |          |          |
2+25       0.6198      3.89  |  Q V    |          |          |          |
2+30       0.6466      3.90  |  Q V    |          |          |          |
2+35       0.6736      3.91  |  Q V    |          |          |          |
2+40       0.7005      3.91  |  Q  V   |          |          |          |
2+45       0.7281      4.00  |  Q  V   |          |          |          |
2+50       0.7571      4.22  |  Q  V   |          |          |          |
2+55       0.7866      4.28  |  Q   V  |          |          |          |
3+ 0       0.8163      4.31  |  Q   V  |          |          |          |
3+ 5       0.8462      4.33  |  Q   V  |          |          |          |
3+10       0.8767      4.43  |  Q   V  |          |          |          |
3+15       0.9086      4.64  |  Q    V |          |          |          |
3+20       0.9411      4.72  |  Q    V |          |          |          |
3+25       0.9744      4.83  |  Q    V |          |          |          |
3+30       1.0099      5.15  |   Q   V |          |          |          |
3+35       1.0479      5.52  |   Q    V|          |          |          |
3+40       1.0881      5.84  |   Q    V|          |          |          |
3+45       1.1307      6.19  |   Q     V          |          |          |
3+50       1.1776      6.81  |    Q    V          |          |          |
3+55       1.2277      7.27  |    Q    V          |          |          |
4+ 0       1.2826      7.98  |     Q   |V         |          |          |
4+ 5       1.3410      8.48  |     Q   |V         |          |          |
4+10       1.4060      9.44  |      Q  | V        |          |          |
4+15       1.4787     10.55  |       Q |  V       |          |          |
4+20       1.5594     11.72  |        Q|  V       |          |          |
4+25       1.6483     12.91  |         Q   V      |          |          |
4+30       1.7440     13.89  |         |Q   V     |          |          |
4+35       1.8439     14.52  |         |Q    V    |          |          |
4+40       1.9511     15.57  |         | Q    V   |          |          |
4+45       2.0663     16.72  |         |  Q    V  |          |          |
4+50       2.1880     17.67  |         |   Q    V|          |          |
4+55       2.3140     18.28  |         |   Q     V          |          |
5+ 0       2.4470     19.31  |         |    Q    |V         |          |
5+ 5       2.5944     21.41  |         |      Q  |  V       |          |
5+10       2.7733     25.97  |         |         Q   V      |          |
5+15       2.9857     30.84  |         |             |   Q V|          |
5+20       3.2259     34.87  |         |             |      QV|         |
5+25       3.4958     39.20  |         |             |        |Q        |
5+30       3.8102     45.65  |         |             |        |  V  Q   |
5+35       4.1123     43.86  |         |             |        |    QV   |
5+40       4.2680     22.60  |         |       Q     |        |       V |
5+45       4.3536     12.43  |         Q|            |        |       V |
5+50       4.4079      7.89  |      Q   |            |        |        V|
5+55       4.4448      5.34  |    Q     |            |        |        V|
6+ 0       4.4685      3.44  |  Q       |            |        |        V|
6+ 5       4.4827      2.07  |Q         |            |        |        V|
6+10       4.4871      0.63  Q          |            |        |        V|
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    6+15       4.4889      0.27  Q         |         |         |        V|
    6+20       4.4899      0.14  Q         |         |         |        V|
    6+25       4.4904      0.08  Q         |         |         |        V|
    6+30       4.4907      0.03  Q         |         |         |        V|
    6+35       4.4908      0.01  Q         |         |         |         V
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/10/21 File: RVPRC2410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN C- PROPOSED UNIT HYDROGRAPH
10YR-24HR STORM

Drainage Area = 47.22(Ac.) = 0.074 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 47.22(Ac.) = 0.074 Sq. Mi.
Length along longest watercourse = 3940.00(Ft.)
Length along longest watercourse measured to centroid = 2045.00(Ft.)
Length along longest watercourse = 0.746 Mi.
Length along longest watercourse measured to centroid = 0.387 Mi.
Difference in elevation = 139.75(Ft.)
Slope along watercourse = 187.2792 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.083 Hr.
Lag time = 4.99 Min.
25% of lag time = 1.25 Min.
40% of lag time = 1.99 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	2.70	127.49

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	7.00	330.54

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 4.469(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 4.469(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
47.220	72.50	0.313

Total Area Entered = 47.22(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
72.5	72.5	0.333	0.313	0.239	1.000	0.239

Sum (F) = 0.239

Area averaged mean soil loss (F) (In/Hr) = 0.239
Minimum soil loss rate ((In/Hr)) = 0.119
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.650

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	100.263	19.281	9.176
2	0.167	200.525	48.422	23.044
3	0.250	300.788	15.595	7.422
4	0.333	401.050	7.049	3.354
5	0.417	501.313	3.964	1.887
6	0.500	601.576	2.567	1.222
7	0.583	701.838	1.592	0.757
8	0.667	802.101	1.530	0.728
		Sum = 100.000	Sum=	47.589

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.036	(0.423)	0.023	0.013
2	0.17	0.07	0.036	(0.422)	0.023	0.013
3	0.25	0.07	0.036	(0.420)	0.023	0.013
4	0.33	0.10	0.054	(0.418)	0.035	0.019
5	0.42	0.10	0.054	(0.417)	0.035	0.019
6	0.50	0.10	0.054	(0.415)	0.035	0.019
7	0.58	0.10	0.054	(0.414)	0.035	0.019
8	0.67	0.10	0.054	(0.412)	0.035	0.019
9	0.75	0.10	0.054	(0.410)	0.035	0.019
10	0.83	0.13	0.071	(0.409)	0.046	0.025
11	0.92	0.13	0.071	(0.407)	0.046	0.025
12	1.00	0.13	0.071	(0.406)	0.046	0.025
13	1.08	0.10	0.054	(0.404)	0.035	0.019
14	1.17	0.10	0.054	(0.402)	0.035	0.019
15	1.25	0.10	0.054	(0.401)	0.035	0.019
16	1.33	0.10	0.054	(0.399)	0.035	0.019
17	1.42	0.10	0.054	(0.398)	0.035	0.019
18	1.50	0.10	0.054	(0.396)	0.035	0.019
19	1.58	0.10	0.054	(0.394)	0.035	0.019
20	1.67	0.10	0.054	(0.393)	0.035	0.019
21	1.75	0.10	0.054	(0.391)	0.035	0.019
22	1.83	0.13	0.071	(0.390)	0.046	0.025
23	1.92	0.13	0.071	(0.388)	0.046	0.025
24	2.00	0.13	0.071	(0.387)	0.046	0.025
25	2.08	0.13	0.071	(0.385)	0.046	0.025
26	2.17	0.13	0.071	(0.383)	0.046	0.025
27	2.25	0.13	0.071	(0.382)	0.046	0.025
28	2.33	0.13	0.071	(0.380)	0.046	0.025
29	2.42	0.13	0.071	(0.379)	0.046	0.025
30	2.50	0.13	0.071	(0.377)	0.046	0.025
31	2.58	0.17	0.089	(0.376)	0.058	0.031
32	2.67	0.17	0.089	(0.374)	0.058	0.031
33	2.75	0.17	0.089	(0.373)	0.058	0.031
34	2.83	0.17	0.089	(0.371)	0.058	0.031
35	2.92	0.17	0.089	(0.370)	0.058	0.031

36	3.00	0.17	0.089	(0.368)	0.058	0.031
37	3.08	0.17	0.089	(0.366)	0.058	0.031
38	3.17	0.17	0.089	(0.365)	0.058	0.031
39	3.25	0.17	0.089	(0.363)	0.058	0.031
40	3.33	0.17	0.089	(0.362)	0.058	0.031
41	3.42	0.17	0.089	(0.360)	0.058	0.031
42	3.50	0.17	0.089	(0.359)	0.058	0.031
43	3.58	0.17	0.089	(0.357)	0.058	0.031
44	3.67	0.17	0.089	(0.356)	0.058	0.031
45	3.75	0.17	0.089	(0.354)	0.058	0.031
46	3.83	0.20	0.107	(0.353)	0.070	0.038
47	3.92	0.20	0.107	(0.351)	0.070	0.038
48	4.00	0.20	0.107	(0.350)	0.070	0.038
49	4.08	0.20	0.107	(0.348)	0.070	0.038
50	4.17	0.20	0.107	(0.347)	0.070	0.038
51	4.25	0.20	0.107	(0.345)	0.070	0.038
52	4.33	0.23	0.125	(0.344)	0.081	0.044
53	4.42	0.23	0.125	(0.343)	0.081	0.044
54	4.50	0.23	0.125	(0.341)	0.081	0.044
55	4.58	0.23	0.125	(0.340)	0.081	0.044
56	4.67	0.23	0.125	(0.338)	0.081	0.044
57	4.75	0.23	0.125	(0.337)	0.081	0.044
58	4.83	0.27	0.143	(0.335)	0.093	0.050
59	4.92	0.27	0.143	(0.334)	0.093	0.050
60	5.00	0.27	0.143	(0.332)	0.093	0.050
61	5.08	0.20	0.107	(0.331)	0.070	0.038
62	5.17	0.20	0.107	(0.329)	0.070	0.038
63	5.25	0.20	0.107	(0.328)	0.070	0.038
64	5.33	0.23	0.125	(0.327)	0.081	0.044
65	5.42	0.23	0.125	(0.325)	0.081	0.044
66	5.50	0.23	0.125	(0.324)	0.081	0.044
67	5.58	0.27	0.143	(0.322)	0.093	0.050
68	5.67	0.27	0.143	(0.321)	0.093	0.050
69	5.75	0.27	0.143	(0.319)	0.093	0.050
70	5.83	0.27	0.143	(0.318)	0.093	0.050
71	5.92	0.27	0.143	(0.317)	0.093	0.050
72	6.00	0.27	0.143	(0.315)	0.093	0.050
73	6.08	0.30	0.161	(0.314)	0.105	0.056
74	6.17	0.30	0.161	(0.312)	0.105	0.056
75	6.25	0.30	0.161	(0.311)	0.105	0.056
76	6.33	0.30	0.161	(0.310)	0.105	0.056
77	6.42	0.30	0.161	(0.308)	0.105	0.056
78	6.50	0.30	0.161	(0.307)	0.105	0.056
79	6.58	0.33	0.179	(0.306)	0.116	0.063
80	6.67	0.33	0.179	(0.304)	0.116	0.063
81	6.75	0.33	0.179	(0.303)	0.116	0.063
82	6.83	0.33	0.179	(0.301)	0.116	0.063
83	6.92	0.33	0.179	(0.300)	0.116	0.063
84	7.00	0.33	0.179	(0.299)	0.116	0.063
85	7.08	0.33	0.179	(0.297)	0.116	0.063
86	7.17	0.33	0.179	(0.296)	0.116	0.063
87	7.25	0.33	0.179	(0.295)	0.116	0.063
88	7.33	0.37	0.197	(0.293)	0.128	0.069
89	7.42	0.37	0.197	(0.292)	0.128	0.069
90	7.50	0.37	0.197	(0.291)	0.128	0.069
91	7.58	0.40	0.214	(0.289)	0.139	0.075
92	7.67	0.40	0.214	(0.288)	0.139	0.075
93	7.75	0.40	0.214	(0.287)	0.139	0.075
94	7.83	0.43	0.232	(0.285)	0.151	0.081
95	7.92	0.43	0.232	(0.284)	0.151	0.081
96	8.00	0.43	0.232	(0.283)	0.151	0.081
97	8.08	0.50	0.268	(0.281)	0.174	0.094
98	8.17	0.50	0.268	(0.280)	0.174	0.094
99	8.25	0.50	0.268	(0.279)	0.174	0.094
100	8.33	0.50	0.268	(0.277)	0.174	0.094
101	8.42	0.50	0.268	(0.276)	0.174	0.094
102	8.50	0.50	0.268	(0.275)	0.174	0.094

103	8.58	0.53	0.286	(0.274)	0.186	0.100
104	8.67	0.53	0.286	(0.272)	0.186	0.100
105	8.75	0.53	0.286	(0.271)	0.186	0.100
106	8.83	0.57	0.304	(0.270)	0.197	0.106
107	8.92	0.57	0.304	(0.268)	0.197	0.106
108	9.00	0.57	0.304	(0.267)	0.197	0.106
109	9.08	0.63	0.340	(0.266)	0.221	0.119
110	9.17	0.63	0.340	(0.265)	0.221	0.119
111	9.25	0.63	0.340	(0.263)	0.221	0.119
112	9.33	0.67	0.357	(0.262)	0.232	0.125
113	9.42	0.67	0.357	(0.261)	0.232	0.125
114	9.50	0.67	0.357	(0.260)	0.232	0.125
115	9.58	0.70	0.375	(0.258)	0.244	0.132
116	9.67	0.70	0.375	(0.257)	0.244	0.132
117	9.75	0.70	0.375	(0.256)	0.244	0.132
118	9.83	0.73	0.393	0.255	(0.255)	0.139
119	9.92	0.73	0.393	0.253	(0.255)	0.140
120	10.00	0.73	0.393	0.252	(0.255)	0.141
121	10.08	0.50	0.268	(0.251)	0.174	0.094
122	10.17	0.50	0.268	(0.250)	0.174	0.094
123	10.25	0.50	0.268	(0.249)	0.174	0.094
124	10.33	0.50	0.268	(0.247)	0.174	0.094
125	10.42	0.50	0.268	(0.246)	0.174	0.094
126	10.50	0.50	0.268	(0.245)	0.174	0.094
127	10.58	0.67	0.357	(0.244)	0.232	0.125
128	10.67	0.67	0.357	(0.243)	0.232	0.125
129	10.75	0.67	0.357	(0.241)	0.232	0.125
130	10.83	0.67	0.357	(0.240)	0.232	0.125
131	10.92	0.67	0.357	(0.239)	0.232	0.125
132	11.00	0.67	0.357	(0.238)	0.232	0.125
133	11.08	0.63	0.340	(0.237)	0.221	0.119
134	11.17	0.63	0.340	(0.236)	0.221	0.119
135	11.25	0.63	0.340	(0.234)	0.221	0.119
136	11.33	0.63	0.340	(0.233)	0.221	0.119
137	11.42	0.63	0.340	(0.232)	0.221	0.119
138	11.50	0.63	0.340	(0.231)	0.221	0.119
139	11.58	0.57	0.304	(0.230)	0.197	0.106
140	11.67	0.57	0.304	(0.229)	0.197	0.106
141	11.75	0.57	0.304	(0.227)	0.197	0.106
142	11.83	0.60	0.322	(0.226)	0.209	0.113
143	11.92	0.60	0.322	(0.225)	0.209	0.113
144	12.00	0.60	0.322	(0.224)	0.209	0.113
145	12.08	0.83	0.447	0.223	(0.290)	0.224
146	12.17	0.83	0.447	0.222	(0.290)	0.225
147	12.25	0.83	0.447	0.221	(0.290)	0.226
148	12.33	0.87	0.465	0.220	(0.302)	0.245
149	12.42	0.87	0.465	0.219	(0.302)	0.246
150	12.50	0.87	0.465	0.217	(0.302)	0.247
151	12.58	0.93	0.500	0.216	(0.325)	0.284
152	12.67	0.93	0.500	0.215	(0.325)	0.285
153	12.75	0.93	0.500	0.214	(0.325)	0.286
154	12.83	0.97	0.518	0.213	(0.337)	0.305
155	12.92	0.97	0.518	0.212	(0.337)	0.306
156	13.00	0.97	0.518	0.211	(0.337)	0.307
157	13.08	1.13	0.608	0.210	(0.395)	0.398
158	13.17	1.13	0.608	0.209	(0.395)	0.399
159	13.25	1.13	0.608	0.208	(0.395)	0.400
160	13.33	1.13	0.608	0.207	(0.395)	0.401
161	13.42	1.13	0.608	0.206	(0.395)	0.402
162	13.50	1.13	0.608	0.205	(0.395)	0.403
163	13.58	0.77	0.411	0.204	(0.267)	0.208
164	13.67	0.77	0.411	0.202	(0.267)	0.209
165	13.75	0.77	0.411	0.201	(0.267)	0.210
166	13.83	0.77	0.411	0.200	(0.267)	0.211
167	13.92	0.77	0.411	0.199	(0.267)	0.212
168	14.00	0.77	0.411	0.198	(0.267)	0.213
169	14.08	0.90	0.483	0.197	(0.314)	0.285

170	14.17	0.90	0.483	0.196	(0.314)	0.286
171	14.25	0.90	0.483	0.195	(0.314)	0.287
172	14.33	0.87	0.465	0.194	(0.302)	0.270
173	14.42	0.87	0.465	0.193	(0.302)	0.271
174	14.50	0.87	0.465	0.192	(0.302)	0.272
175	14.58	0.87	0.465	0.191	(0.302)	0.273
176	14.67	0.87	0.465	0.190	(0.302)	0.274
177	14.75	0.87	0.465	0.189	(0.302)	0.275
178	14.83	0.83	0.447	0.188	(0.290)	0.258
179	14.92	0.83	0.447	0.187	(0.290)	0.259
180	15.00	0.83	0.447	0.187	(0.290)	0.260
181	15.08	0.80	0.429	0.186	(0.279)	0.243
182	15.17	0.80	0.429	0.185	(0.279)	0.244
183	15.25	0.80	0.429	0.184	(0.279)	0.245
184	15.33	0.77	0.411	0.183	(0.267)	0.228
185	15.42	0.77	0.411	0.182	(0.267)	0.229
186	15.50	0.77	0.411	0.181	(0.267)	0.230
187	15.58	0.63	0.340	0.180	(0.221)	0.160
188	15.67	0.63	0.340	0.179	(0.221)	0.161
189	15.75	0.63	0.340	0.178	(0.221)	0.162
190	15.83	0.63	0.340	0.177	(0.221)	0.162
191	15.92	0.63	0.340	0.176	(0.221)	0.163
192	16.00	0.63	0.340	0.175	(0.221)	0.164
193	16.08	0.13	0.071	(0.174)	0.046	0.025
194	16.17	0.13	0.071	(0.174)	0.046	0.025
195	16.25	0.13	0.071	(0.173)	0.046	0.025
196	16.33	0.13	0.071	(0.172)	0.046	0.025
197	16.42	0.13	0.071	(0.171)	0.046	0.025
198	16.50	0.13	0.071	(0.170)	0.046	0.025
199	16.58	0.10	0.054	(0.169)	0.035	0.019
200	16.67	0.10	0.054	(0.168)	0.035	0.019
201	16.75	0.10	0.054	(0.168)	0.035	0.019
202	16.83	0.10	0.054	(0.167)	0.035	0.019
203	16.92	0.10	0.054	(0.166)	0.035	0.019
204	17.00	0.10	0.054	(0.165)	0.035	0.019
205	17.08	0.17	0.089	(0.164)	0.058	0.031
206	17.17	0.17	0.089	(0.163)	0.058	0.031
207	17.25	0.17	0.089	(0.162)	0.058	0.031
208	17.33	0.17	0.089	(0.162)	0.058	0.031
209	17.42	0.17	0.089	(0.161)	0.058	0.031
210	17.50	0.17	0.089	(0.160)	0.058	0.031
211	17.58	0.17	0.089	(0.159)	0.058	0.031
212	17.67	0.17	0.089	(0.158)	0.058	0.031
213	17.75	0.17	0.089	(0.158)	0.058	0.031
214	17.83	0.13	0.071	(0.157)	0.046	0.025
215	17.92	0.13	0.071	(0.156)	0.046	0.025
216	18.00	0.13	0.071	(0.155)	0.046	0.025
217	18.08	0.13	0.071	(0.155)	0.046	0.025
218	18.17	0.13	0.071	(0.154)	0.046	0.025
219	18.25	0.13	0.071	(0.153)	0.046	0.025
220	18.33	0.13	0.071	(0.152)	0.046	0.025
221	18.42	0.13	0.071	(0.152)	0.046	0.025
222	18.50	0.13	0.071	(0.151)	0.046	0.025
223	18.58	0.10	0.054	(0.150)	0.035	0.019
224	18.67	0.10	0.054	(0.149)	0.035	0.019
225	18.75	0.10	0.054	(0.149)	0.035	0.019
226	18.83	0.07	0.036	(0.148)	0.023	0.013
227	18.92	0.07	0.036	(0.147)	0.023	0.013
228	19.00	0.07	0.036	(0.147)	0.023	0.013
229	19.08	0.10	0.054	(0.146)	0.035	0.019
230	19.17	0.10	0.054	(0.145)	0.035	0.019
231	19.25	0.10	0.054	(0.145)	0.035	0.019
232	19.33	0.13	0.071	(0.144)	0.046	0.025
233	19.42	0.13	0.071	(0.143)	0.046	0.025
234	19.50	0.13	0.071	(0.143)	0.046	0.025
235	19.58	0.10	0.054	(0.142)	0.035	0.019
236	19.67	0.10	0.054	(0.141)	0.035	0.019

237	19.75	0.10	0.054	(0.141)	0.035	0.019
238	19.83	0.07	0.036	(0.140)	0.023	0.013
239	19.92	0.07	0.036	(0.139)	0.023	0.013
240	20.00	0.07	0.036	(0.139)	0.023	0.013
241	20.08	0.10	0.054	(0.138)	0.035	0.019
242	20.17	0.10	0.054	(0.137)	0.035	0.019
243	20.25	0.10	0.054	(0.137)	0.035	0.019
244	20.33	0.10	0.054	(0.136)	0.035	0.019
245	20.42	0.10	0.054	(0.136)	0.035	0.019
246	20.50	0.10	0.054	(0.135)	0.035	0.019
247	20.58	0.10	0.054	(0.135)	0.035	0.019
248	20.67	0.10	0.054	(0.134)	0.035	0.019
249	20.75	0.10	0.054	(0.133)	0.035	0.019
250	20.83	0.07	0.036	(0.133)	0.023	0.013
251	20.92	0.07	0.036	(0.132)	0.023	0.013
252	21.00	0.07	0.036	(0.132)	0.023	0.013
253	21.08	0.10	0.054	(0.131)	0.035	0.019
254	21.17	0.10	0.054	(0.131)	0.035	0.019
255	21.25	0.10	0.054	(0.130)	0.035	0.019
256	21.33	0.07	0.036	(0.130)	0.023	0.013
257	21.42	0.07	0.036	(0.129)	0.023	0.013
258	21.50	0.07	0.036	(0.129)	0.023	0.013
259	21.58	0.10	0.054	(0.128)	0.035	0.019
260	21.67	0.10	0.054	(0.128)	0.035	0.019
261	21.75	0.10	0.054	(0.127)	0.035	0.019
262	21.83	0.07	0.036	(0.127)	0.023	0.013
263	21.92	0.07	0.036	(0.127)	0.023	0.013
264	22.00	0.07	0.036	(0.126)	0.023	0.013
265	22.08	0.10	0.054	(0.126)	0.035	0.019
266	22.17	0.10	0.054	(0.125)	0.035	0.019
267	22.25	0.10	0.054	(0.125)	0.035	0.019
268	22.33	0.07	0.036	(0.124)	0.023	0.013
269	22.42	0.07	0.036	(0.124)	0.023	0.013
270	22.50	0.07	0.036	(0.124)	0.023	0.013
271	22.58	0.07	0.036	(0.123)	0.023	0.013
272	22.67	0.07	0.036	(0.123)	0.023	0.013
273	22.75	0.07	0.036	(0.123)	0.023	0.013
274	22.83	0.07	0.036	(0.122)	0.023	0.013
275	22.92	0.07	0.036	(0.122)	0.023	0.013
276	23.00	0.07	0.036	(0.122)	0.023	0.013
277	23.08	0.07	0.036	(0.121)	0.023	0.013
278	23.17	0.07	0.036	(0.121)	0.023	0.013
279	23.25	0.07	0.036	(0.121)	0.023	0.013
280	23.33	0.07	0.036	(0.121)	0.023	0.013
281	23.42	0.07	0.036	(0.120)	0.023	0.013
282	23.50	0.07	0.036	(0.120)	0.023	0.013
283	23.58	0.07	0.036	(0.120)	0.023	0.013
284	23.67	0.07	0.036	(0.120)	0.023	0.013
285	23.75	0.07	0.036	(0.120)	0.023	0.013
286	23.83	0.07	0.036	(0.120)	0.023	0.013
287	23.92	0.07	0.036	(0.120)	0.023	0.013
288	24.00	0.07	0.036	(0.119)	0.023	0.013

(Loss Rate Not Used)

Sum = 100.0 Sum = 23.6

Flood volume = Effective rainfall 1.97(In)
times area 47.2(Ac.)/[(In)/(Ft.)] = 7.7(Ac.Ft)
Total soil loss = 2.50(In)
Total soil loss = 9.848(Ac.Ft)
Total rainfall = 4.47(In)
Flood volume = 337000.6 Cubic Feet
Total soil loss = 428963.2 Cubic Feet

Peak flow rate of this hydrograph = 18.989(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0008	0.11	Q				
0+10	0.0036	0.40	Q				
0+15	0.0070	0.50	Q				
0+20	0.0111	0.60	VQ				
0+25	0.0164	0.76	VQ				
0+30	0.0221	0.83	VQ				
0+35	0.0280	0.86	VQ				
0+40	0.0340	0.88	VQ				
0+45	0.0401	0.89	VQ				
0+50	0.0466	0.95	VQ				
0+55	0.0542	1.10	V Q				
1+ 0	0.0620	1.14	V Q				
1+ 5	0.0697	1.11	V Q				
1+10	0.0764	0.97	VQ				
1+15	0.0828	0.94	VQ				
1+20	0.0891	0.92	VQ				
1+25	0.0954	0.91	VQ				
1+30	0.1017	0.90	VQ				
1+35	0.1078	0.90	VQ				
1+40	0.1140	0.89	VQ				
1+45	0.1202	0.89	VQ				
1+50	0.1267	0.95	VQ				
1+55	0.1343	1.10	V Q				
2+ 0	0.1421	1.14	V Q				
2+ 5	0.1502	1.16	V Q				
2+10	0.1583	1.18	V Q				
2+15	0.1664	1.18	V Q				
2+20	0.1746	1.19	V Q				
2+25	0.1828	1.19	V Q				
2+30	0.1910	1.19	V Q				
2+35	0.1996	1.25	|VQ				
2+40	0.2092	1.39	|VQ				
2+45	0.2192	1.44	|VQ				
2+50	0.2292	1.46	|VQ				
2+55	0.2394	1.47	|VQ				
3+ 0	0.2496	1.48	|VQ				
3+ 5	0.2598	1.49	|VQ				
3+10	0.2701	1.49	|VQ				
3+15	0.2804	1.49	|VQ				
3+20	0.2906	1.49	|VQ				
3+25	0.3009	1.49	|VQ				
3+30	0.3112	1.49	|VQ				
3+35	0.3215	1.49	|VQ				
3+40	0.3317	1.49	|VQ				
3+45	0.3420	1.49	|VQ				
3+50	0.3527	1.55	|V Q				
3+55	0.3643	1.69	|V Q				
4+ 0	0.3763	1.74	|V Q				
4+ 5	0.3884	1.76	| VQ				
4+10	0.4006	1.77	| VQ				
4+15	0.4129	1.78	| VQ				
4+20	0.4256	1.84	| VQ				
4+25	0.4393	1.99	| VQ				
4+30	0.4533	2.04	| V Q				
4+35	0.4675	2.06	| V Q				
4+40	0.4818	2.07	| V Q				
4+45	0.4961	2.08	| V Q				
4+50	0.5108	2.14	| V Q				
4+55	0.5266	2.29	| V Q				
5+ 0	0.5427	2.34	| V Q				
5+ 5	0.5581	2.24	| V Q				

```
 5+10       0.5716      1.96  | VQ      |         |         |         |
 5+15       0.5846      1.88  |  Q      |         |         |         |
 5+20       0.5977      1.90  |  Q      |         |         |         |
 5+25       0.6116      2.03  |  VQ     |         |         |         |
 5+30       0.6258      2.06  |  VQ     |         |         |         |
 5+35       0.6404      2.13  |  VQ     |         |         |         |
 5+40       0.6561      2.27  |  VQ     |         |         |         |
 5+45       0.6721      2.33  |  VQ     |         |         |         |
 5+50       0.6883      2.35  |  VQ     |         |         |         |
 5+55       0.7046      2.37  |  VQ     |         |         |         |
 6+ 0       0.7210      2.38  |  VQ     |         |         |         |
 6+ 5       0.7378      2.44  |  VQ     |         |         |         |
 6+10       0.7556      2.59  |  V Q    |         |         |         |
 6+15       0.7737      2.63  |   VQ    |         |         |         |
 6+20       0.7920      2.66  |   VQ    |         |         |         |
 6+25       0.8104      2.67  |   VQ    |         |         |         |
 6+30       0.8288      2.67  |   VQ    |         |         |         |
 6+35       0.8477      2.74  |   VQ    |         |         |         |
 6+40       0.8675      2.89  |   VQ    |         |         |         |
 6+45       0.8877      2.93  |   VQ    |         |         |         |
 6+50       0.9081      2.95  |   VQ    |         |         |         |
 6+55       0.9285      2.97  |   VQ    |         |         |         |
 7+ 0       0.9490      2.97  |   VQ    |         |         |         |
 7+ 5       0.9695      2.98  |    Q    |         |         |         |
 7+10       0.9900      2.98  |    Q    |         |         |         |
 7+15       1.0105      2.98  |    Q    |         |         |         |
 7+20       1.0315      3.04  |    VQ   |         |         |         |
 7+25       1.0534      3.18  |    VQ   |         |         |         |
 7+30       1.0757      3.23  |    VQ   |         |         |         |
 7+35       1.0984      3.31  |    VQ   |         |         |         |
 7+40       1.1223      3.47  |    VQ   |         |         |         |
 7+45       1.1465      3.52  |    V Q  |         |         |         |
 7+50       1.1714      3.60  |     VQ  |         |         |         |
 7+55       1.1973      3.76  |     VQ  |         |         |         |
 8+ 0       1.2236      3.82  |     VQ  |         |         |         |
 8+ 5       1.2508      3.96  |     VQ  |         |         |         |
 8+10       1.2802      4.26  |     V Q |         |         |         |
 8+15       1.3103      4.36  |     V Q |         |         |         |
 8+20       1.3406      4.41  |     V Q |         |         |         |
 8+25       1.3712      4.44  |      VQ |         |         |         |
 8+30       1.4019      4.45  |      VQ |         |         |         |
 8+35       1.4330      4.52  |      V Q|         |         |         |
 8+40       1.4652      4.68  |      V Q|         |         |         |
 8+45       1.4977      4.72  |      V Q|         |         |         |
 8+50       1.5308      4.80  |      V Q|         |         |         |
 8+55       1.5649      4.96  |       VQ|         |         |         |
 9+ 0       1.5994      5.01  |       V Q         |         |         |
 9+ 5       1.6349      5.15  |       V Q         |         |         |
 9+10       1.6725      5.46  |       V Q         |         |         |
 9+15       1.7108      5.56  |       V |Q        |         |         |
 9+20       1.7498      5.66  |        V|Q        |         |         |
 9+25       1.7899      5.83  |        V|Q        |         |         |
 9+30       1.8305      5.90  |        V|Q        |         |         |
 9+35       1.8718      5.98  |        V|Q        |         |         |
 9+40       1.9141      6.15  |        V| Q       |         |         |
 9+45       1.9568      6.20  |         V Q       |         |         |
 9+50       2.0002      6.29  |         V Q       |         |         |
 9+55       2.0448      6.48  |         V Q       |         |         |
10+ 0       2.0902      6.58  |         V  Q      |         |         |
10+ 5       2.1330      6.22  |         |VQ       |         |         |
10+10       2.1686      5.16  |         QV        |         |         |
10+15       2.2018      4.83  |        Q|V        |         |         |
10+20       2.2340      4.68  |        Q|V        |         |         |
10+25       2.2657      4.60  |        Q|V        |         |         |
10+30       2.2970      4.54  |        Q|V        |         |         |
10+35       2.3300      4.80  |        Q| V       |         |         |
10+40       2.3678      5.48  |         Q V       |         |         |
```

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10+45       2.4071      5.72  |          |QV        |          |          |
10+50       2.4472      5.82  |          |QV        |          |          |
10+55       2.4877      5.88  |          |QV        |          |          |
11+ 0       2.5285      5.92  |          |Q V       |          |          |
11+ 5       2.5690      5.88  |          |Q V       |          |          |
11+10       2.6087      5.76  |          |Q V       |          |          |
11+15       2.6480      5.72  |          |Q V       |          |          |
11+20       2.6873      5.69  |          |Q V       |          |          |
11+25       2.7264      5.68  |          |Q  V      |          |          |
11+30       2.7655      5.68  |          |Q  V      |          |          |
11+35       2.8037      5.56  |          |Q  V      |          |          |
11+40       2.8400      5.26  |         Q   V       |          |          |
11+45       2.8756      5.17  |         Q   V       |          |          |
11+50       2.9113      5.18  |         Q    V      |          |          |
11+55       2.9478      5.31  |         Q    V      |          |          |
12+ 0       2.9846      5.34  |         Q    V      |          |          |
12+ 5       3.0285      6.37  |          | Q  V      |          |          |
12+10       3.0901      8.95  |          |    V Q    |          |          |
12+15       3.1576      9.81  |          |     V  Q  |          |          |
12+20       3.2293     10.40  |          |     V   Q |          |          |
12+25       3.3055     11.07  |          |      V  | Q        |          |
12+30       3.3840     11.39  |          |      V  | Q        |          |
12+35       3.4661     11.92  |          |      V  |  Q       |          |
12+40       3.5550     12.91  |          |       V |    Q     |          |
12+45       3.6462     13.25  |          |       V |     Q    |          |
12+50       3.7398     13.59  |          |        V|      Q   |          |
12+55       3.8372     14.14  |          |        V|       Q  |          |
13+ 0       3.9361     14.37  |          |         V       Q  |          |
13+ 5       4.0417     15.33  |          |         V         Q          |
13+10       4.1622     17.50  |          |          |V        |   Q      |
13+15       4.2878     18.23  |          |          | V       |     Q    |
13+20       4.4158     18.60  |          |          | V       |      Q   |
13+25       4.5455     18.83  |          |          |  V      |      Q   |
13+30       4.6763     18.99  |          |          |   V     |      Q   |
13+35       4.7954     17.30  |          |          |   V     |   Q      |
13+40       4.8842     12.88  |          |          |    Q    |          |
13+45       4.9632     11.47  |          |          | Q  V    |          |
13+50       5.0380     10.86  |          |          |Q    V   |          |
13+55       5.1106     10.54  |          |          |Q    V   |          |
14+ 0       5.1818     10.35  |          |          Q     V   |          |
14+ 5       5.2569     10.90  |          |          |Q     V  |          |
14+10       5.3427     12.46  |          |          |   Q  V  |          |
14+15       5.4325     13.04  |          |          |     Q V |          |
14+20       5.5231     13.16  |          |          |     Q V |          |
14+25       5.6122     12.93  |          |          |    Q   V|          |
14+30       5.7013     12.93  |          |          |    Q   V|          |
14+35       5.7906     12.97  |          |          |    Q   V|          |
14+40       5.8804     13.04  |          |          |     Q   V          |
14+45       5.9704     13.06  |          |          |     Q   V          |
14+50       6.0595     12.93  |          |          |    Q    |V         |
14+55       6.1460     12.55  |          |          |    Q    |V         |
15+ 0       6.2318     12.47  |          |          |   Q     | V        |
15+ 5       6.3165     12.29  |          |          |   Q     | V        |
15+10       6.3984     11.89  |          |          |  Q      |  V       |
15+15       6.4795     11.78  |          |          |  Q      |  V       |
15+20       6.5593     11.59  |          |          |  Q      |  V       |
15+25       6.6363     11.17  |          |          | Q       |   V      |
15+30       6.7125     11.06  |          |          | Q       |   V      |
15+35       6.7839     10.38  |          |          Q         |    V     |
15+40       6.8441      8.73  |          |       Q  |         |    V     |
15+45       6.9007      8.22  |          |      Q   |         |    V     |
15+50       6.9558      8.01  |          |      Q   |         |    V     |
15+55       7.0103      7.91  |          |     Q    |         |     V    |
16+ 0       7.0644      7.86  |          |     Q    |         |     V    |
16+ 5       7.1096      6.56  |          |  Q       |         |     V    |
16+10       7.1325      3.32  |      Q   |          |         |     V    |
16+15       7.1482      2.29  |   Q      |          |         |     V    |
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16+20       7.1608      1.83  |  Q      |         |         |      V  |
16+25       7.1716      1.57  |  Q      |         |         |      V  |
16+30       7.1813      1.40  | Q       |         |         |      V  |
16+35       7.1898      1.24  | Q       |         |         |      V  |
16+40       7.1966      0.99  |Q        |         |         |      V  |
16+45       7.2031      0.94  |Q        |         |         |      V  |
16+50       7.2095      0.92  |Q        |         |         |      V  |
16+55       7.2157      0.91  |Q        |         |         |      V  |
17+ 0       7.2220      0.90  |Q        |         |         |      V  |
17+ 5       7.2290      1.01  | Q       |         |         |      V  |
17+10       7.2379      1.30  | Q       |         |         |      V  |
17+15       7.2475      1.39  | Q       |         |         |      V  |
17+20       7.2574      1.43  | Q       |         |         |      V  |
17+25       7.2674      1.46  | Q       |         |         |      V  |
17+30       7.2775      1.47  | Q       |         |         |      V  |
17+35       7.2877      1.48  | Q       |         |         |      V  |
17+40       7.2980      1.49  | Q       |         |         |      V  |
17+45       7.3083      1.49  | Q       |         |         |      V  |
17+50       7.3182      1.43  | Q       |         |         |      V  |
17+55       7.3270      1.29  | Q       |         |         |      V  |
18+ 0       7.3356      1.24  | Q       |         |         |      V  |
18+ 5       7.3440      1.22  | Q       |         |         |      V  |
18+10       7.3523      1.21  | Q       |         |         |       V |
18+15       7.3606      1.20  | Q       |         |         |       V |
18+20       7.3689      1.20  | Q       |         |         |       V |
18+25       7.3771      1.19  | Q       |         |         |       V |
18+30       7.3853      1.19  | Q       |         |         |       V |
18+35       7.3931      1.14  | Q       |         |         |       V |
18+40       7.3999      0.99  |Q        |         |         |       V |
18+45       7.4064      0.94  |Q        |         |         |       V |
18+50       7.4124      0.87  |Q        |         |         |       V |
18+55       7.4173      0.71  |Q        |         |         |       V |
19+ 0       7.4218      0.66  |Q        |         |         |       V |
19+ 5       7.4265      0.69  |Q        |         |         |       V |
19+10       7.4322      0.82  |Q        |         |         |       V |
19+15       7.4380      0.85  |Q        |         |         |       V |
19+20       7.4444      0.93  |Q        |         |         |       V |
19+25       7.4519      1.08  | Q       |         |         |       V |
19+30       7.4597      1.13  | Q       |         |         |       V |
19+35       7.4673      1.10  | Q       |         |         |       V |
19+40       7.4740      0.97  |Q        |         |         |       V |
19+45       7.4804      0.94  |Q        |         |         |       V |
19+50       7.4863      0.86  |Q        |         |         |       V |
19+55       7.4912      0.71  |Q        |         |         |       V |
20+ 0       7.4957      0.66  |Q        |         |         |       V |
20+ 5       7.5005      0.69  |Q        |         |         |       V |
20+10       7.5061      0.82  |Q        |         |         |       V |
20+15       7.5120      0.85  |Q        |         |         |       V |
20+20       7.5180      0.87  |Q        |         |         |       V |
20+25       7.5240      0.88  |Q        |         |         |       V |
20+30       7.5301      0.89  |Q        |         |         |       V |
20+35       7.5362      0.89  |Q        |         |         |       V |
20+40       7.5424      0.89  |Q        |         |         |       V |
20+45       7.5486      0.89  |Q        |         |         |        V|
20+50       7.5543      0.84  |Q        |         |         |        V|
20+55       7.5591      0.69  |Q        |         |         |        V|
21+ 0       7.5635      0.65  |Q        |         |         |        V|
21+ 5       7.5683      0.68  |Q        |         |         |        V|
21+10       7.5739      0.82  |Q        |         |         |        V|
21+15       7.5797      0.85  |Q        |         |         |        V|
21+20       7.5853      0.81  |Q        |         |         |        V|
21+25       7.5900      0.68  |Q        |         |         |        V|
21+30       7.5944      0.64  |Q        |         |         |        V|
21+35       7.5991      0.68  |Q        |         |         |        V|
21+40       7.6047      0.82  |Q        |         |         |        V|
21+45       7.6106      0.85  |Q        |         |         |        V|
21+50       7.6162      0.81  |Q        |         |         |        V|
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21+55	7.6208	0.68	|Q	|	|	|	V|
22+ 0	7.6252	0.64	|Q	|	|	|	V|
22+ 5	7.6299	0.68	|Q	|	|	|	V|
22+10	7.6355	0.82	|Q	|	|	|	V|
22+15	7.6414	0.85	|Q	|	|	|	V|
22+20	7.6470	0.81	|Q	|	|	|	V|
22+25	7.6516	0.68	|Q	|	|	|	V|
22+30	7.6560	0.64	|Q	|	|	|	V|
22+35	7.6603	0.62	|Q	|	|	|	V|
22+40	7.6645	0.61	|Q	|	|	|	V|
22+45	7.6687	0.61	|Q	|	|	|	V|
22+50	7.6728	0.60	|Q	|	|	|	V|
22+55	7.6769	0.60	|Q	|	|	|	V|
23+ 0	7.6810	0.60	|Q	|	|	|	V|
23+ 5	7.6851	0.60	|Q	|	|	|	V|
23+10	7.6892	0.60	|Q	|	|	|	V|
23+15	7.6934	0.60	|Q	|	|	|	V|
23+20	7.6975	0.60	|Q	|	|	|	V|
23+25	7.7016	0.60	|Q	|	|	|	V|
23+30	7.7057	0.60	|Q	|	|	|	V|
23+35	7.7098	0.60	|Q	|	|	|	V|
23+40	7.7139	0.60	|Q	|	|	|	V|
23+45	7.7180	0.60	|Q	|	|	|	V|
23+50	7.7221	0.60	|Q	|	|	|	V|
23+55	7.7262	0.60	|Q	|	|	|	V|
24+ 0	7.7303	0.60	|Q	|	|	|	V|
24+ 5	7.7336	0.48	Q	|	|	|	V|
24+10	7.7350	0.19	Q	|	|	|	V|
24+15	7.7356	0.10	Q	|	|	|	V|
24+20	7.7360	0.06	Q	|	|	|	V|
24+25	7.7363	0.03	Q	|	|	|	V|
24+30	7.7364	0.02	Q	|	|	|	V|
24+35	7.7365	0.01	Q	|	|	|	V|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/09/21 File: RVPRC1100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN C- PROPOSED UNIT HYDROGRAPH
100YR-1HR STORM

Drainage Area = 47.22(Ac.) = 0.074 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 47.22(Ac.) = 0.074 Sq. Mi.
Length along longest watercourse = 3940.00(Ft.)
Length along longest watercourse measured to centroid = 2045.00(Ft.)
Length along longest watercourse = 0.746 Mi.
Length along longest watercourse measured to centroid = 0.387 Mi.
Difference in elevation = 139.75(Ft.)
Slope along watercourse = 187.2792 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.083 Hr.
Lag time = 4.99 Min.
25% of lag time = 1.25 Min.
40% of lag time = 1.99 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	0.55	25.97

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	1.30	61.39

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 1.300(In)
Areal adjustment factor = 99.96 %
Adjusted average point rain = 1.299(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
47.220	72.50	0.313

Total Area Entered = 47.22(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
72.5	86.5	0.170	0.313	0.122	1.000	0.122
					Sum (F) =	0.122

```
     Area averaged mean soil loss (F) (In/Hr) =  0.122
     Minimum soil loss rate ((In/Hr)) =  0.061
     (for 24 hour storm duration)
     Soil low loss rate (decimal) =   0.650
     ------------------------------------------------------------------
     Slope of intensity-duration curve for a 1 hour storm =0.5500
     ------------------------------------------------------------------

                 U n i t  H y d r o g r a p h
                        VALLEY S-Curve
     ------------------------------------------------------------------
                 Unit Hydrograph Data
     ------------------------------------------------------------------
     Unit time period   Time % of lag   Distribution   Unit Hydrograph
         (hrs)                          Graph %           (CFS)
     ------------------------------------------------------------------
         1   0.083        100.263         19.281             9.176
         2   0.167        200.525         48.422            23.044
         3   0.250        300.788         15.595             7.422
         4   0.333        401.050          7.049             3.354
         5   0.417        501.313          3.964             1.887
         6   0.500        601.576          2.567             1.222
         7   0.583        701.838          1.592             0.757
         8   0.667        802.101          1.530             0.728
                                  Sum = 100.000   Sum=      47.589
-----------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
   1   0.08     3.30      0.515          0.122    (  0.334)        0.393
   2   0.17     4.20      0.655          0.122    (  0.425)        0.533
   3   0.25     4.40      0.686          0.122    (  0.446)        0.564
   4   0.33     4.80      0.748          0.122    (  0.486)        0.626
   5   0.42     5.20      0.811          0.122    (  0.527)        0.689
   6   0.50     6.20      0.967          0.122    (  0.628)        0.845
   7   0.58     6.80      1.060          0.122    (  0.689)        0.938
   8   0.67     8.80      1.372          0.122    (  0.891)        1.250
   9   0.75    13.90      2.167          0.122    (  1.408)        2.045
  10   0.83    31.40      4.896          0.122    (  3.181)        4.774
  11   0.92     7.20      1.123          0.122    (  0.729)        1.001
  12   1.00     3.80      0.593          0.122    (  0.385)        0.471
            (Loss Rate Not Used)
     Sum =     100.0                                 Sum =    14.1
      Flood volume = Effective rainfall      1.18(In)
       times area      47.2(Ac.)/[(In)/(Ft.)] =       4.6(Ac.Ft)
      Total soil loss =      0.12(In)
      Total soil loss =     0.480(Ac.Ft)
      Total rainfall =      1.30(In)
      Flood volume =      201817.3 Cubic Feet
      Total soil loss =       20918.6 Cubic Feet
      ------------------------------------------------------------------
       Peak flow rate of this hydrograph =    142.426(CFS)
      ------------------------------------------------------------------
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        1 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
      ------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

      ------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       50.0     100.0     150.0     200.0
  ------------------------------------------------------------------------
    0+ 5       0.0248      3.60  Q         |         |         |         |
    0+10       0.1208     13.94  |VQ       |         |         |         |
    0+15       0.2612     20.38  | V Q     |         |         |         |
```

```
    0+20       0.4267     24.03  |  VQ     |         |         |         |
    0+25       0.6160     27.48  |    Q    |         |         |         |
    0+30       0.8341     31.67  |     QV  |         |         |         |
    0+35       1.0911     37.32  |      Q V|         |         |         |
    0+40       1.3959     44.26  |       Q | V       |         |         |
    0+45       1.8111     60.29  |         | Q  V    |         |         |
    0+50       2.5462    106.74  |         |         |Q        |         |
    0+55       3.5271    142.43  |         |         |       Q V         |
    1+ 0       4.0392     74.36  |         |   Q     |         |   V     |
    1+ 5       4.3217     41.02  |       Q |         |         |      V  |
    1+10       4.4594     19.99  |  Q      |         |         |       V |
    1+15       4.5404     11.76  | Q       |         |         |        V|
    1+20       4.5901      7.22  |Q        |         |         |        V|
    1+25       4.6233      4.81  Q         |         |         |        V|
    1+30       4.6307      1.09  Q         |         |         |        V|
    1+35       4.6331      0.34  Q         |         |         |         V
---------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/29/21 File: RVPRC3100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

RIO VISTA DEVELOPMENT
BASIN C- PROPOSED UNIT HYDROGRAPH
100YR-3HR STORM

Drainage Area = 47.22(Ac.) = 0.074 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 47.22(Ac.) = 0.074 Sq. Mi.
Length along longest watercourse = 3940.00(Ft.)
Length along longest watercourse measured to centroid = 2045.00(Ft.)
Length along longest watercourse = 0.746 Mi.
Length along longest watercourse measured to centroid = 0.387 Mi.
Difference in elevation = 139.75(Ft.)
Slope along watercourse = 187.2792 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.083 Hr.
Lag time = 4.99 Min.
25% of lag time = 1.25 Min.
40% of lag time = 1.99 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	1.10	51.94

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	2.00	94.44

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 2.000(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
47.220	72.50	0.313

Total Area Entered = 47.22(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

AMC2	AMC-3	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
72.5	86.5	0.170	0.313	0.122	1.000	0.122
					Sum (F) =	0.122

Area averaged mean soil loss (F) (In/Hr) = 0.122
Minimum soil loss rate ((In/Hr)) = 0.061
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.650

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	100.263	19.281	9.176
2	0.167	200.525	48.422	23.044
3	0.250	300.788	15.595	7.422
4	0.333	401.050	7.049	3.354
5	0.417	501.313	3.964	1.887
6	0.500	601.576	2.567	1.222
7	0.583	701.838	1.592	0.757
8	0.667	802.101	1.530	0.728
			Sum = 100.000	Sum= 47.589

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	1.30	0.312	0.122	(	0.203)	0.190
2	0.17	1.30	0.312	0.122	(	0.203)	0.190
3	0.25	1.10	0.264	0.122	(	0.171)	0.142
4	0.33	1.50	0.360	0.122	(	0.234)	0.238
5	0.42	1.50	0.360	0.122	(	0.234)	0.238
6	0.50	1.80	0.432	0.122	(	0.281)	0.310
7	0.58	1.50	0.360	0.122	(	0.234)	0.238
8	0.67	1.80	0.432	0.122	(	0.281)	0.310
9	0.75	1.80	0.432	0.122	(	0.281)	0.310
10	0.83	1.50	0.360	0.122	(	0.234)	0.238
11	0.92	1.60	0.384	0.122	(	0.249)	0.262
12	1.00	1.80	0.432	0.122	(	0.281)	0.310
13	1.08	2.20	0.528	0.122	(	0.343)	0.406
14	1.17	2.20	0.528	0.122	(	0.343)	0.406
15	1.25	2.20	0.528	0.122	(	0.343)	0.406
16	1.33	2.00	0.480	0.122	(	0.312)	0.358
17	1.42	2.60	0.624	0.122	(	0.405)	0.502
18	1.50	2.70	0.648	0.122	(	0.421)	0.526
19	1.58	2.40	0.576	0.122	(	0.374)	0.454
20	1.67	2.70	0.648	0.122	(	0.421)	0.526
21	1.75	3.30	0.792	0.122	(	0.514)	0.670
22	1.83	3.10	0.744	0.122	(	0.483)	0.622
23	1.92	2.90	0.696	0.122	(	0.452)	0.574
24	2.00	3.00	0.720	0.122	(	0.468)	0.598
25	2.08	3.10	0.744	0.122	(	0.483)	0.622
26	2.17	4.20	1.008	0.122	(	0.655)	0.886
27	2.25	5.00	1.200	0.122	(	0.779)	1.078
28	2.33	3.50	0.840	0.122	(	0.546)	0.718
29	2.42	6.80	1.632	0.122	(	1.060)	1.510
30	2.50	7.30	1.752	0.122	(	1.138)	1.630
31	2.58	8.20	1.968	0.122	(	1.278)	1.846
32	2.67	5.90	1.416	0.122	(	0.920)	1.294
33	2.75	2.00	0.480	0.122	(	0.312)	0.358
34	2.83	1.80	0.432	0.122	(	0.281)	0.310

```
35   2.92     1.80      0.432          0.122    (  0.281)        0.310
36   3.00     0.60      0.144       (  0.122)       0.094        0.050
           (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    19.6
     Flood volume = Effective rainfall      1.64(In)
      times area      47.2(Ac.)/[(In)/(Ft.)] =       6.4(Ac.Ft)
     Total soil loss =      0.36(In)
     Total soil loss =     1.431(Ac.Ft)
     Total rainfall =      2.00(In)
     Flood volume =      280398.0 Cubic Feet
     Total soil loss =       62348.4 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     75.390(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         3 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       20.0      40.0      60.0      80.0
-------------------------------------------------------------------------
  0+ 5       0.0120      1.74  Q         |         |         |         |
  0+10       0.0542      6.12  V  Q      |         |         |         |
  0+15       0.1030      7.09  V  Q      |         |         |         |
  0+20       0.1547      7.50  V  Q      |         |         |         |
  0+25       0.2216      9.72  |V  Q     |         |         |         |
  0+30       0.2985     11.16  |V   Q    |         |         |         |
  0+35       0.3848     12.54  | V   Q   |         |         |         |
  0+40       0.4698     12.33  | V   Q   |         |         |         |
  0+45       0.5647     13.78  |  V  Q   |         |         |         |
  0+50       0.6582     13.59  |   V Q   |         |         |         |
  0+55       0.7437     12.41  |   V Q   |         |         |         |
  1+ 0       0.8331     12.97  |    VQ   |         |         |         |
  1+ 5       0.9362     14.98  |    V Q  |         |         |         |
  1+10       1.0568     17.50  |     V Q |         |         |         |
  1+15       1.1834     18.38  |      V Q|         |         |         |
  1+20       1.3096     18.33  |       VQ|         |         |         |
  1+25       1.4387     18.75  |       VQ|         |         |         |
  1+30       1.5910     22.10  |        V|Q        |         |         |
  1+35       1.7495     23.01  |         VQ        |         |         |
  1+40       1.9055     22.65  |         |Q        |         |         |
  1+45       2.0804     25.39  |         | Q       |         |         |
  1+50       2.2784     28.75  |         |   Q     |         |         |
  1+55       2.4745     28.48  |         |   QV    |         |         |
  2+ 0       2.6666     27.89  |         |  Q  V   |         |         |
  2+ 5       2.8627     28.47  |         |   Q  V  |         |         |
  2+10       3.0801     31.55  |         |    Q   V|         |         |
  2+15       3.3533     39.67  |         |        QV         |         |
  2+20       3.6487     42.89  |         |          |QV      |         |
  2+25       3.9529     44.18  |         |          | Q V    |         |
  2+30       4.3800     62.02  |         |          |      V  |Q        |
  2+35       4.8769     72.16  |         |          |         V     Q   |
  2+40       5.3962     75.39  |         |          |         |  V   Q  |
  2+45       5.7920     57.47  |         |          |       Q |    V    |
  2+50       6.0203     33.15  |         |     Q    |         |      V  |
  2+55       6.1864     24.13  |         | Q        |         |       V |
  3+ 0       6.3114     18.14  |         Q|         |         |        V|
  3+ 5       6.3758      9.35  |   Q     |         |         |        V|
  3+10       6.4085      4.76  | Q       |         |         |        V|
  3+15       6.4247      2.35  |Q        |         |         |        V|
  3+20       6.4314      0.97  Q         |         |         |        V|
  3+25       6.4350      0.52  Q         |         |         |        V|
  3+30       6.4368      0.26  Q         |         |         |        V|
  3+35       6.4371      0.04  Q         |         |         |         V
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/09/21 File: RVPRC6100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN C- PROPOSED UNIT HYDROGRAPH
100YR-6HR STORM

Drainage Area = 47.22(Ac.) = 0.074 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 47.22(Ac.) = 0.074 Sq. Mi.
Length along longest watercourse = 3940.00(Ft.)
Length along longest watercourse measured to centroid = 2045.00(Ft.)
Length along longest watercourse = 0.746 Mi.
Length along longest watercourse measured to centroid = 0.387 Mi.
Difference in elevation = 139.75(Ft.)
Slope along watercourse = 187.2792 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.083 Hr.
Lag time = 4.99 Min.
25% of lag time = 1.25 Min.
40% of lag time = 1.99 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	1.60	75.55

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	3.00	141.66

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 3.000(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 3.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
47.220	72.50	0.313

Total Area Entered = 47.22(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-3     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
72.5  86.5      0.170     0.313        0.122       1.000      0.122
                                                  Sum (F) =   0.122
Area averaged mean soil loss (F) (In/Hr) =  0.122
Minimum soil loss rate ((In/Hr)) =  0.061
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.650
```

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	100.263	19.281	9.176
2	0.167	200.525	48.422	23.044
3	0.250	300.788	15.595	7.422
4	0.333	401.050	7.049	3.354
5	0.417	501.313	3.964	1.887
6	0.500	601.576	2.567	1.222
7	0.583	701.838	1.592	0.757
8	0.667	802.101	1.530	0.728
			Sum = 100.000 Sum=	47.589

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.50	0.180	(0.122)		0.117	0.063
2	0.17	0.60	0.216	0.122	(	0.140)	0.094
3	0.25	0.60	0.216	0.122	(	0.140)	0.094
4	0.33	0.60	0.216	0.122	(	0.140)	0.094
5	0.42	0.60	0.216	0.122	(	0.140)	0.094
6	0.50	0.70	0.252	0.122	(	0.164)	0.130
7	0.58	0.70	0.252	0.122	(	0.164)	0.130
8	0.67	0.70	0.252	0.122	(	0.164)	0.130
9	0.75	0.70	0.252	0.122	(	0.164)	0.130
10	0.83	0.70	0.252	0.122	(	0.164)	0.130
11	0.92	0.70	0.252	0.122	(	0.164)	0.130
12	1.00	0.80	0.288	0.122	(	0.187)	0.166
13	1.08	0.80	0.288	0.122	(	0.187)	0.166
14	1.17	0.80	0.288	0.122	(	0.187)	0.166
15	1.25	0.80	0.288	0.122	(	0.187)	0.166
16	1.33	0.80	0.288	0.122	(	0.187)	0.166
17	1.42	0.80	0.288	0.122	(	0.187)	0.166
18	1.50	0.80	0.288	0.122	(	0.187)	0.166
19	1.58	0.80	0.288	0.122	(	0.187)	0.166
20	1.67	0.80	0.288	0.122	(	0.187)	0.166
21	1.75	0.80	0.288	0.122	(	0.187)	0.166
22	1.83	0.80	0.288	0.122	(	0.187)	0.166
23	1.92	0.80	0.288	0.122	(	0.187)	0.166
24	2.00	0.90	0.324	0.122	(	0.210)	0.202
25	2.08	0.80	0.288	0.122	(	0.187)	0.166
26	2.17	0.90	0.324	0.122	(	0.210)	0.202
27	2.25	0.90	0.324	0.122	(	0.210)	0.202
28	2.33	0.90	0.324	0.122	(	0.210)	0.202
29	2.42	0.90	0.324	0.122	(	0.210)	0.202
30	2.50	0.90	0.324	0.122	(	0.210)	0.202
31	2.58	0.90	0.324	0.122	(	0.210)	0.202
32	2.67	0.90	0.324	0.122	(	0.210)	0.202
33	2.75	1.00	0.360	0.122	(	0.234)	0.238

```
34   2.83     1.00      0.360          0.122    (  0.234)        0.238
35   2.92     1.00      0.360          0.122    (  0.234)        0.238
36   3.00     1.00      0.360          0.122    (  0.234)        0.238
37   3.08     1.00      0.360          0.122    (  0.234)        0.238
38   3.17     1.10      0.396          0.122    (  0.257)        0.274
39   3.25     1.10      0.396          0.122    (  0.257)        0.274
40   3.33     1.10      0.396          0.122    (  0.257)        0.274
41   3.42     1.20      0.432          0.122    (  0.281)        0.310
42   3.50     1.30      0.468          0.122    (  0.304)        0.346
43   3.58     1.40      0.504          0.122    (  0.327)        0.382
44   3.67     1.40      0.504          0.122    (  0.327)        0.382
45   3.75     1.50      0.540          0.122    (  0.351)        0.418
46   3.83     1.50      0.540          0.122    (  0.351)        0.418
47   3.92     1.60      0.576          0.122    (  0.374)        0.454
48   4.00     1.60      0.576          0.122    (  0.374)        0.454
49   4.08     1.70      0.612          0.122    (  0.397)        0.490
50   4.17     1.80      0.648          0.122    (  0.421)        0.526
51   4.25     1.90      0.684          0.122    (  0.444)        0.562
52   4.33     2.00      0.720          0.122    (  0.468)        0.598
53   4.42     2.10      0.756          0.122    (  0.491)        0.634
54   4.50     2.10      0.756          0.122    (  0.491)        0.634
55   4.58     2.20      0.792          0.122    (  0.514)        0.670
56   4.67     2.30      0.828          0.122    (  0.538)        0.706
57   4.75     2.40      0.864          0.122    (  0.561)        0.742
58   4.83     2.40      0.864          0.122    (  0.561)        0.742
59   4.92     2.50      0.900          0.122    (  0.585)        0.778
60   5.00     2.60      0.936          0.122    (  0.608)        0.814
61   5.08     3.10      1.116          0.122    (  0.725)        0.994
62   5.17     3.60      1.296          0.122    (  0.842)        1.174
63   5.25     3.90      1.404          0.122    (  0.912)        1.282
64   5.33     4.20      1.512          0.122    (  0.982)        1.390
65   5.42     4.70      1.692          0.122    (  1.099)        1.570
66   5.50     5.60      2.016          0.122    (  1.309)        1.894
67   5.58     1.90      0.684          0.122    (  0.444)        0.562
68   5.67     0.90      0.324          0.122    (  0.210)        0.202
69   5.75     0.60      0.216          0.122    (  0.140)        0.094
70   5.83     0.50      0.180       (  0.122)       0.117        0.063
71   5.92     0.30      0.108       (  0.122)       0.070        0.038
72   6.00     0.20      0.072       (  0.122)       0.047        0.025
            (Loss Rate Not Used)
   Sum =     100.0                                  Sum =    27.3
     Flood volume = Effective rainfall      2.28(In)
      times area      47.2(Ac.)/[(In)/(Ft.)] =       9.0(Ac.Ft)
     Total soil loss =      0.72(In)
     Total soil loss =     2.836(Ac.Ft)
     Total rainfall =      3.00(In)
     Flood volume =      390594.0 Cubic Feet
     Total soil loss =      123548.3 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     72.809(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       20.0      40.0      60.0      80.0
-------------------------------------------------------------------------
  0+ 5       0.0040      0.58  Q        |         |         |         |
  0+10       0.0199      2.32  VQ       |         |         |         |
  0+15       0.0440      3.50  VQ       |         |         |         |
  0+20       0.0711      3.94  VQ       |         |         |         |
  0+25       0.0998      4.16  V Q      |         |         |         |
  0+30       0.1316      4.63  V Q      |         |         |         |
  0+35       0.1698      5.54  V Q      |         |         |         |
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0+40       0.2103      5.88  V Q       |         |         |         |
0+45       0.2517      6.02  |V Q      |         |         |         |
0+50       0.2937      6.09  |V Q      |         |         |         |
0+55       0.3359      6.13  |V Q      |         |         |         |
1+ 0       0.3806      6.49  |V Q      |         |         |         |
1+ 5       0.4312      7.35  |V Q      |         |         |         |
1+10       0.4836      7.61  | VQ      |         |         |         |
1+15       0.5369      7.73  | VQ      |         |         |         |
1+20       0.5906      7.80  | VQ      |         |         |         |
1+25       0.6447      7.85  | VQ      |         |         |         |
1+30       0.6989      7.87  |  Q      |         |         |         |
1+35       0.7533      7.90  |  Q      |         |         |         |
1+40       0.8077      7.90  |  Q      |         |         |         |
1+45       0.8621      7.90  |  Q      |         |         |         |
1+50       0.9165      7.90  |  QV     |         |         |         |
1+55       0.9709      7.90  |  QV     |         |         |         |
2+ 0       1.0276      8.23  |   Q     |         |         |         |
2+ 5       1.0877      8.73  |   Q     |         |         |         |
2+10       1.1462      8.50  |   QV    |         |         |         |
2+15       1.2095      9.18  |   QV    |         |         |         |
2+20       1.2742      9.40  |   QV    |         |         |         |
2+25       1.3395      9.49  |   QV    |         |         |         |
2+30       1.4053      9.54  |   Q V   |         |         |         |
2+35       1.4713      9.59  |   Q V   |         |         |         |
2+40       1.5373      9.59  |   Q V   |         |         |         |
2+45       1.6058      9.94  |   Q  V  |         |         |         |
2+50       1.6800     10.77  |    Q V  |         |         |         |
2+55       1.7561     11.04  |    Q V  |         |         |         |
3+ 0       1.8329     11.16  |    Q  V |         |         |         |
3+ 5       1.9103     11.23  |    Q  V |         |         |         |
3+10       1.9902     11.60  |    Q  V |         |         |         |
3+15       2.0760     12.46  |     Q  V|         |         |         |
3+20       2.1639     12.75  |     Q  V|         |         |         |
3+25       2.2548     13.21  |     Q   V         |         |         |
3+30       2.3542     14.43  |      Q  V         |         |         |
3+35       2.4638     15.91  |      Q  V         |         |         |
3+40       2.5819     17.15  |       Q |V        |         |         |
3+45       2.7056     17.96  |       Q | V       |         |         |
3+50       2.8366     19.03  |        Q| V       |         |         |
3+55       2.9727     19.76  |        Q|  V      |         |         |
4+ 0       3.1161     20.81  |         Q  V      |         |         |
4+ 5       3.2644     21.53  |         Q   V     |         |         |
4+10       3.4219     22.88  |         |Q   V    |         |         |
4+15       3.5900     24.40  |         | Q   V   |         |         |
4+20       3.7693     26.02  |         |  Q  V   |         |         |
4+25       3.9598     27.67  |         |  Q   V  |         |         |
4+30       4.1597     29.02  |         |   Q   V |         |         |
4+35       4.3655     29.88  |         |   Q    V|         |         |
4+40       4.5812     31.33  |         |    Q    V         |         |
4+45       4.8079     32.92  |         |     Q   |V        |         |
4+50       5.0437     34.24  |         |      Q  | V       |         |
4+55       5.2853     35.08  |         |      Q  |  V      |         |
5+ 0       5.5366     36.49  |         |       Q |   V     |         |
5+ 5       5.8079     39.38  |         |        Q|    V    |         |
5+10       6.1224     45.67  |         |         | Q    V  |         |
5+15       6.4832     52.39  |         |         |     Q V |         |
5+20       6.8823     57.95  |         |         |       Q V         |
5+25       7.3225     63.91  |         |         |         |QV       |
5+30       7.8239     72.81  |         |         |         |   V Q   |
5+35       8.3083     70.34  |         |         |         |    Q V  |
5+40       8.5834     39.94  |         |        Q|         |       V |
5+45       8.7386     22.53  |         |Q        |         |       V |
5+50       8.8323     13.61  |     Q   |         |         |        V|
5+55       8.8926      8.75  |   Q     |         |         |        V|
6+ 0       8.9307      5.53  | Q       |         |         |        V|
6+ 5       8.9534      3.30  |Q        |         |         |        V|
6+10       8.9611      1.11  Q         |         |         |        V|
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    6+15       8.9642      0.45  Q         |         |         |        V|
    6+20       8.9656      0.21  Q         |         |         |        V|
    6+25       8.9664      0.11  Q         |         |         |        V|
    6+30       8.9667      0.05  Q         |         |         |        V|
    6+35       8.9668      0.02  Q         |         |         |         V
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/29/21 File: RVPRC24100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN C- PROPOSED UNIT HYDROGRAPH
100YR-24HR STORM

Drainage Area = 47.22(Ac.) = 0.074 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 47.22(Ac.) = 0.074 Sq. Mi.
Length along longest watercourse = 3940.00(Ft.)
Length along longest watercourse measured to centroid = 2045.00(Ft.)
Length along longest watercourse = 0.746 Mi.
Length along longest watercourse measured to centroid = 0.387 Mi.
Difference in elevation = 139.75(Ft.)
Slope along watercourse = 187.2792 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.083 Hr.
Lag time = 4.99 Min.
25% of lag time = 1.25 Min.
40% of lag time = 1.99 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	2.70	127.49

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	7.00	330.54

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 7.000(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 6.999(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
47.220	72.50	0.313

Total Area Entered = 47.22(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-3     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
72.5  86.5      0.170     0.313        0.122       1.000      0.122
                                                  Sum (F) =   0.122
Area averaged mean soil loss (F) (In/Hr) =  0.122
Minimum soil loss rate ((In/Hr)) =  0.061
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.650
```

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	100.263	19.281	9.176
2	0.167	200.525	48.422	23.044
3	0.250	300.788	15.595	7.422
4	0.333	401.050	7.049	3.354
5	0.417	501.313	3.964	1.887
6	0.500	601.576	2.567	1.222
7	0.583	701.838	1.592	0.757
8	0.667	802.101	1.530	0.728
			Sum = 100.000 Sum=	47.589

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.056	(0.216)	0.036	0.020
2	0.17	0.07	0.056	(0.216)	0.036	0.020
3	0.25	0.07	0.056	(0.215)	0.036	0.020
4	0.33	0.10	0.084	(0.214)	0.055	0.029
5	0.42	0.10	0.084	(0.213)	0.055	0.029
6	0.50	0.10	0.084	(0.212)	0.055	0.029
7	0.58	0.10	0.084	(0.211)	0.055	0.029
8	0.67	0.10	0.084	(0.211)	0.055	0.029
9	0.75	0.10	0.084	(0.210)	0.055	0.029
10	0.83	0.13	0.112	(0.209)	0.073	0.039
11	0.92	0.13	0.112	(0.208)	0.073	0.039
12	1.00	0.13	0.112	(0.207)	0.073	0.039
13	1.08	0.10	0.084	(0.206)	0.055	0.029
14	1.17	0.10	0.084	(0.206)	0.055	0.029
15	1.25	0.10	0.084	(0.205)	0.055	0.029
16	1.33	0.10	0.084	(0.204)	0.055	0.029
17	1.42	0.10	0.084	(0.203)	0.055	0.029
18	1.50	0.10	0.084	(0.202)	0.055	0.029
19	1.58	0.10	0.084	(0.202)	0.055	0.029
20	1.67	0.10	0.084	(0.201)	0.055	0.029
21	1.75	0.10	0.084	(0.200)	0.055	0.029
22	1.83	0.13	0.112	(0.199)	0.073	0.039
23	1.92	0.13	0.112	(0.198)	0.073	0.039
24	2.00	0.13	0.112	(0.198)	0.073	0.039
25	2.08	0.13	0.112	(0.197)	0.073	0.039
26	2.17	0.13	0.112	(0.196)	0.073	0.039
27	2.25	0.13	0.112	(0.195)	0.073	0.039
28	2.33	0.13	0.112	(0.194)	0.073	0.039
29	2.42	0.13	0.112	(0.194)	0.073	0.039
30	2.50	0.13	0.112	(0.193)	0.073	0.039
31	2.58	0.17	0.140	(0.192)	0.091	0.049
32	2.67	0.17	0.140	(0.191)	0.091	0.049
33	2.75	0.17	0.140	(0.190)	0.091	0.049

34	2.83	0.17	0.140	(0.190)	0.091	0.049
35	2.92	0.17	0.140	(0.189)	0.091	0.049
36	3.00	0.17	0.140	(0.188)	0.091	0.049
37	3.08	0.17	0.140	(0.187)	0.091	0.049
38	3.17	0.17	0.140	(0.186)	0.091	0.049
39	3.25	0.17	0.140	(0.186)	0.091	0.049
40	3.33	0.17	0.140	(0.185)	0.091	0.049
41	3.42	0.17	0.140	(0.184)	0.091	0.049
42	3.50	0.17	0.140	(0.183)	0.091	0.049
43	3.58	0.17	0.140	(0.183)	0.091	0.049
44	3.67	0.17	0.140	(0.182)	0.091	0.049
45	3.75	0.17	0.140	(0.181)	0.091	0.049
46	3.83	0.20	0.168	(0.180)	0.109	0.059
47	3.92	0.20	0.168	(0.180)	0.109	0.059
48	4.00	0.20	0.168	(0.179)	0.109	0.059
49	4.08	0.20	0.168	(0.178)	0.109	0.059
50	4.17	0.20	0.168	(0.177)	0.109	0.059
51	4.25	0.20	0.168	(0.177)	0.109	0.059
52	4.33	0.23	0.196	(0.176)	0.127	0.069
53	4.42	0.23	0.196	(0.175)	0.127	0.069
54	4.50	0.23	0.196	(0.174)	0.127	0.069
55	4.58	0.23	0.196	(0.174)	0.127	0.069
56	4.67	0.23	0.196	(0.173)	0.127	0.069
57	4.75	0.23	0.196	(0.172)	0.127	0.069
58	4.83	0.27	0.224	(0.171)	0.145	0.078
59	4.92	0.27	0.224	(0.171)	0.145	0.078
60	5.00	0.27	0.224	(0.170)	0.145	0.078
61	5.08	0.20	0.168	(0.169)	0.109	0.059
62	5.17	0.20	0.168	(0.168)	0.109	0.059
63	5.25	0.20	0.168	(0.168)	0.109	0.059
64	5.33	0.23	0.196	(0.167)	0.127	0.069
65	5.42	0.23	0.196	(0.166)	0.127	0.069
66	5.50	0.23	0.196	(0.165)	0.127	0.069
67	5.58	0.27	0.224	(0.165)	0.145	0.078
68	5.67	0.27	0.224	(0.164)	0.145	0.078
69	5.75	0.27	0.224	(0.163)	0.145	0.078
70	5.83	0.27	0.224	(0.163)	0.145	0.078
71	5.92	0.27	0.224	(0.162)	0.145	0.078
72	6.00	0.27	0.224	(0.161)	0.145	0.078
73	6.08	0.30	0.252	0.160	(0.164)	0.092
74	6.17	0.30	0.252	0.160	(0.164)	0.092
75	6.25	0.30	0.252	0.159	(0.164)	0.093
76	6.33	0.30	0.252	0.158	(0.164)	0.094
77	6.42	0.30	0.252	0.158	(0.164)	0.094
78	6.50	0.30	0.252	0.157	(0.164)	0.095
79	6.58	0.33	0.280	0.156	(0.182)	0.124
80	6.67	0.33	0.280	0.155	(0.182)	0.125
81	6.75	0.33	0.280	0.155	(0.182)	0.125
82	6.83	0.33	0.280	0.154	(0.182)	0.126
83	6.92	0.33	0.280	0.153	(0.182)	0.127
84	7.00	0.33	0.280	0.153	(0.182)	0.127
85	7.08	0.33	0.280	0.152	(0.182)	0.128
86	7.17	0.33	0.280	0.151	(0.182)	0.129
87	7.25	0.33	0.280	0.151	(0.182)	0.129
88	7.33	0.37	0.308	0.150	(0.200)	0.158
89	7.42	0.37	0.308	0.149	(0.200)	0.159
90	7.50	0.37	0.308	0.148	(0.200)	0.159
91	7.58	0.40	0.336	0.148	(0.218)	0.188
92	7.67	0.40	0.336	0.147	(0.218)	0.189
93	7.75	0.40	0.336	0.146	(0.218)	0.190
94	7.83	0.43	0.364	0.146	(0.236)	0.218
95	7.92	0.43	0.364	0.145	(0.236)	0.219
96	8.00	0.43	0.364	0.144	(0.236)	0.220
97	8.08	0.50	0.420	0.144	(0.273)	0.276
98	8.17	0.50	0.420	0.143	(0.273)	0.277
99	8.25	0.50	0.420	0.142	(0.273)	0.278
100	8.33	0.50	0.420	0.142	(0.273)	0.278

101	8.42	0.50	0.420	0.141	(0.273)	0.279
102	8.50	0.50	0.420	0.140	(0.273)	0.280
103	8.58	0.53	0.448	0.140	(0.291)	0.308
104	8.67	0.53	0.448	0.139	(0.291)	0.309
105	8.75	0.53	0.448	0.138	(0.291)	0.309
106	8.83	0.57	0.476	0.138	(0.309)	0.338
107	8.92	0.57	0.476	0.137	(0.309)	0.339
108	9.00	0.57	0.476	0.137	(0.309)	0.339
109	9.08	0.63	0.532	0.136	(0.346)	0.396
110	9.17	0.63	0.532	0.135	(0.346)	0.397
111	9.25	0.63	0.532	0.135	(0.346)	0.397
112	9.33	0.67	0.560	0.134	(0.364)	0.426
113	9.42	0.67	0.560	0.133	(0.364)	0.427
114	9.50	0.67	0.560	0.133	(0.364)	0.427
115	9.58	0.70	0.588	0.132	(0.382)	0.456
116	9.67	0.70	0.588	0.131	(0.382)	0.457
117	9.75	0.70	0.588	0.131	(0.382)	0.457
118	9.83	0.73	0.616	0.130	(0.400)	0.486
119	9.92	0.73	0.616	0.129	(0.400)	0.486
120	10.00	0.73	0.616	0.129	(0.400)	0.487
121	10.08	0.50	0.420	0.128	(0.273)	0.292
122	10.17	0.50	0.420	0.128	(0.273)	0.292
123	10.25	0.50	0.420	0.127	(0.273)	0.293
124	10.33	0.50	0.420	0.126	(0.273)	0.294
125	10.42	0.50	0.420	0.126	(0.273)	0.294
126	10.50	0.50	0.420	0.125	(0.273)	0.295
127	10.58	0.67	0.560	0.125	(0.364)	0.435
128	10.67	0.67	0.560	0.124	(0.364)	0.436
129	10.75	0.67	0.560	0.123	(0.364)	0.437
130	10.83	0.67	0.560	0.123	(0.364)	0.437
131	10.92	0.67	0.560	0.122	(0.364)	0.438
132	11.00	0.67	0.560	0.122	(0.364)	0.438
133	11.08	0.63	0.532	0.121	(0.346)	0.411
134	11.17	0.63	0.532	0.120	(0.346)	0.412
135	11.25	0.63	0.532	0.120	(0.346)	0.412
136	11.33	0.63	0.532	0.119	(0.346)	0.413
137	11.42	0.63	0.532	0.119	(0.346)	0.413
138	11.50	0.63	0.532	0.118	(0.346)	0.414
139	11.58	0.57	0.476	0.117	(0.309)	0.359
140	11.67	0.57	0.476	0.117	(0.309)	0.359
141	11.75	0.57	0.476	0.116	(0.309)	0.360
142	11.83	0.60	0.504	0.116	(0.327)	0.388
143	11.92	0.60	0.504	0.115	(0.327)	0.389
144	12.00	0.60	0.504	0.114	(0.327)	0.389
145	12.08	0.83	0.700	0.114	(0.455)	0.586
146	12.17	0.83	0.700	0.113	(0.455)	0.587
147	12.25	0.83	0.700	0.113	(0.455)	0.587
148	12.33	0.87	0.728	0.112	(0.473)	0.616
149	12.42	0.87	0.728	0.112	(0.473)	0.616
150	12.50	0.87	0.728	0.111	(0.473)	0.617
151	12.58	0.93	0.784	0.111	(0.509)	0.673
152	12.67	0.93	0.784	0.110	(0.509)	0.674
153	12.75	0.93	0.784	0.109	(0.509)	0.675
154	12.83	0.97	0.812	0.109	(0.527)	0.703
155	12.92	0.97	0.812	0.108	(0.527)	0.704
156	13.00	0.97	0.812	0.108	(0.527)	0.704
157	13.08	1.13	0.952	0.107	(0.618)	0.845
158	13.17	1.13	0.952	0.107	(0.618)	0.845
159	13.25	1.13	0.952	0.106	(0.618)	0.846
160	13.33	1.13	0.952	0.106	(0.618)	0.846
161	13.42	1.13	0.952	0.105	(0.618)	0.847
162	13.50	1.13	0.952	0.105	(0.618)	0.847
163	13.58	0.77	0.644	0.104	(0.418)	0.540
164	13.67	0.77	0.644	0.103	(0.418)	0.540
165	13.75	0.77	0.644	0.103	(0.418)	0.541
166	13.83	0.77	0.644	0.102	(0.418)	0.542
167	13.92	0.77	0.644	0.102	(0.418)	0.542

168	14.00	0.77	0.644		0.101	(0.418)		0.543
169	14.08	0.90	0.756		0.101	(0.491)		0.655
170	14.17	0.90	0.756		0.100	(0.491)		0.656
171	14.25	0.90	0.756		0.100	(0.491)		0.656
172	14.33	0.87	0.728		0.099	(0.473)		0.629
173	14.42	0.87	0.728		0.099	(0.473)		0.629
174	14.50	0.87	0.728		0.098	(0.473)		0.630
175	14.58	0.87	0.728		0.098	(0.473)		0.630
176	14.67	0.87	0.728		0.097	(0.473)		0.631
177	14.75	0.87	0.728		0.097	(0.473)		0.631
178	14.83	0.83	0.700		0.096	(0.455)		0.604
179	14.92	0.83	0.700		0.096	(0.455)		0.604
180	15.00	0.83	0.700		0.095	(0.455)		0.605
181	15.08	0.80	0.672		0.095	(0.436)		0.577
182	15.17	0.80	0.672		0.094	(0.436)		0.578
183	15.25	0.80	0.672		0.094	(0.436)		0.578
184	15.33	0.77	0.644		0.093	(0.418)		0.551
185	15.42	0.77	0.644		0.093	(0.418)		0.551
186	15.50	0.77	0.644		0.092	(0.418)		0.552
187	15.58	0.63	0.532		0.092	(0.346)		0.440
188	15.67	0.63	0.532		0.091	(0.346)		0.440
189	15.75	0.63	0.532		0.091	(0.346)		0.441
190	15.83	0.63	0.532		0.091	(0.346)		0.441
191	15.92	0.63	0.532		0.090	(0.346)		0.442
192	16.00	0.63	0.532		0.090	(0.346)		0.442
193	16.08	0.13	0.112	(0.089)		0.073		0.039
194	16.17	0.13	0.112	(0.089)		0.073		0.039
195	16.25	0.13	0.112	(0.088)		0.073		0.039
196	16.33	0.13	0.112	(0.088)		0.073		0.039
197	16.42	0.13	0.112	(0.087)		0.073		0.039
198	16.50	0.13	0.112	(0.087)		0.073		0.039
199	16.58	0.10	0.084	(0.086)		0.055		0.029
200	16.67	0.10	0.084	(0.086)		0.055		0.029
201	16.75	0.10	0.084	(0.086)		0.055		0.029
202	16.83	0.10	0.084	(0.085)		0.055		0.029
203	16.92	0.10	0.084	(0.085)		0.055		0.029
204	17.00	0.10	0.084	(0.084)		0.055		0.029
205	17.08	0.17	0.140		0.084	(0.091)		0.056
206	17.17	0.17	0.140		0.083	(0.091)		0.057
207	17.25	0.17	0.140		0.083	(0.091)		0.057
208	17.33	0.17	0.140		0.083	(0.091)		0.057
209	17.42	0.17	0.140		0.082	(0.091)		0.058
210	17.50	0.17	0.140		0.082	(0.091)		0.058
211	17.58	0.17	0.140		0.081	(0.091)		0.059
212	17.67	0.17	0.140		0.081	(0.091)		0.059
213	17.75	0.17	0.140		0.081	(0.091)		0.059
214	17.83	0.13	0.112	(0.080)		0.073		0.039
215	17.92	0.13	0.112	(0.080)		0.073		0.039
216	18.00	0.13	0.112	(0.079)		0.073		0.039
217	18.08	0.13	0.112	(0.079)		0.073		0.039
218	18.17	0.13	0.112	(0.079)		0.073		0.039
219	18.25	0.13	0.112	(0.078)		0.073		0.039
220	18.33	0.13	0.112	(0.078)		0.073		0.039
221	18.42	0.13	0.112	(0.077)		0.073		0.039
222	18.50	0.13	0.112	(0.077)		0.073		0.039
223	18.58	0.10	0.084	(0.077)		0.055		0.029
224	18.67	0.10	0.084	(0.076)		0.055		0.029
225	18.75	0.10	0.084	(0.076)		0.055		0.029
226	18.83	0.07	0.056	(0.076)		0.036		0.020
227	18.92	0.07	0.056	(0.075)		0.036		0.020
228	19.00	0.07	0.056	(0.075)		0.036		0.020
229	19.08	0.10	0.084	(0.075)		0.055		0.029
230	19.17	0.10	0.084	(0.074)		0.055		0.029
231	19.25	0.10	0.084	(0.074)		0.055		0.029
232	19.33	0.13	0.112	(0.073)		0.073		0.039
233	19.42	0.13	0.112	(0.073)		0.073		0.039
234	19.50	0.13	0.112	(0.073)		0.073		0.039

235	19.58	0.10	0.084	(0.072)	0.055	0.029
236	19.67	0.10	0.084	(0.072)	0.055	0.029
237	19.75	0.10	0.084	(0.072)	0.055	0.029
238	19.83	0.07	0.056	(0.072)	0.036	0.020
239	19.92	0.07	0.056	(0.071)	0.036	0.020
240	20.00	0.07	0.056	(0.071)	0.036	0.020
241	20.08	0.10	0.084	(0.071)	0.055	0.029
242	20.17	0.10	0.084	(0.070)	0.055	0.029
243	20.25	0.10	0.084	(0.070)	0.055	0.029
244	20.33	0.10	0.084	(0.070)	0.055	0.029
245	20.42	0.10	0.084	(0.069)	0.055	0.029
246	20.50	0.10	0.084	(0.069)	0.055	0.029
247	20.58	0.10	0.084	(0.069)	0.055	0.029
248	20.67	0.10	0.084	(0.068)	0.055	0.029
249	20.75	0.10	0.084	(0.068)	0.055	0.029
250	20.83	0.07	0.056	(0.068)	0.036	0.020
251	20.92	0.07	0.056	(0.068)	0.036	0.020
252	21.00	0.07	0.056	(0.067)	0.036	0.020
253	21.08	0.10	0.084	(0.067)	0.055	0.029
254	21.17	0.10	0.084	(0.067)	0.055	0.029
255	21.25	0.10	0.084	(0.067)	0.055	0.029
256	21.33	0.07	0.056	(0.066)	0.036	0.020
257	21.42	0.07	0.056	(0.066)	0.036	0.020
258	21.50	0.07	0.056	(0.066)	0.036	0.020
259	21.58	0.10	0.084	(0.066)	0.055	0.029
260	21.67	0.10	0.084	(0.065)	0.055	0.029
261	21.75	0.10	0.084	(0.065)	0.055	0.029
262	21.83	0.07	0.056	(0.065)	0.036	0.020
263	21.92	0.07	0.056	(0.065)	0.036	0.020
264	22.00	0.07	0.056	(0.064)	0.036	0.020
265	22.08	0.10	0.084	(0.064)	0.055	0.029
266	22.17	0.10	0.084	(0.064)	0.055	0.029
267	22.25	0.10	0.084	(0.064)	0.055	0.029
268	22.33	0.07	0.056	(0.064)	0.036	0.020
269	22.42	0.07	0.056	(0.063)	0.036	0.020
270	22.50	0.07	0.056	(0.063)	0.036	0.020
271	22.58	0.07	0.056	(0.063)	0.036	0.020
272	22.67	0.07	0.056	(0.063)	0.036	0.020
273	22.75	0.07	0.056	(0.063)	0.036	0.020
274	22.83	0.07	0.056	(0.063)	0.036	0.020
275	22.92	0.07	0.056	(0.062)	0.036	0.020
276	23.00	0.07	0.056	(0.062)	0.036	0.020
277	23.08	0.07	0.056	(0.062)	0.036	0.020
278	23.17	0.07	0.056	(0.062)	0.036	0.020
279	23.25	0.07	0.056	(0.062)	0.036	0.020
280	23.33	0.07	0.056	(0.062)	0.036	0.020
281	23.42	0.07	0.056	(0.062)	0.036	0.020
282	23.50	0.07	0.056	(0.061)	0.036	0.020
283	23.58	0.07	0.056	(0.061)	0.036	0.020
284	23.67	0.07	0.056	(0.061)	0.036	0.020
285	23.75	0.07	0.056	(0.061)	0.036	0.020
286	23.83	0.07	0.056	(0.061)	0.036	0.020
287	23.92	0.07	0.056	(0.061)	0.036	0.020
288	24.00	0.07	0.056	(0.061)	0.036	0.020

(Loss Rate Not Used)

Sum = 100.0 Sum = 57.5

Flood volume = Effective rainfall 4.79(In)
times area 47.2(Ac.)/[(In)/(Ft.)] = 18.9(Ac.Ft)
Total soil loss = 2.21(In)
Total soil loss = 8.677(Ac.Ft)
Total rainfall = 7.00(In)
Flood volume = 821768.5 Cubic Feet
Total soil loss = 377981.0 Cubic Feet

Peak flow rate of this hydrograph = 40.101(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	12.5	25.0	37.5	50.0
0+ 5	0.0012	0.18	Q				
0+10	0.0056	0.63	Q				
0+15	0.0110	0.78	Q				
0+20	0.0174	0.93	Q				
0+25	0.0256	1.20	Q				
0+30	0.0345	1.29	VQ				
0+35	0.0438	1.34	VQ				
0+40	0.0533	1.37	VQ				
0+45	0.0628	1.39	VQ				
0+50	0.0730	1.48	VQ				
0+55	0.0849	1.72	VQ				
1+ 0	0.0972	1.79	VQ				
1+ 5	0.1091	1.73	VQ				
1+10	0.1196	1.53	VQ				
1+15	0.1297	1.46	VQ				
1+20	0.1396	1.44	VQ				
1+25	0.1495	1.43	VQ				
1+30	0.1592	1.42	VQ				
1+35	0.1689	1.41	VQ				
1+40	0.1786	1.40	VQ				
1+45	0.1882	1.40	VQ				
1+50	0.1985	1.49	VQ				
1+55	0.2103	1.72	VQ				
2+ 0	0.2227	1.79	VQ				
2+ 5	0.2352	1.82	VQ				
2+10	0.2479	1.84	VQ				
2+15	0.2607	1.85	VQ				
2+20	0.2735	1.86	VQ				
2+25	0.2863	1.87	VQ				
2+30	0.2992	1.87	VQ				
2+35	0.3127	1.96	VQ				
2+40	0.3277	2.18	VQ				
2+45	0.3433	2.26	VQ				
2+50	0.3591	2.29	VQ				
2+55	0.3750	2.31	VQ				
3+ 0	0.3910	2.32	VQ				
3+ 5	0.4070	2.33	VQ				
3+10	0.4231	2.34	VQ				
3+15	0.4392	2.34	VQ				
3+20	0.4552	2.34	VQ				
3+25	0.4713	2.34	VQ				
3+30	0.4874	2.34	|Q				
3+35	0.5035	2.34	|Q				
3+40	0.5196	2.34	|Q				
3+45	0.5357	2.34	|Q				
3+50	0.5524	2.43	|Q				
3+55	0.5706	2.65	|VQ				
4+ 0	0.5894	2.72	|VQ				
4+ 5	0.6084	2.76	|VQ				
4+10	0.6275	2.78	|VQ				
4+15	0.6467	2.79	|VQ				
4+20	0.6666	2.89	|VQ				
4+25	0.6881	3.12	|VQ				
4+30	0.7100	3.19	|VQ				
4+35	0.7323	3.22	|VQ				
4+40	0.7546	3.24	|VQ				
4+45	0.7770	3.26	|VQ				
4+50	0.8001	3.35	|VQ				
4+55	0.8248	3.59	|VQ				

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 5+ 0       0.8500      3.66  |VQ       |          |          |          |
 5+ 5       0.8742      3.51  |VQ       |          |          |          |
 5+10       0.8954      3.08  |VQ       |          |          |          |
 5+15       0.9157      2.94  |VQ       |          |          |          |
 5+20       0.9361      2.98  |VQ       |          |          |          |
 5+25       0.9580      3.17  | Q       |          |          |          |
 5+30       0.9802      3.22  | Q       |          |          |          |
 5+35       1.0031      3.33  | Q       |          |          |          |
 5+40       1.0276      3.56  | Q       |          |          |          |
 5+45       1.0527      3.64  | Q       |          |          |          |
 5+50       1.0781      3.68  | Q       |          |          |          |
 5+55       1.1036      3.71  | Q       |          |          |          |
 6+ 0       1.1293      3.72  | Q       |          |          |          |
 6+ 5       1.1558      3.85  | VQ      |          |          |          |
 6+10       1.1845      4.17  | VQ      |          |          |          |
 6+15       1.2140      4.29  | VQ      |          |          |          |
 6+20       1.2440      4.36  | VQ      |          |          |          |
 6+25       1.2744      4.41  | VQ      |          |          |          |
 6+30       1.3052      4.46  | VQ      |          |          |          |
 6+35       1.3380      4.76  | VQ      |          |          |          |
 6+40       1.3755      5.45  | V Q     |          |          |          |
 6+45       1.4147      5.69  | V Q     |          |          |          |
 6+50       1.4548      5.82  |  VQ     |          |          |          |
 6+55       1.4954      5.90  |  VQ     |          |          |          |
 7+ 0       1.5366      5.97  |  VQ     |          |          |          |
 7+ 5       1.5781      6.03  |  VQ     |          |          |          |
 7+10       1.6199      6.08  |  VQ     |          |          |          |
 7+15       1.6620      6.11  |  VQ     |          |          |          |
 7+20       1.7061      6.40  |  V Q    |          |          |          |
 7+25       1.7549      7.08  |  V Q    |          |          |          |
 7+30       1.8053      7.32  |  V Q    |          |          |          |
 7+35       1.8584      7.71  |  V  Q   |          |          |          |
 7+40       1.9165      8.44  |   V Q   |          |          |          |
 7+45       1.9765      8.71  |   V Q   |          |          |          |
 7+50       2.0393      9.12  |   V  Q  |          |          |          |
 7+55       2.1072      9.87  |   V  Q  |          |          |          |
 8+ 0       2.1771     10.14  |   V   Q |          |          |          |
 8+ 5       2.2515     10.80  |   V   Q |          |          |          |
 8+10       2.3355     12.20  |   V    Q|          |          |          |
 8+15       2.4228     12.68  |    V    Q          |          |          |
 8+20       2.5118     12.92  |    V    Q          |          |          |
 8+25       2.6019     13.08  |    V    Q          |          |          |
 8+30       2.6926     13.18  |    V    Q          |          |          |
 8+35       2.7857     13.51  |    V    Q          |          |          |
 8+40       2.8836     14.23  |     V   |Q          |          |          |
 8+45       2.9833     14.47  |     V   |Q          |          |          |
 8+50       3.0855     14.85  |     V   |Q          |          |          |
 8+55       3.1928     15.58  |     V   | Q         |          |          |
 9+ 0       3.3020     15.85  |      V  | Q         |          |          |
 9+ 5       3.4157     16.51  |      V  |  Q        |          |          |
 9+10       3.5390     17.91  |      V  |   Q       |          |          |
 9+15       3.6657     18.39  |      V  |   Q       |          |          |
 9+20       3.7957     18.88  |       V |    Q      |          |          |
 9+25       3.9313     19.69  |       V |    Q      |          |          |
 9+30       4.0690     19.99  |       V |    Q      |          |          |
 9+35       4.2096     20.42  |       V |     Q     |          |          |
 9+40       4.3556     21.19  |        V|     Q     |          |          |
 9+45       4.5033     21.46  |        V|      Q    |          |          |
 9+50       4.6539     21.86  |        V|      Q    |          |          |
 9+55       4.8096     22.61  |         V       Q   |          |          |
10+ 0       4.9672     22.88  |         V       Q   |          |          |
10+ 5       5.1134     21.23  |         V     Q     |          |          |
10+10       5.2292     16.81  |         |V Q       |          |          |
10+15       5.3354     15.42  |         |VQ        |          |          |
10+20       5.4374     14.81  |         |Q         |          |          |
10+25       5.5372     14.49  |         |Q         |          |          |
10+30       5.6356     14.28  |         |Q         |          |          |
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10+35       5.7420     15.45  |          | Q        |          |          |
10+40       5.8699     18.56  |          | V Q      |          |          |
10+45       6.0051     19.63  |          | V  Q     |          |          |
10+50       6.1437     20.13  |          |  V  Q    |          |          |
10+55       6.2844     20.42  |          |  V  Q    |          |          |
11+ 0       6.4264     20.62  |          |  V  Q    |          |          |
11+ 5       6.5676     20.50  |          |  V  Q    |          |          |
11+10       6.7052     19.99  |          |   VQ     |          |          |
11+15       6.8417     19.81  |          |   VQ     |          |          |
11+20       6.9776     19.74  |          |   VQ     |          |          |
11+25       7.1134     19.72  |          |    Q     |          |          |
11+30       7.2492     19.71  |          |    Q     |          |          |
11+35       7.3814     19.20  |          |    Q     |          |          |
11+40       7.5048     17.92  |          |   QV     |          |          |
11+45       7.6256     17.53  |          |   Q V    |          |          |
11+50       7.7470     17.63  |          |   Q V    |          |          |
11+55       7.8723     18.20  |          |   Q V    |          |          |
12+ 0       7.9988     18.36  |          |   Q V    |          |          |
12+ 5       8.1382     20.24  |          |     QV   |          |          |
12+10       8.3090     24.80  |          |      V Q |          |          |
12+15       8.4902     26.32  |          |       V  |Q         |          |
12+20       8.6781     27.28  |          |       V  |Q         |          |
12+25       8.8732     28.34  |          |       V  | Q       |          |
12+30       9.0717     28.82  |          |        V |  Q       |          |
12+35       9.2756     29.60  |          |        V |  Q       |          |
12+40       9.4898     31.11  |          |         V    Q     |          |
12+45       9.7074     31.59  |          |         V     Q    |          |
12+50       9.9283     32.08  |          |          |V    Q    |          |
12+55      10.1548     32.88  |          |          |V     Q   |          |
13+ 0      10.3833     33.18  |          |          | V    Q  |          |
13+ 5      10.6218     34.63  |          |          | V     Q |          |
13+10      10.8834     37.98  |          |          |  V       Q         |
13+15      11.1525     39.08  |          |          |  V       |Q        |
13+20      11.4252     39.59  |          |          |   V      |Q        |
13+25      11.7000     39.90  |          |          |   V      |Q        |
13+30      11.9762     40.10  |          |          |    V     | Q       |
13+35      12.2338     37.40  |          |          |    V   Q |         |
13+40      12.4434     30.43  |          |          |   Q V    |         |
13+45      12.6374     28.17  |          |          | Q   V    |         |
13+50      12.8244     27.16  |          |          |Q     V   |         |
13+55      13.0077     26.61  |          |          |Q     V   |         |
14+ 0      13.1885     26.25  |          |          |Q     V   |         |
14+ 5      13.3749     27.07  |          |          |Q      V  |         |
14+10      13.5778     29.46  |          |          |  Q    V  |         |
14+15      13.7866     30.31  |          |          |   Q    V|         |
14+20      13.9963     30.46  |          |          |   Q    V|         |
14+25      14.2032     30.05  |          |          |   Q     V         |
14+30      14.4098     30.00  |          |          |  Q      V         |
14+35      14.6165     30.01  |          |          |   Q     V         |
14+40      14.8236     30.07  |          |          |   Q     |V        |
14+45      15.0306     30.06  |          |          |   Q     |V        |
14+50      15.2359     29.80  |          |          |  Q      | V       |
14+55      15.4367     29.16  |          |          |  Q      | V       |
15+ 0      15.6362     28.98  |          |          |  Q      |  V      |
15+ 5      15.8335     28.65  |          |          | Q       |  V      |
15+10      16.0262     27.97  |          |          | Q       |  V      |
15+15      16.2173     27.75  |          |          | Q       |   V     |
15+20      16.4061     27.40  |          |          |Q        |   V     |
15+25      16.5900     26.71  |          |          |Q        |    V    |
15+30      16.7725     26.49  |          |          |Q        |    V    |
15+35      16.9472     25.37  |          |         Q        |    V    |
15+40      17.1038     22.74  |          |       Q  |       |     V   |
15+45      17.2545     21.89  |          |      Q   |       |     V   |
15+50      17.4027     21.52  |          |      Q   |       |     V   |
15+55      17.5495     21.31  |          |      Q   |       |      V  |
16+ 0      17.6955     21.19  |          |     Q    |       |      V  |
16+ 5      17.8155     17.43  |          |  Q       |       |      V  |
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16+10      17.8710      8.06  |      Q   |          |          |      V   |
16+15      17.9059      5.07  |    Q     |          |          |      V   |
16+20      17.9315      3.72  |  Q       |          |          |       V  |
16+25      17.9519      2.96  |  Q       |          |          |       V  |
16+30      17.9689      2.47  |Q         |          |          |       V  |
16+35      17.9832      2.07  |Q         |          |          |       V  |
16+40      17.9938      1.55  |Q         |          |          |       V  |
16+45      18.0040      1.48  |Q         |          |          |       V  |
16+50      18.0140      1.45  |Q         |          |          |       V  |
16+55      18.0238      1.43  |Q         |          |          |       V  |
17+ 0      18.0336      1.42  |Q         |          |          |       V  |
17+ 5      18.0450      1.65  |Q         |          |          |       V  |
17+10      18.0606      2.27  |Q         |          |          |       V  |
17+15      18.0776      2.48  |Q         |          |          |       V  |
17+20      18.0954      2.58  |  Q       |          |          |       V  |
17+25      18.1137      2.65  |  Q       |          |          |       V  |
17+30      18.1323      2.70  |  Q       |          |          |       V  |
17+35      18.1512      2.74  |  Q       |          |          |       V  |
17+40      18.1703      2.78  |  Q       |          |          |       V  |
17+45      18.1896      2.80  |  Q       |          |          |       V  |
17+50      18.2077      2.63  |  Q       |          |          |       V  |
17+55      18.2227      2.17  |Q         |          |          |       V  |
18+ 0      18.2366      2.02  |Q         |          |          |       V  |
18+ 5      18.2501      1.96  |Q         |          |          |       V  |
18+10      18.2634      1.92  |Q         |          |          |       V  |
18+15      18.2764      1.90  |Q         |          |          |       V  |
18+20      18.2894      1.88  |Q         |          |          |       V  |
18+25      18.3023      1.87  |Q         |          |          |       V  |
18+30      18.3151      1.87  |Q         |          |          |       V  |
18+35      18.3274      1.78  |Q         |          |          |       V  |
18+40      18.3381      1.55  |Q         |          |          |       V  |
18+45      18.3483      1.48  |Q         |          |          |       V  |
18+50      18.3576      1.36  |Q         |          |          |       V  |
18+55      18.3653      1.11  Q          |          |          |       V  |
19+ 0      18.3723      1.03  Q          |          |          |       V  |
19+ 5      18.3798      1.08  Q          |          |          |       V  |
19+10      18.3886      1.28  |Q         |          |          |       V  |
19+15      18.3978      1.34  |Q         |          |          |        V |
19+20      18.4078      1.45  |Q         |          |          |        V |
19+25      18.4194      1.69  |Q         |          |          |        V |
19+30      18.4316      1.78  |Q         |          |          |        V |
19+35      18.4435      1.73  |Q         |          |          |        V |
19+40      18.4540      1.53  |Q         |          |          |        V |
19+45      18.4641      1.46  |Q         |          |          |        V |
19+50      18.4734      1.35  |Q         |          |          |        V |
19+55      18.4811      1.11  Q          |          |          |        V |
20+ 0      18.4882      1.03  Q          |          |          |        V |
20+ 5      18.4956      1.08  Q          |          |          |        V |
20+10      18.5044      1.28  |Q         |          |          |        V |
20+15      18.5136      1.34  |Q         |          |          |        V |
20+20      18.5230      1.36  |Q         |          |          |        V |
20+25      18.5324      1.37  |Q         |          |          |        V |
20+30      18.5420      1.39  |Q         |          |          |        V |
20+35      18.5516      1.39  |Q         |          |          |        V |
20+40      18.5612      1.40  |Q         |          |          |        V |
20+45      18.5709      1.40  |Q         |          |          |        V |
20+50      18.5799      1.31  |Q         |          |          |        V |
20+55      18.5874      1.09  Q          |          |          |        V |
21+ 0      18.5944      1.01  Q          |          |          |        V |
21+ 5      18.6017      1.07  Q          |          |          |        V |
21+10      18.6105      1.28  |Q         |          |          |        V |
21+15      18.6197      1.34  |Q         |          |          |        V |
21+20      18.6285      1.27  |Q         |          |          |        V |
21+25      18.6358      1.06  Q          |          |          |        V |
21+30      18.6427      1.00  Q          |          |          |        V |
21+35      18.6500      1.06  Q          |          |          |        V |
21+40      18.6588      1.28  |Q         |          |          |        V |
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   21+45      18.6680      1.34  |Q        |         |         |        V|
   21+50      18.6768      1.27  |Q        |         |         |        V|
   21+55      18.6840      1.06  Q         |         |         |        V|
   22+ 0      18.6909      1.00  Q         |         |         |        V|
   22+ 5      18.6982      1.06  Q         |         |         |        V|
   22+10      18.7070      1.28  |Q        |         |         |        V|
   22+15      18.7162      1.34  |Q        |         |         |        V|
   22+20      18.7250      1.27  |Q        |         |         |        V|
   22+25      18.7323      1.06  Q         |         |         |        V|
   22+30      18.7392      1.00  Q         |         |         |        V|
   22+35      18.7459      0.97  Q         |         |         |        V|
   22+40      18.7525      0.96  Q         |         |         |        V|
   22+45      18.7590      0.95  Q         |         |         |        V|
   22+50      18.7655      0.94  Q         |         |         |        V|
   22+55      18.7719      0.93  Q         |         |         |        V|
   23+ 0      18.7784      0.93  Q         |         |         |        V|
   23+ 5      18.7848      0.93  Q         |         |         |        V|
   23+10      18.7912      0.93  Q         |         |         |        V|
   23+15      18.7977      0.93  Q         |         |         |        V|
   23+20      18.8041      0.93  Q         |         |         |        V|
   23+25      18.8105      0.93  Q         |         |         |        V|
   23+30      18.8170      0.93  Q         |         |         |        V|
   23+35      18.8234      0.93  Q         |         |         |        V|
   23+40      18.8298      0.93  Q         |         |         |        V|
   23+45      18.8363      0.93  Q         |         |         |        V|
   23+50      18.8427      0.93  Q         |         |         |        V|
   23+55      18.8491      0.93  Q         |         |         |        V|
   24+ 0      18.8556      0.93  Q         |         |         |        V|
   24+ 5      18.8608      0.75  Q         |         |         |        V|
   24+10      18.8628      0.30  Q         |         |         |        V|
   24+15      18.8639      0.16  Q         |         |         |        V|
   24+20      18.8645      0.09  Q         |         |         |        V|
   24+25      18.8649      0.05  Q         |         |         |        V|
   24+30      18.8651      0.03  Q         |         |         |        V|
   24+35      18.8652      0.01  Q         |         |         |         V
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ROUTING

DEPTH vs OUTFLOW CALCULATIONS

			HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	WEIR	
		No. of Holes →	**6**	**2**	0	0	0	0	0	**1**	← No. of Weir
			HOLE C	**HOLE C**	HOLE C	HOLE C	HOLE C	HOLE C	HOLE C	WEIR	
		Discharge Coefficient →	**0.6**	**0.6**	0.6	0.6	0.6	0.6	0.6	**3.33**	← Weir Coefficient
			HOLE FL	**HOLE FL**	HOLE FL	HOLE FL	HOLE FL	HOLE FL	HOLE FL	DIST TO WEIR	
		Distance of Holes from Basin Bottom (in) →	**2.5**	**52.5**	56.5	60.5	64.5	68.5	72.5	**72**	← Distance of Top of Weir from Basin Bottom (in)
			HOLE R	**HOLE R**	HOLE R	HOLE R	HOLE R	HOLE R	HOLE R	WEIR LENGTH FT	
		Rect. Height (in) →	**1**	**2**	2	2	2	2	2	**24.000**	← **Riser Pipe Perimeter (ft) =8'X4' Riser Pipe**
		Rect. Width (in) →	**4**	**18**	84	84	84	84	84		
			CEN EL	**CEN EL**	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	WEIR ELEV	
		Hole Centerline Elev (ft) →	1077.25	1081.45833	1081.792	1082.125	1082.458	1082.7917	1083.13	**1083.0**	← Top of Riser Elevation (ft)
ELEV	DEPTH	OUTFLOW									
1077.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1078.00	1	0.69	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1079.00	2	1.06	1.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1080.00	3	1.33	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1081.00	4	1.55	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1081.20	4.2	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1082.00	5	3.52	1.75	1.77	0.00	0.00	0.00	0.00	0.00	0.00	
1083.00	6	4.91	1.92	2.99	0.00	0.00	0.00	0.00	0.00	0.00	
1084.00	7	85.84	2.08	3.84	0.00	0.00	0.00	0.00	0.00	79.92	
1085.00	8	232.81	2.23	4.53	0.00	0.00	0.00	0.00	0.00	226.05	
			[Σ FLOWS (HOLES+RISER)]							(FLOW OVER TOP OF WEIR 1)	

Note:

Orifice outflow is based on:

1. $Q=CA(2gH)^{0.5}$
   where:
   C = Coefficient, 0.6 used here
   A = Orifice Area
   H = Headwater

Weir flow is based on:

2. $Q=CLH^{1.5}$
   where:
   C = Coefficient, 3.33 used here
   L = Weir Length, Grate Perimeter was used here
   H = Headwater

RIO-VISTA DEVELOPMENT, TR 37074
BASIN C
With 6@ 1"x4" Rectangular Orifices, 2@ 2"x18" Rectangular Orifice

STORAGE CAPACITY CALCULATION

Elevation (ft)	Contour Interval (ft)	Accumulate Depth (ft)	Area (sqft)	Area (acres)	Mean Area (acres)	Volume (ac-ft)	$Volume_{accumulat}$ (ac-ft)	$Volume_{accumulat}$ (cu-yd)	*Qout (cfs)
1077.00			12209	0.28			**0.0**	0.0	**0.00**
1078.00	1.00	**1.00**	14416	0.33	0.31	0.31	**0.31**	493.06	**0.69**
1079.00	1.00	**2.00**	16723	0.38	0.36	0.36	**0.66**	1069.70	**1.06**
1080.00	1.00	**3.00**	19132	0.44	0.41	0.41	**1.07**	1733.69	**1.33**
1081.00	2.00	**4.00**	21632	0.50	0.44	0.88	**1.54**	2490.26	**1.55**
1081.20	1.20	**4.20**	22146	0.51	0.47	0.57	**1.64**	2650.97	**1.59**
1082.00	0.80	**5.00**	24247	0.56	0.53	0.43	**2.07**	3338.28	**3.52**
1083.00	1.00 Riser rim	**6.00**	26963	0.62	0.59	0.59	**2.66**	4286.61	**4.91**
1084.00	1.00	**7.00**	30214	0.69	0.66	0.66	**3.31**	5345.44	**85.84**
1085.00	**1.00 SPILLWAY**	**8.00**	**33338**	**0.77**	**0.73**	**0.73**	**4.04**	**6522.33**	**232.81**

*** SEE RATING CURVE**

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRC242.rte

**********HYDROGRAPH DATA**********

Number of intervals = 295
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 6.098 (CFS)
Total volume = 3.722 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN C- ROUTING
2YR-24HR STORM

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Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 295
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.690	0.308	0.312
2.000	0.660	1.060	0.656	0.664
3.000	1.070	1.330	1.065	1.075
4.000	1.540	1.550	1.535	1.545
4.200	1.640	1.590	1.635	1.645
5.000	2.070	3.520	2.058	2.082
6.000	2.660	4.910	2.643	2.677
7.000	3.310	85.840	3.014	3.606

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 1.5 3.05 4.57 6.10	Depth (Ft.)
0.083	0.07	0.00	0.000	O | | | |	0.00
0.167	0.24	0.00	0.001	OI | | | |	0.00

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0.250    0.30    0.01      0.003  OI      |       |       |       |     0.01
0.333    0.36    0.01      0.005  OI      |       |       |       |     0.02
0.417    0.46    0.02      0.008  O I     |       |       |       |     0.03
0.500    0.50    0.03      0.011  O I     |       |       |       |     0.04
0.583    0.52    0.03      0.015  O I     |       |       |       |     0.05
0.667    0.53    0.04      0.018  O I     |       |       |       |     0.06
0.750    0.53    0.05      0.021  O I     |       |       |       |     0.07
0.833    0.57    0.06      0.025  O  I    |       |       |       |     0.08
0.917    0.66    0.06      0.029  O  I    |       |       |       |     0.09
1.000    0.69    0.07      0.033  O  I    |       |       |       |     0.11
1.083    0.67    0.08      0.037  O  I    |       |       |       |     0.12
1.167    0.59    0.09      0.041  O  I    |       |       |       |     0.13
1.250    0.56    0.10      0.044  O I     |       |       |       |     0.14
1.333    0.56    0.10      0.047  O I     |       |       |       |     0.15
1.417    0.55    0.11      0.050  O I     |       |       |       |     0.16
1.500    0.55    0.12      0.053  O I     |       |       |       |     0.17
1.583    0.54    0.12      0.056  O I     |       |       |       |     0.18
1.667    0.54    0.13      0.059  O I     |       |       |       |     0.19
1.750    0.54    0.14      0.062  O I     |       |       |       |     0.20
1.833    0.58    0.14      0.065  O  I    |       |       |       |     0.21
1.917    0.66    0.15      0.068  O  I    |       |       |       |     0.22
2.000    0.69    0.16      0.071  O  I    |       |       |       |     0.23
2.083    0.70    0.17      0.075  O  I    |       |       |       |     0.24
2.167    0.71    0.18      0.079  O  I    |       |       |       |     0.25
2.250    0.72    0.18      0.082  O  I    |       |       |       |     0.27
2.333    0.72    0.19      0.086  |O I    |       |       |       |     0.28
2.417    0.72    0.20      0.090  |O I    |       |       |       |     0.29
2.500    0.72    0.21      0.093  |O I    |       |       |       |     0.30
2.583    0.76    0.22      0.097  |O I    |       |       |       |     0.31
2.667    0.84    0.22      0.101  |O  I   |       |       |       |     0.33
2.750    0.87    0.23      0.105  |O  I   |       |       |       |     0.34
2.833    0.88    0.24      0.110  |O  I   |       |       |       |     0.35
2.917    0.89    0.25      0.114  |O  I   |       |       |       |     0.37
3.000    0.90    0.26      0.118  |O  I   |       |       |       |     0.38
3.083    0.90    0.27      0.123  |O  I   |       |       |       |     0.40
3.167    0.90    0.28      0.127  |O  I   |       |       |       |     0.41
3.250    0.90    0.29      0.131  |O  I   |       |       |       |     0.42
3.333    0.90    0.30      0.135  |O  I   |       |       |       |     0.44
3.417    0.90    0.31      0.139  |O  I   |       |       |       |     0.45
3.500    0.90    0.32      0.144  |O  I   |       |       |       |     0.46
3.583    0.90    0.33      0.147  |O  I   |       |       |       |     0.48
3.667    0.90    0.34      0.151  |O  I   |       |       |       |     0.49
3.750    0.90    0.35      0.155  |O  I   |       |       |       |     0.50
3.833    0.94    0.35      0.159  |O  I   |       |       |       |     0.51
3.917    1.02    0.36      0.163  |O   I  |       |       |       |     0.53
4.000    1.05    0.37      0.168  |O   I  |       |       |       |     0.54
4.083    1.06    0.38      0.173  | O  I  |       |       |       |     0.56
4.167    1.07    0.39      0.177  | O  I  |       |       |       |     0.57
4.250    1.08    0.41      0.182  | O  I  |       |       |       |     0.59
4.333    1.11    0.42      0.187  | O  I  |       |       |       |     0.60
4.417    1.20    0.43      0.192  | O   I |       |       |       |     0.62
4.500    1.23    0.44      0.197  | O   I |       |       |       |     0.64
4.583    1.24    0.45      0.203  | O   I |       |       |       |     0.65
4.667    1.25    0.46      0.208  | O   I |       |       |       |     0.67
4.750    1.26    0.48      0.213  | O   I |       |       |       |     0.69
4.833    1.29    0.49      0.219  | O   I |       |       |       |     0.71
4.917    1.38    0.50      0.225  | O    I|       |       |       |     0.73
5.000    1.41    0.51      0.231  | O    I|       |       |       |     0.74
5.083    1.35    0.53      0.237  | O    I|       |       |       |     0.76
5.167    1.19    0.54      0.242  | O   I |       |       |       |     0.78
5.250    1.14    0.55      0.246  | O  I  |       |       |       |     0.79
5.333    1.15    0.56      0.250  | O   I |       |       |       |     0.81
5.417    1.22    0.57      0.255  | O   I |       |       |       |     0.82
5.500    1.24    0.58      0.259  |  O  I |       |       |       |     0.84
5.583    1.28    0.59      0.264  |  O  I |       |       |       |     0.85
5.667    1.37    0.60      0.269  |  O   I|       |       |       |     0.87
5.750    1.41    0.61      0.274  |  O   I|       |       |       |     0.88
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 5.833    1.42    0.62      0.280  |  O   I|       |       |       |     0.90
 5.917    1.43    0.63      0.285  |  O   I|       |       |       |     0.92
 6.000    1.44    0.65      0.291  |  O   I|       |       |       |     0.94
 6.083    1.47    0.66      0.296  |  O   I|       |       |       |     0.96
 6.167    1.56    0.67      0.302  |  O    I       |       |       |     0.97
 6.250    1.59    0.69      0.308  |  O    I       |       |       |     0.99
 6.333    1.60    0.69      0.315  |  O    I       |       |       |     1.01
 6.417    1.61    0.70      0.321  |  O    I       |       |       |     1.03
 6.500    1.62    0.71      0.327  |  O    I       |       |       |     1.05
 6.583    1.65    0.71      0.333  |  O    I       |       |       |     1.07
 6.667    1.74    0.72      0.340  |  O    |I      |       |       |     1.09
 6.750    1.77    0.73      0.347  |  O    |I      |       |       |     1.11
 6.833    1.78    0.74      0.354  |  O    |I      |       |       |     1.13
 6.917    1.79    0.74      0.362  |  O    |I      |       |       |     1.15
 7.000    1.80    0.75      0.369  |  O    |I      |       |       |     1.17
 7.083    1.80    0.76      0.376  |  O    |I      |       |       |     1.19
 7.167    1.80    0.77      0.383  |   O   |I      |       |       |     1.21
 7.250    1.80    0.77      0.390  |   O   |I      |       |       |     1.23
 7.333    1.84    0.78      0.397  |   O   |I      |       |       |     1.25
 7.417    1.92    0.79      0.405  |   O   | I     |       |       |     1.27
 7.500    1.95    0.80      0.413  |   O   | I     |       |       |     1.29
 7.583    2.00    0.81      0.421  |   O   | I     |       |       |     1.32
 7.667    2.09    0.82      0.429  |   O   | I     |       |       |     1.34
 7.750    2.13    0.83      0.438  |   O   |  I    |       |       |     1.37
 7.833    2.18    0.84      0.447  |   O   |  I    |       |       |     1.39
 7.917    2.27    0.85      0.457  |   O   |  I    |       |       |     1.42
 8.000    2.31    0.86      0.467  |   O   |   I   |       |       |     1.45
 8.083    2.39    0.87      0.477  |   O   |   I   |       |       |     1.48
 8.167    2.58    0.88      0.488  |   O   |    I  |       |       |     1.51
 8.250    2.64    0.89      0.500  |   O   |    I  |       |       |     1.54
 8.333    2.66    0.90      0.512  |   O   |    I  |       |       |     1.58
 8.417    2.68    0.92      0.524  |   O   |     I |       |       |     1.61
 8.500    2.69    0.93      0.536  |   O   |     I |       |       |     1.65
 8.583    2.73    0.94      0.549  |   O   |     I |       |       |     1.68
 8.667    2.82    0.96      0.561  |    O  |     I |       |       |     1.72
 8.750    2.85    0.97      0.574  |    O  |     I |       |       |     1.75
 8.833    2.90    0.98      0.587  |    O  |      I|       |       |     1.79
 8.917    2.99    1.00      0.601  |    O  |      I|       |       |     1.83
 9.000    3.03    1.01      0.615  |    O  |      I|       |       |     1.87
 9.083    3.11    1.03      0.629  |    O  |       I       |       |     1.91
 9.167    3.30    1.04      0.644  |    O  |       |I      |       |     1.95
 9.250    3.36    1.06      0.659  |    O  |       |I      |       |     2.00
 9.333    3.42    1.07      0.675  |    O  |       |I      |       |     2.04
 9.417    3.52    1.08      0.692  |    O  |       | I     |       |     2.08
 9.500    3.56    1.09      0.709  |    O  |       | I     |       |     2.12
 9.583    3.62    1.10      0.726  |    O  |       | I     |       |     2.16
 9.667    3.72    1.11      0.743  |    O  |       |  I    |       |     2.20
 9.750    3.75    1.13      0.761  |    O  |       |  I    |       |     2.25
 9.833    3.80    1.14      0.780  |    O  |       |  I    |       |     2.29
 9.917    3.90    1.15      0.798  |     O |       |   I   |       |     2.34
10.000    3.93    1.16      0.817  |     O |       |   I   |       |     2.38
10.083    3.70    1.18      0.835  |     O |       |  I    |       |     2.43
10.167    3.10    1.19      0.851  |     O |       I       |       |     2.47
10.250    2.91    1.19      0.863  |     O |      I|       |       |     2.50
10.333    2.82    1.20      0.875  |     O |     I |       |       |     2.52
10.417    2.77    1.21      0.886  |     O |     I |       |       |     2.55
10.500    2.74    1.22      0.896  |     O |     I |       |       |     2.58
10.583    2.90    1.22      0.907  |     O |      I|       |       |     2.60
10.667    3.31    1.23      0.920  |     O |       |I      |       |     2.63
10.750    3.45    1.24      0.935  |     O |       | I     |       |     2.67
10.833    3.52    1.25      0.950  |     O |       | I     |       |     2.71
10.917    3.55    1.26      0.966  |     O |       | I     |       |     2.75
11.000    3.58    1.27      0.982  |     O |       | I     |       |     2.79
11.083    3.55    1.28      0.998  |     O |       | I     |       |     2.82
11.167    3.48    1.29      1.013  |     O |       | I     |       |     2.86
11.250    3.45    1.30      1.028  |     O |       | I     |       |     2.90
11.333    3.44    1.31      1.043  |     O |       | I     |       |     2.93
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11.417	3.43	1.32	1.057	| O |	| I |	|	|	|	2.97
11.500	3.43	1.33	1.072	| O |	|I |	|	|	|	3.00
11.583	3.36	1.34	1.086	| O|	|I |	|	|	|	3.03
11.667	3.18	1.34	1.099	| O|	| I |	|	|	|	3.06
11.750	3.12	1.35	1.112	| O|	| I |	|	|	|	3.09
11.833	3.13	1.36	1.124	| O|	| I |	|	|	|	3.11
11.917	3.21	1.36	1.136	| O|	| I |	|	|	|	3.14
12.000	3.22	1.37	1.149	| O|	| I |	|	|	|	3.17
12.083	3.47	1.37	1.163	| O|	| | I |	|	|	|	3.20
12.167	4.09	1.38	1.179	| O|	| | I |	|	|	|	3.23
12.250	4.29	1.39	1.199	| O|	| | I |	|	|	|	3.27
12.333	4.41	1.40	1.219	| O|	| | I|	|	|	|	3.32
12.417	4.55	1.41	1.240	| O|	| | I|	|	|	|	3.36
12.500	4.61	1.42	1.262	| O|	| | I |	|	|	|	3.41
12.583	4.72	1.43	1.284	| O|	| | I |	|	|	|	3.46
12.667	4.92	1.44	1.308	| O|	| | |I |	|	|	|	3.51
12.750	4.98	1.45	1.332	| O|	| | | I |	|	|	|	3.56
12.833	5.04	1.46	1.356	| O|	| | | I |	|	|	|	3.61
12.917	5.15	1.48	1.381	| O|	| | | | I |	|	|	|	3.66
13.000	5.18	1.49	1.407	| O|	| | | | I |	|	|	|	3.72
13.083	5.38	1.50	1.433	| O|	| | | | | I |	|	|	|	3.77
13.167	5.82	1.51	1.461	| O|	| | | | | | I |	|	|	|	3.83
13.250	5.97	1.53	1.491	| O |	| | | | | | | I|	|	|	|	3.90
13.333	6.04	1.54	1.522	| O |	| | | | | | | I|	|	|	|	3.96
13.417	6.07	1.56	1.553	| O |	| | | | | | | I|	|	|	|	4.03
13.500	6.10	1.57	1.584	| O |	| | | | | | | | I |	|	|	|	4.09
13.583	5.73	1.58	1.614	| O |	| | | | | | | I |	|	|	|	4.15
13.667	4.78	1.59	1.639	| O |	| | | | | |I |	|	|	|	4.20
13.750	4.47	1.68	1.660	| O |	| | | | I|	|	|	|	4.24
13.833	4.34	1.76	1.678	| |O |	| | | I |	|	|	|	4.27
13.917	4.26	1.84	1.695	| |O |	| | | I |	|	|	|	4.30
14.000	4.21	1.91	1.712	| | O |	| | | I |	|	|	|	4.33
14.083	4.31	1.98	1.728	| | O |	| | | I |	|	|	|	4.36
14.167	4.63	2.06	1.744	| | O |	| | | | I |	|	|	|	4.39
14.250	4.74	2.14	1.762	| | | O |	| | | | I |	|	|	|	4.43
14.333	4.76	2.22	1.780	| | | O |	| | | | I |	|	|	|	4.46
14.417	4.70	2.29	1.797	| | | | O |	| | | | I |	|	|	|	4.49
14.500	4.69	2.37	1.813	| | | | O |	| | | | I |	|	|	|	4.52
14.583	4.69	2.44	1.829	| | | | O |	| | | | I |	|	|	|	4.55
14.667	4.69	2.51	1.844	| | | | | O |	| | | | I |	|	|	|	4.58
14.750	4.69	2.57	1.859	| | | | | O |	| | | | I |	|	|	|	4.61
14.833	4.65	2.64	1.873	| | | | | O |	| | | | I |	|	|	|	4.63
14.917	4.56	2.70	1.887	| | | | | | O |	| | | | I|	|	|	|	4.66
15.000	4.53	2.75	1.899	| | | | | | O |	| | | | I|	|	|	|	4.68
15.083	4.49	2.81	1.911	| | | | | | O |	| | | | I|	|	|	|	4.70
15.167	4.39	2.86	1.922	| | | | | | O |	| | | | I|	|	|	|	4.73
15.250	4.36	2.90	1.933	| | | | | | | O|	| | | I |	|	|	|	4.74
15.333	4.31	2.95	1.942	| | | | | | | O|	| | | I |	|	|	|	4.76
15.417	4.21	2.99	1.951	| | | | | | | O|	| | | I |	|	|	|	4.78
15.500	4.18	3.02	1.959	| | | | | | | O|	| | I |	|	|	|	4.79
15.583	4.03	3.06	1.967	| | | | | | | | O |	| I |	|	|	|	4.81
15.667	3.67	3.08	1.972	| | | | | | | | O | I |	|	|	|	4.82
15.750	3.55	3.10	1.976	| | | | | | | | O | I |	|	|	|	4.82
15.833	3.50	3.11	1.979	| | | | | | | | O | I |	|	|	|	4.83
15.917	3.46	3.12	1.981	| | | | | | | | O | I |	|	|	|	4.83
16.000	**3.45**	**3.13**	**1.983**	**| | | | | | | | O I | | | | 4.84**					
16.083	2.91	3.13	1.984	| | | | | | | IO |	|	|	|	4.84
16.167	1.59	3.11	1.978	| | | | | I | | O |	|	|	|	4.83
16.250	1.17	3.05	1.966	| | | | I | | | O |	|	|	|	4.81
16.333	0.98	2.99	1.953	| | | I | | | | O|	|	|	|	4.78
16.417	0.87	2.93	1.939	| | I | | | | | O|	|	|	|	4.76
16.500	0.81	2.87	1.924	| | I | | | | | O|	|	|	|	4.73
16.583	0.73	2.80	1.910	| | I | | | | O |	|	|	|	4.70
16.667	0.60	2.74	1.896	| | I | | | | O |	|	|	|	4.68
16.750	0.57	2.67	1.881	| I | | | | O |	|	|	|	4.65
16.833	0.56	2.61	1.867	| I | | | O |	|	|	|	4.62
16.917	0.55	2.55	1.853	| I | | | O |	|	|	|	4.60

17.000	0.55	2.48	1.839	I	O			4.57
17.083	0.61	2.43	1.826	I	O			4.55
17.167	0.78	2.37	1.815	I	O			4.52
17.250	0.84	2.33	1.804	I	O			4.51
17.333	0.87	2.28	1.794	I	O			4.49
17.417	0.88	2.24	1.785	I	O			4.47
17.500	0.89	2.20	1.775	I	O			4.45
17.583	0.90	2.16	1.767	I	O			4.44
17.667	0.90	2.12	1.758	I	O			4.42
17.750	0.90	2.08	1.750	I	O			4.40
17.833	0.87	2.05	1.742	I	O			4.39
17.917	0.78	2.01	1.733	I	O			4.37
18.000	0.75	1.97	1.725	I	O			4.36
18.083	0.74	1.93	1.717	I	O			4.34
18.167	0.73	1.90	1.708	I	O			4.33
18.250	0.73	1.86	1.700	I	O			4.31
18.333	0.72	1.83	1.693	I	O			4.30
18.417	0.72	1.79	1.685	I	O			4.28
18.500	0.72	1.76	1.678	I	O			4.27
18.583	0.69	1.73	1.671	I	O			4.26
18.667	0.60	1.70	1.663	I	O			4.24
18.750	0.57	1.66	1.656	I	O			4.23
18.833	0.52	1.63	1.648	I	O			4.22
18.917	0.43	1.59	1.641	I	O			4.20
19.000	0.40	1.59	1.632	I	O			4.18
19.083	0.42	1.58	1.624	I	O			4.17
19.167	0.49	1.58	1.617	I	O			4.15
19.250	0.52	1.58	1.609	I	O			4.14
19.333	0.56	1.57	1.602	I	O			4.12
19.417	0.65	1.57	1.595	I	O			4.11
19.500	0.68	1.57	1.589	I	O			4.10
19.583	0.67	1.57	1.583	I	O			4.09
19.667	0.59	1.56	1.577	I	O			4.07
19.750	0.56	1.56	1.570	I	O			4.06
19.833	0.52	1.56	1.563	I	O			4.05
19.917	0.43	1.56	1.555	I	O			4.03
20.000	0.40	1.55	1.547	I	O			4.01
20.083	0.42	1.55	1.539	I	O			4.00
20.167	0.49	1.55	1.532	I	O			3.98
20.250	0.52	1.54	1.525	I	O			3.97
20.333	0.53	1.54	1.518	I	O			3.95
20.417	0.53	1.54	1.511	I	O			3.94
20.500	0.53	1.53	1.504	I	O			3.92
20.583	0.54	1.53	1.497	I	O			3.91
20.667	0.54	1.53	1.490	I	O			3.89
20.750	0.54	1.52	1.483	I	O			3.88
20.833	0.51	1.52	1.477	I	O			3.87
20.917	0.42	1.52	1.469	I	O			3.85
21.000	0.39	1.51	1.462	I	O			3.83
21.083	0.41	1.51	1.454	I	O			3.82
21.167	0.49	1.51	1.447	I	O			3.80
21.250	0.52	1.50	1.440	I	O			3.79
21.333	0.49	1.50	1.433	I	O			3.77
21.417	0.41	1.50	1.426	I	O			3.76
21.500	0.38	1.49	1.418	I	O			3.74
21.583	0.41	1.49	1.411	I	O			3.72
21.667	0.49	1.49	1.404	I	O			3.71
21.750	0.52	1.48	1.397	I	O			3.70
21.833	0.49	1.48	1.390	I	O			3.68
21.917	0.41	1.48	1.383	I	O			3.67
22.000	0.38	1.47	1.376	I	O			3.65
22.083	0.41	1.47	1.368	I	O			3.63
22.167	0.49	1.47	1.361	I	O			3.62
22.250	0.52	1.46	1.355	I	O			3.61
22.333	0.49	1.46	1.348	I	O			3.59
22.417	0.41	1.46	1.341	I	O			3.58
22.500	0.38	1.45	1.334	I	O			3.56

22.583	0.37	1.45	1.326	|I	O|	|	|	3.55
22.667	0.37	1.45	1.319	|I	O|	|	|	3.53
22.750	0.37	1.44	1.311	|I	O|	|	|	3.51
22.833	0.36	1.44	1.304	|I	O|	|	|	3.50
22.917	0.36	1.44	1.297	|I	O|	|	|	3.48
23.000	0.36	1.43	1.289	|I	O|	|	|	3.47
23.083	0.36	1.43	1.282	|I	O|	|	|	3.45
23.167	0.36	1.43	1.275	|I	O|	|	|	3.44
23.250	0.36	1.42	1.267	|I	O|	|	|	3.42
23.333	0.36	1.42	1.260	|I	O|	|	|	3.40
23.417	0.36	1.42	1.253	|I	O|	|	|	3.39
23.500	0.36	1.41	1.245	|I	O|	|	|	3.37
23.583	0.36	1.41	1.238	|I	O|	|	|	3.36
23.667	0.36	1.41	1.231	|I	O|	|	|	3.34
23.750	0.36	1.40	1.224	|I	O|	|	|	3.33
23.833	0.36	1.40	1.217	|I	O|	|	|	3.31
23.917	0.36	1.40	1.209	|I	O|	|	|	3.30
24.000	0.36	1.39	1.202	|I	O|	|	|	3.28
24.083	0.29	1.39	1.195	|I	O|	|	|	3.27
24.167	0.12	1.38	1.187	I	O|	|	|	3.25
24.250	0.06	1.38	1.178	I	O|	|	|	3.23
24.333	0.03	1.38	1.169	I	O|	|	|	3.21
24.417	0.02	1.37	1.159	I	O|	|	|	3.19
24.500	0.01	1.37	1.150	I	O|	|	|	3.17
24.583	0.01	1.36	1.141	I	O|	|	|	3.15
24.667	0.00	1.36	1.131	I	O|	|	|	3.13
24.750	0.00	1.35	1.122	I	O|	|	|	3.11
24.833	0.00	1.35	1.113	I	O|	|	|	3.09
24.917	0.00	1.35	1.104	I	O|	|	|	3.07
25.000	0.00	1.34	1.094	I	O|	|	|	3.05
25.083	0.00	1.34	1.085	I	O|	|	|	3.03
25.167	0.00	1.33	1.076	I	O |	|	|	3.01
25.250	0.00	1.33	1.067	I	O |	|	|	2.99
25.333	0.00	1.32	1.058	I	O |	|	|	2.97
25.417	0.00	1.32	1.048	I	O |	|	|	2.95
25.500	0.00	1.31	1.039	I	O |	|	|	2.93
25.583	0.00	1.30	1.030	I	O |	|	|	2.90
25.667	0.00	1.30	1.021	I	O |	|	|	2.88
25.750	0.00	1.29	1.013	I	O |	|	|	2.86
25.833	0.00	1.29	1.004	I	O |	|	|	2.84
25.917	0.00	1.28	0.995	I	O |	|	|	2.82
26.000	0.00	1.27	0.986	I	O |	|	|	2.80
26.083	0.00	1.27	0.977	I	O |	|	|	2.77
26.167	0.00	1.26	0.969	I	O |	|	|	2.75
26.250	0.00	1.26	0.960	I	O |	|	|	2.73
26.333	0.00	1.25	0.951	I	O |	|	|	2.71
26.417	0.00	1.25	0.943	I	O |	|	|	2.69
26.500	0.00	1.24	0.934	I	O |	|	|	2.67
26.583	0.00	1.23	0.926	I	O |	|	|	2.65
26.667	0.00	1.23	0.917	I	O |	|	|	2.63
26.750	0.00	1.22	0.909	I	O |	|	|	2.61
26.833	0.00	1.22	0.900	I	O |	|	|	2.59
26.917	0.00	1.21	0.892	I	O |	|	|	2.57
27.000	0.00	1.21	0.884	I	O |	|	|	2.55
27.083	0.00	1.20	0.875	I	O |	|	|	2.52
27.167	0.00	1.20	0.867	I	O |	|	|	2.50
27.250	0.00	1.19	0.859	I	O |	|	|	2.48
27.333	0.00	1.19	0.851	I	O |	|	|	2.46
27.417	0.00	1.18	0.842	I	O |	|	|	2.44
27.500	0.00	1.17	0.834	I	O |	|	|	2.43
27.583	0.00	1.17	0.826	I	O |	|	|	2.41
27.667	0.00	1.16	0.818	I	O |	|	|	2.39
27.750	0.00	1.16	0.810	I	O |	|	|	2.37
27.833	0.00	1.15	0.802	I	O |	|	|	2.35
27.917	0.00	1.15	0.794	I	O |	|	|	2.33
28.000	0.00	1.14	0.786	I	O |	|	|	2.31
28.083	0.00	1.14	0.779	I	O |	|	|	2.29

28.167	0.00	1.13	0.771	I	O	|	|	|	|	2.27
28.250	0.00	1.13	0.763	I	O	|	|	|	|	2.25
28.333	0.00	1.12	0.755	I	O	|	|	|	|	2.23
28.417	0.00	1.12	0.747	I	O	|	|	|	|	2.21
28.500	0.00	1.11	0.740	I	O	|	|	|	|	2.19
28.583	0.00	1.11	0.732	I	O	|	|	|	|	2.18
28.667	0.00	1.10	0.725	I	O	|	|	|	|	2.16
28.750	0.00	1.10	0.717	I	O	|	|	|	|	2.14
28.833	0.00	1.09	0.709	I	O	|	|	|	|	2.12
28.917	0.00	1.09	0.702	I	O	|	|	|	|	2.10
29.000	0.00	1.08	0.694	I	O	|	|	|	|	2.08
29.083	0.00	1.08	0.687	I	O	|	|	|	|	2.07
29.167	0.00	1.07	0.680	I	O	|	|	|	|	2.05
29.250	0.00	1.07	0.672	I	O	|	|	|	|	2.03
29.333	0.00	1.06	0.665	I	O	|	|	|	|	2.01
29.417	0.00	1.06	0.658	I	O	|	|	|	|	1.99
29.500	0.00	1.05	0.650	I	O	|	|	|	|	1.97
29.583	0.00	1.04	0.643	I	O	|	|	|	|	1.95
29.667	0.00	1.03	0.636	I	O	|	|	|	|	1.93
29.750	0.00	1.03	0.629	I	O	|	|	|	|	1.91
29.833	0.00	1.02	0.622	I	O	|	|	|	|	1.89
29.917	0.00	1.01	0.615	I	O	|	|	|	|	1.87
30.000	0.00	1.00	0.608	I	O	|	|	|	|	1.85
30.083	0.00	1.00	0.601	I	O	|	|	|	|	1.83
30.167	0.00	0.99	0.594	I	O	|	|	|	|	1.81
30.250	0.00	0.98	0.587	I	O	|	|	|	|	1.79
30.333	0.00	0.98	0.581	I	O	|	|	|	|	1.77
30.417	0.00	0.97	0.574	I	O	|	|	|	|	1.75
30.500	0.00	0.96	0.567	I	O	|	|	|	|	1.74
30.583	0.00	0.95	0.561	I	O	|	|	|	|	1.72
30.667	0.00	0.95	0.554	I	O	|	|	|	|	1.70
30.750	0.00	0.94	0.548	I	O	|	|	|	|	1.68
30.833	0.00	0.93	0.541	I	O	|	|	|	|	1.66
30.917	0.00	0.93	0.535	I	O	|	|	|	|	1.64
31.000	0.00	0.92	0.528	I	O	|	|	|	|	1.62
31.083	0.00	0.91	0.522	I	O	|	|	|	|	1.61
31.167	0.00	0.91	0.516	I	O	|	|	|	|	1.59
31.250	0.00	0.90	0.510	I	O	|	|	|	|	1.57
31.333	0.00	0.89	0.503	I	O	|	|	|	|	1.55
31.417	0.00	0.89	0.497	I	O	|	|	|	|	1.53
31.500	0.00	0.88	0.491	I	O	|	|	|	|	1.52
31.583	0.00	0.88	0.485	I	O	|	|	|	|	1.50
31.667	0.00	0.87	0.479	I	O	|	|	|	|	1.48
31.750	0.00	0.86	0.473	I	O	|	|	|	|	1.47
31.833	0.00	0.86	0.467	I	O	|	|	|	|	1.45
31.917	0.00	0.85	0.461	I	O	|	|	|	|	1.43
32.000	0.00	0.84	0.455	I	O	|	|	|	|	1.42
32.083	0.00	0.84	0.450	I	O	|	|	|	|	1.40
32.167	0.00	0.83	0.444	I	O	|	|	|	|	1.38
32.250	0.00	0.83	0.438	I	O	|	|	|	|	1.37
32.333	0.00	0.82	0.433	I	O	|	|	|	|	1.35
32.417	0.00	0.81	0.427	I	O	|	|	|	|	1.33
32.500	0.00	0.81	0.421	I	O	|	|	|	|	1.32
32.583	0.00	0.80	0.416	I	O	|	|	|	|	1.30
32.667	0.00	0.80	0.410	I	O	|	|	|	|	1.29
32.750	0.00	0.79	0.405	I	O	|	|	|	|	1.27
32.833	0.00	0.78	0.399	I	O	|	|	|	|	1.26
32.917	0.00	0.78	0.394	I	O	|	|	|	|	1.24
33.000	0.00	0.77	0.389	I	O	|	|	|	|	1.22
33.083	0.00	0.77	0.383	I	O	|	|	|	|	1.21
33.167	0.00	0.76	0.378	I	O	|	|	|	|	1.19
33.250	0.00	0.76	0.373	I	O	|	|	|	|	1.18
33.333	0.00	0.75	0.368	I	O	|	|	|	|	1.16
33.417	0.00	0.75	0.363	I	O	|	|	|	|	1.15
33.500	0.00	0.74	0.357	I	O	|	|	|	|	1.14
33.583	0.00	0.73	0.352	I	O	|	|	|	|	1.12
33.667	0.00	0.73	0.347	I	O	|	|	|	|	1.11

33.750	0.00	0.72	0.342	I O	|	|	|	1.09
33.833	0.00	0.72	0.337	I O	|	|	|	1.08
33.917	0.00	0.71	0.332	I O	|	|	|	1.06
34.000	0.00	0.71	0.328	I O	|	|	|	1.05
34.083	0.00	0.70	0.323	I O	|	|	|	1.04
34.167	0.00	0.70	0.318	I O	|	|	|	1.02
34.250	0.00	0.69	0.313	I O	|	|	|	1.01
34.333	0.00	0.69	0.308	I O	|	|	|	0.99
34.417	0.00	0.68	0.304	I O	|	|	|	0.98
34.500	0.00	0.67	0.299	I O	|	|	|	0.96
34.583	0.00	0.66	0.294	I O	|	|	|	0.95
34.667	0.00	0.65	0.290	I O	|	|	|	0.94
34.750	0.00	0.64	0.286	I O	|	|	|	0.92
34.833	0.00	0.63	0.281	I O	|	|	|	0.91
34.917	0.00	0.62	0.277	I O	|	|	|	0.89
35.000	0.00	0.61	0.273	I O	|	|	|	0.88
35.083	0.00	0.60	0.269	I O	|	|	|	0.87
35.167	0.00	0.59	0.264	I O	|	|	|	0.85
35.250	0.00	0.58	0.260	I O	|	|	|	0.84
35.333	0.00	0.57	0.256	I O	|	|	|	0.83
35.417	0.00	0.56	0.253	I O	|	|	|	0.81
35.500	0.00	0.55	0.249	I O	|	|	|	0.80
35.583	0.00	0.55	0.245	I O	|	|	|	0.79
35.667	0.00	0.54	0.241	I O	|	|	|	0.78
35.750	0.00	0.53	0.238	I O	|	|	|	0.77
35.833	0.00	0.52	0.234	I O	|	|	|	0.75
35.917	0.00	0.51	0.230	I O	|	|	|	0.74
36.000	0.00	0.51	0.227	I O	|	|	|	0.73
36.083	0.00	0.50	0.223	I O	|	|	|	0.72
36.167	0.00	0.49	0.220	I O	|	|	|	0.71
36.250	0.00	0.48	0.217	I O	|	|	|	0.70
36.333	0.00	0.47	0.213	I O	|	|	|	0.69
36.417	0.00	0.47	0.210	I O	|	|	|	0.68
36.500	0.00	0.46	0.207	I O	|	|	|	0.67
36.583	0.00	0.45	0.204	I O	|	|	|	0.66
36.667	0.00	0.45	0.201	I O	|	|	|	0.65
36.750	0.00	0.44	0.198	I O	|	|	|	0.64
36.833	0.00	0.43	0.195	I O	|	|	|	0.63
36.917	0.00	0.43	0.192	I O	|	|	|	0.62
37.000	0.00	0.42	0.189	I O	|	|	|	0.61
37.083	0.00	0.41	0.186	I O	|	|	|	0.60
37.167	0.00	0.41	0.183	I O	|	|	|	0.59
37.250	0.00	0.40	0.180	I O	|	|	|	0.58
37.333	0.00	0.40	0.178	I O	|	|	|	0.57
37.417	0.00	0.39	0.175	I O	|	|	|	0.56
37.500	0.00	0.38	0.172	I O	|	|	|	0.56
37.583	0.00	0.38	0.170	IO	|	|	|	0.55
37.667	0.00	0.37	0.167	IO	|	|	|	0.54
37.750	0.00	0.37	0.164	IO	|	|	|	0.53
37.833	0.00	0.36	0.162	IO	|	|	|	0.52
37.917	0.00	0.35	0.159	IO	|	|	|	0.51
38.000	0.00	0.35	0.157	IO	|	|	|	0.51
38.083	0.00	0.34	0.155	IO	|	|	|	0.50
38.167	0.00	0.34	0.152	IO	|	|	|	0.49
38.250	0.00	0.33	0.150	IO	|	|	|	0.48
38.333	0.00	0.33	0.148	IO	|	|	|	0.48
38.417	0.00	0.32	0.145	IO	|	|	|	0.47
38.500	0.00	0.32	0.143	IO	|	|	|	0.46
38.583	0.00	0.31	0.141	IO	|	|	|	0.46
38.667	0.00	0.31	0.139	IO	|	|	|	0.45
38.750	0.00	0.30	0.137	IO	|	|	|	0.44
38.833	0.00	0.30	0.135	IO	|	|	|	0.43
38.917	0.00	0.30	0.133	IO	|	|	|	0.43
39.000	0.00	0.29	0.131	IO	|	|	|	0.42
39.083	0.00	0.29	0.129	IO	|	|	|	0.42
39.167	0.00	0.28	0.127	IO	|	|	|	0.41
39.250	0.00	0.28	0.125	IO	|	|	|	0.40

39.333	0.00	0.27	0.123	IO					0.40
39.417	0.00	0.27	0.121	IO					0.39
39.500	0.00	0.27	0.119	IO					0.38
39.583	0.00	0.26	0.117	IO					0.38
39.667	0.00	0.26	0.116	IO					0.37
39.750	0.00	0.25	0.114	IO					0.37
39.833	0.00	0.25	0.112	IO					0.36
39.917	0.00	0.25	0.110	IO					0.36
40.000	0.00	0.24	0.109	IO					0.35
40.083	0.00	0.24	0.107	IO					0.35
40.167	0.00	0.23	0.105	IO					0.34
40.250	0.00	0.23	0.104	IO					0.33
40.333	0.00	0.23	0.102	IO					0.33
40.417	0.00	0.22	0.101	IO					0.32
40.500	0.00	0.22	0.099	IO					0.32
40.583	0.00	0.22	0.098	IO					0.31
40.667	0.00	0.21	0.096	IO					0.31
40.750	0.00	0.21	0.095	IO					0.31
40.833	0.00	0.21	0.093	IO					0.30
40.917	0.00	0.20	0.092	IO					0.30
41.000	0.00	0.20	0.090	IO					0.29
41.083	0.00	0.20	0.089	IO					0.29
41.167	0.00	0.20	0.088	IO					0.28
41.250	0.00	0.19	0.086	IO					0.28
41.333	0.00	0.19	0.085	O					0.27
41.417	0.00	0.19	0.084	O					0.27
41.500	0.00	0.18	0.082	O					0.27
41.583	0.00	0.18	0.081	O					0.26
41.667	0.00	0.18	0.080	O					0.26
41.750	0.00	0.18	0.079	O					0.25
41.833	0.00	0.17	0.078	O					0.25
41.917	0.00	0.17	0.076	O					0.25
42.000	0.00	0.17	0.075	O					0.24
42.083	0.00	0.16	0.074	O					0.24
42.167	0.00	0.16	0.073	O					0.24
42.250	0.00	0.16	0.072	O					0.23
42.333	0.00	0.16	0.071	O					0.23
42.417	0.00	0.16	0.070	O					0.22
42.500	0.00	0.15	0.069	O					0.22
42.583	0.00	0.15	0.068	O					0.22
42.667	0.00	0.15	0.067	O					0.21
42.750	0.00	0.15	0.066	O					0.21
42.833	0.00	0.14	0.065	O					0.21
42.917	0.00	0.14	0.064	O					0.21
43.000	0.00	0.14	0.063	O					0.20
43.083	0.00	0.14	0.062	O					0.20
43.167	0.00	0.14	0.061	O					0.20
43.250	0.00	0.13	0.060	O					0.19
43.333	0.00	0.13	0.059	O					0.19
43.417	0.00	0.13	0.058	O					0.19
43.500	0.00	0.13	0.057	O					0.18
43.583	0.00	0.13	0.056	O					0.18
43.667	0.00	0.12	0.055	O					0.18
43.750	0.00	0.12	0.055	O					0.18
43.833	0.00	0.12	0.054	O					0.17
43.917	0.00	0.12	0.053	O					0.17
44.000	0.00	0.12	0.052	O					0.17
44.083	0.00	0.11	0.051	O					0.17
44.167	0.00	0.11	0.051	O					0.16
44.250	0.00	0.11	0.050	O					0.16
44.333	0.00	0.11	0.049	O					0.16
44.417	0.00	0.11	0.048	O					0.16
44.500	0.00	0.11	0.048	O					0.15
44.583	0.00	0.10	0.047	O					0.15
44.667	0.00	0.10	0.046	O					0.15
44.750	0.00	0.10	0.045	O					0.15
44.833	0.00	0.10	0.045	O					0.14

44.917	0.00	0.10	0.044	O	|	|	|	|	0.14
45.000	0.00	0.10	0.043	O	|	|	|	|	0.14
45.083	0.00	0.09	0.043	O	|	|	|	|	0.14
45.167	0.00	0.09	0.042	O	|	|	|	|	0.14
45.250	0.00	0.09	0.041	O	|	|	|	|	0.13
45.333	0.00	0.09	0.041	O	|	|	|	|	0.13
45.417	0.00	0.09	0.040	O	|	|	|	|	0.13
45.500	0.00	0.09	0.040	O	|	|	|	|	0.13
45.583	0.00	0.09	0.039	O	|	|	|	|	0.13
45.667	0.00	0.09	0.038	O	|	|	|	|	0.12
45.750	0.00	0.08	0.038	O	|	|	|	|	0.12
45.833	0.00	0.08	0.037	O	|	|	|	|	0.12
45.917	0.00	0.08	0.037	O	|	|	|	|	0.12
46.000	0.00	0.08	0.036	O	|	|	|	|	0.12
46.083	0.00	0.08	0.036	O	|	|	|	|	0.11
46.167	0.00	0.08	0.035	O	|	|	|	|	0.11
46.250	0.00	0.08	0.034	O	|	|	|	|	0.11
46.333	0.00	0.08	0.034	O	|	|	|	|	0.11
46.417	0.00	0.07	0.033	O	|	|	|	|	0.11
46.500	0.00	0.07	0.033	O	|	|	|	|	0.11
46.583	0.00	0.07	0.032	O	|	|	|	|	0.10
46.667	0.00	0.07	0.032	O	|	|	|	|	0.10
46.750	0.00	0.07	0.031	O	|	|	|	|	0.10
46.833	0.00	0.07	0.031	O	|	|	|	|	0.10
46.917	0.00	0.07	0.030	O	|	|	|	|	0.10
47.000	0.00	0.07	0.030	O	|	|	|	|	0.10
47.083	0.00	0.07	0.030	O	|	|	|	|	0.10
47.167	0.00	0.06	0.029	O	|	|	|	|	0.09
47.250	0.00	0.06	0.029	O	|	|	|	|	0.09
47.333	0.00	0.06	0.028	O	|	|	|	|	0.09
47.417	0.00	0.06	0.028	O	|	|	|	|	0.09
47.500	0.00	0.06	0.027	O	|	|	|	|	0.09
47.583	0.00	0.06	0.027	O	|	|	|	|	0.09
47.667	0.00	0.06	0.027	O	|	|	|	|	0.09
47.750	0.00	0.06	0.026	O	|	|	|	|	0.08
47.833	0.00	0.06	0.026	O	|	|	|	|	0.08
47.917	0.00	0.06	0.025	O	|	|	|	|	0.08
48.000	0.00	0.06	0.025	O	|	|	|	|	0.08
48.083	0.00	0.05	0.025	O	|	|	|	|	0.08
48.167	0.00	0.05	0.024	O	|	|	|	|	0.08
48.250	0.00	0.05	0.024	O	|	|	|	|	0.08
48.333	0.00	0.05	0.023	O	|	|	|	|	0.08
48.417	0.00	0.05	0.023	O	|	|	|	|	0.07
48.500	0.00	0.05	0.023	O	|	|	|	|	0.07
48.583	0.00	0.05	0.022	O	|	|	|	|	0.07
48.667	0.00	0.05	0.022	O	|	|	|	|	0.07
48.750	0.00	0.05	0.022	O	|	|	|	|	0.07
48.833	0.00	0.05	0.021	O	|	|	|	|	0.07
48.917	0.00	0.05	0.021	O	|	|	|	|	0.07
49.000	0.00	0.05	0.021	O	|	|	|	|	0.07
49.083	0.00	0.05	0.020	O	|	|	|	|	0.07
49.167	0.00	0.04	0.020	O	|	|	|	|	0.06
49.250	0.00	0.04	0.020	O	|	|	|	|	0.06
49.333	0.00	0.04	0.020	O	|	|	|	|	0.06
49.417	0.00	0.04	0.019	O	|	|	|	|	0.06
49.500	0.00	0.04	0.019	O	|	|	|	|	0.06
49.583	0.00	0.04	0.019	O	|	|	|	|	0.06
49.667	0.00	0.04	0.018	O	|	|	|	|	0.06
49.750	0.00	0.04	0.018	O	|	|	|	|	0.06
49.833	0.00	0.04	0.018	O	|	|	|	|	0.06
49.917	0.00	0.04	0.018	O	|	|	|	|	0.06
50.000	0.00	0.04	0.017	O	|	|	|	|	0.06
50.083	0.00	0.04	0.017	O	|	|	|	|	0.05
50.167	0.00	0.04	0.017	O	|	|	|	|	0.05
50.250	0.00	0.04	0.016	O	|	|	|	|	0.05
50.333	0.00	0.04	0.016	O	|	|	|	|	0.05
50.417	0.00	0.04	0.016	O	|	|	|	|	0.05

50.500	0.00	0.04	0.016	O	|	|	|	|	0.05
50.583	0.00	0.03	0.016	O	|	|	|	|	0.05
50.667	0.00	0.03	0.015	O	|	|	|	|	0.05
50.750	0.00	0.03	0.015	O	|	|	|	|	0.05
50.833	0.00	0.03	0.015	O	|	|	|	|	0.05
50.917	0.00	0.03	0.015	O	|	|	|	|	0.05
51.000	0.00	0.03	0.014	O	|	|	|	|	0.05
51.083	0.00	0.03	0.014	O	|	|	|	|	0.05
51.167	0.00	0.03	0.014	O	|	|	|	|	0.04
51.250	0.00	0.03	0.014	O	|	|	|	|	0.04
51.333	0.00	0.03	0.014	O	|	|	|	|	0.04
51.417	0.00	0.03	0.013	O	|	|	|	|	0.04
51.500	0.00	0.03	0.013	O	|	|	|	|	0.04
51.583	0.00	0.03	0.013	O	|	|	|	|	0.04
51.667	0.00	0.03	0.013	O	|	|	|	|	0.04
51.750	0.00	0.03	0.013	O	|	|	|	|	0.04
51.833	0.00	0.03	0.012	O	|	|	|	|	0.04
51.917	0.00	0.03	0.012	O	|	|	|	|	0.04
52.000	0.00	0.03	0.012	O	|	|	|	|	0.04
52.083	0.00	0.03	0.012	O	|	|	|	|	0.04
52.167	0.00	0.03	0.012	O	|	|	|	|	0.04
52.250	0.00	0.03	0.011	O	|	|	|	|	0.04
52.333	0.00	0.03	0.011	O	|	|	|	|	0.04
52.417	0.00	0.02	0.011	O	|	|	|	|	0.04
52.500	0.00	0.02	0.011	O	|	|	|	|	0.04
52.583	0.00	0.02	0.011	O	|	|	|	|	0.03
52.667	0.00	0.02	0.011	O	|	|	|	|	0.03
52.750	0.00	0.02	0.010	O	|	|	|	|	0.03
52.833	0.00	0.02	0.010	O	|	|	|	|	0.03
52.917	0.00	0.02	0.010	O	|	|	|	|	0.03
53.000	0.00	0.02	0.010	O	|	|	|	|	0.03
53.083	0.00	0.02	0.010	O	|	|	|	|	0.03
53.167	0.00	0.02	0.010	O	|	|	|	|	0.03
53.250	0.00	0.02	0.009	O	|	|	|	|	0.03
53.333	0.00	0.02	0.009	O	|	|	|	|	0.03
53.417	0.00	0.02	0.009	O	|	|	|	|	0.03
53.500	0.00	0.02	0.009	O	|	|	|	|	0.03
53.583	0.00	0.02	0.009	O	|	|	|	|	0.03
53.667	0.00	0.02	0.009	O	|	|	|	|	0.03
53.750	0.00	0.02	0.009	O	|	|	|	|	0.03
53.833	0.00	0.02	0.009	O	|	|	|	|	0.03
53.917	0.00	0.02	0.008	O	|	|	|	|	0.03
54.000	0.00	0.02	0.008	O	|	|	|	|	0.03
54.083	0.00	0.02	0.008	O	|	|	|	|	0.03
54.167	0.00	0.02	0.008	O	|	|	|	|	0.03
54.250	0.00	0.02	0.008	O	|	|	|	|	0.03
54.333	0.00	0.02	0.008	O	|	|	|	|	0.03
54.417	0.00	0.02	0.008	O	|	|	|	|	0.02
54.500	0.00	0.02	0.008	O	|	|	|	|	0.02
54.583	0.00	0.02	0.007	O	|	|	|	|	0.02
54.667	0.00	0.02	0.007	O	|	|	|	|	0.02
54.750	0.00	0.02	0.007	O	|	|	|	|	0.02
54.833	0.00	0.02	0.007	O	|	|	|	|	0.02
54.917	0.00	0.02	0.007	O	|	|	|	|	0.02
55.000	0.00	0.02	0.007	O	|	|	|	|	0.02
55.083	0.00	0.02	0.007	O	|	|	|	|	0.02
55.167	0.00	0.01	0.007	O	|	|	|	|	0.02
55.250	0.00	0.01	0.007	O	|	|	|	|	0.02
55.333	0.00	0.01	0.006	O	|	|	|	|	0.02
55.417	0.00	0.01	0.006	O	|	|	|	|	0.02
55.500	0.00	0.01	0.006	O	|	|	|	|	0.02
55.583	0.00	0.01	0.006	O	|	|	|	|	0.02
55.667	0.00	0.01	0.006	O	|	|	|	|	0.02
55.750	0.00	0.01	0.006	O	|	|	|	|	0.02
55.833	0.00	0.01	0.006	O	|	|	|	|	0.02
55.917	0.00	0.01	0.006	O	|	|	|	|	0.02
56.000	0.00	0.01	0.006	O	|	|	|	|	0.02

56.083	0.00	0.01	0.006	O	|	|	|	|	0.02
56.167	0.00	0.01	0.006	O	|	|	|	|	0.02
56.250	0.00	0.01	0.005	O	|	|	|	|	0.02
56.333	0.00	0.01	0.005	O	|	|	|	|	0.02
56.417	0.00	0.01	0.005	O	|	|	|	|	0.02
56.500	0.00	0.01	0.005	O	|	|	|	|	0.02
56.583	0.00	0.01	0.005	O	|	|	|	|	0.02
56.667	0.00	0.01	0.005	O	|	|	|	|	0.02
56.750	0.00	0.01	0.005	O	|	|	|	|	0.02
56.833	0.00	0.01	0.005	O	|	|	|	|	0.02
56.917	0.00	0.01	0.005	O	|	|	|	|	0.02
57.000	0.00	0.01	0.005	O	|	|	|	|	0.02
57.083	0.00	0.01	0.005	O	|	|	|	|	0.02
57.167	0.00	0.01	0.005	O	|	|	|	|	0.01
57.250	0.00	0.01	0.005	O	|	|	|	|	0.01
57.333	0.00	0.01	0.004	O	|	|	|	|	0.01
57.417	0.00	0.01	0.004	O	|	|	|	|	0.01
57.500	0.00	0.01	0.004	O	|	|	|	|	0.01
57.583	0.00	0.01	0.004	O	|	|	|	|	0.01
57.667	0.00	0.01	0.004	O	|	|	|	|	0.01
57.750	0.00	0.01	0.004	O	|	|	|	|	0.01
57.833	0.00	0.01	0.004	O	|	|	|	|	0.01
57.917	0.00	0.01	0.004	O	|	|	|	|	0.01
58.000	0.00	0.01	0.004	O	|	|	|	|	0.01
58.083	0.00	0.01	0.004	O	|	|	|	|	0.01
58.167	0.00	0.01	0.004	O	|	|	|	|	0.01
58.250	0.00	0.01	0.004	O	|	|	|	|	0.01
58.333	0.00	0.01	0.004	O	|	|	|	|	0.01
58.417	0.00	0.01	0.004	O	|	|	|	|	0.01
58.500	0.00	0.01	0.004	O	|	|	|	|	0.01
58.583	0.00	0.01	0.004	O	|	|	|	|	0.01
58.667	0.00	0.01	0.004	O	|	|	|	|	0.01
58.750	0.00	0.01	0.003	O	|	|	|	|	0.01
58.833	0.00	0.01	0.003	O	|	|	|	|	0.01
58.917	0.00	0.01	0.003	O	|	|	|	|	0.01
59.000	0.00	0.01	0.003	O	|	|	|	|	0.01
59.083	0.00	0.01	0.003	O	|	|	|	|	0.01
59.167	0.00	0.01	0.003	O	|	|	|	|	0.01
59.250	0.00	0.01	0.003	O	|	|	|	|	0.01
59.333	0.00	0.01	0.003	O	|	|	|	|	0.01
59.417	0.00	0.01	0.003	O	|	|	|	|	0.01
59.500	0.00	0.01	0.003	O	|	|	|	|	0.01
59.583	0.00	0.01	0.003	O	|	|	|	|	0.01
59.667	0.00	0.01	0.003	O	|	|	|	|	0.01
59.750	0.00	0.01	0.003	O	|	|	|	|	0.01
59.833	0.00	0.01	0.003	O	|	|	|	|	0.01
59.917	0.00	0.01	0.003	O	|	|	|	|	0.01
60.000	0.00	0.01	0.003	O	|	|	|	|	0.01
60.083	0.00	0.01	0.003	O	|	|	|	|	0.01
60.167	0.00	0.01	0.003	O	|	|	|	|	0.01
60.250	0.00	0.01	0.003	O	|	|	|	|	0.01
60.333	0.00	0.01	0.003	O	|	|	|	|	0.01
60.417	0.00	0.01	0.003	O	|	|	|	|	0.01
60.500	0.00	0.01	0.003	O	|	|	|	|	0.01
60.583	0.00	0.01	0.002	O	|	|	|	|	0.01
60.667	0.00	0.01	0.002	O	|	|	|	|	0.01
60.750	0.00	0.01	0.002	O	|	|	|	|	0.01
60.833	0.00	0.01	0.002	O	|	|	|	|	0.01
60.917	0.00	0.01	0.002	O	|	|	|	|	0.01
61.000	0.00	0.01	0.002	O	|	|	|	|	0.01
61.083	0.00	0.01	0.002	O	|	|	|	|	0.01
61.167	0.00	0.00	0.002	O	|	|	|	|	0.01
61.250	0.00	0.00	0.002	O	|	|	|	|	0.01
61.333	0.00	0.00	0.002	O	|	|	|	|	0.01
61.417	0.00	0.00	0.002	O	|	|	|	|	0.01
61.500	0.00	0.00	0.002	O	|	|	|	|	0.01
61.583	0.00	0.00	0.002	O	|	|	|	|	0.01

61.667	0.00	0.00	0.002	O	|	|	|	|	0.01
61.750	0.00	0.00	0.002	O	|	|	|	|	0.01
61.833	0.00	0.00	0.002	O	|	|	|	|	0.01
61.917	0.00	0.00	0.002	O	|	|	|	|	0.01
62.000	0.00	0.00	0.002	O	|	|	|	|	0.01
62.083	0.00	0.00	0.002	O	|	|	|	|	0.01
62.167	0.00	0.00	0.002	O	|	|	|	|	0.01
62.250	0.00	0.00	0.002	O	|	|	|	|	0.01
62.333	0.00	0.00	0.002	O	|	|	|	|	0.01
62.417	0.00	0.00	0.002	O	|	|	|	|	0.01
62.500	0.00	0.00	0.002	O	|	|	|	|	0.01
62.583	0.00	0.00	0.002	O	|	|	|	|	0.01
62.667	0.00	0.00	0.002	O	|	|	|	|	0.01
62.750	0.00	0.00	0.002	O	|	|	|	|	0.01
62.833	0.00	0.00	0.002	O	|	|	|	|	0.01
62.917	0.00	0.00	0.002	O	|	|	|	|	0.01
63.000	0.00	0.00	0.002	O	|	|	|	|	0.01
63.083	0.00	0.00	0.002	O	|	|	|	|	0.01
63.167	0.00	0.00	0.002	O	|	|	|	|	0.00
63.250	0.00	0.00	0.002	O	|	|	|	|	0.00
63.333	0.00	0.00	0.001	O	|	|	|	|	0.00
63.417	0.00	0.00	0.001	O	|	|	|	|	0.00
63.500	0.00	0.00	0.001	O	|	|	|	|	0.00
63.583	0.00	0.00	0.001	O	|	|	|	|	0.00
63.667	0.00	0.00	0.001	O	|	|	|	|	0.00
63.750	0.00	0.00	0.001	O	|	|	|	|	0.00
63.833	0.00	0.00	0.001	O	|	|	|	|	0.00
63.917	0.00	0.00	0.001	O	|	|	|	|	0.00
64.000	0.00	0.00	0.001	O	|	|	|	|	0.00
64.083	0.00	0.00	0.001	O	|	|	|	|	0.00
64.167	0.00	0.00	0.001	O	|	|	|	|	0.00
64.250	0.00	0.00	0.001	O	|	|	|	|	0.00
64.333	0.00	0.00	0.001	O	|	|	|	|	0.00
64.417	0.00	0.00	0.001	O	|	|	|	|	0.00
64.500	0.00	0.00	0.001	O	|	|	|	|	0.00
64.583	0.00	0.00	0.001	O	|	|	|	|	0.00
64.667	0.00	0.00	0.001	O	|	|	|	|	0.00
64.750	0.00	0.00	0.001	O	|	|	|	|	0.00
64.833	0.00	0.00	0.001	O	|	|	|	|	0.00
64.917	0.00	0.00	0.001	O	|	|	|	|	0.00
65.000	0.00	0.00	0.001	O	|	|	|	|	0.00
65.083	0.00	0.00	0.001	O	|	|	|	|	0.00
65.167	0.00	0.00	0.001	O	|	|	|	|	0.00
65.250	0.00	0.00	0.001	O	|	|	|	|	0.00
65.333	0.00	0.00	0.001	O	|	|	|	|	0.00
65.417	0.00	0.00	0.001	O	|	|	|	|	0.00
65.500	0.00	0.00	0.001	O	|	|	|	|	0.00
65.583	0.00	0.00	0.001	O	|	|	|	|	0.00
65.667	0.00	0.00	0.001	O	|	|	|	|	0.00
65.750	0.00	0.00	0.001	O	|	|	|	|	0.00
65.833	0.00	0.00	0.001	O	|	|	|	|	0.00
65.917	0.00	0.00	0.001	O	|	|	|	|	0.00
66.000	0.00	0.00	0.001	O	|	|	|	|	0.00
66.083	0.00	0.00	0.001	O	|	|	|	|	0.00
66.167	0.00	0.00	0.001	O	|	|	|	|	0.00
66.250	0.00	0.00	0.001	O	|	|	|	|	0.00
66.333	0.00	0.00	0.001	O	|	|	|	|	0.00
66.417	0.00	0.00	0.001	O	|	|	|	|	0.00
66.500	0.00	0.00	0.001	O	|	|	|	|	0.00
66.583	0.00	0.00	0.001	O	|	|	|	|	0.00
66.667	0.00	0.00	0.001	O	|	|	|	|	0.00
66.750	0.00	0.00	0.001	O	|	|	|	|	0.00
66.833	0.00	0.00	0.001	O	|	|	|	|	0.00
66.917	0.00	0.00	0.001	O	|	|	|	|	0.00
67.000	0.00	0.00	0.001	O	|	|	|	|	0.00
67.083	0.00	0.00	0.001	O	|	|	|	|	0.00
67.167	0.00	0.00	0.001	O	|	|	|	|	0.00

67.250	0.00	0.00	0.001	O	|	|	|	|	0.00
67.333	0.00	0.00	0.001	O	|	|	|	|	0.00
67.417	0.00	0.00	0.001	O	|	|	|	|	0.00
67.500	0.00	0.00	0.001	O	|	|	|	|	0.00
67.583	0.00	0.00	0.001	O	|	|	|	|	0.00
67.667	0.00	0.00	0.001	O	|	|	|	|	0.00
67.750	0.00	0.00	0.001	O	|	|	|	|	0.00
67.833	0.00	0.00	0.001	O	|	|	|	|	0.00
67.917	0.00	0.00	0.001	O	|	|	|	|	0.00
68.000	0.00	0.00	0.001	O	|	|	|	|	0.00
68.083	0.00	0.00	0.001	O	|	|	|	|	0.00
68.167	0.00	0.00	0.001	O	|	|	|	|	0.00
68.250	0.00	0.00	0.001	O	|	|	|	|	0.00
68.333	0.00	0.00	0.001	O	|	|	|	|	0.00
68.417	0.00	0.00	0.001	O	|	|	|	|	0.00
68.500	0.00	0.00	0.001	O	|	|	|	|	0.00
68.583	0.00	0.00	0.001	O	|	|	|	|	0.00
68.667	0.00	0.00	0.001	O	|	|	|	|	0.00
68.750	0.00	0.00	0.001	O	|	|	|	|	0.00
68.833	0.00	0.00	0.001	O	|	|	|	|	0.00
68.917	0.00	0.00	0.001	O	|	|	|	|	0.00
69.000	0.00	0.00	0.001	O	|	|	|	|	0.00
69.083	0.00	0.00	0.001	O	|	|	|	|	0.00
69.167	0.00	0.00	0.001	O	|	|	|	|	0.00
69.250	0.00	0.00	0.001	O	|	|	|	|	0.00
69.333	0.00	0.00	0.000	O	|	|	|	|	0.00
69.417	0.00	0.00	0.000	O	|	|	|	|	0.00
69.500	0.00	0.00	0.000	O	|	|	|	|	0.00
69.583	0.00	0.00	0.000	O	|	|	|	|	0.00
69.667	0.00	0.00	0.000	O	|	|	|	|	0.00
69.750	0.00	0.00	0.000	O	|	|	|	|	0.00
69.833	0.00	0.00	0.000	O	|	|	|	|	0.00
69.917	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 839
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.133 (CFS)
Total volume = 3.722 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRC110.rte

**********HYDROGRAPH DATA**********

Number of intervals = 19
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 86.528 (CFS)
Total volume = 2.443 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN C- ROUTING
10YR-1HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 19
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.690	0.308	0.312
2.000	0.660	1.060	0.656	0.664
3.000	1.070	1.330	1.065	1.075
4.000	1.540	1.550	1.535	1.545
4.200	1.640	1.590	1.635	1.645
5.000	2.070	3.520	2.058	2.082
6.000	2.660	4.910	2.643	2.677
7.000	3.310	85.840	3.014	3.606

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 21.6 43.26 64.90 86.53	Depth (Ft.)
0.083	1.09	0.01	0.004	O | | | |	0.01
0.167	4.52	0.05	0.023	OI | | | |	0.07
0.250	7.32	0.14	0.063	O I | | | |	0.20
0.333	9.12	0.26	0.118	O I | | | |	0.38

0.417	11.08	0.41	0.185	O	I	|	|	|	0.60
0.500	13.64	0.59	0.267	O	I	|	|	|	0.86
0.583	17.24	0.75	0.369	O	I	|	|	|	1.17
0.667	21.71	0.89	0.497	O	I	|	|	|	1.54
0.750	32.28	1.07	0.676	O	| I	|	|	|	2.04
0.833	62.96	1.28	0.996	O	|	|	I |	|	2.82
0.917	86.53	1.53	1.501	O	|	|	|	I	3.92
1.000	41.57	2.88	1.927	|O	|	I |	|	|	4.73
1.083	21.01	3.64	2.120	|O	I |	|	|	|	5.09
1.167	10.77	3.84	2.204	|O I	|	|	|	|	5.23
1.250	6.51	3.91	2.237	|OI	|	|	|	|	5.28
1.333	4.04	**3.94**	**2.246**	**|O**	**|**	**|**	**|**	**|**	**5.30**
1.417	2.75	3.93	2.242	|O	|	|	|	|	5.29
1.500	0.48	3.89	2.227	IO	|	|	|	|	5.27
1.583	0.11	3.83	2.202	IO	|	|	|	|	5.22
1.667	0.00	3.77	2.176	IO	|	|	|	|	5.18
1.750	0.00	3.71	2.151	IO	|	|	|	|	5.14
1.833	0.00	3.65	2.125	IO	|	|	|	|	5.09
1.917	0.00	3.59	2.100	IO	|	|	|	|	5.05
2.000	0.00	3.53	2.076	IO	|	|	|	|	5.01
2.083	0.00	3.44	2.052	IO	|	|	|	|	4.97
2.167	0.00	3.33	2.028	IO	|	|	|	|	4.92
2.250	0.00	3.23	2.006	IO	|	|	|	|	4.88
2.333	0.00	3.13	1.984	IO	|	|	|	|	4.84
2.417	0.00	3.04	1.963	IO	|	|	|	|	4.80
2.500	0.00	2.95	1.942	IO	|	|	|	|	4.76
2.583	0.00	2.86	1.922	IO	|	|	|	|	4.72
2.667	0.00	2.77	1.903	IO	|	|	|	|	4.69
2.750	0.00	2.68	1.884	O	|	|	|	|	4.65
2.833	0.00	2.60	1.866	O	|	|	|	|	4.62
2.917	0.00	2.52	1.848	O	|	|	|	|	4.59
3.000	0.00	2.45	1.831	O	|	|	|	|	4.56
3.083	0.00	2.37	1.814	O	|	|	|	|	4.52
3.167	0.00	2.30	1.798	O	|	|	|	|	4.49
3.250	0.00	2.23	1.783	O	|	|	|	|	4.47
3.333	0.00	2.16	1.768	O	|	|	|	|	4.44
3.417	0.00	2.10	1.753	O	|	|	|	|	4.41
3.500	0.00	2.03	1.739	O	|	|	|	|	4.38
3.583	0.00	1.97	1.725	O	|	|	|	|	4.36
3.667	0.00	1.91	1.711	O	|	|	|	|	4.33
3.750	0.00	1.85	1.699	O	|	|	|	|	4.31
3.833	0.00	1.80	1.686	O	|	|	|	|	4.29
3.917	0.00	1.74	1.674	O	|	|	|	|	4.26
4.000	0.00	1.69	1.662	O	|	|	|	|	4.24
4.083	0.00	1.64	1.651	O	|	|	|	|	4.22
4.167	0.00	1.59	1.639	O	|	|	|	|	4.20
4.250	0.00	1.59	1.628	O	|	|	|	|	4.18
4.333	0.00	1.58	1.618	O	|	|	|	|	4.16
4.417	0.00	1.58	1.607	O	|	|	|	|	4.13
4.500	0.00	1.57	1.596	O	|	|	|	|	4.11
4.583	0.00	1.57	1.585	O	|	|	|	|	4.09
4.667	0.00	1.56	1.574	O	|	|	|	|	4.07
4.750	0.00	1.56	1.564	O	|	|	|	|	4.05
4.833	0.00	1.56	1.553	O	|	|	|	|	4.03
4.917	0.00	1.55	1.542	O	|	|	|	|	4.00
5.000	0.00	1.55	1.531	O	|	|	|	|	3.98
5.083	0.00	1.54	1.521	O	|	|	|	|	3.96
5.167	0.00	1.54	1.510	O	|	|	|	|	3.94
5.250	0.00	1.53	1.500	O	|	|	|	|	3.91
5.333	0.00	1.53	1.489	O	|	|	|	|	3.89
5.417	0.00	1.52	1.479	O	|	|	|	|	3.87
5.500	0.00	1.52	1.468	O	|	|	|	|	3.85
5.583	0.00	1.51	1.458	O	|	|	|	|	3.82
5.667	0.00	1.51	1.447	O	|	|	|	|	3.80
5.750	0.00	1.50	1.437	O	|	|	|	|	3.78
5.833	0.00	1.50	1.427	O	|	|	|	|	3.76
5.917	0.00	1.49	1.416	O	|	|	|	|	3.74
6.000	0.00	1.49	1.406	O	|	|	|	|	3.72
6.083	0.00	1.48	1.396	O	|	|	|	|	3.69

6.167	0.00	1.48	1.386	O					3.67
6.250	0.00	1.47	1.376	O					3.65
6.333	0.00	1.47	1.365	O					3.63
6.417	0.00	1.46	1.355	O					3.61
6.500	0.00	1.46	1.345	O					3.59
6.583	0.00	1.45	1.335	O					3.56
6.667	0.00	1.45	1.325	O					3.54
6.750	0.00	1.44	1.315	O					3.52
6.833	0.00	1.44	1.305	O					3.50
6.917	0.00	1.44	1.295	O					3.48
7.000	0.00	1.43	1.286	O					3.46
7.083	0.00	1.43	1.276	O					3.44
7.167	0.00	1.42	1.266	O					3.42
7.250	0.00	1.42	1.256	O					3.40
7.333	0.00	1.41	1.246	O					3.38
7.417	0.00	1.41	1.237	O					3.35
7.500	0.00	1.40	1.227	O					3.33
7.583	0.00	1.40	1.217	O					3.31
7.667	0.00	1.39	1.208	O					3.29
7.750	0.00	1.39	1.198	O					3.27
7.833	0.00	1.39	1.189	O					3.25
7.917	0.00	1.38	1.179	O					3.23
8.000	0.00	1.38	1.170	O					3.21
8.083	0.00	1.37	1.160	O					3.19
8.167	0.00	1.37	1.151	O					3.17
8.250	0.00	1.36	1.141	O					3.15
8.333	0.00	1.36	1.132	O					3.13
8.417	0.00	1.35	1.123	O					3.11
8.500	0.00	1.35	1.113	O					3.09
8.583	0.00	1.35	1.104	O					3.07
8.667	0.00	1.34	1.095	O					3.05
8.750	0.00	1.34	1.085	O					3.03
8.833	0.00	1.33	1.076	O					3.01
8.917	0.00	1.33	1.067	O					2.99
9.000	0.00	1.32	1.058	O					2.97
9.083	0.00	1.32	1.049	O					2.95
9.167	0.00	1.31	1.040	O					2.93
9.250	0.00	1.30	1.031	O					2.90
9.333	0.00	1.30	1.022	O					2.88
9.417	0.00	1.29	1.013	O					2.86
9.500	0.00	1.29	1.004	O					2.84
9.583	0.00	1.28	0.995	O					2.82
9.667	0.00	1.27	0.986	O					2.80
9.750	0.00	1.27	0.978	O					2.77
9.833	0.00	1.26	0.969	O					2.75
9.917	0.00	1.26	0.960	O					2.73
10.000	0.00	1.25	0.952	O					2.71
10.083	0.00	1.25	0.943	O					2.69
10.167	0.00	1.24	0.934	O					2.67
10.250	0.00	1.24	0.926	O					2.65
10.333	0.00	1.23	0.917	O					2.63
10.417	0.00	1.22	0.909	O					2.61
10.500	0.00	1.22	0.901	O					2.59
10.583	0.00	1.21	0.892	O					2.57
10.667	0.00	1.21	0.884	O					2.55
10.750	0.00	1.20	0.876	O					2.53
10.833	0.00	1.20	0.867	O					2.51
10.917	0.00	1.19	0.859	O					2.49
11.000	0.00	1.19	0.851	O					2.47
11.083	0.00	1.18	0.843	O					2.45
11.167	0.00	1.18	0.835	O					2.43
11.250	0.00	1.17	0.827	O					2.41
11.333	0.00	1.16	0.819	O					2.39
11.417	0.00	1.16	0.811	O					2.37
11.500	0.00	1.15	0.803	O					2.35
11.583	0.00	1.15	0.795	O					2.33
11.667	0.00	1.14	0.787	O					2.31
11.750	0.00	1.14	0.779	O					2.29
11.833	0.00	1.13	0.771	O					2.27

11.917	0.00	1.13	0.763	O					2.25
12.000	0.00	1.12	0.756	O					2.23
12.083	0.00	1.12	0.748	O					2.21
12.167	0.00	1.11	0.740	O					2.20
12.250	0.00	1.11	0.732	O					2.18
12.333	0.00	1.10	0.725	O					2.16
12.417	0.00	1.10	0.717	O					2.14
12.500	0.00	1.09	0.710	O					2.12
12.583	0.00	1.09	0.702	O					2.10
12.667	0.00	1.08	0.695	O					2.08
12.750	0.00	1.08	0.687	O					2.07
12.833	0.00	1.07	0.680	O					2.05
12.917	0.00	1.07	0.673	O					2.03
13.000	0.00	1.06	0.665	O					2.01
13.083	0.00	1.06	0.658	O					1.99
13.167	0.00	1.05	0.651	O					1.97
13.250	0.00	1.04	0.643	O					1.95
13.333	0.00	1.03	0.636	O					1.93
13.417	0.00	1.03	0.629	O					1.91
13.500	0.00	1.02	0.622	O					1.89
13.583	0.00	1.01	0.615	O					1.87
13.667	0.00	1.01	0.608	O					1.85
13.750	0.00	1.00	0.601	O					1.83
13.833	0.00	0.99	0.594	O					1.81
13.917	0.00	0.98	0.588	O					1.79
14.000	0.00	0.98	0.581	O					1.77
14.083	0.00	0.97	0.574	O					1.75
14.167	0.00	0.96	0.568	O					1.74
14.250	0.00	0.96	0.561	O					1.72
14.333	0.00	0.95	0.554	O					1.70
14.417	0.00	0.94	0.548	O					1.68
14.500	0.00	0.93	0.541	O					1.66
14.583	0.00	0.93	0.535	O					1.64
14.667	0.00	0.92	0.529	O					1.62
14.750	0.00	0.91	0.522	O					1.61
14.833	0.00	0.91	0.516	O					1.59
14.917	0.00	0.90	0.510	O					1.57
15.000	0.00	0.89	0.504	O					1.55
15.083	0.00	0.89	0.497	O					1.54
15.167	0.00	0.88	0.491	O					1.52
15.250	0.00	0.88	0.485	O					1.50
15.333	0.00	0.87	0.479	O					1.48
15.417	0.00	0.86	0.473	O					1.47
15.500	0.00	0.86	0.467	O					1.45
15.583	0.00	0.85	0.462	O					1.43
15.667	0.00	0.84	0.456	O					1.42
15.750	0.00	0.84	0.450	O					1.40
15.833	0.00	0.83	0.444	O					1.38
15.917	0.00	0.83	0.438	O					1.37
16.000	0.00	0.82	0.433	O					1.35
16.083	0.00	0.81	0.427	O					1.33
16.167	0.00	0.81	0.422	O					1.32
16.250	0.00	0.80	0.416	O					1.30
16.333	0.00	0.80	0.411	O					1.29
16.417	0.00	0.79	0.405	O					1.27
16.500	0.00	0.78	0.400	O					1.26
16.583	0.00	0.78	0.394	O					1.24
16.667	0.00	0.77	0.389	O					1.23
16.750	0.00	0.77	0.384	O					1.21
16.833	0.00	0.76	0.378	O					1.20
16.917	0.00	0.76	0.373	O					1.18
17.000	0.00	0.75	0.368	O					1.17
17.083	0.00	0.75	0.363	O					1.15
17.167	0.00	0.74	0.358	O					1.14
17.250	0.00	0.74	0.353	O					1.12
17.333	0.00	0.73	0.348	O					1.11
17.417	0.00	0.72	0.343	O					1.09
17.500	0.00	0.72	0.338	O					1.08
17.583	0.00	0.71	0.333	O					1.06

17.667	0.00	0.71	0.328	O					1.05
17.750	0.00	0.70	0.323	O					1.04
17.833	0.00	0.70	0.318	O					1.02
17.917	0.00	0.69	0.313	O					1.01
18.000	0.00	0.69	0.308	O					1.00
18.083	0.00	0.68	0.304	O					0.98
18.167	0.00	0.67	0.299	O					0.97
18.250	0.00	0.66	0.295	O					0.95
18.333	0.00	0.65	0.290	O					0.94
18.417	0.00	0.64	0.286	O					0.92
18.500	0.00	0.63	0.281	O					0.91
18.583	0.00	0.62	0.277	O					0.89
18.667	0.00	0.61	0.273	O					0.88
18.750	0.00	0.60	0.269	O					0.87
18.833	0.00	0.59	0.265	O					0.85
18.917	0.00	0.58	0.261	O					0.84
19.000	0.00	0.57	0.257	O					0.83
19.083	0.00	0.56	0.253	O					0.82
19.167	0.00	0.55	0.249	O					0.80
19.250	0.00	0.55	0.245	O					0.79
19.333	0.00	0.54	0.241	O					0.78
19.417	0.00	0.53	0.238	O					0.77
19.500	0.00	0.52	0.234	O					0.76
19.583	0.00	0.51	0.231	O					0.74
19.667	0.00	0.51	0.227	O					0.73
19.750	0.00	0.50	0.224	O					0.72
19.833	0.00	0.49	0.220	O					0.71
19.917	0.00	0.48	0.217	O					0.70
20.000	0.00	0.48	0.214	O					0.69
20.083	0.00	0.47	0.210	O					0.68
20.167	0.00	0.46	0.207	O					0.67
20.250	0.00	0.45	0.204	O					0.66
20.333	0.00	0.45	0.201	O					0.65
20.417	0.00	0.44	0.198	O					0.64
20.500	0.00	0.43	0.195	O					0.63
20.583	0.00	0.43	0.192	O					0.62
20.667	0.00	0.42	0.189	O					0.61
20.750	0.00	0.41	0.186	O					0.60
20.833	0.00	0.41	0.183	O					0.59
20.917	0.00	0.40	0.180	O					0.58
21.000	0.00	0.40	0.178	O					0.57
21.083	0.00	0.39	0.175	O					0.56
21.167	0.00	0.38	0.172	O					0.56
21.250	0.00	0.38	0.170	O					0.55
21.333	0.00	0.37	0.167	O					0.54
21.417	0.00	0.37	0.165	O					0.53
21.500	0.00	0.36	0.162	O					0.52
21.583	0.00	0.36	0.160	O					0.51
21.667	0.00	0.35	0.157	O					0.51
21.750	0.00	0.34	0.155	O					0.50
21.833	0.00	0.34	0.152	O					0.49
21.917	0.00	0.33	0.150	O					0.48
22.000	0.00	0.33	0.148	O					0.48
22.083	0.00	0.32	0.146	O					0.47
22.167	0.00	0.32	0.143	O					0.46
22.250	0.00	0.31	0.141	O					0.46
22.333	0.00	0.31	0.139	O					0.45
22.417	0.00	0.30	0.137	O					0.44
22.500	0.00	0.30	0.135	O					0.43
22.583	0.00	0.30	0.133	O					0.43
22.667	0.00	0.29	0.131	O					0.42
22.750	0.00	0.29	0.129	O					0.42
22.833	0.00	0.28	0.127	O					0.41
22.917	0.00	0.28	0.125	O					0.40
23.000	0.00	0.27	0.123	O					0.40
23.083	0.00	0.27	0.121	O					0.39
23.167	0.00	0.27	0.119	O					0.38
23.250	0.00	0.26	0.117	O					0.38
23.333	0.00	0.26	0.116	O					0.37

23.417	0.00	0.25	0.114	O					0.37
23.500	0.00	0.25	0.112	O					0.36
23.583	0.00	0.25	0.110	O					0.36
23.667	0.00	0.24	0.109	O					0.35
23.750	0.00	0.24	0.107	O					0.35
23.833	0.00	0.23	0.105	O					0.34
23.917	0.00	0.23	0.104	O					0.34
24.000	0.00	0.23	0.102	O					0.33
24.083	0.00	0.22	0.101	O					0.32
24.167	0.00	0.22	0.099	O					0.32
24.250	0.00	0.22	0.098	O					0.32
24.333	0.00	0.21	0.096	O					0.31
24.417	0.00	0.21	0.095	O					0.31
24.500	0.00	0.21	0.093	O					0.30
24.583	0.00	0.20	0.092	O					0.30
24.667	0.00	0.20	0.090	O					0.29
24.750	0.00	0.20	0.089	O					0.29
24.833	0.00	0.20	0.088	O					0.28
24.917	0.00	0.19	0.086	O					0.28
25.000	0.00	0.19	0.085	O					0.27
25.083	0.00	0.19	0.084	O					0.27
25.167	0.00	0.18	0.083	O					0.27
25.250	0.00	0.18	0.081	O					0.26
25.333	0.00	0.18	0.080	O					0.26
25.417	0.00	0.18	0.079	O					0.25
25.500	0.00	0.17	0.078	O					0.25
25.583	0.00	0.17	0.076	O					0.25
25.667	0.00	0.17	0.075	O					0.24
25.750	0.00	0.17	0.074	O					0.24
25.833	0.00	0.16	0.073	O					0.24
25.917	0.00	0.16	0.072	O					0.23
26.000	0.00	0.16	0.071	O					0.23
26.083	0.00	0.16	0.070	O					0.22
26.167	0.00	0.15	0.069	O					0.22
26.250	0.00	0.15	0.068	O					0.22
26.333	0.00	0.15	0.067	O					0.21
26.417	0.00	0.15	0.066	O					0.21
26.500	0.00	0.14	0.065	O					0.21
26.583	0.00	0.14	0.064	O					0.21
26.667	0.00	0.14	0.063	O					0.20
26.750	0.00	0.14	0.062	O					0.20
26.833	0.00	0.14	0.061	O					0.20
26.917	0.00	0.13	0.060	O					0.19
27.000	0.00	0.13	0.059	O					0.19
27.083	0.00	0.13	0.058	O					0.19
27.167	0.00	0.13	0.057	O					0.18
27.250	0.00	0.13	0.056	O					0.18
27.333	0.00	0.12	0.055	O					0.18
27.417	0.00	0.12	0.055	O					0.18
27.500	0.00	0.12	0.054	O					0.17
27.583	0.00	0.12	0.053	O					0.17
27.667	0.00	0.12	0.052	O					0.17
27.750	0.00	0.11	0.051	O					0.17
27.833	0.00	0.11	0.051	O					0.16
27.917	0.00	0.11	0.050	O					0.16
28.000	0.00	0.11	0.049	O					0.16
28.083	0.00	0.11	0.048	O					0.16
28.167	0.00	0.11	0.048	O					0.15
28.250	0.00	0.10	0.047	O					0.15
28.333	0.00	0.10	0.046	O					0.15
28.417	0.00	0.10	0.045	O					0.15
28.500	0.00	0.10	0.045	O					0.14
28.583	0.00	0.10	0.044	O					0.14
28.667	0.00	0.10	0.043	O					0.14
28.750	0.00	0.10	0.043	O					0.14
28.833	0.00	0.09	0.042	O					0.14
28.917	0.00	0.09	0.041	O					0.13
29.000	0.00	0.09	0.041	O					0.13
29.083	0.00	0.09	0.040	O					0.13

29.167	0.00	0.09	0.040	O					0.13
29.250	0.00	0.09	0.039	O					0.13
29.333	0.00	0.09	0.038	O					0.12
29.417	0.00	0.08	0.038	O					0.12
29.500	0.00	0.08	0.037	O					0.12
29.583	0.00	0.08	0.037	O					0.12
29.667	0.00	0.08	0.036	O					0.12
29.750	0.00	0.08	0.036	O					0.11
29.833	0.00	0.08	0.035	O					0.11
29.917	0.00	0.08	0.034	O					0.11
30.000	0.00	0.08	0.034	O					0.11
30.083	0.00	0.07	0.033	O					0.11
30.167	0.00	0.07	0.033	O					0.11
30.250	0.00	0.07	0.032	O					0.10
30.333	0.00	0.07	0.032	O					0.10
30.417	0.00	0.07	0.031	O					0.10
30.500	0.00	0.07	0.031	O					0.10
30.583	0.00	0.07	0.030	O					0.10
30.667	0.00	0.07	0.030	O					0.10
30.750	0.00	0.07	0.030	O					0.10
30.833	0.00	0.06	0.029	O					0.09
30.917	0.00	0.06	0.029	O					0.09
31.000	0.00	0.06	0.028	O					0.09
31.083	0.00	0.06	0.028	O					0.09
31.167	0.00	0.06	0.027	O					0.09
31.250	0.00	0.06	0.027	O					0.09
31.333	0.00	0.06	0.027	O					0.09
31.417	0.00	0.06	0.026	O					0.08
31.500	0.00	0.06	0.026	O					0.08
31.583	0.00	0.06	0.025	O					0.08
31.667	0.00	0.06	0.025	O					0.08
31.750	0.00	0.05	0.025	O					0.08
31.833	0.00	0.05	0.024	O					0.08
31.917	0.00	0.05	0.024	O					0.08
32.000	0.00	0.05	0.023	O					0.08
32.083	0.00	0.05	0.023	O					0.07
32.167	0.00	0.05	0.023	O					0.07
32.250	0.00	0.05	0.022	O					0.07
32.333	0.00	0.05	0.022	O					0.07
32.417	0.00	0.05	0.022	O					0.07
32.500	0.00	0.05	0.021	O					0.07
32.583	0.00	0.05	0.021	O					0.07
32.667	0.00	0.05	0.021	O					0.07
32.750	0.00	0.05	0.020	O					0.07
32.833	0.00	0.04	0.020	O					0.06
32.917	0.00	0.04	0.020	O					0.06
33.000	0.00	0.04	0.020	O					0.06
33.083	0.00	0.04	0.019	O					0.06
33.167	0.00	0.04	0.019	O					0.06
33.250	0.00	0.04	0.019	O					0.06
33.333	0.00	0.04	0.018	O					0.06
33.417	0.00	0.04	0.018	O					0.06
33.500	0.00	0.04	0.018	O					0.06
33.583	0.00	0.04	0.018	O					0.06
33.667	0.00	0.04	0.017	O					0.06
33.750	0.00	0.04	0.017	O					0.05
33.833	0.00	0.04	0.017	O					0.05
33.917	0.00	0.04	0.017	O					0.05
34.000	0.00	0.04	0.016	O					0.05
34.083	0.00	0.04	0.016	O					0.05
34.167	0.00	0.04	0.016	O					0.05
34.250	0.00	0.03	0.016	O					0.05
34.333	0.00	0.03	0.015	O					0.05
34.417	0.00	0.03	0.015	O					0.05
34.500	0.00	0.03	0.015	O					0.05
34.583	0.00	0.03	0.015	O					0.05
34.667	0.00	0.03	0.014	O					0.05
34.750	0.00	0.03	0.014	O					0.05
34.833	0.00	0.03	0.014	O					0.04

34.917	0.00	0.03	0.014	O					0.04
35.000	0.00	0.03	0.014	O					0.04
35.083	0.00	0.03	0.013	O					0.04
35.167	0.00	0.03	0.013	O					0.04
35.250	0.00	0.03	0.013	O					0.04
35.333	0.00	0.03	0.013	O					0.04
35.417	0.00	0.03	0.013	O					0.04
35.500	0.00	0.03	0.012	O					0.04
35.583	0.00	0.03	0.012	O					0.04
35.667	0.00	0.03	0.012	O					0.04
35.750	0.00	0.03	0.012	O					0.04
35.833	0.00	0.03	0.012	O					0.04
35.917	0.00	0.03	0.011	O					0.04
36.000	0.00	0.03	0.011	O					0.04
36.083	0.00	0.02	0.011	O					0.04
36.167	0.00	0.02	0.011	O					0.04
36.250	0.00	0.02	0.011	O					0.03
36.333	0.00	0.02	0.011	O					0.03
36.417	0.00	0.02	0.010	O					0.03
36.500	0.00	0.02	0.010	O					0.03
36.583	0.00	0.02	0.010	O					0.03
36.667	0.00	0.02	0.010	O					0.03
36.750	0.00	0.02	0.010	O					0.03
36.833	0.00	0.02	0.010	O					0.03
36.917	0.00	0.02	0.010	O					0.03
37.000	0.00	0.02	0.009	O					0.03
37.083	0.00	0.02	0.009	O					0.03
37.167	0.00	0.02	0.009	O					0.03
37.250	0.00	0.02	0.009	O					0.03
37.333	0.00	0.02	0.009	O					0.03
37.417	0.00	0.02	0.009	O					0.03
37.500	0.00	0.02	0.009	O					0.03
37.583	0.00	0.02	0.008	O					0.03
37.667	0.00	0.02	0.008	O					0.03
37.750	0.00	0.02	0.008	O					0.03
37.833	0.00	0.02	0.008	O					0.03
37.917	0.00	0.02	0.008	O					0.03
38.000	0.00	0.02	0.008	O					0.03
38.083	0.00	0.02	0.008	O					0.02
38.167	0.00	0.02	0.008	O					0.02
38.250	0.00	0.02	0.007	O					0.02
38.333	0.00	0.02	0.007	O					0.02
38.417	0.00	0.02	0.007	O					0.02
38.500	0.00	0.02	0.007	O					0.02
38.583	0.00	0.02	0.007	O					0.02
38.667	0.00	0.02	0.007	O					0.02
38.750	0.00	0.02	0.007	O					0.02
38.833	0.00	0.01	0.007	O					0.02
38.917	0.00	0.01	0.007	O					0.02
39.000	0.00	0.01	0.006	O					0.02
39.083	0.00	0.01	0.006	O					0.02
39.167	0.00	0.01	0.006	O					0.02
39.250	0.00	0.01	0.006	O					0.02
39.333	0.00	0.01	0.006	O					0.02
39.417	0.00	0.01	0.006	O					0.02
39.500	0.00	0.01	0.006	O					0.02
39.583	0.00	0.01	0.006	O					0.02
39.667	0.00	0.01	0.006	O					0.02
39.750	0.00	0.01	0.006	O					0.02
39.833	0.00	0.01	0.006	O					0.02
39.917	0.00	0.01	0.005	O					0.02
40.000	0.00	0.01	0.005	O					0.02
40.083	0.00	0.01	0.005	O					0.02
40.167	0.00	0.01	0.005	O					0.02
40.250	0.00	0.01	0.005	O					0.02
40.333	0.00	0.01	0.005	O					0.02
40.417	0.00	0.01	0.005	O					0.02
40.500	0.00	0.01	0.005	O					0.02
40.583	0.00	0.01	0.005	O					0.02

40.667	0.00	0.01	0.005	O	|	|	|	|	0.02
40.750	0.00	0.01	0.005	O	|	|	|	|	0.02
40.833	0.00	0.01	0.005	O	|	|	|	|	0.01
40.917	0.00	0.01	0.005	O	|	|	|	|	0.01
41.000	0.00	0.01	0.004	O	|	|	|	|	0.01
41.083	0.00	0.01	0.004	O	|	|	|	|	0.01
41.167	0.00	0.01	0.004	O	|	|	|	|	0.01
41.250	0.00	0.01	0.004	O	|	|	|	|	0.01
41.333	0.00	0.01	0.004	O	|	|	|	|	0.01
41.417	0.00	0.01	0.004	O	|	|	|	|	0.01
41.500	0.00	0.01	0.004	O	|	|	|	|	0.01
41.583	0.00	0.01	0.004	O	|	|	|	|	0.01
41.667	0.00	0.01	0.004	O	|	|	|	|	0.01
41.750	0.00	0.01	0.004	O	|	|	|	|	0.01
41.833	0.00	0.01	0.004	O	|	|	|	|	0.01
41.917	0.00	0.01	0.004	O	|	|	|	|	0.01
42.000	0.00	0.01	0.004	O	|	|	|	|	0.01
42.083	0.00	0.01	0.004	O	|	|	|	|	0.01
42.167	0.00	0.01	0.004	O	|	|	|	|	0.01
42.250	0.00	0.01	0.004	O	|	|	|	|	0.01
42.333	0.00	0.01	0.004	O	|	|	|	|	0.01
42.417	0.00	0.01	0.003	O	|	|	|	|	0.01
42.500	0.00	0.01	0.003	O	|	|	|	|	0.01
42.583	0.00	0.01	0.003	O	|	|	|	|	0.01
42.667	0.00	0.01	0.003	O	|	|	|	|	0.01
42.750	0.00	0.01	0.003	O	|	|	|	|	0.01
42.833	0.00	0.01	0.003	O	|	|	|	|	0.01
42.917	0.00	0.01	0.003	O	|	|	|	|	0.01
43.000	0.00	0.01	0.003	O	|	|	|	|	0.01
43.083	0.00	0.01	0.003	O	|	|	|	|	0.01
43.167	0.00	0.01	0.003	O	|	|	|	|	0.01
43.250	0.00	0.01	0.003	O	|	|	|	|	0.01
43.333	0.00	0.01	0.003	O	|	|	|	|	0.01
43.417	0.00	0.01	0.003	O	|	|	|	|	0.01
43.500	0.00	0.01	0.003	O	|	|	|	|	0.01
43.583	0.00	0.01	0.003	O	|	|	|	|	0.01
43.667	0.00	0.01	0.003	O	|	|	|	|	0.01
43.750	0.00	0.01	0.003	O	|	|	|	|	0.01
43.833	0.00	0.01	0.003	O	|	|	|	|	0.01
43.917	0.00	0.01	0.003	O	|	|	|	|	0.01
44.000	0.00	0.01	0.003	O	|	|	|	|	0.01
44.083	0.00	0.01	0.003	O	|	|	|	|	0.01
44.167	0.00	0.01	0.003	O	|	|	|	|	0.01
44.250	0.00	0.01	0.002	O	|	|	|	|	0.01
44.333	0.00	0.01	0.002	O	|	|	|	|	0.01
44.417	0.00	0.01	0.002	O	|	|	|	|	0.01
44.500	0.00	0.01	0.002	O	|	|	|	|	0.01
44.583	0.00	0.01	0.002	O	|	|	|	|	0.01
44.667	0.00	0.01	0.002	O	|	|	|	|	0.01
44.750	0.00	0.01	0.002	O	|	|	|	|	0.01
44.833	0.00	0.00	0.002	O	|	|	|	|	0.01
44.917	0.00	0.00	0.002	O	|	|	|	|	0.01
45.000	0.00	0.00	0.002	O	|	|	|	|	0.01
45.083	0.00	0.00	0.002	O	|	|	|	|	0.01
45.167	0.00	0.00	0.002	O	|	|	|	|	0.01
45.250	0.00	0.00	0.002	O	|	|	|	|	0.01
45.333	0.00	0.00	0.002	O	|	|	|	|	0.01
45.417	0.00	0.00	0.002	O	|	|	|	|	0.01
45.500	0.00	0.00	0.002	O	|	|	|	|	0.01
45.583	0.00	0.00	0.002	O	|	|	|	|	0.01
45.667	0.00	0.00	0.002	O	|	|	|	|	0.01
45.750	0.00	0.00	0.002	O	|	|	|	|	0.01
45.833	0.00	0.00	0.002	O	|	|	|	|	0.01
45.917	0.00	0.00	0.002	O	|	|	|	|	0.01
46.000	0.00	0.00	0.002	O	|	|	|	|	0.01
46.083	0.00	0.00	0.002	O	|	|	|	|	0.01
46.167	0.00	0.00	0.002	O	|	|	|	|	0.01
46.250	0.00	0.00	0.002	O	|	|	|	|	0.01
46.333	0.00	0.00	0.002	O	|	|	|	|	0.01

46.417	0.00	0.00	0.002	O					0.01
46.500	0.00	0.00	0.002	O					0.01
46.583	0.00	0.00	0.002	O					0.01
46.667	0.00	0.00	0.002	O					0.01
46.750	0.00	0.00	0.002	O					0.01
46.833	0.00	0.00	0.002	O					0.00
46.917	0.00	0.00	0.002	O					0.00
47.000	0.00	0.00	0.001	O					0.00
47.083	0.00	0.00	0.001	O					0.00
47.167	0.00	0.00	0.001	O					0.00
47.250	0.00	0.00	0.001	O					0.00
47.333	0.00	0.00	0.001	O					0.00
47.417	0.00	0.00	0.001	O					0.00
47.500	0.00	0.00	0.001	O					0.00
47.583	0.00	0.00	0.001	O					0.00
47.667	0.00	0.00	0.001	O					0.00
47.750	0.00	0.00	0.001	O					0.00
47.833	0.00	0.00	0.001	O					0.00
47.917	0.00	0.00	0.001	O					0.00
48.000	0.00	0.00	0.001	O					0.00
48.083	0.00	0.00	0.001	O					0.00
48.167	0.00	0.00	0.001	O					0.00
48.250	0.00	0.00	0.001	O					0.00
48.333	0.00	0.00	0.001	O					0.00
48.417	0.00	0.00	0.001	O					0.00
48.500	0.00	0.00	0.001	O					0.00
48.583	0.00	0.00	0.001	O					0.00
48.667	0.00	0.00	0.001	O					0.00
48.750	0.00	0.00	0.001	O					0.00
48.833	0.00	0.00	0.001	O					0.00
48.917	0.00	0.00	0.001	O					0.00
49.000	0.00	0.00	0.001	O					0.00
49.083	0.00	0.00	0.001	O					0.00
49.167	0.00	0.00	0.001	O					0.00
49.250	0.00	0.00	0.001	O					0.00
49.333	0.00	0.00	0.001	O					0.00
49.417	0.00	0.00	0.001	O					0.00
49.500	0.00	0.00	0.001	O					0.00
49.583	0.00	0.00	0.001	O					0.00
49.667	0.00	0.00	0.001	O					0.00
49.750	0.00	0.00	0.001	O					0.00
49.833	0.00	0.00	0.001	O					0.00
49.917	0.00	0.00	0.001	O					0.00
50.000	0.00	0.00	0.001	O					0.00
50.083	0.00	0.00	0.001	O					0.00
50.167	0.00	0.00	0.001	O					0.00
50.250	0.00	0.00	0.001	O					0.00
50.333	0.00	0.00	0.001	O					0.00
50.417	0.00	0.00	0.001	O					0.00
50.500	0.00	0.00	0.001	O					0.00
50.583	0.00	0.00	0.001	O					0.00
50.667	0.00	0.00	0.001	O					0.00
50.750	0.00	0.00	0.001	O					0.00
50.833	0.00	0.00	0.001	O					0.00
50.917	0.00	0.00	0.001	O					0.00
51.000	0.00	0.00	0.001	O					0.00
51.083	0.00	0.00	0.001	O					0.00
51.167	0.00	0.00	0.001	O					0.00
51.250	0.00	0.00	0.001	O					0.00
51.333	0.00	0.00	0.001	O					0.00
51.417	0.00	0.00	0.001	O					0.00
51.500	0.00	0.00	0.001	O					0.00
51.583	0.00	0.00	0.001	O					0.00
51.667	0.00	0.00	0.001	O					0.00
51.750	0.00	0.00	0.001	O					0.00
51.833	0.00	0.00	0.001	O					0.00
51.917	0.00	0.00	0.001	O					0.00
52.000	0.00	0.00	0.001	O					0.00
52.083	0.00	0.00	0.001	O					0.00

52.167	0.00	0.00	0.001	O	|	|	|	|	0.00
52.250	0.00	0.00	0.001	O	|	|	|	|	0.00
52.333	0.00	0.00	0.001	O	|	|	|	|	0.00
52.417	0.00	0.00	0.001	O	|	|	|	|	0.00
52.500	0.00	0.00	0.001	O	|	|	|	|	0.00
52.583	0.00	0.00	0.001	O	|	|	|	|	0.00
52.667	0.00	0.00	0.001	O	|	|	|	|	0.00
52.750	0.00	0.00	0.001	O	|	|	|	|	0.00
52.833	0.00	0.00	0.001	O	|	|	|	|	0.00
52.917	0.00	0.00	0.001	O	|	|	|	|	0.00
53.000	0.00	0.00	0.000	O	|	|	|	|	0.00
53.083	0.00	0.00	0.000	O	|	|	|	|	0.00
53.167	0.00	0.00	0.000	O	|	|	|	|	0.00
53.250	0.00	0.00	0.000	O	|	|	|	|	0.00
53.333	0.00	0.00	0.000	O	|	|	|	|	0.00
53.417	0.00	0.00	0.000	O	|	|	|	|	0.00
53.500	0.00	0.00	0.000	O	|	|	|	|	0.00
53.583	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 643
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.935 (CFS)
Total volume = 2.443 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRC310.rte

**********HYDROGRAPH DATA**********

Number of intervals = 43
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 48.322 (CFS)
Total volume = 3.293 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN C- ROUTING
10YR-3HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 43
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.690	0.308	0.312
2.000	0.660	1.060	0.656	0.664
3.000	1.070	1.330	1.065	1.075
4.000	1.540	1.550	1.535	1.545
4.200	1.640	1.590	1.635	1.645
5.000	2.070	3.520	2.058	2.082
6.000	2.660	4.910	2.643	2.677
7.000	3.310	85.840	3.014	3.606

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	12.1	24.16	36.24	48.32	Depth (Ft.)
0.083	0.74	0.01	0.003	O	|	|	|	|	0.01
0.167	2.59	0.03	0.014	OI	|	|	|	|	0.04
0.250	3.07	0.07	0.033	O I	|	|	|	|	0.11
0.333	3.29	0.12	0.054	O I	|	|	|	|	0.17

0.417	3.91	0.17	0.078	O I	|	|	|	|	0.25
0.500	4.33	0.23	0.105	O I	|	|	|	|	0.34
0.583	4.70	0.30	0.134	O I	|	|	|	|	0.43
0.667	4.67	0.37	0.164	O I	|	|	|	|	0.53
0.750	5.05	0.43	0.195	O I	|	|	|	|	0.63
0.833	5.00	0.50	0.226	O I	|	|	|	|	0.73
0.917	4.69	0.57	0.256	O I	|	|	|	|	0.83
1.000	4.84	0.63	0.285	O I	|	|	|	|	0.92
1.083	5.48	0.70	0.316	O I	|	|	|	|	1.02
1.167	6.43	0.73	0.352	O I	|	|	|	|	1.12
1.250	6.76	0.78	0.392	O I	|	|	|	|	1.23
1.333	6.67	0.82	0.433	O I	|	|	|	|	1.35
1.417	7.04	0.86	0.474	O I	|	|	|	|	1.47
1.500	9.29	0.92	0.524	O I	|	|	|	|	1.61
1.583	9.87	0.98	0.584	O I	|	|	|	|	1.78
1.667	9.57	1.04	0.644	O I	|	|	|	|	1.95
1.750	11.58	1.09	0.709	O I	|	|	|	|	2.12
1.833	14.04	1.15	0.790	O	I |	|	|	|	2.32
1.917	13.85	1.20	0.878	O	I |	|	|	|	2.53
2.000	13.41	1.26	0.963	O	I |	|	|	|	2.74
2.083	13.83	1.32	1.048	O	I |	|	|	|	2.95
2.167	16.10	1.36	1.142	O	I |	|	|	|	3.15
2.250	22.06	1.42	1.263	O	| I	|	|	|	3.41
2.333	24.43	1.49	1.414	O	| I	|	|	|	3.73
2.417	25.37	1.56	1.575	|O	| I	|	|	|	4.07
2.500	38.49	2.22	1.781	|O	|	|	| I	|	4.46
2.583	45.94	3.44	2.053	| O	|	|	| I	|	4.97
2.667	48.32	4.18	2.351	| O	|	|	| I	|	5.48
2.750	35.24	4.79	2.608	| O	|	| I	|	|	5.91
2.833	17.79	13.37	2.728	| O I	|	|	|	|	6.10
2.917	11.76	**14.21**	**2.735**	**| I |O**	|	|	|	|	**6.11**
3.000	8.63	11.80	2.715	| I O |	|	|	|	|	6.09
3.083	4.95	8.79	2.691	| I O	|	|	|	|	6.05
3.167	2.50	5.75	2.667	|I O	|	|	|	|	6.01
3.250	1.15	4.87	2.643	I O	|	|	|	|	5.97
3.333	0.38	4.80	2.615	I O	|	|	|	|	5.92
3.417	0.21	4.73	2.584	I O	|	|	|	|	5.87
3.500	0.11	4.66	2.553	I O	|	|	|	|	5.82
3.583	0.03	4.58	2.521	I O	|	|	|	|	5.76
3.667	0.00	4.51	2.490	I O	|	|	|	|	5.71
3.750	0.00	4.44	2.459	I O	|	|	|	|	5.66
3.833	0.00	4.37	2.429	I O	|	|	|	|	5.61
3.917	0.00	4.30	2.399	I O	|	|	|	|	5.56
4.000	0.00	4.23	2.370	I O	|	|	|	|	5.51
4.083	0.00	4.16	2.341	I O	|	|	|	|	5.46
4.167	0.00	4.09	2.313	I O	|	|	|	|	5.41
4.250	0.00	4.03	2.285	I O	|	|	|	|	5.36
4.333	0.00	3.96	2.257	I O	|	|	|	|	5.32
4.417	0.00	3.90	2.230	I O	|	|	|	|	5.27
4.500	0.00	3.83	2.203	I O	|	|	|	|	5.23
4.583	0.00	3.77	2.177	I O	|	|	|	|	5.18
4.667	0.00	3.71	2.151	I O	|	|	|	|	5.14
4.750	0.00	3.65	2.126	I O	|	|	|	|	5.10
4.833	0.00	3.59	2.101	I O	|	|	|	|	5.05
4.917	0.00	3.54	2.077	I O	|	|	|	|	5.01
5.000	0.00	3.44	2.053	I O	|	|	|	|	4.97
5.083	0.00	3.34	2.029	I O	|	|	|	|	4.92
5.167	0.00	3.24	2.007	I O	|	|	|	|	4.88
5.250	0.00	3.14	1.985	I O	|	|	|	|	4.84
5.333	0.00	3.04	1.963	I O	|	|	|	|	4.80
5.417	0.00	2.95	1.943	IO	|	|	|	|	4.76
5.500	0.00	2.86	1.923	IO	|	|	|	|	4.73
5.583	0.00	2.77	1.903	IO	|	|	|	|	4.69
5.667	0.00	2.69	1.885	IO	|	|	|	|	4.65
5.750	0.00	2.61	1.866	IO	|	|	|	|	4.62
5.833	0.00	2.53	1.849	IO	|	|	|	|	4.59
5.917	0.00	2.45	1.832	IO	|	|	|	|	4.56
6.000	0.00	2.37	1.815	IO	|	|	|	|	4.53
6.083	0.00	2.30	1.799	IO	|	|	|	|	4.50

6.167	0.00	2.23	1.783	IO				4.47
6.250	0.00	2.16	1.768	IO				4.44
6.333	0.00	2.10	1.753	IO				4.41
6.417	0.00	2.03	1.739	IO				4.38
6.500	0.00	1.97	1.725	IO				4.36
6.583	0.00	1.91	1.712	IO				4.33
6.667	0.00	1.85	1.699	IO				4.31
6.750	0.00	1.80	1.686	IO				4.29
6.833	0.00	1.74	1.674	IO				4.26
6.917	0.00	1.69	1.662	IO				4.24
7.000	0.00	1.64	1.651	IO				4.22
7.083	0.00	1.59	1.640	IO				4.20
7.167	0.00	1.59	1.629	IO				4.18
7.250	0.00	1.58	1.618	IO				4.16
7.333	0.00	1.58	1.607	IO				4.13
7.417	0.00	1.57	1.596	IO				4.11
7.500	0.00	1.57	1.585	IO				4.09
7.583	0.00	1.56	1.575	IO				4.07
7.667	0.00	1.56	1.564	IO				4.05
7.750	0.00	1.56	1.553	IO				4.03
7.833	0.00	1.55	1.542	IO				4.00
7.917	0.00	1.55	1.532	IO				3.98
8.000	0.00	1.54	1.521	IO				3.96
8.083	0.00	1.54	1.511	IO				3.94
8.167	0.00	1.53	1.500	IO				3.91
8.250	0.00	1.53	1.489	IO				3.89
8.333	0.00	1.52	1.479	IO				3.87
8.417	0.00	1.52	1.468	IO				3.85
8.500	0.00	1.51	1.458	IO				3.83
8.583	0.00	1.51	1.448	O				3.80
8.667	0.00	1.50	1.437	O				3.78
8.750	0.00	1.50	1.427	O				3.76
8.833	0.00	1.49	1.417	O				3.74
8.917	0.00	1.49	1.406	O				3.72
9.000	0.00	1.48	1.396	O				3.69
9.083	0.00	1.48	1.386	O				3.67
9.167	0.00	1.47	1.376	O				3.65
9.250	0.00	1.47	1.366	O				3.63
9.333	0.00	1.46	1.356	O				3.61
9.417	0.00	1.46	1.346	O				3.59
9.500	0.00	1.45	1.336	O				3.56
9.583	0.00	1.45	1.326	O				3.54
9.667	0.00	1.44	1.316	O				3.52
9.750	0.00	1.44	1.306	O				3.50
9.833	0.00	1.44	1.296	O				3.48
9.917	0.00	1.43	1.286	O				3.46
10.000	0.00	1.43	1.276	O				3.44
10.083	0.00	1.42	1.266	O				3.42
10.167	0.00	1.42	1.256	O				3.40
10.250	0.00	1.41	1.247	O				3.38
10.333	0.00	1.41	1.237	O				3.36
10.417	0.00	1.40	1.227	O				3.33
10.500	0.00	1.40	1.218	O				3.31
10.583	0.00	1.39	1.208	O				3.29
10.667	0.00	1.39	1.198	O				3.27
10.750	0.00	1.39	1.189	O				3.25
10.833	0.00	1.38	1.179	O				3.23
10.917	0.00	1.38	1.170	O				3.21
11.000	0.00	1.37	1.160	O				3.19
11.083	0.00	1.37	1.151	O				3.17
11.167	0.00	1.36	1.142	O				3.15
11.250	0.00	1.36	1.132	O				3.13
11.333	0.00	1.35	1.123	O				3.11
11.417	0.00	1.35	1.113	O				3.09
11.500	0.00	1.35	1.104	O				3.07
11.583	0.00	1.34	1.095	O				3.05
11.667	0.00	1.34	1.086	O				3.03
11.750	0.00	1.33	1.077	O				3.01
11.833	0.00	1.33	1.067	O				2.99

11.917	0.00	1.32	1.058	O					2.97
12.000	0.00	1.32	1.049	O					2.95
12.083	0.00	1.31	1.040	O					2.93
12.167	0.00	1.30	1.031	O					2.91
12.250	0.00	1.30	1.022	O					2.88
12.333	0.00	1.29	1.013	O					2.86
12.417	0.00	1.29	1.004	O					2.84
12.500	0.00	1.28	0.995	O					2.82
12.583	0.00	1.28	0.987	O					2.80
12.667	0.00	1.27	0.978	O					2.78
12.750	0.00	1.26	0.969	O					2.75
12.833	0.00	1.26	0.961	O					2.73
12.917	0.00	1.25	0.952	O					2.71
13.000	0.00	1.25	0.943	O					2.69
13.083	0.00	1.24	0.935	O					2.67
13.167	0.00	1.24	0.926	O					2.65
13.250	0.00	1.23	0.918	O					2.63
13.333	0.00	1.22	0.909	O					2.61
13.417	0.00	1.22	0.901	O					2.59
13.500	0.00	1.21	0.892	O					2.57
13.583	0.00	1.21	0.884	O					2.55
13.667	0.00	1.20	0.876	O					2.53
13.750	0.00	1.20	0.868	O					2.51
13.833	0.00	1.19	0.859	O					2.49
13.917	0.00	1.19	0.851	O					2.47
14.000	0.00	1.18	0.843	O					2.45
14.083	0.00	1.18	0.835	O					2.43
14.167	0.00	1.17	0.827	O					2.41
14.250	0.00	1.16	0.819	O					2.39
14.333	0.00	1.16	0.811	O					2.37
14.417	0.00	1.15	0.803	O					2.35
14.500	0.00	1.15	0.795	O					2.33
14.583	0.00	1.14	0.787	O					2.31
14.667	0.00	1.14	0.779	O					2.29
14.750	0.00	1.13	0.771	O					2.27
14.833	0.00	1.13	0.764	O					2.25
14.917	0.00	1.12	0.756	O					2.23
15.000	0.00	1.12	0.748	O					2.21
15.083	0.00	1.11	0.740	O					2.20
15.167	0.00	1.11	0.733	O					2.18
15.250	0.00	1.10	0.725	O					2.16
15.333	0.00	1.10	0.718	O					2.14
15.417	0.00	1.09	0.710	O					2.12
15.500	0.00	1.09	0.702	O					2.10
15.583	0.00	1.08	0.695	O					2.09
15.667	0.00	1.08	0.688	O					2.07
15.750	0.00	1.07	0.680	O					2.05
15.833	0.00	1.07	0.673	O					2.03
15.917	0.00	1.06	0.665	O					2.01
16.000	0.00	1.06	0.658	O					1.99
16.083	0.00	1.05	0.651	O					1.97
16.167	0.00	1.04	0.644	O					1.95
16.250	0.00	1.04	0.637	O					1.93
16.333	0.00	1.03	0.629	O					1.91
16.417	0.00	1.02	0.622	O					1.89
16.500	0.00	1.01	0.615	O					1.87
16.583	0.00	1.01	0.608	O					1.85
16.667	0.00	1.00	0.602	O					1.83
16.750	0.00	0.99	0.595	O					1.81
16.833	0.00	0.98	0.588	O					1.79
16.917	0.00	0.98	0.581	O					1.77
17.000	0.00	0.97	0.574	O					1.76
17.083	0.00	0.96	0.568	O					1.74
17.167	0.00	0.96	0.561	O					1.72
17.250	0.00	0.95	0.555	O					1.70
17.333	0.00	0.94	0.548	O					1.68
17.417	0.00	0.93	0.542	O					1.66
17.500	0.00	0.93	0.535	O					1.64
17.583	0.00	0.92	0.529	O					1.63

17.667	0.00	0.91	0.523	O					1.61
17.750	0.00	0.91	0.516	O					1.59
17.833	0.00	0.90	0.510	O					1.57
17.917	0.00	0.89	0.504	O					1.55
18.000	0.00	0.89	0.498	O					1.54
18.083	0.00	0.88	0.492	O					1.52
18.167	0.00	0.88	0.486	O					1.50
18.250	0.00	0.87	0.480	O					1.48
18.333	0.00	0.86	0.474	O					1.47
18.417	0.00	0.86	0.468	O					1.45
18.500	0.00	0.85	0.462	O					1.43
18.583	0.00	0.84	0.456	O					1.42
18.667	0.00	0.84	0.450	O					1.40
18.750	0.00	0.83	0.444	O					1.38
18.833	0.00	0.83	0.439	O					1.37
18.917	0.00	0.82	0.433	O					1.35
19.000	0.00	0.81	0.427	O					1.34
19.083	0.00	0.81	0.422	O					1.32
19.167	0.00	0.80	0.416	O					1.30
19.250	0.00	0.80	0.411	O					1.29
19.333	0.00	0.79	0.405	O					1.27
19.417	0.00	0.78	0.400	O					1.26
19.500	0.00	0.78	0.394	O					1.24
19.583	0.00	0.77	0.389	O					1.23
19.667	0.00	0.77	0.384	O					1.21
19.750	0.00	0.76	0.379	O					1.20
19.833	0.00	0.76	0.373	O					1.18
19.917	0.00	0.75	0.368	O					1.17
20.000	0.00	0.75	0.363	O					1.15
20.083	0.00	0.74	0.358	O					1.14
20.167	0.00	0.74	0.353	O					1.12
20.250	0.00	0.73	0.348	O					1.11
20.333	0.00	0.72	0.343	O					1.09
20.417	0.00	0.72	0.338	O					1.08
20.500	0.00	0.71	0.333	O					1.07
20.583	0.00	0.71	0.328	O					1.05
20.667	0.00	0.70	0.323	O					1.04
20.750	0.00	0.70	0.318	O					1.02
20.833	0.00	0.69	0.313	O					1.01
20.917	0.00	0.69	0.309	O					1.00
21.000	0.00	0.68	0.304	O					0.98
21.083	0.00	0.67	0.299	O					0.97
21.167	0.00	0.66	0.295	O					0.95
21.250	0.00	0.65	0.290	O					0.94
21.333	0.00	0.64	0.286	O					0.92
21.417	0.00	0.63	0.282	O					0.91
21.500	0.00	0.62	0.277	O					0.89
21.583	0.00	0.61	0.273	O					0.88
21.667	0.00	0.60	0.269	O					0.87
21.750	0.00	0.59	0.265	O					0.85
21.833	0.00	0.58	0.261	O					0.84
21.917	0.00	0.57	0.257	O					0.83
22.000	0.00	0.56	0.253	O					0.82
22.083	0.00	0.55	0.249	O					0.80
22.167	0.00	0.55	0.245	O					0.79
22.250	0.00	0.54	0.242	O					0.78
22.333	0.00	0.53	0.238	O					0.77
22.417	0.00	0.52	0.234	O					0.76
22.500	0.00	0.51	0.231	O					0.74
22.583	0.00	0.51	0.227	O					0.73
22.667	0.00	0.50	0.224	O					0.72
22.750	0.00	0.49	0.220	O					0.71
22.833	0.00	0.48	0.217	O					0.70
22.917	0.00	0.48	0.214	O					0.69
23.000	0.00	0.47	0.210	O					0.68
23.083	0.00	0.46	0.207	O					0.67
23.167	0.00	0.45	0.204	O					0.66
23.250	0.00	0.45	0.201	O					0.65
23.333	0.00	0.44	0.198	O					0.64

23.417	0.00	0.43	0.195	O	|	|	|	|	0.63
23.500	0.00	0.43	0.192	O	|	|	|	|	0.62
23.583	0.00	0.42	0.189	O	|	|	|	|	0.61
23.667	0.00	0.41	0.186	O	|	|	|	|	0.60
23.750	0.00	0.41	0.183	O	|	|	|	|	0.59
23.833	0.00	0.40	0.180	O	|	|	|	|	0.58
23.917	0.00	0.40	0.178	O	|	|	|	|	0.57
24.000	0.00	0.39	0.175	O	|	|	|	|	0.56
24.083	0.00	0.38	0.172	O	|	|	|	|	0.56
24.167	0.00	0.38	0.170	O	|	|	|	|	0.55
24.250	0.00	0.37	0.167	O	|	|	|	|	0.54
24.333	0.00	0.37	0.165	O	|	|	|	|	0.53
24.417	0.00	0.36	0.162	O	|	|	|	|	0.52
24.500	0.00	0.36	0.160	O	|	|	|	|	0.52
24.583	0.00	0.35	0.157	O	|	|	|	|	0.51
24.667	0.00	0.34	0.155	O	|	|	|	|	0.50
24.750	0.00	0.34	0.152	O	|	|	|	|	0.49
24.833	0.00	0.33	0.150	O	|	|	|	|	0.48
24.917	0.00	0.33	0.148	O	|	|	|	|	0.48
25.000	0.00	0.32	0.146	O	|	|	|	|	0.47
25.083	0.00	0.32	0.143	O	|	|	|	|	0.46
25.167	0.00	0.31	0.141	O	|	|	|	|	0.46
25.250	0.00	0.31	0.139	O	|	|	|	|	0.45
25.333	0.00	0.30	0.137	O	|	|	|	|	0.44
25.417	0.00	0.30	0.135	O	|	|	|	|	0.44
25.500	0.00	0.30	0.133	O	|	|	|	|	0.43
25.583	0.00	0.29	0.131	O	|	|	|	|	0.42
25.667	0.00	0.29	0.129	O	|	|	|	|	0.42
25.750	0.00	0.28	0.127	O	|	|	|	|	0.41
25.833	0.00	0.28	0.125	O	|	|	|	|	0.40
25.917	0.00	0.27	0.123	O	|	|	|	|	0.40
26.000	0.00	0.27	0.121	O	|	|	|	|	0.39
26.083	0.00	0.27	0.119	O	|	|	|	|	0.38
26.167	0.00	0.26	0.117	O	|	|	|	|	0.38
26.250	0.00	0.26	0.116	O	|	|	|	|	0.37
26.333	0.00	0.25	0.114	O	|	|	|	|	0.37
26.417	0.00	0.25	0.112	O	|	|	|	|	0.36
26.500	0.00	0.25	0.111	O	|	|	|	|	0.36
26.583	0.00	0.24	0.109	O	|	|	|	|	0.35
26.667	0.00	0.24	0.107	O	|	|	|	|	0.35
26.750	0.00	0.23	0.106	O	|	|	|	|	0.34
26.833	0.00	0.23	0.104	O	|	|	|	|	0.34
26.917	0.00	0.23	0.102	O	|	|	|	|	0.33
27.000	0.00	0.22	0.101	O	|	|	|	|	0.33
27.083	0.00	0.22	0.099	O	|	|	|	|	0.32
27.167	0.00	0.22	0.098	O	|	|	|	|	0.32
27.250	0.00	0.21	0.096	O	|	|	|	|	0.31
27.333	0.00	0.21	0.095	O	|	|	|	|	0.31
27.417	0.00	0.21	0.093	O	|	|	|	|	0.30
27.500	0.00	0.20	0.092	O	|	|	|	|	0.30
27.583	0.00	0.20	0.091	O	|	|	|	|	0.29
27.667	0.00	0.20	0.089	O	|	|	|	|	0.29
27.750	0.00	0.20	0.088	O	|	|	|	|	0.28
27.833	0.00	0.19	0.086	O	|	|	|	|	0.28
27.917	0.00	0.19	0.085	O	|	|	|	|	0.27
28.000	0.00	0.19	0.084	O	|	|	|	|	0.27
28.083	0.00	0.18	0.083	O	|	|	|	|	0.27
28.167	0.00	0.18	0.081	O	|	|	|	|	0.26
28.250	0.00	0.18	0.080	O	|	|	|	|	0.26
28.333	0.00	0.18	0.079	O	|	|	|	|	0.25
28.417	0.00	0.17	0.078	O	|	|	|	|	0.25
28.500	0.00	0.17	0.076	O	|	|	|	|	0.25
28.583	0.00	0.17	0.075	O	|	|	|	|	0.24
28.667	0.00	0.17	0.074	O	|	|	|	|	0.24
28.750	0.00	0.16	0.073	O	|	|	|	|	0.24
28.833	0.00	0.16	0.072	O	|	|	|	|	0.23
28.917	0.00	0.16	0.071	O	|	|	|	|	0.23
29.000	0.00	0.16	0.070	O	|	|	|	|	0.23
29.083	0.00	0.15	0.069	O	|	|	|	|	0.22

29.167	0.00	0.15	0.068	O					0.22
29.250	0.00	0.15	0.067	O					0.21
29.333	0.00	0.15	0.066	O					0.21
29.417	0.00	0.14	0.065	O					0.21
29.500	0.00	0.14	0.064	O					0.21
29.583	0.00	0.14	0.063	O					0.20
29.667	0.00	0.14	0.062	O					0.20
29.750	0.00	0.14	0.061	O					0.20
29.833	0.00	0.13	0.060	O					0.19
29.917	0.00	0.13	0.059	O					0.19
30.000	0.00	0.13	0.058	O					0.19
30.083	0.00	0.13	0.057	O					0.18
30.167	0.00	0.13	0.056	O					0.18
30.250	0.00	0.12	0.055	O					0.18
30.333	0.00	0.12	0.055	O					0.18
30.417	0.00	0.12	0.054	O					0.17
30.500	0.00	0.12	0.053	O					0.17
30.583	0.00	0.12	0.052	O					0.17
30.667	0.00	0.11	0.051	O					0.17
30.750	0.00	0.11	0.051	O					0.16
30.833	0.00	0.11	0.050	O					0.16
30.917	0.00	0.11	0.049	O					0.16
31.000	0.00	0.11	0.048	O					0.16
31.083	0.00	0.11	0.048	O					0.15
31.167	0.00	0.10	0.047	O					0.15
31.250	0.00	0.10	0.046	O					0.15
31.333	0.00	0.10	0.045	O					0.15
31.417	0.00	0.10	0.045	O					0.14
31.500	0.00	0.10	0.044	O					0.14
31.583	0.00	0.10	0.043	O					0.14
31.667	0.00	0.10	0.043	O					0.14
31.750	0.00	0.09	0.042	O					0.14
31.833	0.00	0.09	0.041	O					0.13
31.917	0.00	0.09	0.041	O					0.13
32.000	0.00	0.09	0.040	O					0.13
32.083	0.00	0.09	0.040	O					0.13
32.167	0.00	0.09	0.039	O					0.13
32.250	0.00	0.09	0.038	O					0.12
32.333	0.00	0.08	0.038	O					0.12
32.417	0.00	0.08	0.037	O					0.12
32.500	0.00	0.08	0.037	O					0.12
32.583	0.00	0.08	0.036	O					0.12
32.667	0.00	0.08	0.036	O					0.11
32.750	0.00	0.08	0.035	O					0.11
32.833	0.00	0.08	0.034	O					0.11
32.917	0.00	0.08	0.034	O					0.11
33.000	0.00	0.07	0.033	O					0.11
33.083	0.00	0.07	0.033	O					0.11
33.167	0.00	0.07	0.032	O					0.10
33.250	0.00	0.07	0.032	O					0.10
33.333	0.00	0.07	0.031	O					0.10
33.417	0.00	0.07	0.031	O					0.10
33.500	0.00	0.07	0.030	O					0.10
33.583	0.00	0.07	0.030	O					0.10
33.667	0.00	0.07	0.030	O					0.10
33.750	0.00	0.06	0.029	O					0.09
33.833	0.00	0.06	0.029	O					0.09
33.917	0.00	0.06	0.028	O					0.09
34.000	0.00	0.06	0.028	O					0.09
34.083	0.00	0.06	0.027	O					0.09
34.167	0.00	0.06	0.027	O					0.09
34.250	0.00	0.06	0.027	O					0.09
34.333	0.00	0.06	0.026	O					0.08
34.417	0.00	0.06	0.026	O					0.08
34.500	0.00	0.06	0.025	O					0.08
34.583	0.00	0.06	0.025	O					0.08
34.667	0.00	0.05	0.025	O					0.08
34.750	0.00	0.05	0.024	O					0.08
34.833	0.00	0.05	0.024	O					0.08

34.917	0.00	0.05	0.023	O					0.08
35.000	0.00	0.05	0.023	O					0.07
35.083	0.00	0.05	0.023	O					0.07
35.167	0.00	0.05	0.022	O					0.07
35.250	0.00	0.05	0.022	O					0.07
35.333	0.00	0.05	0.022	O					0.07
35.417	0.00	0.05	0.021	O					0.07
35.500	0.00	0.05	0.021	O					0.07
35.583	0.00	0.05	0.021	O					0.07
35.667	0.00	0.05	0.020	O					0.07
35.750	0.00	0.04	0.020	O					0.07
35.833	0.00	0.04	0.020	O					0.06
35.917	0.00	0.04	0.020	O					0.06
36.000	0.00	0.04	0.019	O					0.06
36.083	0.00	0.04	0.019	O					0.06
36.167	0.00	0.04	0.019	O					0.06
36.250	0.00	0.04	0.018	O					0.06
36.333	0.00	0.04	0.018	O					0.06
36.417	0.00	0.04	0.018	O					0.06
36.500	0.00	0.04	0.018	O					0.06
36.583	0.00	0.04	0.017	O					0.06
36.667	0.00	0.04	0.017	O					0.05
36.750	0.00	0.04	0.017	O					0.05
36.833	0.00	0.04	0.017	O					0.05
36.917	0.00	0.04	0.016	O					0.05
37.000	0.00	0.04	0.016	O					0.05
37.083	0.00	0.04	0.016	O					0.05
37.167	0.00	0.03	0.016	O					0.05
37.250	0.00	0.03	0.015	O					0.05
37.333	0.00	0.03	0.015	O					0.05
37.417	0.00	0.03	0.015	O					0.05
37.500	0.00	0.03	0.015	O					0.05
37.583	0.00	0.03	0.014	O					0.05
37.667	0.00	0.03	0.014	O					0.05
37.750	0.00	0.03	0.014	O					0.05
37.833	0.00	0.03	0.014	O					0.04
37.917	0.00	0.03	0.014	O					0.04
38.000	0.00	0.03	0.013	O					0.04
38.083	0.00	0.03	0.013	O					0.04
38.167	0.00	0.03	0.013	O					0.04
38.250	0.00	0.03	0.013	O					0.04
38.333	0.00	0.03	0.013	O					0.04
38.417	0.00	0.03	0.012	O					0.04
38.500	0.00	0.03	0.012	O					0.04
38.583	0.00	0.03	0.012	O					0.04
38.667	0.00	0.03	0.012	O					0.04
38.750	0.00	0.03	0.012	O					0.04
38.833	0.00	0.03	0.011	O					0.04
38.917	0.00	0.03	0.011	O					0.04
39.000	0.00	0.02	0.011	O					0.04
39.083	0.00	0.02	0.011	O					0.04
39.167	0.00	0.02	0.011	O					0.03
39.250	0.00	0.02	0.011	O					0.03
39.333	0.00	0.02	0.010	O					0.03
39.417	0.00	0.02	0.010	O					0.03
39.500	0.00	0.02	0.010	O					0.03
39.583	0.00	0.02	0.010	O					0.03
39.667	0.00	0.02	0.010	O					0.03
39.750	0.00	0.02	0.010	O					0.03
39.833	0.00	0.02	0.010	O					0.03
39.917	0.00	0.02	0.009	O					0.03
40.000	0.00	0.02	0.009	O					0.03
40.083	0.00	0.02	0.009	O					0.03
40.167	0.00	0.02	0.009	O					0.03
40.250	0.00	0.02	0.009	O					0.03
40.333	0.00	0.02	0.009	O					0.03
40.417	0.00	0.02	0.009	O					0.03
40.500	0.00	0.02	0.008	O					0.03
40.583	0.00	0.02	0.008	O					0.03

40.667	0.00	0.02	0.008	O					0.03
40.750	0.00	0.02	0.008	O					0.03
40.833	0.00	0.02	0.008	O					0.03
40.917	0.00	0.02	0.008	O					0.03
41.000	0.00	0.02	0.008	O					0.02
41.083	0.00	0.02	0.008	O					0.02
41.167	0.00	0.02	0.007	O					0.02
41.250	0.00	0.02	0.007	O					0.02
41.333	0.00	0.02	0.007	O					0.02
41.417	0.00	0.02	0.007	O					0.02
41.500	0.00	0.02	0.007	O					0.02
41.583	0.00	0.02	0.007	O					0.02
41.667	0.00	0.02	0.007	O					0.02
41.750	0.00	0.01	0.007	O					0.02
41.833	0.00	0.01	0.007	O					0.02
41.917	0.00	0.01	0.006	O					0.02
42.000	0.00	0.01	0.006	O					0.02
42.083	0.00	0.01	0.006	O					0.02
42.167	0.00	0.01	0.006	O					0.02
42.250	0.00	0.01	0.006	O					0.02
42.333	0.00	0.01	0.006	O					0.02
42.417	0.00	0.01	0.006	O					0.02
42.500	0.00	0.01	0.006	O					0.02
42.583	0.00	0.01	0.006	O					0.02
42.667	0.00	0.01	0.006	O					0.02
42.750	0.00	0.01	0.006	O					0.02
42.833	0.00	0.01	0.005	O					0.02
42.917	0.00	0.01	0.005	O					0.02
43.000	0.00	0.01	0.005	O					0.02
43.083	0.00	0.01	0.005	O					0.02
43.167	0.00	0.01	0.005	O					0.02
43.250	0.00	0.01	0.005	O					0.02
43.333	0.00	0.01	0.005	O					0.02
43.417	0.00	0.01	0.005	O					0.02
43.500	0.00	0.01	0.005	O					0.02
43.583	0.00	0.01	0.005	O					0.02
43.667	0.00	0.01	0.005	O					0.02
43.750	0.00	0.01	0.005	O					0.01
43.833	0.00	0.01	0.005	O					0.01
43.917	0.00	0.01	0.004	O					0.01
44.000	0.00	0.01	0.004	O					0.01
44.083	0.00	0.01	0.004	O					0.01
44.167	0.00	0.01	0.004	O					0.01
44.250	0.00	0.01	0.004	O					0.01
44.333	0.00	0.01	0.004	O					0.01
44.417	0.00	0.01	0.004	O					0.01
44.500	0.00	0.01	0.004	O					0.01
44.583	0.00	0.01	0.004	O					0.01
44.667	0.00	0.01	0.004	O					0.01
44.750	0.00	0.01	0.004	O					0.01
44.833	0.00	0.01	0.004	O					0.01
44.917	0.00	0.01	0.004	O					0.01
45.000	0.00	0.01	0.004	O					0.01
45.083	0.00	0.01	0.004	O					0.01
45.167	0.00	0.01	0.004	O					0.01
45.250	0.00	0.01	0.004	O					0.01
45.333	0.00	0.01	0.003	O					0.01
45.417	0.00	0.01	0.003	O					0.01
45.500	0.00	0.01	0.003	O					0.01
45.583	0.00	0.01	0.003	O					0.01
45.667	0.00	0.01	0.003	O					0.01
45.750	0.00	0.01	0.003	O					0.01
45.833	0.00	0.01	0.003	O					0.01
45.917	0.00	0.01	0.003	O					0.01
46.000	0.00	0.01	0.003	O					0.01
46.083	0.00	0.01	0.003	O					0.01
46.167	0.00	0.01	0.003	O					0.01
46.250	0.00	0.01	0.003	O					0.01
46.333	0.00	0.01	0.003	O					0.01

46.417	0.00	0.01	0.003	O					0.01
46.500	0.00	0.01	0.003	O					0.01
46.583	0.00	0.01	0.003	O					0.01
46.667	0.00	0.01	0.003	O					0.01
46.750	0.00	0.01	0.003	O					0.01
46.833	0.00	0.01	0.003	O					0.01
46.917	0.00	0.01	0.003	O					0.01
47.000	0.00	0.01	0.003	O					0.01
47.083	0.00	0.01	0.003	O					0.01
47.167	0.00	0.01	0.002	O					0.01
47.250	0.00	0.01	0.002	O					0.01
47.333	0.00	0.01	0.002	O					0.01
47.417	0.00	0.01	0.002	O					0.01
47.500	0.00	0.01	0.002	O					0.01
47.583	0.00	0.01	0.002	O					0.01
47.667	0.00	0.01	0.002	O					0.01
47.750	0.00	0.00	0.002	O					0.01
47.833	0.00	0.00	0.002	O					0.01
47.917	0.00	0.00	0.002	O					0.01
48.000	0.00	0.00	0.002	O					0.01
48.083	0.00	0.00	0.002	O					0.01
48.167	0.00	0.00	0.002	O					0.01
48.250	0.00	0.00	0.002	O					0.01
48.333	0.00	0.00	0.002	O					0.01
48.417	0.00	0.00	0.002	O					0.01
48.500	0.00	0.00	0.002	O					0.01
48.583	0.00	0.00	0.002	O					0.01
48.667	0.00	0.00	0.002	O					0.01
48.750	0.00	0.00	0.002	O					0.01
48.833	0.00	0.00	0.002	O					0.01
48.917	0.00	0.00	0.002	O					0.01
49.000	0.00	0.00	0.002	O					0.01
49.083	0.00	0.00	0.002	O					0.01
49.167	0.00	0.00	0.002	O					0.01
49.250	0.00	0.00	0.002	O					0.01
49.333	0.00	0.00	0.002	O					0.01
49.417	0.00	0.00	0.002	O					0.01
49.500	0.00	0.00	0.002	O					0.01
49.583	0.00	0.00	0.002	O					0.01
49.667	0.00	0.00	0.002	O					0.01
49.750	0.00	0.00	0.002	O					0.00
49.833	0.00	0.00	0.002	O					0.00
49.917	0.00	0.00	0.001	O					0.00
50.000	0.00	0.00	0.001	O					0.00
50.083	0.00	0.00	0.001	O					0.00
50.167	0.00	0.00	0.001	O					0.00
50.250	0.00	0.00	0.001	O					0.00
50.333	0.00	0.00	0.001	O					0.00
50.417	0.00	0.00	0.001	O					0.00
50.500	0.00	0.00	0.001	O					0.00
50.583	0.00	0.00	0.001	O					0.00
50.667	0.00	0.00	0.001	O					0.00
50.750	0.00	0.00	0.001	O					0.00
50.833	0.00	0.00	0.001	O					0.00
50.917	0.00	0.00	0.001	O					0.00
51.000	0.00	0.00	0.001	O					0.00
51.083	0.00	0.00	0.001	O					0.00
51.167	0.00	0.00	0.001	O					0.00
51.250	0.00	0.00	0.001	O					0.00
51.333	0.00	0.00	0.001	O					0.00
51.417	0.00	0.00	0.001	O					0.00
51.500	0.00	0.00	0.001	O					0.00
51.583	0.00	0.00	0.001	O					0.00
51.667	0.00	0.00	0.001	O					0.00
51.750	0.00	0.00	0.001	O					0.00
51.833	0.00	0.00	0.001	O					0.00
51.917	0.00	0.00	0.001	O					0.00
52.000	0.00	0.00	0.001	O					0.00
52.083	0.00	0.00	0.001	O					0.00

52.167	0.00	0.00	0.001	O	|	|	|	|	0.00
52.250	0.00	0.00	0.001	O	|	|	|	|	0.00
52.333	0.00	0.00	0.001	O	|	|	|	|	0.00
52.417	0.00	0.00	0.001	O	|	|	|	|	0.00
52.500	0.00	0.00	0.001	O	|	|	|	|	0.00
52.583	0.00	0.00	0.001	O	|	|	|	|	0.00
52.667	0.00	0.00	0.001	O	|	|	|	|	0.00
52.750	0.00	0.00	0.001	O	|	|	|	|	0.00
52.833	0.00	0.00	0.001	O	|	|	|	|	0.00
52.917	0.00	0.00	0.001	O	|	|	|	|	0.00
53.000	0.00	0.00	0.001	O	|	|	|	|	0.00
53.083	0.00	0.00	0.001	O	|	|	|	|	0.00
53.167	0.00	0.00	0.001	O	|	|	|	|	0.00
53.250	0.00	0.00	0.001	O	|	|	|	|	0.00
53.333	0.00	0.00	0.001	O	|	|	|	|	0.00
53.417	0.00	0.00	0.001	O	|	|	|	|	0.00
53.500	0.00	0.00	0.001	O	|	|	|	|	0.00
53.583	0.00	0.00	0.001	O	|	|	|	|	0.00
53.667	0.00	0.00	0.001	O	|	|	|	|	0.00
53.750	0.00	0.00	0.001	O	|	|	|	|	0.00
53.833	0.00	0.00	0.001	O	|	|	|	|	0.00
53.917	0.00	0.00	0.001	O	|	|	|	|	0.00
54.000	0.00	0.00	0.001	O	|	|	|	|	0.00
54.083	0.00	0.00	0.001	O	|	|	|	|	0.00
54.167	0.00	0.00	0.001	O	|	|	|	|	0.00
54.250	0.00	0.00	0.001	O	|	|	|	|	0.00
54.333	0.00	0.00	0.001	O	|	|	|	|	0.00
54.417	0.00	0.00	0.001	O	|	|	|	|	0.00
54.500	0.00	0.00	0.001	O	|	|	|	|	0.00
54.583	0.00	0.00	0.001	O	|	|	|	|	0.00
54.667	0.00	0.00	0.001	O	|	|	|	|	0.00
54.750	0.00	0.00	0.001	O	|	|	|	|	0.00
54.833	0.00	0.00	0.001	O	|	|	|	|	0.00
54.917	0.00	0.00	0.001	O	|	|	|	|	0.00
55.000	0.00	0.00	0.001	O	|	|	|	|	0.00
55.083	0.00	0.00	0.001	O	|	|	|	|	0.00
55.167	0.00	0.00	0.001	O	|	|	|	|	0.00
55.250	0.00	0.00	0.001	O	|	|	|	|	0.00
55.333	0.00	0.00	0.001	O	|	|	|	|	0.00
55.417	0.00	0.00	0.001	O	|	|	|	|	0.00
55.500	0.00	0.00	0.001	O	|	|	|	|	0.00
55.583	0.00	0.00	0.001	O	|	|	|	|	0.00
55.667	0.00	0.00	0.001	O	|	|	|	|	0.00
55.750	0.00	0.00	0.001	O	|	|	|	|	0.00
55.833	0.00	0.00	0.001	O	|	|	|	|	0.00
55.917	0.00	0.00	0.000	O	|	|	|	|	0.00
56.000	0.00	0.00	0.000	O	|	|	|	|	0.00
56.083	0.00	0.00	0.000	O	|	|	|	|	0.00
56.167	0.00	0.00	0.000	O	|	|	|	|	0.00
56.250	0.00	0.00	0.000	O	|	|	|	|	0.00
56.333	0.00	0.00	0.000	O	|	|	|	|	0.00
56.417	0.00	0.00	0.000	O	|	|	|	|	0.00
56.500	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 678
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 14.212 (CFS)
Total volume = 3.293 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRC610.rte

**********HYDROGRAPH DATA**********

Number of intervals = 79
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 45.653 (CFS)
Total volume = 4.491 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN C- ROUTING
10YR6HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 79
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.690	0.308	0.312
2.000	0.660	1.060	0.656	0.664
3.000	1.070	1.330	1.065	1.075
4.000	1.540	1.550	1.535	1.545
4.200	1.640	1.590	1.635	1.645
5.000	2.070	3.520	2.058	2.082
6.000	2.660	4.910	2.643	2.677
7.000	3.310	85.840	3.014	3.606

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 11.4 22.83 34.24 45.65	Depth (Ft.)
0.083	0.42	0.00	0.001	O | | | |	0.00
0.167	1.56	0.02	0.008	OI | | | |	0.03
0.250	2.11	0.05	0.021	OI | | | |	0.07

0.333	2.33	0.08	0.035	OI	|	|	|	|	0.11
0.417	2.45	0.11	0.051	OI	|	|	|	|	0.17
0.500	2.60	0.15	0.068	OI	|	|	|	|	0.22
0.583	2.86	0.19	0.085	O I	|	|	|	|	0.28
0.667	2.97	0.23	0.104	O I	|	|	|	|	0.34
0.750	3.01	0.27	0.123	O I	|	|	|	|	0.40
0.833	3.02	0.32	0.142	O I	|	|	|	|	0.46
0.917	3.04	0.36	0.160	O I	|	|	|	|	0.52
1.000	3.13	0.40	0.179	O I	|	|	|	|	0.58
1.083	3.34	0.44	0.198	O I	|	|	|	|	0.64
1.167	3.41	0.49	0.218	O I	|	|	|	|	0.70
1.250	3.44	0.53	0.238	O I	|	|	|	|	0.77
1.333	3.46	0.57	0.258	O I	|	|	|	|	0.83
1.417	3.47	0.62	0.278	O I	|	|	|	|	0.90
1.500	3.48	0.66	0.298	O I	|	|	|	|	0.96
1.583	3.48	0.70	0.317	O I	|	|	|	|	1.02
1.667	3.48	0.72	0.336	O I	|	|	|	|	1.07
1.750	3.48	0.74	0.355	O I	|	|	|	|	1.13
1.833	3.48	0.76	0.374	O I	|	|	|	|	1.18
1.917	3.48	0.78	0.393	O I	|	|	|	|	1.24
2.000	3.57	0.80	0.411	O I	|	|	|	|	1.29
2.083	3.70	0.82	0.431	O I	|	|	|	|	1.35
2.167	3.64	0.84	0.450	O I	|	|	|	|	1.40
2.250	3.81	0.86	0.470	O I	|	|	|	|	1.46
2.333	3.86	0.88	0.491	O I	|	|	|	|	1.52
2.417	3.89	0.90	0.511	O I	|	|	|	|	1.57
2.500	3.90	0.92	0.532	O I	|	|	|	|	1.63
2.583	3.91	0.95	0.552	O I	|	|	|	|	1.69
2.667	3.91	0.97	0.573	O I	|	|	|	|	1.75
2.750	4.00	0.99	0.593	O I	|	|	|	|	1.81
2.833	4.22	1.01	0.614	O I	|	|	|	|	1.87
2.917	4.28	1.04	0.637	O I	|	|	|	|	1.93
3.000	4.31	1.06	0.659	O I	|	|	|	|	2.00
3.083	4.33	1.07	0.682	O I	|	|	|	|	2.05
3.167	4.43	1.09	0.704	O I	|	|	|	|	2.11
3.250	4.64	1.10	0.728	O I	|	|	|	|	2.17
3.333	4.72	1.12	0.752	O I	|	|	|	|	2.23
3.417	4.83	1.14	0.778	O I	|	|	|	|	2.29
3.500	5.15	1.15	0.804	O I	|	|	|	|	2.35
3.583	5.52	1.17	0.833	O I	|	|	|	|	2.42
3.667	5.84	1.19	0.864	O I	|	|	|	|	2.50
3.750	6.19	1.22	0.897	O I	|	|	|	|	2.58
3.833	6.81	1.24	0.933	O I	|	|	|	|	2.67
3.917	7.27	1.27	0.973	O I	|	|	|	|	2.76
4.000	7.98	1.29	1.017	O I	|	|	|	|	2.87
4.083	8.48	1.33	1.064	O I	|	|	|	|	2.99
4.167	9.44	1.35	1.117	O I	|	|	|	|	3.10
4.250	10.55	1.38	1.176	O I	|	|	|	|	3.23
4.333	11.72	1.41	1.243	O I	|	|	|	|	3.37
4.417	12.91	1.45	1.318	|O |I	|	|	|	|	3.53
4.500	13.89	1.48	1.400	|O |I	|	|	|	|	3.70
4.583	14.52	1.53	1.488	|O | I	|	|	|	|	3.89
4.667	15.57	1.57	1.581	|O | I	|	|	|	|	4.08
4.750	16.72	1.77	1.681	|O | I	|	|	|	|	4.28
4.833	17.67	2.24	1.785	|O | I	|	|	|	|	4.47
4.917	18.28	2.72	1.892	|O | I	|	|	|	|	4.67
5.000	19.31	3.21	2.001	| O | I	|	|	|	|	4.87
5.083	21.41	3.63	2.118	| O | I|	|	|	|	|	5.08
5.167	25.97	3.96	2.255	| O | | I	|	|	|	|	5.31
5.250	30.84	4.35	2.422	| O | | I	|	|	|	|	5.60
5.333	34.87	4.81	2.616	| O | | I	|	|	|	|	5.93
5.417	39.20	20.43	2.785	| | O | | I |	|	|	|	6.19
5.500	45.65	33.63	2.891	| | | O| I|	|	|	|	6.35
5.583	43.86	**40.31**	**2.944**	| | | | **O I** |	|	|	|	**6.44**
5.667	22.60	36.06	2.910	| | I| |O |	|	|	|	6.38
5.750	12.43	24.93	2.821	| I |O |	|	|	|	6.25
5.833	7.89	16.07	2.750	| I | O |	|	|	|	6.14
5.917	5.34	10.40	2.704	| I O|	|	|	|	6.07

6.000	3.44	6.79	2.675	| I O	|	|	|	6.02
6.083	2.07	4.90	2.654	|I O	|	|	|	5.99
6.167	0.63	4.84	2.630	I O	|	|	|	5.95
6.250	0.27	4.77	2.600	I O	|	|	|	5.90
6.333	0.14	4.69	2.568	I O	|	|	|	5.84
6.417	0.08	4.62	2.537	I O	|	|	|	5.79
6.500	0.03	4.55	2.506	I O	|	|	|	5.74
6.583	0.01	4.47	2.475	I O	|	|	|	5.69
6.667	0.00	4.40	2.445	I O	|	|	|	5.63
6.750	0.00	4.33	2.414	I O	|	|	|	5.58
6.833	0.00	4.26	2.385	I O	|	|	|	5.53
6.917	0.00	4.19	2.356	I O	|	|	|	5.48
7.000	0.00	4.13	2.327	I O	|	|	|	5.44
7.083	0.00	4.06	2.299	I O	|	|	|	5.39
7.167	0.00	3.99	2.271	I O	|	|	|	5.34
7.250	0.00	3.93	2.244	I O	|	|	|	5.29
7.333	0.00	3.87	2.217	I O	|	|	|	5.25
7.417	0.00	3.80	2.191	I O	|	|	|	5.20
7.500	0.00	3.74	2.165	I O	|	|	|	5.16
7.583	0.00	3.68	2.139	I O	|	|	|	5.12
7.667	0.00	3.62	2.114	I O	|	|	|	5.07
7.750	0.00	3.57	2.089	I O	|	|	|	5.03
7.833	0.00	3.50	2.065	I O	|	|	|	4.99
7.917	0.00	3.39	2.041	I O	|	|	|	4.95
8.000	0.00	3.29	2.018	I O	|	|	|	4.90
8.083	0.00	3.19	1.996	I O	|	|	|	4.86
8.167	0.00	3.09	1.974	I O	|	|	|	4.82
8.250	0.00	3.00	1.953	I O	|	|	|	4.78
8.333	0.00	2.90	1.933	I O	|	|	|	4.75
8.417	0.00	2.82	1.913	IO	|	|	|	4.71
8.500	0.00	2.73	1.894	IO	|	|	|	4.67
8.583	0.00	2.65	1.876	IO	|	|	|	4.64
8.667	0.00	2.57	1.858	IO	|	|	|	4.60
8.750	0.00	2.49	1.840	IO	|	|	|	4.57
8.833	0.00	2.41	1.823	IO	|	|	|	4.54
8.917	0.00	2.34	1.807	IO	|	|	|	4.51
9.000	0.00	2.27	1.791	IO	|	|	|	4.48
9.083	0.00	2.20	1.776	IO	|	|	|	4.45
9.167	0.00	2.13	1.761	IO	|	|	|	4.42
9.250	0.00	2.07	1.746	IO	|	|	|	4.40
9.333	0.00	2.00	1.732	IO	|	|	|	4.37
9.417	0.00	1.94	1.719	IO	|	|	|	4.35
9.500	0.00	1.88	1.706	IO	|	|	|	4.32
9.583	0.00	1.83	1.693	IO	|	|	|	4.30
9.667	0.00	1.77	1.680	IO	|	|	|	4.28
9.750	0.00	1.72	1.668	IO	|	|	|	4.25
9.833	0.00	1.67	1.657	IO	|	|	|	4.23
9.917	0.00	1.61	1.645	IO	|	|	|	4.21
10.000	0.00	1.59	1.634	IO	|	|	|	4.19
10.083	0.00	1.58	1.624	IO	|	|	|	4.17
10.167	0.00	1.58	1.613	IO	|	|	|	4.15
10.250	0.00	1.57	1.602	IO	|	|	|	4.12
10.333	0.00	1.57	1.591	IO	|	|	|	4.10
10.417	0.00	1.57	1.580	IO	|	|	|	4.08
10.500	0.00	1.56	1.569	IO	|	|	|	4.06
10.583	0.00	1.56	1.559	IO	|	|	|	4.04
10.667	0.00	1.55	1.548	IO	|	|	|	4.02
10.750	0.00	1.55	1.537	IO	|	|	|	3.99
10.833	0.00	1.54	1.527	IO	|	|	|	3.97
10.917	0.00	1.54	1.516	IO	|	|	|	3.95
11.000	0.00	1.53	1.505	IO	|	|	|	3.93
11.083	0.00	1.53	1.495	IO	|	|	|	3.90
11.167	0.00	1.52	1.484	IO	|	|	|	3.88
11.250	0.00	1.52	1.474	IO	|	|	|	3.86
11.333	0.00	1.51	1.463	IO	|	|	|	3.84
11.417	0.00	1.51	1.453	IO	|	|	|	3.81
11.500	0.00	1.50	1.443	IO	|	|	|	3.79
11.583	0.00	1.50	1.432	IO	|	|	|	3.77

11.667	0.00	1.49	1.422	IO					3.75
11.750	0.00	1.49	1.412	IO					3.73
11.833	0.00	1.49	1.401	IO					3.71
11.917	0.00	1.48	1.391	IO					3.68
12.000	0.00	1.48	1.381	IO					3.66
12.083	0.00	1.47	1.371	IO					3.64
12.167	0.00	1.47	1.361	IO					3.62
12.250	0.00	1.46	1.351	IO					3.60
12.333	0.00	1.46	1.341	IO					3.58
12.417	0.00	1.45	1.331	IO					3.55
12.500	0.00	1.45	1.321	IO					3.53
12.583	0.00	1.44	1.311	IO					3.51
12.667	0.00	1.44	1.301	IO					3.49
12.750	0.00	1.43	1.291	IO					3.47
12.833	0.00	1.43	1.281	IO					3.45
12.917	0.00	1.42	1.271	O					3.43
13.000	0.00	1.42	1.261	O					3.41
13.083	0.00	1.42	1.252	O					3.39
13.167	0.00	1.41	1.242	O					3.37
13.250	0.00	1.41	1.232	O					3.35
13.333	0.00	1.40	1.223	O					3.32
13.417	0.00	1.40	1.213	O					3.30
13.500	0.00	1.39	1.203	O					3.28
13.583	0.00	1.39	1.194	O					3.26
13.667	0.00	1.38	1.184	O					3.24
13.750	0.00	1.38	1.175	O					3.22
13.833	0.00	1.37	1.165	O					3.20
13.917	0.00	1.37	1.156	O					3.18
14.000	0.00	1.37	1.146	O					3.16
14.083	0.00	1.36	1.137	O					3.14
14.167	0.00	1.36	1.128	O					3.12
14.250	0.00	1.35	1.118	O					3.10
14.333	0.00	1.35	1.109	O					3.08
14.417	0.00	1.34	1.100	O					3.06
14.500	0.00	1.34	1.090	O					3.04
14.583	0.00	1.34	1.081	O					3.02
14.667	0.00	1.33	1.072	O					3.00
14.750	0.00	1.33	1.063	O					2.98
14.833	0.00	1.32	1.054	O					2.96
14.917	0.00	1.31	1.045	O					2.94
15.000	0.00	1.31	1.036	O					2.92
15.083	0.00	1.30	1.027	O					2.89
15.167	0.00	1.30	1.018	O					2.87
15.250	0.00	1.29	1.009	O					2.85
15.333	0.00	1.28	1.000	O					2.83
15.417	0.00	1.28	0.991	O					2.81
15.500	0.00	1.27	0.982	O					2.79
15.583	0.00	1.27	0.974	O					2.77
15.667	0.00	1.26	0.965	O					2.74
15.750	0.00	1.26	0.956	O					2.72
15.833	0.00	1.25	0.948	O					2.70
15.917	0.00	1.24	0.939	O					2.68
16.000	0.00	1.24	0.931	O					2.66
16.083	0.00	1.23	0.922	O					2.64
16.167	0.00	1.23	0.914	O					2.62
16.250	0.00	1.22	0.905	O					2.60
16.333	0.00	1.22	0.897	O					2.58
16.417	0.00	1.21	0.888	O					2.56
16.500	0.00	1.20	0.880	O					2.54
16.583	0.00	1.20	0.872	O					2.52
16.667	0.00	1.19	0.864	O					2.50
16.750	0.00	1.19	0.855	O					2.48
16.833	0.00	1.18	0.847	O					2.46
16.917	0.00	1.18	0.839	O					2.44
17.000	0.00	1.17	0.831	O					2.42
17.083	0.00	1.17	0.823	O					2.40
17.167	0.00	1.16	0.815	O					2.38
17.250	0.00	1.16	0.807	O					2.36

17.333	0.00	1.15	0.799	O					2.34
17.417	0.00	1.15	0.791	O					2.32
17.500	0.00	1.14	0.783	O					2.30
17.583	0.00	1.14	0.775	O					2.28
17.667	0.00	1.13	0.768	O					2.26
17.750	0.00	1.13	0.760	O					2.24
17.833	0.00	1.12	0.752	O					2.22
17.917	0.00	1.12	0.744	O					2.21
18.000	0.00	1.11	0.737	O					2.19
18.083	0.00	1.11	0.729	O					2.17
18.167	0.00	1.10	0.721	O					2.15
18.250	0.00	1.10	0.714	O					2.13
18.333	0.00	1.09	0.706	O					2.11
18.417	0.00	1.09	0.699	O					2.09
18.500	0.00	1.08	0.691	O					2.08
18.583	0.00	1.08	0.684	O					2.06
18.667	0.00	1.07	0.677	O					2.04
18.750	0.00	1.07	0.669	O					2.02
18.833	0.00	1.06	0.662	O					2.00
18.917	0.00	1.05	0.655	O					1.98
19.000	0.00	1.05	0.647	O					1.96
19.083	0.00	1.04	0.640	O					1.94
19.167	0.00	1.03	0.633	O					1.92
19.250	0.00	1.02	0.626	O					1.90
19.333	0.00	1.02	0.619	O					1.88
19.417	0.00	1.01	0.612	O					1.86
19.500	0.00	1.00	0.605	O					1.84
19.583	0.00	0.99	0.598	O					1.82
19.667	0.00	0.99	0.591	O					1.80
19.750	0.00	0.98	0.585	O					1.78
19.833	0.00	0.97	0.578	O					1.77
19.917	0.00	0.97	0.571	O					1.75
20.000	0.00	0.96	0.565	O					1.73
20.083	0.00	0.95	0.558	O					1.71
20.167	0.00	0.95	0.551	O					1.69
20.250	0.00	0.94	0.545	O					1.67
20.333	0.00	0.93	0.538	O					1.65
20.417	0.00	0.92	0.532	O					1.63
20.500	0.00	0.92	0.526	O					1.62
20.583	0.00	0.91	0.519	O					1.60
20.667	0.00	0.90	0.513	O					1.58
20.750	0.00	0.90	0.507	O					1.56
20.833	0.00	0.89	0.501	O					1.55
20.917	0.00	0.89	0.495	O					1.53
21.000	0.00	0.88	0.489	O					1.51
21.083	0.00	0.87	0.483	O					1.49
21.167	0.00	0.87	0.477	O					1.48
21.250	0.00	0.86	0.471	O					1.46
21.333	0.00	0.85	0.465	O					1.44
21.417	0.00	0.85	0.459	O					1.43
21.500	0.00	0.84	0.453	O					1.41
21.583	0.00	0.84	0.447	O					1.39
21.667	0.00	0.83	0.442	O					1.38
21.750	0.00	0.82	0.436	O					1.36
21.833	0.00	0.82	0.430	O					1.34
21.917	0.00	0.81	0.425	O					1.33
22.000	0.00	0.81	0.419	O					1.31
22.083	0.00	0.80	0.414	O					1.30
22.167	0.00	0.79	0.408	O					1.28
22.250	0.00	0.79	0.403	O					1.26
22.333	0.00	0.78	0.397	O					1.25
22.417	0.00	0.78	0.392	O					1.23
22.500	0.00	0.77	0.387	O					1.22
22.583	0.00	0.77	0.381	O					1.20
22.667	0.00	0.76	0.376	O					1.19
22.750	0.00	0.75	0.371	O					1.17
22.833	0.00	0.75	0.366	O					1.16
22.917	0.00	0.74	0.360	O					1.14

23.000	0.00	0.74	0.355	O	|	|	|	|	1.13
23.083	0.00	0.73	0.350	O	|	|	|	|	1.12
23.167	0.00	0.73	0.345	O	|	|	|	|	1.10
23.250	0.00	0.72	0.340	O	|	|	|	|	1.09
23.333	0.00	0.72	0.335	O	|	|	|	|	1.07
23.417	0.00	0.71	0.330	O	|	|	|	|	1.06
23.500	0.00	0.71	0.326	O	|	|	|	|	1.04
23.583	0.00	0.70	0.321	O	|	|	|	|	1.03
23.667	0.00	0.70	0.316	O	|	|	|	|	1.02
23.750	0.00	0.69	0.311	O	|	|	|	|	1.00
23.833	0.00	0.68	0.306	O	|	|	|	|	0.99
23.917	0.00	0.67	0.302	O	|	|	|	|	0.97
24.000	0.00	0.66	0.297	O	|	|	|	|	0.96
24.083	0.00	0.65	0.293	O	|	|	|	|	0.94
24.167	0.00	0.64	0.288	O	|	|	|	|	0.93
24.250	0.00	0.63	0.284	O	|	|	|	|	0.92
24.333	0.00	0.62	0.279	O	|	|	|	|	0.90
24.417	0.00	0.61	0.275	O	|	|	|	|	0.89
24.500	0.00	0.60	0.271	O	|	|	|	|	0.87
24.583	0.00	0.59	0.267	O	|	|	|	|	0.86
24.667	0.00	0.58	0.263	O	|	|	|	|	0.85
24.750	0.00	0.58	0.259	O	|	|	|	|	0.83
24.833	0.00	0.57	0.255	O	|	|	|	|	0.82
24.917	0.00	0.56	0.251	O	|	|	|	|	0.81
25.000	0.00	0.55	0.247	O	|	|	|	|	0.80
25.083	0.00	0.54	0.243	O	|	|	|	|	0.79
25.167	0.00	0.53	0.240	O	|	|	|	|	0.77
25.250	0.00	0.53	0.236	O	|	|	|	|	0.76
25.333	0.00	0.52	0.232	O	|	|	|	|	0.75
25.417	0.00	0.51	0.229	O	|	|	|	|	0.74
25.500	0.00	0.50	0.225	O	|	|	|	|	0.73
25.583	0.00	0.49	0.222	O	|	|	|	|	0.72
25.667	0.00	0.49	0.219	O	|	|	|	|	0.71
25.750	0.00	0.48	0.215	O	|	|	|	|	0.69
25.833	0.00	0.47	0.212	O	|	|	|	|	0.68
25.917	0.00	0.46	0.209	O	|	|	|	|	0.67
26.000	0.00	0.46	0.206	O	|	|	|	|	0.66
26.083	0.00	0.45	0.203	O	|	|	|	|	0.65
26.167	0.00	0.44	0.199	O	|	|	|	|	0.64
26.250	0.00	0.44	0.196	O	|	|	|	|	0.63
26.333	0.00	0.43	0.193	O	|	|	|	|	0.62
26.417	0.00	0.42	0.190	O	|	|	|	|	0.61
26.500	0.00	0.42	0.188	O	|	|	|	|	0.61
26.583	0.00	0.41	0.185	O	|	|	|	|	0.60
26.667	0.00	0.40	0.182	O	|	|	|	|	0.59
26.750	0.00	0.40	0.179	O	|	|	|	|	0.58
26.833	0.00	0.39	0.176	O	|	|	|	|	0.57
26.917	0.00	0.39	0.174	O	|	|	|	|	0.56
27.000	0.00	0.38	0.171	O	|	|	|	|	0.55
27.083	0.00	0.38	0.168	O	|	|	|	|	0.54
27.167	0.00	0.37	0.166	O	|	|	|	|	0.54
27.250	0.00	0.36	0.163	O	|	|	|	|	0.53
27.333	0.00	0.36	0.161	O	|	|	|	|	0.52
27.417	0.00	0.35	0.158	O	|	|	|	|	0.51
27.500	0.00	0.35	0.156	O	|	|	|	|	0.50
27.583	0.00	0.34	0.154	O	|	|	|	|	0.50
27.667	0.00	0.34	0.151	O	|	|	|	|	0.49
27.750	0.00	0.33	0.149	O	|	|	|	|	0.48
27.833	0.00	0.33	0.147	O	|	|	|	|	0.47
27.917	0.00	0.32	0.145	O	|	|	|	|	0.47
28.000	0.00	0.32	0.142	O	|	|	|	|	0.46
28.083	0.00	0.31	0.140	O	|	|	|	|	0.45
28.167	0.00	0.31	0.138	O	|	|	|	|	0.45
28.250	0.00	0.30	0.136	O	|	|	|	|	0.44
28.333	0.00	0.30	0.134	O	|	|	|	|	0.43
28.417	0.00	0.29	0.132	O	|	|	|	|	0.43
28.500	0.00	0.29	0.130	O	|	|	|	|	0.42
28.583	0.00	0.28	0.128	O	|	|	|	|	0.41

28.667	0.00	0.28	0.126	O	|	|	|	|	0.41
28.750	0.00	0.28	0.124	O	|	|	|	|	0.40
28.833	0.00	0.27	0.122	O	|	|	|	|	0.39
28.917	0.00	0.27	0.120	O	|	|	|	|	0.39
29.000	0.00	0.26	0.118	O	|	|	|	|	0.38
29.083	0.00	0.26	0.117	O	|	|	|	|	0.38
29.167	0.00	0.26	0.115	O	|	|	|	|	0.37
29.250	0.00	0.25	0.113	O	|	|	|	|	0.36
29.333	0.00	0.25	0.111	O	|	|	|	|	0.36
29.417	0.00	0.24	0.110	O	|	|	|	|	0.35
29.500	0.00	0.24	0.108	O	|	|	|	|	0.35
29.583	0.00	0.24	0.106	O	|	|	|	|	0.34
29.667	0.00	0.23	0.105	O	|	|	|	|	0.34
29.750	0.00	0.23	0.103	O	|	|	|	|	0.33
29.833	0.00	0.23	0.102	O	|	|	|	|	0.33
29.917	0.00	0.22	0.100	O	|	|	|	|	0.32
30.000	0.00	0.22	0.099	O	|	|	|	|	0.32
30.083	0.00	0.22	0.097	O	|	|	|	|	0.31
30.167	0.00	0.21	0.096	O	|	|	|	|	0.31
30.250	0.00	0.21	0.094	O	|	|	|	|	0.30
30.333	0.00	0.21	0.093	O	|	|	|	|	0.30
30.417	0.00	0.20	0.091	O	|	|	|	|	0.29
30.500	0.00	0.20	0.090	O	|	|	|	|	0.29
30.583	0.00	0.20	0.089	O	|	|	|	|	0.29
30.667	0.00	0.19	0.087	O	|	|	|	|	0.28
30.750	0.00	0.19	0.086	O	|	|	|	|	0.28
30.833	0.00	0.19	0.085	O	|	|	|	|	0.27
30.917	0.00	0.19	0.083	O	|	|	|	|	0.27
31.000	0.00	0.18	0.082	O	|	|	|	|	0.26
31.083	0.00	0.18	0.081	O	|	|	|	|	0.26
31.167	0.00	0.18	0.079	O	|	|	|	|	0.26
31.250	0.00	0.17	0.078	O	|	|	|	|	0.25
31.333	0.00	0.17	0.077	O	|	|	|	|	0.25
31.417	0.00	0.17	0.076	O	|	|	|	|	0.24
31.500	0.00	0.17	0.075	O	|	|	|	|	0.24
31.583	0.00	0.16	0.074	O	|	|	|	|	0.24
31.667	0.00	0.16	0.073	O	|	|	|	|	0.23
31.750	0.00	0.16	0.071	O	|	|	|	|	0.23
31.833	0.00	0.16	0.070	O	|	|	|	|	0.23
31.917	0.00	0.15	0.069	O	|	|	|	|	0.22
32.000	0.00	0.15	0.068	O	|	|	|	|	0.22
32.083	0.00	0.15	0.067	O	|	|	|	|	0.22
32.167	0.00	0.15	0.066	O	|	|	|	|	0.21
32.250	0.00	0.14	0.065	O	|	|	|	|	0.21
32.333	0.00	0.14	0.064	O	|	|	|	|	0.21
32.417	0.00	0.14	0.063	O	|	|	|	|	0.20
32.500	0.00	0.14	0.062	O	|	|	|	|	0.20
32.583	0.00	0.14	0.061	O	|	|	|	|	0.20
32.667	0.00	0.13	0.060	O	|	|	|	|	0.19
32.750	0.00	0.13	0.059	O	|	|	|	|	0.19
32.833	0.00	0.13	0.059	O	|	|	|	|	0.19
32.917	0.00	0.13	0.058	O	|	|	|	|	0.19
33.000	0.00	0.13	0.057	O	|	|	|	|	0.18
33.083	0.00	0.12	0.056	O	|	|	|	|	0.18
33.167	0.00	0.12	0.055	O	|	|	|	|	0.18
33.250	0.00	0.12	0.054	O	|	|	|	|	0.17
33.333	0.00	0.12	0.053	O	|	|	|	|	0.17
33.417	0.00	0.12	0.053	O	|	|	|	|	0.17
33.500	0.00	0.12	0.052	O	|	|	|	|	0.17
33.583	0.00	0.11	0.051	O	|	|	|	|	0.16
33.667	0.00	0.11	0.050	O	|	|	|	|	0.16
33.750	0.00	0.11	0.049	O	|	|	|	|	0.16
33.833	0.00	0.11	0.049	O	|	|	|	|	0.16
33.917	0.00	0.11	0.048	O	|	|	|	|	0.15
34.000	0.00	0.11	0.047	O	|	|	|	|	0.15
34.083	0.00	0.10	0.046	O	|	|	|	|	0.15
34.167	0.00	0.10	0.046	O	|	|	|	|	0.15
34.250	0.00	0.10	0.045	O	|	|	|	|	0.15

34.333	0.00	0.10	0.044	O	|	|	|	|	0.14
34.417	0.00	0.10	0.044	O	|	|	|	|	0.14
34.500	0.00	0.10	0.043	O	|	|	|	|	0.14
34.583	0.00	0.09	0.042	O	|	|	|	|	0.14
34.667	0.00	0.09	0.042	O	|	|	|	|	0.13
34.750	0.00	0.09	0.041	O	|	|	|	|	0.13
34.833	0.00	0.09	0.040	O	|	|	|	|	0.13
34.917	0.00	0.09	0.040	O	|	|	|	|	0.13
35.000	0.00	0.09	0.039	O	|	|	|	|	0.13
35.083	0.00	0.09	0.039	O	|	|	|	|	0.12
35.167	0.00	0.08	0.038	O	|	|	|	|	0.12
35.250	0.00	0.08	0.038	O	|	|	|	|	0.12
35.333	0.00	0.08	0.037	O	|	|	|	|	0.12
35.417	0.00	0.08	0.036	O	|	|	|	|	0.12
35.500	0.00	0.08	0.036	O	|	|	|	|	0.12
35.583	0.00	0.08	0.035	O	|	|	|	|	0.11
35.667	0.00	0.08	0.035	O	|	|	|	|	0.11
35.750	0.00	0.08	0.034	O	|	|	|	|	0.11
35.833	0.00	0.07	0.034	O	|	|	|	|	0.11
35.917	0.00	0.07	0.033	O	|	|	|	|	0.11
36.000	0.00	0.07	0.033	O	|	|	|	|	0.11
36.083	0.00	0.07	0.032	O	|	|	|	|	0.10
36.167	0.00	0.07	0.032	O	|	|	|	|	0.10
36.250	0.00	0.07	0.031	O	|	|	|	|	0.10
36.333	0.00	0.07	0.031	O	|	|	|	|	0.10
36.417	0.00	0.07	0.030	O	|	|	|	|	0.10
36.500	0.00	0.07	0.030	O	|	|	|	|	0.10
36.583	0.00	0.07	0.029	O	|	|	|	|	0.09
36.667	0.00	0.06	0.029	O	|	|	|	|	0.09
36.750	0.00	0.06	0.028	O	|	|	|	|	0.09
36.833	0.00	0.06	0.028	O	|	|	|	|	0.09
36.917	0.00	0.06	0.028	O	|	|	|	|	0.09
37.000	0.00	0.06	0.027	O	|	|	|	|	0.09
37.083	0.00	0.06	0.027	O	|	|	|	|	0.09
37.167	0.00	0.06	0.026	O	|	|	|	|	0.09
37.250	0.00	0.06	0.026	O	|	|	|	|	0.08
37.333	0.00	0.06	0.026	O	|	|	|	|	0.08
37.417	0.00	0.06	0.025	O	|	|	|	|	0.08
37.500	0.00	0.06	0.025	O	|	|	|	|	0.08
37.583	0.00	0.05	0.024	O	|	|	|	|	0.08
37.667	0.00	0.05	0.024	O	|	|	|	|	0.08
37.750	0.00	0.05	0.024	O	|	|	|	|	0.08
37.833	0.00	0.05	0.023	O	|	|	|	|	0.08
37.917	0.00	0.05	0.023	O	|	|	|	|	0.07
38.000	0.00	0.05	0.023	O	|	|	|	|	0.07
38.083	0.00	0.05	0.022	O	|	|	|	|	0.07
38.167	0.00	0.05	0.022	O	|	|	|	|	0.07
38.250	0.00	0.05	0.022	O	|	|	|	|	0.07
38.333	0.00	0.05	0.021	O	|	|	|	|	0.07
38.417	0.00	0.05	0.021	O	|	|	|	|	0.07
38.500	0.00	0.05	0.021	O	|	|	|	|	0.07
38.583	0.00	0.05	0.020	O	|	|	|	|	0.07
38.667	0.00	0.04	0.020	O	|	|	|	|	0.06
38.750	0.00	0.04	0.020	O	|	|	|	|	0.06
38.833	0.00	0.04	0.019	O	|	|	|	|	0.06
38.917	0.00	0.04	0.019	O	|	|	|	|	0.06
39.000	0.00	0.04	0.019	O	|	|	|	|	0.06
39.083	0.00	0.04	0.019	O	|	|	|	|	0.06
39.167	0.00	0.04	0.018	O	|	|	|	|	0.06
39.250	0.00	0.04	0.018	O	|	|	|	|	0.06
39.333	0.00	0.04	0.018	O	|	|	|	|	0.06
39.417	0.00	0.04	0.017	O	|	|	|	|	0.06
39.500	0.00	0.04	0.017	O	|	|	|	|	0.06
39.583	0.00	0.04	0.017	O	|	|	|	|	0.05
39.667	0.00	0.04	0.017	O	|	|	|	|	0.05
39.750	0.00	0.04	0.016	O	|	|	|	|	0.05
39.833	0.00	0.04	0.016	O	|	|	|	|	0.05
39.917	0.00	0.04	0.016	O	|	|	|	|	0.05

40.000	0.00	0.03	0.016	O					0.05
40.083	0.00	0.03	0.015	O					0.05
40.167	0.00	0.03	0.015	O					0.05
40.250	0.00	0.03	0.015	O					0.05
40.333	0.00	0.03	0.015	O					0.05
40.417	0.00	0.03	0.014	O					0.05
40.500	0.00	0.03	0.014	O					0.05
40.583	0.00	0.03	0.014	O					0.05
40.667	0.00	0.03	0.014	O					0.04
40.750	0.00	0.03	0.014	O					0.04
40.833	0.00	0.03	0.013	O					0.04
40.917	0.00	0.03	0.013	O					0.04
41.000	0.00	0.03	0.013	O					0.04
41.083	0.00	0.03	0.013	O					0.04
41.167	0.00	0.03	0.013	O					0.04
41.250	0.00	0.03	0.012	O					0.04
41.333	0.00	0.03	0.012	O					0.04
41.417	0.00	0.03	0.012	O					0.04
41.500	0.00	0.03	0.012	O					0.04
41.583	0.00	0.03	0.012	O					0.04
41.667	0.00	0.03	0.012	O					0.04
41.750	0.00	0.03	0.011	O					0.04
41.833	0.00	0.02	0.011	O					0.04
41.917	0.00	0.02	0.011	O					0.04
42.000	0.00	0.02	0.011	O					0.03
42.083	0.00	0.02	0.011	O					0.03
42.167	0.00	0.02	0.011	O					0.03
42.250	0.00	0.02	0.010	O					0.03
42.333	0.00	0.02	0.010	O					0.03
42.417	0.00	0.02	0.010	O					0.03
42.500	0.00	0.02	0.010	O					0.03
42.583	0.00	0.02	0.010	O					0.03
42.667	0.00	0.02	0.010	O					0.03
42.750	0.00	0.02	0.009	O					0.03
42.833	0.00	0.02	0.009	O					0.03
42.917	0.00	0.02	0.009	O					0.03
43.000	0.00	0.02	0.009	O					0.03
43.083	0.00	0.02	0.009	O					0.03
43.167	0.00	0.02	0.009	O					0.03
43.250	0.00	0.02	0.009	O					0.03
43.333	0.00	0.02	0.008	O					0.03
43.417	0.00	0.02	0.008	O					0.03
43.500	0.00	0.02	0.008	O					0.03
43.583	0.00	0.02	0.008	O					0.03
43.667	0.00	0.02	0.008	O					0.03
43.750	0.00	0.02	0.008	O					0.03
43.833	0.00	0.02	0.008	O					0.02
43.917	0.00	0.02	0.008	O					0.02
44.000	0.00	0.02	0.008	O					0.02
44.083	0.00	0.02	0.007	O					0.02
44.167	0.00	0.02	0.007	O					0.02
44.250	0.00	0.02	0.007	O					0.02
44.333	0.00	0.02	0.007	O					0.02
44.417	0.00	0.02	0.007	O					0.02
44.500	0.00	0.02	0.007	O					0.02
44.583	0.00	0.01	0.007	O					0.02
44.667	0.00	0.01	0.007	O					0.02
44.750	0.00	0.01	0.007	O					0.02
44.833	0.00	0.01	0.006	O					0.02
44.917	0.00	0.01	0.006	O					0.02
45.000	0.00	0.01	0.006	O					0.02
45.083	0.00	0.01	0.006	O					0.02
45.167	0.00	0.01	0.006	O					0.02
45.250	0.00	0.01	0.006	O					0.02
45.333	0.00	0.01	0.006	O					0.02
45.417	0.00	0.01	0.006	O					0.02
45.500	0.00	0.01	0.006	O					0.02
45.583	0.00	0.01	0.006	O					0.02

45.667	0.00	0.01	0.006	O					0.02
45.750	0.00	0.01	0.005	O					0.02
45.833	0.00	0.01	0.005	O					0.02
45.917	0.00	0.01	0.005	O					0.02
46.000	0.00	0.01	0.005	O					0.02
46.083	0.00	0.01	0.005	O					0.02
46.167	0.00	0.01	0.005	O					0.02
46.250	0.00	0.01	0.005	O					0.02
46.333	0.00	0.01	0.005	O					0.02
46.417	0.00	0.01	0.005	O					0.02
46.500	0.00	0.01	0.005	O					0.02
46.583	0.00	0.01	0.005	O					0.02
46.667	0.00	0.01	0.005	O					0.01
46.750	0.00	0.01	0.005	O					0.01
46.833	0.00	0.01	0.004	O					0.01
46.917	0.00	0.01	0.004	O					0.01
47.000	0.00	0.01	0.004	O					0.01
47.083	0.00	0.01	0.004	O					0.01
47.167	0.00	0.01	0.004	O					0.01
47.250	0.00	0.01	0.004	O					0.01
47.333	0.00	0.01	0.004	O					0.01
47.417	0.00	0.01	0.004	O					0.01
47.500	0.00	0.01	0.004	O					0.01
47.583	0.00	0.01	0.004	O					0.01
47.667	0.00	0.01	0.004	O					0.01
47.750	0.00	0.01	0.004	O					0.01
47.833	0.00	0.01	0.004	O					0.01
47.917	0.00	0.01	0.004	O					0.01
48.000	0.00	0.01	0.004	O					0.01
48.083	0.00	0.01	0.004	O					0.01
48.167	0.00	0.01	0.003	O					0.01
48.250	0.00	0.01	0.003	O					0.01
48.333	0.00	0.01	0.003	O					0.01
48.417	0.00	0.01	0.003	O					0.01
48.500	0.00	0.01	0.003	O					0.01
48.583	0.00	0.01	0.003	O					0.01
48.667	0.00	0.01	0.003	O					0.01
48.750	0.00	0.01	0.003	O					0.01
48.833	0.00	0.01	0.003	O					0.01
48.917	0.00	0.01	0.003	O					0.01
49.000	0.00	0.01	0.003	O					0.01
49.083	0.00	0.01	0.003	O					0.01
49.167	0.00	0.01	0.003	O					0.01
49.250	0.00	0.01	0.003	O					0.01
49.333	0.00	0.01	0.003	O					0.01
49.417	0.00	0.01	0.003	O					0.01
49.500	0.00	0.01	0.003	O					0.01
49.583	0.00	0.01	0.003	O					0.01
49.667	0.00	0.01	0.003	O					0.01
49.750	0.00	0.01	0.003	O					0.01
49.833	0.00	0.01	0.003	O					0.01
49.917	0.00	0.01	0.003	O					0.01
50.000	0.00	0.01	0.002	O					0.01
50.083	0.00	0.01	0.002	O					0.01
50.167	0.00	0.01	0.002	O					0.01
50.250	0.00	0.01	0.002	O					0.01
50.333	0.00	0.01	0.002	O					0.01
50.417	0.00	0.01	0.002	O					0.01
50.500	0.00	0.01	0.002	O					0.01
50.583	0.00	0.00	0.002	O					0.01
50.667	0.00	0.00	0.002	O					0.01
50.750	0.00	0.00	0.002	O					0.01
50.833	0.00	0.00	0.002	O					0.01
50.917	0.00	0.00	0.002	O					0.01
51.000	0.00	0.00	0.002	O					0.01
51.083	0.00	0.00	0.002	O					0.01
51.167	0.00	0.00	0.002	O					0.01
51.250	0.00	0.00	0.002	O					0.01

51.333	0.00	0.00	0.002	O	|	|	|	|	0.01
51.417	0.00	0.00	0.002	O	|	|	|	|	0.01
51.500	0.00	0.00	0.002	O	|	|	|	|	0.01
51.583	0.00	0.00	0.002	O	|	|	|	|	0.01
51.667	0.00	0.00	0.002	O	|	|	|	|	0.01
51.750	0.00	0.00	0.002	O	|	|	|	|	0.01
51.833	0.00	0.00	0.002	O	|	|	|	|	0.01
51.917	0.00	0.00	0.002	O	|	|	|	|	0.01
52.000	0.00	0.00	0.002	O	|	|	|	|	0.01
52.083	0.00	0.00	0.002	O	|	|	|	|	0.01
52.167	0.00	0.00	0.002	O	|	|	|	|	0.01
52.250	0.00	0.00	0.002	O	|	|	|	|	0.01
52.333	0.00	0.00	0.002	O	|	|	|	|	0.01
52.417	0.00	0.00	0.002	O	|	|	|	|	0.01
52.500	0.00	0.00	0.002	O	|	|	|	|	0.01
52.583	0.00	0.00	0.002	O	|	|	|	|	0.00
52.667	0.00	0.00	0.002	O	|	|	|	|	0.00
52.750	0.00	0.00	0.001	O	|	|	|	|	0.00
52.833	0.00	0.00	0.001	O	|	|	|	|	0.00
52.917	0.00	0.00	0.001	O	|	|	|	|	0.00
53.000	0.00	0.00	0.001	O	|	|	|	|	0.00
53.083	0.00	0.00	0.001	O	|	|	|	|	0.00
53.167	0.00	0.00	0.001	O	|	|	|	|	0.00
53.250	0.00	0.00	0.001	O	|	|	|	|	0.00
53.333	0.00	0.00	0.001	O	|	|	|	|	0.00
53.417	0.00	0.00	0.001	O	|	|	|	|	0.00
53.500	0.00	0.00	0.001	O	|	|	|	|	0.00
53.583	0.00	0.00	0.001	O	|	|	|	|	0.00
53.667	0.00	0.00	0.001	O	|	|	|	|	0.00
53.750	0.00	0.00	0.001	O	|	|	|	|	0.00
53.833	0.00	0.00	0.001	O	|	|	|	|	0.00
53.917	0.00	0.00	0.001	O	|	|	|	|	0.00
54.000	0.00	0.00	0.001	O	|	|	|	|	0.00
54.083	0.00	0.00	0.001	O	|	|	|	|	0.00
54.167	0.00	0.00	0.001	O	|	|	|	|	0.00
54.250	0.00	0.00	0.001	O	|	|	|	|	0.00
54.333	0.00	0.00	0.001	O	|	|	|	|	0.00
54.417	0.00	0.00	0.001	O	|	|	|	|	0.00
54.500	0.00	0.00	0.001	O	|	|	|	|	0.00
54.583	0.00	0.00	0.001	O	|	|	|	|	0.00
54.667	0.00	0.00	0.001	O	|	|	|	|	0.00
54.750	0.00	0.00	0.001	O	|	|	|	|	0.00
54.833	0.00	0.00	0.001	O	|	|	|	|	0.00
54.917	0.00	0.00	0.001	O	|	|	|	|	0.00
55.000	0.00	0.00	0.001	O	|	|	|	|	0.00
55.083	0.00	0.00	0.001	O	|	|	|	|	0.00
55.167	0.00	0.00	0.001	O	|	|	|	|	0.00
55.250	0.00	0.00	0.001	O	|	|	|	|	0.00
55.333	0.00	0.00	0.001	O	|	|	|	|	0.00
55.417	0.00	0.00	0.001	O	|	|	|	|	0.00
55.500	0.00	0.00	0.001	O	|	|	|	|	0.00
55.583	0.00	0.00	0.001	O	|	|	|	|	0.00
55.667	0.00	0.00	0.001	O	|	|	|	|	0.00
55.750	0.00	0.00	0.001	O	|	|	|	|	0.00
55.833	0.00	0.00	0.001	O	|	|	|	|	0.00
55.917	0.00	0.00	0.001	O	|	|	|	|	0.00
56.000	0.00	0.00	0.001	O	|	|	|	|	0.00
56.083	0.00	0.00	0.001	O	|	|	|	|	0.00
56.167	0.00	0.00	0.001	O	|	|	|	|	0.00
56.250	0.00	0.00	0.001	O	|	|	|	|	0.00
56.333	0.00	0.00	0.001	O	|	|	|	|	0.00
56.417	0.00	0.00	0.001	O	|	|	|	|	0.00
56.500	0.00	0.00	0.001	O	|	|	|	|	0.00
56.583	0.00	0.00	0.001	O	|	|	|	|	0.00
56.667	0.00	0.00	0.001	O	|	|	|	|	0.00
56.750	0.00	0.00	0.001	O	|	|	|	|	0.00
56.833	0.00	0.00	0.001	O	|	|	|	|	0.00
56.917	0.00	0.00	0.001	O	|	|	|	|	0.00

57.000	0.00	0.00	0.001	O	|	|	|	|	0.00
57.083	0.00	0.00	0.001	O	|	|	|	|	0.00
57.167	0.00	0.00	0.001	O	|	|	|	|	0.00
57.250	0.00	0.00	0.001	O	|	|	|	|	0.00
57.333	0.00	0.00	0.001	O	|	|	|	|	0.00
57.417	0.00	0.00	0.001	O	|	|	|	|	0.00
57.500	0.00	0.00	0.001	O	|	|	|	|	0.00
57.583	0.00	0.00	0.001	O	|	|	|	|	0.00
57.667	0.00	0.00	0.001	O	|	|	|	|	0.00
57.750	0.00	0.00	0.001	O	|	|	|	|	0.00
57.833	0.00	0.00	0.001	O	|	|	|	|	0.00
57.917	0.00	0.00	0.001	O	|	|	|	|	0.00
58.000	0.00	0.00	0.001	O	|	|	|	|	0.00
58.083	0.00	0.00	0.001	O	|	|	|	|	0.00
58.167	0.00	0.00	0.001	O	|	|	|	|	0.00
58.250	0.00	0.00	0.001	O	|	|	|	|	0.00
58.333	0.00	0.00	0.001	O	|	|	|	|	0.00
58.417	0.00	0.00	0.001	O	|	|	|	|	0.00
58.500	0.00	0.00	0.001	O	|	|	|	|	0.00
58.583	0.00	0.00	0.001	O	|	|	|	|	0.00
58.667	0.00	0.00	0.001	O	|	|	|	|	0.00
58.750	0.00	0.00	0.000	O	|	|	|	|	0.00
58.833	0.00	0.00	0.000	O	|	|	|	|	0.00
58.917	0.00	0.00	0.000	O	|	|	|	|	0.00
59.000	0.00	0.00	0.000	O	|	|	|	|	0.00
59.083	0.00	0.00	0.000	O	|	|	|	|	0.00
59.167	0.00	0.00	0.000	O	|	|	|	|	0.00
59.250	0.00	0.00	0.000	O	|	|	|	|	0.00
59.333	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 712
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 40.307 (CFS)
Total volume = 4.490 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRC2410.rte

**********HYDROGRAPH DATA**********

Number of intervals = 295
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 18.989 (CFS)
Total volume = 7.736 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN C- ROUTING
10YR-24HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 295
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.690	0.308	0.312
2.000	0.660	1.060	0.656	0.664
3.000	1.070	1.330	1.065	1.075
4.000	1.540	1.550	1.535	1.545
4.200	1.640	1.590	1.635	1.645
5.000	2.070	3.520	2.058	2.082
6.000	2.660	4.910	2.643	2.677
7.000	3.310	85.840	3.014	3.606

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	4.7	9.49	14.24	18.99	Depth (Ft.)
0.083	0.11	0.00	0.000	O	|	|	|	|	0.00
0.167	0.40	0.00	0.002	O	|	|	|	|	0.01
0.250	0.50	0.01	0.005	O	|	|	|	|	0.02
0.333	0.60	0.02	0.009	OI	|	|	|	|	0.03

0.417	0.76	0.03	0.013	OI				0.04
0.500	0.83	0.04	0.019	OI				0.06
0.583	0.86	0.05	0.024	OI				0.08
0.667	0.88	0.07	0.030	OI				0.10
0.750	0.89	0.08	0.035	OI				0.11
0.833	0.95	0.09	0.041	OI				0.13
0.917	1.10	0.11	0.047	OI				0.15
1.000	1.14	0.12	0.054	OI				0.17
1.083	1.11	0.14	0.061	OI				0.20
1.167	0.97	0.15	0.067	OI				0.22
1.250	0.94	0.16	0.073	OI				0.23
1.333	0.92	0.17	0.078	OI				0.25
1.417	0.91	0.18	0.083	OI				0.27
1.500	0.90	0.20	0.088	OI				0.28
1.583	0.90	0.21	0.093	OI				0.30
1.667	0.89	0.22	0.098	OI				0.31
1.750	0.89	0.23	0.102	OI				0.33
1.833	0.95	0.24	0.107	OI				0.34
1.917	1.10	0.25	0.112	OI				0.36
2.000	1.14	0.26	0.118	OI				0.38
2.083	1.16	0.28	0.124	OI				0.40
2.167	1.18	0.29	0.130	OI				0.42
2.250	1.18	0.30	0.137	OI				0.44
2.333	1.19	0.32	0.143	O I				0.46
2.417	1.19	0.33	0.149	O I				0.48
2.500	1.19	0.34	0.154	O I				0.50
2.583	1.25	0.36	0.160	O I				0.52
2.667	1.39	0.37	0.167	O I				0.54
2.750	1.44	0.39	0.174	O I				0.56
2.833	1.46	0.40	0.181	O I				0.59
2.917	1.47	0.42	0.189	O I				0.61
3.000	1.48	0.44	0.196	O I				0.63
3.083	1.49	0.45	0.203	O I				0.66
3.167	1.49	0.47	0.210	O I				0.68
3.250	1.49	0.48	0.217	O I				0.70
3.333	1.49	0.50	0.224	O I				0.72
3.417	1.49	0.51	0.231	O I				0.74
3.500	1.49	0.53	0.238	O I				0.77
3.583	1.49	0.54	0.244	O I				0.79
3.667	1.49	0.56	0.251	O I				0.81
3.750	1.49	0.57	0.257	O I				0.83
3.833	1.55	0.59	0.263	O I				0.85
3.917	1.69	0.60	0.271	|OI				0.87
4.000	1.74	0.62	0.278	|OI				0.90
4.083	1.76	0.64	0.286	|OI				0.92
4.167	1.77	0.65	0.294	|OI				0.95
4.250	1.78	0.67	0.301	|OI				0.97
4.333	1.84	0.69	0.309	|O I				1.00
4.417	1.99	0.70	0.317	|O I				1.02
4.500	2.04	0.71	0.327	|O I				1.05
4.583	2.06	0.72	0.336	|O I				1.07
4.667	2.07	0.73	0.345	|O I				1.10
4.750	2.08	0.74	0.354	|O I				1.13
4.833	2.14	0.75	0.364	|O I				1.15
4.917	2.29	0.76	0.374	|O I				1.18
5.000	2.34	0.77	0.384	|O I				1.21
5.083	2.24	0.78	0.395	|O I				1.24
5.167	1.96	0.79	0.404	|O I				1.27
5.250	1.88	0.80	0.412	|O I				1.29
5.333	1.90	0.81	0.419	|O I				1.31
5.417	2.03	0.81	0.427	|O I				1.33
5.500	2.06	0.82	0.436	|O I				1.36
5.583	2.13	0.83	0.444	|O I				1.38
5.667	2.27	0.84	0.454	|O I				1.41
5.750	2.33	0.85	0.464	|O I				1.44
5.833	2.35	0.86	0.474	|O I				1.47
5.917	2.37	0.87	0.484	|O I				1.50
6.000	2.38	0.88	0.494	|O I				1.53
6.083	2.44	0.90	0.505	|O I				1.56

6.167	2.59	0.91	0.516	O I				1.59
6.250	2.63	0.92	0.528	O I				1.62
6.333	2.66	0.93	0.539	O I				1.66
6.417	2.67	0.95	0.551	O I				1.69
6.500	2.67	0.96	0.563	O I				1.72
6.583	2.74	0.97	0.575	O I				1.76
6.667	2.89	0.98	0.588	O I				1.79
6.750	2.93	1.00	0.601	O I				1.83
6.833	2.95	1.01	0.614	O I				1.87
6.917	2.97	1.03	0.628	O I				1.91
7.000	2.97	1.04	0.641	O I				1.95
7.083	2.98	1.05	0.654	O I				1.98
7.167	2.98	1.06	0.668	O I				2.02
7.250	2.98	1.07	0.681	O I				2.05
7.333	3.04	1.08	0.694	O I				2.08
7.417	3.18	1.09	0.708	O I				2.12
7.500	3.23	1.10	0.723	O I				2.15
7.583	3.31	1.11	0.737	O I				2.19
7.667	3.47	1.12	0.753	O I				2.23
7.750	3.52	1.13	0.769	O I				2.27
7.833	3.60	1.14	0.786	O I				2.31
7.917	3.76	1.15	0.803	O I				2.35
8.000	3.82	1.17	0.822	O I				2.39
8.083	3.96	1.18	0.840	O I				2.44
8.167	4.26	1.19	0.860	O I				2.49
8.250	4.36	1.21	0.882	O I				2.54
8.333	4.41	1.22	0.904	O I				2.59
8.417	4.44	1.24	0.926	O I				2.65
8.500	4.45	1.25	0.948	O I				2.70
8.583	4.52	1.26	0.970	O I				2.76
8.667	4.68	1.28	0.993	O I				2.81
8.750	4.72	1.29	1.017	O I				2.87
8.833	4.80	1.31	1.040	O I				2.93
8.917	4.96	1.33	1.065	O I				2.99
9.000	5.01	1.34	1.090	O I				3.04
9.083	5.15	1.35	1.116	O I				3.10
9.167	5.46	1.36	1.143	O I				3.16
9.250	5.56	1.38	1.171	O I				3.22
9.333	5.66	1.39	1.200	O I				3.28
9.417	5.83	1.41	1.230	O I				3.34
9.500	5.90	1.42	1.261	O I				3.41
9.583	5.98	1.43	1.292	O I				3.47
9.667	6.15	1.45	1.324	O I				3.54
9.750	6.20	1.46	1.357	O I				3.61
9.833	6.29	1.48	1.389	O I				3.68
9.917	6.48	1.50	1.423	O I				3.75
10.000	6.58	1.51	1.458	O I				3.83
10.083	6.22	1.53	1.491	O I				3.90
10.167	5.16	1.54	1.520	O I				3.96
10.250	4.83	1.55	1.544	O I				4.01
10.333	4.68	1.56	1.566	O I				4.05
10.417	4.60	1.57	1.587	O I				4.09
10.500	4.54	1.58	1.608	O I				4.14
10.583	4.80	1.59	1.629	O I				4.18
10.667	5.48	1.65	1.653	O I				4.22
10.750	5.72	1.77	1.680	O I				4.27
10.833	5.82	1.89	1.707	O I				4.32
10.917	5.88	2.01	1.734	O I				4.37
11.000	5.92	2.13	1.760	O I				4.42
11.083	5.88	2.24	1.786	O I				4.47
11.167	5.76	2.35	1.810	O I				4.52
11.250	5.72	2.46	1.833	O I				4.56
11.333	5.69	2.56	1.855	O I				4.60
11.417	5.68	2.65	1.876	O I				4.64
11.500	5.68	2.74	1.897	O I				4.68
11.583	5.56	2.83	1.916	O I				4.71
11.667	5.26	2.91	1.934	O I				4.75
11.750	5.17	2.98	1.950	O I				4.78
11.833	5.18	3.05	1.964	O I				4.80

11.917	5.31	3.11	1.979	O I				4.83
12.000	5.34	3.18	1.994	O I				4.86
12.083	6.37	3.26	2.012	O I				4.89
12.167	8.95	3.40	2.042	O I				4.95
12.250	9.81	3.55	2.083	O I				5.02
12.333	10.40	3.66	2.128	O I				5.10
12.417	11.07	3.77	2.176	O I				5.18
12.500	11.39	3.89	2.227	O I				5.27
12.583	11.92	4.02	2.280	O I				5.36
12.667	12.91	4.15	2.338	O I				5.45
12.750	13.25	4.29	2.398	O I				5.56
12.833	13.59	4.44	2.461	O I				5.66
12.917	14.14	4.59	2.525	O I				5.77
13.000	14.37	4.75	2.591	O I				5.88
13.083	15.33	4.93	2.660	O I				6.00
13.167	17.50	11.82	2.716	O	I			6.09
13.250	18.23	15.45	2.745	O	I			6.13
13.333	18.60	17.23	2.759	O	I			6.15
13.417	18.83	18.12	2.766	O	I			6.16
13.500	18.99	**18.59**	**2.770**	O	I			**6.17**
13.583	17.30	18.32	2.768	O	I			6.17
13.667	12.88	16.38	2.752	O	I			6.14
13.750	11.47	13.86	2.732	O	I			6.11
13.833	10.86	12.24	2.719	O	I			6.09
13.917	10.54	11.32	2.711	O	I			6.08
14.000	10.35	10.79	2.707	O	I			6.07
14.083	10.90	10.69	2.706	O	I			6.07
14.167	12.46	11.29	2.711	O	I			6.08
14.250	13.04	12.16	2.718	O	I			6.09
14.333	13.16	12.72	2.723	O	I			6.10
14.417	12.93	12.92	2.724	O	I			6.10
14.500	12.93	12.93	2.724	O	I			6.10
14.583	12.97	12.94	2.725	O	I			6.10
14.667	13.04	12.98	2.725	O	I			6.10
14.750	13.06	13.02	2.725	O	I			6.10
14.833	12.93	13.01	2.725	O	I			6.10
14.917	12.55	12.85	2.724	O	I			6.10
15.000	12.47	12.65	2.722	O	I			6.10
15.083	12.29	12.49	2.721	O	I			6.09
15.167	11.89	12.25	2.719	O	I			6.09
15.250	11.78	12.00	2.717	O	I			6.09
15.333	11.59	11.81	2.715	O	I			6.09
15.417	11.17	11.55	2.713	O	I			6.08
15.500	11.06	11.29	2.711	O	I			6.08
15.583	10.38	10.95	2.709	O	I			6.07
15.667	8.73	10.11	2.702	O	I			6.06
15.750	8.22	9.13	2.694	O	I			6.05
15.833	8.01	8.52	2.689	O	I			6.04
15.917	7.91	8.18	2.686	O	I			6.04
16.000	7.86	8.00	2.685	O	I			6.04
16.083	6.56	7.53	2.681	O	I			6.03
16.167	3.32	5.98	2.669	O	I			6.01
16.250	2.29	4.89	2.650	O	I			5.98
16.333	1.83	4.84	2.631	O	I			5.95
16.417	1.57	4.79	2.610	O	I			5.91
16.500	1.40	4.74	2.587	O	I			5.88
16.583	1.24	4.68	2.564	O	I			5.84
16.667	0.99	4.63	2.539	O	I			5.80
16.750	0.94	4.57	2.514	O	I			5.75
16.833	0.92	4.51	2.490	O	I			5.71
16.917	0.91	4.45	2.465	O	I			5.67
17.000	0.90	4.39	2.441	O	I			5.63
17.083	1.01	4.34	2.417	O	I			5.59
17.167	1.30	4.29	2.396	O	I			5.55
17.250	1.39	4.24	2.375	O	I			5.52
17.333	1.43	4.19	2.356	O	I			5.49
17.417	1.46	4.15	2.337	O	I			5.45
17.500	1.47	4.11	2.319	O	I			5.42
17.583	1.48	4.06	2.301	O	I			5.39

17.667	1.49	4.02	2.283	| I O |	|	|	|	5.36
17.750	1.49	3.98	2.266	| I O |	|	|	|	5.33
17.833	1.43	3.94	2.249	| I O |	|	|	|	5.30
17.917	1.29	3.90	2.231	| I O |	|	|	|	5.27
18.000	1.24	3.86	2.213	| I O |	|	|	|	5.24
18.083	1.22	3.82	2.195	| I O |	|	|	|	5.21
18.167	1.21	3.77	2.178	| I O |	|	|	|	5.18
18.250	1.20	3.73	2.160	| I O |	|	|	|	5.15
18.333	1.20	3.69	2.143	| I O |	|	|	|	5.12
18.417	1.19	3.65	2.126	| I O |	|	|	|	5.09
18.500	1.19	3.61	2.109	| I O |	|	|	|	5.07
18.583	1.14	3.57	2.092	|I O |	|	|	|	5.04
18.667	0.99	3.53	2.075	|I O |	|	|	|	5.01
18.750	0.94	3.46	2.058	|I O |	|	|	|	4.98
18.833	0.87	3.39	2.040	|I O |	|	|	|	4.94
18.917	0.71	3.31	2.023	|I O |	|	|	|	4.91
19.000	0.66	3.23	2.005	|I O |	|	|	|	4.88
19.083	0.69	3.15	1.988	|I O |	|	|	|	4.85
19.167	0.82	3.08	1.971	|I O |	|	|	|	4.82
19.250	0.85	3.01	1.956	|I O |	|	|	|	4.79
19.333	0.93	2.94	1.942	|I O |	|	|	|	4.76
19.417	1.08	2.89	1.929	|I O |	|	|	|	4.74
19.500	1.13	2.83	1.916	|I O |	|	|	|	4.71
19.583	1.10	2.78	1.905	|I O |	|	|	|	4.69
19.667	0.97	2.73	1.893	|I O |	|	|	|	4.67
19.750	0.94	2.67	1.881	|I O |	|	|	|	4.65
19.833	0.86	2.62	1.869	|I O |	|	|	|	4.63
19.917	0.71	2.56	1.857	|I O |	|	|	|	4.60
20.000	0.66	2.50	1.844	|I O |	|	|	|	4.58
20.083	0.69	2.45	1.831	|I O |	|	|	|	4.56
20.167	0.82	2.40	1.820	|I O |	|	|	|	4.53
20.250	0.85	2.35	1.809	|I O |	|	|	|	4.51
20.333	0.87	2.30	1.799	|I O |	|	|	|	4.50
20.417	0.88	2.26	1.789	|I O |	|	|	|	4.48
20.500	0.89	2.22	1.780	|I O |	|	|	|	4.46
20.583	0.89	2.18	1.771	|I O |	|	|	|	4.44
20.667	0.89	2.14	1.762	|I O |	|	|	|	4.43
20.750	0.89	2.10	1.754	|I O |	|	|	|	4.41
20.833	0.84	2.06	1.746	|I O |	|	|	|	4.40
20.917	0.69	2.02	1.737	|I O |	|	|	|	4.38
21.000	0.65	1.98	1.728	|I O |	|	|	|	4.36
21.083	0.68	1.94	1.719	|I O |	|	|	|	4.35
21.167	0.82	1.91	1.711	|I O |	|	|	|	4.33
21.250	0.85	1.87	1.703	|I O |	|	|	|	4.32
21.333	0.81	1.84	1.696	|I O |	|	|	|	4.30
21.417	0.68	1.81	1.689	|I O |	|	|	|	4.29
21.500	0.64	1.77	1.681	|IO |	|	|	|	4.28
21.583	0.68	1.74	1.673	|IO |	|	|	|	4.26
21.667	0.82	1.71	1.667	|IO |	|	|	|	4.25
21.750	0.85	1.68	1.661	|IO |	|	|	|	4.24
21.833	0.81	1.66	1.655	|IO |	|	|	|	4.23
21.917	0.68	1.63	1.649	|IO |	|	|	|	4.22
22.000	0.64	1.60	1.642	|IO |	|	|	|	4.20
22.083	0.68	1.59	1.636	|IO |	|	|	|	4.19
22.167	0.82	1.59	1.630	|IO |	|	|	|	4.18
22.250	0.85	1.58	1.625	|IO |	|	|	|	4.17
22.333	0.81	1.58	1.620	|IO |	|	|	|	4.16
22.417	0.68	1.58	1.614	|IO |	|	|	|	4.15
22.500	0.64	1.58	1.607	|IO |	|	|	|	4.13
22.583	0.62	1.57	1.601	|IO |	|	|	|	4.12
22.667	0.61	1.57	1.594	|IO |	|	|	|	4.11
22.750	0.61	1.57	1.588	|IO |	|	|	|	4.10
22.833	0.60	1.57	1.581	|IO |	|	|	|	4.08
22.917	0.60	1.56	1.574	|IO |	|	|	|	4.07
23.000	0.60	1.56	1.568	|IO |	|	|	|	4.06
23.083	0.60	1.56	1.561	|IO |	|	|	|	4.04
23.167	0.60	1.56	1.555	|IO |	|	|	|	4.03
23.250	0.60	1.55	1.548	|IO |	|	|	|	4.02
23.333	0.60	1.55	1.541	|IO |	|	|	|	4.00

23.417	0.60	1.55	1.535	|IO	|	|	|	3.99
23.500	0.60	1.54	1.528	|IO	|	|	|	3.98
23.583	0.60	1.54	1.522	|IO	|	|	|	3.96
23.667	0.60	1.54	1.515	|IO	|	|	|	3.95
23.750	0.60	1.54	1.509	|IO	|	|	|	3.93
23.833	0.60	1.53	1.502	|IO	|	|	|	3.92
23.917	0.60	1.53	1.496	|IO	|	|	|	3.91
24.000	0.60	1.53	1.489	|IO	|	|	|	3.89
24.083	0.48	1.52	1.483	I O	|	|	|	3.88
24.167	0.19	1.52	1.475	I O	|	|	|	3.86
24.250	0.10	1.51	1.465	I O	|	|	|	3.84
24.333	0.06	1.51	1.455	I O	|	|	|	3.82
24.417	0.03	1.51	1.445	I O	|	|	|	3.80
24.500	0.02	1.50	1.435	I O	|	|	|	3.78
24.583	0.01	1.50	1.425	I O	|	|	|	3.75
24.667	0.00	1.49	1.414	I O	|	|	|	3.73
24.750	0.00	1.49	1.404	I O	|	|	|	3.71
24.833	0.00	1.48	1.394	I O	|	|	|	3.69
24.917	0.00	1.48	1.384	I O	|	|	|	3.67
25.000	0.00	1.47	1.374	I O	|	|	|	3.65
25.083	0.00	1.47	1.364	I O	|	|	|	3.62
25.167	0.00	1.46	1.353	I O	|	|	|	3.60
25.250	0.00	1.46	1.343	I O	|	|	|	3.58
25.333	0.00	1.45	1.333	I O	|	|	|	3.56
25.417	0.00	1.45	1.323	I O	|	|	|	3.54
25.500	0.00	1.44	1.313	I O	|	|	|	3.52
25.583	0.00	1.44	1.303	I O	|	|	|	3.50
25.667	0.00	1.43	1.294	I O	|	|	|	3.48
25.750	0.00	1.43	1.284	I O	|	|	|	3.45
25.833	0.00	1.43	1.274	I O	|	|	|	3.43
25.917	0.00	1.42	1.264	I O	|	|	|	3.41
26.000	0.00	1.42	1.254	I O	|	|	|	3.39
26.083	0.00	1.41	1.245	I O	|	|	|	3.37
26.167	0.00	1.41	1.235	I O	|	|	|	3.35
26.250	0.00	1.40	1.225	I O	|	|	|	3.33
26.333	0.00	1.40	1.216	I O	|	|	|	3.31
26.417	0.00	1.39	1.206	I O	|	|	|	3.29
26.500	0.00	1.39	1.196	I O	|	|	|	3.27
26.583	0.00	1.38	1.187	I O	|	|	|	3.25
26.667	0.00	1.38	1.177	I O	|	|	|	3.23
26.750	0.00	1.38	1.168	I O	|	|	|	3.21
26.833	0.00	1.37	1.158	I O	|	|	|	3.19
26.917	0.00	1.37	1.149	I O	|	|	|	3.17
27.000	0.00	1.36	1.140	I O	|	|	|	3.15
27.083	0.00	1.36	1.130	I O	|	|	|	3.13
27.167	0.00	1.35	1.121	I O	|	|	|	3.11
27.250	0.00	1.35	1.111	I O	|	|	|	3.09
27.333	0.00	1.35	1.102	I O	|	|	|	3.07
27.417	0.00	1.34	1.093	I O	|	|	|	3.05
27.500	0.00	1.34	1.084	I O	|	|	|	3.03
27.583	0.00	1.33	1.075	I O	|	|	|	3.01
27.667	0.00	1.33	1.065	I O	|	|	|	2.99
27.750	0.00	1.32	1.056	I O	|	|	|	2.97
27.833	0.00	1.31	1.047	I O	|	|	|	2.94
27.917	0.00	1.31	1.038	I O	|	|	|	2.92
28.000	0.00	1.30	1.029	I O	|	|	|	2.90
28.083	0.00	1.30	1.020	I O	|	|	|	2.88
28.167	0.00	1.29	1.011	I O	|	|	|	2.86
28.250	0.00	1.29	1.002	I O	|	|	|	2.84
28.333	0.00	1.28	0.994	I O	|	|	|	2.81
28.417	0.00	1.27	0.985	I O	|	|	|	2.79
28.500	0.00	1.27	0.976	I O	|	|	|	2.77
28.583	0.00	1.26	0.967	I O	|	|	|	2.75
28.667	0.00	1.26	0.959	I O	|	|	|	2.73
28.750	0.00	1.25	0.950	I O	|	|	|	2.71
28.833	0.00	1.25	0.941	I O	|	|	|	2.69
28.917	0.00	1.24	0.933	I O	|	|	|	2.67
29.000	0.00	1.23	0.924	I O	|	|	|	2.64
29.083	0.00	1.23	0.916	I O	|	|	|	2.62

29.167	0.00	1.22	0.907	I O				2.60
29.250	0.00	1.22	0.899	I O				2.58
29.333	0.00	1.21	0.891	I O				2.56
29.417	0.00	1.21	0.882	I O				2.54
29.500	0.00	1.20	0.874	I O				2.52
29.583	0.00	1.20	0.866	I O				2.50
29.667	0.00	1.19	0.858	I O				2.48
29.750	0.00	1.18	0.849	IO				2.46
29.833	0.00	1.18	0.841	IO				2.44
29.917	0.00	1.17	0.833	IO				2.42
30.000	0.00	1.17	0.825	IO				2.40
30.083	0.00	1.16	0.817	IO				2.38
30.167	0.00	1.16	0.809	IO				2.36
30.250	0.00	1.15	0.801	IO				2.34
30.333	0.00	1.15	0.793	IO				2.32
30.417	0.00	1.14	0.785	IO				2.31
30.500	0.00	1.14	0.777	IO				2.29
30.583	0.00	1.13	0.770	IO				2.27
30.667	0.00	1.13	0.762	IO				2.25
30.750	0.00	1.12	0.754	IO				2.23
30.833	0.00	1.12	0.746	IO				2.21
30.917	0.00	1.11	0.739	IO				2.19
31.000	0.00	1.11	0.731	IO				2.17
31.083	0.00	1.10	0.723	IO				2.15
31.167	0.00	1.10	0.716	IO				2.14
31.250	0.00	1.09	0.708	IO				2.12
31.333	0.00	1.09	0.701	IO				2.10
31.417	0.00	1.08	0.693	IO				2.08
31.500	0.00	1.08	0.686	IO				2.06
31.583	0.00	1.07	0.679	IO				2.05
31.667	0.00	1.07	0.671	IO				2.03
31.750	0.00	1.06	0.664	IO				2.01
31.833	0.00	1.06	0.657	IO				1.99
31.917	0.00	1.05	0.649	IO				1.97
32.000	0.00	1.04	0.642	IO				1.95
32.083	0.00	1.03	0.635	IO				1.93
32.167	0.00	1.03	0.628	IO				1.91
32.250	0.00	1.02	0.621	IO				1.89
32.333	0.00	1.01	0.614	IO				1.87
32.417	0.00	1.00	0.607	IO				1.85
32.500	0.00	1.00	0.600	IO				1.83
32.583	0.00	0.99	0.593	IO				1.81
32.667	0.00	0.98	0.586	IO				1.79
32.750	0.00	0.98	0.580	IO				1.77
32.833	0.00	0.97	0.573	IO				1.75
32.917	0.00	0.96	0.566	IO				1.73
33.000	0.00	0.95	0.560	IO				1.71
33.083	0.00	0.95	0.553	IO				1.69
33.167	0.00	0.94	0.547	IO				1.68
33.250	0.00	0.93	0.540	IO				1.66
33.333	0.00	0.93	0.534	IO				1.64
33.417	0.00	0.92	0.527	IO				1.62
33.500	0.00	0.91	0.521	IO				1.60
33.583	0.00	0.91	0.515	IO				1.59
33.667	0.00	0.90	0.509	IO				1.57
33.750	0.00	0.89	0.502	IO				1.55
33.833	0.00	0.89	0.496	IO				1.53
33.917	0.00	0.88	0.490	IO				1.52
34.000	0.00	0.87	0.484	IO				1.50
34.083	0.00	0.87	0.478	IO				1.48
34.167	0.00	0.86	0.472	IO				1.46
34.250	0.00	0.86	0.466	IO				1.45
34.333	0.00	0.85	0.461	IO				1.43
34.417	0.00	0.84	0.455	IO				1.41
34.500	0.00	0.84	0.449	IO				1.40
34.583	0.00	0.83	0.443	IO				1.38
34.667	0.00	0.82	0.437	IO				1.36
34.750	0.00	0.82	0.432	IO				1.35
34.833	0.00	0.81	0.426	IO				1.33

34.917	0.00	0.81	0.421	IO					1.32
35.000	0.00	0.80	0.415	IO					1.30
35.083	0.00	0.80	0.410	IO					1.28
35.167	0.00	0.79	0.404	IO					1.27
35.250	0.00	0.78	0.399	IO					1.25
35.333	0.00	0.78	0.393	IO					1.24
35.417	0.00	0.77	0.388	IO					1.22
35.500	0.00	0.77	0.383	IO					1.21
35.583	0.00	0.76	0.377	IO					1.19
35.667	0.00	0.76	0.372	IO					1.18
35.750	0.00	0.75	0.367	IO					1.16
35.833	0.00	0.74	0.362	IO					1.15
35.917	0.00	0.74	0.357	IO					1.13
36.000	0.00	0.73	0.352	IO					1.12
36.083	0.00	0.73	0.347	IO					1.10
36.167	0.00	0.72	0.342	IO					1.09
36.250	0.00	0.72	0.337	IO					1.08
36.333	0.00	0.71	0.332	IO					1.06
36.417	0.00	0.71	0.327	IO					1.05
36.500	0.00	0.70	0.322	IO					1.03
36.583	0.00	0.70	0.317	IO					1.02
36.667	0.00	0.69	0.312	IO					1.01
36.750	0.00	0.68	0.308	IO					0.99
36.833	0.00	0.67	0.303	IO					0.98
36.917	0.00	0.66	0.298	IO					0.96
37.000	0.00	0.65	0.294	IO					0.95
37.083	0.00	0.64	0.289	IO					0.93
37.167	0.00	0.63	0.285	IO					0.92
37.250	0.00	0.62	0.281	IO					0.91
37.333	0.00	0.62	0.276	IO					0.89
37.417	0.00	0.61	0.272	IO					0.88
37.500	0.00	0.60	0.268	IO					0.86
37.583	0.00	0.59	0.264	O					0.85
37.667	0.00	0.58	0.260	O					0.84
37.750	0.00	0.57	0.256	O					0.83
37.833	0.00	0.56	0.252	O					0.81
37.917	0.00	0.55	0.248	O					0.80
38.000	0.00	0.54	0.244	O					0.79
38.083	0.00	0.54	0.241	O					0.78
38.167	0.00	0.53	0.237	O					0.76
38.250	0.00	0.52	0.233	O					0.75
38.333	0.00	0.51	0.230	O					0.74
38.417	0.00	0.50	0.226	O					0.73
38.500	0.00	0.50	0.223	O					0.72
38.583	0.00	0.49	0.220	O					0.71
38.667	0.00	0.48	0.216	O					0.70
38.750	0.00	0.47	0.213	O					0.69
38.833	0.00	0.47	0.210	O					0.68
38.917	0.00	0.46	0.207	O					0.67
39.000	0.00	0.45	0.203	O					0.66
39.083	0.00	0.45	0.200	O					0.65
39.167	0.00	0.44	0.197	O					0.64
39.250	0.00	0.43	0.194	O					0.63
39.333	0.00	0.43	0.191	O					0.62
39.417	0.00	0.42	0.188	O					0.61
39.500	0.00	0.41	0.185	O					0.60
39.583	0.00	0.41	0.183	O					0.59
39.667	0.00	0.40	0.180	O					0.58
39.750	0.00	0.39	0.177	O					0.57
39.833	0.00	0.39	0.174	O					0.56
39.917	0.00	0.38	0.172	O					0.55
40.000	0.00	0.38	0.169	O					0.55
40.083	0.00	0.37	0.167	O					0.54
40.167	0.00	0.37	0.164	O					0.53
40.250	0.00	0.36	0.162	O					0.52
40.333	0.00	0.35	0.159	O					0.51
40.417	0.00	0.35	0.157	O					0.51
40.500	0.00	0.34	0.154	O					0.50
40.583	0.00	0.34	0.152	O					0.49

40.667	0.00	0.33	0.150	O	|	|	|	|	0.48
40.750	0.00	0.33	0.147	O	|	|	|	|	0.48
40.833	0.00	0.32	0.145	O	|	|	|	|	0.47
40.917	0.00	0.32	0.143	O	|	|	|	|	0.46
41.000	0.00	0.31	0.141	O	|	|	|	|	0.45
41.083	0.00	0.31	0.139	O	|	|	|	|	0.45
41.167	0.00	0.30	0.137	O	|	|	|	|	0.44
41.250	0.00	0.30	0.134	O	|	|	|	|	0.43
41.333	0.00	0.29	0.132	O	|	|	|	|	0.43
41.417	0.00	0.29	0.130	O	|	|	|	|	0.42
41.500	0.00	0.29	0.128	O	|	|	|	|	0.41
41.583	0.00	0.28	0.126	O	|	|	|	|	0.41
41.667	0.00	0.28	0.125	O	|	|	|	|	0.40
41.750	0.00	0.27	0.123	O	|	|	|	|	0.40
41.833	0.00	0.27	0.121	O	|	|	|	|	0.39
41.917	0.00	0.26	0.119	O	|	|	|	|	0.38
42.000	0.00	0.26	0.117	O	|	|	|	|	0.38
42.083	0.00	0.26	0.115	O	|	|	|	|	0.37
42.167	0.00	0.25	0.114	O	|	|	|	|	0.37
42.250	0.00	0.25	0.112	O	|	|	|	|	0.36
42.333	0.00	0.25	0.110	O	|	|	|	|	0.36
42.417	0.00	0.24	0.108	O	|	|	|	|	0.35
42.500	0.00	0.24	0.107	O	|	|	|	|	0.34
42.583	0.00	0.23	0.105	O	|	|	|	|	0.34
42.667	0.00	0.23	0.104	O	|	|	|	|	0.33
42.750	0.00	0.23	0.102	O	|	|	|	|	0.33
42.833	0.00	0.22	0.100	O	|	|	|	|	0.32
42.917	0.00	0.22	0.099	O	|	|	|	|	0.32
43.000	0.00	0.22	0.097	O	|	|	|	|	0.31
43.083	0.00	0.21	0.096	O	|	|	|	|	0.31
43.167	0.00	0.21	0.094	O	|	|	|	|	0.30
43.250	0.00	0.21	0.093	O	|	|	|	|	0.30
43.333	0.00	0.20	0.092	O	|	|	|	|	0.30
43.417	0.00	0.20	0.090	O	|	|	|	|	0.29
43.500	0.00	0.20	0.089	O	|	|	|	|	0.29
43.583	0.00	0.19	0.088	O	|	|	|	|	0.28
43.667	0.00	0.19	0.086	O	|	|	|	|	0.28
43.750	0.00	0.19	0.085	O	|	|	|	|	0.27
43.833	0.00	0.19	0.084	O	|	|	|	|	0.27
43.917	0.00	0.18	0.082	O	|	|	|	|	0.27
44.000	0.00	0.18	0.081	O	|	|	|	|	0.26
44.083	0.00	0.18	0.080	O	|	|	|	|	0.26
44.167	0.00	0.17	0.079	O	|	|	|	|	0.25
44.250	0.00	0.17	0.077	O	|	|	|	|	0.25
44.333	0.00	0.17	0.076	O	|	|	|	|	0.25
44.417	0.00	0.17	0.075	O	|	|	|	|	0.24
44.500	0.00	0.16	0.074	O	|	|	|	|	0.24
44.583	0.00	0.16	0.073	O	|	|	|	|	0.23
44.667	0.00	0.16	0.072	O	|	|	|	|	0.23
44.750	0.00	0.16	0.071	O	|	|	|	|	0.23
44.833	0.00	0.15	0.070	O	|	|	|	|	0.22
44.917	0.00	0.15	0.068	O	|	|	|	|	0.22
45.000	0.00	0.15	0.067	O	|	|	|	|	0.22
45.083	0.00	0.15	0.066	O	|	|	|	|	0.21
45.167	0.00	0.15	0.065	O	|	|	|	|	0.21
45.250	0.00	0.14	0.064	O	|	|	|	|	0.21
45.333	0.00	0.14	0.063	O	|	|	|	|	0.20
45.417	0.00	0.14	0.062	O	|	|	|	|	0.20
45.500	0.00	0.14	0.062	O	|	|	|	|	0.20
45.583	0.00	0.13	0.061	O	|	|	|	|	0.20
45.667	0.00	0.13	0.060	O	|	|	|	|	0.19
45.750	0.00	0.13	0.059	O	|	|	|	|	0.19
45.833	0.00	0.13	0.058	O	|	|	|	|	0.19
45.917	0.00	0.13	0.057	O	|	|	|	|	0.18
46.000	0.00	0.12	0.056	O	|	|	|	|	0.18
46.083	0.00	0.12	0.055	O	|	|	|	|	0.18
46.167	0.00	0.12	0.054	O	|	|	|	|	0.18
46.250	0.00	0.12	0.054	O	|	|	|	|	0.17
46.333	0.00	0.12	0.053	O	|	|	|	|	0.17

46.417	0.00	0.12	0.052	O	|	|	|	|	0.17
46.500	0.00	0.11	0.051	O	|	|	|	|	0.17
46.583	0.00	0.11	0.050	O	|	|	|	|	0.16
46.667	0.00	0.11	0.050	O	|	|	|	|	0.16
46.750	0.00	0.11	0.049	O	|	|	|	|	0.16
46.833	0.00	0.11	0.048	O	|	|	|	|	0.16
46.917	0.00	0.11	0.047	O	|	|	|	|	0.15
47.000	0.00	0.10	0.047	O	|	|	|	|	0.15
47.083	0.00	0.10	0.046	O	|	|	|	|	0.15
47.167	0.00	0.10	0.045	O	|	|	|	|	0.15
47.250	0.00	0.10	0.045	O	|	|	|	|	0.14
47.333	0.00	0.10	0.044	O	|	|	|	|	0.14
47.417	0.00	0.10	0.043	O	|	|	|	|	0.14
47.500	0.00	0.09	0.043	O	|	|	|	|	0.14
47.583	0.00	0.09	0.042	O	|	|	|	|	0.14
47.667	0.00	0.09	0.041	O	|	|	|	|	0.13
47.750	0.00	0.09	0.041	O	|	|	|	|	0.13
47.833	0.00	0.09	0.040	O	|	|	|	|	0.13
47.917	0.00	0.09	0.039	O	|	|	|	|	0.13
48.000	0.00	0.09	0.039	O	|	|	|	|	0.13
48.083	0.00	0.09	0.038	O	|	|	|	|	0.12
48.167	0.00	0.08	0.038	O	|	|	|	|	0.12
48.250	0.00	0.08	0.037	O	|	|	|	|	0.12
48.333	0.00	0.08	0.037	O	|	|	|	|	0.12
48.417	0.00	0.08	0.036	O	|	|	|	|	0.12
48.500	0.00	0.08	0.035	O	|	|	|	|	0.11
48.583	0.00	0.08	0.035	O	|	|	|	|	0.11
48.667	0.00	0.08	0.034	O	|	|	|	|	0.11
48.750	0.00	0.08	0.034	O	|	|	|	|	0.11
48.833	0.00	0.07	0.033	O	|	|	|	|	0.11
48.917	0.00	0.07	0.033	O	|	|	|	|	0.11
49.000	0.00	0.07	0.032	O	|	|	|	|	0.10
49.083	0.00	0.07	0.032	O	|	|	|	|	0.10
49.167	0.00	0.07	0.031	O	|	|	|	|	0.10
49.250	0.00	0.07	0.031	O	|	|	|	|	0.10
49.333	0.00	0.07	0.030	O	|	|	|	|	0.10
49.417	0.00	0.07	0.030	O	|	|	|	|	0.10
49.500	0.00	0.07	0.029	O	|	|	|	|	0.10
49.583	0.00	0.06	0.029	O	|	|	|	|	0.09
49.667	0.00	0.06	0.029	O	|	|	|	|	0.09
49.750	0.00	0.06	0.028	O	|	|	|	|	0.09
49.833	0.00	0.06	0.028	O	|	|	|	|	0.09
49.917	0.00	0.06	0.027	O	|	|	|	|	0.09
50.000	0.00	0.06	0.027	O	|	|	|	|	0.09
50.083	0.00	0.06	0.026	O	|	|	|	|	0.09
50.167	0.00	0.06	0.026	O	|	|	|	|	0.08
50.250	0.00	0.06	0.026	O	|	|	|	|	0.08
50.333	0.00	0.06	0.025	O	|	|	|	|	0.08
50.417	0.00	0.06	0.025	O	|	|	|	|	0.08
50.500	0.00	0.05	0.025	O	|	|	|	|	0.08
50.583	0.00	0.05	0.024	O	|	|	|	|	0.08
50.667	0.00	0.05	0.024	O	|	|	|	|	0.08
50.750	0.00	0.05	0.023	O	|	|	|	|	0.08
50.833	0.00	0.05	0.023	O	|	|	|	|	0.07
50.917	0.00	0.05	0.023	O	|	|	|	|	0.07
51.000	0.00	0.05	0.022	O	|	|	|	|	0.07
51.083	0.00	0.05	0.022	O	|	|	|	|	0.07
51.167	0.00	0.05	0.022	O	|	|	|	|	0.07
51.250	0.00	0.05	0.021	O	|	|	|	|	0.07
51.333	0.00	0.05	0.021	O	|	|	|	|	0.07
51.417	0.00	0.05	0.021	O	|	|	|	|	0.07
51.500	0.00	0.05	0.020	O	|	|	|	|	0.07
51.583	0.00	0.04	0.020	O	|	|	|	|	0.06
51.667	0.00	0.04	0.020	O	|	|	|	|	0.06
51.750	0.00	0.04	0.019	O	|	|	|	|	0.06
51.833	0.00	0.04	0.019	O	|	|	|	|	0.06
51.917	0.00	0.04	0.019	O	|	|	|	|	0.06
52.000	0.00	0.04	0.019	O	|	|	|	|	0.06
52.083	0.00	0.04	0.018	O	|	|	|	|	0.06

52.167	0.00	0.04	0.018	O					0.06
52.250	0.00	0.04	0.018	O					0.06
52.333	0.00	0.04	0.018	O					0.06
52.417	0.00	0.04	0.017	O					0.06
52.500	0.00	0.04	0.017	O					0.05
52.583	0.00	0.04	0.017	O					0.05
52.667	0.00	0.04	0.016	O					0.05
52.750	0.00	0.04	0.016	O					0.05
52.833	0.00	0.04	0.016	O					0.05
52.917	0.00	0.03	0.016	O					0.05
53.000	0.00	0.03	0.015	O					0.05
53.083	0.00	0.03	0.015	O					0.05
53.167	0.00	0.03	0.015	O					0.05
53.250	0.00	0.03	0.015	O					0.05
53.333	0.00	0.03	0.015	O					0.05
53.417	0.00	0.03	0.014	O					0.05
53.500	0.00	0.03	0.014	O					0.05
53.583	0.00	0.03	0.014	O					0.04
53.667	0.00	0.03	0.014	O					0.04
53.750	0.00	0.03	0.013	O					0.04
53.833	0.00	0.03	0.013	O					0.04
53.917	0.00	0.03	0.013	O					0.04
54.000	0.00	0.03	0.013	O					0.04
54.083	0.00	0.03	0.013	O					0.04
54.167	0.00	0.03	0.012	O					0.04
54.250	0.00	0.03	0.012	O					0.04
54.333	0.00	0.03	0.012	O					0.04
54.417	0.00	0.03	0.012	O					0.04
54.500	0.00	0.03	0.012	O					0.04
54.583	0.00	0.03	0.012	O					0.04
54.667	0.00	0.03	0.011	O					0.04
54.750	0.00	0.02	0.011	O					0.04
54.833	0.00	0.02	0.011	O					0.04
54.917	0.00	0.02	0.011	O					0.04
55.000	0.00	0.02	0.011	O					0.03
55.083	0.00	0.02	0.011	O					0.03
55.167	0.00	0.02	0.010	O					0.03
55.250	0.00	0.02	0.010	O					0.03
55.333	0.00	0.02	0.010	O					0.03
55.417	0.00	0.02	0.010	O					0.03
55.500	0.00	0.02	0.010	O					0.03
55.583	0.00	0.02	0.010	O					0.03
55.667	0.00	0.02	0.009	O					0.03
55.750	0.00	0.02	0.009	O					0.03
55.833	0.00	0.02	0.009	O					0.03
55.917	0.00	0.02	0.009	O					0.03
56.000	0.00	0.02	0.009	O					0.03
56.083	0.00	0.02	0.009	O					0.03
56.167	0.00	0.02	0.009	O					0.03
56.250	0.00	0.02	0.009	O					0.03
56.333	0.00	0.02	0.008	O					0.03
56.417	0.00	0.02	0.008	O					0.03
56.500	0.00	0.02	0.008	O					0.03
56.583	0.00	0.02	0.008	O					0.03
56.667	0.00	0.02	0.008	O					0.03
56.750	0.00	0.02	0.008	O					0.03
56.833	0.00	0.02	0.008	O					0.02
56.917	0.00	0.02	0.008	O					0.02
57.000	0.00	0.02	0.007	O					0.02
57.083	0.00	0.02	0.007	O					0.02
57.167	0.00	0.02	0.007	O					0.02
57.250	0.00	0.02	0.007	O					0.02
57.333	0.00	0.02	0.007	O					0.02
57.417	0.00	0.02	0.007	O					0.02
57.500	0.00	0.02	0.007	O					0.02
57.583	0.00	0.01	0.007	O					0.02
57.667	0.00	0.01	0.007	O					0.02
57.750	0.00	0.01	0.006	O					0.02
57.833	0.00	0.01	0.006	O					0.02

57.917	0.00	0.01	0.006	O					0.02
58.000	0.00	0.01	0.006	O					0.02
58.083	0.00	0.01	0.006	O					0.02
58.167	0.00	0.01	0.006	O					0.02
58.250	0.00	0.01	0.006	O					0.02
58.333	0.00	0.01	0.006	O					0.02
58.417	0.00	0.01	0.006	O					0.02
58.500	0.00	0.01	0.006	O					0.02
58.583	0.00	0.01	0.006	O					0.02
58.667	0.00	0.01	0.005	O					0.02
58.750	0.00	0.01	0.005	O					0.02
58.833	0.00	0.01	0.005	O					0.02
58.917	0.00	0.01	0.005	O					0.02
59.000	0.00	0.01	0.005	O					0.02
59.083	0.00	0.01	0.005	O					0.02
59.167	0.00	0.01	0.005	O					0.02
59.250	0.00	0.01	0.005	O					0.02
59.333	0.00	0.01	0.005	O					0.02
59.417	0.00	0.01	0.005	O					0.02
59.500	0.00	0.01	0.005	O					0.02
59.583	0.00	0.01	0.005	O					0.01
59.667	0.00	0.01	0.005	O					0.01
59.750	0.00	0.01	0.004	O					0.01
59.833	0.00	0.01	0.004	O					0.01
59.917	0.00	0.01	0.004	O					0.01
60.000	0.00	0.01	0.004	O					0.01
60.083	0.00	0.01	0.004	O					0.01
60.167	0.00	0.01	0.004	O					0.01
60.250	0.00	0.01	0.004	O					0.01
60.333	0.00	0.01	0.004	O					0.01
60.417	0.00	0.01	0.004	O					0.01
60.500	0.00	0.01	0.004	O					0.01
60.583	0.00	0.01	0.004	O					0.01
60.667	0.00	0.01	0.004	O					0.01
60.750	0.00	0.01	0.004	O					0.01
60.833	0.00	0.01	0.004	O					0.01
60.917	0.00	0.01	0.004	O					0.01
61.000	0.00	0.01	0.004	O					0.01
61.083	0.00	0.01	0.003	O					0.01
61.167	0.00	0.01	0.003	O					0.01
61.250	0.00	0.01	0.003	O					0.01
61.333	0.00	0.01	0.003	O					0.01
61.417	0.00	0.01	0.003	O					0.01
61.500	0.00	0.01	0.003	O					0.01
61.583	0.00	0.01	0.003	O					0.01
61.667	0.00	0.01	0.003	O					0.01
61.750	0.00	0.01	0.003	O					0.01
61.833	0.00	0.01	0.003	O					0.01
61.917	0.00	0.01	0.003	O					0.01
62.000	0.00	0.01	0.003	O					0.01
62.083	0.00	0.01	0.003	O					0.01
62.167	0.00	0.01	0.003	O					0.01
62.250	0.00	0.01	0.003	O					0.01
62.333	0.00	0.01	0.003	O					0.01
62.417	0.00	0.01	0.003	O					0.01
62.500	0.00	0.01	0.003	O					0.01
62.583	0.00	0.01	0.003	O					0.01
62.667	0.00	0.01	0.003	O					0.01
62.750	0.00	0.01	0.003	O					0.01
62.833	0.00	0.01	0.003	O					0.01
62.917	0.00	0.01	0.002	O					0.01
63.000	0.00	0.01	0.002	O					0.01
63.083	0.00	0.01	0.002	O					0.01
63.167	0.00	0.01	0.002	O					0.01
63.250	0.00	0.01	0.002	O					0.01
63.333	0.00	0.01	0.002	O					0.01
63.417	0.00	0.01	0.002	O					0.01
63.500	0.00	0.00	0.002	O					0.01
63.583	0.00	0.00	0.002	O					0.01

63.667	0.00	0.00	0.002	O					0.01
63.750	0.00	0.00	0.002	O					0.01
63.833	0.00	0.00	0.002	O					0.01
63.917	0.00	0.00	0.002	O					0.01
64.000	0.00	0.00	0.002	O					0.01
64.083	0.00	0.00	0.002	O					0.01
64.167	0.00	0.00	0.002	O					0.01
64.250	0.00	0.00	0.002	O					0.01
64.333	0.00	0.00	0.002	O					0.01
64.417	0.00	0.00	0.002	O					0.01
64.500	0.00	0.00	0.002	O					0.01
64.583	0.00	0.00	0.002	O					0.01
64.667	0.00	0.00	0.002	O					0.01
64.750	0.00	0.00	0.002	O					0.01
64.833	0.00	0.00	0.002	O					0.01
64.917	0.00	0.00	0.002	O					0.01
65.000	0.00	0.00	0.002	O					0.01
65.083	0.00	0.00	0.002	O					0.01
65.167	0.00	0.00	0.002	O					0.01
65.250	0.00	0.00	0.002	O					0.01
65.333	0.00	0.00	0.002	O					0.01
65.417	0.00	0.00	0.002	O					0.01
65.500	0.00	0.00	0.002	O					0.01
65.583	0.00	0.00	0.002	O					0.00
65.667	0.00	0.00	0.002	O					0.00
65.750	0.00	0.00	0.001	O					0.00
65.833	0.00	0.00	0.001	O					0.00
65.917	0.00	0.00	0.001	O					0.00
66.000	0.00	0.00	0.001	O					0.00
66.083	0.00	0.00	0.001	O					0.00
66.167	0.00	0.00	0.001	O					0.00
66.250	0.00	0.00	0.001	O					0.00
66.333	0.00	0.00	0.001	O					0.00
66.417	0.00	0.00	0.001	O					0.00
66.500	0.00	0.00	0.001	O					0.00
66.583	0.00	0.00	0.001	O					0.00
66.667	0.00	0.00	0.001	O					0.00
66.750	0.00	0.00	0.001	O					0.00
66.833	0.00	0.00	0.001	O					0.00
66.917	0.00	0.00	0.001	O					0.00
67.000	0.00	0.00	0.001	O					0.00
67.083	0.00	0.00	0.001	O					0.00
67.167	0.00	0.00	0.001	O					0.00
67.250	0.00	0.00	0.001	O					0.00
67.333	0.00	0.00	0.001	O					0.00
67.417	0.00	0.00	0.001	O					0.00
67.500	0.00	0.00	0.001	O					0.00
67.583	0.00	0.00	0.001	O					0.00
67.667	0.00	0.00	0.001	O					0.00
67.750	0.00	0.00	0.001	O					0.00
67.833	0.00	0.00	0.001	O					0.00
67.917	0.00	0.00	0.001	O					0.00
68.000	0.00	0.00	0.001	O					0.00
68.083	0.00	0.00	0.001	O					0.00
68.167	0.00	0.00	0.001	O					0.00
68.250	0.00	0.00	0.001	O					0.00
68.333	0.00	0.00	0.001	O					0.00
68.417	0.00	0.00	0.001	O					0.00
68.500	0.00	0.00	0.001	O					0.00
68.583	0.00	0.00	0.001	O					0.00
68.667	0.00	0.00	0.001	O					0.00
68.750	0.00	0.00	0.001	O					0.00
68.833	0.00	0.00	0.001	O					0.00
68.917	0.00	0.00	0.001	O					0.00
69.000	0.00	0.00	0.001	O					0.00
69.083	0.00	0.00	0.001	O					0.00
69.167	0.00	0.00	0.001	O					0.00
69.250	0.00	0.00	0.001	O					0.00
69.333	0.00	0.00	0.001	O					0.00

69.417	0.00	0.00	0.001	O	|	|	|	|	0.00
69.500	0.00	0.00	0.001	O	|	|	|	|	0.00
69.583	0.00	0.00	0.001	O	|	|	|	|	0.00
69.667	0.00	0.00	0.001	O	|	|	|	|	0.00
69.750	0.00	0.00	0.001	O	|	|	|	|	0.00
69.833	0.00	0.00	0.001	O	|	|	|	|	0.00
69.917	0.00	0.00	0.001	O	|	|	|	|	0.00
70.000	0.00	0.00	0.001	O	|	|	|	|	0.00
70.083	0.00	0.00	0.001	O	|	|	|	|	0.00
70.167	0.00	0.00	0.001	O	|	|	|	|	0.00
70.250	0.00	0.00	0.001	O	|	|	|	|	0.00
70.333	0.00	0.00	0.001	O	|	|	|	|	0.00
70.417	0.00	0.00	0.001	O	|	|	|	|	0.00
70.500	0.00	0.00	0.001	O	|	|	|	|	0.00
70.583	0.00	0.00	0.001	O	|	|	|	|	0.00
70.667	0.00	0.00	0.001	O	|	|	|	|	0.00
70.750	0.00	0.00	0.001	O	|	|	|	|	0.00
70.833	0.00	0.00	0.001	O	|	|	|	|	0.00
70.917	0.00	0.00	0.001	O	|	|	|	|	0.00
71.000	0.00	0.00	0.001	O	|	|	|	|	0.00
71.083	0.00	0.00	0.001	O	|	|	|	|	0.00
71.167	0.00	0.00	0.001	O	|	|	|	|	0.00
71.250	0.00	0.00	0.001	O	|	|	|	|	0.00
71.333	0.00	0.00	0.001	O	|	|	|	|	0.00
71.417	0.00	0.00	0.001	O	|	|	|	|	0.00
71.500	0.00	0.00	0.001	O	|	|	|	|	0.00
71.583	0.00	0.00	0.001	O	|	|	|	|	0.00
71.667	0.00	0.00	0.000	O	|	|	|	|	0.00
71.750	0.00	0.00	0.000	O	|	|	|	|	0.00
71.833	0.00	0.00	0.000	O	|	|	|	|	0.00
71.917	0.00	0.00	0.000	O	|	|	|	|	0.00
72.000	0.00	0.00	0.000	O	|	|	|	|	0.00
72.083	0.00	0.00	0.000	O	|	|	|	|	0.00
72.167	0.00	0.00	0.000	O	|	|	|	|	0.00
72.250	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 867
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 18.593 (CFS)
Total volume = 7.736 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRC1100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 19
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 142.426 (CFS)
Total volume = 4.633 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN C- ROUTING
100YR-1HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 19
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.690	0.308	0.312
2.000	0.660	1.060	0.656	0.664
3.000	1.070	1.330	1.065	1.075
4.000	1.540	1.550	1.535	1.545
4.200	1.640	1.590	1.635	1.645
5.000	2.070	3.520	2.058	2.082
6.000	2.660	4.910	2.643	2.677
7.000	3.310	85.840	3.014	3.606

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 35.6 71.21 106.82 142.43	Depth (Ft.)
0.083	3.60	0.03	0.012	O | | | |	0.04
0.167	13.94	0.16	0.072	O I | | | |	0.23
0.250	20.38	0.42	0.188	O I | | | |	0.61
0.333	24.03	0.72	0.337	O I | | | |	1.08

0.417	27.48	0.90	0.509	O	I				1.57
0.500	31.67	1.09	0.706	O	I				2.11
0.583	37.32	1.24	0.935	O	I				2.67
0.667	44.26	1.39	1.207	O	I				3.29
0.750	60.29	1.56	1.557	O	I				4.03
0.833	106.74	3.62	2.114	O	I				5.08
0.917	142.43	29.58	2.858	O	I				6.30
1.000	**74.36**	**76.88**	**3.238**	**IO**					**6.89**
1.083	41.02	65.36	3.146	I	O				6.75
1.167	19.99	44.44	2.978	I	O				6.49
1.250	11.76	27.30	2.840	I	O				6.28
1.333	7.22	16.61	2.754	I O					6.14
1.417	4.81	10.25	2.703	IO					6.07
1.500	1.09	5.87	2.668	IO					6.01
1.583	0.34	4.85	2.636	IO					5.96
1.667	0.00	4.78	2.604	IO					5.90
1.750	0.00	4.70	2.571	IO					5.85
1.833	0.00	4.62	2.539	IO					5.79
1.917	0.00	4.55	2.507	IO					5.74
2.000	0.00	4.48	2.476	IO					5.69
2.083	0.00	4.41	2.446	O					5.64
2.167	0.00	4.33	2.416	O					5.59
2.250	0.00	4.26	2.386	O					5.54
2.333	0.00	4.20	2.357	O					5.49
2.417	0.00	4.13	2.328	O					5.44
2.500	0.00	4.06	2.300	O					5.39
2.583	0.00	4.00	2.272	O					5.34
2.667	0.00	3.93	2.245	O					5.30
2.750	0.00	3.87	2.218	O					5.25
2.833	0.00	3.81	2.192	O					5.21
2.917	0.00	3.75	2.166	O					5.16
3.000	0.00	3.69	2.140	O					5.12
3.083	0.00	3.63	2.115	O					5.08
3.167	0.00	3.57	2.090	O					5.03
3.250	0.00	3.50	2.066	O					4.99
3.333	0.00	3.39	2.042	O					4.95
3.417	0.00	3.29	2.019	O					4.91
3.500	0.00	3.19	1.997	O					4.86
3.583	0.00	3.09	1.975	O					4.82
3.667	0.00	3.00	1.954	O					4.78
3.750	0.00	2.91	1.934	O					4.75
3.833	0.00	2.82	1.914	O					4.71
3.917	0.00	2.73	1.895	O					4.67
4.000	0.00	2.65	1.876	O					4.64
4.083	0.00	2.57	1.858	O					4.61
4.167	0.00	2.49	1.841	O					4.57
4.250	0.00	2.42	1.824	O					4.54
4.333	0.00	2.34	1.808	O					4.51
4.417	0.00	2.27	1.792	O					4.48
4.500	0.00	2.20	1.776	O					4.45
4.583	0.00	2.13	1.761	O					4.43
4.667	0.00	2.07	1.747	O					4.40
4.750	0.00	2.01	1.733	O					4.37
4.833	0.00	1.95	1.719	O					4.35
4.917	0.00	1.89	1.706	O					4.32
5.000	0.00	1.83	1.693	O					4.30
5.083	0.00	1.77	1.681	O					4.28
5.167	0.00	1.72	1.669	O					4.25
5.250	0.00	1.67	1.657	O					4.23
5.333	0.00	1.62	1.646	O					4.21
5.417	0.00	1.59	1.635	O					4.19
5.500	0.00	1.58	1.624	O					4.17
5.583	0.00	1.58	1.613	O					4.15
5.667	0.00	1.57	1.602	O					4.12
5.750	0.00	1.57	1.591	O					4.10
5.833	0.00	1.57	1.581	O					4.08
5.917	0.00	1.56	1.570	O					4.06
6.000	0.00	1.56	1.559	O					4.04
6.083	0.00	1.55	1.548	O					4.02

6.167	0.00	1.55	1.538	O					3.99
6.250	0.00	1.54	1.527	O					3.97
6.333	0.00	1.54	1.516	O					3.95
6.417	0.00	1.53	1.506	O					3.93
6.500	0.00	1.53	1.495	O					3.90
6.583	0.00	1.52	1.485	O					3.88
6.667	0.00	1.52	1.474	O					3.86
6.750	0.00	1.51	1.464	O					3.84
6.833	0.00	1.51	1.453	O					3.82
6.917	0.00	1.50	1.443	O					3.79
7.000	0.00	1.50	1.433	O					3.77
7.083	0.00	1.49	1.422	O					3.75
7.167	0.00	1.49	1.412	O					3.73
7.250	0.00	1.49	1.402	O					3.71
7.333	0.00	1.48	1.392	O					3.68
7.417	0.00	1.48	1.381	O					3.66
7.500	0.00	1.47	1.371	O					3.64
7.583	0.00	1.47	1.361	O					3.62
7.667	0.00	1.46	1.351	O					3.60
7.750	0.00	1.46	1.341	O					3.58
7.833	0.00	1.45	1.331	O					3.56
7.917	0.00	1.45	1.321	O					3.53
8.000	0.00	1.44	1.311	O					3.51
8.083	0.00	1.44	1.301	O					3.49
8.167	0.00	1.43	1.291	O					3.47
8.250	0.00	1.43	1.281	O					3.45
8.333	0.00	1.42	1.272	O					3.43
8.417	0.00	1.42	1.262	O					3.41
8.500	0.00	1.42	1.252	O					3.39
8.583	0.00	1.41	1.242	O					3.37
8.667	0.00	1.41	1.233	O					3.35
8.750	0.00	1.40	1.223	O					3.33
8.833	0.00	1.40	1.213	O					3.30
8.917	0.00	1.39	1.204	O					3.28
9.000	0.00	1.39	1.194	O					3.26
9.083	0.00	1.38	1.185	O					3.24
9.167	0.00	1.38	1.175	O					3.22
9.250	0.00	1.37	1.166	O					3.20
9.333	0.00	1.37	1.156	O					3.18
9.417	0.00	1.37	1.147	O					3.16
9.500	0.00	1.36	1.137	O					3.14
9.583	0.00	1.36	1.128	O					3.12
9.667	0.00	1.35	1.119	O					3.10
9.750	0.00	1.35	1.109	O					3.08
9.833	0.00	1.34	1.100	O					3.06
9.917	0.00	1.34	1.091	O					3.04
10.000	0.00	1.34	1.082	O					3.02
10.083	0.00	1.33	1.072	O					3.01
10.167	0.00	1.33	1.063	O					2.98
10.250	0.00	1.32	1.054	O					2.96
10.333	0.00	1.31	1.045	O					2.94
10.417	0.00	1.31	1.036	O					2.92
10.500	0.00	1.30	1.027	O					2.90
10.583	0.00	1.30	1.018	O					2.87
10.667	0.00	1.29	1.009	O					2.85
10.750	0.00	1.28	1.000	O					2.83
10.833	0.00	1.28	0.992	O					2.81
10.917	0.00	1.27	0.983	O					2.79
11.000	0.00	1.27	0.974	O					2.77
11.083	0.00	1.26	0.965	O					2.74
11.167	0.00	1.26	0.957	O					2.72
11.250	0.00	1.25	0.948	O					2.70
11.333	0.00	1.24	0.939	O					2.68
11.417	0.00	1.24	0.931	O					2.66
11.500	0.00	1.23	0.922	O					2.64
11.583	0.00	1.23	0.914	O					2.62
11.667	0.00	1.22	0.905	O					2.60
11.750	0.00	1.22	0.897	O					2.58
11.833	0.00	1.21	0.889	O					2.56

11.917	0.00	1.21	0.880	O					2.54
12.000	0.00	1.20	0.872	O					2.52
12.083	0.00	1.19	0.864	O					2.50
12.167	0.00	1.19	0.856	O					2.48
12.250	0.00	1.18	0.847	O					2.46
12.333	0.00	1.18	0.839	O					2.44
12.417	0.00	1.17	0.831	O					2.42
12.500	0.00	1.17	0.823	O					2.40
12.583	0.00	1.16	0.815	O					2.38
12.667	0.00	1.16	0.807	O					2.36
12.750	0.00	1.15	0.799	O					2.34
12.833	0.00	1.15	0.791	O					2.32
12.917	0.00	1.14	0.783	O					2.30
13.000	0.00	1.14	0.776	O					2.28
13.083	0.00	1.13	0.768	O					2.26
13.167	0.00	1.13	0.760	O					2.24
13.250	0.00	1.12	0.752	O					2.23
13.333	0.00	1.12	0.745	O					2.21
13.417	0.00	1.11	0.737	O					2.19
13.500	0.00	1.11	0.729	O					2.17
13.583	0.00	1.10	0.722	O					2.15
13.667	0.00	1.10	0.714	O					2.13
13.750	0.00	1.09	0.707	O					2.11
13.833	0.00	1.09	0.699	O					2.10
13.917	0.00	1.08	0.692	O					2.08
14.000	0.00	1.08	0.684	O					2.06
14.083	0.00	1.07	0.677	O					2.04
14.167	0.00	1.07	0.669	O					2.02
14.250	0.00	1.06	0.662	O					2.01
14.333	0.00	1.05	0.655	O					1.99
14.417	0.00	1.05	0.648	O					1.96
14.500	0.00	1.04	0.640	O					1.94
14.583	0.00	1.03	0.633	O					1.92
14.667	0.00	1.02	0.626	O					1.90
14.750	0.00	1.02	0.619	O					1.88
14.833	0.00	1.01	0.612	O					1.86
14.917	0.00	1.00	0.605	O					1.84
15.000	0.00	0.99	0.598	O					1.82
15.083	0.00	0.99	0.592	O					1.80
15.167	0.00	0.98	0.585	O					1.79
15.250	0.00	0.97	0.578	O					1.77
15.333	0.00	0.97	0.571	O					1.75
15.417	0.00	0.96	0.565	O					1.73
15.500	0.00	0.95	0.558	O					1.71
15.583	0.00	0.95	0.552	O					1.69
15.667	0.00	0.94	0.545	O					1.67
15.750	0.00	0.93	0.539	O					1.65
15.833	0.00	0.93	0.532	O					1.64
15.917	0.00	0.92	0.526	O					1.62
16.000	0.00	0.91	0.520	O					1.60
16.083	0.00	0.91	0.513	O					1.58
16.167	0.00	0.90	0.507	O					1.56
16.250	0.00	0.89	0.501	O					1.55
16.333	0.00	0.89	0.495	O					1.53
16.417	0.00	0.88	0.489	O					1.51
16.500	0.00	0.87	0.483	O					1.49
16.583	0.00	0.87	0.477	O					1.48
16.667	0.00	0.86	0.471	O					1.46
16.750	0.00	0.85	0.465	O					1.44
16.833	0.00	0.85	0.459	O					1.43
16.917	0.00	0.84	0.453	O					1.41
17.000	0.00	0.84	0.448	O					1.39
17.083	0.00	0.83	0.442	O					1.38
17.167	0.00	0.82	0.436	O					1.36
17.250	0.00	0.82	0.430	O					1.34
17.333	0.00	0.81	0.425	O					1.33
17.417	0.00	0.81	0.419	O					1.31
17.500	0.00	0.80	0.414	O					1.30
17.583	0.00	0.79	0.408	O					1.28

17.667	0.00	0.79	0.403	O					1.27
17.750	0.00	0.78	0.397	O					1.25
17.833	0.00	0.78	0.392	O					1.23
17.917	0.00	0.77	0.387	O					1.22
18.000	0.00	0.77	0.381	O					1.20
18.083	0.00	0.76	0.376	O					1.19
18.167	0.00	0.75	0.371	O					1.17
18.250	0.00	0.75	0.366	O					1.16
18.333	0.00	0.74	0.361	O					1.14
18.417	0.00	0.74	0.356	O					1.13
18.500	0.00	0.73	0.350	O					1.12
18.583	0.00	0.73	0.345	O					1.10
18.667	0.00	0.72	0.340	O					1.09
18.750	0.00	0.72	0.335	O					1.07
18.833	0.00	0.71	0.331	O					1.06
18.917	0.00	0.71	0.326	O					1.04
19.000	0.00	0.70	0.321	O					1.03
19.083	0.00	0.70	0.316	O					1.02
19.167	0.00	0.69	0.311	O					1.00
19.250	0.00	0.68	0.307	O					0.99
19.333	0.00	0.67	0.302	O					0.97
19.417	0.00	0.66	0.297	O					0.96
19.500	0.00	0.65	0.293	O					0.94
19.583	0.00	0.64	0.288	O					0.93
19.667	0.00	0.63	0.284	O					0.92
19.750	0.00	0.62	0.280	O					0.90
19.833	0.00	0.61	0.275	O					0.89
19.917	0.00	0.60	0.271	O					0.87
20.000	0.00	0.59	0.267	O					0.86
20.083	0.00	0.59	0.263	O					0.85
20.167	0.00	0.58	0.259	O					0.84
20.250	0.00	0.57	0.255	O					0.82
20.333	0.00	0.56	0.251	O					0.81
20.417	0.00	0.55	0.247	O					0.80
20.500	0.00	0.54	0.244	O					0.79
20.583	0.00	0.53	0.240	O					0.77
20.667	0.00	0.53	0.236	O					0.76
20.750	0.00	0.52	0.233	O					0.75
20.833	0.00	0.51	0.229	O					0.74
20.917	0.00	0.50	0.226	O					0.73
21.000	0.00	0.49	0.222	O					0.72
21.083	0.00	0.49	0.219	O					0.71
21.167	0.00	0.48	0.215	O					0.69
21.250	0.00	0.47	0.212	O					0.68
21.333	0.00	0.47	0.209	O					0.67
21.417	0.00	0.46	0.206	O					0.66
21.500	0.00	0.45	0.203	O					0.65
21.583	0.00	0.44	0.200	O					0.64
21.667	0.00	0.44	0.197	O					0.63
21.750	0.00	0.43	0.194	O					0.62
21.833	0.00	0.42	0.191	O					0.61
21.917	0.00	0.42	0.188	O					0.61
22.000	0.00	0.41	0.185	O					0.60
22.083	0.00	0.41	0.182	O					0.59
22.167	0.00	0.40	0.179	O					0.58
22.250	0.00	0.39	0.177	O					0.57
22.333	0.00	0.39	0.174	O					0.56
22.417	0.00	0.38	0.171	O					0.55
22.500	0.00	0.38	0.169	O					0.54
22.583	0.00	0.37	0.166	O					0.54
22.667	0.00	0.36	0.163	O					0.53
22.750	0.00	0.36	0.161	O					0.52
22.833	0.00	0.35	0.159	O					0.51
22.917	0.00	0.35	0.156	O					0.50
23.000	0.00	0.34	0.154	O					0.50
23.083	0.00	0.34	0.151	O					0.49
23.167	0.00	0.33	0.149	O					0.48
23.250	0.00	0.33	0.147	O					0.47
23.333	0.00	0.32	0.145	O					0.47

23.417	0.00	0.32	0.142	O	|	|	|	|	0.46
23.500	0.00	0.31	0.140	O	|	|	|	|	0.45
23.583	0.00	0.31	0.138	O	|	|	|	|	0.45
23.667	0.00	0.30	0.136	O	|	|	|	|	0.44
23.750	0.00	0.30	0.134	O	|	|	|	|	0.43
23.833	0.00	0.29	0.132	O	|	|	|	|	0.43
23.917	0.00	0.29	0.130	O	|	|	|	|	0.42
24.000	0.00	0.28	0.128	O	|	|	|	|	0.41
24.083	0.00	0.28	0.126	O	|	|	|	|	0.41
24.167	0.00	0.28	0.124	O	|	|	|	|	0.40
24.250	0.00	0.27	0.122	O	|	|	|	|	0.39
24.333	0.00	0.27	0.120	O	|	|	|	|	0.39
24.417	0.00	0.26	0.118	O	|	|	|	|	0.38
24.500	0.00	0.26	0.117	O	|	|	|	|	0.38
24.583	0.00	0.26	0.115	O	|	|	|	|	0.37
24.667	0.00	0.25	0.113	O	|	|	|	|	0.37
24.750	0.00	0.25	0.111	O	|	|	|	|	0.36
24.833	0.00	0.24	0.110	O	|	|	|	|	0.35
24.917	0.00	0.24	0.108	O	|	|	|	|	0.35
25.000	0.00	0.24	0.106	O	|	|	|	|	0.34
25.083	0.00	0.23	0.105	O	|	|	|	|	0.34
25.167	0.00	0.23	0.103	O	|	|	|	|	0.33
25.250	0.00	0.23	0.102	O	|	|	|	|	0.33
25.333	0.00	0.22	0.100	O	|	|	|	|	0.32
25.417	0.00	0.22	0.099	O	|	|	|	|	0.32
25.500	0.00	0.22	0.097	O	|	|	|	|	0.31
25.583	0.00	0.21	0.096	O	|	|	|	|	0.31
25.667	0.00	0.21	0.094	O	|	|	|	|	0.30
25.750	0.00	0.21	0.093	O	|	|	|	|	0.30
25.833	0.00	0.20	0.091	O	|	|	|	|	0.29
25.917	0.00	0.20	0.090	O	|	|	|	|	0.29
26.000	0.00	0.20	0.089	O	|	|	|	|	0.29
26.083	0.00	0.19	0.087	O	|	|	|	|	0.28
26.167	0.00	0.19	0.086	O	|	|	|	|	0.28
26.250	0.00	0.19	0.085	O	|	|	|	|	0.27
26.333	0.00	0.19	0.083	O	|	|	|	|	0.27
26.417	0.00	0.18	0.082	O	|	|	|	|	0.26
26.500	0.00	0.18	0.081	O	|	|	|	|	0.26
26.583	0.00	0.18	0.080	O	|	|	|	|	0.26
26.667	0.00	0.17	0.078	O	|	|	|	|	0.25
26.750	0.00	0.17	0.077	O	|	|	|	|	0.25
26.833	0.00	0.17	0.076	O	|	|	|	|	0.25
26.917	0.00	0.17	0.075	O	|	|	|	|	0.24
27.000	0.00	0.16	0.074	O	|	|	|	|	0.24
27.083	0.00	0.16	0.073	O	|	|	|	|	0.23
27.167	0.00	0.16	0.071	O	|	|	|	|	0.23
27.250	0.00	0.16	0.070	O	|	|	|	|	0.23
27.333	0.00	0.15	0.069	O	|	|	|	|	0.22
27.417	0.00	0.15	0.068	O	|	|	|	|	0.22
27.500	0.00	0.15	0.067	O	|	|	|	|	0.22
27.583	0.00	0.15	0.066	O	|	|	|	|	0.21
27.667	0.00	0.15	0.065	O	|	|	|	|	0.21
27.750	0.00	0.14	0.064	O	|	|	|	|	0.21
27.833	0.00	0.14	0.063	O	|	|	|	|	0.20
27.917	0.00	0.14	0.062	O	|	|	|	|	0.20
28.000	0.00	0.14	0.061	O	|	|	|	|	0.20
28.083	0.00	0.13	0.060	O	|	|	|	|	0.19
28.167	0.00	0.13	0.059	O	|	|	|	|	0.19
28.250	0.00	0.13	0.059	O	|	|	|	|	0.19
28.333	0.00	0.13	0.058	O	|	|	|	|	0.19
28.417	0.00	0.13	0.057	O	|	|	|	|	0.18
28.500	0.00	0.12	0.056	O	|	|	|	|	0.18
28.583	0.00	0.12	0.055	O	|	|	|	|	0.18
28.667	0.00	0.12	0.054	O	|	|	|	|	0.17
28.750	0.00	0.12	0.053	O	|	|	|	|	0.17
28.833	0.00	0.12	0.053	O	|	|	|	|	0.17
28.917	0.00	0.12	0.052	O	|	|	|	|	0.17
29.000	0.00	0.11	0.051	O	|	|	|	|	0.16
29.083	0.00	0.11	0.050	O	|	|	|	|	0.16

29.167	0.00	0.11	0.049	O					0.16
29.250	0.00	0.11	0.049	O					0.16
29.333	0.00	0.11	0.048	O					0.15
29.417	0.00	0.11	0.047	O					0.15
29.500	0.00	0.10	0.047	O					0.15
29.583	0.00	0.10	0.046	O					0.15
29.667	0.00	0.10	0.045	O					0.15
29.750	0.00	0.10	0.044	O					0.14
29.833	0.00	0.10	0.044	O					0.14
29.917	0.00	0.10	0.043	O					0.14
30.000	0.00	0.09	0.042	O					0.14
30.083	0.00	0.09	0.042	O					0.13
30.167	0.00	0.09	0.041	O					0.13
30.250	0.00	0.09	0.041	O					0.13
30.333	0.00	0.09	0.040	O					0.13
30.417	0.00	0.09	0.039	O					0.13
30.500	0.00	0.09	0.039	O					0.12
30.583	0.00	0.08	0.038	O					0.12
30.667	0.00	0.08	0.038	O					0.12
30.750	0.00	0.08	0.037	O					0.12
30.833	0.00	0.08	0.036	O					0.12
30.917	0.00	0.08	0.036	O					0.12
31.000	0.00	0.08	0.035	O					0.11
31.083	0.00	0.08	0.035	O					0.11
31.167	0.00	0.08	0.034	O					0.11
31.250	0.00	0.08	0.034	O					0.11
31.333	0.00	0.07	0.033	O					0.11
31.417	0.00	0.07	0.033	O					0.11
31.500	0.00	0.07	0.032	O					0.10
31.583	0.00	0.07	0.032	O					0.10
31.667	0.00	0.07	0.031	O					0.10
31.750	0.00	0.07	0.031	O					0.10
31.833	0.00	0.07	0.030	O					0.10
31.917	0.00	0.07	0.030	O					0.10
32.000	0.00	0.07	0.029	O					0.09
32.083	0.00	0.06	0.029	O					0.09
32.167	0.00	0.06	0.028	O					0.09
32.250	0.00	0.06	0.028	O					0.09
32.333	0.00	0.06	0.028	O					0.09
32.417	0.00	0.06	0.027	O					0.09
32.500	0.00	0.06	0.027	O					0.09
32.583	0.00	0.06	0.026	O					0.09
32.667	0.00	0.06	0.026	O					0.08
32.750	0.00	0.06	0.026	O					0.08
32.833	0.00	0.06	0.025	O					0.08
32.917	0.00	0.06	0.025	O					0.08
33.000	0.00	0.05	0.024	O					0.08
33.083	0.00	0.05	0.024	O					0.08
33.167	0.00	0.05	0.024	O					0.08
33.250	0.00	0.05	0.023	O					0.08
33.333	0.00	0.05	0.023	O					0.07
33.417	0.00	0.05	0.023	O					0.07
33.500	0.00	0.05	0.022	O					0.07
33.583	0.00	0.05	0.022	O					0.07
33.667	0.00	0.05	0.022	O					0.07
33.750	0.00	0.05	0.021	O					0.07
33.833	0.00	0.05	0.021	O					0.07
33.917	0.00	0.05	0.021	O					0.07
34.000	0.00	0.05	0.020	O					0.07
34.083	0.00	0.04	0.020	O					0.06
34.167	0.00	0.04	0.020	O					0.06
34.250	0.00	0.04	0.019	O					0.06
34.333	0.00	0.04	0.019	O					0.06
34.417	0.00	0.04	0.019	O					0.06
34.500	0.00	0.04	0.019	O					0.06
34.583	0.00	0.04	0.018	O					0.06
34.667	0.00	0.04	0.018	O					0.06
34.750	0.00	0.04	0.018	O					0.06
34.833	0.00	0.04	0.017	O					0.06

34.917	0.00	0.04	0.017	O	|	|	|	|	0.06
35.000	0.00	0.04	0.017	O	|	|	|	|	0.05
35.083	0.00	0.04	0.017	O	|	|	|	|	0.05
35.167	0.00	0.04	0.016	O	|	|	|	|	0.05
35.250	0.00	0.04	0.016	O	|	|	|	|	0.05
35.333	0.00	0.04	0.016	O	|	|	|	|	0.05
35.417	0.00	0.03	0.016	O	|	|	|	|	0.05
35.500	0.00	0.03	0.015	O	|	|	|	|	0.05
35.583	0.00	0.03	0.015	O	|	|	|	|	0.05
35.667	0.00	0.03	0.015	O	|	|	|	|	0.05
35.750	0.00	0.03	0.015	O	|	|	|	|	0.05
35.833	0.00	0.03	0.015	O	|	|	|	|	0.05
35.917	0.00	0.03	0.014	O	|	|	|	|	0.05
36.000	0.00	0.03	0.014	O	|	|	|	|	0.05
36.083	0.00	0.03	0.014	O	|	|	|	|	0.04
36.167	0.00	0.03	0.014	O	|	|	|	|	0.04
36.250	0.00	0.03	0.013	O	|	|	|	|	0.04
36.333	0.00	0.03	0.013	O	|	|	|	|	0.04
36.417	0.00	0.03	0.013	O	|	|	|	|	0.04
36.500	0.00	0.03	0.013	O	|	|	|	|	0.04
36.583	0.00	0.03	0.013	O	|	|	|	|	0.04
36.667	0.00	0.03	0.012	O	|	|	|	|	0.04
36.750	0.00	0.03	0.012	O	|	|	|	|	0.04
36.833	0.00	0.03	0.012	O	|	|	|	|	0.04
36.917	0.00	0.03	0.012	O	|	|	|	|	0.04
37.000	0.00	0.03	0.012	O	|	|	|	|	0.04
37.083	0.00	0.03	0.012	O	|	|	|	|	0.04
37.167	0.00	0.03	0.011	O	|	|	|	|	0.04
37.250	0.00	0.02	0.011	O	|	|	|	|	0.04
37.333	0.00	0.02	0.011	O	|	|	|	|	0.04
37.417	0.00	0.02	0.011	O	|	|	|	|	0.03
37.500	0.00	0.02	0.011	O	|	|	|	|	0.03
37.583	0.00	0.02	0.011	O	|	|	|	|	0.03
37.667	0.00	0.02	0.010	O	|	|	|	|	0.03
37.750	0.00	0.02	0.010	O	|	|	|	|	0.03
37.833	0.00	0.02	0.010	O	|	|	|	|	0.03
37.917	0.00	0.02	0.010	O	|	|	|	|	0.03
38.000	0.00	0.02	0.010	O	|	|	|	|	0.03
38.083	0.00	0.02	0.010	O	|	|	|	|	0.03
38.167	0.00	0.02	0.009	O	|	|	|	|	0.03
38.250	0.00	0.02	0.009	O	|	|	|	|	0.03
38.333	0.00	0.02	0.009	O	|	|	|	|	0.03
38.417	0.00	0.02	0.009	O	|	|	|	|	0.03
38.500	0.00	0.02	0.009	O	|	|	|	|	0.03
38.583	0.00	0.02	0.009	O	|	|	|	|	0.03
38.667	0.00	0.02	0.009	O	|	|	|	|	0.03
38.750	0.00	0.02	0.008	O	|	|	|	|	0.03
38.833	0.00	0.02	0.008	O	|	|	|	|	0.03
38.917	0.00	0.02	0.008	O	|	|	|	|	0.03
39.000	0.00	0.02	0.008	O	|	|	|	|	0.03
39.083	0.00	0.02	0.008	O	|	|	|	|	0.03
39.167	0.00	0.02	0.008	O	|	|	|	|	0.03
39.250	0.00	0.02	0.008	O	|	|	|	|	0.02
39.333	0.00	0.02	0.008	O	|	|	|	|	0.02
39.417	0.00	0.02	0.008	O	|	|	|	|	0.02
39.500	0.00	0.02	0.007	O	|	|	|	|	0.02
39.583	0.00	0.02	0.007	O	|	|	|	|	0.02
39.667	0.00	0.02	0.007	O	|	|	|	|	0.02
39.750	0.00	0.02	0.007	O	|	|	|	|	0.02
39.833	0.00	0.02	0.007	O	|	|	|	|	0.02
39.917	0.00	0.02	0.007	O	|	|	|	|	0.02
40.000	0.00	0.02	0.007	O	|	|	|	|	0.02
40.083	0.00	0.01	0.007	O	|	|	|	|	0.02
40.167	0.00	0.01	0.007	O	|	|	|	|	0.02
40.250	0.00	0.01	0.006	O	|	|	|	|	0.02
40.333	0.00	0.01	0.006	O	|	|	|	|	0.02
40.417	0.00	0.01	0.006	O	|	|	|	|	0.02
40.500	0.00	0.01	0.006	O	|	|	|	|	0.02
40.583	0.00	0.01	0.006	O	|	|	|	|	0.02

40.667	0.00	0.01	0.006	O					0.02
40.750	0.00	0.01	0.006	O					0.02
40.833	0.00	0.01	0.006	O					0.02
40.917	0.00	0.01	0.006	O					0.02
41.000	0.00	0.01	0.006	O					0.02
41.083	0.00	0.01	0.006	O					0.02
41.167	0.00	0.01	0.005	O					0.02
41.250	0.00	0.01	0.005	O					0.02
41.333	0.00	0.01	0.005	O					0.02
41.417	0.00	0.01	0.005	O					0.02
41.500	0.00	0.01	0.005	O					0.02
41.583	0.00	0.01	0.005	O					0.02
41.667	0.00	0.01	0.005	O					0.02
41.750	0.00	0.01	0.005	O					0.02
41.833	0.00	0.01	0.005	O					0.02
41.917	0.00	0.01	0.005	O					0.02
42.000	0.00	0.01	0.005	O					0.02
42.083	0.00	0.01	0.005	O					0.01
42.167	0.00	0.01	0.005	O					0.01
42.250	0.00	0.01	0.004	O					0.01
42.333	0.00	0.01	0.004	O					0.01
42.417	0.00	0.01	0.004	O					0.01
42.500	0.00	0.01	0.004	O					0.01
42.583	0.00	0.01	0.004	O					0.01
42.667	0.00	0.01	0.004	O					0.01
42.750	0.00	0.01	0.004	O					0.01
42.833	0.00	0.01	0.004	O					0.01
42.917	0.00	0.01	0.004	O					0.01
43.000	0.00	0.01	0.004	O					0.01
43.083	0.00	0.01	0.004	O					0.01
43.167	0.00	0.01	0.004	O					0.01
43.250	0.00	0.01	0.004	O					0.01
43.333	0.00	0.01	0.004	O					0.01
43.417	0.00	0.01	0.004	O					0.01
43.500	0.00	0.01	0.004	O					0.01
43.583	0.00	0.01	0.003	O					0.01
43.667	0.00	0.01	0.003	O					0.01
43.750	0.00	0.01	0.003	O					0.01
43.833	0.00	0.01	0.003	O					0.01
43.917	0.00	0.01	0.003	O					0.01
44.000	0.00	0.01	0.003	O					0.01
44.083	0.00	0.01	0.003	O					0.01
44.167	0.00	0.01	0.003	O					0.01
44.250	0.00	0.01	0.003	O					0.01
44.333	0.00	0.01	0.003	O					0.01
44.417	0.00	0.01	0.003	O					0.01
44.500	0.00	0.01	0.003	O					0.01
44.583	0.00	0.01	0.003	O					0.01
44.667	0.00	0.01	0.003	O					0.01
44.750	0.00	0.01	0.003	O					0.01
44.833	0.00	0.01	0.003	O					0.01
44.917	0.00	0.01	0.003	O					0.01
45.000	0.00	0.01	0.003	O					0.01
45.083	0.00	0.01	0.003	O					0.01
45.167	0.00	0.01	0.003	O					0.01
45.250	0.00	0.01	0.003	O					0.01
45.333	0.00	0.01	0.003	O					0.01
45.417	0.00	0.01	0.002	O					0.01
45.500	0.00	0.01	0.002	O					0.01
45.583	0.00	0.01	0.002	O					0.01
45.667	0.00	0.01	0.002	O					0.01
45.750	0.00	0.01	0.002	O					0.01
45.833	0.00	0.01	0.002	O					0.01
45.917	0.00	0.01	0.002	O					0.01
46.000	0.00	0.00	0.002	O					0.01
46.083	0.00	0.00	0.002	O					0.01
46.167	0.00	0.00	0.002	O					0.01
46.250	0.00	0.00	0.002	O					0.01
46.333	0.00	0.00	0.002	O					0.01

46.417	0.00	0.00	0.002	O				0.01
46.500	0.00	0.00	0.002	O				0.01
46.583	0.00	0.00	0.002	O				0.01
46.667	0.00	0.00	0.002	O				0.01
46.750	0.00	0.00	0.002	O				0.01
46.833	0.00	0.00	0.002	O				0.01
46.917	0.00	0.00	0.002	O				0.01
47.000	0.00	0.00	0.002	O				0.01
47.083	0.00	0.00	0.002	O				0.01
47.167	0.00	0.00	0.002	O				0.01
47.250	0.00	0.00	0.002	O				0.01
47.333	0.00	0.00	0.002	O				0.01
47.417	0.00	0.00	0.002	O				0.01
47.500	0.00	0.00	0.002	O				0.01
47.583	0.00	0.00	0.002	O				0.01
47.667	0.00	0.00	0.002	O				0.01
47.750	0.00	0.00	0.002	O				0.01
47.833	0.00	0.00	0.002	O				0.01
47.917	0.00	0.00	0.002	O				0.01
48.000	0.00	0.00	0.002	O				0.00
48.083	0.00	0.00	0.002	O				0.00
48.167	0.00	0.00	0.002	O				0.00
48.250	0.00	0.00	0.001	O				0.00
48.333	0.00	0.00	0.001	O				0.00
48.417	0.00	0.00	0.001	O				0.00
48.500	0.00	0.00	0.001	O				0.00
48.583	0.00	0.00	0.001	O				0.00
48.667	0.00	0.00	0.001	O				0.00
48.750	0.00	0.00	0.001	O				0.00
48.833	0.00	0.00	0.001	O				0.00
48.917	0.00	0.00	0.001	O				0.00
49.000	0.00	0.00	0.001	O				0.00
49.083	0.00	0.00	0.001	O				0.00
49.167	0.00	0.00	0.001	O				0.00
49.250	0.00	0.00	0.001	O				0.00
49.333	0.00	0.00	0.001	O				0.00
49.417	0.00	0.00	0.001	O				0.00
49.500	0.00	0.00	0.001	O				0.00
49.583	0.00	0.00	0.001	O				0.00
49.667	0.00	0.00	0.001	O				0.00
49.750	0.00	0.00	0.001	O				0.00
49.833	0.00	0.00	0.001	O				0.00
49.917	0.00	0.00	0.001	O				0.00
50.000	0.00	0.00	0.001	O				0.00
50.083	0.00	0.00	0.001	O				0.00
50.167	0.00	0.00	0.001	O				0.00
50.250	0.00	0.00	0.001	O				0.00
50.333	0.00	0.00	0.001	O				0.00
50.417	0.00	0.00	0.001	O				0.00
50.500	0.00	0.00	0.001	O				0.00
50.583	0.00	0.00	0.001	O				0.00
50.667	0.00	0.00	0.001	O				0.00
50.750	0.00	0.00	0.001	O				0.00
50.833	0.00	0.00	0.001	O				0.00
50.917	0.00	0.00	0.001	O				0.00
51.000	0.00	0.00	0.001	O				0.00
51.083	0.00	0.00	0.001	O				0.00
51.167	0.00	0.00	0.001	O				0.00
51.250	0.00	0.00	0.001	O				0.00
51.333	0.00	0.00	0.001	O				0.00
51.417	0.00	0.00	0.001	O				0.00
51.500	0.00	0.00	0.001	O				0.00
51.583	0.00	0.00	0.001	O				0.00
51.667	0.00	0.00	0.001	O				0.00
51.750	0.00	0.00	0.001	O				0.00
51.833	0.00	0.00	0.001	O				0.00
51.917	0.00	0.00	0.001	O				0.00
52.000	0.00	0.00	0.001	O				0.00
52.083	0.00	0.00	0.001	O				0.00

52.167	0.00	0.00	0.001	O	|	|	|	|	0.00
52.250	0.00	0.00	0.001	O	|	|	|	|	0.00
52.333	0.00	0.00	0.001	O	|	|	|	|	0.00
52.417	0.00	0.00	0.001	O	|	|	|	|	0.00
52.500	0.00	0.00	0.001	O	|	|	|	|	0.00
52.583	0.00	0.00	0.001	O	|	|	|	|	0.00
52.667	0.00	0.00	0.001	O	|	|	|	|	0.00
52.750	0.00	0.00	0.001	O	|	|	|	|	0.00
52.833	0.00	0.00	0.001	O	|	|	|	|	0.00
52.917	0.00	0.00	0.001	O	|	|	|	|	0.00
53.000	0.00	0.00	0.001	O	|	|	|	|	0.00
53.083	0.00	0.00	0.001	O	|	|	|	|	0.00
53.167	0.00	0.00	0.001	O	|	|	|	|	0.00
53.250	0.00	0.00	0.001	O	|	|	|	|	0.00
53.333	0.00	0.00	0.001	O	|	|	|	|	0.00
53.417	0.00	0.00	0.001	O	|	|	|	|	0.00
53.500	0.00	0.00	0.001	O	|	|	|	|	0.00
53.583	0.00	0.00	0.001	O	|	|	|	|	0.00
53.667	0.00	0.00	0.001	O	|	|	|	|	0.00
53.750	0.00	0.00	0.001	O	|	|	|	|	0.00
53.833	0.00	0.00	0.001	O	|	|	|	|	0.00
53.917	0.00	0.00	0.001	O	|	|	|	|	0.00
54.000	0.00	0.00	0.001	O	|	|	|	|	0.00
54.083	0.00	0.00	0.001	O	|	|	|	|	0.00
54.167	0.00	0.00	0.000	O	|	|	|	|	0.00
54.250	0.00	0.00	0.000	O	|	|	|	|	0.00
54.333	0.00	0.00	0.000	O	|	|	|	|	0.00
54.417	0.00	0.00	0.000	O	|	|	|	|	0.00
54.500	0.00	0.00	0.000	O	|	|	|	|	0.00
54.583	0.00	0.00	0.000	O	|	|	|	|	0.00
54.667	0.00	0.00	0.000	O	|	|	|	|	0.00
54.750	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 657
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 76.879 (CFS)
Total volume = 4.633 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRC3100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 43
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 75.390 (CFS)
Total volume = 6.437 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN C- ROUTING
100YR-3HR STORM

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 43
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.690	0.308	0.312
2.000	0.660	1.060	0.656	0.664
3.000	1.070	1.330	1.065	1.075
4.000	1.540	1.550	1.535	1.545
4.200	1.640	1.590	1.635	1.645
5.000	2.070	3.520	2.058	2.082
6.000	2.660	4.910	2.643	2.677
7.000	3.310	85.840	3.014	3.606

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	18.8	37.69	56.54	75.39	Depth (Ft.)
0.083	1.74	0.01	0.006	O	|	|	|	|	0.02
0.167	6.12	0.07	0.033	O I	|	|	|	|	0.11
0.250	7.09	0.17	0.077	O I	|	|	|	|	0.25
0.333	7.50	0.28	0.126	O I	|	|	|	|	0.41
0.417	9.72	0.41	0.183	O I	|	|	|	|	0.59

0.500	11.16	0.56	0.252	O	I				0.81
0.583	12.54	0.71	0.329	O	I				1.05
0.667	12.33	0.79	0.409	O	I				1.28
0.750	13.78	0.88	0.493	O	I				1.52
0.833	13.59	0.98	0.581	O	I				1.78
0.917	12.41	1.06	0.664	O	I				2.01
1.000	12.97	1.12	0.744	O	I				2.20
1.083	14.98	1.17	0.832	O	I				2.42
1.167	17.50	1.24	0.936	O	I				2.67
1.250	18.38	1.32	1.050	O	I				2.95
1.333	18.33	1.38	1.167	O	I				3.21
1.417	18.75	1.43	1.286	O	I				3.46
1.500	22.10	1.49	1.416	O	I				3.74
1.583	23.01	1.56	1.561	O	I				4.04
1.667	22.65	1.89	1.706	O	I				4.32
1.750	25.39	2.56	1.857	O	I				4.60
1.833	28.75	3.31	2.023	O	I				4.91
1.917	28.48	3.82	2.195	O	I				5.21
2.000	27.89	4.21	2.362	O	I				5.49
2.083	28.47	4.59	2.526	O	I				5.77
2.167	31.55	8.36	2.688	O	I				6.04
2.250	39.67	24.72	2.819	O	I				6.24
2.333	42.89	34.66	2.899	O	I				6.37
2.417	44.18	39.98	2.942	O	I				6.43
2.500	62.02	47.85	3.005	O	I				6.53
2.583	72.16	59.40	3.098	O	I				6.67
2.667	75.39	**68.02**	**3.167**	**O**	**I**				**6.78**
2.750	57.47	67.07	3.159	O	I				6.77
2.833	33.15	54.01	3.054	O	I				6.61
2.917	24.13	38.78	2.932	O	I				6.42
3.000	18.14	28.19	2.847	O	I				6.29
3.083	9.35	19.52	2.777	O	I				6.18
3.167	4.76	12.04	2.717	O	I				6.09
3.250	2.35	6.95	2.676	O	I				6.03
3.333	0.97	4.88	2.647	O	I				5.98
3.417	0.52	4.81	2.619	O	I				5.93
3.500	0.26	4.74	2.589	O	I				5.88
3.583	0.04	4.67	2.557	O	I				5.83
3.667	0.00	4.59	2.525	O	I				5.77
3.750	0.00	4.52	2.494	O	I				5.72
3.833	0.00	4.45	2.463	O	I				5.67
3.917	0.00	4.37	2.433	O	I				5.62
4.000	0.00	4.30	2.403	O	I				5.56
4.083	0.00	4.24	2.374	O	I				5.51
4.167	0.00	4.17	2.345	O	I				5.47
4.250	0.00	4.10	2.316	O	I				5.42
4.333	0.00	4.03	2.288	O	I				5.37
4.417	0.00	3.97	2.261	O	I				5.32
4.500	0.00	3.91	2.233	O	I				5.28
4.583	0.00	3.84	2.207	O	I				5.23
4.667	0.00	3.78	2.181	O	I				5.19
4.750	0.00	3.72	2.155	O	I				5.14
4.833	0.00	3.66	2.129	O	I				5.10
4.917	0.00	3.60	2.104	O	I				5.06
5.000	0.00	3.54	2.080	O	I				5.02
5.083	0.00	3.46	2.056	O	I				4.97
5.167	0.00	3.35	2.032	O	I				4.93
5.250	0.00	3.25	2.009	O	I				4.89
5.333	0.00	3.15	1.987	O	I				4.85
5.417	0.00	3.05	1.966	O	I				4.81
5.500	0.00	2.96	1.945	O	I				4.77
5.583	0.00	2.87	1.925	O	I				4.73
5.667	0.00	2.78	1.906	O	I				4.69
5.750	0.00	2.70	1.887	O	I				4.66
5.833	0.00	2.62	1.869	O	I				4.63
5.917	0.00	2.54	1.851	O	I				4.59
6.000	0.00	2.46	1.834	O	I				4.56
6.083	0.00	2.38	1.817	O	I				4.53
6.167	0.00	2.31	1.801	O	I				4.50

6.250	0.00	2.24	1.785	O	|	|	|	|	4.47
6.333	0.00	2.17	1.770	O	|	|	|	|	4.44
6.417	0.00	2.11	1.755	O	|	|	|	|	4.41
6.500	0.00	2.04	1.741	O	|	|	|	|	4.39
6.583	0.00	1.98	1.727	O	|	|	|	|	4.36
6.667	0.00	1.92	1.714	O	|	|	|	|	4.34
6.750	0.00	1.86	1.701	O	|	|	|	|	4.31
6.833	0.00	1.81	1.688	O	|	|	|	|	4.29
6.917	0.00	1.75	1.676	O	|	|	|	|	4.27
7.000	0.00	1.70	1.664	O	|	|	|	|	4.24
7.083	0.00	1.65	1.652	O	|	|	|	|	4.22
7.167	0.00	1.60	1.641	O	|	|	|	|	4.20
7.250	0.00	1.59	1.630	O	|	|	|	|	4.18
7.333	0.00	1.58	1.619	O	|	|	|	|	4.16
7.417	0.00	1.58	1.608	O	|	|	|	|	4.14
7.500	0.00	1.57	1.598	O	|	|	|	|	4.12
7.583	0.00	1.57	1.587	O	|	|	|	|	4.09
7.667	0.00	1.56	1.576	O	|	|	|	|	4.07
7.750	0.00	1.56	1.565	O	|	|	|	|	4.05
7.833	0.00	1.56	1.555	O	|	|	|	|	4.03
7.917	0.00	1.55	1.544	O	|	|	|	|	4.01
8.000	0.00	1.55	1.533	O	|	|	|	|	3.99
8.083	0.00	1.54	1.522	O	|	|	|	|	3.96
8.167	0.00	1.54	1.512	O	|	|	|	|	3.94
8.250	0.00	1.53	1.501	O	|	|	|	|	3.92
8.333	0.00	1.53	1.491	O	|	|	|	|	3.90
8.417	0.00	1.52	1.480	O	|	|	|	|	3.87
8.500	0.00	1.52	1.470	O	|	|	|	|	3.85
8.583	0.00	1.51	1.459	O	|	|	|	|	3.83
8.667	0.00	1.51	1.449	O	|	|	|	|	3.81
8.750	0.00	1.50	1.439	O	|	|	|	|	3.78
8.833	0.00	1.50	1.428	O	|	|	|	|	3.76
8.917	0.00	1.49	1.418	O	|	|	|	|	3.74
9.000	0.00	1.49	1.408	O	|	|	|	|	3.72
9.083	0.00	1.48	1.398	O	|	|	|	|	3.70
9.167	0.00	1.48	1.387	O	|	|	|	|	3.68
9.250	0.00	1.47	1.377	O	|	|	|	|	3.65
9.333	0.00	1.47	1.367	O	|	|	|	|	3.63
9.417	0.00	1.46	1.357	O	|	|	|	|	3.61
9.500	0.00	1.46	1.347	O	|	|	|	|	3.59
9.583	0.00	1.45	1.337	O	|	|	|	|	3.57
9.667	0.00	1.45	1.327	O	|	|	|	|	3.55
9.750	0.00	1.45	1.317	O	|	|	|	|	3.53
9.833	0.00	1.44	1.307	O	|	|	|	|	3.50
9.917	0.00	1.44	1.297	O	|	|	|	|	3.48
10.000	0.00	1.43	1.287	O	|	|	|	|	3.46
10.083	0.00	1.43	1.277	O	|	|	|	|	3.44
10.167	0.00	1.42	1.267	O	|	|	|	|	3.42
10.250	0.00	1.42	1.258	O	|	|	|	|	3.40
10.333	0.00	1.41	1.248	O	|	|	|	|	3.38
10.417	0.00	1.41	1.238	O	|	|	|	|	3.36
10.500	0.00	1.40	1.229	O	|	|	|	|	3.34
10.583	0.00	1.40	1.219	O	|	|	|	|	3.32
10.667	0.00	1.40	1.209	O	|	|	|	|	3.30
10.750	0.00	1.39	1.200	O	|	|	|	|	3.28
10.833	0.00	1.39	1.190	O	|	|	|	|	3.26
10.917	0.00	1.38	1.181	O	|	|	|	|	3.24
11.000	0.00	1.38	1.171	O	|	|	|	|	3.22
11.083	0.00	1.37	1.162	O	|	|	|	|	3.19
11.167	0.00	1.37	1.152	O	|	|	|	|	3.17
11.250	0.00	1.36	1.143	O	|	|	|	|	3.15
11.333	0.00	1.36	1.133	O	|	|	|	|	3.13
11.417	0.00	1.36	1.124	O	|	|	|	|	3.11
11.500	0.00	1.35	1.115	O	|	|	|	|	3.10
11.583	0.00	1.35	1.105	O	|	|	|	|	3.08
11.667	0.00	1.34	1.096	O	|	|	|	|	3.06
11.750	0.00	1.34	1.087	O	|	|	|	|	3.04
11.833	0.00	1.33	1.078	O	|	|	|	|	3.02
11.917	0.00	1.33	1.069	O	|	|	|	|	3.00

12.000	0.00	1.32	1.059	O					2.97
12.083	0.00	1.32	1.050	O					2.95
12.167	0.00	1.31	1.041	O					2.93
12.250	0.00	1.31	1.032	O					2.91
12.333	0.00	1.30	1.023	O					2.89
12.417	0.00	1.29	1.014	O					2.86
12.500	0.00	1.29	1.005	O					2.84
12.583	0.00	1.28	0.997	O					2.82
12.667	0.00	1.28	0.988	O					2.80
12.750	0.00	1.27	0.979	O					2.78
12.833	0.00	1.26	0.970	O					2.76
12.917	0.00	1.26	0.962	O					2.74
13.000	0.00	1.25	0.953	O					2.71
13.083	0.00	1.25	0.944	O					2.69
13.167	0.00	1.24	0.936	O					2.67
13.250	0.00	1.24	0.927	O					2.65
13.333	0.00	1.23	0.919	O					2.63
13.417	0.00	1.22	0.910	O					2.61
13.500	0.00	1.22	0.902	O					2.59
13.583	0.00	1.21	0.894	O					2.57
13.667	0.00	1.21	0.885	O					2.55
13.750	0.00	1.20	0.877	O					2.53
13.833	0.00	1.20	0.869	O					2.51
13.917	0.00	1.19	0.860	O					2.49
14.000	0.00	1.19	0.852	O					2.47
14.083	0.00	1.18	0.844	O					2.45
14.167	0.00	1.18	0.836	O					2.43
14.250	0.00	1.17	0.828	O					2.41
14.333	0.00	1.17	0.820	O					2.39
14.417	0.00	1.16	0.812	O					2.37
14.500	0.00	1.15	0.804	O					2.35
14.583	0.00	1.15	0.796	O					2.33
14.667	0.00	1.14	0.788	O					2.31
14.750	0.00	1.14	0.780	O					2.29
14.833	0.00	1.13	0.772	O					2.27
14.917	0.00	1.13	0.765	O					2.25
15.000	0.00	1.12	0.757	O					2.24
15.083	0.00	1.12	0.749	O					2.22
15.167	0.00	1.11	0.741	O					2.20
15.250	0.00	1.11	0.734	O					2.18
15.333	0.00	1.10	0.726	O					2.16
15.417	0.00	1.10	0.719	O					2.14
15.500	0.00	1.09	0.711	O					2.12
15.583	0.00	1.09	0.703	O					2.11
15.667	0.00	1.08	0.696	O					2.09
15.750	0.00	1.08	0.689	O					2.07
15.833	0.00	1.07	0.681	O					2.05
15.917	0.00	1.07	0.674	O					2.03
16.000	0.00	1.06	0.666	O					2.02
16.083	0.00	1.06	0.659	O					2.00
16.167	0.00	1.05	0.652	O					1.98
16.250	0.00	1.04	0.645	O					1.96
16.333	0.00	1.04	0.637	O					1.94
16.417	0.00	1.03	0.630	O					1.92
16.500	0.00	1.02	0.623	O					1.90
16.583	0.00	1.01	0.616	O					1.87
16.667	0.00	1.01	0.609	O					1.86
16.750	0.00	1.00	0.602	O					1.84
16.833	0.00	0.99	0.596	O					1.82
16.917	0.00	0.98	0.589	O					1.80
17.000	0.00	0.98	0.582	O					1.78
17.083	0.00	0.97	0.575	O					1.76
17.167	0.00	0.96	0.569	O					1.74
17.250	0.00	0.96	0.562	O					1.72
17.333	0.00	0.95	0.555	O					1.70
17.417	0.00	0.94	0.549	O					1.68
17.500	0.00	0.94	0.542	O					1.66
17.583	0.00	0.93	0.536	O					1.65
17.667	0.00	0.92	0.530	O					1.63

17.750	0.00	0.92	0.523	O	|	|	|	|	1.61
17.833	0.00	0.91	0.517	O	|	|	|	|	1.59
17.917	0.00	0.90	0.511	O	|	|	|	|	1.57
18.000	0.00	0.90	0.505	O	|	|	|	|	1.56
18.083	0.00	0.89	0.498	O	|	|	|	|	1.54
18.167	0.00	0.88	0.492	O	|	|	|	|	1.52
18.250	0.00	0.88	0.486	O	|	|	|	|	1.50
18.333	0.00	0.87	0.480	O	|	|	|	|	1.49
18.417	0.00	0.86	0.474	O	|	|	|	|	1.47
18.500	0.00	0.86	0.468	O	|	|	|	|	1.45
18.583	0.00	0.85	0.463	O	|	|	|	|	1.44
18.667	0.00	0.85	0.457	O	|	|	|	|	1.42
18.750	0.00	0.84	0.451	O	|	|	|	|	1.40
18.833	0.00	0.83	0.445	O	|	|	|	|	1.39
18.917	0.00	0.83	0.439	O	|	|	|	|	1.37
19.000	0.00	0.82	0.434	O	|	|	|	|	1.35
19.083	0.00	0.81	0.428	O	|	|	|	|	1.34
19.167	0.00	0.81	0.422	O	|	|	|	|	1.32
19.250	0.00	0.80	0.417	O	|	|	|	|	1.31
19.333	0.00	0.80	0.411	O	|	|	|	|	1.29
19.417	0.00	0.79	0.406	O	|	|	|	|	1.27
19.500	0.00	0.79	0.401	O	|	|	|	|	1.26
19.583	0.00	0.78	0.395	O	|	|	|	|	1.24
19.667	0.00	0.77	0.390	O	|	|	|	|	1.23
19.750	0.00	0.77	0.384	O	|	|	|	|	1.21
19.833	0.00	0.76	0.379	O	|	|	|	|	1.20
19.917	0.00	0.76	0.374	O	|	|	|	|	1.18
20.000	0.00	0.75	0.369	O	|	|	|	|	1.17
20.083	0.00	0.75	0.364	O	|	|	|	|	1.15
20.167	0.00	0.74	0.358	O	|	|	|	|	1.14
20.250	0.00	0.74	0.353	O	|	|	|	|	1.12
20.333	0.00	0.73	0.348	O	|	|	|	|	1.11
20.417	0.00	0.73	0.343	O	|	|	|	|	1.10
20.500	0.00	0.72	0.338	O	|	|	|	|	1.08
20.583	0.00	0.71	0.333	O	|	|	|	|	1.07
20.667	0.00	0.71	0.329	O	|	|	|	|	1.05
20.750	0.00	0.70	0.324	O	|	|	|	|	1.04
20.833	0.00	0.70	0.319	O	|	|	|	|	1.03
20.917	0.00	0.69	0.314	O	|	|	|	|	1.01
21.000	0.00	0.69	0.309	O	|	|	|	|	1.00
21.083	0.00	0.68	0.305	O	|	|	|	|	0.98
21.167	0.00	0.67	0.300	O	|	|	|	|	0.97
21.250	0.00	0.66	0.295	O	|	|	|	|	0.95
21.333	0.00	0.65	0.291	O	|	|	|	|	0.94
21.417	0.00	0.64	0.286	O	|	|	|	|	0.92
21.500	0.00	0.63	0.282	O	|	|	|	|	0.91
21.583	0.00	0.62	0.278	O	|	|	|	|	0.90
21.667	0.00	0.61	0.274	O	|	|	|	|	0.88
21.750	0.00	0.60	0.269	O	|	|	|	|	0.87
21.833	0.00	0.59	0.265	O	|	|	|	|	0.86
21.917	0.00	0.58	0.261	O	|	|	|	|	0.84
22.000	0.00	0.57	0.257	O	|	|	|	|	0.83
22.083	0.00	0.56	0.253	O	|	|	|	|	0.82
22.167	0.00	0.56	0.250	O	|	|	|	|	0.80
22.250	0.00	0.55	0.246	O	|	|	|	|	0.79
22.333	0.00	0.54	0.242	O	|	|	|	|	0.78
22.417	0.00	0.53	0.238	O	|	|	|	|	0.77
22.500	0.00	0.52	0.235	O	|	|	|	|	0.76
22.583	0.00	0.51	0.231	O	|	|	|	|	0.75
22.667	0.00	0.51	0.228	O	|	|	|	|	0.73
22.750	0.00	0.50	0.224	O	|	|	|	|	0.72
22.833	0.00	0.49	0.221	O	|	|	|	|	0.71
22.917	0.00	0.48	0.217	O	|	|	|	|	0.70
23.000	0.00	0.48	0.214	O	|	|	|	|	0.69
23.083	0.00	0.47	0.211	O	|	|	|	|	0.68
23.167	0.00	0.46	0.208	O	|	|	|	|	0.67
23.250	0.00	0.46	0.204	O	|	|	|	|	0.66
23.333	0.00	0.45	0.201	O	|	|	|	|	0.65
23.417	0.00	0.44	0.198	O	|	|	|	|	0.64

23.500	0.00	0.43	0.195	O					0.63
23.583	0.00	0.43	0.192	O					0.62
23.667	0.00	0.42	0.189	O					0.61
23.750	0.00	0.42	0.186	O					0.60
23.833	0.00	0.41	0.184	O					0.59
23.917	0.00	0.40	0.181	O					0.58
24.000	0.00	0.40	0.178	O					0.57
24.083	0.00	0.39	0.175	O					0.57
24.167	0.00	0.38	0.173	O					0.56
24.250	0.00	0.38	0.170	O					0.55
24.333	0.00	0.37	0.167	O					0.54
24.417	0.00	0.37	0.165	O					0.53
24.500	0.00	0.36	0.162	O					0.52
24.583	0.00	0.36	0.160	O					0.52
24.667	0.00	0.35	0.158	O					0.51
24.750	0.00	0.35	0.155	O					0.50
24.833	0.00	0.34	0.153	O					0.49
24.917	0.00	0.33	0.150	O					0.49
25.000	0.00	0.33	0.148	O					0.48
25.083	0.00	0.32	0.146	O					0.47
25.167	0.00	0.32	0.144	O					0.46
25.250	0.00	0.31	0.142	O					0.46
25.333	0.00	0.31	0.139	O					0.45
25.417	0.00	0.31	0.137	O					0.44
25.500	0.00	0.30	0.135	O					0.44
25.583	0.00	0.30	0.133	O					0.43
25.667	0.00	0.29	0.131	O					0.42
25.750	0.00	0.29	0.129	O					0.42
25.833	0.00	0.28	0.127	O					0.41
25.917	0.00	0.28	0.125	O					0.40
26.000	0.00	0.27	0.123	O					0.40
26.083	0.00	0.27	0.121	O					0.39
26.167	0.00	0.27	0.120	O					0.39
26.250	0.00	0.26	0.118	O					0.38
26.333	0.00	0.26	0.116	O					0.37
26.417	0.00	0.25	0.114	O					0.37
26.500	0.00	0.25	0.112	O					0.36
26.583	0.00	0.25	0.111	O					0.36
26.667	0.00	0.24	0.109	O					0.35
26.750	0.00	0.24	0.107	O					0.35
26.833	0.00	0.24	0.106	O					0.34
26.917	0.00	0.23	0.104	O					0.34
27.000	0.00	0.23	0.103	O					0.33
27.083	0.00	0.22	0.101	O					0.33
27.167	0.00	0.22	0.099	O					0.32
27.250	0.00	0.22	0.098	O					0.32
27.333	0.00	0.21	0.096	O					0.31
27.417	0.00	0.21	0.095	O					0.31
27.500	0.00	0.21	0.094	O					0.30
27.583	0.00	0.21	0.092	O					0.30
27.667	0.00	0.20	0.091	O					0.29
27.750	0.00	0.20	0.089	O					0.29
27.833	0.00	0.20	0.088	O					0.28
27.917	0.00	0.19	0.087	O					0.28
28.000	0.00	0.19	0.085	O					0.28
28.083	0.00	0.19	0.084	O					0.27
28.167	0.00	0.18	0.083	O					0.27
28.250	0.00	0.18	0.081	O					0.26
28.333	0.00	0.18	0.080	O					0.26
28.417	0.00	0.18	0.079	O					0.25
28.500	0.00	0.17	0.078	O					0.25
28.583	0.00	0.17	0.077	O					0.25
28.667	0.00	0.17	0.075	O					0.24
28.750	0.00	0.17	0.074	O					0.24
28.833	0.00	0.16	0.073	O					0.24
28.917	0.00	0.16	0.072	O					0.23
29.000	0.00	0.16	0.071	O					0.23
29.083	0.00	0.16	0.070	O					0.23
29.167	0.00	0.15	0.069	O					0.22

29.250	0.00	0.15	0.068	O	|	|	|	|	0.22
29.333	0.00	0.15	0.067	O	|	|	|	|	0.22
29.417	0.00	0.15	0.066	O	|	|	|	|	0.21
29.500	0.00	0.14	0.065	O	|	|	|	|	0.21
29.583	0.00	0.14	0.064	O	|	|	|	|	0.21
29.667	0.00	0.14	0.063	O	|	|	|	|	0.20
29.750	0.00	0.14	0.062	O	|	|	|	|	0.20
29.833	0.00	0.14	0.061	O	|	|	|	|	0.20
29.917	0.00	0.13	0.060	O	|	|	|	|	0.19
30.000	0.00	0.13	0.059	O	|	|	|	|	0.19
30.083	0.00	0.13	0.058	O	|	|	|	|	0.19
30.167	0.00	0.13	0.057	O	|	|	|	|	0.18
30.250	0.00	0.13	0.056	O	|	|	|	|	0.18
30.333	0.00	0.12	0.056	O	|	|	|	|	0.18
30.417	0.00	0.12	0.055	O	|	|	|	|	0.18
30.500	0.00	0.12	0.054	O	|	|	|	|	0.17
30.583	0.00	0.12	0.053	O	|	|	|	|	0.17
30.667	0.00	0.12	0.052	O	|	|	|	|	0.17
30.750	0.00	0.11	0.051	O	|	|	|	|	0.17
30.833	0.00	0.11	0.051	O	|	|	|	|	0.16
30.917	0.00	0.11	0.050	O	|	|	|	|	0.16
31.000	0.00	0.11	0.049	O	|	|	|	|	0.16
31.083	0.00	0.11	0.048	O	|	|	|	|	0.16
31.167	0.00	0.11	0.048	O	|	|	|	|	0.15
31.250	0.00	0.10	0.047	O	|	|	|	|	0.15
31.333	0.00	0.10	0.046	O	|	|	|	|	0.15
31.417	0.00	0.10	0.046	O	|	|	|	|	0.15
31.500	0.00	0.10	0.045	O	|	|	|	|	0.14
31.583	0.00	0.10	0.044	O	|	|	|	|	0.14
31.667	0.00	0.10	0.043	O	|	|	|	|	0.14
31.750	0.00	0.10	0.043	O	|	|	|	|	0.14
31.833	0.00	0.09	0.042	O	|	|	|	|	0.14
31.917	0.00	0.09	0.042	O	|	|	|	|	0.13
32.000	0.00	0.09	0.041	O	|	|	|	|	0.13
32.083	0.00	0.09	0.040	O	|	|	|	|	0.13
32.167	0.00	0.09	0.040	O	|	|	|	|	0.13
32.250	0.00	0.09	0.039	O	|	|	|	|	0.13
32.333	0.00	0.09	0.038	O	|	|	|	|	0.12
32.417	0.00	0.08	0.038	O	|	|	|	|	0.12
32.500	0.00	0.08	0.037	O	|	|	|	|	0.12
32.583	0.00	0.08	0.037	O	|	|	|	|	0.12
32.667	0.00	0.08	0.036	O	|	|	|	|	0.12
32.750	0.00	0.08	0.036	O	|	|	|	|	0.11
32.833	0.00	0.08	0.035	O	|	|	|	|	0.11
32.917	0.00	0.08	0.035	O	|	|	|	|	0.11
33.000	0.00	0.08	0.034	O	|	|	|	|	0.11
33.083	0.00	0.07	0.033	O	|	|	|	|	0.11
33.167	0.00	0.07	0.033	O	|	|	|	|	0.11
33.250	0.00	0.07	0.032	O	|	|	|	|	0.10
33.333	0.00	0.07	0.032	O	|	|	|	|	0.10
33.417	0.00	0.07	0.032	O	|	|	|	|	0.10
33.500	0.00	0.07	0.031	O	|	|	|	|	0.10
33.583	0.00	0.07	0.031	O	|	|	|	|	0.10
33.667	0.00	0.07	0.030	O	|	|	|	|	0.10
33.750	0.00	0.07	0.030	O	|	|	|	|	0.10
33.833	0.00	0.06	0.029	O	|	|	|	|	0.09
33.917	0.00	0.06	0.029	O	|	|	|	|	0.09
34.000	0.00	0.06	0.028	O	|	|	|	|	0.09
34.083	0.00	0.06	0.028	O	|	|	|	|	0.09
34.167	0.00	0.06	0.027	O	|	|	|	|	0.09
34.250	0.00	0.06	0.027	O	|	|	|	|	0.09
34.333	0.00	0.06	0.027	O	|	|	|	|	0.09
34.417	0.00	0.06	0.026	O	|	|	|	|	0.08
34.500	0.00	0.06	0.026	O	|	|	|	|	0.08
34.583	0.00	0.06	0.025	O	|	|	|	|	0.08
34.667	0.00	0.06	0.025	O	|	|	|	|	0.08
34.750	0.00	0.05	0.025	O	|	|	|	|	0.08
34.833	0.00	0.05	0.024	O	|	|	|	|	0.08
34.917	0.00	0.05	0.024	O	|	|	|	|	0.08

35.000	0.00	0.05	0.024	O	|	|	|	|	0.08
35.083	0.00	0.05	0.023	O	|	|	|	|	0.07
35.167	0.00	0.05	0.023	O	|	|	|	|	0.07
35.250	0.00	0.05	0.022	O	|	|	|	|	0.07
35.333	0.00	0.05	0.022	O	|	|	|	|	0.07
35.417	0.00	0.05	0.022	O	|	|	|	|	0.07
35.500	0.00	0.05	0.021	O	|	|	|	|	0.07
35.583	0.00	0.05	0.021	O	|	|	|	|	0.07
35.667	0.00	0.05	0.021	O	|	|	|	|	0.07
35.750	0.00	0.05	0.021	O	|	|	|	|	0.07
35.833	0.00	0.04	0.020	O	|	|	|	|	0.07
35.917	0.00	0.04	0.020	O	|	|	|	|	0.06
36.000	0.00	0.04	0.020	O	|	|	|	|	0.06
36.083	0.00	0.04	0.019	O	|	|	|	|	0.06
36.167	0.00	0.04	0.019	O	|	|	|	|	0.06
36.250	0.00	0.04	0.019	O	|	|	|	|	0.06
36.333	0.00	0.04	0.018	O	|	|	|	|	0.06
36.417	0.00	0.04	0.018	O	|	|	|	|	0.06
36.500	0.00	0.04	0.018	O	|	|	|	|	0.06
36.583	0.00	0.04	0.018	O	|	|	|	|	0.06
36.667	0.00	0.04	0.017	O	|	|	|	|	0.06
36.750	0.00	0.04	0.017	O	|	|	|	|	0.06
36.833	0.00	0.04	0.017	O	|	|	|	|	0.05
36.917	0.00	0.04	0.017	O	|	|	|	|	0.05
37.000	0.00	0.04	0.016	O	|	|	|	|	0.05
37.083	0.00	0.04	0.016	O	|	|	|	|	0.05
37.167	0.00	0.04	0.016	O	|	|	|	|	0.05
37.250	0.00	0.03	0.016	O	|	|	|	|	0.05
37.333	0.00	0.03	0.015	O	|	|	|	|	0.05
37.417	0.00	0.03	0.015	O	|	|	|	|	0.05
37.500	0.00	0.03	0.015	O	|	|	|	|	0.05
37.583	0.00	0.03	0.015	O	|	|	|	|	0.05
37.667	0.00	0.03	0.014	O	|	|	|	|	0.05
37.750	0.00	0.03	0.014	O	|	|	|	|	0.05
37.833	0.00	0.03	0.014	O	|	|	|	|	0.05
37.917	0.00	0.03	0.014	O	|	|	|	|	0.04
38.000	0.00	0.03	0.014	O	|	|	|	|	0.04
38.083	0.00	0.03	0.013	O	|	|	|	|	0.04
38.167	0.00	0.03	0.013	O	|	|	|	|	0.04
38.250	0.00	0.03	0.013	O	|	|	|	|	0.04
38.333	0.00	0.03	0.013	O	|	|	|	|	0.04
38.417	0.00	0.03	0.013	O	|	|	|	|	0.04
38.500	0.00	0.03	0.012	O	|	|	|	|	0.04
38.583	0.00	0.03	0.012	O	|	|	|	|	0.04
38.667	0.00	0.03	0.012	O	|	|	|	|	0.04
38.750	0.00	0.03	0.012	O	|	|	|	|	0.04
38.833	0.00	0.03	0.012	O	|	|	|	|	0.04
38.917	0.00	0.03	0.011	O	|	|	|	|	0.04
39.000	0.00	0.03	0.011	O	|	|	|	|	0.04
39.083	0.00	0.02	0.011	O	|	|	|	|	0.04
39.167	0.00	0.02	0.011	O	|	|	|	|	0.04
39.250	0.00	0.02	0.011	O	|	|	|	|	0.03
39.333	0.00	0.02	0.011	O	|	|	|	|	0.03
39.417	0.00	0.02	0.010	O	|	|	|	|	0.03
39.500	0.00	0.02	0.010	O	|	|	|	|	0.03
39.583	0.00	0.02	0.010	O	|	|	|	|	0.03
39.667	0.00	0.02	0.010	O	|	|	|	|	0.03
39.750	0.00	0.02	0.010	O	|	|	|	|	0.03
39.833	0.00	0.02	0.010	O	|	|	|	|	0.03
39.917	0.00	0.02	0.010	O	|	|	|	|	0.03
40.000	0.00	0.02	0.009	O	|	|	|	|	0.03
40.083	0.00	0.02	0.009	O	|	|	|	|	0.03
40.167	0.00	0.02	0.009	O	|	|	|	|	0.03
40.250	0.00	0.02	0.009	O	|	|	|	|	0.03
40.333	0.00	0.02	0.009	O	|	|	|	|	0.03
40.417	0.00	0.02	0.009	O	|	|	|	|	0.03
40.500	0.00	0.02	0.009	O	|	|	|	|	0.03
40.583	0.00	0.02	0.008	O	|	|	|	|	0.03
40.667	0.00	0.02	0.008	O	|	|	|	|	0.03

40.750	0.00	0.02	0.008	O					0.03
40.833	0.00	0.02	0.008	O					0.03
40.917	0.00	0.02	0.008	O					0.03
41.000	0.00	0.02	0.008	O					0.03
41.083	0.00	0.02	0.008	O					0.02
41.167	0.00	0.02	0.008	O					0.02
41.250	0.00	0.02	0.007	O					0.02
41.333	0.00	0.02	0.007	O					0.02
41.417	0.00	0.02	0.007	O					0.02
41.500	0.00	0.02	0.007	O					0.02
41.583	0.00	0.02	0.007	O					0.02
41.667	0.00	0.02	0.007	O					0.02
41.750	0.00	0.02	0.007	O					0.02
41.833	0.00	0.01	0.007	O					0.02
41.917	0.00	0.01	0.007	O					0.02
42.000	0.00	0.01	0.006	O					0.02
42.083	0.00	0.01	0.006	O					0.02
42.167	0.00	0.01	0.006	O					0.02
42.250	0.00	0.01	0.006	O					0.02
42.333	0.00	0.01	0.006	O					0.02
42.417	0.00	0.01	0.006	O					0.02
42.500	0.00	0.01	0.006	O					0.02
42.583	0.00	0.01	0.006	O					0.02
42.667	0.00	0.01	0.006	O					0.02
42.750	0.00	0.01	0.006	O					0.02
42.833	0.00	0.01	0.006	O					0.02
42.917	0.00	0.01	0.005	O					0.02
43.000	0.00	0.01	0.005	O					0.02
43.083	0.00	0.01	0.005	O					0.02
43.167	0.00	0.01	0.005	O					0.02
43.250	0.00	0.01	0.005	O					0.02
43.333	0.00	0.01	0.005	O					0.02
43.417	0.00	0.01	0.005	O					0.02
43.500	0.00	0.01	0.005	O					0.02
43.583	0.00	0.01	0.005	O					0.02
43.667	0.00	0.01	0.005	O					0.02
43.750	0.00	0.01	0.005	O					0.02
43.833	0.00	0.01	0.005	O					0.01
43.917	0.00	0.01	0.005	O					0.01
44.000	0.00	0.01	0.004	O					0.01
44.083	0.00	0.01	0.004	O					0.01
44.167	0.00	0.01	0.004	O					0.01
44.250	0.00	0.01	0.004	O					0.01
44.333	0.00	0.01	0.004	O					0.01
44.417	0.00	0.01	0.004	O					0.01
44.500	0.00	0.01	0.004	O					0.01
44.583	0.00	0.01	0.004	O					0.01
44.667	0.00	0.01	0.004	O					0.01
44.750	0.00	0.01	0.004	O					0.01
44.833	0.00	0.01	0.004	O					0.01
44.917	0.00	0.01	0.004	O					0.01
45.000	0.00	0.01	0.004	O					0.01
45.083	0.00	0.01	0.004	O					0.01
45.167	0.00	0.01	0.004	O					0.01
45.250	0.00	0.01	0.004	O					0.01
45.333	0.00	0.01	0.004	O					0.01
45.417	0.00	0.01	0.003	O					0.01
45.500	0.00	0.01	0.003	O					0.01
45.583	0.00	0.01	0.003	O					0.01
45.667	0.00	0.01	0.003	O					0.01
45.750	0.00	0.01	0.003	O					0.01
45.833	0.00	0.01	0.003	O					0.01
45.917	0.00	0.01	0.003	O					0.01
46.000	0.00	0.01	0.003	O					0.01
46.083	0.00	0.01	0.003	O					0.01
46.167	0.00	0.01	0.003	O					0.01
46.250	0.00	0.01	0.003	O					0.01
46.333	0.00	0.01	0.003	O					0.01
46.417	0.00	0.01	0.003	O					0.01

46.500	0.00	0.01	0.003	O					0.01
46.583	0.00	0.01	0.003	O					0.01
46.667	0.00	0.01	0.003	O					0.01
46.750	0.00	0.01	0.003	O					0.01
46.833	0.00	0.01	0.003	O					0.01
46.917	0.00	0.01	0.003	O					0.01
47.000	0.00	0.01	0.003	O					0.01
47.083	0.00	0.01	0.003	O					0.01
47.167	0.00	0.01	0.003	O					0.01
47.250	0.00	0.01	0.002	O					0.01
47.333	0.00	0.01	0.002	O					0.01
47.417	0.00	0.01	0.002	O					0.01
47.500	0.00	0.01	0.002	O					0.01
47.583	0.00	0.01	0.002	O					0.01
47.667	0.00	0.01	0.002	O					0.01
47.750	0.00	0.01	0.002	O					0.01
47.833	0.00	0.00	0.002	O					0.01
47.917	0.00	0.00	0.002	O					0.01
48.000	0.00	0.00	0.002	O					0.01
48.083	0.00	0.00	0.002	O					0.01
48.167	0.00	0.00	0.002	O					0.01
48.250	0.00	0.00	0.002	O					0.01
48.333	0.00	0.00	0.002	O					0.01
48.417	0.00	0.00	0.002	O					0.01
48.500	0.00	0.00	0.002	O					0.01
48.583	0.00	0.00	0.002	O					0.01
48.667	0.00	0.00	0.002	O					0.01
48.750	0.00	0.00	0.002	O					0.01
48.833	0.00	0.00	0.002	O					0.01
48.917	0.00	0.00	0.002	O					0.01
49.000	0.00	0.00	0.002	O					0.01
49.083	0.00	0.00	0.002	O					0.01
49.167	0.00	0.00	0.002	O					0.01
49.250	0.00	0.00	0.002	O					0.01
49.333	0.00	0.00	0.002	O					0.01
49.417	0.00	0.00	0.002	O					0.01
49.500	0.00	0.00	0.002	O					0.01
49.583	0.00	0.00	0.002	O					0.01
49.667	0.00	0.00	0.002	O					0.01
49.750	0.00	0.00	0.002	O					0.01
49.833	0.00	0.00	0.002	O					0.00
49.917	0.00	0.00	0.002	O					0.00
50.000	0.00	0.00	0.001	O					0.00
50.083	0.00	0.00	0.001	O					0.00
50.167	0.00	0.00	0.001	O					0.00
50.250	0.00	0.00	0.001	O					0.00
50.333	0.00	0.00	0.001	O					0.00
50.417	0.00	0.00	0.001	O					0.00
50.500	0.00	0.00	0.001	O					0.00
50.583	0.00	0.00	0.001	O					0.00
50.667	0.00	0.00	0.001	O					0.00
50.750	0.00	0.00	0.001	O					0.00
50.833	0.00	0.00	0.001	O					0.00
50.917	0.00	0.00	0.001	O					0.00
51.000	0.00	0.00	0.001	O					0.00
51.083	0.00	0.00	0.001	O					0.00
51.167	0.00	0.00	0.001	O					0.00
51.250	0.00	0.00	0.001	O					0.00
51.333	0.00	0.00	0.001	O					0.00
51.417	0.00	0.00	0.001	O					0.00
51.500	0.00	0.00	0.001	O					0.00
51.583	0.00	0.00	0.001	O					0.00
51.667	0.00	0.00	0.001	O					0.00
51.750	0.00	0.00	0.001	O					0.00
51.833	0.00	0.00	0.001	O					0.00
51.917	0.00	0.00	0.001	O					0.00
52.000	0.00	0.00	0.001	O					0.00
52.083	0.00	0.00	0.001	O					0.00
52.167	0.00	0.00	0.001	O					0.00

52.250	0.00	0.00	0.001	O	|	|	|	|	0.00
52.333	0.00	0.00	0.001	O	|	|	|	|	0.00
52.417	0.00	0.00	0.001	O	|	|	|	|	0.00
52.500	0.00	0.00	0.001	O	|	|	|	|	0.00
52.583	0.00	0.00	0.001	O	|	|	|	|	0.00
52.667	0.00	0.00	0.001	O	|	|	|	|	0.00
52.750	0.00	0.00	0.001	O	|	|	|	|	0.00
52.833	0.00	0.00	0.001	O	|	|	|	|	0.00
52.917	0.00	0.00	0.001	O	|	|	|	|	0.00
53.000	0.00	0.00	0.001	O	|	|	|	|	0.00
53.083	0.00	0.00	0.001	O	|	|	|	|	0.00
53.167	0.00	0.00	0.001	O	|	|	|	|	0.00
53.250	0.00	0.00	0.001	O	|	|	|	|	0.00
53.333	0.00	0.00	0.001	O	|	|	|	|	0.00
53.417	0.00	0.00	0.001	O	|	|	|	|	0.00
53.500	0.00	0.00	0.001	O	|	|	|	|	0.00
53.583	0.00	0.00	0.001	O	|	|	|	|	0.00
53.667	0.00	0.00	0.001	O	|	|	|	|	0.00
53.750	0.00	0.00	0.001	O	|	|	|	|	0.00
53.833	0.00	0.00	0.001	O	|	|	|	|	0.00
53.917	0.00	0.00	0.001	O	|	|	|	|	0.00
54.000	0.00	0.00	0.001	O	|	|	|	|	0.00
54.083	0.00	0.00	0.001	O	|	|	|	|	0.00
54.167	0.00	0.00	0.001	O	|	|	|	|	0.00
54.250	0.00	0.00	0.001	O	|	|	|	|	0.00
54.333	0.00	0.00	0.001	O	|	|	|	|	0.00
54.417	0.00	0.00	0.001	O	|	|	|	|	0.00
54.500	0.00	0.00	0.001	O	|	|	|	|	0.00
54.583	0.00	0.00	0.001	O	|	|	|	|	0.00
54.667	0.00	0.00	0.001	O	|	|	|	|	0.00
54.750	0.00	0.00	0.001	O	|	|	|	|	0.00
54.833	0.00	0.00	0.001	O	|	|	|	|	0.00
54.917	0.00	0.00	0.001	O	|	|	|	|	0.00
55.000	0.00	0.00	0.001	O	|	|	|	|	0.00
55.083	0.00	0.00	0.001	O	|	|	|	|	0.00
55.167	0.00	0.00	0.001	O	|	|	|	|	0.00
55.250	0.00	0.00	0.001	O	|	|	|	|	0.00
55.333	0.00	0.00	0.001	O	|	|	|	|	0.00
55.417	0.00	0.00	0.001	O	|	|	|	|	0.00
55.500	0.00	0.00	0.001	O	|	|	|	|	0.00
55.583	0.00	0.00	0.001	O	|	|	|	|	0.00
55.667	0.00	0.00	0.001	O	|	|	|	|	0.00
55.750	0.00	0.00	0.001	O	|	|	|	|	0.00
55.833	0.00	0.00	0.001	O	|	|	|	|	0.00
55.917	0.00	0.00	0.001	O	|	|	|	|	0.00
56.000	0.00	0.00	0.000	O	|	|	|	|	0.00
56.083	0.00	0.00	0.000	O	|	|	|	|	0.00
56.167	0.00	0.00	0.000	O	|	|	|	|	0.00
56.250	0.00	0.00	0.000	O	|	|	|	|	0.00
56.333	0.00	0.00	0.000	O	|	|	|	|	0.00
56.417	0.00	0.00	0.000	O	|	|	|	|	0.00
56.500	0.00	0.00	0.000	O	|	|	|	|	0.00
56.583	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 679
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 68.025 (CFS)
Total volume = 6.437 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRC6100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 79
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 72.809 (CFS)
Total volume = 8.967 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN C- ROUTING
100YR-6HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 79
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.690	0.308	0.312
2.000	0.660	1.060	0.656	0.664
3.000	1.070	1.330	1.065	1.075
4.000	1.540	1.550	1.535	1.545
4.200	1.640	1.590	1.635	1.645
5.000	2.070	3.520	2.058	2.082
6.000	2.660	4.910	2.643	2.677
7.000	3.310	85.840	3.014	3.606

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 18.2 36.40 54.61 72.81	Depth (Ft.)
0.083	0.58	0.00	0.002	O | | | |	0.01
0.167	2.32	0.03	0.012	OI | | | |	0.04
0.250	3.50	0.07	0.032	OI | | | |	0.10
0.333	3.94	0.13	0.056	OI | | | |	0.18

0.417	4.16	0.19	0.083	OI	|	|	|	0.27
0.500	4.63	0.25	0.112	O I	|	|	|	0.36
0.583	5.54	0.32	0.145	O I	|	|	|	0.47
0.667	5.88	0.40	0.182	O I	|	|	|	0.59
0.750	6.02	0.49	0.220	O I	|	|	|	0.71
0.833	6.09	0.57	0.258	O I	|	|	|	0.83
0.917	6.13	0.66	0.296	O I	|	|	|	0.95
1.000	6.49	0.72	0.334	O I	|	|	|	1.07
1.083	7.35	0.76	0.377	O I	|	|	|	1.19
1.167	7.61	0.81	0.423	O I	|	|	|	1.32
1.250	7.73	0.86	0.470	O I	|	|	|	1.46
1.333	7.80	0.91	0.518	O I	|	|	|	1.59
1.417	7.85	0.96	0.565	O I	|	|	|	1.73
1.500	7.87	1.01	0.612	O I	|	|	|	1.86
1.583	7.90	1.06	0.660	O I	|	|	|	2.00
1.667	7.90	1.09	0.707	O I	|	|	|	2.11
1.750	7.90	1.12	0.753	O I	|	|	|	2.23
1.833	7.90	1.15	0.800	O I	|	|	|	2.34
1.917	7.90	1.18	0.846	O I	|	|	|	2.45
2.000	8.23	1.21	0.894	O I	|	|	|	2.57
2.083	8.73	1.25	0.943	O I	|	|	|	2.69
2.167	8.50	1.28	0.994	O I	|	|	|	2.81
2.250	9.18	1.31	1.046	O I	|	|	|	2.94
2.333	9.40	1.34	1.101	O I	|	|	|	3.07
2.417	9.49	1.37	1.157	O I	|	|	|	3.18
2.500	9.54	1.40	1.213	O I	|	|	|	3.30
2.583	9.59	1.42	1.269	O I	|	|	|	3.42
2.667	9.59	1.45	1.325	O I	|	|	|	3.54
2.750	9.94	1.48	1.382	O I	|	|	|	3.66
2.833	10.77	1.50	1.443	O I	|	|	|	3.79
2.917	11.04	1.53	1.508	O I	|	|	|	3.93
3.000	11.16	1.56	1.574	O I	|	|	|	4.07
3.083	11.23	1.59	1.640	O I	|	|	|	4.20
3.167	11.60	1.89	1.706	O I	|	|	|	4.32
3.250	12.46	2.20	1.775	O I	|	|	|	4.45
3.333	12.75	2.51	1.846	|O I	|	|	|	4.58
3.417	13.21	2.83	1.917	|O I	|	|	|	4.72
3.500	14.43	3.17	1.991	|O I	|	|	|	4.85
3.583	15.91	3.53	2.073	|O I	|	|	|	5.00
3.667	17.15	3.74	2.162	|O I|	|	|	|	5.16
3.750	17.96	3.96	2.256	|O I|	|	|	|	5.32
3.833	19.03	4.19	2.355	|O I	|	|	|	5.48
3.917	19.76	4.44	2.459	|O I	|	|	|	5.66
4.000	20.81	4.69	2.568	| O |I	|	|	|	5.84
4.083	21.53	6.68	2.674	| O |I	|	|	|	6.02
4.167	22.88	16.00	2.749	| O| I	|	|	|	6.14
4.250	24.40	20.59	2.786	| |OI	|	|	|	6.19
4.333	26.02	23.36	2.808	| | OI	|	|	|	6.23
4.417	27.67	25.45	2.825	| | OI	|	|	|	6.25
4.500	29.02	27.19	2.839	| | OI	|	|	|	6.28
4.583	29.88	28.55	2.850	| | OI	|	|	|	6.29
4.667	31.33	29.78	2.860	| | O	|	|	|	6.31
4.750	32.92	31.19	2.871	| | OI	|	|	|	6.32
4.833	34.24	32.62	2.883	| | OI|	|	|	|	6.34
4.917	35.08	33.84	2.892	| | OI|	|	|	|	6.36
5.000	36.49	35.01	2.902	| | OI	|	|	|	6.37
5.083	39.38	36.77	2.916	| | OI	|	|	|	6.39
5.167	45.67	40.22	2.944	| | |O I	|	|	|	6.44
5.250	52.39	45.51	2.986	| | | O I|	|	|	|	6.50
5.333	57.95	51.31	3.033	| | | O |I	|	|	|	6.57
5.417	63.91	57.08	3.079	| | | |O I	|	|	|	6.64
5.500	72.81	63.85	3.133	| | | | O I	|	|	|	6.73
5.583	70.34	**68.48**	**3.171**	| | | | **O** |	|	|	|	**6.79**
5.667	39.94	60.47	3.106	| | |I | O	|	|	|	6.69
5.750	22.53	42.93	2.965	| |I | O	|	|	|	6.47
5.833	13.61	28.01	2.846	| I | O	|	|	|	6.29
5.917	8.75	17.91	2.764	| I O|	|	|	|	6.16
6.000	5.53	11.45	2.713	| I O	|	|	|	|	6.08
6.083	3.30	7.23	2.679	|I O	|	|	|	|	6.03

6.167	1.11	4.89	2.652	I O				5.99
6.250	0.45	4.83	2.624	I O				5.94
6.333	0.21	4.75	2.593	I O				5.89
6.417	0.11	4.68	2.562	I O				5.83
6.500	0.05	4.60	2.530	I O				5.78
6.583	0.02	4.53	2.499	IO				5.73
6.667	0.00	4.46	2.468	IO				5.68
6.750	0.00	4.39	2.438	IO				5.62
6.833	0.00	4.32	2.408	IO				5.57
6.917	0.00	4.25	2.378	IO				5.52
7.000	0.00	4.18	2.349	IO				5.47
7.083	0.00	4.11	2.321	IO				5.43
7.167	0.00	4.04	2.293	IO				5.38
7.250	0.00	3.98	2.265	IO				5.33
7.333	0.00	3.92	2.238	IO				5.28
7.417	0.00	3.85	2.211	IO				5.24
7.500	0.00	3.79	2.185	IO				5.19
7.583	0.00	3.73	2.159	IO				5.15
7.667	0.00	3.67	2.134	IO				5.11
7.750	0.00	3.61	2.108	IO				5.07
7.833	0.00	3.55	2.084	IO				5.02
7.917	0.00	3.47	2.060	IO				4.98
8.000	0.00	3.37	2.036	IO				4.94
8.083	0.00	3.27	2.013	IO				4.89
8.167	0.00	3.17	1.991	IO				4.85
8.250	0.00	3.07	1.970	IO				4.81
8.333	0.00	2.98	1.949	IO				4.77
8.417	0.00	2.89	1.929	IO				4.74
8.500	0.00	2.80	1.909	IO				4.70
8.583	0.00	2.71	1.890	IO				4.67
8.667	0.00	2.63	1.872	IO				4.63
8.750	0.00	2.55	1.854	IO				4.60
8.833	0.00	2.47	1.837	IO				4.57
8.917	0.00	2.40	1.820	IO				4.53
9.000	0.00	2.32	1.803	IO				4.50
9.083	0.00	2.25	1.788	O				4.47
9.167	0.00	2.18	1.772	O				4.45
9.250	0.00	2.12	1.758	O				4.42
9.333	0.00	2.05	1.743	O				4.39
9.417	0.00	1.99	1.729	O				4.37
9.500	0.00	1.93	1.716	O				4.34
9.583	0.00	1.87	1.703	O				4.32
9.667	0.00	1.81	1.690	O				4.29
9.750	0.00	1.76	1.678	O				4.27
9.833	0.00	1.71	1.666	O				4.25
9.917	0.00	1.65	1.654	O				4.23
10.000	0.00	1.60	1.643	O				4.21
10.083	0.00	1.59	1.632	O				4.18
10.167	0.00	1.58	1.621	O				4.16
10.250	0.00	1.58	1.610	O				4.14
10.333	0.00	1.57	1.599	O				4.12
10.417	0.00	1.57	1.589	O				4.10
10.500	0.00	1.57	1.578	O				4.08
10.583	0.00	1.56	1.567	O				4.05
10.667	0.00	1.56	1.556	O				4.03
10.750	0.00	1.55	1.546	O				4.01
10.833	0.00	1.55	1.535	O				3.99
10.917	0.00	1.54	1.524	O				3.97
11.000	0.00	1.54	1.514	O				3.94
11.083	0.00	1.53	1.503	O				3.92
11.167	0.00	1.53	1.493	O				3.90
11.250	0.00	1.52	1.482	O				3.88
11.333	0.00	1.52	1.472	O				3.85
11.417	0.00	1.51	1.461	O				3.83
11.500	0.00	1.51	1.451	O				3.81
11.583	0.00	1.50	1.440	O				3.79
11.667	0.00	1.50	1.430	O				3.77
11.750	0.00	1.49	1.420	O				3.74
11.833	0.00	1.49	1.409	O				3.72

11.917	0.00	1.48	1.399	O					3.70
12.000	0.00	1.48	1.389	O					3.68
12.083	0.00	1.47	1.379	O					3.66
12.167	0.00	1.47	1.369	O					3.64
12.250	0.00	1.47	1.359	O					3.61
12.333	0.00	1.46	1.349	O					3.59
12.417	0.00	1.46	1.338	O					3.57
12.500	0.00	1.45	1.328	O					3.55
12.583	0.00	1.45	1.318	O					3.53
12.667	0.00	1.44	1.309	O					3.51
12.750	0.00	1.44	1.299	O					3.49
12.833	0.00	1.43	1.289	O					3.47
12.917	0.00	1.43	1.279	O					3.44
13.000	0.00	1.42	1.269	O					3.42
13.083	0.00	1.42	1.259	O					3.40
13.167	0.00	1.41	1.250	O					3.38
13.250	0.00	1.41	1.240	O					3.36
13.333	0.00	1.40	1.230	O					3.34
13.417	0.00	1.40	1.220	O					3.32
13.500	0.00	1.40	1.211	O					3.30
13.583	0.00	1.39	1.201	O					3.28
13.667	0.00	1.39	1.192	O					3.26
13.750	0.00	1.38	1.182	O					3.24
13.833	0.00	1.38	1.173	O					3.22
13.917	0.00	1.37	1.163	O					3.20
14.000	0.00	1.37	1.154	O					3.18
14.083	0.00	1.36	1.144	O					3.16
14.167	0.00	1.36	1.135	O					3.14
14.250	0.00	1.36	1.126	O					3.12
14.333	0.00	1.35	1.116	O					3.10
14.417	0.00	1.35	1.107	O					3.08
14.500	0.00	1.34	1.098	O					3.06
14.583	0.00	1.34	1.088	O					3.04
14.667	0.00	1.33	1.079	O					3.02
14.750	0.00	1.33	1.070	O					3.00
14.833	0.00	1.32	1.061	O					2.98
14.917	0.00	1.32	1.052	O					2.96
15.000	0.00	1.31	1.043	O					2.93
15.083	0.00	1.31	1.034	O					2.91
15.167	0.00	1.30	1.025	O					2.89
15.250	0.00	1.29	1.016	O					2.87
15.333	0.00	1.29	1.007	O					2.85
15.417	0.00	1.28	0.998	O					2.82
15.500	0.00	1.28	0.989	O					2.80
15.583	0.00	1.27	0.980	O					2.78
15.667	0.00	1.27	0.972	O					2.76
15.750	0.00	1.26	0.963	O					2.74
15.833	0.00	1.25	0.954	O					2.72
15.917	0.00	1.25	0.946	O					2.70
16.000	0.00	1.24	0.937	O					2.68
16.083	0.00	1.24	0.929	O					2.66
16.167	0.00	1.23	0.920	O					2.63
16.250	0.00	1.23	0.912	O					2.61
16.333	0.00	1.22	0.903	O					2.59
16.417	0.00	1.21	0.895	O					2.57
16.500	0.00	1.21	0.887	O					2.55
16.583	0.00	1.20	0.878	O					2.53
16.667	0.00	1.20	0.870	O					2.51
16.750	0.00	1.19	0.862	O					2.49
16.833	0.00	1.19	0.854	O					2.47
16.917	0.00	1.18	0.845	O					2.45
17.000	0.00	1.18	0.837	O					2.43
17.083	0.00	1.17	0.829	O					2.41
17.167	0.00	1.17	0.821	O					2.39
17.250	0.00	1.16	0.813	O					2.37
17.333	0.00	1.16	0.805	O					2.35
17.417	0.00	1.15	0.797	O					2.33
17.500	0.00	1.15	0.789	O					2.32
17.583	0.00	1.14	0.781	O					2.30

17.667	0.00	1.13	0.774	O	|	|	|	|	2.28
17.750	0.00	1.13	0.766	O	|	|	|	|	2.26
17.833	0.00	1.12	0.758	O	|	|	|	|	2.24
17.917	0.00	1.12	0.750	O	|	|	|	|	2.22
18.000	0.00	1.11	0.743	O	|	|	|	|	2.20
18.083	0.00	1.11	0.735	O	|	|	|	|	2.18
18.167	0.00	1.10	0.727	O	|	|	|	|	2.16
18.250	0.00	1.10	0.720	O	|	|	|	|	2.15
18.333	0.00	1.09	0.712	O	|	|	|	|	2.13
18.417	0.00	1.09	0.705	O	|	|	|	|	2.11
18.500	0.00	1.08	0.697	O	|	|	|	|	2.09
18.583	0.00	1.08	0.690	O	|	|	|	|	2.07
18.667	0.00	1.07	0.682	O	|	|	|	|	2.05
18.750	0.00	1.07	0.675	O	|	|	|	|	2.04
18.833	0.00	1.06	0.668	O	|	|	|	|	2.02
18.917	0.00	1.06	0.660	O	|	|	|	|	2.00
19.000	0.00	1.05	0.653	O	|	|	|	|	1.98
19.083	0.00	1.04	0.646	O	|	|	|	|	1.96
19.167	0.00	1.04	0.639	O	|	|	|	|	1.94
19.250	0.00	1.03	0.631	O	|	|	|	|	1.92
19.333	0.00	1.02	0.624	O	|	|	|	|	1.90
19.417	0.00	1.01	0.617	O	|	|	|	|	1.88
19.500	0.00	1.01	0.610	O	|	|	|	|	1.86
19.583	0.00	1.00	0.604	O	|	|	|	|	1.84
19.667	0.00	0.99	0.597	O	|	|	|	|	1.82
19.750	0.00	0.99	0.590	O	|	|	|	|	1.80
19.833	0.00	0.98	0.583	O	|	|	|	|	1.78
19.917	0.00	0.97	0.576	O	|	|	|	|	1.76
20.000	0.00	0.96	0.570	O	|	|	|	|	1.74
20.083	0.00	0.96	0.563	O	|	|	|	|	1.72
20.167	0.00	0.95	0.557	O	|	|	|	|	1.70
20.250	0.00	0.94	0.550	O	|	|	|	|	1.69
20.333	0.00	0.94	0.544	O	|	|	|	|	1.67
20.417	0.00	0.93	0.537	O	|	|	|	|	1.65
20.500	0.00	0.92	0.531	O	|	|	|	|	1.63
20.583	0.00	0.92	0.524	O	|	|	|	|	1.61
20.667	0.00	0.91	0.518	O	|	|	|	|	1.59
20.750	0.00	0.90	0.512	O	|	|	|	|	1.58
20.833	0.00	0.90	0.506	O	|	|	|	|	1.56
20.917	0.00	0.89	0.499	O	|	|	|	|	1.54
21.000	0.00	0.88	0.493	O	|	|	|	|	1.52
21.083	0.00	0.88	0.487	O	|	|	|	|	1.51
21.167	0.00	0.87	0.481	O	|	|	|	|	1.49
21.250	0.00	0.86	0.475	O	|	|	|	|	1.47
21.333	0.00	0.86	0.469	O	|	|	|	|	1.46
21.417	0.00	0.85	0.463	O	|	|	|	|	1.44
21.500	0.00	0.85	0.458	O	|	|	|	|	1.42
21.583	0.00	0.84	0.452	O	|	|	|	|	1.41
21.667	0.00	0.83	0.446	O	|	|	|	|	1.39
21.750	0.00	0.83	0.440	O	|	|	|	|	1.37
21.833	0.00	0.82	0.435	O	|	|	|	|	1.36
21.917	0.00	0.82	0.429	O	|	|	|	|	1.34
22.000	0.00	0.81	0.423	O	|	|	|	|	1.32
22.083	0.00	0.80	0.418	O	|	|	|	|	1.31
22.167	0.00	0.80	0.412	O	|	|	|	|	1.29
22.250	0.00	0.79	0.407	O	|	|	|	|	1.28
22.333	0.00	0.79	0.401	O	|	|	|	|	1.26
22.417	0.00	0.78	0.396	O	|	|	|	|	1.25
22.500	0.00	0.78	0.391	O	|	|	|	|	1.23
22.583	0.00	0.77	0.385	O	|	|	|	|	1.22
22.667	0.00	0.76	0.380	O	|	|	|	|	1.20
22.750	0.00	0.76	0.375	O	|	|	|	|	1.19
22.833	0.00	0.75	0.370	O	|	|	|	|	1.17
22.917	0.00	0.75	0.364	O	|	|	|	|	1.16
23.000	0.00	0.74	0.359	O	|	|	|	|	1.14
23.083	0.00	0.74	0.354	O	|	|	|	|	1.13
23.167	0.00	0.73	0.349	O	|	|	|	|	1.11
23.250	0.00	0.73	0.344	O	|	|	|	|	1.10
23.333	0.00	0.72	0.339	O	|	|	|	|	1.08

23.417	0.00	0.72	0.334	O	|	|	|	|	1.07
23.500	0.00	0.71	0.329	O	|	|	|	|	1.06
23.583	0.00	0.71	0.324	O	|	|	|	|	1.04
23.667	0.00	0.70	0.320	O	|	|	|	|	1.03
23.750	0.00	0.70	0.315	O	|	|	|	|	1.01
23.833	0.00	0.69	0.310	O	|	|	|	|	1.00
23.917	0.00	0.68	0.305	O	|	|	|	|	0.98
24.000	0.00	0.67	0.301	O	|	|	|	|	0.97
24.083	0.00	0.66	0.296	O	|	|	|	|	0.96
24.167	0.00	0.65	0.292	O	|	|	|	|	0.94
24.250	0.00	0.64	0.287	O	|	|	|	|	0.93
24.333	0.00	0.63	0.283	O	|	|	|	|	0.91
24.417	0.00	0.62	0.278	O	|	|	|	|	0.90
24.500	0.00	0.61	0.274	O	|	|	|	|	0.88
24.583	0.00	0.60	0.270	O	|	|	|	|	0.87
24.667	0.00	0.59	0.266	O	|	|	|	|	0.86
24.750	0.00	0.58	0.262	O	|	|	|	|	0.84
24.833	0.00	0.57	0.258	O	|	|	|	|	0.83
24.917	0.00	0.57	0.254	O	|	|	|	|	0.82
25.000	0.00	0.56	0.250	O	|	|	|	|	0.81
25.083	0.00	0.55	0.246	O	|	|	|	|	0.79
25.167	0.00	0.54	0.243	O	|	|	|	|	0.78
25.250	0.00	0.53	0.239	O	|	|	|	|	0.77
25.333	0.00	0.52	0.235	O	|	|	|	|	0.76
25.417	0.00	0.52	0.232	O	|	|	|	|	0.75
25.500	0.00	0.51	0.228	O	|	|	|	|	0.74
25.583	0.00	0.50	0.225	O	|	|	|	|	0.72
25.667	0.00	0.49	0.221	O	|	|	|	|	0.71
25.750	0.00	0.49	0.218	O	|	|	|	|	0.70
25.833	0.00	0.48	0.215	O	|	|	|	|	0.69
25.917	0.00	0.47	0.211	O	|	|	|	|	0.68
26.000	0.00	0.46	0.208	O	|	|	|	|	0.67
26.083	0.00	0.46	0.205	O	|	|	|	|	0.66
26.167	0.00	0.45	0.202	O	|	|	|	|	0.65
26.250	0.00	0.44	0.199	O	|	|	|	|	0.64
26.333	0.00	0.44	0.196	O	|	|	|	|	0.63
26.417	0.00	0.43	0.193	O	|	|	|	|	0.62
26.500	0.00	0.42	0.190	O	|	|	|	|	0.61
26.583	0.00	0.42	0.187	O	|	|	|	|	0.60
26.667	0.00	0.41	0.184	O	|	|	|	|	0.59
26.750	0.00	0.40	0.181	O	|	|	|	|	0.58
26.833	0.00	0.40	0.179	O	|	|	|	|	0.58
26.917	0.00	0.39	0.176	O	|	|	|	|	0.57
27.000	0.00	0.39	0.173	O	|	|	|	|	0.56
27.083	0.00	0.38	0.171	O	|	|	|	|	0.55
27.167	0.00	0.37	0.168	O	|	|	|	|	0.54
27.250	0.00	0.37	0.165	O	|	|	|	|	0.53
27.333	0.00	0.36	0.163	O	|	|	|	|	0.53
27.417	0.00	0.36	0.160	O	|	|	|	|	0.52
27.500	0.00	0.35	0.158	O	|	|	|	|	0.51
27.583	0.00	0.35	0.156	O	|	|	|	|	0.50
27.667	0.00	0.34	0.153	O	|	|	|	|	0.49
27.750	0.00	0.34	0.151	O	|	|	|	|	0.49
27.833	0.00	0.33	0.149	O	|	|	|	|	0.48
27.917	0.00	0.33	0.146	O	|	|	|	|	0.47
28.000	0.00	0.32	0.144	O	|	|	|	|	0.46
28.083	0.00	0.32	0.142	O	|	|	|	|	0.46
28.167	0.00	0.31	0.140	O	|	|	|	|	0.45
28.250	0.00	0.31	0.138	O	|	|	|	|	0.44
28.333	0.00	0.30	0.135	O	|	|	|	|	0.44
28.417	0.00	0.30	0.133	O	|	|	|	|	0.43
28.500	0.00	0.29	0.131	O	|	|	|	|	0.42
28.583	0.00	0.29	0.129	O	|	|	|	|	0.42
28.667	0.00	0.28	0.127	O	|	|	|	|	0.41
28.750	0.00	0.28	0.125	O	|	|	|	|	0.40
28.833	0.00	0.28	0.124	O	|	|	|	|	0.40
28.917	0.00	0.27	0.122	O	|	|	|	|	0.39
29.000	0.00	0.27	0.120	O	|	|	|	|	0.39
29.083	0.00	0.26	0.118	O	|	|	|	|	0.38

29.167	0.00	0.26	0.116	O					0.37
29.250	0.00	0.25	0.114	O					0.37
29.333	0.00	0.25	0.113	O					0.36
29.417	0.00	0.25	0.111	O					0.36
29.500	0.00	0.24	0.109	O					0.35
29.583	0.00	0.24	0.108	O					0.35
29.667	0.00	0.24	0.106	O					0.34
29.750	0.00	0.23	0.104	O					0.34
29.833	0.00	0.23	0.103	O					0.33
29.917	0.00	0.23	0.101	O					0.33
30.000	0.00	0.22	0.100	O					0.32
30.083	0.00	0.22	0.098	O					0.32
30.167	0.00	0.22	0.097	O					0.31
30.250	0.00	0.21	0.095	O					0.31
30.333	0.00	0.21	0.094	O					0.30
30.417	0.00	0.21	0.092	O					0.30
30.500	0.00	0.20	0.091	O					0.29
30.583	0.00	0.20	0.090	O					0.29
30.667	0.00	0.20	0.088	O					0.28
30.750	0.00	0.19	0.087	O					0.28
30.833	0.00	0.19	0.086	O					0.28
30.917	0.00	0.19	0.084	O					0.27
31.000	0.00	0.18	0.083	O					0.27
31.083	0.00	0.18	0.082	O					0.26
31.167	0.00	0.18	0.080	O					0.26
31.250	0.00	0.18	0.079	O					0.26
31.333	0.00	0.17	0.078	O					0.25
31.417	0.00	0.17	0.077	O					0.25
31.500	0.00	0.17	0.076	O					0.24
31.583	0.00	0.17	0.075	O					0.24
31.667	0.00	0.16	0.073	O					0.24
31.750	0.00	0.16	0.072	O					0.23
31.833	0.00	0.16	0.071	O					0.23
31.917	0.00	0.16	0.070	O					0.23
32.000	0.00	0.15	0.069	O					0.22
32.083	0.00	0.15	0.068	O					0.22
32.167	0.00	0.15	0.067	O					0.22
32.250	0.00	0.15	0.066	O					0.21
32.333	0.00	0.14	0.065	O					0.21
32.417	0.00	0.14	0.064	O					0.21
32.500	0.00	0.14	0.063	O					0.20
32.583	0.00	0.14	0.062	O					0.20
32.667	0.00	0.14	0.061	O					0.20
32.750	0.00	0.13	0.060	O					0.19
32.833	0.00	0.13	0.059	O					0.19
32.917	0.00	0.13	0.058	O					0.19
33.000	0.00	0.13	0.057	O					0.19
33.083	0.00	0.13	0.057	O					0.18
33.167	0.00	0.12	0.056	O					0.18
33.250	0.00	0.12	0.055	O					0.18
33.333	0.00	0.12	0.054	O					0.17
33.417	0.00	0.12	0.053	O					0.17
33.500	0.00	0.12	0.052	O					0.17
33.583	0.00	0.11	0.052	O					0.17
33.667	0.00	0.11	0.051	O					0.16
33.750	0.00	0.11	0.050	O					0.16
33.833	0.00	0.11	0.049	O					0.16
33.917	0.00	0.11	0.049	O					0.16
34.000	0.00	0.11	0.048	O					0.15
34.083	0.00	0.10	0.047	O					0.15
34.167	0.00	0.10	0.046	O					0.15
34.250	0.00	0.10	0.046	O					0.15
34.333	0.00	0.10	0.045	O					0.14
34.417	0.00	0.10	0.044	O					0.14
34.500	0.00	0.10	0.044	O					0.14
34.583	0.00	0.10	0.043	O					0.14
34.667	0.00	0.09	0.042	O					0.14
34.750	0.00	0.09	0.042	O					0.13
34.833	0.00	0.09	0.041	O					0.13

34.917	0.00	0.09	0.040	O	|	|	|	|	0.13
35.000	0.00	0.09	0.040	O	|	|	|	|	0.13
35.083	0.00	0.09	0.039	O	|	|	|	|	0.13
35.167	0.00	0.09	0.039	O	|	|	|	|	0.12
35.250	0.00	0.08	0.038	O	|	|	|	|	0.12
35.333	0.00	0.08	0.037	O	|	|	|	|	0.12
35.417	0.00	0.08	0.037	O	|	|	|	|	0.12
35.500	0.00	0.08	0.036	O	|	|	|	|	0.12
35.583	0.00	0.08	0.036	O	|	|	|	|	0.12
35.667	0.00	0.08	0.035	O	|	|	|	|	0.11
35.750	0.00	0.08	0.035	O	|	|	|	|	0.11
35.833	0.00	0.08	0.034	O	|	|	|	|	0.11
35.917	0.00	0.07	0.034	O	|	|	|	|	0.11
36.000	0.00	0.07	0.033	O	|	|	|	|	0.11
36.083	0.00	0.07	0.033	O	|	|	|	|	0.11
36.167	0.00	0.07	0.032	O	|	|	|	|	0.10
36.250	0.00	0.07	0.032	O	|	|	|	|	0.10
36.333	0.00	0.07	0.031	O	|	|	|	|	0.10
36.417	0.00	0.07	0.031	O	|	|	|	|	0.10
36.500	0.00	0.07	0.030	O	|	|	|	|	0.10
36.583	0.00	0.07	0.030	O	|	|	|	|	0.10
36.667	0.00	0.07	0.029	O	|	|	|	|	0.09
36.750	0.00	0.06	0.029	O	|	|	|	|	0.09
36.833	0.00	0.06	0.028	O	|	|	|	|	0.09
36.917	0.00	0.06	0.028	O	|	|	|	|	0.09
37.000	0.00	0.06	0.028	O	|	|	|	|	0.09
37.083	0.00	0.06	0.027	O	|	|	|	|	0.09
37.167	0.00	0.06	0.027	O	|	|	|	|	0.09
37.250	0.00	0.06	0.026	O	|	|	|	|	0.08
37.333	0.00	0.06	0.026	O	|	|	|	|	0.08
37.417	0.00	0.06	0.025	O	|	|	|	|	0.08
37.500	0.00	0.06	0.025	O	|	|	|	|	0.08
37.583	0.00	0.06	0.025	O	|	|	|	|	0.08
37.667	0.00	0.05	0.024	O	|	|	|	|	0.08
37.750	0.00	0.05	0.024	O	|	|	|	|	0.08
37.833	0.00	0.05	0.024	O	|	|	|	|	0.08
37.917	0.00	0.05	0.023	O	|	|	|	|	0.07
38.000	0.00	0.05	0.023	O	|	|	|	|	0.07
38.083	0.00	0.05	0.023	O	|	|	|	|	0.07
38.167	0.00	0.05	0.022	O	|	|	|	|	0.07
38.250	0.00	0.05	0.022	O	|	|	|	|	0.07
38.333	0.00	0.05	0.022	O	|	|	|	|	0.07
38.417	0.00	0.05	0.021	O	|	|	|	|	0.07
38.500	0.00	0.05	0.021	O	|	|	|	|	0.07
38.583	0.00	0.05	0.021	O	|	|	|	|	0.07
38.667	0.00	0.05	0.020	O	|	|	|	|	0.07
38.750	0.00	0.04	0.020	O	|	|	|	|	0.06
38.833	0.00	0.04	0.020	O	|	|	|	|	0.06
38.917	0.00	0.04	0.019	O	|	|	|	|	0.06
39.000	0.00	0.04	0.019	O	|	|	|	|	0.06
39.083	0.00	0.04	0.019	O	|	|	|	|	0.06
39.167	0.00	0.04	0.018	O	|	|	|	|	0.06
39.250	0.00	0.04	0.018	O	|	|	|	|	0.06
39.333	0.00	0.04	0.018	O	|	|	|	|	0.06
39.417	0.00	0.04	0.018	O	|	|	|	|	0.06
39.500	0.00	0.04	0.017	O	|	|	|	|	0.06
39.583	0.00	0.04	0.017	O	|	|	|	|	0.06
39.667	0.00	0.04	0.017	O	|	|	|	|	0.05
39.750	0.00	0.04	0.017	O	|	|	|	|	0.05
39.833	0.00	0.04	0.016	O	|	|	|	|	0.05
39.917	0.00	0.04	0.016	O	|	|	|	|	0.05
40.000	0.00	0.04	0.016	O	|	|	|	|	0.05
40.083	0.00	0.03	0.016	O	|	|	|	|	0.05
40.167	0.00	0.03	0.015	O	|	|	|	|	0.05
40.250	0.00	0.03	0.015	O	|	|	|	|	0.05
40.333	0.00	0.03	0.015	O	|	|	|	|	0.05
40.417	0.00	0.03	0.015	O	|	|	|	|	0.05
40.500	0.00	0.03	0.014	O	|	|	|	|	0.05
40.583	0.00	0.03	0.014	O	|	|	|	|	0.05

40.667	0.00	0.03	0.014	O	|	|	|	|	0.05
40.750	0.00	0.03	0.014	O	|	|	|	|	0.04
40.833	0.00	0.03	0.014	O	|	|	|	|	0.04
40.917	0.00	0.03	0.013	O	|	|	|	|	0.04
41.000	0.00	0.03	0.013	O	|	|	|	|	0.04
41.083	0.00	0.03	0.013	O	|	|	|	|	0.04
41.167	0.00	0.03	0.013	O	|	|	|	|	0.04
41.250	0.00	0.03	0.013	O	|	|	|	|	0.04
41.333	0.00	0.03	0.012	O	|	|	|	|	0.04
41.417	0.00	0.03	0.012	O	|	|	|	|	0.04
41.500	0.00	0.03	0.012	O	|	|	|	|	0.04
41.583	0.00	0.03	0.012	O	|	|	|	|	0.04
41.667	0.00	0.03	0.012	O	|	|	|	|	0.04
41.750	0.00	0.03	0.011	O	|	|	|	|	0.04
41.833	0.00	0.03	0.011	O	|	|	|	|	0.04
41.917	0.00	0.02	0.011	O	|	|	|	|	0.04
42.000	0.00	0.02	0.011	O	|	|	|	|	0.04
42.083	0.00	0.02	0.011	O	|	|	|	|	0.03
42.167	0.00	0.02	0.011	O	|	|	|	|	0.03
42.250	0.00	0.02	0.010	O	|	|	|	|	0.03
42.333	0.00	0.02	0.010	O	|	|	|	|	0.03
42.417	0.00	0.02	0.010	O	|	|	|	|	0.03
42.500	0.00	0.02	0.010	O	|	|	|	|	0.03
42.583	0.00	0.02	0.010	O	|	|	|	|	0.03
42.667	0.00	0.02	0.010	O	|	|	|	|	0.03
42.750	0.00	0.02	0.010	O	|	|	|	|	0.03
42.833	0.00	0.02	0.009	O	|	|	|	|	0.03
42.917	0.00	0.02	0.009	O	|	|	|	|	0.03
43.000	0.00	0.02	0.009	O	|	|	|	|	0.03
43.083	0.00	0.02	0.009	O	|	|	|	|	0.03
43.167	0.00	0.02	0.009	O	|	|	|	|	0.03
43.250	0.00	0.02	0.009	O	|	|	|	|	0.03
43.333	0.00	0.02	0.009	O	|	|	|	|	0.03
43.417	0.00	0.02	0.008	O	|	|	|	|	0.03
43.500	0.00	0.02	0.008	O	|	|	|	|	0.03
43.583	0.00	0.02	0.008	O	|	|	|	|	0.03
43.667	0.00	0.02	0.008	O	|	|	|	|	0.03
43.750	0.00	0.02	0.008	O	|	|	|	|	0.03
43.833	0.00	0.02	0.008	O	|	|	|	|	0.03
43.917	0.00	0.02	0.008	O	|	|	|	|	0.02
44.000	0.00	0.02	0.008	O	|	|	|	|	0.02
44.083	0.00	0.02	0.007	O	|	|	|	|	0.02
44.167	0.00	0.02	0.007	O	|	|	|	|	0.02
44.250	0.00	0.02	0.007	O	|	|	|	|	0.02
44.333	0.00	0.02	0.007	O	|	|	|	|	0.02
44.417	0.00	0.02	0.007	O	|	|	|	|	0.02
44.500	0.00	0.02	0.007	O	|	|	|	|	0.02
44.583	0.00	0.02	0.007	O	|	|	|	|	0.02
44.667	0.00	0.01	0.007	O	|	|	|	|	0.02
44.750	0.00	0.01	0.007	O	|	|	|	|	0.02
44.833	0.00	0.01	0.007	O	|	|	|	|	0.02
44.917	0.00	0.01	0.006	O	|	|	|	|	0.02
45.000	0.00	0.01	0.006	O	|	|	|	|	0.02
45.083	0.00	0.01	0.006	O	|	|	|	|	0.02
45.167	0.00	0.01	0.006	O	|	|	|	|	0.02
45.250	0.00	0.01	0.006	O	|	|	|	|	0.02
45.333	0.00	0.01	0.006	O	|	|	|	|	0.02
45.417	0.00	0.01	0.006	O	|	|	|	|	0.02
45.500	0.00	0.01	0.006	O	|	|	|	|	0.02
45.583	0.00	0.01	0.006	O	|	|	|	|	0.02
45.667	0.00	0.01	0.006	O	|	|	|	|	0.02
45.750	0.00	0.01	0.006	O	|	|	|	|	0.02
45.833	0.00	0.01	0.005	O	|	|	|	|	0.02
45.917	0.00	0.01	0.005	O	|	|	|	|	0.02
46.000	0.00	0.01	0.005	O	|	|	|	|	0.02
46.083	0.00	0.01	0.005	O	|	|	|	|	0.02
46.167	0.00	0.01	0.005	O	|	|	|	|	0.02
46.250	0.00	0.01	0.005	O	|	|	|	|	0.02
46.333	0.00	0.01	0.005	O	|	|	|	|	0.02

46.417	0.00	0.01	0.005	O					0.02
46.500	0.00	0.01	0.005	O					0.02
46.583	0.00	0.01	0.005	O					0.02
46.667	0.00	0.01	0.005	O					0.01
46.750	0.00	0.01	0.005	O					0.01
46.833	0.00	0.01	0.005	O					0.01
46.917	0.00	0.01	0.004	O					0.01
47.000	0.00	0.01	0.004	O					0.01
47.083	0.00	0.01	0.004	O					0.01
47.167	0.00	0.01	0.004	O					0.01
47.250	0.00	0.01	0.004	O					0.01
47.333	0.00	0.01	0.004	O					0.01
47.417	0.00	0.01	0.004	O					0.01
47.500	0.00	0.01	0.004	O					0.01
47.583	0.00	0.01	0.004	O					0.01
47.667	0.00	0.01	0.004	O					0.01
47.750	0.00	0.01	0.004	O					0.01
47.833	0.00	0.01	0.004	O					0.01
47.917	0.00	0.01	0.004	O					0.01
48.000	0.00	0.01	0.004	O					0.01
48.083	0.00	0.01	0.004	O					0.01
48.167	0.00	0.01	0.004	O					0.01
48.250	0.00	0.01	0.003	O					0.01
48.333	0.00	0.01	0.003	O					0.01
48.417	0.00	0.01	0.003	O					0.01
48.500	0.00	0.01	0.003	O					0.01
48.583	0.00	0.01	0.003	O					0.01
48.667	0.00	0.01	0.003	O					0.01
48.750	0.00	0.01	0.003	O					0.01
48.833	0.00	0.01	0.003	O					0.01
48.917	0.00	0.01	0.003	O					0.01
49.000	0.00	0.01	0.003	O					0.01
49.083	0.00	0.01	0.003	O					0.01
49.167	0.00	0.01	0.003	O					0.01
49.250	0.00	0.01	0.003	O					0.01
49.333	0.00	0.01	0.003	O					0.01
49.417	0.00	0.01	0.003	O					0.01
49.500	0.00	0.01	0.003	O					0.01
49.583	0.00	0.01	0.003	O					0.01
49.667	0.00	0.01	0.003	O					0.01
49.750	0.00	0.01	0.003	O					0.01
49.833	0.00	0.01	0.003	O					0.01
49.917	0.00	0.01	0.003	O					0.01
50.000	0.00	0.01	0.003	O					0.01
50.083	0.00	0.01	0.002	O					0.01
50.167	0.00	0.01	0.002	O					0.01
50.250	0.00	0.01	0.002	O					0.01
50.333	0.00	0.01	0.002	O					0.01
50.417	0.00	0.01	0.002	O					0.01
50.500	0.00	0.01	0.002	O					0.01
50.583	0.00	0.01	0.002	O					0.01
50.667	0.00	0.00	0.002	O					0.01
50.750	0.00	0.00	0.002	O					0.01
50.833	0.00	0.00	0.002	O					0.01
50.917	0.00	0.00	0.002	O					0.01
51.000	0.00	0.00	0.002	O					0.01
51.083	0.00	0.00	0.002	O					0.01
51.167	0.00	0.00	0.002	O					0.01
51.250	0.00	0.00	0.002	O					0.01
51.333	0.00	0.00	0.002	O					0.01
51.417	0.00	0.00	0.002	O					0.01
51.500	0.00	0.00	0.002	O					0.01
51.583	0.00	0.00	0.002	O					0.01
51.667	0.00	0.00	0.002	O					0.01
51.750	0.00	0.00	0.002	O					0.01
51.833	0.00	0.00	0.002	O					0.01
51.917	0.00	0.00	0.002	O					0.01
52.000	0.00	0.00	0.002	O					0.01
52.083	0.00	0.00	0.002	O					0.01

52.167	0.00	0.00	0.002	O					0.01
52.250	0.00	0.00	0.002	O					0.01
52.333	0.00	0.00	0.002	O					0.01
52.417	0.00	0.00	0.002	O					0.01
52.500	0.00	0.00	0.002	O					0.01
52.583	0.00	0.00	0.002	O					0.01
52.667	0.00	0.00	0.002	O					0.00
52.750	0.00	0.00	0.002	O					0.00
52.833	0.00	0.00	0.001	O					0.00
52.917	0.00	0.00	0.001	O					0.00
53.000	0.00	0.00	0.001	O					0.00
53.083	0.00	0.00	0.001	O					0.00
53.167	0.00	0.00	0.001	O					0.00
53.250	0.00	0.00	0.001	O					0.00
53.333	0.00	0.00	0.001	O					0.00
53.417	0.00	0.00	0.001	O					0.00
53.500	0.00	0.00	0.001	O					0.00
53.583	0.00	0.00	0.001	O					0.00
53.667	0.00	0.00	0.001	O					0.00
53.750	0.00	0.00	0.001	O					0.00
53.833	0.00	0.00	0.001	O					0.00
53.917	0.00	0.00	0.001	O					0.00
54.000	0.00	0.00	0.001	O					0.00
54.083	0.00	0.00	0.001	O					0.00
54.167	0.00	0.00	0.001	O					0.00
54.250	0.00	0.00	0.001	O					0.00
54.333	0.00	0.00	0.001	O					0.00
54.417	0.00	0.00	0.001	O					0.00
54.500	0.00	0.00	0.001	O					0.00
54.583	0.00	0.00	0.001	O					0.00
54.667	0.00	0.00	0.001	O					0.00
54.750	0.00	0.00	0.001	O					0.00
54.833	0.00	0.00	0.001	O					0.00
54.917	0.00	0.00	0.001	O					0.00
55.000	0.00	0.00	0.001	O					0.00
55.083	0.00	0.00	0.001	O					0.00
55.167	0.00	0.00	0.001	O					0.00
55.250	0.00	0.00	0.001	O					0.00
55.333	0.00	0.00	0.001	O					0.00
55.417	0.00	0.00	0.001	O					0.00
55.500	0.00	0.00	0.001	O					0.00
55.583	0.00	0.00	0.001	O					0.00
55.667	0.00	0.00	0.001	O					0.00
55.750	0.00	0.00	0.001	O					0.00
55.833	0.00	0.00	0.001	O					0.00
55.917	0.00	0.00	0.001	O					0.00
56.000	0.00	0.00	0.001	O					0.00
56.083	0.00	0.00	0.001	O					0.00
56.167	0.00	0.00	0.001	O					0.00
56.250	0.00	0.00	0.001	O					0.00
56.333	0.00	0.00	0.001	O					0.00
56.417	0.00	0.00	0.001	O					0.00
56.500	0.00	0.00	0.001	O					0.00
56.583	0.00	0.00	0.001	O					0.00
56.667	0.00	0.00	0.001	O					0.00
56.750	0.00	0.00	0.001	O					0.00
56.833	0.00	0.00	0.001	O					0.00
56.917	0.00	0.00	0.001	O					0.00
57.000	0.00	0.00	0.001	O					0.00
57.083	0.00	0.00	0.001	O					0.00
57.167	0.00	0.00	0.001	O					0.00
57.250	0.00	0.00	0.001	O					0.00
57.333	0.00	0.00	0.001	O					0.00
57.417	0.00	0.00	0.001	O					0.00
57.500	0.00	0.00	0.001	O					0.00
57.583	0.00	0.00	0.001	O					0.00
57.667	0.00	0.00	0.001	O					0.00
57.750	0.00	0.00	0.001	O					0.00
57.833	0.00	0.00	0.001	O					0.00

57.917	0.00	0.00	0.001	O	|	|	|	|	0.00
58.000	0.00	0.00	0.001	O	|	|	|	|	0.00
58.083	0.00	0.00	0.001	O	|	|	|	|	0.00
58.167	0.00	0.00	0.001	O	|	|	|	|	0.00
58.250	0.00	0.00	0.001	O	|	|	|	|	0.00
58.333	0.00	0.00	0.001	O	|	|	|	|	0.00
58.417	0.00	0.00	0.001	O	|	|	|	|	0.00
58.500	0.00	0.00	0.001	O	|	|	|	|	0.00
58.583	0.00	0.00	0.001	O	|	|	|	|	0.00
58.667	0.00	0.00	0.001	O	|	|	|	|	0.00
58.750	0.00	0.00	0.001	O	|	|	|	|	0.00
58.833	0.00	0.00	0.000	O	|	|	|	|	0.00
58.917	0.00	0.00	0.000	O	|	|	|	|	0.00
59.000	0.00	0.00	0.000	O	|	|	|	|	0.00
59.083	0.00	0.00	0.000	O	|	|	|	|	0.00
59.167	0.00	0.00	0.000	O	|	|	|	|	0.00
59.250	0.00	0.00	0.000	O	|	|	|	|	0.00
59.333	0.00	0.00	0.000	O	|	|	|	|	0.00
59.417	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 713
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 68.485 (CFS)
Total volume = 8.966 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRC24100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 295
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 40.101 (CFS)
Total volume = 18.865 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN C- ROUTING
100YR-24HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 295
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.690	0.308	0.312
2.000	0.660	1.060	0.656	0.664
3.000	1.070	1.330	1.065	1.075
4.000	1.540	1.550	1.535	1.545
4.200	1.640	1.590	1.635	1.645
5.000	2.070	3.520	2.058	2.082
6.000	2.660	4.910	2.643	2.677
7.000	3.310	85.840	3.014	3.606

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 10.0 20.05 30.08 40.10	Depth (Ft.)
0.083	0.18	0.00	0.001	O | | | |	0.00
0.167	0.63	0.01	0.003	O | | | |	0.01
0.250	0.78	0.02	0.008	O | | | |	0.03
0.333	0.93	0.03	0.014	O | | | |	0.04

0.417	1.20	0.05	0.021	O					0.07
0.500	1.29	0.06	0.029	OI					0.09
0.583	1.34	0.08	0.038	OI					0.12
0.667	1.37	0.10	0.046	OI					0.15
0.750	1.39	0.12	0.055	OI					0.18
0.833	1.48	0.14	0.064	OI					0.21
0.917	1.72	0.16	0.074	OI					0.24
1.000	1.79	0.19	0.085	OI					0.27
1.083	1.73	0.21	0.096	OI					0.31
1.167	1.53	0.23	0.105	OI					0.34
1.250	1.46	0.25	0.114	OI					0.37
1.333	1.44	0.27	0.122	OI					0.39
1.417	1.43	0.29	0.130	OI					0.42
1.500	1.42	0.31	0.138	OI					0.44
1.583	1.41	0.32	0.145	OI					0.47
1.667	1.40	0.34	0.153	OI					0.49
1.750	1.40	0.36	0.160	OI					0.52
1.833	1.49	0.37	0.168	OI					0.54
1.917	1.72	0.39	0.176	OI					0.57
2.000	1.79	0.41	0.185	OI					0.60
2.083	1.82	0.43	0.195	OI					0.63
2.167	1.84	0.45	0.204	OI					0.66
2.250	1.85	0.48	0.214	OI					0.69
2.333	1.86	0.50	0.223	OI					0.72
2.417	1.87	0.52	0.233	OI					0.75
2.500	1.87	0.54	0.242	OI					0.78
2.583	1.96	0.56	0.251	OI					0.81
2.667	2.18	0.58	0.262	OI					0.84
2.750	2.26	0.61	0.273	OI					0.88
2.833	2.29	0.63	0.284	OI					0.92
2.917	2.31	0.66	0.296	OI					0.95
3.000	2.32	0.68	0.307	OI					0.99
3.083	2.33	0.70	0.318	OI					1.02
3.167	2.34	0.71	0.329	OI					1.06
3.250	2.34	0.72	0.341	OI					1.09
3.333	2.34	0.73	0.352	OI					1.12
3.417	2.34	0.75	0.363	OI					1.15
3.500	2.34	0.76	0.374	OI					1.18
3.583	2.34	0.77	0.384	OI					1.21
3.667	2.34	0.78	0.395	OI					1.24
3.750	2.34	0.79	0.406	OI					1.27
3.833	2.43	0.80	0.417	OI					1.30
3.917	2.65	0.82	0.429	O I					1.34
4.000	2.72	0.83	0.441	O I					1.38
4.083	2.76	0.84	0.455	O I					1.41
4.167	2.78	0.86	0.468	O I					1.45
4.250	2.79	0.87	0.481	O I					1.49
4.333	2.89	0.88	0.494	O I					1.53
4.417	3.12	0.90	0.509	O I					1.57
4.500	3.19	0.92	0.524	O I					1.61
4.583	3.22	0.93	0.540	O I					1.66
4.667	3.24	0.95	0.556	O I					1.70
4.750	3.26	0.97	0.572	O I					1.75
4.833	3.35	0.98	0.588	O I					1.79
4.917	3.59	1.00	0.605	O I					1.84
5.000	3.66	1.02	0.623	O I					1.89
5.083	3.51	1.04	0.640	O I					1.94
5.167	3.08	1.06	0.656	O I					1.99
5.250	2.94	1.07	0.669	O I					2.02
5.333	2.98	1.07	0.682	O I					2.05
5.417	3.17	1.08	0.696	O I					2.09
5.500	3.22	1.09	0.711	O I					2.12
5.583	3.33	1.10	0.726	O I					2.16
5.667	3.56	1.11	0.742	O I					2.20
5.750	3.64	1.13	0.759	O I					2.24
5.833	3.68	1.14	0.776	O I					2.28
5.917	3.71	1.15	0.794	O I					2.33
6.000	3.72	1.16	0.811	O I					2.37
6.083	3.85	1.17	0.830	O I					2.41

6.167	4.17	1.18	0.849	O I	|	|	|	2.46
6.250	4.29	1.20	0.870	O I	|	|	|	2.51
6.333	4.36	1.21	0.891	O I	|	|	|	2.56
6.417	4.41	1.23	0.913	O I	|	|	|	2.62
6.500	4.46	1.24	0.935	O I	|	|	|	2.67
6.583	4.76	1.26	0.958	|O I	|	|	|	2.73
6.667	5.45	1.27	0.985	|O I	|	|	|	2.79
6.750	5.69	1.29	1.014	|O I	|	|	|	2.86
6.833	5.82	1.31	1.045	|O I	|	|	|	2.94
6.917	5.90	1.33	1.076	|O I	|	|	|	3.01
7.000	5.97	1.35	1.108	|O I	|	|	|	3.08
7.083	6.03	1.36	1.140	|O I	|	|	|	3.15
7.167	6.08	1.38	1.172	|O I	|	|	|	3.22
7.250	6.11	1.39	1.205	|O I	|	|	|	3.29
7.333	6.40	1.41	1.238	|O I	|	|	|	3.36
7.417	7.08	1.43	1.275	|O I	|	|	|	3.44
7.500	7.32	1.44	1.314	|O I	|	|	|	3.52
7.583	7.71	1.46	1.356	|O I	|	|	|	3.61
7.667	8.44	1.49	1.402	|O I	|	|	|	3.71
7.750	8.71	1.51	1.450	|O I	|	|	|	3.81
7.833	9.12	1.53	1.501	|O I|	|	|	|	3.92
7.917	9.87	1.56	1.556	|O I|	|	|	|	4.03
8.000	10.14	1.58	1.614	|O I	|	|	|	4.15
8.083	10.80	1.75	1.675	|O I	|	|	|	4.26
8.167	12.20	2.04	1.741	|O |I	|	|	|	4.39
8.250	12.68	2.36	1.811	|O | I	|	|	|	4.52
8.333	12.92	2.68	1.882	| O | I	|	|	|	4.65
8.417	13.08	2.99	1.952	| O | I	|	|	|	4.78
8.500	13.18	3.30	2.021	| O | I	|	|	|	4.91
8.583	13.51	3.57	2.089	| O | I	|	|	|	5.03
8.667	14.23	3.73	2.160	| O | I	|	|	|	5.15
8.750	14.47	3.90	2.232	| O | I	|	|	|	5.27
8.833	14.85	4.08	2.306	| O | I	|	|	|	5.40
8.917	15.58	4.25	2.382	| O | I	|	|	|	5.53
9.000	15.85	4.44	2.460	| O | I	|	|	|	5.66
9.083	16.51	4.63	2.540	| O | I	|	|	|	5.80
9.167	17.91	4.83	2.626	| O | I	|	|	|	5.94
9.250	18.39	9.94	2.700	| O| I	|	|	|	6.06
9.333	18.88	15.16	2.742	| | O I|	|	|	|	6.13
9.417	19.69	17.64	2.762	| | OI|	|	|	|	6.16
9.500	19.99	18.96	2.773	| | O|	|	|	|	6.17
9.583	20.42	19.71	2.779	| | OI	|	|	|	6.18
9.667	21.19	20.36	2.784	| | O	|	|	|	6.19
9.750	21.46	20.94	2.789	| | OI	|	|	|	6.20
9.833	21.86	21.37	2.792	| | |O	|	|	|	6.20
9.917	22.61	21.89	2.796	| | |OI	|	|	|	6.21
10.000	22.88	22.40	2.801	| | |OI	|	|	|	6.22
10.083	21.23	22.19	2.799	| | IO	|	|	|	6.21
10.167	16.81	20.29	2.784	| | I O	|	|	|	6.19
10.250	15.42	17.79	2.763	| | I O |	|	|	|	6.16
10.333	14.81	16.18	2.751	| | IO |	|	|	|	6.14
10.417	14.49	15.27	2.743	| | IO |	|	|	|	6.13
10.500	14.28	14.74	2.739	| | O |	|	|	|	6.12
10.583	15.45	14.82	2.740	| | OI |	|	|	|	6.12
10.667	18.56	16.13	2.750	| | O I |	|	|	|	6.14
10.750	19.63	17.91	2.764	| | OI|	|	|	|	6.16
10.833	20.13	19.09	2.774	| | OI	|	|	|	6.18
10.917	20.42	19.80	2.780	| | OI	|	|	|	6.18
11.000	20.62	20.24	2.783	| | O	|	|	|	6.19
11.083	20.50	20.43	2.785	| | O	|	|	|	6.19
11.167	19.99	20.32	2.784	| | IO	|	|	|	6.19
11.250	19.81	20.07	2.782	| | IO	|	|	|	6.19
11.333	19.74	19.89	2.780	| | O|	|	|	|	6.19
11.417	19.72	19.79	2.780	| | O|	|	|	|	6.18
11.500	19.71	19.75	2.779	| | O|	|	|	|	6.18
11.583	19.20	19.57	2.778	| | O|	|	|	|	6.18
11.667	17.92	18.97	2.773	| | IO|	|	|	|	6.17
11.750	17.53	18.22	2.767	| | IO |	|	|	|	6.16
11.833	17.63	17.84	2.764	| | O |	|	|	|	6.16

11.917	18.20	17.88	2.764	|	|	O |	|	|	6.16
12.000	18.36	18.12	2.766	|	|	O |	|	|	6.16
12.083	20.24	18.83	2.772	|	|	OI	|	|	6.17
12.167	24.80	21.04	2.790	|	|	O I	|	|	6.20
12.250	26.32	23.75	2.811	|	|	O I	|	|	6.23
12.333	27.28	25.58	2.826	|	|	OI	|	|	6.26
12.417	28.34	26.92	2.837	|	|	OI	|	|	6.27
12.500	28.82	27.91	2.845	|	|	O |	|	|	6.28
12.583	29.60	28.69	2.851	|	|	OI|	|	|	6.29
12.667	31.11	29.69	2.859	|	|	OI	|	|	6.31
12.750	31.59	30.69	2.867	|	|	OI	|	|	6.32
12.833	32.08	31.38	2.873	|	|	O|	|	|	6.33
12.917	32.88	32.04	2.878	|	|	OI|	|	|	6.34
13.000	33.18	32.63	2.883	|	|	O |	|	|	6.34
13.083	34.63	33.40	2.889	|	|	OI |	|	|	6.35
13.167	37.98	35.14	2.903	|	|	O I |	|	|	6.37
13.250	39.08	37.17	2.919	|	|	O I|	|	|	6.40
13.333	39.59	38.47	2.930	|	|	OI|	|	|	6.41
13.417	39.90	39.24	2.936	|	|	O|	|	|	6.42
13.500	40.10	39.70	2.939	|	|	OI	|	|	6.43
13.583	37.40	39.13	2.935	|	|	I O|	|	|	6.42
13.667	30.43	36.00	2.910	|	|	O |	|	|	6.38
13.750	28.17	31.98	2.877	|	|	I |O	|	|	6.33
13.833	27.16	29.39	2.857	|	|	I O|	|	|	6.30
13.917	26.61	27.89	2.845	|	|	IO |	|	|	6.28
14.000	26.25	27.01	2.838	|	|	IO |	|	|	6.27
14.083	27.07	26.80	2.836	|	|	O |	|	|	6.27
14.167	29.46	27.68	2.843	|	|	OI|	|	|	6.28
14.250	30.31	29.00	2.854	|	|	OI	|	|	6.30
14.333	30.46	29.83	2.860	|	|	OI	|	|	6.31
14.417	30.05	30.08	2.862	|	|	IO	|	|	6.31
14.500	30.00	30.05	2.862	|	|	O|	|	|	6.31
14.583	30.01	30.02	2.862	|	|	O|	|	|	6.31
14.667	30.07	30.03	2.862	|	|	O|	|	|	6.31
14.750	30.06	30.05	2.862	|	|	O|	|	|	6.31
14.833	29.80	29.98	2.861	|	|	O|	|	|	6.31
14.917	29.16	29.68	2.859	|	|	O|	|	|	6.31
15.000	28.98	29.31	2.856	|	|	O|	|	|	6.30
15.083	28.65	29.01	2.854	|	|	IO|	|	|	6.30
15.167	27.97	28.59	2.850	|	|	O |	|	|	6.29
15.250	27.75	28.15	2.847	|	|	O |	|	|	6.29
15.333	27.40	27.81	2.844	|	|	IO |	|	|	6.28
15.417	26.71	27.36	2.840	|	|	O |	|	|	6.28
15.500	26.49	26.90	2.837	|	|	O |	|	|	6.27
15.583	25.37	26.32	2.832	|	|	IO |	|	|	6.26
15.667	22.74	24.96	2.821	|	|	IO |	|	|	6.25
15.750	21.89	23.37	2.808	|	|	IO |	|	|	6.23
15.833	21.52	22.37	2.800	|	|	O |	|	|	6.22
15.917	21.31	21.80	2.796	|	|	O |	|	|	6.21
16.000	21.19	21.47	2.793	|	|	IO |	|	|	6.20
16.083	17.43	20.17	2.783	|	|	I O |	|	|	6.19
16.167	8.06	15.71	2.747	|	I |	O |	|	|	6.13
16.250	5.07	10.22	2.703	|	I O |	|	|	|	6.07
16.333	3.72	6.72	2.675	| I O |	|	|	|	|	6.02
16.417	2.96	4.90	2.658	| IO |	|	|	|	|	6.00
16.500	2.47	4.87	2.643	|I O |	|	|	|	|	5.97
16.583	2.07	4.83	2.625	|I O |	|	|	|	|	5.94
16.667	1.55	4.78	2.604	|I O |	|	|	|	|	5.91
16.750	1.48	4.73	2.582	|I O |	|	|	|	|	5.87
16.833	1.45	4.67	2.560	|I O |	|	|	|	|	5.83
16.917	1.43	4.62	2.538	|I O |	|	|	|	|	5.79
17.000	1.42	4.57	2.516	|I O |	|	|	|	|	5.76
17.083	1.65	4.52	2.495	|I O |	|	|	|	|	5.72
17.167	2.27	4.48	2.477	|I O |	|	|	|	|	5.69
17.250	2.48	4.45	2.463	|I O |	|	|	|	|	5.67
17.333	2.58	4.42	2.450	| IO |	|	|	|	|	5.64
17.417	2.65	4.39	2.438	| IO |	|	|	|	|	5.62
17.500	2.70	4.36	2.426	| IO |	|	|	|	|	5.60
17.583	2.74	4.33	2.415	| IO |	|	|	|	|	5.58

17.667	2.78	4.31	2.404	| IO	|	|	|	5.57
17.750	2.80	4.28	2.394	| IO	|	|	|	5.55
17.833	2.63	4.26	2.383	| IO	|	|	|	5.53
17.917	2.17	4.23	2.370	|I O	|	|	|	5.51
18.000	2.02	4.19	2.356	|I O	|	|	|	5.48
18.083	1.96	4.16	2.341	|I O	|	|	|	5.46
18.167	1.92	4.12	2.326	|I O	|	|	|	5.43
18.250	1.90	4.09	2.310	|I O	|	|	|	5.41
18.333	1.88	4.05	2.295	|I O	|	|	|	5.38
18.417	1.87	4.02	2.281	|I O	|	|	|	5.36
18.500	1.87	3.98	2.266	|I O	|	|	|	5.33
18.583	1.78	3.95	2.251	|I O	|	|	|	5.31
18.667	1.55	3.91	2.236	|I O	|	|	|	5.28
18.750	1.48	3.87	2.219	|I O	|	|	|	5.25
18.833	1.36	3.83	2.202	|I O	|	|	|	5.22
18.917	1.11	3.79	2.185	I O	|	|	|	5.19
19.000	1.03	3.75	2.166	I O	|	|	|	5.16
19.083	1.08	3.70	2.148	I O	|	|	|	5.13
19.167	1.28	3.66	2.130	|IO	|	|	|	5.10
19.250	1.34	3.62	2.114	|IO	|	|	|	5.08
19.333	1.45	3.59	2.099	|IO	|	|	|	5.05
19.417	1.69	3.56	2.085	|IO	|	|	|	5.03
19.500	1.78	3.53	2.073	|IO	|	|	|	5.00
19.583	1.73	3.48	2.061	|IO	|	|	|	4.98
19.667	1.53	3.42	2.048	|IO	|	|	|	4.96
19.750	1.46	3.36	2.035	|IO	|	|	|	4.94
19.833	1.35	3.30	2.022	|IO	|	|	|	4.91
19.917	1.11	3.24	2.008	I O	|	|	|	4.88
20.000	1.03	3.18	1.993	I O	|	|	|	4.86
20.083	1.08	3.11	1.979	I O	|	|	|	4.83
20.167	1.28	3.05	1.966	|IO	|	|	|	4.81
20.250	1.34	3.00	1.954	|IO	|	|	|	4.78
20.333	1.36	2.95	1.943	|IO	|	|	|	4.76
20.417	1.37	2.90	1.932	|IO	|	|	|	4.74
20.500	1.39	2.85	1.922	|IO	|	|	|	4.72
20.583	1.39	2.81	1.912	|IO	|	|	|	4.71
20.667	1.40	2.77	1.902	|IO	|	|	|	4.69
20.750	1.40	2.72	1.893	|IO	|	|	|	4.67
20.833	1.31	2.68	1.884	|IO	|	|	|	4.65
20.917	1.09	2.64	1.873	I O	|	|	|	4.63
21.000	1.01	2.59	1.863	I O	|	|	|	4.61
21.083	1.07	2.54	1.852	I O	|	|	|	4.59
21.167	1.28	2.50	1.843	|O	|	|	|	4.58
21.250	1.34	2.46	1.835	|O	|	|	|	4.56
21.333	1.27	2.43	1.827	|O	|	|	|	4.55
21.417	1.06	2.39	1.818	IO	|	|	|	4.53
21.500	1.00	2.35	1.809	IO	|	|	|	4.51
21.583	1.06	2.31	1.800	IO	|	|	|	4.50
21.667	1.28	2.27	1.792	|O	|	|	|	4.48
21.750	1.34	2.24	1.786	|O	|	|	|	4.47
21.833	1.27	2.22	1.780	|O	|	|	|	4.46
21.917	1.06	2.18	1.772	IO	|	|	|	4.45
22.000	1.00	2.15	1.765	IO	|	|	|	4.43
22.083	1.06	2.12	1.757	IO	|	|	|	4.42
22.167	1.28	2.09	1.751	|O	|	|	|	4.41
22.250	1.34	2.06	1.745	|O	|	|	|	4.40
22.333	1.27	2.04	1.740	|O	|	|	|	4.39
22.417	1.06	2.01	1.734	IO	|	|	|	4.38
22.500	1.00	1.98	1.728	IO	|	|	|	4.36
22.583	0.97	1.95	1.721	IO	|	|	|	4.35
22.667	0.96	1.92	1.714	IO	|	|	|	4.34
22.750	0.95	1.89	1.708	IO	|	|	|	4.33
22.833	0.94	1.86	1.701	IO	|	|	|	4.31
22.917	0.93	1.84	1.695	IO	|	|	|	4.30
23.000	0.93	1.81	1.689	IO	|	|	|	4.29
23.083	0.93	1.78	1.683	IO	|	|	|	4.28
23.167	0.93	1.76	1.677	IO	|	|	|	4.27
23.250	0.93	1.73	1.671	IO	|	|	|	4.26
23.333	0.93	1.71	1.666	IO	|	|	|	4.25

23.417	0.93	1.68	1.661	IO					4.24
23.500	0.93	1.66	1.656	IO					4.23
23.583	0.93	1.64	1.651	IO					4.22
23.667	0.93	1.62	1.646	IO					4.21
23.750	0.93	1.60	1.641	IO					4.20
23.833	0.93	1.59	1.637	IO					4.19
23.917	0.93	1.59	1.632	IO					4.18
24.000	0.93	1.59	1.628	IO					4.18
24.083	0.75	1.58	1.623	IO					4.17
24.167	0.30	1.58	1.616	IO					4.15
24.250	0.16	1.58	1.606	IO					4.13
24.333	0.09	1.57	1.596	IO					4.11
24.417	0.05	1.57	1.586	IO					4.09
24.500	0.03	1.56	1.575	IO					4.07
24.583	0.01	1.56	1.565	IO					4.05
24.667	0.00	1.56	1.554	IO					4.03
24.750	0.00	1.55	1.543	IO					4.01
24.833	0.00	1.55	1.533	IO					3.98
24.917	0.00	1.54	1.522	IO					3.96
25.000	0.00	1.54	1.512	IO					3.94
25.083	0.00	1.53	1.501	IO					3.92
25.167	0.00	1.53	1.490	IO					3.89
25.250	0.00	1.52	1.480	IO					3.87
25.333	0.00	1.52	1.469	IO					3.85
25.417	0.00	1.51	1.459	IO					3.83
25.500	0.00	1.51	1.449	IO					3.81
25.583	0.00	1.50	1.438	IO					3.78
25.667	0.00	1.50	1.428	IO					3.76
25.750	0.00	1.49	1.418	IO					3.74
25.833	0.00	1.49	1.407	IO					3.72
25.917	0.00	1.48	1.397	IO					3.70
26.000	0.00	1.48	1.387	IO					3.67
26.083	0.00	1.47	1.377	IO					3.65
26.167	0.00	1.47	1.367	IO					3.63
26.250	0.00	1.46	1.357	IO					3.61
26.333	0.00	1.46	1.346	IO					3.59
26.417	0.00	1.45	1.336	IO					3.57
26.500	0.00	1.45	1.326	IO					3.55
26.583	0.00	1.45	1.316	IO					3.52
26.667	0.00	1.44	1.307	IO					3.50
26.750	0.00	1.44	1.297	IO					3.48
26.833	0.00	1.43	1.287	IO					3.46
26.917	0.00	1.43	1.277	IO					3.44
27.000	0.00	1.42	1.267	IO					3.42
27.083	0.00	1.42	1.257	IO					3.40
27.167	0.00	1.41	1.248	IO					3.38
27.250	0.00	1.41	1.238	IO					3.36
27.333	0.00	1.40	1.228	IO					3.34
27.417	0.00	1.40	1.219	IO					3.32
27.500	0.00	1.40	1.209	IO					3.30
27.583	0.00	1.39	1.199	IO					3.28
27.667	0.00	1.39	1.190	IO					3.25
27.750	0.00	1.38	1.180	IO					3.23
27.833	0.00	1.38	1.171	IO					3.21
27.917	0.00	1.37	1.161	IO					3.19
28.000	0.00	1.37	1.152	IO					3.17
28.083	0.00	1.36	1.142	IO					3.15
28.167	0.00	1.36	1.133	IO					3.13
28.250	0.00	1.36	1.124	IO					3.11
28.333	0.00	1.35	1.114	IO					3.09
28.417	0.00	1.35	1.105	IO					3.07
28.500	0.00	1.34	1.096	IO					3.05
28.583	0.00	1.34	1.087	IO					3.04
28.667	0.00	1.33	1.077	IO					3.02
28.750	0.00	1.33	1.068	IO					3.00
28.833	0.00	1.32	1.059	IO					2.97
28.917	0.00	1.32	1.050	IO					2.95
29.000	0.00	1.31	1.041	IO					2.93
29.083	0.00	1.30	1.032	IO					2.91

29.167	0.00	1.30	1.023	IO					2.89
29.250	0.00	1.29	1.014	IO					2.86
29.333	0.00	1.29	1.005	IO					2.84
29.417	0.00	1.28	0.996	IO					2.82
29.500	0.00	1.28	0.987	IO					2.80
29.583	0.00	1.27	0.979	IO					2.78
29.667	0.00	1.26	0.970	IO					2.76
29.750	0.00	1.26	0.961	IO					2.73
29.833	0.00	1.25	0.953	O					2.71
29.917	0.00	1.25	0.944	O					2.69
30.000	0.00	1.24	0.935	O					2.67
30.083	0.00	1.24	0.927	O					2.65
30.167	0.00	1.23	0.918	O					2.63
30.250	0.00	1.22	0.910	O					2.61
30.333	0.00	1.22	0.902	O					2.59
30.417	0.00	1.21	0.893	O					2.57
30.500	0.00	1.21	0.885	O					2.55
30.583	0.00	1.20	0.877	O					2.53
30.667	0.00	1.20	0.868	O					2.51
30.750	0.00	1.19	0.860	O					2.49
30.833	0.00	1.19	0.852	O					2.47
30.917	0.00	1.18	0.844	O					2.45
31.000	0.00	1.18	0.836	O					2.43
31.083	0.00	1.17	0.828	O					2.41
31.167	0.00	1.17	0.820	O					2.39
31.250	0.00	1.16	0.812	O					2.37
31.333	0.00	1.15	0.804	O					2.35
31.417	0.00	1.15	0.796	O					2.33
31.500	0.00	1.14	0.788	O					2.31
31.583	0.00	1.14	0.780	O					2.29
31.667	0.00	1.13	0.772	O					2.27
31.750	0.00	1.13	0.764	O					2.25
31.833	0.00	1.12	0.756	O					2.24
31.917	0.00	1.12	0.749	O					2.22
32.000	0.00	1.11	0.741	O					2.20
32.083	0.00	1.11	0.733	O					2.18
32.167	0.00	1.10	0.726	O					2.16
32.250	0.00	1.10	0.718	O					2.14
32.333	0.00	1.09	0.711	O					2.12
32.417	0.00	1.09	0.703	O					2.11
32.500	0.00	1.08	0.696	O					2.09
32.583	0.00	1.08	0.688	O					2.07
32.667	0.00	1.07	0.681	O					2.05
32.750	0.00	1.07	0.673	O					2.03
32.833	0.00	1.06	0.666	O					2.01
32.917	0.00	1.06	0.659	O					2.00
33.000	0.00	1.05	0.652	O					1.98
33.083	0.00	1.04	0.644	O					1.96
33.167	0.00	1.04	0.637	O					1.93
33.250	0.00	1.03	0.630	O					1.91
33.333	0.00	1.02	0.623	O					1.89
33.417	0.00	1.01	0.616	O					1.87
33.500	0.00	1.01	0.609	O					1.85
33.583	0.00	1.00	0.602	O					1.83
33.667	0.00	0.99	0.595	O					1.82
33.750	0.00	0.98	0.588	O					1.80
33.833	0.00	0.98	0.582	O					1.78
33.917	0.00	0.97	0.575	O					1.76
34.000	0.00	0.96	0.568	O					1.74
34.083	0.00	0.96	0.562	O					1.72
34.167	0.00	0.95	0.555	O					1.70
34.250	0.00	0.94	0.549	O					1.68
34.333	0.00	0.94	0.542	O					1.66
34.417	0.00	0.93	0.536	O					1.65
34.500	0.00	0.92	0.529	O					1.63
34.583	0.00	0.92	0.523	O					1.61
34.667	0.00	0.91	0.517	O					1.59
34.750	0.00	0.90	0.511	O					1.57
34.833	0.00	0.90	0.504	O					1.56

34.917	0.00	0.89	0.498	O					1.54
35.000	0.00	0.88	0.492	O					1.52
35.083	0.00	0.88	0.486	O					1.50
35.167	0.00	0.87	0.480	O					1.49
35.250	0.00	0.86	0.474	O					1.47
35.333	0.00	0.86	0.468	O					1.45
35.417	0.00	0.85	0.462	O					1.44
35.500	0.00	0.84	0.456	O					1.42
35.583	0.00	0.84	0.451	O					1.40
35.667	0.00	0.83	0.445	O					1.39
35.750	0.00	0.83	0.439	O					1.37
35.833	0.00	0.82	0.434	O					1.35
35.917	0.00	0.81	0.428	O					1.34
36.000	0.00	0.81	0.422	O					1.32
36.083	0.00	0.80	0.417	O					1.30
36.167	0.00	0.80	0.411	O					1.29
36.250	0.00	0.79	0.406	O					1.27
36.333	0.00	0.79	0.400	O					1.26
36.417	0.00	0.78	0.395	O					1.24
36.500	0.00	0.77	0.390	O					1.23
36.583	0.00	0.77	0.384	O					1.21
36.667	0.00	0.76	0.379	O					1.20
36.750	0.00	0.76	0.374	O					1.18
36.833	0.00	0.75	0.369	O					1.17
36.917	0.00	0.75	0.363	O					1.15
37.000	0.00	0.74	0.358	O					1.14
37.083	0.00	0.74	0.353	O					1.12
37.167	0.00	0.73	0.348	O					1.11
37.250	0.00	0.73	0.343	O					1.09
37.333	0.00	0.72	0.338	O					1.08
37.417	0.00	0.71	0.333	O					1.07
37.500	0.00	0.71	0.328	O					1.05
37.583	0.00	0.70	0.323	O					1.04
37.667	0.00	0.70	0.319	O					1.02
37.750	0.00	0.69	0.314	O					1.01
37.833	0.00	0.69	0.309	O					1.00
37.917	0.00	0.68	0.304	O					0.98
38.000	0.00	0.67	0.300	O					0.97
38.083	0.00	0.66	0.295	O					0.95
38.167	0.00	0.65	0.291	O					0.94
38.250	0.00	0.64	0.286	O					0.92
38.333	0.00	0.63	0.282	O					0.91
38.417	0.00	0.62	0.278	O					0.90
38.500	0.00	0.61	0.273	O					0.88
38.583	0.00	0.60	0.269	O					0.87
38.667	0.00	0.59	0.265	O					0.86
38.750	0.00	0.58	0.261	O					0.84
38.833	0.00	0.57	0.257	O					0.83
38.917	0.00	0.56	0.253	O					0.82
39.000	0.00	0.56	0.249	O					0.80
39.083	0.00	0.55	0.246	O					0.79
39.167	0.00	0.54	0.242	O					0.78
39.250	0.00	0.53	0.238	O					0.77
39.333	0.00	0.52	0.235	O					0.76
39.417	0.00	0.51	0.231	O					0.75
39.500	0.00	0.51	0.227	O					0.73
39.583	0.00	0.50	0.224	O					0.72
39.667	0.00	0.49	0.221	O					0.71
39.750	0.00	0.48	0.217	O					0.70
39.833	0.00	0.48	0.214	O					0.69
39.917	0.00	0.47	0.211	O					0.68
40.000	0.00	0.46	0.207	O					0.67
40.083	0.00	0.45	0.204	O					0.66
40.167	0.00	0.45	0.201	O					0.65
40.250	0.00	0.44	0.198	O					0.64
40.333	0.00	0.43	0.195	O					0.63
40.417	0.00	0.43	0.192	O					0.62
40.500	0.00	0.42	0.189	O					0.61
40.583	0.00	0.41	0.186	O					0.60

40.667	0.00	0.41	0.184	O					0.59
40.750	0.00	0.40	0.181	O					0.58
40.833	0.00	0.40	0.178	O					0.57
40.917	0.00	0.39	0.175	O					0.57
41.000	0.00	0.38	0.173	O					0.56
41.083	0.00	0.38	0.170	O					0.55
41.167	0.00	0.37	0.167	O					0.54
41.250	0.00	0.37	0.165	O					0.53
41.333	0.00	0.36	0.162	O					0.52
41.417	0.00	0.36	0.160	O					0.52
41.500	0.00	0.35	0.157	O					0.51
41.583	0.00	0.35	0.155	O					0.50
41.667	0.00	0.34	0.153	O					0.49
41.750	0.00	0.33	0.150	O					0.49
41.833	0.00	0.33	0.148	O					0.48
41.917	0.00	0.32	0.146	O					0.47
42.000	0.00	0.32	0.144	O					0.46
42.083	0.00	0.31	0.141	O					0.46
42.167	0.00	0.31	0.139	O					0.45
42.250	0.00	0.31	0.137	O					0.44
42.333	0.00	0.30	0.135	O					0.44
42.417	0.00	0.30	0.133	O					0.43
42.500	0.00	0.29	0.131	O					0.42
42.583	0.00	0.29	0.129	O					0.42
42.667	0.00	0.28	0.127	O					0.41
42.750	0.00	0.28	0.125	O					0.40
42.833	0.00	0.27	0.123	O					0.40
42.917	0.00	0.27	0.121	O					0.39
43.000	0.00	0.27	0.119	O					0.39
43.083	0.00	0.26	0.118	O					0.38
43.167	0.00	0.26	0.116	O					0.37
43.250	0.00	0.25	0.114	O					0.37
43.333	0.00	0.25	0.112	O					0.36
43.417	0.00	0.25	0.111	O					0.36
43.500	0.00	0.24	0.109	O					0.35
43.583	0.00	0.24	0.107	O					0.35
43.667	0.00	0.24	0.106	O					0.34
43.750	0.00	0.23	0.104	O					0.34
43.833	0.00	0.23	0.102	O					0.33
43.917	0.00	0.22	0.101	O					0.33
44.000	0.00	0.22	0.099	O					0.32
44.083	0.00	0.22	0.098	O					0.32
44.167	0.00	0.21	0.096	O					0.31
44.250	0.00	0.21	0.095	O					0.31
44.333	0.00	0.21	0.093	O					0.30
44.417	0.00	0.20	0.092	O					0.30
44.500	0.00	0.20	0.091	O					0.29
44.583	0.00	0.20	0.089	O					0.29
44.667	0.00	0.20	0.088	O					0.28
44.750	0.00	0.19	0.087	O					0.28
44.833	0.00	0.19	0.085	O					0.28
44.917	0.00	0.19	0.084	O					0.27
45.000	0.00	0.18	0.083	O					0.27
45.083	0.00	0.18	0.081	O					0.26
45.167	0.00	0.18	0.080	O					0.26
45.250	0.00	0.18	0.079	O					0.25
45.333	0.00	0.17	0.078	O					0.25
45.417	0.00	0.17	0.077	O					0.25
45.500	0.00	0.17	0.075	O					0.24
45.583	0.00	0.17	0.074	O					0.24
45.667	0.00	0.16	0.073	O					0.24
45.750	0.00	0.16	0.072	O					0.23
45.833	0.00	0.16	0.071	O					0.23
45.917	0.00	0.16	0.070	O					0.23
46.000	0.00	0.15	0.069	O					0.22
46.083	0.00	0.15	0.068	O					0.22
46.167	0.00	0.15	0.067	O					0.22
46.250	0.00	0.15	0.066	O					0.21
46.333	0.00	0.14	0.065	O					0.21

46.417	0.00	0.14	0.064	O					0.21
46.500	0.00	0.14	0.063	O					0.20
46.583	0.00	0.14	0.062	O					0.20
46.667	0.00	0.14	0.061	O					0.20
46.750	0.00	0.13	0.060	O					0.19
46.833	0.00	0.13	0.059	O					0.19
46.917	0.00	0.13	0.058	O					0.19
47.000	0.00	0.13	0.057	O					0.18
47.083	0.00	0.13	0.056	O					0.18
47.167	0.00	0.12	0.056	O					0.18
47.250	0.00	0.12	0.055	O					0.18
47.333	0.00	0.12	0.054	O					0.17
47.417	0.00	0.12	0.053	O					0.17
47.500	0.00	0.12	0.052	O					0.17
47.583	0.00	0.11	0.051	O					0.17
47.667	0.00	0.11	0.051	O					0.16
47.750	0.00	0.11	0.050	O					0.16
47.833	0.00	0.11	0.049	O					0.16
47.917	0.00	0.11	0.048	O					0.16
48.000	0.00	0.11	0.048	O					0.15
48.083	0.00	0.10	0.047	O					0.15
48.167	0.00	0.10	0.046	O					0.15
48.250	0.00	0.10	0.045	O					0.15
48.333	0.00	0.10	0.045	O					0.14
48.417	0.00	0.10	0.044	O					0.14
48.500	0.00	0.10	0.043	O					0.14
48.583	0.00	0.10	0.043	O					0.14
48.667	0.00	0.09	0.042	O					0.14
48.750	0.00	0.09	0.041	O					0.13
48.833	0.00	0.09	0.041	O					0.13
48.917	0.00	0.09	0.040	O					0.13
49.000	0.00	0.09	0.040	O					0.13
49.083	0.00	0.09	0.039	O					0.13
49.167	0.00	0.09	0.038	O					0.12
49.250	0.00	0.08	0.038	O					0.12
49.333	0.00	0.08	0.037	O					0.12
49.417	0.00	0.08	0.037	O					0.12
49.500	0.00	0.08	0.036	O					0.12
49.583	0.00	0.08	0.036	O					0.11
49.667	0.00	0.08	0.035	O					0.11
49.750	0.00	0.08	0.035	O					0.11
49.833	0.00	0.08	0.034	O					0.11
49.917	0.00	0.07	0.033	O					0.11
50.000	0.00	0.07	0.033	O					0.11
50.083	0.00	0.07	0.032	O					0.10
50.167	0.00	0.07	0.032	O					0.10
50.250	0.00	0.07	0.031	O					0.10
50.333	0.00	0.07	0.031	O					0.10
50.417	0.00	0.07	0.031	O					0.10
50.500	0.00	0.07	0.030	O					0.10
50.583	0.00	0.07	0.030	O					0.10
50.667	0.00	0.06	0.029	O					0.09
50.750	0.00	0.06	0.029	O					0.09
50.833	0.00	0.06	0.028	O					0.09
50.917	0.00	0.06	0.028	O					0.09
51.000	0.00	0.06	0.027	O					0.09
51.083	0.00	0.06	0.027	O					0.09
51.167	0.00	0.06	0.027	O					0.09
51.250	0.00	0.06	0.026	O					0.08
51.333	0.00	0.06	0.026	O					0.08
51.417	0.00	0.06	0.025	O					0.08
51.500	0.00	0.06	0.025	O					0.08
51.583	0.00	0.05	0.025	O					0.08
51.667	0.00	0.05	0.024	O					0.08
51.750	0.00	0.05	0.024	O					0.08
51.833	0.00	0.05	0.024	O					0.08
51.917	0.00	0.05	0.023	O					0.07
52.000	0.00	0.05	0.023	O					0.07
52.083	0.00	0.05	0.022	O					0.07

52.167	0.00	0.05	0.022	O				0.07
52.250	0.00	0.05	0.022	O				0.07
52.333	0.00	0.05	0.021	O				0.07
52.417	0.00	0.05	0.021	O				0.07
52.500	0.00	0.05	0.021	O				0.07
52.583	0.00	0.05	0.020	O				0.07
52.667	0.00	0.04	0.020	O				0.07
52.750	0.00	0.04	0.020	O				0.06
52.833	0.00	0.04	0.020	O				0.06
52.917	0.00	0.04	0.019	O				0.06
53.000	0.00	0.04	0.019	O				0.06
53.083	0.00	0.04	0.019	O				0.06
53.167	0.00	0.04	0.018	O				0.06
53.250	0.00	0.04	0.018	O				0.06
53.333	0.00	0.04	0.018	O				0.06
53.417	0.00	0.04	0.018	O				0.06
53.500	0.00	0.04	0.017	O				0.06
53.583	0.00	0.04	0.017	O				0.06
53.667	0.00	0.04	0.017	O				0.05
53.750	0.00	0.04	0.017	O				0.05
53.833	0.00	0.04	0.016	O				0.05
53.917	0.00	0.04	0.016	O				0.05
54.000	0.00	0.04	0.016	O				0.05
54.083	0.00	0.03	0.016	O				0.05
54.167	0.00	0.03	0.015	O				0.05
54.250	0.00	0.03	0.015	O				0.05
54.333	0.00	0.03	0.015	O				0.05
54.417	0.00	0.03	0.015	O				0.05
54.500	0.00	0.03	0.014	O				0.05
54.583	0.00	0.03	0.014	O				0.05
54.667	0.00	0.03	0.014	O				0.05
54.750	0.00	0.03	0.014	O				0.04
54.833	0.00	0.03	0.014	O				0.04
54.917	0.00	0.03	0.013	O				0.04
55.000	0.00	0.03	0.013	O				0.04
55.083	0.00	0.03	0.013	O				0.04
55.167	0.00	0.03	0.013	O				0.04
55.250	0.00	0.03	0.013	O				0.04
55.333	0.00	0.03	0.012	O				0.04
55.417	0.00	0.03	0.012	O				0.04
55.500	0.00	0.03	0.012	O				0.04
55.583	0.00	0.03	0.012	O				0.04
55.667	0.00	0.03	0.012	O				0.04
55.750	0.00	0.03	0.011	O				0.04
55.833	0.00	0.03	0.011	O				0.04
55.917	0.00	0.02	0.011	O				0.04
56.000	0.00	0.02	0.011	O				0.04
56.083	0.00	0.02	0.011	O				0.03
56.167	0.00	0.02	0.011	O				0.03
56.250	0.00	0.02	0.010	O				0.03
56.333	0.00	0.02	0.010	O				0.03
56.417	0.00	0.02	0.010	O				0.03
56.500	0.00	0.02	0.010	O				0.03
56.583	0.00	0.02	0.010	O				0.03
56.667	0.00	0.02	0.010	O				0.03
56.750	0.00	0.02	0.010	O				0.03
56.833	0.00	0.02	0.009	O				0.03
56.917	0.00	0.02	0.009	O				0.03
57.000	0.00	0.02	0.009	O				0.03
57.083	0.00	0.02	0.009	O				0.03
57.167	0.00	0.02	0.009	O				0.03
57.250	0.00	0.02	0.009	O				0.03
57.333	0.00	0.02	0.009	O				0.03
57.417	0.00	0.02	0.008	O				0.03
57.500	0.00	0.02	0.008	O				0.03
57.583	0.00	0.02	0.008	O				0.03
57.667	0.00	0.02	0.008	O				0.03
57.750	0.00	0.02	0.008	O				0.03
57.833	0.00	0.02	0.008	O				0.03

57.917	0.00	0.02	0.008	O					0.02
58.000	0.00	0.02	0.008	O					0.02
58.083	0.00	0.02	0.007	O					0.02
58.167	0.00	0.02	0.007	O					0.02
58.250	0.00	0.02	0.007	O					0.02
58.333	0.00	0.02	0.007	O					0.02
58.417	0.00	0.02	0.007	O					0.02
58.500	0.00	0.02	0.007	O					0.02
58.583	0.00	0.02	0.007	O					0.02
58.667	0.00	0.01	0.007	O					0.02
58.750	0.00	0.01	0.007	O					0.02
58.833	0.00	0.01	0.006	O					0.02
58.917	0.00	0.01	0.006	O					0.02
59.000	0.00	0.01	0.006	O					0.02
59.083	0.00	0.01	0.006	O					0.02
59.167	0.00	0.01	0.006	O					0.02
59.250	0.00	0.01	0.006	O					0.02
59.333	0.00	0.01	0.006	O					0.02
59.417	0.00	0.01	0.006	O					0.02
59.500	0.00	0.01	0.006	O					0.02
59.583	0.00	0.01	0.006	O					0.02
59.667	0.00	0.01	0.006	O					0.02
59.750	0.00	0.01	0.005	O					0.02
59.833	0.00	0.01	0.005	O					0.02
59.917	0.00	0.01	0.005	O					0.02
60.000	0.00	0.01	0.005	O					0.02
60.083	0.00	0.01	0.005	O					0.02
60.167	0.00	0.01	0.005	O					0.02
60.250	0.00	0.01	0.005	O					0.02
60.333	0.00	0.01	0.005	O					0.02
60.417	0.00	0.01	0.005	O					0.02
60.500	0.00	0.01	0.005	O					0.02
60.583	0.00	0.01	0.005	O					0.02
60.667	0.00	0.01	0.005	O					0.01
60.750	0.00	0.01	0.005	O					0.01
60.833	0.00	0.01	0.004	O					0.01
60.917	0.00	0.01	0.004	O					0.01
61.000	0.00	0.01	0.004	O					0.01
61.083	0.00	0.01	0.004	O					0.01
61.167	0.00	0.01	0.004	O					0.01
61.250	0.00	0.01	0.004	O					0.01
61.333	0.00	0.01	0.004	O					0.01
61.417	0.00	0.01	0.004	O					0.01
61.500	0.00	0.01	0.004	O					0.01
61.583	0.00	0.01	0.004	O					0.01
61.667	0.00	0.01	0.004	O					0.01
61.750	0.00	0.01	0.004	O					0.01
61.833	0.00	0.01	0.004	O					0.01
61.917	0.00	0.01	0.004	O					0.01
62.000	0.00	0.01	0.004	O					0.01
62.083	0.00	0.01	0.004	O					0.01
62.167	0.00	0.01	0.004	O					0.01
62.250	0.00	0.01	0.003	O					0.01
62.333	0.00	0.01	0.003	O					0.01
62.417	0.00	0.01	0.003	O					0.01
62.500	0.00	0.01	0.003	O					0.01
62.583	0.00	0.01	0.003	O					0.01
62.667	0.00	0.01	0.003	O					0.01
62.750	0.00	0.01	0.003	O					0.01
62.833	0.00	0.01	0.003	O					0.01
62.917	0.00	0.01	0.003	O					0.01
63.000	0.00	0.01	0.003	O					0.01
63.083	0.00	0.01	0.003	O					0.01
63.167	0.00	0.01	0.003	O					0.01
63.250	0.00	0.01	0.003	O					0.01
63.333	0.00	0.01	0.003	O					0.01
63.417	0.00	0.01	0.003	O					0.01
63.500	0.00	0.01	0.003	O					0.01
63.583	0.00	0.01	0.003	O					0.01

63.667	0.00	0.01	0.003	O					0.01
63.750	0.00	0.01	0.003	O					0.01
63.833	0.00	0.01	0.003	O					0.01
63.917	0.00	0.01	0.003	O					0.01
64.000	0.00	0.01	0.003	O					0.01
64.083	0.00	0.01	0.002	O					0.01
64.167	0.00	0.01	0.002	O					0.01
64.250	0.00	0.01	0.002	O					0.01
64.333	0.00	0.01	0.002	O					0.01
64.417	0.00	0.01	0.002	O					0.01
64.500	0.00	0.01	0.002	O					0.01
64.583	0.00	0.01	0.002	O					0.01
64.667	0.00	0.00	0.002	O					0.01
64.750	0.00	0.00	0.002	O					0.01
64.833	0.00	0.00	0.002	O					0.01
64.917	0.00	0.00	0.002	O					0.01
65.000	0.00	0.00	0.002	O					0.01
65.083	0.00	0.00	0.002	O					0.01
65.167	0.00	0.00	0.002	O					0.01
65.250	0.00	0.00	0.002	O					0.01
65.333	0.00	0.00	0.002	O					0.01
65.417	0.00	0.00	0.002	O					0.01
65.500	0.00	0.00	0.002	O					0.01
65.583	0.00	0.00	0.002	O					0.01
65.667	0.00	0.00	0.002	O					0.01
65.750	0.00	0.00	0.002	O					0.01
65.833	0.00	0.00	0.002	O					0.01
65.917	0.00	0.00	0.002	O					0.01
66.000	0.00	0.00	0.002	O					0.01
66.083	0.00	0.00	0.002	O					0.01
66.167	0.00	0.00	0.002	O					0.01
66.250	0.00	0.00	0.002	O					0.01
66.333	0.00	0.00	0.002	O					0.01
66.417	0.00	0.00	0.002	O					0.01
66.500	0.00	0.00	0.002	O					0.01
66.583	0.00	0.00	0.002	O					0.01
66.667	0.00	0.00	0.002	O					0.00
66.750	0.00	0.00	0.002	O					0.00
66.833	0.00	0.00	0.001	O					0.00
66.917	0.00	0.00	0.001	O					0.00
67.000	0.00	0.00	0.001	O					0.00
67.083	0.00	0.00	0.001	O					0.00
67.167	0.00	0.00	0.001	O					0.00
67.250	0.00	0.00	0.001	O					0.00
67.333	0.00	0.00	0.001	O					0.00
67.417	0.00	0.00	0.001	O					0.00
67.500	0.00	0.00	0.001	O					0.00
67.583	0.00	0.00	0.001	O					0.00
67.667	0.00	0.00	0.001	O					0.00
67.750	0.00	0.00	0.001	O					0.00
67.833	0.00	0.00	0.001	O					0.00
67.917	0.00	0.00	0.001	O					0.00
68.000	0.00	0.00	0.001	O					0.00
68.083	0.00	0.00	0.001	O					0.00
68.167	0.00	0.00	0.001	O					0.00
68.250	0.00	0.00	0.001	O					0.00
68.333	0.00	0.00	0.001	O					0.00
68.417	0.00	0.00	0.001	O					0.00
68.500	0.00	0.00	0.001	O					0.00
68.583	0.00	0.00	0.001	O					0.00
68.667	0.00	0.00	0.001	O					0.00
68.750	0.00	0.00	0.001	O					0.00
68.833	0.00	0.00	0.001	O					0.00
68.917	0.00	0.00	0.001	O					0.00
69.000	0.00	0.00	0.001	O					0.00
69.083	0.00	0.00	0.001	O					0.00
69.167	0.00	0.00	0.001	O					0.00
69.250	0.00	0.00	0.001	O					0.00
69.333	0.00	0.00	0.001	O					0.00

69.417	0.00	0.00	0.001	O	|	|	|	|	0.00
69.500	0.00	0.00	0.001	O	|	|	|	|	0.00
69.583	0.00	0.00	0.001	O	|	|	|	|	0.00
69.667	0.00	0.00	0.001	O	|	|	|	|	0.00
69.750	0.00	0.00	0.001	O	|	|	|	|	0.00
69.833	0.00	0.00	0.001	O	|	|	|	|	0.00
69.917	0.00	0.00	0.001	O	|	|	|	|	0.00
70.000	0.00	0.00	0.001	O	|	|	|	|	0.00
70.083	0.00	0.00	0.001	O	|	|	|	|	0.00
70.167	0.00	0.00	0.001	O	|	|	|	|	0.00
70.250	0.00	0.00	0.001	O	|	|	|	|	0.00
70.333	0.00	0.00	0.001	O	|	|	|	|	0.00
70.417	0.00	0.00	0.001	O	|	|	|	|	0.00
70.500	0.00	0.00	0.001	O	|	|	|	|	0.00
70.583	0.00	0.00	0.001	O	|	|	|	|	0.00
70.667	0.00	0.00	0.001	O	|	|	|	|	0.00
70.750	0.00	0.00	0.001	O	|	|	|	|	0.00
70.833	0.00	0.00	0.001	O	|	|	|	|	0.00
70.917	0.00	0.00	0.001	O	|	|	|	|	0.00
71.000	0.00	0.00	0.001	O	|	|	|	|	0.00
71.083	0.00	0.00	0.001	O	|	|	|	|	0.00
71.167	0.00	0.00	0.001	O	|	|	|	|	0.00
71.250	0.00	0.00	0.001	O	|	|	|	|	0.00
71.333	0.00	0.00	0.001	O	|	|	|	|	0.00
71.417	0.00	0.00	0.001	O	|	|	|	|	0.00
71.500	0.00	0.00	0.001	O	|	|	|	|	0.00
71.583	0.00	0.00	0.001	O	|	|	|	|	0.00
71.667	0.00	0.00	0.001	O	|	|	|	|	0.00
71.750	0.00	0.00	0.001	O	|	|	|	|	0.00
71.833	0.00	0.00	0.001	O	|	|	|	|	0.00
71.917	0.00	0.00	0.001	O	|	|	|	|	0.00
72.000	0.00	0.00	0.001	O	|	|	|	|	0.00
72.083	0.00	0.00	0.001	O	|	|	|	|	0.00
72.167	0.00	0.00	0.001	O	|	|	|	|	0.00
72.250	0.00	0.00	0.001	O	|	|	|	|	0.00
72.333	0.00	0.00	0.001	O	|	|	|	|	0.00
72.417	0.00	0.00	0.001	O	|	|	|	|	0.00
72.500	0.00	0.00	0.001	O	|	|	|	|	0.00
72.583	0.00	0.00	0.001	O	|	|	|	|	0.00
72.667	0.00	0.00	0.001	O	|	|	|	|	0.00
72.750	0.00	0.00	0.001	O	|	|	|	|	0.00
72.833	0.00	0.00	0.000	O	|	|	|	|	0.00
72.917	0.00	0.00	0.000	O	|	|	|	|	0.00
73.000	0.00	0.00	0.000	O	|	|	|	|	0.00
73.083	0.00	0.00	0.000	O	|	|	|	|	0.00
73.167	0.00	0.00	0.000	O	|	|	|	|	0.00
73.250	0.00	0.00	0.000	O	|	|	|	|	0.00
73.333	0.00	0.00	0.000	O	|	|	|	|	0.00
73.417	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 881
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 39.697 (CFS)
Total volume = 18.865 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

BASIN D

UNIT HYDROGRAPH

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/10/21 File: RVPRD110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

RIO VISTA DEVELOPMENT
BASIN D- PROPOSED UNIT HYDROGRAPH
10YR-1HR STORM

Drainage Area = 21.11(Ac.) = 0.033 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.11(Ac.) = 0.033 Sq. Mi.
Length along longest watercourse = 1478.00(Ft.)
Length along longest watercourse measured to centroid = 795.40(Ft.)
Length along longest watercourse = 0.280 Mi.
Length along longest watercourse measured to centroid = 0.151 Mi.
Difference in elevation = 55.00(Ft.)
Slope along watercourse = 196.4817 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.38 Min.
25% of lag time = 0.59 Min.
40% of lag time = 0.95 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	0.55	11.61

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	1.30	27.44

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 0.859(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 0.858(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.110	67.00	0.456

Total Area Entered = 21.11(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
     67.0  67.0      0.394     0.456        0.233       1.000      0.233
                                                        Sum (F) =   0.233
     Area averaged mean soil loss (F) (In/Hr) =  0.233
     Minimum soil loss rate ((In/Hr)) =  0.116
     (for 24 hour storm duration)
     Soil low loss rate (decimal) =   0.535
     ------------------------------------------------------------------------
     Slope of intensity-duration curve for a 1 hour storm =0.5500
     ------------------------------------------------------------------------

                 U n i t  H y d r o g r a p h
                        VALLEY S-Curve
     ------------------------------------------------------------------------
                 Unit Hydrograph Data
     ------------------------------------------------------------------------
     Unit time period   Time % of lag   Distribution   Unit Hydrograph
         (hrs)                           Graph %           (CFS)
     ------------------------------------------------------------------------
         1   0.083        210.257         45.119             9.599
         2   0.167        420.514         42.658             9.075
         3   0.250        630.771          8.392             1.785
         4   0.333        841.028          3.831             0.815
                                  Sum = 100.000   Sum=      21.275
-------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)          Max    |   Low        (In/Hr)
   1   0.08     3.30      0.340       (  0.233)       0.182        0.158
   2   0.17     4.20      0.433       (  0.233)       0.232        0.201
   3   0.25     4.40      0.453          0.233    (  0.243)        0.221
   4   0.33     4.80      0.494          0.233    (  0.265)        0.262
   5   0.42     5.20      0.536          0.233    (  0.287)        0.303
   6   0.50     6.20      0.639          0.233    (  0.342)        0.406
   7   0.58     6.80      0.700          0.233    (  0.375)        0.468
   8   0.67     8.80      0.906          0.233    (  0.485)        0.674
   9   0.75    13.90      1.432          0.233    (  0.766)        1.199
  10   0.83    31.40      3.234          0.233    (  1.731)        3.002
  11   0.92     7.20      0.742          0.233    (  0.397)        0.509
  12   1.00     3.80      0.391       (  0.233)       0.209        0.182
            (Loss Rate Not Used)
     Sum =     100.0                                  Sum =     7.6
      Flood volume = Effective rainfall      0.63(In)
       times area      21.1(Ac.)/[(In)/(Ft.)] =       1.1(Ac.Ft)
      Total soil loss =      0.23(In)
      Total soil loss =     0.398(Ac.Ft)
      Total rainfall =      0.86(In)
      Flood volume =       48435.4 Cubic Feet
      Total soil loss =       17342.5 Cubic Feet
      ------------------------------------------------------------------------
       Peak flow rate of this hydrograph =     41.305(CFS)
      ------------------------------------------------------------------------
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        1 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ------------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ------------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       12.5      25.0      37.5      50.0
  ------------------------------------------------------------------------
    0+ 5       0.0105      1.52  VQ        |         |         |         |
    0+10       0.0336      3.37  |VQ       |         |         |         |
    0+15       0.0627      4.23  | VQ      |         |         |         |
    0+20       0.0972      5.01  |  VQ     |         |         |         |
    0+25       0.1375      5.85  |   Q     |         |         |         |
```

```
    0+30       0.1878      7.30  |    QV   |         |         |         |
    0+35       0.2493      8.94  |      QV |         |         |         |
    0+40       0.3299     11.69  |        Q|V        |         |         |
    0+45       0.4594     18.80  |         |    QV   |         |         |
    0+50       0.7438     41.30  |         |         |     V   |  Q      |
    0+55       0.9838     34.84  |         |         |      Q  |    V    |
    1+ 0       1.0713     12.71  |         Q         |         |       V |
    1+ 5       1.1058      5.01  |   Q     |         |         |        V|
    1+10       1.1109      0.74  Q         |         |         |        V|
    1+15       1.1119      0.15  Q         |         |         |        V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/10/21 File: RVPRD310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN D- PROPOSED UNIT HYDROGRAPH
10YR-3HR STORM

Drainage Area = 21.11(Ac.) = 0.033 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.11(Ac.) = 0.033 Sq. Mi.
Length along longest watercourse = 1478.00(Ft.)
Length along longest watercourse measured to centroid = 795.40(Ft.)
Length along longest watercourse = 0.280 Mi.
Length along longest watercourse measured to centroid = 0.151 Mi.
Difference in elevation = 55.00(Ft.)
Slope along watercourse = 196.4817 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.38 Min.
25% of lag time = 0.59 Min.
40% of lag time = 0.95 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	1.10	23.22

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	2.00	42.22

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 1.470(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.470(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.110	67.00	0.456

Total Area Entered = 21.11(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
67.0	67.0	0.394	0.456	0.233	1.000	0.233
					Sum (F) =	0.233

Area averaged mean soil loss (F) (In/Hr) = 0.233
Minimum soil loss rate ((In/Hr)) = 0.116
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.535

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	210.257	45.119	9.599
2	0.167	420.514	42.658	9.075
3	0.250	630.771	8.392	1.785
4	0.333	841.028	3.831	0.815
		Sum = 100.000	Sum=	21.275

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	1.30	0.229	(0.233)		0.123	0.107
2	0.17	1.30	0.229	(0.233)		0.123	0.107
3	0.25	1.10	0.194	(0.233)		0.104	0.090
4	0.33	1.50	0.265	(0.233)		0.142	0.123
5	0.42	1.50	0.265	(0.233)		0.142	0.123
6	0.50	1.80	0.318	(0.233)		0.170	0.148
7	0.58	1.50	0.265	(0.233)		0.142	0.123
8	0.67	1.80	0.318	(0.233)		0.170	0.148
9	0.75	1.80	0.318	(0.233)		0.170	0.148
10	0.83	1.50	0.265	(0.233)		0.142	0.123
11	0.92	1.60	0.282	(0.233)		0.151	0.131
12	1.00	1.80	0.318	(0.233)		0.170	0.148
13	1.08	2.20	0.388	(0.233)		0.208	0.180
14	1.17	2.20	0.388	(0.233)		0.208	0.180
15	1.25	2.20	0.388	(0.233)		0.208	0.180
16	1.33	2.00	0.353	(0.233)		0.189	0.164
17	1.42	2.60	0.459	0.233	(	0.245)	0.226
18	1.50	2.70	0.476	0.233	(	0.255)	0.244
19	1.58	2.40	0.423	(0.233)		0.227	0.197
20	1.67	2.70	0.476	0.233	(	0.255)	0.244
21	1.75	3.30	0.582	0.233	(	0.312)	0.350
22	1.83	3.10	0.547	0.233	(	0.293)	0.314
23	1.92	2.90	0.512	0.233	(	0.274)	0.279
24	2.00	3.00	0.529	0.233	(	0.283)	0.297
25	2.08	3.10	0.547	0.233	(	0.293)	0.314
26	2.17	4.20	0.741	0.233	(	0.397)	0.508
27	2.25	5.00	0.882	0.233	(	0.472)	0.650
28	2.33	3.50	0.617	0.233	(	0.330)	0.385
29	2.42	6.80	1.200	0.233	(	0.642)	0.967
30	2.50	7.30	1.288	0.233	(	0.689)	1.055
31	2.58	8.20	1.447	0.233	(	0.774)	1.214
32	2.67	5.90	1.041	0.233	(	0.557)	0.808
33	2.75	2.00	0.353	(0.233)		0.189	0.164
34	2.83	1.80	0.318	(0.233)		0.170	0.148
35	2.92	1.80	0.318	(0.233)		0.170	0.148

```
 36   3.00     0.60      0.106       (  0.233)       0.057        0.049
            (Loss Rate Not Used)
    Sum =     100.0                                   Sum =    10.8
      Flood volume = Effective rainfall      0.90(In)
       times area      21.1(Ac.)/[(In)/(Ft.)] =       1.6(Ac.Ft)
      Total soil loss =      0.57(In)
      Total soil loss =     1.005(Ac.Ft)
      Total rainfall =      1.47(In)
      Flood volume =       68856.5 Cubic Feet
      Total soil loss =       43798.7 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =     23.284(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          3 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0        7.5      15.0      22.5      30.0
 ------------------------------------------------------------------------
   0+ 5       0.0071      1.02  VQ        |         |         |         |
   0+10       0.0208      1.99  V Q       |         |         |         |
   0+15       0.0347      2.02  V Q       |         |         |         |
   0+20       0.0504      2.28  |V Q      |         |         |         |
   0+25       0.0679      2.55  |V Q      |         |         |         |
   0+30       0.0874      2.83  | VQ      |         |         |         |
   0+35       0.1070      2.84  | VQ      |         |         |         |
   0+40       0.1269      2.90  |  Q      |         |         |         |
   0+45       0.1483      3.10  |  VQ     |         |         |         |
   0+50       0.1681      2.89  |  QV     |         |         |         |
   0+55       0.1872      2.76  |  QV     |         |         |         |
   1+ 0       0.2075      2.95  |  Q V    |         |         |         |
   1+ 5       0.2309      3.41  |   QV    |         |         |         |
   1+10       0.2567      3.74  |   Q V   |         |         |         |
   1+15       0.2830      3.81  |    Q V  |         |         |         |
   1+20       0.3083      3.68  |   Q  V  |         |         |         |
   1+25       0.3368      4.13  |    Q  V |         |         |         |
   1+30       0.3701      4.83  |     Q  V|         |         |         |
   1+35       0.4020      4.64  |     Q   V         |         |         |
   1+40       0.4347      4.75  |     Q   |V        |         |         |
   1+45       0.4769      6.12  |       Q | V       |         |         |
   1+50       0.5237      6.79  |        Q|  V      |         |         |
   1+55       0.5674      6.36  |       Q |   V     |         |         |
   2+ 0       0.6103      6.23  |       Q |    V    |         |         |
   2+ 5       0.6549      6.47  |       Q |     V   |         |         |
   2+10       0.7134      8.49  |         |Q      V |         |         |
   2+15       0.7937     11.66  |         |    Q    V         |         |
   2+20       0.8678     10.76  |         |   Q     |V        |         |
   2+25       0.9667     14.36  |         |        Q|   V     |         |
   2+30       1.1053     20.13  |         |         |     QV  |         |
   2+35       1.2657     23.28  |         |         |         |QV       |
   2+40       1.4135     21.46  |         |         |       Q |    V    |
   2+45       1.4957     11.94  |         |    Q    |         |      V  |
   2+50       1.5325      5.34  |      Q  |         |         |       V |
   2+55       1.5581      3.71  |   Q     |         |         |        V|
   3+ 0       1.5733      2.21  | Q       |         |         |        V|
   3+ 5       1.5790      0.83  |Q        |         |         |        V|
   3+10       1.5805      0.21  Q         |         |         |        V|
   3+15       1.5807      0.04  Q         |         |         |        V|
------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/10/21 File: RVPRD610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN D- PROPOSED UNIT HYDROGRAPH
10YR-6HR STORM

Drainage Area = 21.11(Ac.) = 0.033 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.11(Ac.) = 0.033 Sq. Mi.
Length along longest watercourse = 1478.00(Ft.)
Length along longest watercourse measured to centroid = 795.40(Ft.)
Length along longest watercourse = 0.280 Mi.
Length along longest watercourse measured to centroid = 0.151 Mi.
Difference in elevation = 55.00(Ft.)
Slope along watercourse = 196.4817 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.38 Min.
25% of lag time = 0.59 Min.
40% of lag time = 0.95 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	1.60	33.78

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	3.00	63.33

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 2.176(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.176(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.110	67.00	0.456

Total Area Entered = 21.11(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
67.0	67.0	0.394	0.456	0.233	1.000	0.233

Sum (F) = 0.233

Area averaged mean soil loss (F) (In/Hr) = 0.233
Minimum soil loss rate ((In/Hr)) = 0.116
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.535

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %		Unit Hydrograph (CFS)
1	0.083	210.257	45.119		9.599
2	0.167	420.514	42.658		9.075
3	0.250	630.771	8.392		1.785
4	0.333	841.028	3.831		0.815
			Sum = 100.000	Sum=	21.275

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.50	0.131	(0.233)		0.070	0.061
2	0.17	0.60	0.157	(0.233)		0.084	0.073
3	0.25	0.60	0.157	(0.233)		0.084	0.073
4	0.33	0.60	0.157	(0.233)		0.084	0.073
5	0.42	0.60	0.157	(0.233)		0.084	0.073
6	0.50	0.70	0.183	(0.233)		0.098	0.085
7	0.58	0.70	0.183	(0.233)		0.098	0.085
8	0.67	0.70	0.183	(0.233)		0.098	0.085
9	0.75	0.70	0.183	(0.233)		0.098	0.085
10	0.83	0.70	0.183	(0.233)		0.098	0.085
11	0.92	0.70	0.183	(0.233)		0.098	0.085
12	1.00	0.80	0.209	(0.233)		0.112	0.097
13	1.08	0.80	0.209	(0.233)		0.112	0.097
14	1.17	0.80	0.209	(0.233)		0.112	0.097
15	1.25	0.80	0.209	(0.233)		0.112	0.097
16	1.33	0.80	0.209	(0.233)		0.112	0.097
17	1.42	0.80	0.209	(0.233)		0.112	0.097
18	1.50	0.80	0.209	(0.233)		0.112	0.097
19	1.58	0.80	0.209	(0.233)		0.112	0.097
20	1.67	0.80	0.209	(0.233)		0.112	0.097
21	1.75	0.80	0.209	(0.233)		0.112	0.097
22	1.83	0.80	0.209	(0.233)		0.112	0.097
23	1.92	0.80	0.209	(0.233)		0.112	0.097
24	2.00	0.90	0.235	(0.233)		0.126	0.109
25	2.08	0.80	0.209	(0.233)		0.112	0.097
26	2.17	0.90	0.235	(0.233)		0.126	0.109
27	2.25	0.90	0.235	(0.233)		0.126	0.109
28	2.33	0.90	0.235	(0.233)		0.126	0.109
29	2.42	0.90	0.235	(0.233)		0.126	0.109
30	2.50	0.90	0.235	(0.233)		0.126	0.109
31	2.58	0.90	0.235	(0.233)		0.126	0.109
32	2.67	0.90	0.235	(0.233)		0.126	0.109
33	2.75	1.00	0.261	(0.233)		0.140	0.121
34	2.83	1.00	0.261	(0.233)		0.140	0.121
35	2.92	1.00	0.261	(0.233)		0.140	0.121
36	3.00	1.00	0.261	(0.233)		0.140	0.121
37	3.08	1.00	0.261	(0.233)		0.140	0.121
38	3.17	1.10	0.287	(0.233)		0.154	0.133
39	3.25	1.10	0.287	(0.233)		0.154	0.133
40	3.33	1.10	0.287	(0.233)		0.154	0.133
41	3.42	1.20	0.313	(0.233)		0.168	0.146

```
42   3.50     1.30      0.339       (  0.233)       0.182        0.158
43   3.58     1.40      0.366       (  0.233)       0.196        0.170
44   3.67     1.40      0.366       (  0.233)       0.196        0.170
45   3.75     1.50      0.392       (  0.233)       0.210        0.182
46   3.83     1.50      0.392       (  0.233)       0.210        0.182
47   3.92     1.60      0.418       (  0.233)       0.224        0.194
48   4.00     1.60      0.418       (  0.233)       0.224        0.194
49   4.08     1.70      0.444          0.233    (  0.238)        0.211
50   4.17     1.80      0.470          0.233    (  0.252)        0.237
51   4.25     1.90      0.496          0.233    (  0.266)        0.264
52   4.33     2.00      0.522          0.233    (  0.279)        0.290
53   4.42     2.10      0.548          0.233    (  0.293)        0.316
54   4.50     2.10      0.548          0.233    (  0.293)        0.316
55   4.58     2.20      0.574          0.233    (  0.307)        0.342
56   4.67     2.30      0.601          0.233    (  0.321)        0.368
57   4.75     2.40      0.627          0.233    (  0.335)        0.394
58   4.83     2.40      0.627          0.233    (  0.335)        0.394
59   4.92     2.50      0.653          0.233    (  0.349)        0.420
60   5.00     2.60      0.679          0.233    (  0.363)        0.446
61   5.08     3.10      0.809          0.233    (  0.433)        0.577
62   5.17     3.60      0.940          0.233    (  0.503)        0.707
63   5.25     3.90      1.018          0.233    (  0.545)        0.786
64   5.33     4.20      1.097          0.233    (  0.587)        0.864
65   5.42     4.70      1.227          0.233    (  0.657)        0.995
66   5.50     5.60      1.462          0.233    (  0.783)        1.230
67   5.58     1.90      0.496          0.233    (  0.266)        0.264
68   5.67     0.90      0.235       (  0.233)       0.126        0.109
69   5.75     0.60      0.157       (  0.233)       0.084        0.073
70   5.83     0.50      0.131       (  0.233)       0.070        0.061
71   5.92     0.30      0.078       (  0.233)       0.042        0.036
72   6.00     0.20      0.052       (  0.233)       0.028        0.024
          (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    15.1
     Flood volume = Effective rainfall      1.26(In)
      times area      21.1(Ac.)/[(In)/(Ft.)] =       2.2(Ac.Ft)
     Total soil loss =      0.92(In)
     Total soil loss =     1.611(Ac.Ft)
     Total rainfall =      2.18(In)
     Flood volume =       96577.1 Cubic Feet
     Total soil loss =       70154.0 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     23.025(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        7.5      15.0      22.5      30.0
-------------------------------------------------------------------------
  0+ 5       0.0040      0.58  Q         |         |         |         |
  0+10       0.0126      1.25  VQ        |         |         |         |
  0+15       0.0227      1.47  VQ        |         |         |         |
  0+20       0.0333      1.54  V Q       |         |         |         |
  0+25       0.0440      1.55  V Q       |         |         |         |
  0+30       0.0555      1.67  |VQ       |         |         |         |
  0+35       0.0677      1.78  |VQ       |         |         |         |
  0+40       0.0801      1.80  |VQ       |         |         |         |
  0+45       0.0926      1.81  |VQ       |         |         |         |
  0+50       0.1050      1.81  |VQ       |         |         |         |
  0+55       0.1175      1.81  | Q       |         |         |         |
  1+ 0       0.1307      1.92  | Q       |         |         |         |
  1+ 5       0.1448      2.04  | Q       |         |         |         |
  1+10       0.1589      2.06  | Q       |         |         |         |
  1+15       0.1731      2.07  | QV      |         |         |         |
  1+20       0.1874      2.07  | QV      |         |         |         |
  1+25       0.2016      2.07  | QV      |         |         |         |
```

1+30	0.2158	2.07	QV				
1+35	0.2301	2.07	Q V				
1+40	0.2443	2.07	Q V				
1+45	0.2585	2.07	Q V				
1+50	0.2728	2.07	Q V				
1+55	0.2870	2.07	Q V				
2+ 0	0.3020	2.18	Q V				
2+ 5	0.3170	2.18	Q V				
2+10	0.3322	2.20	Q V				
2+15	0.3481	2.30	Q V				
2+20	0.3640	2.32	Q V				
2+25	0.3800	2.32	Q V				
2+30	0.3961	2.32	Q V				
2+35	0.4121	2.32	Q V				
2+40	0.4281	2.32	Q V				
2+45	0.4449	2.44	Q V				
2+50	0.4625	2.55	Q V				
2+55	0.4802	2.57	Q V				
3+ 0	0.4980	2.58	Q V				
3+ 5	0.5158	2.58	Q V				
3+10	0.5344	2.70	Q V				
3+15	0.5537	2.81	Q V				
3+20	0.5732	2.83	Q V				
3+25	0.5936	2.96	Q V				
3+30	0.6155	3.18	Q V				
3+35	0.6392	3.43	Q V				
3+40	0.6638	3.58	Q V				
3+45	0.6894	3.72	Q V				
3+50	0.7159	3.84	Q V				
3+55	0.7433	3.98	Q V				
4+ 0	0.7716	4.10	Q V				
4+ 5	0.8011	4.29	Q V				
4+10	0.8335	4.70	Q V				
4+15	0.8695	5.22	Q V				
4+20	0.9092	5.77	Q V				
4+25	0.9528	6.33	Q V				
4+30	0.9985	6.63	Q V				
4+35	1.0463	6.95	Q V				
4+40	1.0977	7.46	Q V				
4+45	1.1528	7.99	Q V				
4+50	1.2099	8.30	Q V				
4+55	1.2693	8.62	Q V				
5+ 0	1.3321	9.13	Q V				
5+ 5	1.4056	10.66	Q V				
5+10	1.4963	13.17	Q V				
5+15	1.6021	15.36	Q V				
5+20	1.7204	17.17	Q V				
5+25	1.8538	19.38	Q V				
5+30	2.0124	23.02	Q V				
5+35	2.1238	16.18	Q V				
5+40	2.1682	6.45	Q V				
5+45	2.1900	3.16	Q V				
5+50	2.2014	1.65	Q V				
5+55	2.2091	1.12	Q V				
6+ 0	2.2142	0.73	Q V				
6+ 5	2.2165	0.33	Q V				
6+10	2.2170	0.07	Q V				
6+15	2.2171	0.02	Q V				

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/10/21 File: RVPRD2410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN D- PROPOSED UNIT HYDROGRAPH
10YR-24HR STORM

Drainage Area = 21.11(Ac.) = 0.033 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.11(Ac.) = 0.033 Sq. Mi.
Length along longest watercourse = 1478.00(Ft.)
Length along longest watercourse measured to centroid = 795.40(Ft.)
Length along longest watercourse = 0.280 Mi.
Length along longest watercourse measured to centroid = 0.151 Mi.
Difference in elevation = 55.00(Ft.)
Slope along watercourse = 196.4817 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.38 Min.
25% of lag time = 0.59 Min.
40% of lag time = 0.95 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	2.70	57.00

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	7.00	147.77

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 4.469(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 4.469(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.110	67.00	0.456

Total Area Entered = 21.11(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
67.0	67.0	0.394	0.456	0.233	1.000	0.233
					Sum (F) =	0.233

Area averaged mean soil loss (F) (In/Hr) = 0.233
Minimum soil loss rate ((In/Hr)) = 0.116
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.535

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	210.257	45.119	9.599
2 0.167	420.514	42.658	9.075
3 0.250	630.771	8.392	1.785
4 0.333	841.028	3.831	0.815
		Sum = 100.000	Sum= 21.275

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1 0.08	0.07	0.036	(0.412)	0.019	0.017
2 0.17	0.07	0.036	(0.411)	0.019	0.017
3 0.25	0.07	0.036	(0.409)	0.019	0.017
4 0.33	0.10	0.054	(0.407)	0.029	0.025
5 0.42	0.10	0.054	(0.406)	0.029	0.025
6 0.50	0.10	0.054	(0.404)	0.029	0.025
7 0.58	0.10	0.054	(0.403)	0.029	0.025
8 0.67	0.10	0.054	(0.401)	0.029	0.025
9 0.75	0.10	0.054	(0.400)	0.029	0.025
10 0.83	0.13	0.072	(0.398)	0.038	0.033
11 0.92	0.13	0.072	(0.396)	0.038	0.033
12 1.00	0.13	0.072	(0.395)	0.038	0.033
13 1.08	0.10	0.054	(0.393)	0.029	0.025
14 1.17	0.10	0.054	(0.392)	0.029	0.025
15 1.25	0.10	0.054	(0.390)	0.029	0.025
16 1.33	0.10	0.054	(0.389)	0.029	0.025
17 1.42	0.10	0.054	(0.387)	0.029	0.025
18 1.50	0.10	0.054	(0.386)	0.029	0.025
19 1.58	0.10	0.054	(0.384)	0.029	0.025
20 1.67	0.10	0.054	(0.382)	0.029	0.025
21 1.75	0.10	0.054	(0.381)	0.029	0.025
22 1.83	0.13	0.072	(0.379)	0.038	0.033
23 1.92	0.13	0.072	(0.378)	0.038	0.033
24 2.00	0.13	0.072	(0.376)	0.038	0.033
25 2.08	0.13	0.072	(0.375)	0.038	0.033
26 2.17	0.13	0.072	(0.373)	0.038	0.033
27 2.25	0.13	0.072	(0.372)	0.038	0.033
28 2.33	0.13	0.072	(0.370)	0.038	0.033
29 2.42	0.13	0.072	(0.369)	0.038	0.033
30 2.50	0.13	0.072	(0.367)	0.038	0.033
31 2.58	0.17	0.089	(0.366)	0.048	0.042
32 2.67	0.17	0.089	(0.364)	0.048	0.042
33 2.75	0.17	0.089	(0.363)	0.048	0.042
34 2.83	0.17	0.089	(0.361)	0.048	0.042
35 2.92	0.17	0.089	(0.360)	0.048	0.042
36 3.00	0.17	0.089	(0.358)	0.048	0.042
37 3.08	0.17	0.089	(0.357)	0.048	0.042
38 3.17	0.17	0.089	(0.355)	0.048	0.042
39 3.25	0.17	0.089	(0.354)	0.048	0.042
40 3.33	0.17	0.089	(0.352)	0.048	0.042
41 3.42	0.17	0.089	(0.351)	0.048	0.042
42 3.50	0.17	0.089	(0.349)	0.048	0.042

43	3.58	0.17	0.089	(0.348)	0.048	0.042
44	3.67	0.17	0.089	(0.347)	0.048	0.042
45	3.75	0.17	0.089	(0.345)	0.048	0.042
46	3.83	0.20	0.107	(0.344)	0.057	0.050
47	3.92	0.20	0.107	(0.342)	0.057	0.050
48	4.00	0.20	0.107	(0.341)	0.057	0.050
49	4.08	0.20	0.107	(0.339)	0.057	0.050
50	4.17	0.20	0.107	(0.338)	0.057	0.050
51	4.25	0.20	0.107	(0.336)	0.057	0.050
52	4.33	0.23	0.125	(0.335)	0.067	0.058
53	4.42	0.23	0.125	(0.334)	0.067	0.058
54	4.50	0.23	0.125	(0.332)	0.067	0.058
55	4.58	0.23	0.125	(0.331)	0.067	0.058
56	4.67	0.23	0.125	(0.329)	0.067	0.058
57	4.75	0.23	0.125	(0.328)	0.067	0.058
58	4.83	0.27	0.143	(0.326)	0.077	0.066
59	4.92	0.27	0.143	(0.325)	0.077	0.066
60	5.00	0.27	0.143	(0.324)	0.077	0.066
61	5.08	0.20	0.107	(0.322)	0.057	0.050
62	5.17	0.20	0.107	(0.321)	0.057	0.050
63	5.25	0.20	0.107	(0.319)	0.057	0.050
64	5.33	0.23	0.125	(0.318)	0.067	0.058
65	5.42	0.23	0.125	(0.317)	0.067	0.058
66	5.50	0.23	0.125	(0.315)	0.067	0.058
67	5.58	0.27	0.143	(0.314)	0.077	0.066
68	5.67	0.27	0.143	(0.312)	0.077	0.066
69	5.75	0.27	0.143	(0.311)	0.077	0.066
70	5.83	0.27	0.143	(0.310)	0.077	0.066
71	5.92	0.27	0.143	(0.308)	0.077	0.066
72	6.00	0.27	0.143	(0.307)	0.077	0.066
73	6.08	0.30	0.161	(0.306)	0.086	0.075
74	6.17	0.30	0.161	(0.304)	0.086	0.075
75	6.25	0.30	0.161	(0.303)	0.086	0.075
76	6.33	0.30	0.161	(0.302)	0.086	0.075
77	6.42	0.30	0.161	(0.300)	0.086	0.075
78	6.50	0.30	0.161	(0.299)	0.086	0.075
79	6.58	0.33	0.179	(0.297)	0.096	0.083
80	6.67	0.33	0.179	(0.296)	0.096	0.083
81	6.75	0.33	0.179	(0.295)	0.096	0.083
82	6.83	0.33	0.179	(0.293)	0.096	0.083
83	6.92	0.33	0.179	(0.292)	0.096	0.083
84	7.00	0.33	0.179	(0.291)	0.096	0.083
85	7.08	0.33	0.179	(0.289)	0.096	0.083
86	7.17	0.33	0.179	(0.288)	0.096	0.083
87	7.25	0.33	0.179	(0.287)	0.096	0.083
88	7.33	0.37	0.197	(0.286)	0.105	0.091
89	7.42	0.37	0.197	(0.284)	0.105	0.091
90	7.50	0.37	0.197	(0.283)	0.105	0.091
91	7.58	0.40	0.215	(0.282)	0.115	0.100
92	7.67	0.40	0.215	(0.280)	0.115	0.100
93	7.75	0.40	0.215	(0.279)	0.115	0.100
94	7.83	0.43	0.232	(0.278)	0.124	0.108
95	7.92	0.43	0.232	(0.276)	0.124	0.108
96	8.00	0.43	0.232	(0.275)	0.124	0.108
97	8.08	0.50	0.268	(0.274)	0.144	0.125
98	8.17	0.50	0.268	(0.273)	0.144	0.125
99	8.25	0.50	0.268	(0.271)	0.144	0.125
100	8.33	0.50	0.268	(0.270)	0.144	0.125
101	8.42	0.50	0.268	(0.269)	0.144	0.125
102	8.50	0.50	0.268	(0.268)	0.144	0.125
103	8.58	0.53	0.286	(0.266)	0.153	0.133
104	8.67	0.53	0.286	(0.265)	0.153	0.133
105	8.75	0.53	0.286	(0.264)	0.153	0.133
106	8.83	0.57	0.304	(0.263)	0.163	0.141
107	8.92	0.57	0.304	(0.261)	0.163	0.141
108	9.00	0.57	0.304	(0.260)	0.163	0.141
109	9.08	0.63	0.340	(0.259)	0.182	0.158
110	9.17	0.63	0.340	(0.258)	0.182	0.158
111	9.25	0.63	0.340	(0.256)	0.182	0.158

112	9.33	0.67	0.358	(0.255)	0.191	0.166
113	9.42	0.67	0.358	(0.254)	0.191	0.166
114	9.50	0.67	0.358	(0.253)	0.191	0.166
115	9.58	0.70	0.375	(0.252)	0.201	0.174
116	9.67	0.70	0.375	(0.250)	0.201	0.174
117	9.75	0.70	0.375	(0.249)	0.201	0.174
118	9.83	0.73	0.393	(0.248)	0.210	0.183
119	9.92	0.73	0.393	(0.247)	0.210	0.183
120	10.00	0.73	0.393	(0.246)	0.210	0.183
121	10.08	0.50	0.268	(0.244)	0.144	0.125
122	10.17	0.50	0.268	(0.243)	0.144	0.125
123	10.25	0.50	0.268	(0.242)	0.144	0.125
124	10.33	0.50	0.268	(0.241)	0.144	0.125
125	10.42	0.50	0.268	(0.240)	0.144	0.125
126	10.50	0.50	0.268	(0.238)	0.144	0.125
127	10.58	0.67	0.358	(0.237)	0.191	0.166
128	10.67	0.67	0.358	(0.236)	0.191	0.166
129	10.75	0.67	0.358	(0.235)	0.191	0.166
130	10.83	0.67	0.358	(0.234)	0.191	0.166
131	10.92	0.67	0.358	(0.233)	0.191	0.166
132	11.00	0.67	0.358	(0.232)	0.191	0.166
133	11.08	0.63	0.340	(0.230)	0.182	0.158
134	11.17	0.63	0.340	(0.229)	0.182	0.158
135	11.25	0.63	0.340	(0.228)	0.182	0.158
136	11.33	0.63	0.340	(0.227)	0.182	0.158
137	11.42	0.63	0.340	(0.226)	0.182	0.158
138	11.50	0.63	0.340	(0.225)	0.182	0.158
139	11.58	0.57	0.304	(0.224)	0.163	0.141
140	11.67	0.57	0.304	(0.223)	0.163	0.141
141	11.75	0.57	0.304	(0.221)	0.163	0.141
142	11.83	0.60	0.322	(0.220)	0.172	0.150
143	11.92	0.60	0.322	(0.219)	0.172	0.150
144	12.00	0.60	0.322	(0.218)	0.172	0.150
145	12.08	0.83	0.447	0.217	(0.239)	0.230
146	12.17	0.83	0.447	0.216	(0.239)	0.231
147	12.25	0.83	0.447	0.215	(0.239)	0.232
148	12.33	0.87	0.465	0.214	(0.249)	0.251
149	12.42	0.87	0.465	0.213	(0.249)	0.252
150	12.50	0.87	0.465	0.212	(0.249)	0.253
151	12.58	0.93	0.501	0.211	(0.268)	0.290
152	12.67	0.93	0.501	0.210	(0.268)	0.291
153	12.75	0.93	0.501	0.208	(0.268)	0.292
154	12.83	0.97	0.518	0.207	(0.277)	0.311
155	12.92	0.97	0.518	0.206	(0.277)	0.312
156	13.00	0.97	0.518	0.205	(0.277)	0.313
157	13.08	1.13	0.608	0.204	(0.325)	0.403
158	13.17	1.13	0.608	0.203	(0.325)	0.404
159	13.25	1.13	0.608	0.202	(0.325)	0.406
160	13.33	1.13	0.608	0.201	(0.325)	0.407
161	13.42	1.13	0.608	0.200	(0.325)	0.408
162	13.50	1.13	0.608	0.199	(0.325)	0.409
163	13.58	0.77	0.411	0.198	(0.220)	0.213
164	13.67	0.77	0.411	0.197	(0.220)	0.214
165	13.75	0.77	0.411	0.196	(0.220)	0.215
166	13.83	0.77	0.411	0.195	(0.220)	0.216
167	13.92	0.77	0.411	0.194	(0.220)	0.217
168	14.00	0.77	0.411	0.193	(0.220)	0.218
169	14.08	0.90	0.483	0.192	(0.258)	0.290
170	14.17	0.90	0.483	0.191	(0.258)	0.291
171	14.25	0.90	0.483	0.190	(0.258)	0.292
172	14.33	0.87	0.465	0.189	(0.249)	0.276
173	14.42	0.87	0.465	0.188	(0.249)	0.276
174	14.50	0.87	0.465	0.187	(0.249)	0.277
175	14.58	0.87	0.465	0.186	(0.249)	0.278
176	14.67	0.87	0.465	0.185	(0.249)	0.279
177	14.75	0.87	0.465	0.184	(0.249)	0.280
178	14.83	0.83	0.447	0.183	(0.239)	0.263
179	14.92	0.83	0.447	0.183	(0.239)	0.264
180	15.00	0.83	0.447	0.182	(0.239)	0.265

181	15.08	0.80	0.429	0.181	(0.230)	0.248
182	15.17	0.80	0.429	0.180	(0.230)	0.249
183	15.25	0.80	0.429	0.179	(0.230)	0.250
184	15.33	0.77	0.411	0.178	(0.220)	0.233
185	15.42	0.77	0.411	0.177	(0.220)	0.234
186	15.50	0.77	0.411	0.176	(0.220)	0.235
187	15.58	0.63	0.340	0.175	(0.182)	0.164
188	15.67	0.63	0.340	0.174	(0.182)	0.165
189	15.75	0.63	0.340	0.173	(0.182)	0.166
190	15.83	0.63	0.340	0.173	(0.182)	0.167
191	15.92	0.63	0.340	0.172	(0.182)	0.168
192	16.00	0.63	0.340	0.171	(0.182)	0.169
193	16.08	0.13	0.072	(0.170)	0.038	0.033
194	16.17	0.13	0.072	(0.169)	0.038	0.033
195	16.25	0.13	0.072	(0.168)	0.038	0.033
196	16.33	0.13	0.072	(0.167)	0.038	0.033
197	16.42	0.13	0.072	(0.166)	0.038	0.033
198	16.50	0.13	0.072	(0.166)	0.038	0.033
199	16.58	0.10	0.054	(0.165)	0.029	0.025
200	16.67	0.10	0.054	(0.164)	0.029	0.025
201	16.75	0.10	0.054	(0.163)	0.029	0.025
202	16.83	0.10	0.054	(0.162)	0.029	0.025
203	16.92	0.10	0.054	(0.161)	0.029	0.025
204	17.00	0.10	0.054	(0.161)	0.029	0.025
205	17.08	0.17	0.089	(0.160)	0.048	0.042
206	17.17	0.17	0.089	(0.159)	0.048	0.042
207	17.25	0.17	0.089	(0.158)	0.048	0.042
208	17.33	0.17	0.089	(0.157)	0.048	0.042
209	17.42	0.17	0.089	(0.157)	0.048	0.042
210	17.50	0.17	0.089	(0.156)	0.048	0.042
211	17.58	0.17	0.089	(0.155)	0.048	0.042
212	17.67	0.17	0.089	(0.154)	0.048	0.042
213	17.75	0.17	0.089	(0.154)	0.048	0.042
214	17.83	0.13	0.072	(0.153)	0.038	0.033
215	17.92	0.13	0.072	(0.152)	0.038	0.033
216	18.00	0.13	0.072	(0.151)	0.038	0.033
217	18.08	0.13	0.072	(0.151)	0.038	0.033
218	18.17	0.13	0.072	(0.150)	0.038	0.033
219	18.25	0.13	0.072	(0.149)	0.038	0.033
220	18.33	0.13	0.072	(0.148)	0.038	0.033
221	18.42	0.13	0.072	(0.148)	0.038	0.033
222	18.50	0.13	0.072	(0.147)	0.038	0.033
223	18.58	0.10	0.054	(0.146)	0.029	0.025
224	18.67	0.10	0.054	(0.145)	0.029	0.025
225	18.75	0.10	0.054	(0.145)	0.029	0.025
226	18.83	0.07	0.036	(0.144)	0.019	0.017
227	18.92	0.07	0.036	(0.143)	0.019	0.017
228	19.00	0.07	0.036	(0.143)	0.019	0.017
229	19.08	0.10	0.054	(0.142)	0.029	0.025
230	19.17	0.10	0.054	(0.141)	0.029	0.025
231	19.25	0.10	0.054	(0.141)	0.029	0.025
232	19.33	0.13	0.072	(0.140)	0.038	0.033
233	19.42	0.13	0.072	(0.139)	0.038	0.033
234	19.50	0.13	0.072	(0.139)	0.038	0.033
235	19.58	0.10	0.054	(0.138)	0.029	0.025
236	19.67	0.10	0.054	(0.137)	0.029	0.025
237	19.75	0.10	0.054	(0.137)	0.029	0.025
238	19.83	0.07	0.036	(0.136)	0.019	0.017
239	19.92	0.07	0.036	(0.136)	0.019	0.017
240	20.00	0.07	0.036	(0.135)	0.019	0.017
241	20.08	0.10	0.054	(0.134)	0.029	0.025
242	20.17	0.10	0.054	(0.134)	0.029	0.025
243	20.25	0.10	0.054	(0.133)	0.029	0.025
244	20.33	0.10	0.054	(0.133)	0.029	0.025
245	20.42	0.10	0.054	(0.132)	0.029	0.025
246	20.50	0.10	0.054	(0.132)	0.029	0.025
247	20.58	0.10	0.054	(0.131)	0.029	0.025
248	20.67	0.10	0.054	(0.130)	0.029	0.025
249	20.75	0.10	0.054	(0.130)	0.029	0.025

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250  20.83     0.07      0.036       (  0.129)       0.019        0.017
251  20.92     0.07      0.036       (  0.129)       0.019        0.017
252  21.00     0.07      0.036       (  0.128)       0.019        0.017
253  21.08     0.10      0.054       (  0.128)       0.029        0.025
254  21.17     0.10      0.054       (  0.127)       0.029        0.025
255  21.25     0.10      0.054       (  0.127)       0.029        0.025
256  21.33     0.07      0.036       (  0.126)       0.019        0.017
257  21.42     0.07      0.036       (  0.126)       0.019        0.017
258  21.50     0.07      0.036       (  0.125)       0.019        0.017
259  21.58     0.10      0.054       (  0.125)       0.029        0.025
260  21.67     0.10      0.054       (  0.124)       0.029        0.025
261  21.75     0.10      0.054       (  0.124)       0.029        0.025
262  21.83     0.07      0.036       (  0.124)       0.019        0.017
263  21.92     0.07      0.036       (  0.123)       0.019        0.017
264  22.00     0.07      0.036       (  0.123)       0.019        0.017
265  22.08     0.10      0.054       (  0.122)       0.029        0.025
266  22.17     0.10      0.054       (  0.122)       0.029        0.025
267  22.25     0.10      0.054       (  0.122)       0.029        0.025
268  22.33     0.07      0.036       (  0.121)       0.019        0.017
269  22.42     0.07      0.036       (  0.121)       0.019        0.017
270  22.50     0.07      0.036       (  0.120)       0.019        0.017
271  22.58     0.07      0.036       (  0.120)       0.019        0.017
272  22.67     0.07      0.036       (  0.120)       0.019        0.017
273  22.75     0.07      0.036       (  0.119)       0.019        0.017
274  22.83     0.07      0.036       (  0.119)       0.019        0.017
275  22.92     0.07      0.036       (  0.119)       0.019        0.017
276  23.00     0.07      0.036       (  0.119)       0.019        0.017
277  23.08     0.07      0.036       (  0.118)       0.019        0.017
278  23.17     0.07      0.036       (  0.118)       0.019        0.017
279  23.25     0.07      0.036       (  0.118)       0.019        0.017
280  23.33     0.07      0.036       (  0.118)       0.019        0.017
281  23.42     0.07      0.036       (  0.117)       0.019        0.017
282  23.50     0.07      0.036       (  0.117)       0.019        0.017
283  23.58     0.07      0.036       (  0.117)       0.019        0.017
284  23.67     0.07      0.036       (  0.117)       0.019        0.017
285  23.75     0.07      0.036       (  0.117)       0.019        0.017
286  23.83     0.07      0.036       (  0.116)       0.019        0.017
287  23.92     0.07      0.036       (  0.116)       0.019        0.017
288  24.00     0.07      0.036       (  0.116)       0.019        0.017
             (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    27.5
      Flood volume = Effective rainfall      2.29(In)
       times area      21.1(Ac.)/[(In)/(Ft.)] =       4.0(Ac.Ft)
      Total soil loss =      2.18(In)
      Total soil loss =     3.837(Ac.Ft)
      Total rainfall =      4.47(In)
      Flood volume =      175307.7 Cubic Feet
      Total soil loss =      167138.7 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =      8.682(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          24 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
 ----------------------------------------------------------------------
   0+ 5       0.0011      0.16  Q         |         |         |         |
   0+10       0.0032      0.31  VQ        |         |         |         |
   0+15       0.0056      0.34  VQ        |         |         |         |
   0+20       0.0086      0.43  VQ        |         |         |         |
   0+25       0.0121      0.51  V Q       |         |         |         |
   0+30       0.0157      0.52  V Q       |         |         |         |
   0+35       0.0193      0.53  V Q       |         |         |         |
   0+40       0.0230      0.53  V Q       |         |         |         |
   0+45       0.0266      0.53  V Q       |         |         |         |
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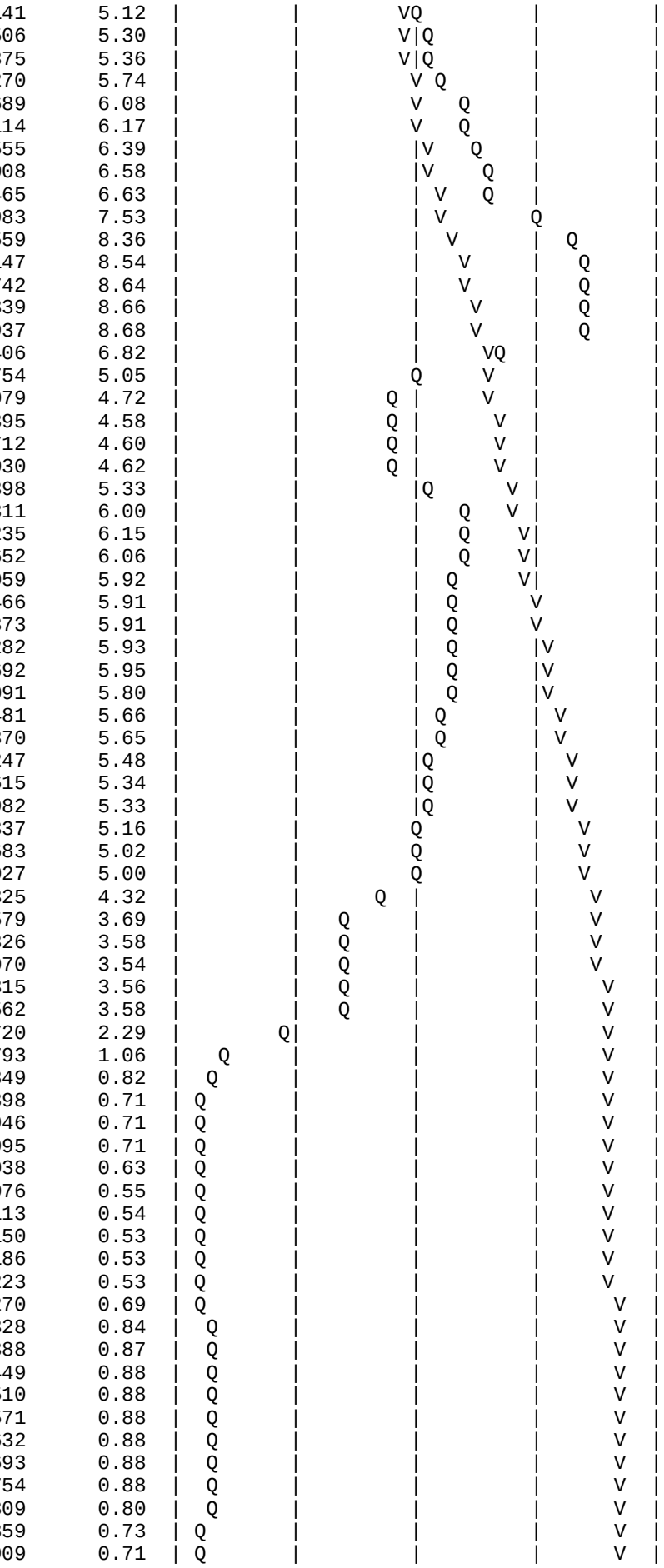
0+50       0.0308      0.61  V Q       |         |         |         |
0+55       0.0356      0.69  V Q       |         |         |         |
1+ 0       0.0404      0.70  V Q       |         |         |         |
1+ 5       0.0447      0.63  V Q       |         |         |         |
1+10       0.0485      0.55  V Q       |         |         |         |
1+15       0.0522      0.54  V Q       |         |         |         |
1+20       0.0559      0.53  V Q       |         |         |         |
1+25       0.0595      0.53  V Q       |         |         |         |
1+30       0.0632      0.53  V Q       |         |         |         |
1+35       0.0668      0.53  V Q       |         |         |         |
1+40       0.0705      0.53  V Q       |         |         |         |
1+45       0.0741      0.53  V Q       |         |         |         |
1+50       0.0783      0.61  V Q       |         |         |         |
1+55       0.0831      0.69  V Q       |         |         |         |
2+ 0       0.0879      0.70  V Q       |         |         |         |
2+ 5       0.0928      0.71  V Q       |         |         |         |
2+10       0.0976      0.71  V Q       |         |         |         |
2+15       0.1025      0.71  |VQ       |         |         |         |
2+20       0.1074      0.71  |VQ       |         |         |         |
2+25       0.1123      0.71  |VQ       |         |         |         |
2+30       0.1171      0.71  |VQ       |         |         |         |
2+35       0.1225      0.79  |V Q      |         |         |         |
2+40       0.1285      0.86  |V Q      |         |         |         |
2+45       0.1345      0.88  |V Q      |         |         |         |
2+50       0.1406      0.88  |V Q      |         |         |         |
2+55       0.1467      0.88  |V Q      |         |         |         |
3+ 0       0.1528      0.88  |V Q      |         |         |         |
3+ 5       0.1589      0.88  |V Q      |         |         |         |
3+10       0.1650      0.88  |V Q      |         |         |         |
3+15       0.1711      0.88  |V Q      |         |         |         |
3+20       0.1772      0.88  |V Q      |         |         |         |
3+25       0.1833      0.88  |V Q      |         |         |         |
3+30       0.1893      0.88  |V Q      |         |         |         |
3+35       0.1954      0.88  |V Q      |         |         |         |
3+40       0.2015      0.88  | VQ      |         |         |         |
3+45       0.2076      0.88  | VQ      |         |         |         |
3+50       0.2143      0.96  | VQ      |         |         |         |
3+55       0.2214      1.04  | V Q     |         |         |         |
4+ 0       0.2287      1.05  | V Q     |         |         |         |
4+ 5       0.2360      1.06  | V Q     |         |         |         |
4+10       0.2433      1.06  | V Q     |         |         |         |
4+15       0.2506      1.06  | V Q     |         |         |         |
4+20       0.2585      1.14  | V Q     |         |         |         |
4+25       0.2668      1.22  | V Q     |         |         |         |
4+30       0.2753      1.23  | V Q     |         |         |         |
4+35       0.2838      1.24  | V Q     |         |         |         |
4+40       0.2924      1.24  | V Q     |         |         |         |
4+45       0.3009      1.24  | V Q     |         |         |         |
4+50       0.3100      1.32  |  V Q    |         |         |         |
4+55       0.3196      1.39  |  V Q    |         |         |         |
5+ 0       0.3293      1.41  |  V Q    |         |         |         |
5+ 5       0.3379      1.26  |  V Q    |         |         |         |
5+10       0.3455      1.10  |  VQ     |         |         |         |
5+15       0.3529      1.07  |  VQ     |         |         |         |
5+20       0.3608      1.14  |  VQ     |         |         |         |
5+25       0.3691      1.22  |  VQ     |         |         |         |
5+30       0.3776      1.23  |  VQ     |         |         |         |
5+35       0.3867      1.32  |  V Q    |         |         |         |
5+40       0.3963      1.39  |  V Q    |         |         |         |
5+45       0.4060      1.41  |   VQ    |         |         |         |
5+50       0.4157      1.41  |   VQ    |         |         |         |
5+55       0.4255      1.41  |   VQ    |         |         |         |
6+ 0       0.4352      1.41  |   VQ    |         |         |         |
6+ 5       0.4455      1.49  |   VQ    |         |         |         |
6+10       0.4563      1.57  |   V Q   |         |         |         |
6+15       0.4672      1.58  |   V Q   |         |         |         |
6+20       0.4782      1.59  |   V Q   |         |         |         |
6+25       0.4892      1.59  |   V Q   |         |         |         |
6+30       0.5001      1.59  |   V Q   |         |         |         |
```

6+35	0.5116	1.67	VQ				
6+40	0.5237	1.75	VQ				
6+45	0.5358	1.76	V Q				
6+50	0.5480	1.77	V Q				
6+55	0.5602	1.77	V Q				
7+ 0	0.5723	1.77	V Q				
7+ 5	0.5845	1.77	V Q				
7+10	0.5967	1.77	V Q				
7+15	0.6089	1.77	VQ				
7+20	0.6216	1.85	VQ				
7+25	0.6349	1.92	VQ				
7+30	0.6482	1.94	VQ				
7+35	0.6622	2.03	V Q				
7+40	0.6766	2.10	V Q				
7+45	0.6912	2.12	V Q				
7+50	0.7064	2.20	VQ				
7+55	0.7221	2.28	V Q				
8+ 0	0.7378	2.29	V Q				
8+ 5	0.7548	2.46	V Q				
8+10	0.7727	2.61	V Q				
8+15	0.7909	2.64	V Q				
8+20	0.8092	2.65	V Q				
8+25	0.8275	2.65	V Q				
8+30	0.8457	2.65	V Q				
8+35	0.8646	2.73	V Q				
8+40	0.8839	2.81	V Q				
8+45	0.9033	2.82	V Q				
8+50	0.9234	2.91	V Q				
8+55	0.9439	2.98	V Q				
9+ 0	0.9646	3.00	V Q				
9+ 5	0.9864	3.17	V Q				
9+10	1.0092	3.32	V Q				
9+15	1.0323	3.35	V Q				
9+20	1.0560	3.44	V Q				
9+25	1.0802	3.52	V Q				
9+30	1.1045	3.53	V Q				
9+35	1.1294	3.62	V Q				
9+40	1.1548	3.69	V Q				
9+45	1.1804	3.71	V Q				
9+50	1.2065	3.79	V Q				
9+55	1.2331	3.87	V Q				
10+ 0	1.2599	3.88	V Q				
10+ 5	1.2828	3.33	VQ				
10+10	1.3022	2.80	QV				
10+15	1.3208	2.70	Q V				
10+20	1.3390	2.65	Q V				
10+25	1.3573	2.65	Q V				
10+30	1.3756	2.65	Q V				
10+35	1.3966	3.05	QV				
10+40	1.4202	3.43	QV				
10+45	1.4443	3.50	Q				
10+50	1.4687	3.54	Q				
10+55	1.4930	3.54	Q				
11+ 0	1.5174	3.54	QV				
11+ 5	1.5412	3.46	Q V				
11+10	1.5645	3.38	Q V				
11+15	1.5877	3.37	Q V				
11+20	1.6108	3.36	Q V				
11+25	1.6340	3.36	Q V				
11+30	1.6571	3.36	Q V				
11+35	1.6792	3.20	Q V				
11+40	1.7002	3.05	Q V				
11+45	1.7210	3.02	Q V				
11+50	1.7422	3.09	Q V				
11+55	1.7640	3.16	Q V				
12+ 0	1.7859	3.18	Q V				
12+ 5	1.8131	3.95	Q V				
12+10	1.8454	4.69	Q				
12+15	1.8789	4.86	VQ				

12+20	1.9141	5.12	
12+25	1.9506	5.30	
12+30	1.9875	5.36	
12+35	2.0270	5.74	
12+40	2.0689	6.08	
12+45	2.1114	6.17	
12+50	2.1555	6.39	
12+55	2.2008	6.58	
13+ 0	2.2465	6.63	
13+ 5	2.2983	7.53	
13+10	2.3559	8.36	
13+15	2.4147	8.54	
13+20	2.4742	8.64	
13+25	2.5339	8.66	
13+30	2.5937	8.68	
13+35	2.6406	6.82	
13+40	2.6754	5.05	
13+45	2.7079	4.72	
13+50	2.7395	4.58	
13+55	2.7712	4.60	
14+ 0	2.8030	4.62	
14+ 5	2.8398	5.33	
14+10	2.8811	6.00	
14+15	2.9235	6.15	
14+20	2.9652	6.06	
14+25	3.0059	5.92	
14+30	3.0466	5.91	
14+35	3.0873	5.91	
14+40	3.1282	5.93	
14+45	3.1692	5.95	
14+50	3.2091	5.80	
14+55	3.2481	5.66	
15+ 0	3.2870	5.65	
15+ 5	3.3247	5.48	
15+10	3.3615	5.34	
15+15	3.3982	5.33	
15+20	3.4337	5.16	
15+25	3.4683	5.02	
15+30	3.5027	5.00	
15+35	3.5325	4.32	
15+40	3.5579	3.69	
15+45	3.5826	3.58	
15+50	3.6070	3.54	
15+55	3.6315	3.56	
16+ 0	3.6562	3.58	
16+ 5	3.6720	2.29	
16+10	3.6793	1.06	
16+15	3.6849	0.82	
16+20	3.6898	0.71	
16+25	3.6946	0.71	
16+30	3.6995	0.71	
16+35	3.7038	0.63	
16+40	3.7076	0.55	
16+45	3.7113	0.54	
16+50	3.7150	0.53	
16+55	3.7186	0.53	
17+ 0	3.7223	0.53	
17+ 5	3.7270	0.69	
17+10	3.7328	0.84	
17+15	3.7388	0.87	
17+20	3.7449	0.88	
17+25	3.7510	0.88	
17+30	3.7571	0.88	
17+35	3.7632	0.88	
17+40	3.7693	0.88	
17+45	3.7754	0.88	
17+50	3.7809	0.80	
17+55	3.7859	0.73	
18+ 0	3.7909	0.71	

```
18+ 5       3.7957      0.71  | Q       |         |         |      V  |
18+10       3.8006      0.71  | Q       |         |         |      V  |
18+15       3.8055      0.71  | Q       |         |         |      V  |
18+20       3.8103      0.71  | Q       |         |         |      V  |
18+25       3.8152      0.71  | Q       |         |         |      V  |
18+30       3.8201      0.71  | Q       |         |         |      V  |
18+35       3.8244      0.63  | Q       |         |         |       V |
18+40       3.8282      0.55  | Q       |         |         |       V |
18+45       3.8319      0.54  | Q       |         |         |       V |
18+50       3.8350      0.45  |Q        |         |         |       V |
18+55       3.8376      0.38  |Q        |         |         |       V |
19+ 0       3.8401      0.36  |Q        |         |         |       V |
19+ 5       3.8431      0.43  |Q        |         |         |       V |
19+10       3.8466      0.51  | Q       |         |         |       V |
19+15       3.8502      0.52  | Q       |         |         |       V |
19+20       3.8544      0.61  | Q       |         |         |       V |
19+25       3.8591      0.69  | Q       |         |         |       V |
19+30       3.8639      0.70  | Q       |         |         |       V |
19+35       3.8683      0.63  | Q       |         |         |       V |
19+40       3.8721      0.55  | Q       |         |         |       V |
19+45       3.8758      0.54  | Q       |         |         |       V |
19+50       3.8789      0.45  |Q        |         |         |       V |
19+55       3.8814      0.38  |Q        |         |         |       V |
20+ 0       3.8839      0.36  |Q        |         |         |       V |
20+ 5       3.8869      0.43  |Q        |         |         |       V |
20+10       3.8904      0.51  | Q       |         |         |       V |
20+15       3.8940      0.52  | Q       |         |         |       V |
20+20       3.8977      0.53  | Q       |         |         |       V |
20+25       3.9013      0.53  | Q       |         |         |       V |
20+30       3.9050      0.53  | Q       |         |         |       V |
20+35       3.9086      0.53  | Q       |         |         |       V |
20+40       3.9123      0.53  | Q       |         |         |       V |
20+45       3.9160      0.53  | Q       |         |         |       V |
20+50       3.9191      0.45  |Q        |         |         |       V |
20+55       3.9216      0.38  |Q        |         |         |       V |
21+ 0       3.9241      0.36  |Q        |         |         |        V|
21+ 5       3.9271      0.43  |Q        |         |         |        V|
21+10       3.9306      0.51  | Q       |         |         |        V|
21+15       3.9342      0.52  | Q       |         |         |        V|
21+20       3.9373      0.45  |Q        |         |         |        V|
21+25       3.9399      0.38  |Q        |         |         |        V|
21+30       3.9424      0.36  |Q        |         |         |        V|
21+35       3.9454      0.43  |Q        |         |         |        V|
21+40       3.9489      0.51  | Q       |         |         |        V|
21+45       3.9525      0.52  | Q       |         |         |        V|
21+50       3.9556      0.45  |Q        |         |         |        V|
21+55       3.9582      0.38  |Q        |         |         |        V|
22+ 0       3.9607      0.36  |Q        |         |         |        V|
22+ 5       3.9637      0.43  |Q        |         |         |        V|
22+10       3.9672      0.51  | Q       |         |         |        V|
22+15       3.9708      0.52  | Q       |         |         |        V|
22+20       3.9739      0.45  |Q        |         |         |        V|
22+25       3.9765      0.38  |Q        |         |         |        V|
22+30       3.9789      0.36  |Q        |         |         |        V|
22+35       3.9814      0.35  |Q        |         |         |        V|
22+40       3.9838      0.35  |Q        |         |         |        V|
22+45       3.9862      0.35  |Q        |         |         |        V|
22+50       3.9887      0.35  |Q        |         |         |        V|
22+55       3.9911      0.35  |Q        |         |         |        V|
23+ 0       3.9936      0.35  |Q        |         |         |        V|
23+ 5       3.9960      0.35  |Q        |         |         |        V|
23+10       3.9984      0.35  |Q        |         |         |        V|
23+15       4.0009      0.35  |Q        |         |         |        V|
23+20       4.0033      0.35  |Q        |         |         |        V|
23+25       4.0057      0.35  |Q        |         |         |        V|
23+30       4.0082      0.35  |Q        |         |         |        V|
23+35       4.0106      0.35  |Q        |         |         |        V|
23+40       4.0130      0.35  |Q        |         |         |        V|
23+45       4.0155      0.35  |Q        |         |         |        V|
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   23+50       4.0179      0.35  |Q        |         |         |        V|
   23+55       4.0203      0.35  |Q        |         |         |        V|
   24+ 0       4.0228      0.35  |Q        |         |         |        V|
   24+ 5       4.0241      0.19  Q         |         |         |        V|
   24+10       4.0244      0.04  Q         |         |         |        V|
   24+15       4.0245      0.01  Q         |         |         |        V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/29/21 File: RVPRD1100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN D- PROPOSED UNIT HYDROGRAPH
100YR-1HR STORM

Drainage Area = 21.11(Ac.) = 0.033 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.11(Ac.) = 0.033 Sq. Mi.
Length along longest watercourse = 1478.00(Ft.)
Length along longest watercourse measured to centroid = 795.40(Ft.)
Length along longest watercourse = 0.280 Mi.
Length along longest watercourse measured to centroid = 0.151 Mi.
Difference in elevation = 55.00(Ft.)
Slope along watercourse = 196.4817 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.38 Min.
25% of lag time = 0.59 Min.
40% of lag time = 0.95 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	0.55	11.61

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	1.30	27.44

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 1.300(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 1.300(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.110	67.00	0.456

Total Area Entered = 21.11(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
     67.0  83.2      0.208     0.456        0.122       1.000      0.122
                                                        Sum (F) =   0.122
     Area averaged mean soil loss (F) (In/Hr) =  0.122
     Minimum soil loss rate ((In/Hr)) =  0.061
     (for 24 hour storm duration)
     Soil low loss rate (decimal) =   0.535
     ------------------------------------------------------------------------
     Slope of intensity-duration curve for a 1 hour storm =0.5500
     ------------------------------------------------------------------------

                 U n i t  H y d r o g r a p h
                        VALLEY S-Curve
     ------------------------------------------------------------------------
                 Unit Hydrograph Data
     ------------------------------------------------------------------------
     Unit time period   Time % of lag   Distribution   Unit Hydrograph
         (hrs)                          Graph %           (CFS)
     ------------------------------------------------------------------------
         1   0.083        210.257         45.119             9.599
         2   0.167        420.514         42.658             9.075
         3   0.250        630.771          8.392             1.785
         4   0.333        841.028          3.831             0.815
                                  Sum = 100.000   Sum=      21.275
-------------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
   1   0.08     3.30      0.515          0.122    (  0.275)        0.392
   2   0.17     4.20      0.655          0.122    (  0.351)        0.533
   3   0.25     4.40      0.686          0.122    (  0.367)        0.564
   4   0.33     4.80      0.749          0.122    (  0.401)        0.626
   5   0.42     5.20      0.811          0.122    (  0.434)        0.689
   6   0.50     6.20      0.967          0.122    (  0.518)        0.845
   7   0.58     6.80      1.061          0.122    (  0.568)        0.938
   8   0.67     8.80      1.373          0.122    (  0.735)        1.250
   9   0.75    13.90      2.168          0.122    (  1.160)        2.046
  10   0.83    31.40      4.897          0.122    (  2.621)        4.775
  11   0.92     7.20      1.123          0.122    (  0.601)        1.001
  12   1.00     3.80      0.593          0.122    (  0.317)        0.470
            (Loss Rate Not Used)
     Sum =     100.0                                  Sum =    14.1
      Flood volume = Effective rainfall      1.18(In)
       times area      21.1(Ac.)/[(In)/(Ft.)] =       2.1(Ac.Ft)
      Total soil loss =      0.12(In)
      Total soil loss =     0.215(Ac.Ft)
      Total rainfall =      1.30(In)
      Flood volume =       90223.1 Cubic Feet
      Total soil loss =        9375.9 Cubic Feet
      ------------------------------------------------------------------------
       Peak flow rate of this hydrograph =     67.433(CFS)
      ------------------------------------------------------------------------
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        1 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
      ------------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ------------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       17.5      35.0      52.5      70.0
  ------------------------------------------------------------------------
    0+ 5       0.0260      3.77  V Q       |         |         |         |
    0+10       0.0857      8.68  |V  Q     |         |         |         |
    0+15       0.1612     10.95  |  V  Q   |         |         |         |
    0+20       0.2466     12.41  |   V  Q  |         |         |         |
```

```
    0+25       0.3413     13.74  |     VQ  |         |         |         |
    0+30       0.4511     15.94  |       VQ|         |         |         |
    0+35       0.5779     18.42  |         QV        |         |         |
    0+40       0.7336     22.60  |          | Q V    |         |         |
    0+45       0.9633     33.36  |          |       VQ|         |         |
    0+50       1.4277     67.43  |          |         |      V  |       Q |
    0+55       1.8247     57.64  |          |         |         | Q  V    |
    1+ 0       1.9886     23.80  |          |  Q      |         |       V |
    1+ 5       2.0572      9.95  |    Q     |         |         |        V|
    1+10       2.0686      1.66  Q          |         |         |        V|
    1+15       2.0712      0.38  Q          |         |         |         V
---------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/08/21 File: RVPRD3100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN D- PROPOSED UNIT HYDROGRAPH
100YR-3HR STORM

Drainage Area = 21.11(Ac.) = 0.033 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.11(Ac.) = 0.033 Sq. Mi.
Length along longest watercourse = 1478.00(Ft.)
Length along longest watercourse measured to centroid = 795.40(Ft.)
Length along longest watercourse = 0.280 Mi.
Length along longest watercourse measured to centroid = 0.151 Mi.
Difference in elevation = 55.00(Ft.)
Slope along watercourse = 196.4817 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.38 Min.
25% of lag time = 0.59 Min.
40% of lag time = 0.95 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	1.10	23.22

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	2.00	42.22

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 2.000(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.110	67.00	0.456

Total Area Entered = 21.11(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-3     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
67.0  83.2      0.208     0.456        0.122       1.000      0.122
                                                   Sum (F) =   0.122
Area averaged mean soil loss (F) (In/Hr) =  0.122
Minimum soil loss rate ((In/Hr)) =  0.061
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.535
```

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	210.257	45.119	9.599
2	0.167	420.514	42.658	9.075
3	0.250	630.771	8.392	1.785
4	0.333	841.028	3.831	0.815
		Sum = 100.000	Sum=	21.275

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	1.30	0.312	0.122	(0.167)	0.190
2	0.17	1.30	0.312	0.122	(0.167)	0.190
3	0.25	1.10	0.264	0.122	(0.141)	0.142
4	0.33	1.50	0.360	0.122	(0.193)	0.238
5	0.42	1.50	0.360	0.122	(0.193)	0.238
6	0.50	1.80	0.432	0.122	(0.231)	0.310
7	0.58	1.50	0.360	0.122	(0.193)	0.238
8	0.67	1.80	0.432	0.122	(0.231)	0.310
9	0.75	1.80	0.432	0.122	(0.231)	0.310
10	0.83	1.50	0.360	0.122	(0.193)	0.238
11	0.92	1.60	0.384	0.122	(0.205)	0.262
12	1.00	1.80	0.432	0.122	(0.231)	0.310
13	1.08	2.20	0.528	0.122	(0.283)	0.406
14	1.17	2.20	0.528	0.122	(0.283)	0.406
15	1.25	2.20	0.528	0.122	(0.283)	0.406
16	1.33	2.00	0.480	0.122	(0.257)	0.358
17	1.42	2.60	0.624	0.122	(0.334)	0.502
18	1.50	2.70	0.648	0.122	(0.347)	0.526
19	1.58	2.40	0.576	0.122	(0.308)	0.454
20	1.67	2.70	0.648	0.122	(0.347)	0.526
21	1.75	3.30	0.792	0.122	(0.424)	0.670
22	1.83	3.10	0.744	0.122	(0.398)	0.622
23	1.92	2.90	0.696	0.122	(0.372)	0.574
24	2.00	3.00	0.720	0.122	(0.385)	0.598
25	2.08	3.10	0.744	0.122	(0.398)	0.622
26	2.17	4.20	1.008	0.122	(0.539)	0.886
27	2.25	5.00	1.200	0.122	(0.642)	1.078
28	2.33	3.50	0.840	0.122	(0.450)	0.718
29	2.42	6.80	1.632	0.122	(0.873)	1.509
30	2.50	7.30	1.752	0.122	(0.938)	1.629
31	2.58	8.20	1.968	0.122	(1.053)	1.845
32	2.67	5.90	1.416	0.122	(0.758)	1.294
33	2.75	2.00	0.480	0.122	(0.257)	0.358
34	2.83	1.80	0.432	0.122	(0.231)	0.310
35	2.92	1.80	0.432	0.122	(0.231)	0.310
36	3.00	0.60	0.144	(0.122)	0.077	0.067

(Loss Rate Not Used)

```
    Sum =     100.0                                    Sum =    19.6
      Flood volume = Effective rainfall      1.64(In)
       times area      21.1(Ac.)/[(In)/(Ft.)] =       2.9(Ac.Ft)
      Total soil loss =      0.36(In)
      Total soil loss =     0.639(Ac.Ft)
      Total rainfall =      2.00(In)
      Flood volume =      125406.0 Cubic Feet
      Total soil loss =       27838.4 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =     35.801(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          3 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       10.0      20.0      30.0      40.0
  ------------------------------------------------------------------------
    0+ 5       0.0125      1.82  VQ        |         |         |         |
    0+10       0.0369      3.54  V  Q      |         |         |         |
    0+15       0.0605      3.42  V  Q      |         |         |         |
    0+20       0.0885      4.06  |V  Q     |         |         |         |
    0+25       0.1219      4.85  |V  Q     |         |         |         |
    0+30       0.1609      5.67  | V  Q    |         |         |         |
    0+35       0.2002      5.71  | V  Q    |         |         |         |
    0+40       0.2407      5.88  |  V Q    |         |         |         |
    0+45       0.2852      6.46  |  V  Q   |         |         |         |
    0+50       0.3254      5.84  |   VQ    |         |         |         |
    0+55       0.3632      5.48  |    Q    |         |         |         |
    1+ 0       0.4047      6.03  |    VQ   |         |         |         |
    1+ 5       0.4554      7.37  |     VQ  |         |         |         |
    1+10       0.5129      8.34  |      VQ |         |         |         |
    1+15       0.5718      8.56  |      VQ |         |         |         |
    1+20       0.6281      8.17  |       Q |         |         |         |
    1+25       0.6909      9.12  |        Q|         |         |         |
    1+30       0.7637     10.57  |         Q         |         |         |
    1+35       0.8347     10.32  |         QV        |         |         |
    1+40       0.9072     10.51  |         Q V       |         |         |
    1+45       0.9928     12.44  |         | QV      |         |         |
    1+50       1.0848     13.36  |         |  Q V    |         |         |
    1+55       1.1728     12.78  |         | Q   V   |         |         |
    2+ 0       1.2596     12.60  |         | Q    V  |         |         |
    2+ 5       1.3487     12.93  |         | Q     V |         |         |
    2+10       1.4567     15.68  |         |    Q    V         |         |
    2+15       1.5943     19.99  |         |       Q| V       |         |
    2+20       1.7236     18.76  |         |       Q |  V      |         |
    2+25       1.8865     23.66  |         |         |  Q  V   |         |
    2+30       2.1036     31.52  |         |         |       V|Q        |
    2+35       2.3501     35.80  |         |         |         | V  Q    |
    2+40       2.5796     33.32  |         |         |         |  Q V    |
    2+45       2.7160     19.81  |         |        Q|         |      V  |
    2+50       2.7851     10.04  |         Q         |         |       V |
    2+55       2.8366      7.48  |       Q  |        |         |        V|
    3+ 0       2.8663      4.30  |   Q      |        |         |        V|
    3+ 5       2.8760      1.41  |Q         |        |         |        V|
    3+10       2.8786      0.37  Q          |        |         |        V|
    3+15       2.8789      0.05  Q          |        |         |         V
  ------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/08/21 File: RVPRD6100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN D- PROPOSED UNIT HYDROGRAPH
100YR-6HR STORM

Drainage Area = 21.11(Ac.) = 0.033 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.11(Ac.) = 0.033 Sq. Mi.
Length along longest watercourse = 1478.00(Ft.)
Length along longest watercourse measured to centroid = 795.40(Ft.)
Length along longest watercourse = 0.280 Mi.
Length along longest watercourse measured to centroid = 0.151 Mi.
Difference in elevation = 55.00(Ft.)
Slope along watercourse = 196.4817 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.38 Min.
25% of lag time = 0.59 Min.
40% of lag time = 0.95 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	1.60	33.78

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	3.00	63.33

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 3.000(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 3.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.110	67.00	0.456

Total Area Entered = 21.11(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
67.0	83.2	0.208	0.456	0.122	1.000	0.122

Sum (F) = 0.122

Area averaged mean soil loss (F) (In/Hr) = 0.122
Minimum soil loss rate ((In/Hr)) = 0.061
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.535

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

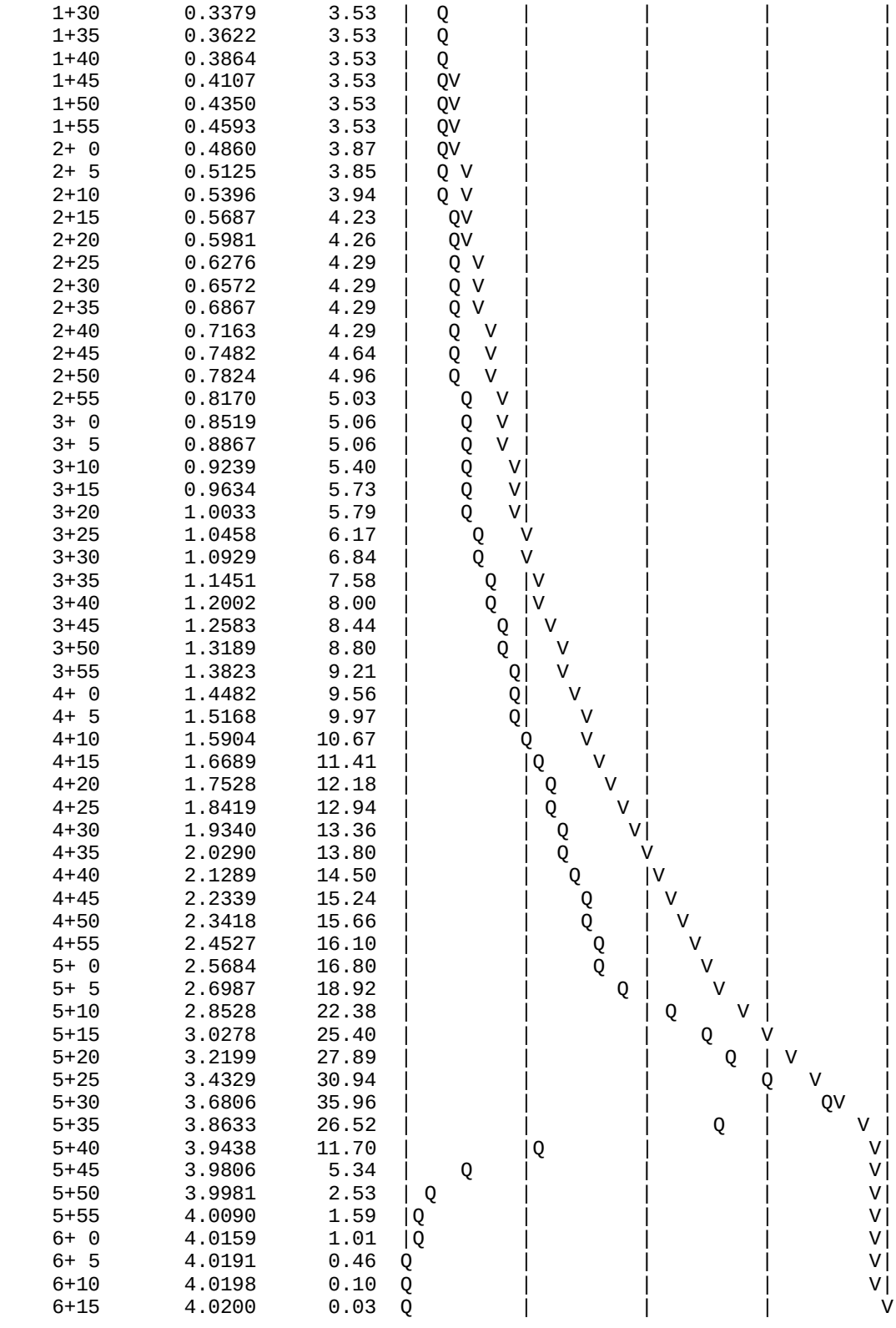
Unit time period (hrs)		Time % of lag	Distribution Graph %		Unit Hydrograph (CFS)
1	0.083	210.257	45.119		9.599
2	0.167	420.514	42.658		9.075
3	0.250	630.771	8.392		1.785
4	0.333	841.028	3.831		0.815
			Sum = 100.000	Sum=	21.275

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.50	0.180	(0.122)		0.096	0.084
2	0.17	0.60	0.216	(0.122)		0.116	0.100
3	0.25	0.60	0.216	(0.122)		0.116	0.100
4	0.33	0.60	0.216	(0.122)		0.116	0.100
5	0.42	0.60	0.216	(0.122)		0.116	0.100
6	0.50	0.70	0.252	0.122	(	0.135)	0.130
7	0.58	0.70	0.252	0.122	(	0.135)	0.130
8	0.67	0.70	0.252	0.122	(	0.135)	0.130
9	0.75	0.70	0.252	0.122	(	0.135)	0.130
10	0.83	0.70	0.252	0.122	(	0.135)	0.130
11	0.92	0.70	0.252	0.122	(	0.135)	0.130
12	1.00	0.80	0.288	0.122	(	0.154)	0.166
13	1.08	0.80	0.288	0.122	(	0.154)	0.166
14	1.17	0.80	0.288	0.122	(	0.154)	0.166
15	1.25	0.80	0.288	0.122	(	0.154)	0.166
16	1.33	0.80	0.288	0.122	(	0.154)	0.166
17	1.42	0.80	0.288	0.122	(	0.154)	0.166
18	1.50	0.80	0.288	0.122	(	0.154)	0.166
19	1.58	0.80	0.288	0.122	(	0.154)	0.166
20	1.67	0.80	0.288	0.122	(	0.154)	0.166
21	1.75	0.80	0.288	0.122	(	0.154)	0.166
22	1.83	0.80	0.288	0.122	(	0.154)	0.166
23	1.92	0.80	0.288	0.122	(	0.154)	0.166
24	2.00	0.90	0.324	0.122	(	0.173)	0.202
25	2.08	0.80	0.288	0.122	(	0.154)	0.166
26	2.17	0.90	0.324	0.122	(	0.173)	0.202
27	2.25	0.90	0.324	0.122	(	0.173)	0.202
28	2.33	0.90	0.324	0.122	(	0.173)	0.202
29	2.42	0.90	0.324	0.122	(	0.173)	0.202
30	2.50	0.90	0.324	0.122	(	0.173)	0.202
31	2.58	0.90	0.324	0.122	(	0.173)	0.202
32	2.67	0.90	0.324	0.122	(	0.173)	0.202
33	2.75	1.00	0.360	0.122	(	0.193)	0.238
34	2.83	1.00	0.360	0.122	(	0.193)	0.238
35	2.92	1.00	0.360	0.122	(	0.193)	0.238
36	3.00	1.00	0.360	0.122	(	0.193)	0.238
37	3.08	1.00	0.360	0.122	(	0.193)	0.238
38	3.17	1.10	0.396	0.122	(	0.212)	0.274
39	3.25	1.10	0.396	0.122	(	0.212)	0.274
40	3.33	1.10	0.396	0.122	(	0.212)	0.274
41	3.42	1.20	0.432	0.122	(	0.231)	0.310

```
42   3.50     1.30      0.468          0.122    (  0.250)        0.346
43   3.58     1.40      0.504          0.122    (  0.270)        0.382
44   3.67     1.40      0.504          0.122    (  0.270)        0.382
45   3.75     1.50      0.540          0.122    (  0.289)        0.418
46   3.83     1.50      0.540          0.122    (  0.289)        0.418
47   3.92     1.60      0.576          0.122    (  0.308)        0.454
48   4.00     1.60      0.576          0.122    (  0.308)        0.454
49   4.08     1.70      0.612          0.122    (  0.328)        0.490
50   4.17     1.80      0.648          0.122    (  0.347)        0.526
51   4.25     1.90      0.684          0.122    (  0.366)        0.562
52   4.33     2.00      0.720          0.122    (  0.385)        0.598
53   4.42     2.10      0.756          0.122    (  0.405)        0.634
54   4.50     2.10      0.756          0.122    (  0.405)        0.634
55   4.58     2.20      0.792          0.122    (  0.424)        0.670
56   4.67     2.30      0.828          0.122    (  0.443)        0.706
57   4.75     2.40      0.864          0.122    (  0.462)        0.742
58   4.83     2.40      0.864          0.122    (  0.462)        0.742
59   4.92     2.50      0.900          0.122    (  0.482)        0.778
60   5.00     2.60      0.936          0.122    (  0.501)        0.814
61   5.08     3.10      1.116          0.122    (  0.597)        0.994
62   5.17     3.60      1.296          0.122    (  0.694)        1.174
63   5.25     3.90      1.404          0.122    (  0.751)        1.282
64   5.33     4.20      1.512          0.122    (  0.809)        1.390
65   5.42     4.70      1.692          0.122    (  0.905)        1.570
66   5.50     5.60      2.016          0.122    (  1.079)        1.893
67   5.58     1.90      0.684          0.122    (  0.366)        0.562
68   5.67     0.90      0.324          0.122    (  0.173)        0.202
69   5.75     0.60      0.216       (  0.122)       0.116        0.100
70   5.83     0.50      0.180       (  0.122)       0.096        0.084
71   5.92     0.30      0.108       (  0.122)       0.058        0.050
72   6.00     0.20      0.072       (  0.122)       0.039        0.033
          (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    27.4
     Flood volume = Effective rainfall      2.29(In)
      times area      21.1(Ac.)/[(In)/(Ft.)] =       4.0(Ac.Ft)
     Total soil loss =      0.71(In)
     Total soil loss =     1.257(Ac.Ft)
     Total rainfall =      3.00(In)
     Flood volume =      175111.6 Cubic Feet
     Total soil loss =       54759.6 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     35.964(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       10.0      20.0      30.0      40.0
-----------------------------------------------------------------------
  0+ 5       0.0055      0.80  Q         |         |         |         |
  0+10       0.0174      1.72  VQ        |         |         |         |
  0+15       0.0314      2.03  V Q       |         |         |         |
  0+20       0.0460      2.12  V Q       |         |         |         |
  0+25       0.0607      2.14  V Q       |         |         |         |
  0+30       0.0773      2.42  V Q       |         |         |         |
  0+35       0.0958      2.68  V Q       |         |         |         |
  0+40       0.1147      2.74  |VQ       |         |         |         |
  0+45       0.1337      2.76  |VQ       |         |         |         |
  0+50       0.1527      2.76  |VQ       |         |         |         |
  0+55       0.1717      2.76  |VQ       |         |         |         |
  1+ 0       0.1931      3.10  |V Q      |         |         |         |
  1+ 5       0.2167      3.43  | VQ      |         |         |         |
  1+10       0.2408      3.50  | VQ      |         |         |         |
  1+15       0.2650      3.53  | VQ      |         |         |         |
  1+20       0.2893      3.53  | VQ      |         |         |         |
  1+25       0.3136      3.53  |  Q      |         |         |         |
```



1+30	0.3379	3.53	Q					
1+35	0.3622	3.53	Q					
1+40	0.3864	3.53	Q					
1+45	0.4107	3.53	QV					
1+50	0.4350	3.53	QV					
1+55	0.4593	3.53	QV					
2+ 0	0.4860	3.87	QV					
2+ 5	0.5125	3.85	Q V					
2+10	0.5396	3.94	Q V					
2+15	0.5687	4.23	QV					
2+20	0.5981	4.26	QV					
2+25	0.6276	4.29	Q V					
2+30	0.6572	4.29	Q V					
2+35	0.6867	4.29	Q V					
2+40	0.7163	4.29	Q V					
2+45	0.7482	4.64	Q V					
2+50	0.7824	4.96	Q V					
2+55	0.8170	5.03	Q V					
3+ 0	0.8519	5.06	Q V					
3+ 5	0.8867	5.06	Q V					
3+10	0.9239	5.40	Q V					
3+15	0.9634	5.73	Q V					
3+20	1.0033	5.79	Q V					
3+25	1.0458	6.17	Q V					
3+30	1.0929	6.84	Q V					
3+35	1.1451	7.58	Q V					
3+40	1.2002	8.00	Q V					
3+45	1.2583	8.44	Q V					
3+50	1.3189	8.80	Q V					
3+55	1.3823	9.21	Q V					
4+ 0	1.4482	9.56	Q V					
4+ 5	1.5168	9.97	Q V					
4+10	1.5904	10.67	Q V					
4+15	1.6689	11.41	Q V					
4+20	1.7528	12.18	Q V					
4+25	1.8419	12.94	Q V					
4+30	1.9340	13.36	Q V					
4+35	2.0290	13.80	Q V					
4+40	2.1289	14.50	Q V					
4+45	2.2339	15.24	Q V					
4+50	2.3418	15.66	Q V					
4+55	2.4527	16.10	Q V					
5+ 0	2.5684	16.80	Q V					
5+ 5	2.6987	18.92	Q V					
5+10	2.8528	22.38	Q V					
5+15	3.0278	25.40	Q V					
5+20	3.2199	27.89	Q V					
5+25	3.4329	30.94	Q V					
5+30	3.6806	35.96	Q V					
5+35	3.8633	26.52	Q V					
5+40	3.9438	11.70	Q V					
5+45	3.9806	5.34	Q V					
5+50	3.9981	2.53	Q V					
5+55	4.0090	1.59	Q V					
6+ 0	4.0159	1.01	Q V					
6+ 5	4.0191	0.46	Q V					
6+10	4.0198	0.10	Q V					
6+15	4.0200	0.03	Q V					

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/08/21 File: RVPRD24100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

RIO VISTA DEVELOPMENT
BASIN D- PROPOSED UNIT HYDROGRAPH
100YR-24HR STORM

Drainage Area = 21.11(Ac.) = 0.033 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.11(Ac.) = 0.033 Sq. Mi.
Length along longest watercourse = 1478.00(Ft.)
Length along longest watercourse measured to centroid = 795.40(Ft.)
Length along longest watercourse = 0.280 Mi.
Length along longest watercourse measured to centroid = 0.151 Mi.
Difference in elevation = 55.00(Ft.)
Slope along watercourse = 196.4817 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.040 Hr.
Lag time = 2.38 Min.
25% of lag time = 0.59 Min.
40% of lag time = 0.95 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	2.70	57.00

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	7.00	147.77

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 7.000(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 7.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.110	67.00	0.456

Total Area Entered = 21.11(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
67.0	83.2	0.208	0.456	0.122	1.000	0.122

Sum (F) = 0.122

Area averaged mean soil loss (F) (In/Hr) = 0.122
Minimum soil loss rate ((In/Hr)) = 0.061
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.535

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %		Unit Hydrograph (CFS)
1	0.083	210.257	45.119		9.599
2	0.167	420.514	42.658		9.075
3	0.250	630.771	8.392		1.785
4	0.333	841.028	3.831		0.815
			Sum = 100.000	Sum=	21.275

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.07	0.056	(0.217)		0.030	0.026
2	0.17	0.07	0.056	(0.216)		0.030	0.026
3	0.25	0.07	0.056	(0.215)		0.030	0.026
4	0.33	0.10	0.084	(0.214)		0.045	0.039
5	0.42	0.10	0.084	(0.214)		0.045	0.039
6	0.50	0.10	0.084	(0.213)		0.045	0.039
7	0.58	0.10	0.084	(0.212)		0.045	0.039
8	0.67	0.10	0.084	(0.211)		0.045	0.039
9	0.75	0.10	0.084	(0.210)		0.045	0.039
10	0.83	0.13	0.112	(0.209)		0.060	0.052
11	0.92	0.13	0.112	(0.209)		0.060	0.052
12	1.00	0.13	0.112	(0.208)		0.060	0.052
13	1.08	0.10	0.084	(0.207)		0.045	0.039
14	1.17	0.10	0.084	(0.206)		0.045	0.039
15	1.25	0.10	0.084	(0.205)		0.045	0.039
16	1.33	0.10	0.084	(0.204)		0.045	0.039
17	1.42	0.10	0.084	(0.204)		0.045	0.039
18	1.50	0.10	0.084	(0.203)		0.045	0.039
19	1.58	0.10	0.084	(0.202)		0.045	0.039
20	1.67	0.10	0.084	(0.201)		0.045	0.039
21	1.75	0.10	0.084	(0.200)		0.045	0.039
22	1.83	0.13	0.112	(0.200)		0.060	0.052
23	1.92	0.13	0.112	(0.199)		0.060	0.052
24	2.00	0.13	0.112	(0.198)		0.060	0.052
25	2.08	0.13	0.112	(0.197)		0.060	0.052
26	2.17	0.13	0.112	(0.196)		0.060	0.052
27	2.25	0.13	0.112	(0.196)		0.060	0.052
28	2.33	0.13	0.112	(0.195)		0.060	0.052
29	2.42	0.13	0.112	(0.194)		0.060	0.052
30	2.50	0.13	0.112	(0.193)		0.060	0.052
31	2.58	0.17	0.140	(0.192)		0.075	0.065
32	2.67	0.17	0.140	(0.192)		0.075	0.065
33	2.75	0.17	0.140	(0.191)		0.075	0.065
34	2.83	0.17	0.140	(0.190)		0.075	0.065
35	2.92	0.17	0.140	(0.189)		0.075	0.065
36	3.00	0.17	0.140	(0.189)		0.075	0.065
37	3.08	0.17	0.140	(0.188)		0.075	0.065
38	3.17	0.17	0.140	(0.187)		0.075	0.065
39	3.25	0.17	0.140	(0.186)		0.075	0.065
40	3.33	0.17	0.140	(0.185)		0.075	0.065
41	3.42	0.17	0.140	(0.185)		0.075	0.065

42	3.50	0.17	0.140	(0.184)	0.075	0.065
43	3.58	0.17	0.140	(0.183)	0.075	0.065
44	3.67	0.17	0.140	(0.182)	0.075	0.065
45	3.75	0.17	0.140	(0.182)	0.075	0.065
46	3.83	0.20	0.168	(0.181)	0.090	0.078
47	3.92	0.20	0.168	(0.180)	0.090	0.078
48	4.00	0.20	0.168	(0.179)	0.090	0.078
49	4.08	0.20	0.168	(0.179)	0.090	0.078
50	4.17	0.20	0.168	(0.178)	0.090	0.078
51	4.25	0.20	0.168	(0.177)	0.090	0.078
52	4.33	0.23	0.196	(0.176)	0.105	0.091
53	4.42	0.23	0.196	(0.175)	0.105	0.091
54	4.50	0.23	0.196	(0.175)	0.105	0.091
55	4.58	0.23	0.196	(0.174)	0.105	0.091
56	4.67	0.23	0.196	(0.173)	0.105	0.091
57	4.75	0.23	0.196	(0.172)	0.105	0.091
58	4.83	0.27	0.224	(0.172)	0.120	0.104
59	4.92	0.27	0.224	(0.171)	0.120	0.104
60	5.00	0.27	0.224	(0.170)	0.120	0.104
61	5.08	0.20	0.168	(0.170)	0.090	0.078
62	5.17	0.20	0.168	(0.169)	0.090	0.078
63	5.25	0.20	0.168	(0.168)	0.090	0.078
64	5.33	0.23	0.196	(0.167)	0.105	0.091
65	5.42	0.23	0.196	(0.167)	0.105	0.091
66	5.50	0.23	0.196	(0.166)	0.105	0.091
67	5.58	0.27	0.224	(0.165)	0.120	0.104
68	5.67	0.27	0.224	(0.164)	0.120	0.104
69	5.75	0.27	0.224	(0.164)	0.120	0.104
70	5.83	0.27	0.224	(0.163)	0.120	0.104
71	5.92	0.27	0.224	(0.162)	0.120	0.104
72	6.00	0.27	0.224	(0.162)	0.120	0.104
73	6.08	0.30	0.252	(0.161)	0.135	0.117
74	6.17	0.30	0.252	(0.160)	0.135	0.117
75	6.25	0.30	0.252	(0.159)	0.135	0.117
76	6.33	0.30	0.252	(0.159)	0.135	0.117
77	6.42	0.30	0.252	(0.158)	0.135	0.117
78	6.50	0.30	0.252	(0.157)	0.135	0.117
79	6.58	0.33	0.280	(0.157)	0.150	0.130
80	6.67	0.33	0.280	(0.156)	0.150	0.130
81	6.75	0.33	0.280	(0.155)	0.150	0.130
82	6.83	0.33	0.280	(0.154)	0.150	0.130
83	6.92	0.33	0.280	(0.154)	0.150	0.130
84	7.00	0.33	0.280	(0.153)	0.150	0.130
85	7.08	0.33	0.280	(0.152)	0.150	0.130
86	7.17	0.33	0.280	(0.152)	0.150	0.130
87	7.25	0.33	0.280	(0.151)	0.150	0.130
88	7.33	0.37	0.308	0.150	(0.165)	0.158
89	7.42	0.37	0.308	0.150	(0.165)	0.158
90	7.50	0.37	0.308	0.149	(0.165)	0.159
91	7.58	0.40	0.336	0.148	(0.180)	0.188
92	7.67	0.40	0.336	0.148	(0.180)	0.188
93	7.75	0.40	0.336	0.147	(0.180)	0.189
94	7.83	0.43	0.364	0.146	(0.195)	0.218
95	7.92	0.43	0.364	0.145	(0.195)	0.219
96	8.00	0.43	0.364	0.145	(0.195)	0.219
97	8.08	0.50	0.420	0.144	(0.225)	0.276
98	8.17	0.50	0.420	0.143	(0.225)	0.277
99	8.25	0.50	0.420	0.143	(0.225)	0.277
100	8.33	0.50	0.420	0.142	(0.225)	0.278
101	8.42	0.50	0.420	0.141	(0.225)	0.279
102	8.50	0.50	0.420	0.141	(0.225)	0.279
103	8.58	0.53	0.448	0.140	(0.240)	0.308
104	8.67	0.53	0.448	0.139	(0.240)	0.309
105	8.75	0.53	0.448	0.139	(0.240)	0.309
106	8.83	0.57	0.476	0.138	(0.255)	0.338
107	8.92	0.57	0.476	0.138	(0.255)	0.338
108	9.00	0.57	0.476	0.137	(0.255)	0.339
109	9.08	0.63	0.532	0.136	(0.285)	0.396
110	9.17	0.63	0.532	0.136	(0.285)	0.396

111	9.25	0.63	0.532	0.135	(	0.285)	0.397
112	9.33	0.67	0.560	0.134	(	0.300)	0.426
113	9.42	0.67	0.560	0.134	(	0.300)	0.426
114	9.50	0.67	0.560	0.133	(	0.300)	0.427
115	9.58	0.70	0.588	0.132	(	0.315)	0.456
116	9.67	0.70	0.588	0.132	(	0.315)	0.456
117	9.75	0.70	0.588	0.131	(	0.315)	0.457
118	9.83	0.73	0.616	0.130	(	0.330)	0.486
119	9.92	0.73	0.616	0.130	(	0.330)	0.486
120	10.00	0.73	0.616	0.129	(	0.330)	0.487
121	10.08	0.50	0.420	0.129	(	0.225)	0.291
122	10.17	0.50	0.420	0.128	(	0.225)	0.292
123	10.25	0.50	0.420	0.127	(	0.225)	0.293
124	10.33	0.50	0.420	0.127	(	0.225)	0.293
125	10.42	0.50	0.420	0.126	(	0.225)	0.294
126	10.50	0.50	0.420	0.125	(	0.225)	0.294
127	10.58	0.67	0.560	0.125	(	0.300)	0.435
128	10.67	0.67	0.560	0.124	(	0.300)	0.436
129	10.75	0.67	0.560	0.124	(	0.300)	0.436
130	10.83	0.67	0.560	0.123	(	0.300)	0.437
131	10.92	0.67	0.560	0.122	(	0.300)	0.438
132	11.00	0.67	0.560	0.122	(	0.300)	0.438
133	11.08	0.63	0.532	0.121	(	0.285)	0.411
134	11.17	0.63	0.532	0.121	(	0.285)	0.411
135	11.25	0.63	0.532	0.120	(	0.285)	0.412
136	11.33	0.63	0.532	0.119	(	0.285)	0.413
137	11.42	0.63	0.532	0.119	(	0.285)	0.413
138	11.50	0.63	0.532	0.118	(	0.285)	0.414
139	11.58	0.57	0.476	0.118	(	0.255)	0.358
140	11.67	0.57	0.476	0.117	(	0.255)	0.359
141	11.75	0.57	0.476	0.117	(	0.255)	0.359
142	11.83	0.60	0.504	0.116	(	0.270)	0.388
143	11.92	0.60	0.504	0.115	(	0.270)	0.389
144	12.00	0.60	0.504	0.115	(	0.270)	0.389
145	12.08	0.83	0.700	0.114	(	0.375)	0.586
146	12.17	0.83	0.700	0.114	(	0.375)	0.586
147	12.25	0.83	0.700	0.113	(	0.375)	0.587
148	12.33	0.87	0.728	0.113	(	0.390)	0.615
149	12.42	0.87	0.728	0.112	(	0.390)	0.616
150	12.50	0.87	0.728	0.111	(	0.390)	0.617
151	12.58	0.93	0.784	0.111	(	0.420)	0.673
152	12.67	0.93	0.784	0.110	(	0.420)	0.674
153	12.75	0.93	0.784	0.110	(	0.420)	0.674
154	12.83	0.97	0.812	0.109	(	0.435)	0.703
155	12.92	0.97	0.812	0.109	(	0.435)	0.703
156	13.00	0.97	0.812	0.108	(	0.435)	0.704
157	13.08	1.13	0.952	0.108	(	0.509)	0.844
158	13.17	1.13	0.952	0.107	(	0.509)	0.845
159	13.25	1.13	0.952	0.106	(	0.509)	0.846
160	13.33	1.13	0.952	0.106	(	0.509)	0.846
161	13.42	1.13	0.952	0.105	(	0.509)	0.847
162	13.50	1.13	0.952	0.105	(	0.509)	0.847
163	13.58	0.77	0.644	0.104	(	0.345)	0.540
164	13.67	0.77	0.644	0.104	(	0.345)	0.540
165	13.75	0.77	0.644	0.103	(	0.345)	0.541
166	13.83	0.77	0.644	0.103	(	0.345)	0.541
167	13.92	0.77	0.644	0.102	(	0.345)	0.542
168	14.00	0.77	0.644	0.102	(	0.345)	0.542
169	14.08	0.90	0.756	0.101	(	0.405)	0.655
170	14.17	0.90	0.756	0.101	(	0.405)	0.655
171	14.25	0.90	0.756	0.100	(	0.405)	0.656
172	14.33	0.87	0.728	0.100	(	0.390)	0.628
173	14.42	0.87	0.728	0.099	(	0.390)	0.629
174	14.50	0.87	0.728	0.099	(	0.390)	0.629
175	14.58	0.87	0.728	0.098	(	0.390)	0.630
176	14.67	0.87	0.728	0.098	(	0.390)	0.630
177	14.75	0.87	0.728	0.097	(	0.390)	0.631
178	14.83	0.83	0.700	0.097	(	0.375)	0.603
179	14.92	0.83	0.700	0.096	(	0.375)	0.604

180	15.00	0.83	0.700	0.096	(0.375)	0.604
181	15.08	0.80	0.672	0.095	(0.360)	0.577
182	15.17	0.80	0.672	0.095	(0.360)	0.577
183	15.25	0.80	0.672	0.094	(0.360)	0.578
184	15.33	0.77	0.644	0.094	(0.345)	0.550
185	15.42	0.77	0.644	0.093	(0.345)	0.551
186	15.50	0.77	0.644	0.093	(0.345)	0.551
187	15.58	0.63	0.532	0.092	(0.285)	0.440
188	15.67	0.63	0.532	0.092	(0.285)	0.440
189	15.75	0.63	0.532	0.091	(0.285)	0.441
190	15.83	0.63	0.532	0.091	(0.285)	0.441
191	15.92	0.63	0.532	0.090	(0.285)	0.442
192	16.00	0.63	0.532	0.090	(0.285)	0.442
193	16.08	0.13	0.112	(0.089)	0.060	0.052
194	16.17	0.13	0.112	(0.089)	0.060	0.052
195	16.25	0.13	0.112	(0.088)	0.060	0.052
196	16.33	0.13	0.112	(0.088)	0.060	0.052
197	16.42	0.13	0.112	(0.088)	0.060	0.052
198	16.50	0.13	0.112	(0.087)	0.060	0.052
199	16.58	0.10	0.084	(0.087)	0.045	0.039
200	16.67	0.10	0.084	(0.086)	0.045	0.039
201	16.75	0.10	0.084	(0.086)	0.045	0.039
202	16.83	0.10	0.084	(0.085)	0.045	0.039
203	16.92	0.10	0.084	(0.085)	0.045	0.039
204	17.00	0.10	0.084	(0.085)	0.045	0.039
205	17.08	0.17	0.140	(0.084)	0.075	0.065
206	17.17	0.17	0.140	(0.084)	0.075	0.065
207	17.25	0.17	0.140	(0.083)	0.075	0.065
208	17.33	0.17	0.140	(0.083)	0.075	0.065
209	17.42	0.17	0.140	(0.082)	0.075	0.065
210	17.50	0.17	0.140	(0.082)	0.075	0.065
211	17.58	0.17	0.140	(0.082)	0.075	0.065
212	17.67	0.17	0.140	(0.081)	0.075	0.065
213	17.75	0.17	0.140	(0.081)	0.075	0.065
214	17.83	0.13	0.112	(0.080)	0.060	0.052
215	17.92	0.13	0.112	(0.080)	0.060	0.052
216	18.00	0.13	0.112	(0.080)	0.060	0.052
217	18.08	0.13	0.112	(0.079)	0.060	0.052
218	18.17	0.13	0.112	(0.079)	0.060	0.052
219	18.25	0.13	0.112	(0.078)	0.060	0.052
220	18.33	0.13	0.112	(0.078)	0.060	0.052
221	18.42	0.13	0.112	(0.078)	0.060	0.052
222	18.50	0.13	0.112	(0.077)	0.060	0.052
223	18.58	0.10	0.084	(0.077)	0.045	0.039
224	18.67	0.10	0.084	(0.077)	0.045	0.039
225	18.75	0.10	0.084	(0.076)	0.045	0.039
226	18.83	0.07	0.056	(0.076)	0.030	0.026
227	18.92	0.07	0.056	(0.075)	0.030	0.026
228	19.00	0.07	0.056	(0.075)	0.030	0.026
229	19.08	0.10	0.084	(0.075)	0.045	0.039
230	19.17	0.10	0.084	(0.074)	0.045	0.039
231	19.25	0.10	0.084	(0.074)	0.045	0.039
232	19.33	0.13	0.112	(0.074)	0.060	0.052
233	19.42	0.13	0.112	(0.073)	0.060	0.052
234	19.50	0.13	0.112	(0.073)	0.060	0.052
235	19.58	0.10	0.084	(0.073)	0.045	0.039
236	19.67	0.10	0.084	(0.072)	0.045	0.039
237	19.75	0.10	0.084	(0.072)	0.045	0.039
238	19.83	0.07	0.056	(0.072)	0.030	0.026
239	19.92	0.07	0.056	(0.071)	0.030	0.026
240	20.00	0.07	0.056	(0.071)	0.030	0.026
241	20.08	0.10	0.084	(0.071)	0.045	0.039
242	20.17	0.10	0.084	(0.070)	0.045	0.039
243	20.25	0.10	0.084	(0.070)	0.045	0.039
244	20.33	0.10	0.084	(0.070)	0.045	0.039
245	20.42	0.10	0.084	(0.070)	0.045	0.039
246	20.50	0.10	0.084	(0.069)	0.045	0.039
247	20.58	0.10	0.084	(0.069)	0.045	0.039
248	20.67	0.10	0.084	(0.069)	0.045	0.039

249	20.75	0.10	0.084	(0.068)	0.045	0.039
250	20.83	0.07	0.056	(0.068)	0.030	0.026
251	20.92	0.07	0.056	(0.068)	0.030	0.026
252	21.00	0.07	0.056	(0.068)	0.030	0.026
253	21.08	0.10	0.084	(0.067)	0.045	0.039
254	21.17	0.10	0.084	(0.067)	0.045	0.039
255	21.25	0.10	0.084	(0.067)	0.045	0.039
256	21.33	0.07	0.056	(0.066)	0.030	0.026
257	21.42	0.07	0.056	(0.066)	0.030	0.026
258	21.50	0.07	0.056	(0.066)	0.030	0.026
259	21.58	0.10	0.084	(0.066)	0.045	0.039
260	21.67	0.10	0.084	(0.066)	0.045	0.039
261	21.75	0.10	0.084	(0.065)	0.045	0.039
262	21.83	0.07	0.056	(0.065)	0.030	0.026
263	21.92	0.07	0.056	(0.065)	0.030	0.026
264	22.00	0.07	0.056	(0.065)	0.030	0.026
265	22.08	0.10	0.084	(0.064)	0.045	0.039
266	22.17	0.10	0.084	(0.064)	0.045	0.039
267	22.25	0.10	0.084	(0.064)	0.045	0.039
268	22.33	0.07	0.056	(0.064)	0.030	0.026
269	22.42	0.07	0.056	(0.064)	0.030	0.026
270	22.50	0.07	0.056	(0.063)	0.030	0.026
271	22.58	0.07	0.056	(0.063)	0.030	0.026
272	22.67	0.07	0.056	(0.063)	0.030	0.026
273	22.75	0.07	0.056	(0.063)	0.030	0.026
274	22.83	0.07	0.056	(0.063)	0.030	0.026
275	22.92	0.07	0.056	(0.063)	0.030	0.026
276	23.00	0.07	0.056	(0.062)	0.030	0.026
277	23.08	0.07	0.056	(0.062)	0.030	0.026
278	23.17	0.07	0.056	(0.062)	0.030	0.026
279	23.25	0.07	0.056	(0.062)	0.030	0.026
280	23.33	0.07	0.056	(0.062)	0.030	0.026
281	23.42	0.07	0.056	(0.062)	0.030	0.026
282	23.50	0.07	0.056	(0.062)	0.030	0.026
283	23.58	0.07	0.056	(0.062)	0.030	0.026
284	23.67	0.07	0.056	(0.061)	0.030	0.026
285	23.75	0.07	0.056	(0.061)	0.030	0.026
286	23.83	0.07	0.056	(0.061)	0.030	0.026
287	23.92	0.07	0.056	(0.061)	0.030	0.026
288	24.00	0.07	0.056	(0.061)	0.030	0.026

(Loss Rate Not Used)

Sum = 100.0 Sum = 59.7

Flood volume = Effective rainfall 4.97(In)
times area 21.1(Ac.)/[(In)/(Ft.)] = 8.7(Ac.Ft)
Total soil loss = 2.03(In)
Total soil loss = 3.564(Ac.Ft)
Total rainfall = 7.00(In)
Flood volume = 381119.8 Cubic Feet
Total soil loss = 155263.2 Cubic Feet

Peak flow rate of this hydrograph = 18.025(CFS)

++

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0017	0.25	Q	|	|	|	|
0+10	0.0051	0.49	Q	|	|	|	|
0+15	0.0087	0.53	VQ	|	|	|	|
0+20	0.0134	0.68	VQ	|	|	|	|
0+25	0.0189	0.80	VQ	|	|	|	|
0+30	0.0246	0.82	VQ	|	|	|	|
0+35	0.0303	0.83	VQ	|	|	|	|
0+40	0.0360	0.83	VQ	|	|	|	|

```
0+45       0.0417      0.83  VQ       |          |          |          |
0+50       0.0483      0.96  VQ       |          |          |          |
0+55       0.0557      1.07  V Q      |          |          |          |
1+ 0       0.0633      1.10  V Q      |          |          |          |
1+ 5       0.0700      0.98  VQ       |          |          |          |
1+10       0.0760      0.86  VQ       |          |          |          |
1+15       0.0818      0.84  VQ       |          |          |          |
1+20       0.0875      0.83  VQ       |          |          |          |
1+25       0.0932      0.83  VQ       |          |          |          |
1+30       0.0990      0.83  VQ       |          |          |          |
1+35       0.1047      0.83  VQ       |          |          |          |
1+40       0.1104      0.83  VQ       |          |          |          |
1+45       0.1161      0.83  VQ       |          |          |          |
1+50       0.1227      0.96  VQ       |          |          |          |
1+55       0.1301      1.07  V Q      |          |          |          |
2+ 0       0.1377      1.10  V Q      |          |          |          |
2+ 5       0.1453      1.11  V Q      |          |          |          |
2+10       0.1529      1.11  V Q      |          |          |          |
2+15       0.1606      1.11  V Q      |          |          |          |
2+20       0.1682      1.11  V Q      |          |          |          |
2+25       0.1758      1.11  V Q      |          |          |          |
2+30       0.1835      1.11  V Q      |          |          |          |
2+35       0.1920      1.23  V Q      |          |          |          |
2+40       0.2013      1.35  V Q      |          |          |          |
2+45       0.2107      1.37  V Q      |          |          |          |
2+50       0.2203      1.39  |VQ      |          |          |          |
2+55       0.2298      1.39  |VQ      |          |          |          |
3+ 0       0.2393      1.39  |VQ      |          |          |          |
3+ 5       0.2489      1.39  |VQ      |          |          |          |
3+10       0.2584      1.39  |VQ      |          |          |          |
3+15       0.2680      1.39  |VQ      |          |          |          |
3+20       0.2775      1.39  |VQ      |          |          |          |
3+25       0.2870      1.39  |VQ      |          |          |          |
3+30       0.2966      1.39  |VQ      |          |          |          |
3+35       0.3061      1.39  |VQ      |          |          |          |
3+40       0.3157      1.39  |VQ      |          |          |          |
3+45       0.3252      1.39  |VQ      |          |          |          |
3+50       0.3356      1.51  |V Q     |          |          |          |
3+55       0.3468      1.63  |V Q     |          |          |          |
4+ 0       0.3582      1.65  |V Q     |          |          |          |
4+ 5       0.3696      1.66  |V Q     |          |          |          |
4+10       0.3811      1.66  |V Q     |          |          |          |
4+15       0.3925      1.66  |V Q     |          |          |          |
4+20       0.4048      1.79  |V Q     |          |          |          |
4+25       0.4179      1.91  |V Q     |          |          |          |
4+30       0.4312      1.93  |V Q     |          |          |          |
4+35       0.4446      1.94  | VQ     |          |          |          |
4+40       0.4579      1.94  | VQ     |          |          |          |
4+45       0.4713      1.94  | VQ     |          |          |          |
4+50       0.4855      2.06  | V Q    |          |          |          |
4+55       0.5005      2.18  | V Q    |          |          |          |
5+ 0       0.5157      2.21  | V Q    |          |          |          |
5+ 5       0.5293      1.97  | VQ     |          |          |          |
5+10       0.5412      1.73  | VQ     |          |          |          |
5+15       0.5528      1.68  | VQ     |          |          |          |
5+20       0.5651      1.79  | VQ     |          |          |          |
5+25       0.5782      1.91  | VQ     |          |          |          |
5+30       0.5915      1.93  | VQ     |          |          |          |
5+35       0.6057      2.06  | V Q    |          |          |          |
5+40       0.6207      2.18  | V Q    |          |          |          |
5+45       0.6359      2.21  | V Q    |          |          |          |
5+50       0.6512      2.22  | V Q    |          |          |          |
5+55       0.6664      2.22  |  VQ    |          |          |          |
6+ 0       0.6817      2.22  |  VQ    |          |          |          |
6+ 5       0.6978      2.34  |  VQ    |          |          |          |
6+10       0.7148      2.46  |  VQ    |          |          |          |
6+15       0.7319      2.48  |  VQ    |          |          |          |
6+20       0.7490      2.49  |  VQ    |          |          |          |
6+25       0.7662      2.49  |  VQ    |          |          |          |
```

6+30	0.7834	2.49	VQ				
6+35	0.8014	2.62	V Q				
6+40	0.8202	2.74	V Q				
6+45	0.8393	2.76	V Q				
6+50	0.8583	2.77	V Q				
6+55	0.8774	2.77	VQ				
7+ 0	0.8965	2.77	VQ				
7+ 5	0.9156	2.77	VQ				
7+10	0.9346	2.77	VQ				
7+15	0.9537	2.77	VQ				
7+20	0.9746	3.04	V Q				
7+25	0.9973	3.29	V Q				
7+30	1.0204	3.35	V Q				
7+35	1.0456	3.66	V Q				
7+40	1.0727	3.93	V Q				
7+45	1.1002	3.99	V Q				
7+50	1.1298	4.30	V Q				
7+55	1.1612	4.57	V Q				
8+ 0	1.1931	4.63	V Q				
8+ 5	1.2290	5.21	V Q				
8+10	1.2685	5.73	V Q				
8+15	1.3087	5.84	V Q				
8+20	1.3494	5.90	V Q				
8+25	1.3901	5.92	V Q				
8+30	1.4310	5.93	V Q				
8+35	1.4738	6.22	V Q				
8+40	1.5185	6.48	V Q				
8+45	1.5636	6.55	V Q				
8+50	1.6108	6.85	V Q				
8+55	1.6598	7.12	V Q				
9+ 0	1.7093	7.19	V Q				
9+ 5	1.7628	7.76	V Q				
9+10	1.8198	8.28	V Q				
9+15	1.8776	8.40	V Q				
9+20	1.9377	8.72	V Q				
9+25	1.9996	8.99	V Q				
9+30	2.0620	9.06	V Q				
9+35	2.1265	9.36	V Q				
9+40	2.1928	9.63	V Q				
9+45	2.2596	9.69	V Q				
9+50	2.3284	10.00	V Q				
9+55	2.3991	10.27	V Q				
10+ 0	2.4703	10.33	V Q				
10+ 5	2.5287	8.48	V Q				
10+10	2.5749	6.72	V Q				
10+15	2.6189	6.38	VQ				
10+20	2.6618	6.23	Q				
10+25	2.7048	6.25	Q				
10+30	2.7479	6.26	Q				
10+35	2.8004	7.62	V Q				
10+40	2.8617	8.90	V Q				
10+45	2.9248	9.16	V Q				
10+50	2.9888	9.29	V Q				
10+55	3.0529	9.30	V Q				
11+ 0	3.1170	9.32	V Q				
11+ 5	3.1794	9.06	V Q				
11+10	3.2402	8.82	V Q				
11+15	3.3007	8.78	V Q				
11+20	3.3611	8.77	V Q				
11+25	3.4216	8.78	V Q				
11+30	3.4821	8.80	V Q				
11+35	3.5391	8.27	Q				
11+40	3.5927	7.78	QV				
11+45	3.6456	7.69	QV				
11+50	3.7002	7.92	QV				
11+55	3.7566	8.19	QV				
12+ 0	3.8134	8.25	QV				
12+ 5	3.8835	10.17	V Q				
12+10	3.9659	11.96	V	Q			

| | | |

18+ 0	8.3833	1.12	| Q	|	|	|	V |
18+ 5	8.3910	1.11	| Q	|	|	|	V |
18+10	8.3986	1.11	| Q	|	|	|	V |
18+15	8.4062	1.11	| Q	|	|	|	V |
18+20	8.4138	1.11	| Q	|	|	|	V |
18+25	8.4215	1.11	| Q	|	|	|	V |
18+30	8.4291	1.11	| Q	|	|	|	V |
18+35	8.4359	0.98	|Q	|	|	|	V |
18+40	8.4418	0.86	|Q	|	|	|	V |
18+45	8.4476	0.84	|Q	|	|	|	V |
18+50	8.4525	0.71	|Q	|	|	|	V |
18+55	8.4565	0.59	|Q	|	|	|	V |
19+ 0	8.4604	0.56	|Q	|	|	|	V |
19+ 5	8.4651	0.68	|Q	|	|	|	V |
19+10	8.4706	0.80	|Q	|	|	|	V |
19+15	8.4762	0.82	|Q	|	|	|	V |
19+20	8.4828	0.96	|Q	|	|	|	V |
19+25	8.4902	1.07	| Q	|	|	|	V |
19+30	8.4978	1.10	| Q	|	|	|	V |
19+35	8.5046	0.98	|Q	|	|	|	V |
19+40	8.5105	0.86	|Q	|	|	|	V |
19+45	8.5163	0.84	|Q	|	|	|	V |
19+50	8.5212	0.71	|Q	|	|	|	V |
19+55	8.5252	0.59	|Q	|	|	|	V |
20+ 0	8.5291	0.56	|Q	|	|	|	V |
20+ 5	8.5338	0.68	|Q	|	|	|	V|
20+10	8.5393	0.80	|Q	|	|	|	V|
20+15	8.5449	0.82	|Q	|	|	|	V|
20+20	8.5507	0.83	|Q	|	|	|	V|
20+25	8.5564	0.83	|Q	|	|	|	V|
20+30	8.5621	0.83	|Q	|	|	|	V|
20+35	8.5678	0.83	|Q	|	|	|	V|
20+40	8.5735	0.83	|Q	|	|	|	V|
20+45	8.5793	0.83	|Q	|	|	|	V|
20+50	8.5841	0.71	|Q	|	|	|	V|
20+55	8.5882	0.59	|Q	|	|	|	V|
21+ 0	8.5921	0.56	|Q	|	|	|	V|
21+ 5	8.5967	0.68	|Q	|	|	|	V|
21+10	8.6022	0.80	|Q	|	|	|	V|
21+15	8.6079	0.82	|Q	|	|	|	V|
21+20	8.6127	0.71	|Q	|	|	|	V|
21+25	8.6168	0.59	|Q	|	|	|	V|
21+30	8.6207	0.56	|Q	|	|	|	V|
21+35	8.6254	0.68	|Q	|	|	|	V|
21+40	8.6309	0.80	|Q	|	|	|	V|
21+45	8.6365	0.82	|Q	|	|	|	V|
21+50	8.6414	0.71	|Q	|	|	|	V|
21+55	8.6454	0.59	|Q	|	|	|	V|
22+ 0	8.6493	0.56	|Q	|	|	|	V|
22+ 5	8.6540	0.68	|Q	|	|	|	V|
22+10	8.6595	0.80	|Q	|	|	|	V|
22+15	8.6651	0.82	|Q	|	|	|	V|
22+20	8.6700	0.71	|Q	|	|	|	V|
22+25	8.6740	0.59	|Q	|	|	|	V|
22+30	8.6779	0.56	|Q	|	|	|	V|
22+35	8.6817	0.55	|Q	|	|	|	V|
22+40	8.6856	0.55	|Q	|	|	|	V|
22+45	8.6894	0.55	|Q	|	|	|	V|
22+50	8.6932	0.55	|Q	|	|	|	V|
22+55	8.6970	0.55	|Q	|	|	|	V|
23+ 0	8.7008	0.55	|Q	|	|	|	V|
23+ 5	8.7046	0.55	|Q	|	|	|	V|
23+10	8.7084	0.55	|Q	|	|	|	V|
23+15	8.7123	0.55	|Q	|	|	|	V|
23+20	8.7161	0.55	|Q	|	|	|	V|
23+25	8.7199	0.55	|Q	|	|	|	V|
23+30	8.7237	0.55	|Q	|	|	|	V|
23+35	8.7275	0.55	|Q	|	|	|	V|
23+40	8.7313	0.55	|Q	|	|	|	V|

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   23+45       8.7352      0.55  |Q        |         |         |        V|
   23+50       8.7390      0.55  |Q        |         |         |        V|
   23+55       8.7428      0.55  |Q        |         |         |        V|
   24+ 0       8.7466      0.55  |Q        |         |         |        V|
   24+ 5       8.7487      0.30  Q         |         |         |        V|
   24+10       8.7492      0.07  Q         |         |         |        V|
   24+15       8.7493      0.02  Q         |         |         |        V|
-------------------------------------------------------------------------
```

ROUTING

DEPTH vs OUTFLOW CALCULATIONS

			HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	WEIR	
		No. of Holes →	**11**	**1**	0	0	0	0	0	**1**	← No. of Weir
			HOLE C	**HOLE C**	HOLE C	HOLE C	HOLE C	HOLE C	HOLE C	WEIR	
		Discharge Coefficient →	**0.6**	**0.6**	0.6	0.6	0.6	0.6	0.6	**3.33**	← Weir Coefficient
			HOLE FL	**HOLE FL**	HOLE FL	HOLE FL	HOLE FL	HOLE FL	HOLE FL	DIST TO WEIR	
		Distance of Holes from Basin Bottom (in) →	**2.5**	**75**	79	83	87	91	95	**108**	← Distance of Top of Weir from Basin Bottom (in)
			HOLE R	**HOLE R**	HOLE R	HOLE R	HOLE R	HOLE R	HOLE R	WEIR LENGTH FT	
		Rect. Height (in) →	**1**	**6**	2	2	2	2	2	**20.000**	← **Riser Pipe Perimeter (ft) =6'X4' Riser Pipe**
		Rect. Width (in) →	**1**	**48**	84	84	84	84	84		
			CEN EL	**CEN EL**	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	WEIR ELEV	
		Hole Centerline Elev (ft) →	1178.25	1184.5	1184.667	1185	1185.333	1185.6667	1186	**1187.0**	← Top of Riser Elevation (ft)
ELEV	DEPTH	OUTFLOW									
1178.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1179.00	1	0.32	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1180.00	2	0.49	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1181.00	3	0.61	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1182.00	4	0.71	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1183.00	5	0.80	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1184.00	6	0.88	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1185.00	7	7.77	0.96	6.81	0.00	0.00	0.00	0.00	0.00	0.00	
1186.00	8	12.82	1.02	11.79	0.00	0.00	0.00	0.00	0.00	0.00	
1187.00	9	16.31	1.09	15.23	0.00	0.00	0.00	0.00	0.00	0.00	
1188.00	10	85.76	1.15	18.02	0.00	0.00	0.00	0.00	0.00	66.60	
1189.00	11.00	210.01	1.21	20.43	0.00	0.00	0.00	0.00	0.00	188.37	

↑
[Σ FLOWS (HOLES+RISER)]

↑
(FLOW OVER TOP OF WEIR 1)

Note:

Orifice outflow is based on:

1. $Q=CA(2gH)^{0.5}$
   where:
   C = Coefficient, 0.6 used here
   A = Orifice Area
   H = Headwater

Weir flow is based on:

2. $Q=CLH^{1.5}$
   where:
   C = Coefficient, 2.8 used here
   L = Weir Length, Grate Perimeter was used here
   H = Headwater

RIO VISTA DEVELOPMENT
BASIN D
With 1@ 6"x48" Rectangular Orifices, 11@ 1"x1" Rectangular Orifice

STORAGE CAPACITY CALCULATION

Elevation (ft)	Contour Interval (ft)	Accumulate Depth (ft)	Area (sqft)	Area (acres)	Mean Area (acres)	Volume (ac-ft)	$Volume_{accumulat}$ (ac-ft)	$Volume_{accumulat}$ (cu-yd)	*Qout (cfs)
1178.00			6954	0.16			**0.0**	0.0	**0.00**
1179.00	1.00	**1.00**	8778	0.20	0.18	0.18	**0.18**	291.33	**0.32**
1180.00	1.00	**2.00**	10703	0.25	0.22	0.22	**0.40**	652.09	**0.49**
1181.00	1.00	**3.00**	12727	0.29	0.27	0.27	**0.67**	1085.98	**0.61**
1182.00	1.00	**4.00**	14850	0.34	0.32	0.32	**0.99**	1596.67	**0.71**
1183.00	1.00	**5.00**	17074	0.39	0.37	0.37	**1.36**	2187.85	**0.80**
1184.00	1.00	**6.00**	19399	0.45	0.42	0.42	**1.77**	2863.28	**0.88**
1185.00	1.00	**7.00**	21823	0.50	0.47	0.47	**2.25**	3626.65	**7.77**
1186.00	1.00	**8.00**	24338	0.56	0.53	0.53	**2.78**	4481.48	**12.82**
1187.00	1.00 **WSE DEPTH@1186.3**	**9.00**	26946	0.62	0.59	0.59	**3.37**	5431.19	**16.31**
1188.00	1.00	**10.00**	29668	0.68	0.65	0.65	**4.02**	6479.59	**85.76**
1189.00	**1.00 SPILLWAY CREST**	**11.00**	**32751**	**0.75**	**0.72**	**0.72**	**4.73**	**7635.50**	**210.01**

*** SEE RATING CURVE**

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/16/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRD242.rte

**********HYDROGRAPH DATA**********

Number of intervals = 291
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.633 (CFS)
Total volume = 2.208 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN D- ROUTING
2YR-24HR STORM

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Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 291
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.180	0.320	0.179	0.181
2.000	0.400	0.490	0.398	0.402
3.000	0.670	0.610	0.668	0.672
4.000	0.990	0.710	0.988	0.992
5.000	1.360	0.800	1.357	1.363
6.000	1.770	0.880	1.767	1.773
7.000	2.250	7.770	2.223	2.277
8.000	2.780	12.820	2.736	2.824
9.000	3.370	16.310	3.314	3.426
10.000	4.020	85.760	3.725	4.315

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth .0 0.9 1.82 2.72 3.63 (Ft.)

0.083	0.10	0.00	0.000	O	|	|	|	0.00
0.167	0.19	0.00	0.001	OI	|	|	|	0.01
0.250	0.21	0.00	0.003	OI	|	|	|	0.01
0.333	0.26	0.01	0.004	O I	|	|	|	0.02
0.417	0.31	0.01	0.006	O I	|	|	|	0.03
0.500	0.32	0.01	0.008	O I	|	|	|	0.05
0.583	0.32	0.02	0.010	O I	|	|	|	0.06
0.667	0.32	0.02	0.012	O I	|	|	|	0.07
0.750	0.32	0.03	0.014	O I	|	|	|	0.08
0.833	0.37	0.03	0.017	O I	|	|	|	0.09
0.917	0.41	0.03	0.019	O I	|	|	|	0.11
1.000	0.42	0.04	0.022	O I	|	|	|	0.12
1.083	0.38	0.04	0.024	O I	|	|	|	0.13
1.167	0.33	0.05	0.026	O I	|	|	|	0.15
1.250	0.32	0.05	0.028	O I	|	|	|	0.16
1.333	0.32	0.05	0.030	O I	|	|	|	0.17
1.417	0.32	0.06	0.032	O I	|	|	|	0.18
1.500	0.32	0.06	0.034	O I	|	|	|	0.19
1.583	0.32	0.06	0.035	O I	|	|	|	0.20
1.667	0.32	0.07	0.037	O I	|	|	|	0.21
1.750	0.32	0.07	0.039	O I	|	|	|	0.22
1.833	0.37	0.07	0.041	O I	|	|	|	0.23
1.917	0.41	0.08	0.043	O I	|	|	|	0.24
2.000	0.42	0.08	0.045	O I	|	|	|	0.25
2.083	0.43	0.08	0.048	O I	|	|	|	0.27
2.167	0.43	0.09	0.050	O I	|	|	|	0.28
2.250	0.43	0.09	0.052	O I	|	|	|	0.29
2.333	0.43	0.10	0.055	O I	|	|	|	0.30
2.417	0.43	0.10	0.057	O I	|	|	|	0.32
2.500	0.43	0.11	0.059	O I	|	|	|	0.33
2.583	0.48	0.11	0.062	O I	|	|	|	0.34
2.667	0.52	0.11	0.064	|O I	|	|	|	0.36
2.750	0.53	0.12	0.067	|O I	|	|	|	0.37
2.833	0.53	0.12	0.070	|O I	|	|	|	0.39
2.917	0.53	0.13	0.073	|O I	|	|	|	0.40
3.000	0.53	0.13	0.075	|O I	|	|	|	0.42
3.083	0.53	0.14	0.078	|O I	|	|	|	0.43
3.167	0.53	0.14	0.081	|O I	|	|	|	0.45
3.250	0.53	0.15	0.084	|O I	|	|	|	0.46
3.333	0.53	0.15	0.086	|O I	|	|	|	0.48
3.417	0.53	0.16	0.089	|O I	|	|	|	0.49
3.500	0.53	0.16	0.091	|O I	|	|	|	0.51
3.583	0.53	0.17	0.094	|O I	|	|	|	0.52
3.667	0.53	0.17	0.096	|O I	|	|	|	0.54
3.750	0.53	0.18	0.099	|O I	|	|	|	0.55
3.833	0.58	0.18	0.102	|O I	|	|	|	0.56
3.917	0.63	0.19	0.104	|O I	|	|	|	0.58
4.000	0.64	0.19	0.108	|O I	|	|	|	0.60
4.083	0.64	0.20	0.111	|O I	|	|	|	0.61
4.167	0.64	0.20	0.114	|O I	|	|	|	0.63
4.250	0.64	0.21	0.117	|O I	|	|	|	0.65
4.333	0.69	0.21	0.120	|O I	|	|	|	0.67
4.417	0.73	0.22	0.123	|O I	|	|	|	0.68
4.500	0.74	0.23	0.127	|O I	|	|	|	0.70
4.583	0.75	0.23	0.130	| O I	|	|	|	0.72
4.667	0.75	0.24	0.134	| O I	|	|	|	0.74
4.750	0.75	0.24	0.137	| O I	|	|	|	0.76
4.833	0.80	0.25	0.141	| O I|	|	|	|	0.78
4.917	0.84	0.26	0.145	| O I|	|	|	|	0.80
5.000	0.85	0.26	0.149	| O I|	|	|	|	0.83
5.083	0.76	0.27	0.153	| O I |	|	|	|	0.85
5.167	0.67	0.28	0.156	| O I |	|	|	|	0.86
5.250	0.65	0.28	0.158	| O I |	|	|	|	0.88
5.333	0.69	0.29	0.161	| O I |	|	|	|	0.89
5.417	0.73	0.29	0.164	| O I |	|	|	|	0.91
5.500	0.74	0.30	0.167	| O I |	|	|	|	0.93
5.583	0.80	0.30	0.170	| O I|	|	|	|	0.94

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 5.667    0.84    0.31      0.174  | O    I|       |       |       |     0.96
 5.750    0.85    0.32      0.177  | O    I|       |       |       |     0.98
 5.833    0.85    0.32      0.181  | O    I|       |       |       |     1.00
 5.917    0.85    0.32      0.185  | O    I|       |       |       |     1.02
 6.000    0.85    0.33      0.188  | O    I|       |       |       |     1.04
 6.083    0.90    0.33      0.192  | O    I|       |       |       |     1.05
 6.167    0.95    0.33      0.196  | O     I       |       |       |     1.07
 6.250    0.96    0.34      0.200  | O     I       |       |       |     1.09
 6.333    0.96    0.34      0.205  | O     I       |       |       |     1.11
 6.417    0.96    0.34      0.209  |  O    I       |       |       |     1.13
 6.500    0.96    0.35      0.213  |  O    I       |       |       |     1.15
 6.583    1.01    0.35      0.218  |  O    I       |       |       |     1.17
 6.667    1.06    0.35      0.222  |  O    |I      |       |       |     1.19
 6.750    1.06    0.36      0.227  |  O    |I      |       |       |     1.21
 6.833    1.07    0.36      0.232  |  O    |I      |       |       |     1.24
 6.917    1.07    0.36      0.237  |  O    |I      |       |       |     1.26
 7.000    1.07    0.37      0.242  |  O    |I      |       |       |     1.28
 7.083    1.07    0.37      0.247  |  O    |I      |       |       |     1.30
 7.167    1.07    0.38      0.251  |  O    |I      |       |       |     1.32
 7.250    1.07    0.38      0.256  |  O    |I      |       |       |     1.35
 7.333    1.12    0.38      0.261  |  O    |I      |       |       |     1.37
 7.417    1.16    0.39      0.266  |  O    | I     |       |       |     1.39
 7.500    1.17    0.39      0.272  |  O    | I     |       |       |     1.42
 7.583    1.22    0.40      0.277  |  O    | I     |       |       |     1.44
 7.667    1.27    0.40      0.283  |  O    |  I    |       |       |     1.47
 7.750    1.28    0.40      0.289  |  O    |  I    |       |       |     1.50
 7.833    1.33    0.41      0.295  |  O    |  I    |       |       |     1.52
 7.917    1.38    0.41      0.302  |  O    |   I   |       |       |     1.55
 8.000    1.38    0.42      0.308  |  O    |   I   |       |       |     1.58
 8.083    1.49    0.42      0.315  |  O    |    I  |       |       |     1.61
 8.167    1.58    0.43      0.323  |  O    |    I  |       |       |     1.65
 8.250    1.59    0.44      0.331  |  O    |     I |       |       |     1.69
 8.333    1.60    0.44      0.339  |  O    |     I |       |       |     1.72
 8.417    1.60    0.45      0.347  |  O    |     I |       |       |     1.76
 8.500    1.60    0.45      0.355  |   O   |     I |       |       |     1.79
 8.583    1.65    0.46      0.363  |   O   |     I |       |       |     1.83
 8.667    1.70    0.47      0.371  |   O   |     I |       |       |     1.87
 8.750    1.71    0.47      0.380  |   O   |      I|       |       |     1.91
 8.833    1.76    0.48      0.388  |   O   |      I|       |       |     1.95
 8.917    1.80    0.49      0.397  |   O   |      I|       |       |     1.99
 9.000    1.81    0.49      0.406  |   O   |      I|       |       |     2.02
 9.083    1.91    0.50      0.416  |   O   |       I       |       |     2.06
 9.167    2.00    0.50      0.426  |   O   |       |I      |       |     2.10
 9.250    2.02    0.51      0.436  |   O   |       |I      |       |     2.13
 9.333    2.08    0.51      0.447  |   O   |       | I     |       |     2.17
 9.417    2.12    0.52      0.458  |   O   |       | I     |       |     2.21
 9.500    2.13    0.52      0.469  |   O   |       | I     |       |     2.25
 9.583    2.19    0.53      0.480  |   O   |       |  I    |       |     2.30
 9.667    2.23    0.53      0.492  |   O   |       |  I    |       |     2.34
 9.750    2.24    0.54      0.503  |   O   |       |  I    |       |     2.38
 9.833    2.29    0.54      0.515  |   O   |       |   I   |       |     2.43
 9.917    2.34    0.55      0.527  |   O   |       |   I   |       |     2.47
10.000    2.35    0.55      0.540  |   O   |       |   I   |       |     2.52
10.083    2.01    0.56      0.551  |   O   |       |I      |       |     2.56
10.167    1.69    0.56      0.560  |   O   |     I |       |       |     2.59
10.250    1.63    0.56      0.567  |   O   |     I |       |       |     2.62
10.333    1.60    0.57      0.575  |   O   |     I |       |       |     2.65
10.417    1.60    0.57      0.582  |    O  |     I |       |       |     2.67
10.500    1.60    0.57      0.589  |    O  |     I |       |       |     2.70
10.583    1.84    0.58      0.597  |    O  |       I       |       |     2.73
10.667    2.07    0.58      0.606  |    O  |       | I     |       |     2.76
10.750    2.12    0.59      0.617  |    O  |       | I     |       |     2.80
10.833    2.14    0.59      0.627  |    O  |       | I     |       |     2.84
10.917    2.14    0.60      0.638  |    O  |       | I     |       |     2.88
11.000    2.14    0.60      0.648  |    O  |       | I     |       |     2.92
11.083    2.09    0.61      0.659  |    O  |       | I     |       |     2.96
11.167    2.04    0.61      0.669  |    O  |       |I      |       |     3.00
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11.250	2.03	0.61	0.679	O	I			3.03
11.333	2.03	0.62	0.688	O	I			3.06
11.417	2.03	0.62	0.698	O	I			3.09
11.500	2.03	0.62	0.708	O	I			3.12
11.583	1.93	0.62	0.717	O	I			3.15
11.667	1.84	0.63	0.726	O	I			3.17
11.750	1.82	0.63	0.734	O	I			3.20
11.833	1.86	0.63	0.743	O	I			3.23
11.917	1.91	0.64	0.751	O	I			3.25
12.000	1.92	0.64	0.760	O	I			3.28
12.083	2.26	0.64	0.770	O	I			3.31
12.167	2.58	0.65	0.782	O	I			3.35
12.250	2.64	0.65	0.796	O	I			3.39
12.333	2.72	0.65	0.810	O	I			3.44
12.417	2.76	0.66	0.824	O	I			3.48
12.500	2.77	0.66	0.839	O	I			3.53
12.583	2.87	0.67	0.854	O	I			3.57
12.667	2.97	0.67	0.869	O	I			3.62
12.750	2.98	0.68	0.885	O	I			3.67
12.833	3.04	0.68	0.901	O	I			3.72
12.917	3.09	0.69	0.917	O	I			3.77
13.000	3.09	0.69	0.934	O	I			3.82
13.083	3.34	0.70	0.951	O	I			3.88
13.167	3.57	0.70	0.970	O	I			3.94
13.250	3.61	0.71	0.990	O	I			4.00
13.333	3.63	0.71	1.010	O	I			4.05
13.417	3.63	0.72	1.030	O	I			4.11
13.500	3.63	0.72	1.050	O	I			4.16
13.583	3.10	0.73	1.068	O	I			4.21
13.667	2.60	0.73	1.083	O	I			4.25
13.750	2.50	0.74	1.096	O	I			4.29
13.833	2.46	0.74	1.108	O	I			4.32
13.917	2.46	0.74	1.119	O	I			4.35
14.000	2.46	0.74	1.131	O	I			4.38
14.083	2.65	0.75	1.144	O	I			4.42
14.167	2.83	0.75	1.157	O	I			4.45
14.250	2.87	0.75	1.172	O	I			4.49
14.333	2.84	0.76	1.186	O	I			4.53
14.417	2.79	0.76	1.200	O	I			4.57
14.500	2.78	0.76	1.214	O	I			4.61
14.583	2.78	0.77	1.228	O	I			4.64
14.667	2.78	0.77	1.242	O	I			4.68
14.750	2.78	0.77	1.256	O	I			4.72
14.833	2.73	0.78	1.269	O	I			4.76
14.917	2.68	0.78	1.283	O	I			4.79
15.000	2.68	0.78	1.296	O	I			4.83
15.083	2.62	0.79	1.309	O	I			4.86
15.167	2.58	0.79	1.321	O	I			4.89
15.250	2.57	0.79	1.333	O	I			4.93
15.333	2.52	0.80	1.345	O	I			4.96
15.417	2.47	0.80	1.357	O	I			4.99
15.500	2.46	0.80	1.369	O	I			5.02
15.583	2.26	0.80	1.379	O	I			5.05
15.667	2.08	0.81	1.389	O	I			5.07
15.750	2.05	0.81	1.397	O	I			5.09
15.833	2.03	0.81	1.406	O	I			5.11
15.917	2.03	0.81	1.414	O	I			5.13
16.000	2.03	0.81	1.423	O	I			5.15
16.083	1.31	**0.81**	**1.429**	**O**	**I**			**5.17**
16.167	0.62	0.81	1.430	O	I			5.17
16.250	0.49	0.81	1.428	O	I			5.17
16.333	0.43	0.81	1.425	O	I			5.16
16.417	0.43	0.81	1.423	O	I			5.15
16.500	0.43	0.81	1.420	O	I			5.15
16.583	0.38	0.81	1.417	O	I			5.14
16.667	0.33	0.81	1.414	O	I			5.13
16.750	0.32	0.81	1.411	O	I			5.12

16.833	0.32	0.81	1.407	| I O|	|	|	|	5.12
16.917	0.32	0.81	1.404	| I O|	|	|	|	5.11
17.000	0.32	0.81	1.401	| I O|	|	|	|	5.10
17.083	0.42	0.81	1.398	| I O|	|	|	|	5.09
17.167	0.51	0.81	1.395	| I O|	|	|	|	5.09
17.250	0.53	0.81	1.393	| I O|	|	|	|	5.08
17.333	0.53	0.81	1.391	| I O|	|	|	|	5.08
17.417	0.53	0.81	1.390	| I O|	|	|	|	5.07
17.500	0.53	0.81	1.388	| I O|	|	|	|	5.07
17.583	0.53	0.81	1.386	| I O|	|	|	|	5.06
17.667	0.53	0.80	1.384	| I O|	|	|	|	5.06
17.750	0.53	0.80	1.382	| I O|	|	|	|	5.05
17.833	0.49	0.80	1.380	| I O|	|	|	|	5.05
17.917	0.44	0.80	1.378	| I O|	|	|	|	5.04
18.000	0.43	0.80	1.375	| I O|	|	|	|	5.04
18.083	0.43	0.80	1.373	| I O|	|	|	|	5.03
18.167	0.43	0.80	1.370	| I O|	|	|	|	5.02
18.250	0.43	0.80	1.367	| I O|	|	|	|	5.02
18.333	0.43	0.80	1.365	| I O|	|	|	|	5.01
18.417	0.43	0.80	1.362	| I O|	|	|	|	5.01
18.500	0.43	0.80	1.360	| I O|	|	|	|	5.00
18.583	0.38	0.80	1.357	| I O|	|	|	|	4.99
18.667	0.33	0.80	1.354	| I O|	|	|	|	4.98
18.750	0.32	0.80	1.351	| I O|	|	|	|	4.98
18.833	0.27	0.80	1.347	| I O|	|	|	|	4.97
18.917	0.23	0.80	1.344	|I O|	|	|	|	4.96
19.000	0.22	0.80	1.340	|I O|	|	|	|	4.94
19.083	0.26	0.79	1.336	| I O |	|	|	|	4.93
19.167	0.31	0.79	1.332	| I O |	|	|	|	4.93
19.250	0.32	0.79	1.329	| I O |	|	|	|	4.92
19.333	0.37	0.79	1.326	| I O |	|	|	|	4.91
19.417	0.41	0.79	1.323	| I O |	|	|	|	4.90
19.500	0.42	0.79	1.321	| I O |	|	|	|	4.89
19.583	0.38	0.79	1.318	| I O |	|	|	|	4.89
19.667	0.33	0.79	1.315	| I O |	|	|	|	4.88
19.750	0.32	0.79	1.312	| I O |	|	|	|	4.87
19.833	0.27	0.79	1.308	| I O |	|	|	|	4.86
19.917	0.23	0.79	1.305	|I O |	|	|	|	4.85
20.000	0.22	0.79	1.301	|I O |	|	|	|	4.84
20.083	0.26	0.78	1.297	| I O |	|	|	|	4.83
20.167	0.31	0.78	1.294	| I O |	|	|	|	4.82
20.250	0.32	0.78	1.290	| I O |	|	|	|	4.81
20.333	0.32	0.78	1.287	| I O |	|	|	|	4.80
20.417	0.32	0.78	1.284	| I O |	|	|	|	4.79
20.500	0.32	0.78	1.281	| I O |	|	|	|	4.79
20.583	0.32	0.78	1.278	| I O |	|	|	|	4.78
20.667	0.32	0.78	1.274	| I O |	|	|	|	4.77
20.750	0.32	0.78	1.271	| I O |	|	|	|	4.76
20.833	0.27	0.78	1.268	| I O |	|	|	|	4.75
20.917	0.23	0.78	1.264	|I O |	|	|	|	4.74
21.000	0.22	0.78	1.261	|I O |	|	|	|	4.73
21.083	0.26	0.77	1.257	| I O |	|	|	|	4.72
21.167	0.31	0.77	1.253	| I O |	|	|	|	4.71
21.250	0.32	0.77	1.250	| I O |	|	|	|	4.70
21.333	0.27	0.77	1.247	| I O |	|	|	|	4.69
21.417	0.23	0.77	1.243	|I O |	|	|	|	4.68
21.500	0.22	0.77	1.240	|I O |	|	|	|	4.67
21.583	0.26	0.77	1.236	| I O |	|	|	|	4.66
21.667	0.31	0.77	1.233	| I O |	|	|	|	4.66
21.750	0.32	0.77	1.229	| I O |	|	|	|	4.65
21.833	0.27	0.77	1.226	| I O |	|	|	|	4.64
21.917	0.23	0.77	1.223	|I O |	|	|	|	4.63
22.000	0.22	0.77	1.219	|I O |	|	|	|	4.62
22.083	0.26	0.76	1.215	| I O |	|	|	|	4.61
22.167	0.31	0.76	1.212	| I O |	|	|	|	4.60
22.250	0.32	0.76	1.209	| I O |	|	|	|	4.59
22.333	0.27	0.76	1.206	| I O |	|	|	|	4.58

22.417	0.23	0.76	1.202	|I	O |	|	|	4.57
22.500	0.22	0.76	1.198	|I	O |	|	|	4.56
22.583	0.21	0.76	1.195	|I	O |	|	|	4.55
22.667	0.21	0.76	1.191	|I	O |	|	|	4.54
22.750	0.21	0.76	1.187	|I	O |	|	|	4.53
22.833	0.21	0.76	1.183	|I	O |	|	|	4.52
22.917	0.21	0.76	1.180	|I	O |	|	|	4.51
23.000	0.21	0.76	1.176	|I	O |	|	|	4.50
23.083	0.21	0.75	1.172	|I	O |	|	|	4.49
23.167	0.21	0.75	1.168	|I	O |	|	|	4.48
23.250	0.21	0.75	1.165	|I	O |	|	|	4.47
23.333	0.21	0.75	1.161	|I	O |	|	|	4.46
23.417	0.21	0.75	1.157	|I	O |	|	|	4.45
23.500	0.21	0.75	1.154	|I	O |	|	|	4.44
23.583	0.21	0.75	1.150	|I	O |	|	|	4.43
23.667	0.21	0.75	1.146	|I	O |	|	|	4.42
23.750	0.21	0.75	1.143	|I	O |	|	|	4.41
23.833	0.21	0.75	1.139	|I	O |	|	|	4.40
23.917	0.21	0.75	1.135	|I	O |	|	|	4.39
24.000	0.21	0.74	1.132	|I	O |	|	|	4.38
24.083	0.12	0.74	1.128	|I	O |	|	|	4.37
24.167	0.03	0.74	1.123	I	O |	|	|	4.36
24.250	0.01	0.74	1.118	I	O |	|	|	4.35
24.333	0.00	0.74	1.113	I	O |	|	|	4.33
24.417	0.00	0.74	1.108	I	O |	|	|	4.32
24.500	0.00	0.74	1.103	I	O |	|	|	4.30
24.583	0.00	0.74	1.098	I	O |	|	|	4.29
24.667	0.00	0.73	1.093	I	O |	|	|	4.28
24.750	0.00	0.73	1.088	I	O |	|	|	4.26
24.833	0.00	0.73	1.083	I	O |	|	|	4.25
24.917	0.00	0.73	1.078	I	O |	|	|	4.24
25.000	0.00	0.73	1.072	I	O |	|	|	4.22
25.083	0.00	0.73	1.067	I	O |	|	|	4.21
25.167	0.00	0.73	1.062	I	O |	|	|	4.20
25.250	0.00	0.73	1.057	I	O |	|	|	4.18
25.333	0.00	0.73	1.052	I	O |	|	|	4.17
25.417	0.00	0.72	1.047	I	O |	|	|	4.16
25.500	0.00	0.72	1.042	I	O |	|	|	4.14
25.583	0.00	0.72	1.037	I	O |	|	|	4.13
25.667	0.00	0.72	1.033	I	O |	|	|	4.11
25.750	0.00	0.72	1.028	I	O |	|	|	4.10
25.833	0.00	0.72	1.023	I	O |	|	|	4.09
25.917	0.00	0.72	1.018	I	O |	|	|	4.07
26.000	0.00	0.72	1.013	I	O |	|	|	4.06
26.083	0.00	0.71	1.008	I	O |	|	|	4.05
26.167	0.00	0.71	1.003	I	O |	|	|	4.03
26.250	0.00	0.71	0.998	I	O |	|	|	4.02
26.333	0.00	0.71	0.993	I	O |	|	|	4.01
26.417	0.00	0.71	0.988	I	O |	|	|	3.99
26.500	0.00	0.71	0.983	I	O |	|	|	3.98
26.583	0.00	0.71	0.978	I	O |	|	|	3.96
26.667	0.00	0.70	0.974	I	O |	|	|	3.95
26.750	0.00	0.70	0.969	I	O |	|	|	3.93
26.833	0.00	0.70	0.964	I	O |	|	|	3.92
26.917	0.00	0.70	0.959	I	O |	|	|	3.90
27.000	0.00	0.70	0.954	I	O |	|	|	3.89
27.083	0.00	0.70	0.949	I	O |	|	|	3.87
27.167	0.00	0.70	0.945	I	O |	|	|	3.86
27.250	0.00	0.69	0.940	I	O |	|	|	3.84
27.333	0.00	0.69	0.935	I	O |	|	|	3.83
27.417	0.00	0.69	0.930	I	O |	|	|	3.81
27.500	0.00	0.69	0.926	I	O |	|	|	3.80
27.583	0.00	0.69	0.921	I	O |	|	|	3.78
27.667	0.00	0.69	0.916	I	O |	|	|	3.77
27.750	0.00	0.69	0.911	I	O |	|	|	3.75
27.833	0.00	0.68	0.907	I	O |	|	|	3.74
27.917	0.00	0.68	0.902	I	O |	|	|	3.72

28.000	0.00	0.68	0.897	I	O	|	|	|	|	3.71
28.083	0.00	0.68	0.893	I	O	|	|	|	|	3.70
28.167	0.00	0.68	0.888	I	O	|	|	|	|	3.68
28.250	0.00	0.68	0.883	I	O	|	|	|	|	3.67
28.333	0.00	0.68	0.879	I	O	|	|	|	|	3.65
28.417	0.00	0.67	0.874	I	O	|	|	|	|	3.64
28.500	0.00	0.67	0.869	I	O	|	|	|	|	3.62
28.583	0.00	0.67	0.865	I	O	|	|	|	|	3.61
28.667	0.00	0.67	0.860	I	O	|	|	|	|	3.59
28.750	0.00	0.67	0.855	I	O	|	|	|	|	3.58
28.833	0.00	0.67	0.851	I	O	|	|	|	|	3.57
28.917	0.00	0.67	0.846	I	O	|	|	|	|	3.55
29.000	0.00	0.66	0.842	I	O	|	|	|	|	3.54
29.083	0.00	0.66	0.837	I	O	|	|	|	|	3.52
29.167	0.00	0.66	0.833	I	O	|	|	|	|	3.51
29.250	0.00	0.66	0.828	I	O	|	|	|	|	3.49
29.333	0.00	0.66	0.823	I	O	|	|	|	|	3.48
29.417	0.00	0.66	0.819	I	O	|	|	|	|	3.47
29.500	0.00	0.66	0.814	I	O	|	|	|	|	3.45
29.583	0.00	0.65	0.810	I	O	|	|	|	|	3.44
29.667	0.00	0.65	0.805	I	O	|	|	|	|	3.42
29.750	0.00	0.65	0.801	I	O	|	|	|	|	3.41
29.833	0.00	0.65	0.796	I	O	|	|	|	|	3.40
29.917	0.00	0.65	0.792	I	O	|	|	|	|	3.38
30.000	0.00	0.65	0.788	I	O	|	|	|	|	3.37
30.083	0.00	0.65	0.783	I	O	|	|	|	|	3.35
30.167	0.00	0.64	0.779	I	O	|	|	|	|	3.34
30.250	0.00	0.64	0.774	I	O	|	|	|	|	3.33
30.333	0.00	0.64	0.770	I	O	|	|	|	|	3.31
30.417	0.00	0.64	0.765	I	O	|	|	|	|	3.30
30.500	0.00	0.64	0.761	I	O	|	|	|	|	3.28
30.583	0.00	0.64	0.757	I	O	|	|	|	|	3.27
30.667	0.00	0.64	0.752	I	O	|	|	|	|	3.26
30.750	0.00	0.63	0.748	I	O	|	|	|	|	3.24
30.833	0.00	0.63	0.743	I	O	|	|	|	|	3.23
30.917	0.00	0.63	0.739	I	O	|	|	|	|	3.22
31.000	0.00	0.63	0.735	I	O	|	|	|	|	3.20
31.083	0.00	0.63	0.730	I	O	|	|	|	|	3.19
31.167	0.00	0.63	0.726	I	O	|	|	|	|	3.18
31.250	0.00	0.63	0.722	I	O	|	|	|	|	3.16
31.333	0.00	0.62	0.717	I	O	|	|	|	|	3.15
31.417	0.00	0.62	0.713	I	O	|	|	|	|	3.13
31.500	0.00	0.62	0.709	I	O	|	|	|	|	3.12
31.583	0.00	0.62	0.705	I	O	|	|	|	|	3.11
31.667	0.00	0.62	0.700	I	O	|	|	|	|	3.09
31.750	0.00	0.62	0.696	I	O	|	|	|	|	3.08
31.833	0.00	0.62	0.692	I	O	|	|	|	|	3.07
31.917	0.00	0.62	0.688	I	O	|	|	|	|	3.05
32.000	0.00	0.61	0.683	I	O	|	|	|	|	3.04
32.083	0.00	0.61	0.679	I	O	|	|	|	|	3.03
32.167	0.00	0.61	0.675	I	O	|	|	|	|	3.02
32.250	0.00	0.61	0.671	I	O	|	|	|	|	3.00
32.333	0.00	0.61	0.667	I	O	|	|	|	|	2.99
32.417	0.00	0.61	0.662	I	O	|	|	|	|	2.97
32.500	0.00	0.60	0.658	I	O	|	|	|	|	2.96
32.583	0.00	0.60	0.654	I	O	|	|	|	|	2.94
32.667	0.00	0.60	0.650	I	O	|	|	|	|	2.93
32.750	0.00	0.60	0.646	I	O	|	|	|	|	2.91
32.833	0.00	0.60	0.642	I	O	|	|	|	|	2.89
32.917	0.00	0.60	0.637	I	O	|	|	|	|	2.88
33.000	0.00	0.59	0.633	I	O	|	|	|	|	2.86
33.083	0.00	0.59	0.629	I	O	|	|	|	|	2.85
33.167	0.00	0.59	0.625	I	O	|	|	|	|	2.83
33.250	0.00	0.59	0.621	I	O	|	|	|	|	2.82
33.333	0.00	0.59	0.617	I	O	|	|	|	|	2.80
33.417	0.00	0.58	0.613	I	O	|	|	|	|	2.79
33.500	0.00	0.58	0.609	I	O	|	|	|	|	2.77

33.583	0.00	0.58	0.605	I	O	|	|	|	| 2.76
33.667	0.00	0.58	0.601	I	O	|	|	|	| 2.74
33.750	0.00	0.58	0.597	I	O	|	|	|	| 2.73
33.833	0.00	0.58	0.593	I	O	|	|	|	| 2.72
33.917	0.00	0.57	0.589	I	O	|	|	|	| 2.70
34.000	0.00	0.57	0.585	I	O	|	|	|	| 2.69
34.083	0.00	0.57	0.581	I	O	|	|	|	| 2.67
34.167	0.00	0.57	0.577	I	O	|	|	|	| 2.66
34.250	0.00	0.57	0.573	I	O	|	|	|	| 2.64
34.333	0.00	0.57	0.570	I	O	|	|	|	| 2.63
34.417	0.00	0.56	0.566	I	O	|	|	|	| 2.61
34.500	0.00	0.56	0.562	I	O	|	|	|	| 2.60
34.583	0.00	0.56	0.558	I	O	|	|	|	| 2.58
34.667	0.00	0.56	0.554	I	O	|	|	|	| 2.57
34.750	0.00	0.56	0.550	I	O	|	|	|	| 2.56
34.833	0.00	0.56	0.546	I	O	|	|	|	| 2.54
34.917	0.00	0.55	0.543	I	O	|	|	|	| 2.53
35.000	0.00	0.55	0.539	I	O	|	|	|	| 2.51
35.083	0.00	0.55	0.535	I	O	|	|	|	| 2.50
35.167	0.00	0.55	0.531	I	O	|	|	|	| 2.49
35.250	0.00	0.55	0.527	I	O	|	|	|	| 2.47
35.333	0.00	0.54	0.524	I	O	|	|	|	| 2.46
35.417	0.00	0.54	0.520	I	O	|	|	|	| 2.44
35.500	0.00	0.54	0.516	I	O	|	|	|	| 2.43
35.583	0.00	0.54	0.512	I	O	|	|	|	| 2.42
35.667	0.00	0.54	0.509	I	O	|	|	|	| 2.40
35.750	0.00	0.54	0.505	I	O	|	|	|	| 2.39
35.833	0.00	0.54	0.501	I	O	|	|	|	| 2.38
35.917	0.00	0.53	0.498	I	O	|	|	|	| 2.36
36.000	0.00	0.53	0.494	I	O	|	|	|	| 2.35
36.083	0.00	0.53	0.490	I	O	|	|	|	| 2.33
36.167	0.00	0.53	0.487	I	O	|	|	|	| 2.32
36.250	0.00	0.53	0.483	I	O	|	|	|	| 2.31
36.333	0.00	0.53	0.479	I	O	|	|	|	| 2.29
36.417	0.00	0.52	0.476	I	O	|	|	|	| 2.28
36.500	0.00	0.52	0.472	I	O	|	|	|	| 2.27
36.583	0.00	0.52	0.469	I	O	|	|	|	| 2.25
36.667	0.00	0.52	0.465	I	O	|	|	|	| 2.24
36.750	0.00	0.52	0.461	I	O	|	|	|	| 2.23
36.833	0.00	0.52	0.458	I	O	|	|	|	| 2.21
36.917	0.00	0.51	0.454	I	O	|	|	|	| 2.20
37.000	0.00	0.51	0.451	I	O	|	|	|	| 2.19
37.083	0.00	0.51	0.447	I	O	|	|	|	| 2.18
37.167	0.00	0.51	0.444	I	O	|	|	|	| 2.16
37.250	0.00	0.51	0.440	I	O	|	|	|	| 2.15
37.333	0.00	0.51	0.437	I	O	|	|	|	| 2.14
37.417	0.00	0.50	0.433	I	O	|	|	|	| 2.12
37.500	0.00	0.50	0.430	I	O	|	|	|	| 2.11
37.583	0.00	0.50	0.426	I	O	|	|	|	| 2.10
37.667	0.00	0.50	0.423	I	O	|	|	|	| 2.09
37.750	0.00	0.50	0.420	I	O	|	|	|	| 2.07
37.833	0.00	0.50	0.416	I	O	|	|	|	| 2.06
37.917	0.00	0.50	0.413	I	O	|	|	|	| 2.05
38.000	0.00	0.49	0.409	I	O	|	|	|	| 2.03
38.083	0.00	0.49	0.406	I	O	|	|	|	| 2.02
38.167	0.00	0.49	0.402	I	O	|	|	|	| 2.01
38.250	0.00	0.49	0.399	I	O	|	|	|	| 2.00
38.333	0.00	0.49	0.396	I	O	|	|	|	| 1.98
38.417	0.00	0.48	0.392	I	O	|	|	|	| 1.97
38.500	0.00	0.48	0.389	I	O	|	|	|	| 1.95
38.583	0.00	0.48	0.386	I	O	|	|	|	| 1.94
38.667	0.00	0.48	0.382	I	O	|	|	|	| 1.92
38.750	0.00	0.47	0.379	I	O	|	|	|	| 1.91
38.833	0.00	0.47	0.376	I	O	|	|	|	| 1.89
38.917	0.00	0.47	0.373	I	O	|	|	|	| 1.88
39.000	0.00	0.47	0.369	I	O	|	|	|	| 1.86
39.083	0.00	0.46	0.366	I	O	|	|	|	| 1.85

39.167	0.00	0.46	0.363	I O	|	|	|	1.83
39.250	0.00	0.46	0.360	I O	|	|	|	1.82
39.333	0.00	0.46	0.357	I O	|	|	|	1.80
39.417	0.00	0.45	0.354	I O	|	|	|	1.79
39.500	0.00	0.45	0.351	I O	|	|	|	1.78
39.583	0.00	0.45	0.347	I O	|	|	|	1.76
39.667	0.00	0.45	0.344	I O	|	|	|	1.75
39.750	0.00	0.44	0.341	I O	|	|	|	1.73
39.833	0.00	0.44	0.338	I O	|	|	|	1.72
39.917	0.00	0.44	0.335	I O	|	|	|	1.71
40.000	0.00	0.44	0.332	I O	|	|	|	1.69
40.083	0.00	0.44	0.329	I O	|	|	|	1.68
40.167	0.00	0.43	0.326	I O	|	|	|	1.66
40.250	0.00	0.43	0.323	I O	|	|	|	1.65
40.333	0.00	0.43	0.320	I O	|	|	|	1.64
40.417	0.00	0.43	0.317	I O	|	|	|	1.62
40.500	0.00	0.42	0.314	I O	|	|	|	1.61
40.583	0.00	0.42	0.311	I O	|	|	|	1.60
40.667	0.00	0.42	0.309	I O	|	|	|	1.58
40.750	0.00	0.42	0.306	I O	|	|	|	1.57
40.833	0.00	0.41	0.303	I O	|	|	|	1.56
40.917	0.00	0.41	0.300	I O	|	|	|	1.55
41.000	0.00	0.41	0.297	I O	|	|	|	1.53
41.083	0.00	0.41	0.294	I O	|	|	|	1.52
41.167	0.00	0.41	0.291	I O	|	|	|	1.51
41.250	0.00	0.40	0.289	I O	|	|	|	1.49
41.333	0.00	0.40	0.286	I O	|	|	|	1.48
41.417	0.00	0.40	0.283	I O	|	|	|	1.47
41.500	0.00	0.40	0.280	I O	|	|	|	1.46
41.583	0.00	0.40	0.278	I O	|	|	|	1.44
41.667	0.00	0.39	0.275	I O	|	|	|	1.43
41.750	0.00	0.39	0.272	I O	|	|	|	1.42
41.833	0.00	0.39	0.270	I O	|	|	|	1.41
41.917	0.00	0.39	0.267	I O	|	|	|	1.40
42.000	0.00	0.39	0.264	I O	|	|	|	1.38
42.083	0.00	0.38	0.262	I O	|	|	|	1.37
42.167	0.00	0.38	0.259	I O	|	|	|	1.36
42.250	0.00	0.38	0.256	I O	|	|	|	1.35
42.333	0.00	0.38	0.254	I O	|	|	|	1.34
42.417	0.00	0.37	0.251	I O	|	|	|	1.32
42.500	0.00	0.37	0.249	I O	|	|	|	1.31
42.583	0.00	0.37	0.246	I O	|	|	|	1.30
42.667	0.00	0.37	0.243	I O	|	|	|	1.29
42.750	0.00	0.37	0.241	I O	|	|	|	1.28
42.833	0.00	0.37	0.238	I O	|	|	|	1.27
42.917	0.00	0.36	0.236	I O	|	|	|	1.25
43.000	0.00	0.36	0.233	I O	|	|	|	1.24
43.083	0.00	0.36	0.231	I O	|	|	|	1.23
43.167	0.00	0.36	0.228	I O	|	|	|	1.22
43.250	0.00	0.36	0.226	I O	|	|	|	1.21
43.333	0.00	0.35	0.224	I O	|	|	|	1.20
43.417	0.00	0.35	0.221	I O	|	|	|	1.19
43.500	0.00	0.35	0.219	I O	|	|	|	1.18
43.583	0.00	0.35	0.216	I O	|	|	|	1.17
43.667	0.00	0.35	0.214	I O	|	|	|	1.15
43.750	0.00	0.34	0.212	I O	|	|	|	1.14
43.833	0.00	0.34	0.209	I O	|	|	|	1.13
43.917	0.00	0.34	0.207	I O	|	|	|	1.12
44.000	0.00	0.34	0.204	I O	|	|	|	1.11
44.083	0.00	0.34	0.202	I O	|	|	|	1.10
44.167	0.00	0.34	0.200	I O	|	|	|	1.09
44.250	0.00	0.33	0.198	I O	|	|	|	1.08
44.333	0.00	0.33	0.195	I O	|	|	|	1.07
44.417	0.00	0.33	0.193	I O	|	|	|	1.06
44.500	0.00	0.33	0.191	I O	|	|	|	1.05
44.583	0.00	0.33	0.188	I O	|	|	|	1.04
44.667	0.00	0.32	0.186	I O	|	|	|	1.03

44.750	0.00	0.32	0.184	I O	|	|	|	1.02
44.833	0.00	0.32	0.182	I O	|	|	|	1.01
44.917	0.00	0.32	0.180	I O	|	|	|	1.00
45.000	0.00	0.32	0.177	I O	|	|	|	0.99
45.083	0.00	0.31	0.175	I O	|	|	|	0.97
45.167	0.00	0.31	0.173	I O	|	|	|	0.96
45.250	0.00	0.30	0.171	I O	|	|	|	0.95
45.333	0.00	0.30	0.169	I O	|	|	|	0.94
45.417	0.00	0.30	0.167	I O	|	|	|	0.93
45.500	0.00	0.29	0.165	I O	|	|	|	0.92
45.583	0.00	0.29	0.163	I O	|	|	|	0.90
45.667	0.00	0.29	0.161	I O	|	|	|	0.89
45.750	0.00	0.28	0.159	I O	|	|	|	0.88
45.833	0.00	0.28	0.157	I O	|	|	|	0.87
45.917	0.00	0.28	0.155	I O	|	|	|	0.86
46.000	0.00	0.27	0.153	I O	|	|	|	0.85
46.083	0.00	0.27	0.151	I O	|	|	|	0.84
46.167	0.00	0.27	0.149	I O	|	|	|	0.83
46.250	0.00	0.26	0.148	I O	|	|	|	0.82
46.333	0.00	0.26	0.146	I O	|	|	|	0.81
46.417	0.00	0.26	0.144	I O	|	|	|	0.80
46.500	0.00	0.25	0.142	I O	|	|	|	0.79
46.583	0.00	0.25	0.141	I O	|	|	|	0.78
46.667	0.00	0.25	0.139	I O	|	|	|	0.77
46.750	0.00	0.24	0.137	I O	|	|	|	0.76
46.833	0.00	0.24	0.135	I O	|	|	|	0.75
46.917	0.00	0.24	0.134	I O	|	|	|	0.74
47.000	0.00	0.24	0.132	I O	|	|	|	0.73
47.083	0.00	0.23	0.131	I O	|	|	|	0.73
47.167	0.00	0.23	0.129	I O	|	|	|	0.72
47.250	0.00	0.23	0.127	IO	|	|	|	0.71
47.333	0.00	0.22	0.126	IO	|	|	|	0.70
47.417	0.00	0.22	0.124	IO	|	|	|	0.69
47.500	0.00	0.22	0.123	IO	|	|	|	0.68
47.583	0.00	0.22	0.121	IO	|	|	|	0.67
47.667	0.00	0.21	0.120	IO	|	|	|	0.67
47.750	0.00	0.21	0.118	IO	|	|	|	0.66
47.833	0.00	0.21	0.117	IO	|	|	|	0.65
47.917	0.00	0.21	0.116	IO	|	|	|	0.64
48.000	0.00	0.20	0.114	IO	|	|	|	0.63
48.083	0.00	0.20	0.113	IO	|	|	|	0.63
48.167	0.00	0.20	0.111	IO	|	|	|	0.62
48.250	0.00	0.20	0.110	IO	|	|	|	0.61
48.333	0.00	0.19	0.109	IO	|	|	|	0.60
48.417	0.00	0.19	0.107	IO	|	|	|	0.60
48.500	0.00	0.19	0.106	IO	|	|	|	0.59
48.583	0.00	0.19	0.105	IO	|	|	|	0.58
48.667	0.00	0.18	0.103	IO	|	|	|	0.57
48.750	0.00	0.18	0.102	IO	|	|	|	0.57
48.833	0.00	0.18	0.101	IO	|	|	|	0.56
48.917	0.00	0.18	0.100	IO	|	|	|	0.55
49.000	0.00	0.18	0.099	IO	|	|	|	0.55
49.083	0.00	0.17	0.097	IO	|	|	|	0.54
49.167	0.00	0.17	0.096	IO	|	|	|	0.53
49.250	0.00	0.17	0.095	IO	|	|	|	0.53
49.333	0.00	0.17	0.094	IO	|	|	|	0.52
49.417	0.00	0.16	0.093	IO	|	|	|	0.51
49.500	0.00	0.16	0.092	IO	|	|	|	0.51
49.583	0.00	0.16	0.090	IO	|	|	|	0.50
49.667	0.00	0.16	0.089	IO	|	|	|	0.50
49.750	0.00	0.16	0.088	IO	|	|	|	0.49
49.833	0.00	0.16	0.087	IO	|	|	|	0.48
49.917	0.00	0.15	0.086	IO	|	|	|	0.48
50.000	0.00	0.15	0.085	IO	|	|	|	0.47
50.083	0.00	0.15	0.084	IO	|	|	|	0.47
50.167	0.00	0.15	0.083	IO	|	|	|	0.46
50.250	0.00	0.15	0.082	IO	|	|	|	0.46

50.333	0.00	0.14	0.081	IO	|	|	|	0.45
50.417	0.00	0.14	0.080	IO	|	|	|	0.44
50.500	0.00	0.14	0.079	IO	|	|	|	0.44
50.583	0.00	0.14	0.078	IO	|	|	|	0.43
50.667	0.00	0.14	0.077	IO	|	|	|	0.43
50.750	0.00	0.14	0.076	IO	|	|	|	0.42
50.833	0.00	0.13	0.075	IO	|	|	|	0.42
50.917	0.00	0.13	0.074	IO	|	|	|	0.41
51.000	0.00	0.13	0.073	IO	|	|	|	0.41
51.083	0.00	0.13	0.073	IO	|	|	|	0.40
51.167	0.00	0.13	0.072	IO	|	|	|	0.40
51.250	0.00	0.13	0.071	IO	|	|	|	0.39
51.333	0.00	0.12	0.070	IO	|	|	|	0.39
51.417	0.00	0.12	0.069	IO	|	|	|	0.38
51.500	0.00	0.12	0.068	IO	|	|	|	0.38
51.583	0.00	0.12	0.067	IO	|	|	|	0.37
51.667	0.00	0.12	0.067	IO	|	|	|	0.37
51.750	0.00	0.12	0.066	IO	|	|	|	0.37
51.833	0.00	0.12	0.065	IO	|	|	|	0.36
51.917	0.00	0.11	0.064	IO	|	|	|	0.36
52.000	0.00	0.11	0.063	O	|	|	|	0.35
52.083	0.00	0.11	0.063	O	|	|	|	0.35
52.167	0.00	0.11	0.062	O	|	|	|	0.34
52.250	0.00	0.11	0.061	O	|	|	|	0.34
52.333	0.00	0.11	0.060	O	|	|	|	0.34
52.417	0.00	0.11	0.060	O	|	|	|	0.33
52.500	0.00	0.10	0.059	O	|	|	|	0.33
52.583	0.00	0.10	0.058	O	|	|	|	0.32
52.667	0.00	0.10	0.058	O	|	|	|	0.32
52.750	0.00	0.10	0.057	O	|	|	|	0.32
52.833	0.00	0.10	0.056	O	|	|	|	0.31
52.917	0.00	0.10	0.055	O	|	|	|	0.31
53.000	0.00	0.10	0.055	O	|	|	|	0.30
53.083	0.00	0.10	0.054	O	|	|	|	0.30
53.167	0.00	0.09	0.053	O	|	|	|	0.30
53.250	0.00	0.09	0.053	O	|	|	|	0.29
53.333	0.00	0.09	0.052	O	|	|	|	0.29
53.417	0.00	0.09	0.052	O	|	|	|	0.29
53.500	0.00	0.09	0.051	O	|	|	|	0.28
53.583	0.00	0.09	0.050	O	|	|	|	0.28
53.667	0.00	0.09	0.050	O	|	|	|	0.28
53.750	0.00	0.09	0.049	O	|	|	|	0.27
53.833	0.00	0.09	0.048	O	|	|	|	0.27
53.917	0.00	0.09	0.048	O	|	|	|	0.27
54.000	0.00	0.08	0.047	O	|	|	|	0.26
54.083	0.00	0.08	0.047	O	|	|	|	0.26
54.167	0.00	0.08	0.046	O	|	|	|	0.26
54.250	0.00	0.08	0.046	O	|	|	|	0.25
54.333	0.00	0.08	0.045	O	|	|	|	0.25
54.417	0.00	0.08	0.044	O	|	|	|	0.25
54.500	0.00	0.08	0.044	O	|	|	|	0.24
54.583	0.00	0.08	0.043	O	|	|	|	0.24
54.667	0.00	0.08	0.043	O	|	|	|	0.24
54.750	0.00	0.08	0.042	O	|	|	|	0.24
54.833	0.00	0.07	0.042	O	|	|	|	0.23
54.917	0.00	0.07	0.041	O	|	|	|	0.23
55.000	0.00	0.07	0.041	O	|	|	|	0.23
55.083	0.00	0.07	0.040	O	|	|	|	0.22
55.167	0.00	0.07	0.040	O	|	|	|	0.22
55.250	0.00	0.07	0.039	O	|	|	|	0.22
55.333	0.00	0.07	0.039	O	|	|	|	0.22
55.417	0.00	0.07	0.038	O	|	|	|	0.21
55.500	0.00	0.07	0.038	O	|	|	|	0.21
55.583	0.00	0.07	0.037	O	|	|	|	0.21
55.667	0.00	0.07	0.037	O	|	|	|	0.21
55.750	0.00	0.06	0.037	O	|	|	|	0.20
55.833	0.00	0.06	0.036	O	|	|	|	0.20

55.917	0.00	0.06	0.036	O					0.20
56.000	0.00	0.06	0.035	O					0.20
56.083	0.00	0.06	0.035	O					0.19
56.167	0.00	0.06	0.034	O					0.19
56.250	0.00	0.06	0.034	O					0.19
56.333	0.00	0.06	0.034	O					0.19
56.417	0.00	0.06	0.033	O					0.18
56.500	0.00	0.06	0.033	O					0.18
56.583	0.00	0.06	0.032	O					0.18
56.667	0.00	0.06	0.032	O					0.18
56.750	0.00	0.06	0.032	O					0.18
56.833	0.00	0.06	0.031	O					0.17
56.917	0.00	0.05	0.031	O					0.17
57.000	0.00	0.05	0.030	O					0.17
57.083	0.00	0.05	0.030	O					0.17
57.167	0.00	0.05	0.030	O					0.16
57.250	0.00	0.05	0.029	O					0.16
57.333	0.00	0.05	0.029	O					0.16
57.417	0.00	0.05	0.029	O					0.16
57.500	0.00	0.05	0.028	O					0.16
57.583	0.00	0.05	0.028	O					0.16
57.667	0.00	0.05	0.028	O					0.15
57.750	0.00	0.05	0.027	O					0.15
57.833	0.00	0.05	0.027	O					0.15
57.917	0.00	0.05	0.027	O					0.15
58.000	0.00	0.05	0.026	O					0.15
58.083	0.00	0.05	0.026	O					0.14
58.167	0.00	0.05	0.026	O					0.14
58.250	0.00	0.05	0.025	O					0.14
58.333	0.00	0.04	0.025	O					0.14
58.417	0.00	0.04	0.025	O					0.14
58.500	0.00	0.04	0.024	O					0.14
58.583	0.00	0.04	0.024	O					0.13
58.667	0.00	0.04	0.024	O					0.13
58.750	0.00	0.04	0.024	O					0.13
58.833	0.00	0.04	0.023	O					0.13
58.917	0.00	0.04	0.023	O					0.13
59.000	0.00	0.04	0.023	O					0.13
59.083	0.00	0.04	0.022	O					0.12
59.167	0.00	0.04	0.022	O					0.12
59.250	0.00	0.04	0.022	O					0.12
59.333	0.00	0.04	0.022	O					0.12
59.417	0.00	0.04	0.021	O					0.12
59.500	0.00	0.04	0.021	O					0.12
59.583	0.00	0.04	0.021	O					0.12
59.667	0.00	0.04	0.021	O					0.11
59.750	0.00	0.04	0.020	O					0.11
59.833	0.00	0.04	0.020	O					0.11
59.917	0.00	0.04	0.020	O					0.11
60.000	0.00	0.03	0.020	O					0.11
60.083	0.00	0.03	0.019	O					0.11
60.167	0.00	0.03	0.019	O					0.11
60.250	0.00	0.03	0.019	O					0.10
60.333	0.00	0.03	0.019	O					0.10
60.417	0.00	0.03	0.018	O					0.10
60.500	0.00	0.03	0.018	O					0.10
60.583	0.00	0.03	0.018	O					0.10
60.667	0.00	0.03	0.018	O					0.10
60.750	0.00	0.03	0.018	O					0.10
60.833	0.00	0.03	0.017	O					0.10
60.917	0.00	0.03	0.017	O					0.10
61.000	0.00	0.03	0.017	O					0.09
61.083	0.00	0.03	0.017	O					0.09
61.167	0.00	0.03	0.016	O					0.09
61.250	0.00	0.03	0.016	O					0.09
61.333	0.00	0.03	0.016	O					0.09
61.417	0.00	0.03	0.016	O					0.09

61.500	0.00	0.03	0.016	O	|	|	|	|	0.09
61.583	0.00	0.03	0.016	O	|	|	|	|	0.09
61.667	0.00	0.03	0.015	O	|	|	|	|	0.09
61.750	0.00	0.03	0.015	O	|	|	|	|	0.08
61.833	0.00	0.03	0.015	O	|	|	|	|	0.08
61.917	0.00	0.03	0.015	O	|	|	|	|	0.08
62.000	0.00	0.03	0.015	O	|	|	|	|	0.08
62.083	0.00	0.03	0.014	O	|	|	|	|	0.08
62.167	0.00	0.03	0.014	O	|	|	|	|	0.08
62.250	0.00	0.03	0.014	O	|	|	|	|	0.08
62.333	0.00	0.02	0.014	O	|	|	|	|	0.08
62.417	0.00	0.02	0.014	O	|	|	|	|	0.08
62.500	0.00	0.02	0.014	O	|	|	|	|	0.08
62.583	0.00	0.02	0.013	O	|	|	|	|	0.07
62.667	0.00	0.02	0.013	O	|	|	|	|	0.07
62.750	0.00	0.02	0.013	O	|	|	|	|	0.07
62.833	0.00	0.02	0.013	O	|	|	|	|	0.07
62.917	0.00	0.02	0.013	O	|	|	|	|	0.07
63.000	0.00	0.02	0.013	O	|	|	|	|	0.07
63.083	0.00	0.02	0.012	O	|	|	|	|	0.07
63.167	0.00	0.02	0.012	O	|	|	|	|	0.07
63.250	0.00	0.02	0.012	O	|	|	|	|	0.07
63.333	0.00	0.02	0.012	O	|	|	|	|	0.07
63.417	0.00	0.02	0.012	O	|	|	|	|	0.07
63.500	0.00	0.02	0.012	O	|	|	|	|	0.07
63.583	0.00	0.02	0.012	O	|	|	|	|	0.06
63.667	0.00	0.02	0.011	O	|	|	|	|	0.06
63.750	0.00	0.02	0.011	O	|	|	|	|	0.06
63.833	0.00	0.02	0.011	O	|	|	|	|	0.06
63.917	0.00	0.02	0.011	O	|	|	|	|	0.06
64.000	0.00	0.02	0.011	O	|	|	|	|	0.06
64.083	0.00	0.02	0.011	O	|	|	|	|	0.06
64.167	0.00	0.02	0.011	O	|	|	|	|	0.06
64.250	0.00	0.02	0.010	O	|	|	|	|	0.06
64.333	0.00	0.02	0.010	O	|	|	|	|	0.06
64.417	0.00	0.02	0.010	O	|	|	|	|	0.06
64.500	0.00	0.02	0.010	O	|	|	|	|	0.06
64.583	0.00	0.02	0.010	O	|	|	|	|	0.06
64.667	0.00	0.02	0.010	O	|	|	|	|	0.05
64.750	0.00	0.02	0.010	O	|	|	|	|	0.05
64.833	0.00	0.02	0.010	O	|	|	|	|	0.05
64.917	0.00	0.02	0.010	O	|	|	|	|	0.05
65.000	0.00	0.02	0.009	O	|	|	|	|	0.05
65.083	0.00	0.02	0.009	O	|	|	|	|	0.05
65.167	0.00	0.02	0.009	O	|	|	|	|	0.05
65.250	0.00	0.02	0.009	O	|	|	|	|	0.05
65.333	0.00	0.02	0.009	O	|	|	|	|	0.05
65.417	0.00	0.02	0.009	O	|	|	|	|	0.05
65.500	0.00	0.02	0.009	O	|	|	|	|	0.05
65.583	0.00	0.02	0.009	O	|	|	|	|	0.05
65.667	0.00	0.02	0.009	O	|	|	|	|	0.05
65.750	0.00	0.01	0.008	O	|	|	|	|	0.05
65.833	0.00	0.01	0.008	O	|	|	|	|	0.05
65.917	0.00	0.01	0.008	O	|	|	|	|	0.05
66.000	0.00	0.01	0.008	O	|	|	|	|	0.05
66.083	0.00	0.01	0.008	O	|	|	|	|	0.04
66.167	0.00	0.01	0.008	O	|	|	|	|	0.04
66.250	0.00	0.01	0.008	O	|	|	|	|	0.04
66.333	0.00	0.01	0.008	O	|	|	|	|	0.04
66.417	0.00	0.01	0.008	O	|	|	|	|	0.04
66.500	0.00	0.01	0.008	O	|	|	|	|	0.04
66.583	0.00	0.01	0.007	O	|	|	|	|	0.04
66.667	0.00	0.01	0.007	O	|	|	|	|	0.04
66.750	0.00	0.01	0.007	O	|	|	|	|	0.04
66.833	0.00	0.01	0.007	O	|	|	|	|	0.04
66.917	0.00	0.01	0.007	O	|	|	|	|	0.04
67.000	0.00	0.01	0.007	O	|	|	|	|	0.04

67.083	0.00	0.01	0.007	O	|	|	|	|	0.04
67.167	0.00	0.01	0.007	O	|	|	|	|	0.04
67.250	0.00	0.01	0.007	O	|	|	|	|	0.04
67.333	0.00	0.01	0.007	O	|	|	|	|	0.04
67.417	0.00	0.01	0.007	O	|	|	|	|	0.04
67.500	0.00	0.01	0.007	O	|	|	|	|	0.04
67.583	0.00	0.01	0.006	O	|	|	|	|	0.04
67.667	0.00	0.01	0.006	O	|	|	|	|	0.04
67.750	0.00	0.01	0.006	O	|	|	|	|	0.03
67.833	0.00	0.01	0.006	O	|	|	|	|	0.03
67.917	0.00	0.01	0.006	O	|	|	|	|	0.03
68.000	0.00	0.01	0.006	O	|	|	|	|	0.03
68.083	0.00	0.01	0.006	O	|	|	|	|	0.03
68.167	0.00	0.01	0.006	O	|	|	|	|	0.03
68.250	0.00	0.01	0.006	O	|	|	|	|	0.03
68.333	0.00	0.01	0.006	O	|	|	|	|	0.03
68.417	0.00	0.01	0.006	O	|	|	|	|	0.03
68.500	0.00	0.01	0.006	O	|	|	|	|	0.03
68.583	0.00	0.01	0.006	O	|	|	|	|	0.03
68.667	0.00	0.01	0.005	O	|	|	|	|	0.03
68.750	0.00	0.01	0.005	O	|	|	|	|	0.03
68.833	0.00	0.01	0.005	O	|	|	|	|	0.03
68.917	0.00	0.01	0.005	O	|	|	|	|	0.03
69.000	0.00	0.01	0.005	O	|	|	|	|	0.03
69.083	0.00	0.01	0.005	O	|	|	|	|	0.03
69.167	0.00	0.01	0.005	O	|	|	|	|	0.03
69.250	0.00	0.01	0.005	O	|	|	|	|	0.03
69.333	0.00	0.01	0.005	O	|	|	|	|	0.03
69.417	0.00	0.01	0.005	O	|	|	|	|	0.03
69.500	0.00	0.01	0.005	O	|	|	|	|	0.03
69.583	0.00	0.01	0.005	O	|	|	|	|	0.03
69.667	0.00	0.01	0.005	O	|	|	|	|	0.03
69.750	0.00	0.01	0.005	O	|	|	|	|	0.03
69.833	0.00	0.01	0.005	O	|	|	|	|	0.03
69.917	0.00	0.01	0.005	O	|	|	|	|	0.03
70.000	0.00	0.01	0.005	O	|	|	|	|	0.03
70.083	0.00	0.01	0.004	O	|	|	|	|	0.02
70.167	0.00	0.01	0.004	O	|	|	|	|	0.02
70.250	0.00	0.01	0.004	O	|	|	|	|	0.02
70.333	0.00	0.01	0.004	O	|	|	|	|	0.02
70.417	0.00	0.01	0.004	O	|	|	|	|	0.02
70.500	0.00	0.01	0.004	O	|	|	|	|	0.02
70.583	0.00	0.01	0.004	O	|	|	|	|	0.02
70.667	0.00	0.01	0.004	O	|	|	|	|	0.02
70.750	0.00	0.01	0.004	O	|	|	|	|	0.02
70.833	0.00	0.01	0.004	O	|	|	|	|	0.02
70.917	0.00	0.01	0.004	O	|	|	|	|	0.02
71.000	0.00	0.01	0.004	O	|	|	|	|	0.02
71.083	0.00	0.01	0.004	O	|	|	|	|	0.02
71.167	0.00	0.01	0.004	O	|	|	|	|	0.02
71.250	0.00	0.01	0.004	O	|	|	|	|	0.02
71.333	0.00	0.01	0.004	O	|	|	|	|	0.02
71.417	0.00	0.01	0.004	O	|	|	|	|	0.02
71.500	0.00	0.01	0.004	O	|	|	|	|	0.02
71.583	0.00	0.01	0.004	O	|	|	|	|	0.02
71.667	0.00	0.01	0.004	O	|	|	|	|	0.02
71.750	0.00	0.01	0.003	O	|	|	|	|	0.02
71.833	0.00	0.01	0.003	O	|	|	|	|	0.02
71.917	0.00	0.01	0.003	O	|	|	|	|	0.02
72.000	0.00	0.01	0.003	O	|	|	|	|	0.02
72.083	0.00	0.01	0.003	O	|	|	|	|	0.02
72.167	0.00	0.01	0.003	O	|	|	|	|	0.02
72.250	0.00	0.01	0.003	O	|	|	|	|	0.02
72.333	0.00	0.01	0.003	O	|	|	|	|	0.02
72.417	0.00	0.01	0.003	O	|	|	|	|	0.02
72.500	0.00	0.01	0.003	O	|	|	|	|	0.02
72.583	0.00	0.01	0.003	O	|	|	|	|	0.02

72.667	0.00	0.01	0.003	O	|	|	|	|	0.02
72.750	0.00	0.01	0.003	O	|	|	|	|	0.02
72.833	0.00	0.01	0.003	O	|	|	|	|	0.02
72.917	0.00	0.01	0.003	O	|	|	|	|	0.02
73.000	0.00	0.01	0.003	O	|	|	|	|	0.02
73.083	0.00	0.01	0.003	O	|	|	|	|	0.02
73.167	0.00	0.01	0.003	O	|	|	|	|	0.02
73.250	0.00	0.00	0.003	O	|	|	|	|	0.02
73.333	0.00	0.00	0.003	O	|	|	|	|	0.02
73.417	0.00	0.00	0.003	O	|	|	|	|	0.02
73.500	0.00	0.00	0.003	O	|	|	|	|	0.01
73.583	0.00	0.00	0.003	O	|	|	|	|	0.01
73.667	0.00	0.00	0.003	O	|	|	|	|	0.01
73.750	0.00	0.00	0.003	O	|	|	|	|	0.01
73.833	0.00	0.00	0.003	O	|	|	|	|	0.01
73.917	0.00	0.00	0.003	O	|	|	|	|	0.01
74.000	0.00	0.00	0.003	O	|	|	|	|	0.01
74.083	0.00	0.00	0.002	O	|	|	|	|	0.01
74.167	0.00	0.00	0.002	O	|	|	|	|	0.01
74.250	0.00	0.00	0.002	O	|	|	|	|	0.01
74.333	0.00	0.00	0.002	O	|	|	|	|	0.01
74.417	0.00	0.00	0.002	O	|	|	|	|	0.01
74.500	0.00	0.00	0.002	O	|	|	|	|	0.01
74.583	0.00	0.00	0.002	O	|	|	|	|	0.01
74.667	0.00	0.00	0.002	O	|	|	|	|	0.01
74.750	0.00	0.00	0.002	O	|	|	|	|	0.01
74.833	0.00	0.00	0.002	O	|	|	|	|	0.01
74.917	0.00	0.00	0.002	O	|	|	|	|	0.01
75.000	0.00	0.00	0.002	O	|	|	|	|	0.01
75.083	0.00	0.00	0.002	O	|	|	|	|	0.01
75.167	0.00	0.00	0.002	O	|	|	|	|	0.01
75.250	0.00	0.00	0.002	O	|	|	|	|	0.01
75.333	0.00	0.00	0.002	O	|	|	|	|	0.01
75.417	0.00	0.00	0.002	O	|	|	|	|	0.01
75.500	0.00	0.00	0.002	O	|	|	|	|	0.01
75.583	0.00	0.00	0.002	O	|	|	|	|	0.01
75.667	0.00	0.00	0.002	O	|	|	|	|	0.01
75.750	0.00	0.00	0.002	O	|	|	|	|	0.01
75.833	0.00	0.00	0.002	O	|	|	|	|	0.01
75.917	0.00	0.00	0.002	O	|	|	|	|	0.01
76.000	0.00	0.00	0.002	O	|	|	|	|	0.01
76.083	0.00	0.00	0.002	O	|	|	|	|	0.01
76.167	0.00	0.00	0.002	O	|	|	|	|	0.01
76.250	0.00	0.00	0.002	O	|	|	|	|	0.01
76.333	0.00	0.00	0.002	O	|	|	|	|	0.01
76.417	0.00	0.00	0.002	O	|	|	|	|	0.01
76.500	0.00	0.00	0.002	O	|	|	|	|	0.01
76.583	0.00	0.00	0.002	O	|	|	|	|	0.01
76.667	0.00	0.00	0.002	O	|	|	|	|	0.01
76.750	0.00	0.00	0.002	O	|	|	|	|	0.01
76.833	0.00	0.00	0.002	O	|	|	|	|	0.01
76.917	0.00	0.00	0.002	O	|	|	|	|	0.01
77.000	0.00	0.00	0.002	O	|	|	|	|	0.01
77.083	0.00	0.00	0.002	O	|	|	|	|	0.01
77.167	0.00	0.00	0.002	O	|	|	|	|	0.01
77.250	0.00	0.00	0.002	O	|	|	|	|	0.01
77.333	0.00	0.00	0.002	O	|	|	|	|	0.01
77.417	0.00	0.00	0.002	O	|	|	|	|	0.01
77.500	0.00	0.00	0.001	O	|	|	|	|	0.01
77.583	0.00	0.00	0.001	O	|	|	|	|	0.01
77.667	0.00	0.00	0.001	O	|	|	|	|	0.01
77.750	0.00	0.00	0.001	O	|	|	|	|	0.01
77.833	0.00	0.00	0.001	O	|	|	|	|	0.01
77.917	0.00	0.00	0.001	O	|	|	|	|	0.01
78.000	0.00	0.00	0.001	O	|	|	|	|	0.01
78.083	0.00	0.00	0.001	O	|	|	|	|	0.01
78.167	0.00	0.00	0.001	O	|	|	|	|	0.01

78.250	0.00	0.00	0.001	O					0.01
78.333	0.00	0.00	0.001	O					0.01
78.417	0.00	0.00	0.001	O					0.01
78.500	0.00	0.00	0.001	O					0.01
78.583	0.00	0.00	0.001	O					0.01
78.667	0.00	0.00	0.001	O					0.01
78.750	0.00	0.00	0.001	O					0.01
78.833	0.00	0.00	0.001	O					0.01
78.917	0.00	0.00	0.001	O					0.01
79.000	0.00	0.00	0.001	O					0.01
79.083	0.00	0.00	0.001	O					0.01
79.167	0.00	0.00	0.001	O					0.01
79.250	0.00	0.00	0.001	O					0.01
79.333	0.00	0.00	0.001	O					0.01
79.417	0.00	0.00	0.001	O					0.01
79.500	0.00	0.00	0.001	O					0.01
79.583	0.00	0.00	0.001	O					0.01
79.667	0.00	0.00	0.001	O					0.01
79.750	0.00	0.00	0.001	O					0.01
79.833	0.00	0.00	0.001	O					0.01
79.917	0.00	0.00	0.001	O					0.01
80.000	0.00	0.00	0.001	O					0.01
80.083	0.00	0.00	0.001	O					0.01
80.167	0.00	0.00	0.001	O					0.01
80.250	0.00	0.00	0.001	O					0.01
80.333	0.00	0.00	0.001	O					0.01
80.417	0.00	0.00	0.001	O					0.01
80.500	0.00	0.00	0.001	O					0.01
80.583	0.00	0.00	0.001	O					0.01
80.667	0.00	0.00	0.001	O					0.01
80.750	0.00	0.00	0.001	O					0.01
80.833	0.00	0.00	0.001	O					0.01
80.917	0.00	0.00	0.001	O					0.01
81.000	0.00	0.00	0.001	O					0.00
81.083	0.00	0.00	0.001	O					0.00
81.167	0.00	0.00	0.001	O					0.00
81.250	0.00	0.00	0.001	O					0.00
81.333	0.00	0.00	0.001	O					0.00
81.417	0.00	0.00	0.001	O					0.00
81.500	0.00	0.00	0.001	O					0.00
81.583	0.00	0.00	0.001	O					0.00
81.667	0.00	0.00	0.001	O					0.00
81.750	0.00	0.00	0.001	O					0.00
81.833	0.00	0.00	0.001	O					0.00
81.917	0.00	0.00	0.001	O					0.00
82.000	0.00	0.00	0.001	O					0.00
82.083	0.00	0.00	0.001	O					0.00
82.167	0.00	0.00	0.001	O					0.00
82.250	0.00	0.00	0.001	O					0.00
82.333	0.00	0.00	0.001	O					0.00
82.417	0.00	0.00	0.001	O					0.00
82.500	0.00	0.00	0.001	O					0.00
82.583	0.00	0.00	0.001	O					0.00
82.667	0.00	0.00	0.001	O					0.00
82.750	0.00	0.00	0.001	O					0.00
82.833	0.00	0.00	0.001	O					0.00
82.917	0.00	0.00	0.001	O					0.00
83.000	0.00	0.00	0.001	O					0.00
83.083	0.00	0.00	0.001	O					0.00
83.167	0.00	0.00	0.001	O					0.00
83.250	0.00	0.00	0.001	O					0.00
83.333	0.00	0.00	0.001	O					0.00
83.417	0.00	0.00	0.001	O					0.00
83.500	0.00	0.00	0.001	O					0.00
83.583	0.00	0.00	0.001	O					0.00
83.667	0.00	0.00	0.001	O					0.00
83.750	0.00	0.00	0.001	O					0.00

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83.833    0.00    0.00      0.001  O       |       |       |       |     0.00
83.917    0.00    0.00      0.001  O       |       |       |       |     0.00
84.000    0.00    0.00      0.001  O       |       |       |       |     0.00
84.083    0.00    0.00      0.001  O       |       |       |       |     0.00
84.167    0.00    0.00      0.001  O       |       |       |       |     0.00

      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =  1010
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =        0.814 (CFS)
                  Total volume =       2.207 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ***********************************************************************

      ----------------------------------------------------------------------
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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/10/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRD110.rte

**********HYDROGRAPH DATA**********

Number of intervals = 15
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 41.305 (CFS)
Total volume = 1.112 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN D- ROUTING
10YR-1HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 15
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.180	0.320	0.179	0.181
2.000	0.400	0.490	0.398	0.402
3.000	0.670	0.610	0.668	0.672
4.000	0.990	0.710	0.988	0.992
5.000	1.360	0.800	1.357	1.363
6.000	1.770	0.880	1.767	1.773
7.000	2.250	7.770	2.223	2.277
8.000	2.780	12.820	2.736	2.824
9.000	3.370	16.310	3.314	3.426
10.000	4.020	85.760	3.725	4.315

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 10.3 20.65 30.98 41.30	Depth (Ft.)
0.083	1.52	0.01	0.005	OI | | | |	0.03
0.167	3.37	0.04	0.022	O I | | | |	0.12

0.250	4.23	0.08	0.048	O	I	|	|	|	|	0.26
0.333	5.01	0.14	0.079	O	I	|	|	|	|	0.44
0.417	5.85	0.20	0.115	O	I	|	|	|	|	0.64
0.500	7.30	0.28	0.158	O	I	|	|	|	|	0.88
0.583	8.94	0.34	0.212	O	I	|	|	|	|	1.15
0.667	11.69	0.40	0.281	O	I	|	|	|	|	1.46
0.750	18.80	0.48	0.383	O	I	|	I	|	|	1.92
0.833	41.30	0.57	0.586	O	I	|	|	|	I	2.69
0.917	34.84	0.66	0.844	O	I	|	|	I	|	3.54
1.000	12.71	0.71	1.003	O	I	|	|	|	|	4.03
1.083	5.01	0.73	1.059	O	I	|	|	|	|	4.19
1.167	0.74	**0.73**	**1.074**	**O**	I	|	|	|	|	**4.23**
1.250	0.15	0.73	1.072	O	I	|	|	|	|	4.22
1.333	0.00	0.73	1.067	O	I	|	|	|	|	4.21
1.417	0.00	0.73	1.062	O	I	|	|	|	|	4.20
1.500	0.00	0.73	1.057	O	I	|	|	|	|	4.18
1.583	0.00	0.73	1.052	O	I	|	|	|	|	4.17
1.667	0.00	0.72	1.047	O	I	|	|	|	|	4.15
1.750	0.00	0.72	1.042	O	I	|	|	|	|	4.14
1.833	0.00	0.72	1.037	O	I	|	|	|	|	4.13
1.917	0.00	0.72	1.032	O	I	|	|	|	|	4.11
2.000	0.00	0.72	1.027	O	I	|	|	|	|	4.10
2.083	0.00	0.72	1.022	O	I	|	|	|	|	4.09
2.167	0.00	0.72	1.018	O	I	|	|	|	|	4.07
2.250	0.00	0.72	1.013	O	I	|	|	|	|	4.06
2.333	0.00	0.71	1.008	O	I	|	|	|	|	4.05
2.417	0.00	0.71	1.003	O	I	|	|	|	|	4.03
2.500	0.00	0.71	0.998	O	I	|	|	|	|	4.02
2.583	0.00	0.71	0.993	O	I	|	|	|	|	4.01
2.667	0.00	0.71	0.988	O	I	|	|	|	|	3.99
2.750	0.00	0.71	0.983	O	I	|	|	|	|	3.98
2.833	0.00	0.71	0.978	O	I	|	|	|	|	3.96
2.917	0.00	0.70	0.973	O	I	|	|	|	|	3.95
3.000	0.00	0.70	0.969	O	I	|	|	|	|	3.93
3.083	0.00	0.70	0.964	O	I	|	|	|	|	3.92
3.167	0.00	0.70	0.959	O	I	|	|	|	|	3.90
3.250	0.00	0.70	0.954	O	I	|	|	|	|	3.89
3.333	0.00	0.70	0.949	O	I	|	|	|	|	3.87
3.417	0.00	0.70	0.945	O	I	|	|	|	|	3.86
3.500	0.00	0.69	0.940	O	I	|	|	|	|	3.84
3.583	0.00	0.69	0.935	O	I	|	|	|	|	3.83
3.667	0.00	0.69	0.930	O	I	|	|	|	|	3.81
3.750	0.00	0.69	0.925	O	I	|	|	|	|	3.80
3.833	0.00	0.69	0.921	O	I	|	|	|	|	3.78
3.917	0.00	0.69	0.916	O	I	|	|	|	|	3.77
4.000	0.00	0.69	0.911	O	I	|	|	|	|	3.75
4.083	0.00	0.68	0.907	O	I	|	|	|	|	3.74
4.167	0.00	0.68	0.902	O	I	|	|	|	|	3.72
4.250	0.00	0.68	0.897	O	I	|	|	|	|	3.71
4.333	0.00	0.68	0.892	O	I	|	|	|	|	3.70
4.417	0.00	0.68	0.888	O	I	|	|	|	|	3.68
4.500	0.00	0.68	0.883	O	I	|	|	|	|	3.67
4.583	0.00	0.68	0.878	O	I	|	|	|	|	3.65
4.667	0.00	0.67	0.874	O	I	|	|	|	|	3.64
4.750	0.00	0.67	0.869	O	I	|	|	|	|	3.62
4.833	0.00	0.67	0.865	O	I	|	|	|	|	3.61
4.917	0.00	0.67	0.860	O	I	|	|	|	|	3.59
5.000	0.00	0.67	0.855	O	I	|	|	|	|	3.58
5.083	0.00	0.67	0.851	O	I	|	|	|	|	3.56
5.167	0.00	0.67	0.846	O	I	|	|	|	|	3.55
5.250	0.00	0.66	0.842	O	I	|	|	|	|	3.54
5.333	0.00	0.66	0.837	O	I	|	|	|	|	3.52
5.417	0.00	0.66	0.832	O	I	|	|	|	|	3.51
5.500	0.00	0.66	0.828	O	I	|	|	|	|	3.49
5.583	0.00	0.66	0.823	O	I	|	|	|	|	3.48
5.667	0.00	0.66	0.819	O	I	|	|	|	|	3.47
5.750	0.00	0.66	0.814	O	I	|	|	|	|	3.45
5.833	0.00	0.65	0.810	O	I	|	|	|	|	3.44
5.917	0.00	0.65	0.805	O	I	|	|	|	|	3.42

6.000	0.00	0.65	0.801	O					3.41
6.083	0.00	0.65	0.796	O					3.39
6.167	0.00	0.65	0.792	O					3.38
6.250	0.00	0.65	0.787	O					3.37
6.333	0.00	0.65	0.783	O					3.35
6.417	0.00	0.64	0.779	O					3.34
6.500	0.00	0.64	0.774	O					3.33
6.583	0.00	0.64	0.770	O					3.31
6.667	0.00	0.64	0.765	O					3.30
6.750	0.00	0.64	0.761	O					3.28
6.833	0.00	0.64	0.756	O					3.27
6.917	0.00	0.64	0.752	O					3.26
7.000	0.00	0.63	0.748	O					3.24
7.083	0.00	0.63	0.743	O					3.23
7.167	0.00	0.63	0.739	O					3.22
7.250	0.00	0.63	0.735	O					3.20
7.333	0.00	0.63	0.730	O					3.19
7.417	0.00	0.63	0.726	O					3.17
7.500	0.00	0.63	0.722	O					3.16
7.583	0.00	0.62	0.717	O					3.15
7.667	0.00	0.62	0.713	O					3.13
7.750	0.00	0.62	0.709	O					3.12
7.833	0.00	0.62	0.704	O					3.11
7.917	0.00	0.62	0.700	O					3.09
8.000	0.00	0.62	0.696	O					3.08
8.083	0.00	0.62	0.692	O					3.07
8.167	0.00	0.62	0.687	O					3.05
8.250	0.00	0.61	0.683	O					3.04
8.333	0.00	0.61	0.679	O					3.03
8.417	0.00	0.61	0.675	O					3.01
8.500	0.00	0.61	0.671	O					3.00
8.583	0.00	0.61	0.666	O					2.99
8.667	0.00	0.61	0.662	O					2.97
8.750	0.00	0.60	0.658	O					2.96
8.833	0.00	0.60	0.654	O					2.94
8.917	0.00	0.60	0.650	O					2.92
9.000	0.00	0.60	0.646	O					2.91
9.083	0.00	0.60	0.641	O					2.89
9.167	0.00	0.60	0.637	O					2.88
9.250	0.00	0.59	0.633	O					2.86
9.333	0.00	0.59	0.629	O					2.85
9.417	0.00	0.59	0.625	O					2.83
9.500	0.00	0.59	0.621	O					2.82
9.583	0.00	0.59	0.617	O					2.80
9.667	0.00	0.58	0.613	O					2.79
9.750	0.00	0.58	0.609	O					2.77
9.833	0.00	0.58	0.605	O					2.76
9.917	0.00	0.58	0.601	O					2.74
10.000	0.00	0.58	0.597	O					2.73
10.083	0.00	0.58	0.593	O					2.71
10.167	0.00	0.57	0.589	O					2.70
10.250	0.00	0.57	0.585	O					2.69
10.333	0.00	0.57	0.581	O					2.67
10.417	0.00	0.57	0.577	O					2.66
10.500	0.00	0.57	0.573	O					2.64
10.583	0.00	0.57	0.569	O					2.63
10.667	0.00	0.56	0.566	O					2.61
10.750	0.00	0.56	0.562	O					2.60
10.833	0.00	0.56	0.558	O					2.58
10.917	0.00	0.56	0.554	O					2.57
11.000	0.00	0.56	0.550	O					2.56
11.083	0.00	0.56	0.546	O					2.54
11.167	0.00	0.55	0.542	O					2.53
11.250	0.00	0.55	0.539	O					2.51
11.333	0.00	0.55	0.535	O					2.50
11.417	0.00	0.55	0.531	O					2.49
11.500	0.00	0.55	0.527	O					2.47
11.583	0.00	0.54	0.524	O					2.46
11.667	0.00	0.54	0.520	O					2.44

11.750	0.00	0.54	0.516	O					2.43
11.833	0.00	0.54	0.512	O					2.42
11.917	0.00	0.54	0.509	O					2.40
12.000	0.00	0.54	0.505	O					2.39
12.083	0.00	0.53	0.501	O					2.37
12.167	0.00	0.53	0.498	O					2.36
12.250	0.00	0.53	0.494	O					2.35
12.333	0.00	0.53	0.490	O					2.33
12.417	0.00	0.53	0.487	O					2.32
12.500	0.00	0.53	0.483	O					2.31
12.583	0.00	0.53	0.479	O					2.29
12.667	0.00	0.52	0.476	O					2.28
12.750	0.00	0.52	0.472	O					2.27
12.833	0.00	0.52	0.469	O					2.25
12.917	0.00	0.52	0.465	O					2.24
13.000	0.00	0.52	0.461	O					2.23
13.083	0.00	0.52	0.458	O					2.21
13.167	0.00	0.51	0.454	O					2.20
13.250	0.00	0.51	0.451	O					2.19
13.333	0.00	0.51	0.447	O					2.17
13.417	0.00	0.51	0.444	O					2.16
13.500	0.00	0.51	0.440	O					2.15
13.583	0.00	0.51	0.437	O					2.14
13.667	0.00	0.50	0.433	O					2.12
13.750	0.00	0.50	0.430	O					2.11
13.833	0.00	0.50	0.426	O					2.10
13.917	0.00	0.50	0.423	O					2.08
14.000	0.00	0.50	0.419	O					2.07
14.083	0.00	0.50	0.416	O					2.06
14.167	0.00	0.50	0.413	O					2.05
14.250	0.00	0.49	0.409	O					2.03
14.333	0.00	0.49	0.406	O					2.02
14.417	0.00	0.49	0.402	O					2.01
14.500	0.00	0.49	0.399	O					2.00
14.583	0.00	0.49	0.396	O					1.98
14.667	0.00	0.48	0.392	O					1.96
14.750	0.00	0.48	0.389	O					1.95
14.833	0.00	0.48	0.386	O					1.93
14.917	0.00	0.48	0.382	O					1.92
15.000	0.00	0.47	0.379	O					1.91
15.083	0.00	0.47	0.376	O					1.89
15.167	0.00	0.47	0.373	O					1.88
15.250	0.00	0.47	0.369	O					1.86
15.333	0.00	0.46	0.366	O					1.85
15.417	0.00	0.46	0.363	O					1.83
15.500	0.00	0.46	0.360	O					1.82
15.583	0.00	0.46	0.357	O					1.80
15.667	0.00	0.45	0.354	O					1.79
15.750	0.00	0.45	0.350	O					1.77
15.833	0.00	0.45	0.347	O					1.76
15.917	0.00	0.45	0.344	O					1.75
16.000	0.00	0.44	0.341	O					1.73
16.083	0.00	0.44	0.338	O					1.72
16.167	0.00	0.44	0.335	O					1.70
16.250	0.00	0.44	0.332	O					1.69
16.333	0.00	0.44	0.329	O					1.68
16.417	0.00	0.43	0.326	O					1.66
16.500	0.00	0.43	0.323	O					1.65
16.583	0.00	0.43	0.320	O					1.64
16.667	0.00	0.43	0.317	O					1.62
16.750	0.00	0.42	0.314	O					1.61
16.833	0.00	0.42	0.311	O					1.60
16.917	0.00	0.42	0.308	O					1.58
17.000	0.00	0.42	0.306	O					1.57
17.083	0.00	0.41	0.303	O					1.56
17.167	0.00	0.41	0.300	O					1.54
17.250	0.00	0.41	0.297	O					1.53
17.333	0.00	0.41	0.294	O					1.52
17.417	0.00	0.41	0.291	O					1.51

17.500	0.00	0.40	0.289	O					1.49
17.583	0.00	0.40	0.286	O					1.48
17.667	0.00	0.40	0.283	O					1.47
17.750	0.00	0.40	0.280	O					1.46
17.833	0.00	0.40	0.278	O					1.44
17.917	0.00	0.39	0.275	O					1.43
18.000	0.00	0.39	0.272	O					1.42
18.083	0.00	0.39	0.270	O					1.41
18.167	0.00	0.39	0.267	O					1.39
18.250	0.00	0.39	0.264	O					1.38
18.333	0.00	0.38	0.262	O					1.37
18.417	0.00	0.38	0.259	O					1.36
18.500	0.00	0.38	0.256	O					1.35
18.583	0.00	0.38	0.254	O					1.33
18.667	0.00	0.37	0.251	O					1.32
18.750	0.00	0.37	0.249	O					1.31
18.833	0.00	0.37	0.246	O					1.30
18.917	0.00	0.37	0.243	O					1.29
19.000	0.00	0.37	0.241	O					1.28
19.083	0.00	0.37	0.238	O					1.27
19.167	0.00	0.36	0.236	O					1.25
19.250	0.00	0.36	0.233	O					1.24
19.333	0.00	0.36	0.231	O					1.23
19.417	0.00	0.36	0.228	O					1.22
19.500	0.00	0.36	0.226	O					1.21
19.583	0.00	0.35	0.223	O					1.20
19.667	0.00	0.35	0.221	O					1.19
19.750	0.00	0.35	0.219	O					1.18
19.833	0.00	0.35	0.216	O					1.16
19.917	0.00	0.35	0.214	O					1.15
20.000	0.00	0.34	0.211	O					1.14
20.083	0.00	0.34	0.209	O					1.13
20.167	0.00	0.34	0.207	O					1.12
20.250	0.00	0.34	0.204	O					1.11
20.333	0.00	0.34	0.202	O					1.10
20.417	0.00	0.34	0.200	O					1.09
20.500	0.00	0.33	0.197	O					1.08
20.583	0.00	0.33	0.195	O					1.07
20.667	0.00	0.33	0.193	O					1.06
20.750	0.00	0.33	0.191	O					1.05
20.833	0.00	0.33	0.188	O					1.04
20.917	0.00	0.32	0.186	O					1.03
21.000	0.00	0.32	0.184	O					1.02
21.083	0.00	0.32	0.182	O					1.01
21.167	0.00	0.32	0.179	O					1.00
21.250	0.00	0.32	0.177	O					0.99
21.333	0.00	0.31	0.175	O					0.97
21.417	0.00	0.31	0.173	O					0.96
21.500	0.00	0.30	0.171	O					0.95
21.583	0.00	0.30	0.169	O					0.94
21.667	0.00	0.30	0.167	O					0.93
21.750	0.00	0.29	0.165	O					0.92
21.833	0.00	0.29	0.163	O					0.90
21.917	0.00	0.29	0.161	O					0.89
22.000	0.00	0.28	0.159	O					0.88
22.083	0.00	0.28	0.157	O					0.87
22.167	0.00	0.28	0.155	O					0.86
22.250	0.00	0.27	0.153	O					0.85
22.333	0.00	0.27	0.151	O					0.84
22.417	0.00	0.27	0.149	O					0.83
22.500	0.00	0.26	0.148	O					0.82
22.583	0.00	0.26	0.146	O					0.81
22.667	0.00	0.26	0.144	O					0.80
22.750	0.00	0.25	0.142	O					0.79
22.833	0.00	0.25	0.141	O					0.78
22.917	0.00	0.25	0.139	O					0.77
23.000	0.00	0.24	0.137	O					0.76
23.083	0.00	0.24	0.135	O					0.75
23.167	0.00	0.24	0.134	O					0.74

23.250	0.00	0.23	0.132	O	|	|	|	|	0.73
23.333	0.00	0.23	0.131	O	|	|	|	|	0.73
23.417	0.00	0.23	0.129	O	|	|	|	|	0.72
23.500	0.00	0.23	0.127	O	|	|	|	|	0.71
23.583	0.00	0.22	0.126	O	|	|	|	|	0.70
23.667	0.00	0.22	0.124	O	|	|	|	|	0.69
23.750	0.00	0.22	0.123	O	|	|	|	|	0.68
23.833	0.00	0.22	0.121	O	|	|	|	|	0.67
23.917	0.00	0.21	0.120	O	|	|	|	|	0.67
24.000	0.00	0.21	0.118	O	|	|	|	|	0.66
24.083	0.00	0.21	0.117	O	|	|	|	|	0.65
24.167	0.00	0.21	0.116	O	|	|	|	|	0.64
24.250	0.00	0.20	0.114	O	|	|	|	|	0.63
24.333	0.00	0.20	0.113	O	|	|	|	|	0.63
24.417	0.00	0.20	0.111	O	|	|	|	|	0.62
24.500	0.00	0.20	0.110	O	|	|	|	|	0.61
24.583	0.00	0.19	0.109	O	|	|	|	|	0.60
24.667	0.00	0.19	0.107	O	|	|	|	|	0.60
24.750	0.00	0.19	0.106	O	|	|	|	|	0.59
24.833	0.00	0.19	0.105	O	|	|	|	|	0.58
24.917	0.00	0.18	0.103	O	|	|	|	|	0.57
25.000	0.00	0.18	0.102	O	|	|	|	|	0.57
25.083	0.00	0.18	0.101	O	|	|	|	|	0.56
25.167	0.00	0.18	0.100	O	|	|	|	|	0.55
25.250	0.00	0.18	0.099	O	|	|	|	|	0.55
25.333	0.00	0.17	0.097	O	|	|	|	|	0.54
25.417	0.00	0.17	0.096	O	|	|	|	|	0.53
25.500	0.00	0.17	0.095	O	|	|	|	|	0.53
25.583	0.00	0.17	0.094	O	|	|	|	|	0.52
25.667	0.00	0.16	0.093	O	|	|	|	|	0.51
25.750	0.00	0.16	0.092	O	|	|	|	|	0.51
25.833	0.00	0.16	0.090	O	|	|	|	|	0.50
25.917	0.00	0.16	0.089	O	|	|	|	|	0.50
26.000	0.00	0.16	0.088	O	|	|	|	|	0.49
26.083	0.00	0.15	0.087	O	|	|	|	|	0.48
26.167	0.00	0.15	0.086	O	|	|	|	|	0.48
26.250	0.00	0.15	0.085	O	|	|	|	|	0.47
26.333	0.00	0.15	0.084	O	|	|	|	|	0.47
26.417	0.00	0.15	0.083	O	|	|	|	|	0.46
26.500	0.00	0.15	0.082	O	|	|	|	|	0.46
26.583	0.00	0.14	0.081	O	|	|	|	|	0.45
26.667	0.00	0.14	0.080	O	|	|	|	|	0.44
26.750	0.00	0.14	0.079	O	|	|	|	|	0.44
26.833	0.00	0.14	0.078	O	|	|	|	|	0.43
26.917	0.00	0.14	0.077	O	|	|	|	|	0.43
27.000	0.00	0.14	0.076	O	|	|	|	|	0.42
27.083	0.00	0.13	0.075	O	|	|	|	|	0.42
27.167	0.00	0.13	0.074	O	|	|	|	|	0.41
27.250	0.00	0.13	0.073	O	|	|	|	|	0.41
27.333	0.00	0.13	0.073	O	|	|	|	|	0.40
27.417	0.00	0.13	0.072	O	|	|	|	|	0.40
27.500	0.00	0.13	0.071	O	|	|	|	|	0.39
27.583	0.00	0.12	0.070	O	|	|	|	|	0.39
27.667	0.00	0.12	0.069	O	|	|	|	|	0.38
27.750	0.00	0.12	0.068	O	|	|	|	|	0.38
27.833	0.00	0.12	0.067	O	|	|	|	|	0.37
27.917	0.00	0.12	0.067	O	|	|	|	|	0.37
28.000	0.00	0.12	0.066	O	|	|	|	|	0.37
28.083	0.00	0.12	0.065	O	|	|	|	|	0.36
28.167	0.00	0.11	0.064	O	|	|	|	|	0.36
28.250	0.00	0.11	0.063	O	|	|	|	|	0.35
28.333	0.00	0.11	0.063	O	|	|	|	|	0.35
28.417	0.00	0.11	0.062	O	|	|	|	|	0.34
28.500	0.00	0.11	0.061	O	|	|	|	|	0.34
28.583	0.00	0.11	0.060	O	|	|	|	|	0.34
28.667	0.00	0.11	0.060	O	|	|	|	|	0.33
28.750	0.00	0.10	0.059	O	|	|	|	|	0.33
28.833	0.00	0.10	0.058	O	|	|	|	|	0.32
28.917	0.00	0.10	0.057	O	|	|	|	|	0.32

29.000	0.00	0.10	0.057	O	|	|	|	|	0.32
29.083	0.00	0.10	0.056	O	|	|	|	|	0.31
29.167	0.00	0.10	0.055	O	|	|	|	|	0.31
29.250	0.00	0.10	0.055	O	|	|	|	|	0.30
29.333	0.00	0.10	0.054	O	|	|	|	|	0.30
29.417	0.00	0.09	0.053	O	|	|	|	|	0.30
29.500	0.00	0.09	0.053	O	|	|	|	|	0.29
29.583	0.00	0.09	0.052	O	|	|	|	|	0.29
29.667	0.00	0.09	0.051	O	|	|	|	|	0.29
29.750	0.00	0.09	0.051	O	|	|	|	|	0.28
29.833	0.00	0.09	0.050	O	|	|	|	|	0.28
29.917	0.00	0.09	0.050	O	|	|	|	|	0.28
30.000	0.00	0.09	0.049	O	|	|	|	|	0.27
30.083	0.00	0.09	0.048	O	|	|	|	|	0.27
30.167	0.00	0.09	0.048	O	|	|	|	|	0.27
30.250	0.00	0.08	0.047	O	|	|	|	|	0.26
30.333	0.00	0.08	0.047	O	|	|	|	|	0.26
30.417	0.00	0.08	0.046	O	|	|	|	|	0.26
30.500	0.00	0.08	0.046	O	|	|	|	|	0.25
30.583	0.00	0.08	0.045	O	|	|	|	|	0.25
30.667	0.00	0.08	0.044	O	|	|	|	|	0.25
30.750	0.00	0.08	0.044	O	|	|	|	|	0.24
30.833	0.00	0.08	0.043	O	|	|	|	|	0.24
30.917	0.00	0.08	0.043	O	|	|	|	|	0.24
31.000	0.00	0.08	0.042	O	|	|	|	|	0.24
31.083	0.00	0.07	0.042	O	|	|	|	|	0.23
31.167	0.00	0.07	0.041	O	|	|	|	|	0.23
31.250	0.00	0.07	0.041	O	|	|	|	|	0.23
31.333	0.00	0.07	0.040	O	|	|	|	|	0.22
31.417	0.00	0.07	0.040	O	|	|	|	|	0.22
31.500	0.00	0.07	0.039	O	|	|	|	|	0.22
31.583	0.00	0.07	0.039	O	|	|	|	|	0.22
31.667	0.00	0.07	0.038	O	|	|	|	|	0.21
31.750	0.00	0.07	0.038	O	|	|	|	|	0.21
31.833	0.00	0.07	0.037	O	|	|	|	|	0.21
31.917	0.00	0.07	0.037	O	|	|	|	|	0.21
32.000	0.00	0.06	0.037	O	|	|	|	|	0.20
32.083	0.00	0.06	0.036	O	|	|	|	|	0.20
32.167	0.00	0.06	0.036	O	|	|	|	|	0.20
32.250	0.00	0.06	0.035	O	|	|	|	|	0.20
32.333	0.00	0.06	0.035	O	|	|	|	|	0.19
32.417	0.00	0.06	0.034	O	|	|	|	|	0.19
32.500	0.00	0.06	0.034	O	|	|	|	|	0.19
32.583	0.00	0.06	0.034	O	|	|	|	|	0.19
32.667	0.00	0.06	0.033	O	|	|	|	|	0.18
32.750	0.00	0.06	0.033	O	|	|	|	|	0.18
32.833	0.00	0.06	0.032	O	|	|	|	|	0.18
32.917	0.00	0.06	0.032	O	|	|	|	|	0.18
33.000	0.00	0.06	0.032	O	|	|	|	|	0.18
33.083	0.00	0.06	0.031	O	|	|	|	|	0.17
33.167	0.00	0.05	0.031	O	|	|	|	|	0.17
33.250	0.00	0.05	0.030	O	|	|	|	|	0.17
33.333	0.00	0.05	0.030	O	|	|	|	|	0.17
33.417	0.00	0.05	0.030	O	|	|	|	|	0.16
33.500	0.00	0.05	0.029	O	|	|	|	|	0.16
33.583	0.00	0.05	0.029	O	|	|	|	|	0.16
33.667	0.00	0.05	0.029	O	|	|	|	|	0.16
33.750	0.00	0.05	0.028	O	|	|	|	|	0.16
33.833	0.00	0.05	0.028	O	|	|	|	|	0.16
33.917	0.00	0.05	0.028	O	|	|	|	|	0.15
34.000	0.00	0.05	0.027	O	|	|	|	|	0.15
34.083	0.00	0.05	0.027	O	|	|	|	|	0.15
34.167	0.00	0.05	0.027	O	|	|	|	|	0.15
34.250	0.00	0.05	0.026	O	|	|	|	|	0.15
34.333	0.00	0.05	0.026	O	|	|	|	|	0.14
34.417	0.00	0.05	0.026	O	|	|	|	|	0.14
34.500	0.00	0.04	0.025	O	|	|	|	|	0.14
34.583	0.00	0.04	0.025	O	|	|	|	|	0.14
34.667	0.00	0.04	0.025	O	|	|	|	|	0.14

34.750	0.00	0.04	0.024	O					0.14
34.833	0.00	0.04	0.024	O					0.13
34.917	0.00	0.04	0.024	O					0.13
35.000	0.00	0.04	0.024	O					0.13
35.083	0.00	0.04	0.023	O					0.13
35.167	0.00	0.04	0.023	O					0.13
35.250	0.00	0.04	0.023	O					0.13
35.333	0.00	0.04	0.022	O					0.12
35.417	0.00	0.04	0.022	O					0.12
35.500	0.00	0.04	0.022	O					0.12
35.583	0.00	0.04	0.022	O					0.12
35.667	0.00	0.04	0.021	O					0.12
35.750	0.00	0.04	0.021	O					0.12
35.833	0.00	0.04	0.021	O					0.12
35.917	0.00	0.04	0.021	O					0.11
36.000	0.00	0.04	0.020	O					0.11
36.083	0.00	0.04	0.020	O					0.11
36.167	0.00	0.04	0.020	O					0.11
36.250	0.00	0.03	0.020	O					0.11
36.333	0.00	0.03	0.019	O					0.11
36.417	0.00	0.03	0.019	O					0.11
36.500	0.00	0.03	0.019	O					0.10
36.583	0.00	0.03	0.019	O					0.10
36.667	0.00	0.03	0.018	O					0.10
36.750	0.00	0.03	0.018	O					0.10
36.833	0.00	0.03	0.018	O					0.10
36.917	0.00	0.03	0.018	O					0.10
37.000	0.00	0.03	0.018	O					0.10
37.083	0.00	0.03	0.017	O					0.10
37.167	0.00	0.03	0.017	O					0.10
37.250	0.00	0.03	0.017	O					0.09
37.333	0.00	0.03	0.017	O					0.09
37.417	0.00	0.03	0.016	O					0.09
37.500	0.00	0.03	0.016	O					0.09
37.583	0.00	0.03	0.016	O					0.09
37.667	0.00	0.03	0.016	O					0.09
37.750	0.00	0.03	0.016	O					0.09
37.833	0.00	0.03	0.016	O					0.09
37.917	0.00	0.03	0.015	O					0.09
38.000	0.00	0.03	0.015	O					0.08
38.083	0.00	0.03	0.015	O					0.08
38.167	0.00	0.03	0.015	O					0.08
38.250	0.00	0.03	0.015	O					0.08
38.333	0.00	0.03	0.014	O					0.08
38.417	0.00	0.03	0.014	O					0.08
38.500	0.00	0.02	0.014	O					0.08
38.583	0.00	0.02	0.014	O					0.08
38.667	0.00	0.02	0.014	O					0.08
38.750	0.00	0.02	0.014	O					0.08
38.833	0.00	0.02	0.013	O					0.07
38.917	0.00	0.02	0.013	O					0.07
39.000	0.00	0.02	0.013	O					0.07
39.083	0.00	0.02	0.013	O					0.07
39.167	0.00	0.02	0.013	O					0.07
39.250	0.00	0.02	0.013	O					0.07
39.333	0.00	0.02	0.012	O					0.07
39.417	0.00	0.02	0.012	O					0.07
39.500	0.00	0.02	0.012	O					0.07
39.583	0.00	0.02	0.012	O					0.07
39.667	0.00	0.02	0.012	O					0.07
39.750	0.00	0.02	0.012	O					0.07
39.833	0.00	0.02	0.012	O					0.06
39.917	0.00	0.02	0.011	O					0.06
40.000	0.00	0.02	0.011	O					0.06
40.083	0.00	0.02	0.011	O					0.06
40.167	0.00	0.02	0.011	O					0.06
40.250	0.00	0.02	0.011	O					0.06
40.333	0.00	0.02	0.011	O					0.06
40.417	0.00	0.02	0.011	O					0.06

40.500	0.00	0.02	0.010	O					0.06
40.583	0.00	0.02	0.010	O					0.06
40.667	0.00	0.02	0.010	O					0.06
40.750	0.00	0.02	0.010	O					0.06
40.833	0.00	0.02	0.010	O					0.06
40.917	0.00	0.02	0.010	O					0.05
41.000	0.00	0.02	0.010	O					0.05
41.083	0.00	0.02	0.010	O					0.05
41.167	0.00	0.02	0.010	O					0.05
41.250	0.00	0.02	0.009	O					0.05
41.333	0.00	0.02	0.009	O					0.05
41.417	0.00	0.02	0.009	O					0.05
41.500	0.00	0.02	0.009	O					0.05
41.583	0.00	0.02	0.009	O					0.05
41.667	0.00	0.02	0.009	O					0.05
41.750	0.00	0.02	0.009	O					0.05
41.833	0.00	0.02	0.009	O					0.05
41.917	0.00	0.02	0.009	O					0.05
42.000	0.00	0.01	0.008	O					0.05
42.083	0.00	0.01	0.008	O					0.05
42.167	0.00	0.01	0.008	O					0.05
42.250	0.00	0.01	0.008	O					0.05
42.333	0.00	0.01	0.008	O					0.04
42.417	0.00	0.01	0.008	O					0.04
42.500	0.00	0.01	0.008	O					0.04
42.583	0.00	0.01	0.008	O					0.04
42.667	0.00	0.01	0.008	O					0.04
42.750	0.00	0.01	0.008	O					0.04
42.833	0.00	0.01	0.007	O					0.04
42.917	0.00	0.01	0.007	O					0.04
43.000	0.00	0.01	0.007	O					0.04
43.083	0.00	0.01	0.007	O					0.04
43.167	0.00	0.01	0.007	O					0.04
43.250	0.00	0.01	0.007	O					0.04
43.333	0.00	0.01	0.007	O					0.04
43.417	0.00	0.01	0.007	O					0.04
43.500	0.00	0.01	0.007	O					0.04
43.583	0.00	0.01	0.007	O					0.04
43.667	0.00	0.01	0.007	O					0.04
43.750	0.00	0.01	0.007	O					0.04
43.833	0.00	0.01	0.006	O					0.04
43.917	0.00	0.01	0.006	O					0.04
44.000	0.00	0.01	0.006	O					0.03
44.083	0.00	0.01	0.006	O					0.03
44.167	0.00	0.01	0.006	O					0.03
44.250	0.00	0.01	0.006	O					0.03
44.333	0.00	0.01	0.006	O					0.03
44.417	0.00	0.01	0.006	O					0.03
44.500	0.00	0.01	0.006	O					0.03
44.583	0.00	0.01	0.006	O					0.03
44.667	0.00	0.01	0.006	O					0.03
44.750	0.00	0.01	0.006	O					0.03
44.833	0.00	0.01	0.006	O					0.03
44.917	0.00	0.01	0.005	O					0.03
45.000	0.00	0.01	0.005	O					0.03
45.083	0.00	0.01	0.005	O					0.03
45.167	0.00	0.01	0.005	O					0.03
45.250	0.00	0.01	0.005	O					0.03
45.333	0.00	0.01	0.005	O					0.03
45.417	0.00	0.01	0.005	O					0.03
45.500	0.00	0.01	0.005	O					0.03
45.583	0.00	0.01	0.005	O					0.03
45.667	0.00	0.01	0.005	O					0.03
45.750	0.00	0.01	0.005	O					0.03
45.833	0.00	0.01	0.005	O					0.03
45.917	0.00	0.01	0.005	O					0.03
46.000	0.00	0.01	0.005	O					0.03
46.083	0.00	0.01	0.005	O					0.03
46.167	0.00	0.01	0.005	O					0.03

46.250	0.00	0.01	0.005	O					0.03
46.333	0.00	0.01	0.004	O					0.02
46.417	0.00	0.01	0.004	O					0.02
46.500	0.00	0.01	0.004	O					0.02
46.583	0.00	0.01	0.004	O					0.02
46.667	0.00	0.01	0.004	O					0.02
46.750	0.00	0.01	0.004	O					0.02
46.833	0.00	0.01	0.004	O					0.02
46.917	0.00	0.01	0.004	O					0.02
47.000	0.00	0.01	0.004	O					0.02
47.083	0.00	0.01	0.004	O					0.02
47.167	0.00	0.01	0.004	O					0.02
47.250	0.00	0.01	0.004	O					0.02
47.333	0.00	0.01	0.004	O					0.02
47.417	0.00	0.01	0.004	O					0.02
47.500	0.00	0.01	0.004	O					0.02
47.583	0.00	0.01	0.004	O					0.02
47.667	0.00	0.01	0.004	O					0.02
47.750	0.00	0.01	0.004	O					0.02
47.833	0.00	0.01	0.004	O					0.02
47.917	0.00	0.01	0.004	O					0.02
48.000	0.00	0.01	0.003	O					0.02
48.083	0.00	0.01	0.003	O					0.02
48.167	0.00	0.01	0.003	O					0.02
48.250	0.00	0.01	0.003	O					0.02
48.333	0.00	0.01	0.003	O					0.02
48.417	0.00	0.01	0.003	O					0.02
48.500	0.00	0.01	0.003	O					0.02
48.583	0.00	0.01	0.003	O					0.02
48.667	0.00	0.01	0.003	O					0.02
48.750	0.00	0.01	0.003	O					0.02
48.833	0.00	0.01	0.003	O					0.02
48.917	0.00	0.01	0.003	O					0.02
49.000	0.00	0.01	0.003	O					0.02
49.083	0.00	0.01	0.003	O					0.02
49.167	0.00	0.01	0.003	O					0.02
49.250	0.00	0.01	0.003	O					0.02
49.333	0.00	0.01	0.003	O					0.02
49.417	0.00	0.01	0.003	O					0.02
49.500	0.00	0.00	0.003	O					0.02
49.583	0.00	0.00	0.003	O					0.02
49.667	0.00	0.00	0.003	O					0.02
49.750	0.00	0.00	0.003	O					0.01
49.833	0.00	0.00	0.003	O					0.01
49.917	0.00	0.00	0.003	O					0.01
50.000	0.00	0.00	0.003	O					0.01
50.083	0.00	0.00	0.003	O					0.01
50.167	0.00	0.00	0.003	O					0.01
50.250	0.00	0.00	0.003	O					0.01
50.333	0.00	0.00	0.002	O					0.01
50.417	0.00	0.00	0.002	O					0.01
50.500	0.00	0.00	0.002	O					0.01
50.583	0.00	0.00	0.002	O					0.01
50.667	0.00	0.00	0.002	O					0.01
50.750	0.00	0.00	0.002	O					0.01
50.833	0.00	0.00	0.002	O					0.01
50.917	0.00	0.00	0.002	O					0.01
51.000	0.00	0.00	0.002	O					0.01
51.083	0.00	0.00	0.002	O					0.01
51.167	0.00	0.00	0.002	O					0.01
51.250	0.00	0.00	0.002	O					0.01
51.333	0.00	0.00	0.002	O					0.01
51.417	0.00	0.00	0.002	O					0.01
51.500	0.00	0.00	0.002	O					0.01
51.583	0.00	0.00	0.002	O					0.01
51.667	0.00	0.00	0.002	O					0.01
51.750	0.00	0.00	0.002	O					0.01
51.833	0.00	0.00	0.002	O					0.01
51.917	0.00	0.00	0.002	O					0.01

52.000	0.00	0.00	0.002	O					0.01
52.083	0.00	0.00	0.002	O					0.01
52.167	0.00	0.00	0.002	O					0.01
52.250	0.00	0.00	0.002	O					0.01
52.333	0.00	0.00	0.002	O					0.01
52.417	0.00	0.00	0.002	O					0.01
52.500	0.00	0.00	0.002	O					0.01
52.583	0.00	0.00	0.002	O					0.01
52.667	0.00	0.00	0.002	O					0.01
52.750	0.00	0.00	0.002	O					0.01
52.833	0.00	0.00	0.002	O					0.01
52.917	0.00	0.00	0.002	O					0.01
53.000	0.00	0.00	0.002	O					0.01
53.083	0.00	0.00	0.002	O					0.01
53.167	0.00	0.00	0.002	O					0.01
53.250	0.00	0.00	0.002	O					0.01
53.333	0.00	0.00	0.002	O					0.01
53.417	0.00	0.00	0.002	O					0.01
53.500	0.00	0.00	0.002	O					0.01
53.583	0.00	0.00	0.002	O					0.01
53.667	0.00	0.00	0.002	O					0.01
53.750	0.00	0.00	0.001	O					0.01
53.833	0.00	0.00	0.001	O					0.01
53.917	0.00	0.00	0.001	O					0.01
54.000	0.00	0.00	0.001	O					0.01
54.083	0.00	0.00	0.001	O					0.01
54.167	0.00	0.00	0.001	O					0.01
54.250	0.00	0.00	0.001	O					0.01
54.333	0.00	0.00	0.001	O					0.01
54.417	0.00	0.00	0.001	O					0.01
54.500	0.00	0.00	0.001	O					0.01
54.583	0.00	0.00	0.001	O					0.01
54.667	0.00	0.00	0.001	O					0.01
54.750	0.00	0.00	0.001	O					0.01
54.833	0.00	0.00	0.001	O					0.01
54.917	0.00	0.00	0.001	O					0.01
55.000	0.00	0.00	0.001	O					0.01
55.083	0.00	0.00	0.001	O					0.01
55.167	0.00	0.00	0.001	O					0.01
55.250	0.00	0.00	0.001	O					0.01
55.333	0.00	0.00	0.001	O					0.01
55.417	0.00	0.00	0.001	O					0.01
55.500	0.00	0.00	0.001	O					0.01
55.583	0.00	0.00	0.001	O					0.01
55.667	0.00	0.00	0.001	O					0.01
55.750	0.00	0.00	0.001	O					0.01
55.833	0.00	0.00	0.001	O					0.01
55.917	0.00	0.00	0.001	O					0.01
56.000	0.00	0.00	0.001	O					0.01
56.083	0.00	0.00	0.001	O					0.01
56.167	0.00	0.00	0.001	O					0.01
56.250	0.00	0.00	0.001	O					0.01
56.333	0.00	0.00	0.001	O					0.01
56.417	0.00	0.00	0.001	O					0.01
56.500	0.00	0.00	0.001	O					0.01
56.583	0.00	0.00	0.001	O					0.01
56.667	0.00	0.00	0.001	O					0.01
56.750	0.00	0.00	0.001	O					0.01
56.833	0.00	0.00	0.001	O					0.01
56.917	0.00	0.00	0.001	O					0.01
57.000	0.00	0.00	0.001	O					0.01
57.083	0.00	0.00	0.001	O					0.01
57.167	0.00	0.00	0.001	O					0.01
57.250	0.00	0.00	0.001	O					0.00
57.333	0.00	0.00	0.001	O					0.00
57.417	0.00	0.00	0.001	O					0.00
57.500	0.00	0.00	0.001	O					0.00
57.583	0.00	0.00	0.001	O					0.00
57.667	0.00	0.00	0.001	O					0.00

57.750	0.00	0.00	0.001	O	|	|	|	|	0.00
57.833	0.00	0.00	0.001	O	|	|	|	|	0.00
57.917	0.00	0.00	0.001	O	|	|	|	|	0.00
58.000	0.00	0.00	0.001	O	|	|	|	|	0.00
58.083	0.00	0.00	0.001	O	|	|	|	|	0.00
58.167	0.00	0.00	0.001	O	|	|	|	|	0.00
58.250	0.00	0.00	0.001	O	|	|	|	|	0.00
58.333	0.00	0.00	0.001	O	|	|	|	|	0.00
58.417	0.00	0.00	0.001	O	|	|	|	|	0.00
58.500	0.00	0.00	0.001	O	|	|	|	|	0.00
58.583	0.00	0.00	0.001	O	|	|	|	|	0.00
58.667	0.00	0.00	0.001	O	|	|	|	|	0.00
58.750	0.00	0.00	0.001	O	|	|	|	|	0.00
58.833	0.00	0.00	0.001	O	|	|	|	|	0.00
58.917	0.00	0.00	0.001	O	|	|	|	|	0.00
59.000	0.00	0.00	0.001	O	|	|	|	|	0.00
59.083	0.00	0.00	0.001	O	|	|	|	|	0.00
59.167	0.00	0.00	0.001	O	|	|	|	|	0.00
59.250	0.00	0.00	0.001	O	|	|	|	|	0.00
59.333	0.00	0.00	0.001	O	|	|	|	|	0.00
59.417	0.00	0.00	0.001	O	|	|	|	|	0.00
59.500	0.00	0.00	0.001	O	|	|	|	|	0.00
59.583	0.00	0.00	0.001	O	|	|	|	|	0.00
59.667	0.00	0.00	0.001	O	|	|	|	|	0.00
59.750	0.00	0.00	0.001	O	|	|	|	|	0.00
59.833	0.00	0.00	0.001	O	|	|	|	|	0.00
59.917	0.00	0.00	0.001	O	|	|	|	|	0.00
60.000	0.00	0.00	0.001	O	|	|	|	|	0.00
60.083	0.00	0.00	0.001	O	|	|	|	|	0.00
60.167	0.00	0.00	0.001	O	|	|	|	|	0.00
60.250	0.00	0.00	0.001	O	|	|	|	|	0.00
60.333	0.00	0.00	0.001	O	|	|	|	|	0.00
60.417	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 725
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.730 (CFS)
Total volume = 1.111 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/10/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRD310.rte
**********HYDROGRAPH DATA**********
Number of intervals = 39
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 23.284 (CFS)
Total volume = 1.581 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN D- ROUTING
10YR-3HR STORM

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 39
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.180	0.320	0.179	0.181
2.000	0.400	0.490	0.398	0.402
3.000	0.670	0.610	0.668	0.672
4.000	0.990	0.710	0.988	0.992
5.000	1.360	0.800	1.357	1.363
6.000	1.770	0.880	1.767	1.773
7.000	2.250	7.770	2.223	2.277
8.000	2.780	12.820	2.736	2.824
9.000	3.370	16.310	3.314	3.426
10.000	4.020	85.760	3.725	4.315

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time	Inflow	Outflow	Storage	Depth

(Hours)	(CFS)	(CFS)	(Ac.Ft)	.0 5.8 11.64 17.46 23.28	(Ft.)
0.083	1.02	0.01	0.004	OI	0.02
0.167	1.99	0.02	0.014	O I	0.08
0.250	2.02	0.05	0.027	O I	0.15
0.333	2.28	0.07	0.042	O I	0.23
0.417	2.55	0.10	0.058	O I	0.32
0.500	2.83	0.13	0.075	O I	0.42
0.583	2.84	0.17	0.094	O I	0.52
0.667	2.90	0.20	0.112	O I	0.62
0.750	3.10	0.23	0.132	O I	0.73
0.833	2.89	0.27	0.150	O I	0.84
0.917	2.76	0.30	0.168	O I	0.93
1.000	2.95	0.32	0.185	O I	1.02
1.083	3.41	0.34	0.205	O I	1.11
1.167	3.74	0.36	0.227	O I	1.21
1.250	3.81	0.37	0.251	O I	1.32
1.333	3.68	0.39	0.274	O I	1.43
1.417	4.13	0.41	0.298	O I	1.54
1.500	4.83	0.43	0.326	O I	1.66
1.583	4.64	0.46	0.356	O I	1.80
1.667	4.75	0.48	0.385	O I	1.93
1.750	6.12	0.50	0.419	O I	2.07
1.833	6.79	0.52	0.460	O I	2.22
1.917	6.36	0.54	0.501	O I	2.38
2.000	6.23	0.55	0.541	O I	2.52
2.083	6.47	0.57	0.581	O I	2.67
2.167	8.49	0.59	0.628	O I	2.85
2.250	11.66	0.62	0.694	O I	3.07
2.333	10.76	0.64	0.767	O I	3.30
2.417	14.36	0.67	0.849	O I	3.56
2.500	20.13	0.70	0.963	O I	3.91
2.583	23.28	0.74	1.107	O I	4.32
2.667	21.46	0.77	1.256	O I	4.72
2.750	11.94	0.80	1.366	O I	5.01
2.833	5.34	0.81	1.420	O I	5.15
2.917	3.71	0.82	1.445	O I	5.21
3.000	2.21	0.82	1.460	O I	5.24
3.083	0.83	**0.82**	**1.465**	**O**	**5.26**
3.167	0.21	0.82	1.463	IO	5.25
3.250	0.04	0.82	1.458	IO	5.24
3.333	0.00	0.82	1.452	IO	5.23
3.417	0.00	0.82	1.447	IO	5.21
3.500	0.00	0.82	1.441	IO	5.20
3.583	0.00	0.81	1.435	IO	5.18
3.667	0.00	0.81	1.430	IO	5.17
3.750	0.00	0.81	1.424	IO	5.16
3.833	0.00	0.81	1.419	IO	5.14
3.917	0.00	0.81	1.413	IO	5.13
4.000	0.00	0.81	1.408	IO	5.12
4.083	0.00	0.81	1.402	IO	5.10
4.167	0.00	0.81	1.396	IO	5.09
4.250	0.00	0.81	1.391	IO	5.08
4.333	0.00	0.80	1.385	IO	5.06
4.417	0.00	0.80	1.380	IO	5.05
4.500	0.00	0.80	1.374	IO	5.03
4.583	0.00	0.80	1.369	IO	5.02
4.667	0.00	0.80	1.363	IO	5.01
4.750	0.00	0.80	1.358	IO	4.99
4.833	0.00	0.80	1.352	IO	4.98
4.917	0.00	0.80	1.347	IO	4.96
5.000	0.00	0.80	1.341	IO	4.95
5.083	0.00	0.79	1.336	IO	4.93
5.167	0.00	0.79	1.330	IO	4.92
5.250	0.00	0.79	1.325	IO	4.90
5.333	0.00	0.79	1.319	IO	4.89
5.417	0.00	0.79	1.314	IO	4.88
5.500	0.00	0.79	1.308	IO	4.86
5.583	0.00	0.79	1.303	IO	4.85
5.667	0.00	0.78	1.298	IO	4.83

5.750	0.00	0.78	1.292	IO				4.82
5.833	0.00	0.78	1.287	IO				4.80
5.917	0.00	0.78	1.281	IO				4.79
6.000	0.00	0.78	1.276	IO				4.77
6.083	0.00	0.78	1.271	IO				4.76
6.167	0.00	0.78	1.265	IO				4.74
6.250	0.00	0.78	1.260	IO				4.73
6.333	0.00	0.77	1.255	IO				4.72
6.417	0.00	0.77	1.249	IO				4.70
6.500	0.00	0.77	1.244	IO				4.69
6.583	0.00	0.77	1.239	IO				4.67
6.667	0.00	0.77	1.233	IO				4.66
6.750	0.00	0.77	1.228	IO				4.64
6.833	0.00	0.77	1.223	IO				4.63
6.917	0.00	0.77	1.218	IO				4.62
7.000	0.00	0.76	1.212	IO				4.60
7.083	0.00	0.76	1.207	IO				4.59
7.167	0.00	0.76	1.202	IO				4.57
7.250	0.00	0.76	1.197	IO				4.56
7.333	0.00	0.76	1.191	IO				4.54
7.417	0.00	0.76	1.186	IO				4.53
7.500	0.00	0.76	1.181	IO				4.52
7.583	0.00	0.76	1.176	IO				4.50
7.667	0.00	0.75	1.170	IO				4.49
7.750	0.00	0.75	1.165	IO				4.47
7.833	0.00	0.75	1.160	IO				4.46
7.917	0.00	0.75	1.155	IO				4.45
8.000	0.00	0.75	1.150	IO				4.43
8.083	0.00	0.75	1.145	IO				4.42
8.167	0.00	0.75	1.139	IO				4.40
8.250	0.00	0.75	1.134	IO				4.39
8.333	0.00	0.74	1.129	IO				4.38
8.417	0.00	0.74	1.124	IO				4.36
8.500	0.00	0.74	1.119	IO				4.35
8.583	0.00	0.74	1.114	IO				4.33
8.667	0.00	0.74	1.109	IO				4.32
8.750	0.00	0.74	1.104	IO				4.31
8.833	0.00	0.74	1.099	IO				4.29
8.917	0.00	0.74	1.094	IO				4.28
9.000	0.00	0.73	1.089	IO				4.27
9.083	0.00	0.73	1.083	IO				4.25
9.167	0.00	0.73	1.078	IO				4.24
9.250	0.00	0.73	1.073	IO				4.23
9.333	0.00	0.73	1.068	IO				4.21
9.417	0.00	0.73	1.063	IO				4.20
9.500	0.00	0.73	1.058	O				4.18
9.583	0.00	0.73	1.053	O				4.17
9.667	0.00	0.72	1.048	O				4.16
9.750	0.00	0.72	1.043	O				4.14
9.833	0.00	0.72	1.038	O				4.13
9.917	0.00	0.72	1.033	O				4.12
10.000	0.00	0.72	1.028	O				4.10
10.083	0.00	0.72	1.024	O				4.09
10.167	0.00	0.72	1.019	O				4.08
10.250	0.00	0.72	1.014	O				4.06
10.333	0.00	0.71	1.009	O				4.05
10.417	0.00	0.71	1.004	O				4.04
10.500	0.00	0.71	0.999	O				4.02
10.583	0.00	0.71	0.994	O				4.01
10.667	0.00	0.71	0.989	O				4.00
10.750	0.00	0.71	0.984	O				3.98
10.833	0.00	0.71	0.979	O				3.97
10.917	0.00	0.71	0.974	O				3.95
11.000	0.00	0.70	0.970	O				3.94
11.083	0.00	0.70	0.965	O				3.92
11.167	0.00	0.70	0.960	O				3.91
11.250	0.00	0.70	0.955	O				3.89
11.333	0.00	0.70	0.950	O				3.88
11.417	0.00	0.70	0.946	O				3.86

11.500	0.00	0.69	0.941	O					3.85
11.583	0.00	0.69	0.936	O					3.83
11.667	0.00	0.69	0.931	O					3.82
11.750	0.00	0.69	0.926	O					3.80
11.833	0.00	0.69	0.922	O					3.79
11.917	0.00	0.69	0.917	O					3.77
12.000	0.00	0.69	0.912	O					3.76
12.083	0.00	0.68	0.908	O					3.74
12.167	0.00	0.68	0.903	O					3.73
12.250	0.00	0.68	0.898	O					3.71
12.333	0.00	0.68	0.893	O					3.70
12.417	0.00	0.68	0.889	O					3.68
12.500	0.00	0.68	0.884	O					3.67
12.583	0.00	0.68	0.879	O					3.65
12.667	0.00	0.67	0.875	O					3.64
12.750	0.00	0.67	0.870	O					3.63
12.833	0.00	0.67	0.866	O					3.61
12.917	0.00	0.67	0.861	O					3.60
13.000	0.00	0.67	0.856	O					3.58
13.083	0.00	0.67	0.852	O					3.57
13.167	0.00	0.67	0.847	O					3.55
13.250	0.00	0.66	0.843	O					3.54
13.333	0.00	0.66	0.838	O					3.52
13.417	0.00	0.66	0.833	O					3.51
13.500	0.00	0.66	0.829	O					3.50
13.583	0.00	0.66	0.824	O					3.48
13.667	0.00	0.66	0.820	O					3.47
13.750	0.00	0.66	0.815	O					3.45
13.833	0.00	0.65	0.811	O					3.44
13.917	0.00	0.65	0.806	O					3.43
14.000	0.00	0.65	0.802	O					3.41
14.083	0.00	0.65	0.797	O					3.40
14.167	0.00	0.65	0.793	O					3.38
14.250	0.00	0.65	0.788	O					3.37
14.333	0.00	0.65	0.784	O					3.36
14.417	0.00	0.64	0.779	O					3.34
14.500	0.00	0.64	0.775	O					3.33
14.583	0.00	0.64	0.771	O					3.31
14.667	0.00	0.64	0.766	O					3.30
14.750	0.00	0.64	0.762	O					3.29
14.833	0.00	0.64	0.757	O					3.27
14.917	0.00	0.64	0.753	O					3.26
15.000	0.00	0.63	0.749	O					3.25
15.083	0.00	0.63	0.744	O					3.23
15.167	0.00	0.63	0.740	O					3.22
15.250	0.00	0.63	0.736	O					3.20
15.333	0.00	0.63	0.731	O					3.19
15.417	0.00	0.63	0.727	O					3.18
15.500	0.00	0.63	0.723	O					3.16
15.583	0.00	0.63	0.718	O					3.15
15.667	0.00	0.62	0.714	O					3.14
15.750	0.00	0.62	0.710	O					3.12
15.833	0.00	0.62	0.705	O					3.11
15.917	0.00	0.62	0.701	O					3.10
16.000	0.00	0.62	0.697	O					3.08
16.083	0.00	0.62	0.693	O					3.07
16.167	0.00	0.62	0.688	O					3.06
16.250	0.00	0.61	0.684	O					3.04
16.333	0.00	0.61	0.680	O					3.03
16.417	0.00	0.61	0.676	O					3.02
16.500	0.00	0.61	0.671	O					3.00
16.583	0.00	0.61	0.667	O					2.99
16.667	0.00	0.61	0.663	O					2.97
16.750	0.00	0.61	0.659	O					2.96
16.833	0.00	0.60	0.655	O					2.94
16.917	0.00	0.60	0.651	O					2.93
17.000	0.00	0.60	0.646	O					2.91
17.083	0.00	0.60	0.642	O					2.90
17.167	0.00	0.60	0.638	O					2.88

17.250	0.00	0.59	0.634	O	|	|	|	|	2.87
17.333	0.00	0.59	0.630	O	|	|	|	|	2.85
17.417	0.00	0.59	0.626	O	|	|	|	|	2.84
17.500	0.00	0.59	0.622	O	|	|	|	|	2.82
17.583	0.00	0.59	0.618	O	|	|	|	|	2.81
17.667	0.00	0.59	0.614	O	|	|	|	|	2.79
17.750	0.00	0.58	0.610	O	|	|	|	|	2.78
17.833	0.00	0.58	0.606	O	|	|	|	|	2.76
17.917	0.00	0.58	0.602	O	|	|	|	|	2.75
18.000	0.00	0.58	0.598	O	|	|	|	|	2.73
18.083	0.00	0.58	0.594	O	|	|	|	|	2.72
18.167	0.00	0.57	0.590	O	|	|	|	|	2.70
18.250	0.00	0.57	0.586	O	|	|	|	|	2.69
18.333	0.00	0.57	0.582	O	|	|	|	|	2.67
18.417	0.00	0.57	0.578	O	|	|	|	|	2.66
18.500	0.00	0.57	0.574	O	|	|	|	|	2.65
18.583	0.00	0.57	0.570	O	|	|	|	|	2.63
18.667	0.00	0.56	0.566	O	|	|	|	|	2.62
18.750	0.00	0.56	0.562	O	|	|	|	|	2.60
18.833	0.00	0.56	0.559	O	|	|	|	|	2.59
18.917	0.00	0.56	0.555	O	|	|	|	|	2.57
19.000	0.00	0.56	0.551	O	|	|	|	|	2.56
19.083	0.00	0.56	0.547	O	|	|	|	|	2.54
19.167	0.00	0.55	0.543	O	|	|	|	|	2.53
19.250	0.00	0.55	0.539	O	|	|	|	|	2.52
19.333	0.00	0.55	0.536	O	|	|	|	|	2.50
19.417	0.00	0.55	0.532	O	|	|	|	|	2.49
19.500	0.00	0.55	0.528	O	|	|	|	|	2.47
19.583	0.00	0.55	0.524	O	|	|	|	|	2.46
19.667	0.00	0.54	0.521	O	|	|	|	|	2.45
19.750	0.00	0.54	0.517	O	|	|	|	|	2.43
19.833	0.00	0.54	0.513	O	|	|	|	|	2.42
19.917	0.00	0.54	0.509	O	|	|	|	|	2.41
20.000	0.00	0.54	0.506	O	|	|	|	|	2.39
20.083	0.00	0.54	0.502	O	|	|	|	|	2.38
20.167	0.00	0.53	0.498	O	|	|	|	|	2.36
20.250	0.00	0.53	0.495	O	|	|	|	|	2.35
20.333	0.00	0.53	0.491	O	|	|	|	|	2.34
20.417	0.00	0.53	0.487	O	|	|	|	|	2.32
20.500	0.00	0.53	0.484	O	|	|	|	|	2.31
20.583	0.00	0.53	0.480	O	|	|	|	|	2.30
20.667	0.00	0.52	0.476	O	|	|	|	|	2.28
20.750	0.00	0.52	0.473	O	|	|	|	|	2.27
20.833	0.00	0.52	0.469	O	|	|	|	|	2.26
20.917	0.00	0.52	0.466	O	|	|	|	|	2.24
21.000	0.00	0.52	0.462	O	|	|	|	|	2.23
21.083	0.00	0.52	0.459	O	|	|	|	|	2.22
21.167	0.00	0.51	0.455	O	|	|	|	|	2.20
21.250	0.00	0.51	0.451	O	|	|	|	|	2.19
21.333	0.00	0.51	0.448	O	|	|	|	|	2.18
21.417	0.00	0.51	0.444	O	|	|	|	|	2.16
21.500	0.00	0.51	0.441	O	|	|	|	|	2.15
21.583	0.00	0.51	0.437	O	|	|	|	|	2.14
21.667	0.00	0.51	0.434	O	|	|	|	|	2.13
21.750	0.00	0.50	0.430	O	|	|	|	|	2.11
21.833	0.00	0.50	0.427	O	|	|	|	|	2.10
21.917	0.00	0.50	0.424	O	|	|	|	|	2.09
22.000	0.00	0.50	0.420	O	|	|	|	|	2.07
22.083	0.00	0.50	0.417	O	|	|	|	|	2.06
22.167	0.00	0.50	0.413	O	|	|	|	|	2.05
22.250	0.00	0.49	0.410	O	|	|	|	|	2.04
22.333	0.00	0.49	0.406	O	|	|	|	|	2.02
22.417	0.00	0.49	0.403	O	|	|	|	|	2.01
22.500	0.00	0.49	0.400	O	|	|	|	|	2.00
22.583	0.00	0.49	0.396	O	|	|	|	|	1.98
22.667	0.00	0.48	0.393	O	|	|	|	|	1.97
22.750	0.00	0.48	0.390	O	|	|	|	|	1.95
22.833	0.00	0.48	0.386	O	|	|	|	|	1.94
22.917	0.00	0.48	0.383	O	|	|	|	|	1.92

23.000	0.00	0.47	0.380	O					1.91
23.083	0.00	0.47	0.377	O					1.89
23.167	0.00	0.47	0.373	O					1.88
23.250	0.00	0.47	0.370	O					1.86
23.333	0.00	0.46	0.367	O					1.85
23.417	0.00	0.46	0.364	O					1.83
23.500	0.00	0.46	0.361	O					1.82
23.583	0.00	0.46	0.357	O					1.81
23.667	0.00	0.45	0.354	O					1.79
23.750	0.00	0.45	0.351	O					1.78
23.833	0.00	0.45	0.348	O					1.76
23.917	0.00	0.45	0.345	O					1.75
24.000	0.00	0.45	0.342	O					1.74
24.083	0.00	0.44	0.339	O					1.72
24.167	0.00	0.44	0.336	O					1.71
24.250	0.00	0.44	0.333	O					1.69
24.333	0.00	0.44	0.330	O					1.68
24.417	0.00	0.43	0.327	O					1.67
24.500	0.00	0.43	0.324	O					1.65
24.583	0.00	0.43	0.321	O					1.64
24.667	0.00	0.43	0.318	O					1.63
24.750	0.00	0.42	0.315	O					1.61
24.833	0.00	0.42	0.312	O					1.60
24.917	0.00	0.42	0.309	O					1.59
25.000	0.00	0.42	0.306	O					1.57
25.083	0.00	0.42	0.303	O					1.56
25.167	0.00	0.41	0.300	O					1.55
25.250	0.00	0.41	0.298	O					1.53
25.333	0.00	0.41	0.295	O					1.52
25.417	0.00	0.41	0.292	O					1.51
25.500	0.00	0.40	0.289	O					1.50
25.583	0.00	0.40	0.286	O					1.48
25.667	0.00	0.40	0.284	O					1.47
25.750	0.00	0.40	0.281	O					1.46
25.833	0.00	0.40	0.278	O					1.45
25.917	0.00	0.39	0.275	O					1.43
26.000	0.00	0.39	0.273	O					1.42
26.083	0.00	0.39	0.270	O					1.41
26.167	0.00	0.39	0.267	O					1.40
26.250	0.00	0.39	0.265	O					1.39
26.333	0.00	0.38	0.262	O					1.37
26.417	0.00	0.38	0.259	O					1.36
26.500	0.00	0.38	0.257	O					1.35
26.583	0.00	0.38	0.254	O					1.34
26.667	0.00	0.38	0.252	O					1.33
26.750	0.00	0.37	0.249	O					1.31
26.833	0.00	0.37	0.246	O					1.30
26.917	0.00	0.37	0.244	O					1.29
27.000	0.00	0.37	0.241	O					1.28
27.083	0.00	0.37	0.239	O					1.27
27.167	0.00	0.36	0.236	O					1.26
27.250	0.00	0.36	0.234	O					1.24
27.333	0.00	0.36	0.231	O					1.23
27.417	0.00	0.36	0.229	O					1.22
27.500	0.00	0.36	0.226	O					1.21
27.583	0.00	0.35	0.224	O					1.20
27.667	0.00	0.35	0.222	O					1.19
27.750	0.00	0.35	0.219	O					1.18
27.833	0.00	0.35	0.217	O					1.17
27.917	0.00	0.35	0.214	O					1.16
28.000	0.00	0.34	0.212	O					1.15
28.083	0.00	0.34	0.210	O					1.13
28.167	0.00	0.34	0.207	O					1.12
28.250	0.00	0.34	0.205	O					1.11
28.333	0.00	0.34	0.203	O					1.10
28.417	0.00	0.34	0.200	O					1.09
28.500	0.00	0.33	0.198	O					1.08
28.583	0.00	0.33	0.196	O					1.07
28.667	0.00	0.33	0.193	O					1.06

28.750	0.00	0.33	0.191	O	|	|	|	|	1.05
28.833	0.00	0.33	0.189	O	|	|	|	|	1.04
28.917	0.00	0.33	0.187	O	|	|	|	|	1.03
29.000	0.00	0.32	0.184	O	|	|	|	|	1.02
29.083	0.00	0.32	0.182	O	|	|	|	|	1.01
29.167	0.00	0.32	0.180	O	|	|	|	|	1.00
29.250	0.00	0.32	0.178	O	|	|	|	|	0.99
29.333	0.00	0.31	0.176	O	|	|	|	|	0.98
29.417	0.00	0.31	0.173	O	|	|	|	|	0.96
29.500	0.00	0.30	0.171	O	|	|	|	|	0.95
29.583	0.00	0.30	0.169	O	|	|	|	|	0.94
29.667	0.00	0.30	0.167	O	|	|	|	|	0.93
29.750	0.00	0.29	0.165	O	|	|	|	|	0.92
29.833	0.00	0.29	0.163	O	|	|	|	|	0.91
29.917	0.00	0.29	0.161	O	|	|	|	|	0.90
30.000	0.00	0.28	0.159	O	|	|	|	|	0.88
30.083	0.00	0.28	0.157	O	|	|	|	|	0.87
30.167	0.00	0.28	0.155	O	|	|	|	|	0.86
30.250	0.00	0.27	0.153	O	|	|	|	|	0.85
30.333	0.00	0.27	0.152	O	|	|	|	|	0.84
30.417	0.00	0.27	0.150	O	|	|	|	|	0.83
30.500	0.00	0.26	0.148	O	|	|	|	|	0.82
30.583	0.00	0.26	0.146	O	|	|	|	|	0.81
30.667	0.00	0.26	0.144	O	|	|	|	|	0.80
30.750	0.00	0.25	0.143	O	|	|	|	|	0.79
30.833	0.00	0.25	0.141	O	|	|	|	|	0.78
30.917	0.00	0.25	0.139	O	|	|	|	|	0.77
31.000	0.00	0.24	0.137	O	|	|	|	|	0.76
31.083	0.00	0.24	0.136	O	|	|	|	|	0.75
31.167	0.00	0.24	0.134	O	|	|	|	|	0.75
31.250	0.00	0.24	0.133	O	|	|	|	|	0.74
31.333	0.00	0.23	0.131	O	|	|	|	|	0.73
31.417	0.00	0.23	0.129	O	|	|	|	|	0.72
31.500	0.00	0.23	0.128	O	|	|	|	|	0.71
31.583	0.00	0.22	0.126	O	|	|	|	|	0.70
31.667	0.00	0.22	0.125	O	|	|	|	|	0.69
31.750	0.00	0.22	0.123	O	|	|	|	|	0.68
31.833	0.00	0.22	0.122	O	|	|	|	|	0.68
31.917	0.00	0.21	0.120	O	|	|	|	|	0.67
32.000	0.00	0.21	0.119	O	|	|	|	|	0.66
32.083	0.00	0.21	0.117	O	|	|	|	|	0.65
32.167	0.00	0.21	0.116	O	|	|	|	|	0.64
32.250	0.00	0.20	0.114	O	|	|	|	|	0.64
32.333	0.00	0.20	0.113	O	|	|	|	|	0.63
32.417	0.00	0.20	0.112	O	|	|	|	|	0.62
32.500	0.00	0.20	0.110	O	|	|	|	|	0.61
32.583	0.00	0.19	0.109	O	|	|	|	|	0.61
32.667	0.00	0.19	0.108	O	|	|	|	|	0.60
32.750	0.00	0.19	0.106	O	|	|	|	|	0.59
32.833	0.00	0.19	0.105	O	|	|	|	|	0.58
32.917	0.00	0.18	0.104	O	|	|	|	|	0.58
33.000	0.00	0.18	0.102	O	|	|	|	|	0.57
33.083	0.00	0.18	0.101	O	|	|	|	|	0.56
33.167	0.00	0.18	0.100	O	|	|	|	|	0.56
33.250	0.00	0.18	0.099	O	|	|	|	|	0.55
33.333	0.00	0.17	0.098	O	|	|	|	|	0.54
33.417	0.00	0.17	0.096	O	|	|	|	|	0.54
33.500	0.00	0.17	0.095	O	|	|	|	|	0.53
33.583	0.00	0.17	0.094	O	|	|	|	|	0.52
33.667	0.00	0.17	0.093	O	|	|	|	|	0.52
33.750	0.00	0.16	0.092	O	|	|	|	|	0.51
33.833	0.00	0.16	0.091	O	|	|	|	|	0.50
33.917	0.00	0.16	0.090	O	|	|	|	|	0.50
34.000	0.00	0.16	0.088	O	|	|	|	|	0.49
34.083	0.00	0.16	0.087	O	|	|	|	|	0.49
34.167	0.00	0.15	0.086	O	|	|	|	|	0.48
34.250	0.00	0.15	0.085	O	|	|	|	|	0.47
34.333	0.00	0.15	0.084	O	|	|	|	|	0.47
34.417	0.00	0.15	0.083	O	|	|	|	|	0.46

34.500	0.00	0.15	0.082	O	|	|	|	|	0.46
34.583	0.00	0.14	0.081	O	|	|	|	|	0.45
34.667	0.00	0.14	0.080	O	|	|	|	|	0.45
34.750	0.00	0.14	0.079	O	|	|	|	|	0.44
34.833	0.00	0.14	0.078	O	|	|	|	|	0.43
34.917	0.00	0.14	0.077	O	|	|	|	|	0.43
35.000	0.00	0.14	0.076	O	|	|	|	|	0.42
35.083	0.00	0.13	0.075	O	|	|	|	|	0.42
35.167	0.00	0.13	0.075	O	|	|	|	|	0.41
35.250	0.00	0.13	0.074	O	|	|	|	|	0.41
35.333	0.00	0.13	0.073	O	|	|	|	|	0.40
35.417	0.00	0.13	0.072	O	|	|	|	|	0.40
35.500	0.00	0.13	0.071	O	|	|	|	|	0.39
35.583	0.00	0.12	0.070	O	|	|	|	|	0.39
35.667	0.00	0.12	0.069	O	|	|	|	|	0.38
35.750	0.00	0.12	0.068	O	|	|	|	|	0.38
35.833	0.00	0.12	0.068	O	|	|	|	|	0.38
35.917	0.00	0.12	0.067	O	|	|	|	|	0.37
36.000	0.00	0.12	0.066	O	|	|	|	|	0.37
36.083	0.00	0.12	0.065	O	|	|	|	|	0.36
36.167	0.00	0.11	0.064	O	|	|	|	|	0.36
36.250	0.00	0.11	0.064	O	|	|	|	|	0.35
36.333	0.00	0.11	0.063	O	|	|	|	|	0.35
36.417	0.00	0.11	0.062	O	|	|	|	|	0.34
36.500	0.00	0.11	0.061	O	|	|	|	|	0.34
36.583	0.00	0.11	0.061	O	|	|	|	|	0.34
36.667	0.00	0.11	0.060	O	|	|	|	|	0.33
36.750	0.00	0.10	0.059	O	|	|	|	|	0.33
36.833	0.00	0.10	0.058	O	|	|	|	|	0.32
36.917	0.00	0.10	0.058	O	|	|	|	|	0.32
37.000	0.00	0.10	0.057	O	|	|	|	|	0.32
37.083	0.00	0.10	0.056	O	|	|	|	|	0.31
37.167	0.00	0.10	0.056	O	|	|	|	|	0.31
37.250	0.00	0.10	0.055	O	|	|	|	|	0.30
37.333	0.00	0.10	0.054	O	|	|	|	|	0.30
37.417	0.00	0.10	0.054	O	|	|	|	|	0.30
37.500	0.00	0.09	0.053	O	|	|	|	|	0.29
37.583	0.00	0.09	0.052	O	|	|	|	|	0.29
37.667	0.00	0.09	0.052	O	|	|	|	|	0.29
37.750	0.00	0.09	0.051	O	|	|	|	|	0.28
37.833	0.00	0.09	0.050	O	|	|	|	|	0.28
37.917	0.00	0.09	0.050	O	|	|	|	|	0.28
38.000	0.00	0.09	0.049	O	|	|	|	|	0.27
38.083	0.00	0.09	0.049	O	|	|	|	|	0.27
38.167	0.00	0.09	0.048	O	|	|	|	|	0.27
38.250	0.00	0.08	0.047	O	|	|	|	|	0.26
38.333	0.00	0.08	0.047	O	|	|	|	|	0.26
38.417	0.00	0.08	0.046	O	|	|	|	|	0.26
38.500	0.00	0.08	0.046	O	|	|	|	|	0.25
38.583	0.00	0.08	0.045	O	|	|	|	|	0.25
38.667	0.00	0.08	0.045	O	|	|	|	|	0.25
38.750	0.00	0.08	0.044	O	|	|	|	|	0.24
38.833	0.00	0.08	0.043	O	|	|	|	|	0.24
38.917	0.00	0.08	0.043	O	|	|	|	|	0.24
39.000	0.00	0.08	0.042	O	|	|	|	|	0.24
39.083	0.00	0.07	0.042	O	|	|	|	|	0.23
39.167	0.00	0.07	0.041	O	|	|	|	|	0.23
39.250	0.00	0.07	0.041	O	|	|	|	|	0.23
39.333	0.00	0.07	0.040	O	|	|	|	|	0.22
39.417	0.00	0.07	0.040	O	|	|	|	|	0.22
39.500	0.00	0.07	0.039	O	|	|	|	|	0.22
39.583	0.00	0.07	0.039	O	|	|	|	|	0.22
39.667	0.00	0.07	0.038	O	|	|	|	|	0.21
39.750	0.00	0.07	0.038	O	|	|	|	|	0.21
39.833	0.00	0.07	0.038	O	|	|	|	|	0.21
39.917	0.00	0.07	0.037	O	|	|	|	|	0.21
40.000	0.00	0.07	0.037	O	|	|	|	|	0.20
40.083	0.00	0.06	0.036	O	|	|	|	|	0.20
40.167	0.00	0.06	0.036	O	|	|	|	|	0.20

40.250	0.00	0.06	0.035	O					0.20
40.333	0.00	0.06	0.035	O					0.19
40.417	0.00	0.06	0.034	O					0.19
40.500	0.00	0.06	0.034	O					0.19
40.583	0.00	0.06	0.034	O					0.19
40.667	0.00	0.06	0.033	O					0.18
40.750	0.00	0.06	0.033	O					0.18
40.833	0.00	0.06	0.032	O					0.18
40.917	0.00	0.06	0.032	O					0.18
41.000	0.00	0.06	0.032	O					0.18
41.083	0.00	0.06	0.031	O					0.17
41.167	0.00	0.05	0.031	O					0.17
41.250	0.00	0.05	0.030	O					0.17
41.333	0.00	0.05	0.030	O					0.17
41.417	0.00	0.05	0.030	O					0.17
41.500	0.00	0.05	0.029	O					0.16
41.583	0.00	0.05	0.029	O					0.16
41.667	0.00	0.05	0.029	O					0.16
41.750	0.00	0.05	0.028	O					0.16
41.833	0.00	0.05	0.028	O					0.16
41.917	0.00	0.05	0.028	O					0.15
42.000	0.00	0.05	0.027	O					0.15
42.083	0.00	0.05	0.027	O					0.15
42.167	0.00	0.05	0.027	O					0.15
42.250	0.00	0.05	0.026	O					0.15
42.333	0.00	0.05	0.026	O					0.14
42.417	0.00	0.05	0.026	O					0.14
42.500	0.00	0.05	0.025	O					0.14
42.583	0.00	0.04	0.025	O					0.14
42.667	0.00	0.04	0.025	O					0.14
42.750	0.00	0.04	0.024	O					0.14
42.833	0.00	0.04	0.024	O					0.13
42.917	0.00	0.04	0.024	O					0.13
43.000	0.00	0.04	0.024	O					0.13
43.083	0.00	0.04	0.023	O					0.13
43.167	0.00	0.04	0.023	O					0.13
43.250	0.00	0.04	0.023	O					0.13
43.333	0.00	0.04	0.022	O					0.12
43.417	0.00	0.04	0.022	O					0.12
43.500	0.00	0.04	0.022	O					0.12
43.583	0.00	0.04	0.022	O					0.12
43.667	0.00	0.04	0.021	O					0.12
43.750	0.00	0.04	0.021	O					0.12
43.833	0.00	0.04	0.021	O					0.12
43.917	0.00	0.04	0.021	O					0.11
44.000	0.00	0.04	0.020	O					0.11
44.083	0.00	0.04	0.020	O					0.11
44.167	0.00	0.04	0.020	O					0.11
44.250	0.00	0.03	0.020	O					0.11
44.333	0.00	0.03	0.019	O					0.11
44.417	0.00	0.03	0.019	O					0.11
44.500	0.00	0.03	0.019	O					0.11
44.583	0.00	0.03	0.019	O					0.10
44.667	0.00	0.03	0.018	O					0.10
44.750	0.00	0.03	0.018	O					0.10
44.833	0.00	0.03	0.018	O					0.10
44.917	0.00	0.03	0.018	O					0.10
45.000	0.00	0.03	0.018	O					0.10
45.083	0.00	0.03	0.017	O					0.10
45.167	0.00	0.03	0.017	O					0.10
45.250	0.00	0.03	0.017	O					0.09
45.333	0.00	0.03	0.017	O					0.09
45.417	0.00	0.03	0.017	O					0.09
45.500	0.00	0.03	0.016	O					0.09
45.583	0.00	0.03	0.016	O					0.09
45.667	0.00	0.03	0.016	O					0.09
45.750	0.00	0.03	0.016	O					0.09
45.833	0.00	0.03	0.016	O					0.09
45.917	0.00	0.03	0.015	O					0.09

46.000	0.00	0.03	0.015	O	|	|	|	|	0.08
46.083	0.00	0.03	0.015	O	|	|	|	|	0.08
46.167	0.00	0.03	0.015	O	|	|	|	|	0.08
46.250	0.00	0.03	0.015	O	|	|	|	|	0.08
46.333	0.00	0.03	0.014	O	|	|	|	|	0.08
46.417	0.00	0.03	0.014	O	|	|	|	|	0.08
46.500	0.00	0.03	0.014	O	|	|	|	|	0.08
46.583	0.00	0.02	0.014	O	|	|	|	|	0.08
46.667	0.00	0.02	0.014	O	|	|	|	|	0.08
46.750	0.00	0.02	0.014	O	|	|	|	|	0.08
46.833	0.00	0.02	0.013	O	|	|	|	|	0.07
46.917	0.00	0.02	0.013	O	|	|	|	|	0.07
47.000	0.00	0.02	0.013	O	|	|	|	|	0.07
47.083	0.00	0.02	0.013	O	|	|	|	|	0.07
47.167	0.00	0.02	0.013	O	|	|	|	|	0.07
47.250	0.00	0.02	0.013	O	|	|	|	|	0.07
47.333	0.00	0.02	0.012	O	|	|	|	|	0.07
47.417	0.00	0.02	0.012	O	|	|	|	|	0.07
47.500	0.00	0.02	0.012	O	|	|	|	|	0.07
47.583	0.00	0.02	0.012	O	|	|	|	|	0.07
47.667	0.00	0.02	0.012	O	|	|	|	|	0.07
47.750	0.00	0.02	0.012	O	|	|	|	|	0.07
47.833	0.00	0.02	0.012	O	|	|	|	|	0.06
47.917	0.00	0.02	0.011	O	|	|	|	|	0.06
48.000	0.00	0.02	0.011	O	|	|	|	|	0.06
48.083	0.00	0.02	0.011	O	|	|	|	|	0.06
48.167	0.00	0.02	0.011	O	|	|	|	|	0.06
48.250	0.00	0.02	0.011	O	|	|	|	|	0.06
48.333	0.00	0.02	0.011	O	|	|	|	|	0.06
48.417	0.00	0.02	0.011	O	|	|	|	|	0.06
48.500	0.00	0.02	0.011	O	|	|	|	|	0.06
48.583	0.00	0.02	0.010	O	|	|	|	|	0.06
48.667	0.00	0.02	0.010	O	|	|	|	|	0.06
48.750	0.00	0.02	0.010	O	|	|	|	|	0.06
48.833	0.00	0.02	0.010	O	|	|	|	|	0.06
48.917	0.00	0.02	0.010	O	|	|	|	|	0.05
49.000	0.00	0.02	0.010	O	|	|	|	|	0.05
49.083	0.00	0.02	0.010	O	|	|	|	|	0.05
49.167	0.00	0.02	0.010	O	|	|	|	|	0.05
49.250	0.00	0.02	0.009	O	|	|	|	|	0.05
49.333	0.00	0.02	0.009	O	|	|	|	|	0.05
49.417	0.00	0.02	0.009	O	|	|	|	|	0.05
49.500	0.00	0.02	0.009	O	|	|	|	|	0.05
49.583	0.00	0.02	0.009	O	|	|	|	|	0.05
49.667	0.00	0.02	0.009	O	|	|	|	|	0.05
49.750	0.00	0.02	0.009	O	|	|	|	|	0.05
49.833	0.00	0.02	0.009	O	|	|	|	|	0.05
49.917	0.00	0.02	0.009	O	|	|	|	|	0.05
50.000	0.00	0.01	0.008	O	|	|	|	|	0.05
50.083	0.00	0.01	0.008	O	|	|	|	|	0.05
50.167	0.00	0.01	0.008	O	|	|	|	|	0.05
50.250	0.00	0.01	0.008	O	|	|	|	|	0.05
50.333	0.00	0.01	0.008	O	|	|	|	|	0.04
50.417	0.00	0.01	0.008	O	|	|	|	|	0.04
50.500	0.00	0.01	0.008	O	|	|	|	|	0.04
50.583	0.00	0.01	0.008	O	|	|	|	|	0.04
50.667	0.00	0.01	0.008	O	|	|	|	|	0.04
50.750	0.00	0.01	0.008	O	|	|	|	|	0.04
50.833	0.00	0.01	0.007	O	|	|	|	|	0.04
50.917	0.00	0.01	0.007	O	|	|	|	|	0.04
51.000	0.00	0.01	0.007	O	|	|	|	|	0.04
51.083	0.00	0.01	0.007	O	|	|	|	|	0.04
51.167	0.00	0.01	0.007	O	|	|	|	|	0.04
51.250	0.00	0.01	0.007	O	|	|	|	|	0.04
51.333	0.00	0.01	0.007	O	|	|	|	|	0.04
51.417	0.00	0.01	0.007	O	|	|	|	|	0.04
51.500	0.00	0.01	0.007	O	|	|	|	|	0.04
51.583	0.00	0.01	0.007	O	|	|	|	|	0.04
51.667	0.00	0.01	0.007	O	|	|	|	|	0.04

51.750	0.00	0.01	0.007	O	|	|	|	|	0.04
51.833	0.00	0.01	0.006	O	|	|	|	|	0.04
51.917	0.00	0.01	0.006	O	|	|	|	|	0.04
52.000	0.00	0.01	0.006	O	|	|	|	|	0.03
52.083	0.00	0.01	0.006	O	|	|	|	|	0.03
52.167	0.00	0.01	0.006	O	|	|	|	|	0.03
52.250	0.00	0.01	0.006	O	|	|	|	|	0.03
52.333	0.00	0.01	0.006	O	|	|	|	|	0.03
52.417	0.00	0.01	0.006	O	|	|	|	|	0.03
52.500	0.00	0.01	0.006	O	|	|	|	|	0.03
52.583	0.00	0.01	0.006	O	|	|	|	|	0.03
52.667	0.00	0.01	0.006	O	|	|	|	|	0.03
52.750	0.00	0.01	0.006	O	|	|	|	|	0.03
52.833	0.00	0.01	0.006	O	|	|	|	|	0.03
52.917	0.00	0.01	0.005	O	|	|	|	|	0.03
53.000	0.00	0.01	0.005	O	|	|	|	|	0.03
53.083	0.00	0.01	0.005	O	|	|	|	|	0.03
53.167	0.00	0.01	0.005	O	|	|	|	|	0.03
53.250	0.00	0.01	0.005	O	|	|	|	|	0.03
53.333	0.00	0.01	0.005	O	|	|	|	|	0.03
53.417	0.00	0.01	0.005	O	|	|	|	|	0.03
53.500	0.00	0.01	0.005	O	|	|	|	|	0.03
53.583	0.00	0.01	0.005	O	|	|	|	|	0.03
53.667	0.00	0.01	0.005	O	|	|	|	|	0.03
53.750	0.00	0.01	0.005	O	|	|	|	|	0.03
53.833	0.00	0.01	0.005	O	|	|	|	|	0.03
53.917	0.00	0.01	0.005	O	|	|	|	|	0.03
54.000	0.00	0.01	0.005	O	|	|	|	|	0.03
54.083	0.00	0.01	0.005	O	|	|	|	|	0.03
54.167	0.00	0.01	0.005	O	|	|	|	|	0.03
54.250	0.00	0.01	0.005	O	|	|	|	|	0.03
54.333	0.00	0.01	0.004	O	|	|	|	|	0.02
54.417	0.00	0.01	0.004	O	|	|	|	|	0.02
54.500	0.00	0.01	0.004	O	|	|	|	|	0.02
54.583	0.00	0.01	0.004	O	|	|	|	|	0.02
54.667	0.00	0.01	0.004	O	|	|	|	|	0.02
54.750	0.00	0.01	0.004	O	|	|	|	|	0.02
54.833	0.00	0.01	0.004	O	|	|	|	|	0.02
54.917	0.00	0.01	0.004	O	|	|	|	|	0.02
55.000	0.00	0.01	0.004	O	|	|	|	|	0.02
55.083	0.00	0.01	0.004	O	|	|	|	|	0.02
55.167	0.00	0.01	0.004	O	|	|	|	|	0.02
55.250	0.00	0.01	0.004	O	|	|	|	|	0.02
55.333	0.00	0.01	0.004	O	|	|	|	|	0.02
55.417	0.00	0.01	0.004	O	|	|	|	|	0.02
55.500	0.00	0.01	0.004	O	|	|	|	|	0.02
55.583	0.00	0.01	0.004	O	|	|	|	|	0.02
55.667	0.00	0.01	0.004	O	|	|	|	|	0.02
55.750	0.00	0.01	0.004	O	|	|	|	|	0.02
55.833	0.00	0.01	0.004	O	|	|	|	|	0.02
55.917	0.00	0.01	0.004	O	|	|	|	|	0.02
56.000	0.00	0.01	0.003	O	|	|	|	|	0.02
56.083	0.00	0.01	0.003	O	|	|	|	|	0.02
56.167	0.00	0.01	0.003	O	|	|	|	|	0.02
56.250	0.00	0.01	0.003	O	|	|	|	|	0.02
56.333	0.00	0.01	0.003	O	|	|	|	|	0.02
56.417	0.00	0.01	0.003	O	|	|	|	|	0.02
56.500	0.00	0.01	0.003	O	|	|	|	|	0.02
56.583	0.00	0.01	0.003	O	|	|	|	|	0.02
56.667	0.00	0.01	0.003	O	|	|	|	|	0.02
56.750	0.00	0.01	0.003	O	|	|	|	|	0.02
56.833	0.00	0.01	0.003	O	|	|	|	|	0.02
56.917	0.00	0.01	0.003	O	|	|	|	|	0.02
57.000	0.00	0.01	0.003	O	|	|	|	|	0.02
57.083	0.00	0.01	0.003	O	|	|	|	|	0.02
57.167	0.00	0.01	0.003	O	|	|	|	|	0.02
57.250	0.00	0.01	0.003	O	|	|	|	|	0.02
57.333	0.00	0.01	0.003	O	|	|	|	|	0.02
57.417	0.00	0.01	0.003	O	|	|	|	|	0.02

57.500	0.00	0.00	0.003	O					0.02
57.583	0.00	0.00	0.003	O					0.02
57.667	0.00	0.00	0.003	O					0.02
57.750	0.00	0.00	0.003	O					0.01
57.833	0.00	0.00	0.003	O					0.01
57.917	0.00	0.00	0.003	O					0.01
58.000	0.00	0.00	0.003	O					0.01
58.083	0.00	0.00	0.003	O					0.01
58.167	0.00	0.00	0.003	O					0.01
58.250	0.00	0.00	0.003	O					0.01
58.333	0.00	0.00	0.002	O					0.01
58.417	0.00	0.00	0.002	O					0.01
58.500	0.00	0.00	0.002	O					0.01
58.583	0.00	0.00	0.002	O					0.01
58.667	0.00	0.00	0.002	O					0.01
58.750	0.00	0.00	0.002	O					0.01
58.833	0.00	0.00	0.002	O					0.01
58.917	0.00	0.00	0.002	O					0.01
59.000	0.00	0.00	0.002	O					0.01
59.083	0.00	0.00	0.002	O					0.01
59.167	0.00	0.00	0.002	O					0.01
59.250	0.00	0.00	0.002	O					0.01
59.333	0.00	0.00	0.002	O					0.01
59.417	0.00	0.00	0.002	O					0.01
59.500	0.00	0.00	0.002	O					0.01
59.583	0.00	0.00	0.002	O					0.01
59.667	0.00	0.00	0.002	O					0.01
59.750	0.00	0.00	0.002	O					0.01
59.833	0.00	0.00	0.002	O					0.01
59.917	0.00	0.00	0.002	O					0.01
60.000	0.00	0.00	0.002	O					0.01
60.083	0.00	0.00	0.002	O					0.01
60.167	0.00	0.00	0.002	O					0.01
60.250	0.00	0.00	0.002	O					0.01
60.333	0.00	0.00	0.002	O					0.01
60.417	0.00	0.00	0.002	O					0.01
60.500	0.00	0.00	0.002	O					0.01
60.583	0.00	0.00	0.002	O					0.01
60.667	0.00	0.00	0.002	O					0.01
60.750	0.00	0.00	0.002	O					0.01
60.833	0.00	0.00	0.002	O					0.01
60.917	0.00	0.00	0.002	O					0.01
61.000	0.00	0.00	0.002	O					0.01
61.083	0.00	0.00	0.002	O					0.01
61.167	0.00	0.00	0.002	O					0.01
61.250	0.00	0.00	0.002	O					0.01
61.333	0.00	0.00	0.002	O					0.01
61.417	0.00	0.00	0.002	O					0.01
61.500	0.00	0.00	0.002	O					0.01
61.583	0.00	0.00	0.002	O					0.01
61.667	0.00	0.00	0.002	O					0.01
61.750	0.00	0.00	0.001	O					0.01
61.833	0.00	0.00	0.001	O					0.01
61.917	0.00	0.00	0.001	O					0.01
62.000	0.00	0.00	0.001	O					0.01
62.083	0.00	0.00	0.001	O					0.01
62.167	0.00	0.00	0.001	O					0.01
62.250	0.00	0.00	0.001	O					0.01
62.333	0.00	0.00	0.001	O					0.01
62.417	0.00	0.00	0.001	O					0.01
62.500	0.00	0.00	0.001	O					0.01
62.583	0.00	0.00	0.001	O					0.01
62.667	0.00	0.00	0.001	O					0.01
62.750	0.00	0.00	0.001	O					0.01
62.833	0.00	0.00	0.001	O					0.01
62.917	0.00	0.00	0.001	O					0.01
63.000	0.00	0.00	0.001	O					0.01
63.083	0.00	0.00	0.001	O					0.01
63.167	0.00	0.00	0.001	O					0.01

63.250	0.00	0.00	0.001	O	|	|	|	|	0.01
63.333	0.00	0.00	0.001	O	|	|	|	|	0.01
63.417	0.00	0.00	0.001	O	|	|	|	|	0.01
63.500	0.00	0.00	0.001	O	|	|	|	|	0.01
63.583	0.00	0.00	0.001	O	|	|	|	|	0.01
63.667	0.00	0.00	0.001	O	|	|	|	|	0.01
63.750	0.00	0.00	0.001	O	|	|	|	|	0.01
63.833	0.00	0.00	0.001	O	|	|	|	|	0.01
63.917	0.00	0.00	0.001	O	|	|	|	|	0.01
64.000	0.00	0.00	0.001	O	|	|	|	|	0.01
64.083	0.00	0.00	0.001	O	|	|	|	|	0.01
64.167	0.00	0.00	0.001	O	|	|	|	|	0.01
64.250	0.00	0.00	0.001	O	|	|	|	|	0.01
64.333	0.00	0.00	0.001	O	|	|	|	|	0.01
64.417	0.00	0.00	0.001	O	|	|	|	|	0.01
64.500	0.00	0.00	0.001	O	|	|	|	|	0.01
64.583	0.00	0.00	0.001	O	|	|	|	|	0.01
64.667	0.00	0.00	0.001	O	|	|	|	|	0.01
64.750	0.00	0.00	0.001	O	|	|	|	|	0.01
64.833	0.00	0.00	0.001	O	|	|	|	|	0.01
64.917	0.00	0.00	0.001	O	|	|	|	|	0.01
65.000	0.00	0.00	0.001	O	|	|	|	|	0.01
65.083	0.00	0.00	0.001	O	|	|	|	|	0.01
65.167	0.00	0.00	0.001	O	|	|	|	|	0.01
65.250	0.00	0.00	0.001	O	|	|	|	|	0.00
65.333	0.00	0.00	0.001	O	|	|	|	|	0.00
65.417	0.00	0.00	0.001	O	|	|	|	|	0.00
65.500	0.00	0.00	0.001	O	|	|	|	|	0.00
65.583	0.00	0.00	0.001	O	|	|	|	|	0.00
65.667	0.00	0.00	0.001	O	|	|	|	|	0.00
65.750	0.00	0.00	0.001	O	|	|	|	|	0.00
65.833	0.00	0.00	0.001	O	|	|	|	|	0.00
65.917	0.00	0.00	0.001	O	|	|	|	|	0.00
66.000	0.00	0.00	0.001	O	|	|	|	|	0.00
66.083	0.00	0.00	0.001	O	|	|	|	|	0.00
66.167	0.00	0.00	0.001	O	|	|	|	|	0.00
66.250	0.00	0.00	0.001	O	|	|	|	|	0.00
66.333	0.00	0.00	0.001	O	|	|	|	|	0.00
66.417	0.00	0.00	0.001	O	|	|	|	|	0.00
66.500	0.00	0.00	0.001	O	|	|	|	|	0.00
66.583	0.00	0.00	0.001	O	|	|	|	|	0.00
66.667	0.00	0.00	0.001	O	|	|	|	|	0.00
66.750	0.00	0.00	0.001	O	|	|	|	|	0.00
66.833	0.00	0.00	0.001	O	|	|	|	|	0.00
66.917	0.00	0.00	0.001	O	|	|	|	|	0.00
67.000	0.00	0.00	0.001	O	|	|	|	|	0.00
67.083	0.00	0.00	0.001	O	|	|	|	|	0.00
67.167	0.00	0.00	0.001	O	|	|	|	|	0.00
67.250	0.00	0.00	0.001	O	|	|	|	|	0.00
67.333	0.00	0.00	0.001	O	|	|	|	|	0.00
67.417	0.00	0.00	0.001	O	|	|	|	|	0.00
67.500	0.00	0.00	0.001	O	|	|	|	|	0.00
67.583	0.00	0.00	0.001	O	|	|	|	|	0.00
67.667	0.00	0.00	0.001	O	|	|	|	|	0.00
67.750	0.00	0.00	0.001	O	|	|	|	|	0.00
67.833	0.00	0.00	0.001	O	|	|	|	|	0.00
67.917	0.00	0.00	0.001	O	|	|	|	|	0.00
68.000	0.00	0.00	0.001	O	|	|	|	|	0.00
68.083	0.00	0.00	0.001	O	|	|	|	|	0.00
68.167	0.00	0.00	0.001	O	|	|	|	|	0.00
68.250	0.00	0.00	0.001	O	|	|	|	|	0.00
68.333	0.00	0.00	0.001	O	|	|	|	|	0.00
68.417	0.00	0.00	0.001	O	|	|	|	|	0.00
68.500	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 822
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.820 (CFS)

```
              Total volume =       1.580 (Ac.Ft)
       Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
       Peak (CFS)      0.000     0.000     0.000     0.000     0.000
       Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
**************************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/10/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRD610.rte

**********HYDROGRAPH DATA**********

Number of intervals = 75
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 23.025 (CFS)
Total volume = 2.217 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN D- ROUTING
10YR-6HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 75
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.180	0.320	0.179	0.181
2.000	0.400	0.490	0.398	0.402
3.000	0.670	0.610	0.668	0.672
4.000	0.990	0.710	0.988	0.992
5.000	1.360	0.800	1.357	1.363
6.000	1.770	0.880	1.767	1.773
7.000	2.250	7.770	2.223	2.277
8.000	2.780	12.820	2.736	2.824
9.000	3.370	16.310	3.314	3.426
10.000	4.020	85.760	3.725	4.315

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 5.8 11.51 17.27 23.02	Depth (Ft.)
0.083	0.58	0.00	0.002	O | | | |	0.01
0.167	1.25	0.01	0.008	OI | | | |	0.05

0.250	1.47	0.03	0.017	O I	|	|	|	|	0.10
0.333	1.54	0.05	0.028	O I	|	|	|	|	0.15
0.417	1.55	0.07	0.038	O I	|	|	|	|	0.21
0.500	1.67	0.09	0.048	O I	|	|	|	|	0.27
0.583	1.78	0.11	0.060	O I	|	|	|	|	0.33
0.667	1.80	0.13	0.071	O I	|	|	|	|	0.39
0.750	1.81	0.15	0.083	O I	|	|	|	|	0.46
0.833	1.81	0.17	0.094	O I	|	|	|	|	0.52
0.917	1.81	0.19	0.105	O I	|	|	|	|	0.58
1.000	1.92	0.21	0.117	O I	|	|	|	|	0.65
1.083	2.04	0.23	0.129	O I	|	|	|	|	0.72
1.167	2.06	0.25	0.141	O I	|	|	|	|	0.78
1.250	2.07	0.27	0.154	O I	|	|	|	|	0.85
1.333	2.07	0.29	0.166	O I	|	|	|	|	0.92
1.417	2.07	0.32	0.178	O I	|	|	|	|	0.99
1.500	2.07	0.33	0.190	O I	|	|	|	|	1.05
1.583	2.07	0.34	0.202	O I	|	|	|	|	1.10
1.667	2.07	0.35	0.214	O I	|	|	|	|	1.15
1.750	2.07	0.36	0.226	O I	|	|	|	|	1.21
1.833	2.07	0.36	0.237	O I	|	|	|	|	1.26
1.917	2.07	0.37	0.249	O I	|	|	|	|	1.31
2.000	2.18	0.38	0.261	O I	|	|	|	|	1.37
2.083	2.18	0.39	0.273	O I	|	|	|	|	1.42
2.167	2.20	0.40	0.286	O I	|	|	|	|	1.48
2.250	2.30	0.41	0.299	O I	|	|	|	|	1.54
2.333	2.32	0.42	0.312	O I	|	|	|	|	1.60
2.417	2.32	0.43	0.325	O I	|	|	|	|	1.66
2.500	2.32	0.44	0.338	O I	|	|	|	|	1.72
2.583	2.32	0.45	0.351	O I	|	|	|	|	1.78
2.667	2.32	0.46	0.363	O I	|	|	|	|	1.83
2.750	2.44	0.47	0.377	O I	|	|	|	|	1.89
2.833	2.55	0.48	0.391	O I	|	|	|	|	1.96
2.917	2.57	0.49	0.405	O I	|	|	|	|	2.02
3.000	2.58	0.50	0.419	O I	|	|	|	|	2.07
3.083	2.58	0.50	0.433	O I	|	|	|	|	2.12
3.167	2.70	0.51	0.448	O I	|	|	|	|	2.18
3.250	2.81	0.52	0.464	O I	|	|	|	|	2.24
3.333	2.83	0.53	0.479	O I	|	|	|	|	2.29
3.417	2.96	0.53	0.496	O I	|	|	|	|	2.35
3.500	3.18	0.54	0.513	O I	|	|	|	|	2.42
3.583	3.43	0.55	0.532	O I	|	|	|	|	2.49
3.667	3.58	0.56	0.553	O I	|	|	|	|	2.57
3.750	3.72	0.57	0.574	O I	|	|	|	|	2.64
3.833	3.84	0.58	0.596	O I	|	|	|	|	2.73
3.917	3.98	0.59	0.619	O I	|	|	|	|	2.81
4.000	4.10	0.60	0.643	O I	|	|	|	|	2.90
4.083	4.29	0.61	0.667	O I	|	|	|	|	2.99
4.167	4.70	0.62	0.694	O I	|	|	|	|	3.08
4.250	5.22	0.63	0.724	O I	|	|	|	|	3.17
4.333	5.77	0.64	0.758	O I	|	|	|	|	3.27
4.417	6.33	0.65	0.795	O I	|	|	|	|	3.39
4.500	6.63	0.66	0.835	O I	|	|	|	|	3.52
4.583	6.95	0.67	0.877	O I	|	|	|	|	3.65
4.667	7.46	0.69	0.922	O I	|	|	|	|	3.79
4.750	7.99	0.70	0.970	O I	|	|	|	|	3.94
4.833	8.30	0.72	1.022	O I	|	|	|	|	4.09
4.917	8.62	0.73	1.075	O I	|	|	|	|	4.23
5.000	9.13	0.74	1.131	O I	|	|	|	|	4.38
5.083	10.66	0.76	1.194	O I	|	|	|	|	4.55
5.167	13.17	0.78	1.271	O I	|	|	|	|	4.76
5.250	15.36	0.80	1.363	O I	|	|	|	|	5.01
5.333	17.17	0.82	1.470	O I	|	|	|	|	5.27
5.417	19.38	0.84	1.590	O I	|	|	|	|	5.56
5.500	23.02	0.87	1.730	O I	|	|	|	|	5.90
5.583	16.18	2.10	1.855	O I	|	|	|	|	6.18
5.667	6.45	2.97	1.915	O I	|	|	|	|	6.30
5.750	3.16	**3.14**	**1.927**	**O**	**|**	**|**	**|**	**|**	**6.33**
5.833	1.65	3.07	1.923	O I	|	|	|	|	6.32
5.917	1.12	2.91	1.912	O I	|	|	|	|	6.29

6.000	0.73	2.73	1.899	|I O	|	|	|	6.27
6.083	0.33	2.52	1.884	I O	|	|	|	6.24
6.167	0.07	2.30	1.869	I O	|	|	|	6.21
6.250	0.02	2.09	1.854	I O	|	|	|	6.18
6.333	0.00	1.89	1.841	I O	|	|	|	6.15
6.417	0.00	1.71	1.828	I O	|	|	|	6.12
6.500	0.00	1.55	1.817	I O	|	|	|	6.10
6.583	0.00	1.41	1.807	IO	|	|	|	6.08
6.667	0.00	1.27	1.797	IO	|	|	|	6.06
6.750	0.00	1.15	1.789	IO	|	|	|	6.04
6.833	0.00	1.05	1.782	IO	|	|	|	6.02
6.917	0.00	0.95	1.775	IO	|	|	|	6.01
7.000	0.00	0.88	1.768	IO	|	|	|	6.00
7.083	0.00	0.88	1.762	IO	|	|	|	5.98
7.167	0.00	0.88	1.756	IO	|	|	|	5.97
7.250	0.00	0.88	1.750	IO	|	|	|	5.95
7.333	0.00	0.87	1.744	IO	|	|	|	5.94
7.417	0.00	0.87	1.738	IO	|	|	|	5.92
7.500	0.00	0.87	1.732	IO	|	|	|	5.91
7.583	0.00	0.87	1.726	IO	|	|	|	5.89
7.667	0.00	0.87	1.720	IO	|	|	|	5.88
7.750	0.00	0.87	1.714	IO	|	|	|	5.86
7.833	0.00	0.87	1.708	IO	|	|	|	5.85
7.917	0.00	0.87	1.702	IO	|	|	|	5.83
8.000	0.00	0.87	1.696	IO	|	|	|	5.82
8.083	0.00	0.86	1.690	IO	|	|	|	5.81
8.167	0.00	0.86	1.684	IO	|	|	|	5.79
8.250	0.00	0.86	1.678	IO	|	|	|	5.78
8.333	0.00	0.86	1.672	IO	|	|	|	5.76
8.417	0.00	0.86	1.667	IO	|	|	|	5.75
8.500	0.00	0.86	1.661	IO	|	|	|	5.73
8.583	0.00	0.86	1.655	IO	|	|	|	5.72
8.667	0.00	0.86	1.649	IO	|	|	|	5.70
8.750	0.00	0.86	1.643	IO	|	|	|	5.69
8.833	0.00	0.85	1.637	IO	|	|	|	5.68
8.917	0.00	0.85	1.631	IO	|	|	|	5.66
9.000	0.00	0.85	1.625	IO	|	|	|	5.65
9.083	0.00	0.85	1.619	IO	|	|	|	5.63
9.167	0.00	0.85	1.614	IO	|	|	|	5.62
9.250	0.00	0.85	1.608	IO	|	|	|	5.60
9.333	0.00	0.85	1.602	IO	|	|	|	5.59
9.417	0.00	0.85	1.596	IO	|	|	|	5.58
9.500	0.00	0.84	1.590	IO	|	|	|	5.56
9.583	0.00	0.84	1.584	IO	|	|	|	5.55
9.667	0.00	0.84	1.579	IO	|	|	|	5.53
9.750	0.00	0.84	1.573	IO	|	|	|	5.52
9.833	0.00	0.84	1.567	IO	|	|	|	5.50
9.917	0.00	0.84	1.561	IO	|	|	|	5.49
10.000	0.00	0.84	1.555	IO	|	|	|	5.48
10.083	0.00	0.84	1.550	IO	|	|	|	5.46
10.167	0.00	0.84	1.544	IO	|	|	|	5.45
10.250	0.00	0.83	1.538	IO	|	|	|	5.43
10.333	0.00	0.83	1.532	IO	|	|	|	5.42
10.417	0.00	0.83	1.527	IO	|	|	|	5.41
10.500	0.00	0.83	1.521	IO	|	|	|	5.39
10.583	0.00	0.83	1.515	IO	|	|	|	5.38
10.667	0.00	0.83	1.510	IO	|	|	|	5.36
10.750	0.00	0.83	1.504	IO	|	|	|	5.35
10.833	0.00	0.83	1.498	IO	|	|	|	5.34
10.917	0.00	0.83	1.492	IO	|	|	|	5.32
11.000	0.00	0.82	1.487	IO	|	|	|	5.31
11.083	0.00	0.82	1.481	IO	|	|	|	5.30
11.167	0.00	0.82	1.475	IO	|	|	|	5.28
11.250	0.00	0.82	1.470	IO	|	|	|	5.27
11.333	0.00	0.82	1.464	IO	|	|	|	5.25
11.417	0.00	0.82	1.458	IO	|	|	|	5.24
11.500	0.00	0.82	1.453	IO	|	|	|	5.23
11.583	0.00	0.82	1.447	IO	|	|	|	5.21
11.667	0.00	0.82	1.442	IO	|	|	|	5.20

11.750	0.00	0.81	1.436	IO				5.19
11.833	0.00	0.81	1.430	IO				5.17
11.917	0.00	0.81	1.425	IO				5.16
12.000	0.00	0.81	1.419	IO				5.14
12.083	0.00	0.81	1.414	IO				5.13
12.167	0.00	0.81	1.408	IO				5.12
12.250	0.00	0.81	1.402	IO				5.10
12.333	0.00	0.81	1.397	IO				5.09
12.417	0.00	0.81	1.391	IO				5.08
12.500	0.00	0.81	1.386	IO				5.06
12.583	0.00	0.80	1.380	IO				5.05
12.667	0.00	0.80	1.375	IO				5.04
12.750	0.00	0.80	1.369	IO				5.02
12.833	0.00	0.80	1.364	IO				5.01
12.917	0.00	0.80	1.358	IO				4.99
13.000	0.00	0.80	1.353	IO				4.98
13.083	0.00	0.80	1.347	IO				4.97
13.167	0.00	0.80	1.342	IO				4.95
13.250	0.00	0.79	1.336	IO				4.94
13.333	0.00	0.79	1.331	IO				4.92
13.417	0.00	0.79	1.325	IO				4.91
13.500	0.00	0.79	1.320	IO				4.89
13.583	0.00	0.79	1.314	IO				4.88
13.667	0.00	0.79	1.309	IO				4.86
13.750	0.00	0.79	1.303	IO				4.85
13.833	0.00	0.78	1.298	IO				4.83
13.917	0.00	0.78	1.293	IO				4.82
14.000	0.00	0.78	1.287	IO				4.80
14.083	0.00	0.78	1.282	IO				4.79
14.167	0.00	0.78	1.277	IO				4.77
14.250	0.00	0.78	1.271	IO				4.76
14.333	0.00	0.78	1.266	IO				4.75
14.417	0.00	0.78	1.260	IO				4.73
14.500	0.00	0.77	1.255	IO				4.72
14.583	0.00	0.77	1.250	IO				4.70
14.667	0.00	0.77	1.244	IO				4.69
14.750	0.00	0.77	1.239	IO				4.67
14.833	0.00	0.77	1.234	IO				4.66
14.917	0.00	0.77	1.229	IO				4.64
15.000	0.00	0.77	1.223	IO				4.63
15.083	0.00	0.77	1.218	IO				4.62
15.167	0.00	0.76	1.213	IO				4.60
15.250	0.00	0.76	1.207	IO				4.59
15.333	0.00	0.76	1.202	IO				4.57
15.417	0.00	0.76	1.197	IO				4.56
15.500	0.00	0.76	1.192	IO				4.55
15.583	0.00	0.76	1.187	IO				4.53
15.667	0.00	0.76	1.181	IO				4.52
15.750	0.00	0.76	1.176	IO				4.50
15.833	0.00	0.75	1.171	IO				4.49
15.917	0.00	0.75	1.166	IO				4.47
16.000	0.00	0.75	1.161	IO				4.46
16.083	0.00	0.75	1.155	IO				4.45
16.167	0.00	0.75	1.150	IO				4.43
16.250	0.00	0.75	1.145	IO				4.42
16.333	0.00	0.75	1.140	IO				4.41
16.417	0.00	0.75	1.135	IO				4.39
16.500	0.00	0.74	1.130	IO				4.38
16.583	0.00	0.74	1.125	IO				4.36
16.667	0.00	0.74	1.119	IO				4.35
16.750	0.00	0.74	1.114	IO				4.34
16.833	0.00	0.74	1.109	IO				4.32
16.917	0.00	0.74	1.104	IO				4.31
17.000	0.00	0.74	1.099	IO				4.29
17.083	0.00	0.74	1.094	IO				4.28
17.167	0.00	0.73	1.089	IO				4.27
17.250	0.00	0.73	1.084	IO				4.25
17.333	0.00	0.73	1.079	IO				4.24
17.417	0.00	0.73	1.074	IO				4.23

17.500	0.00	0.73	1.069	IO				4.21
17.583	0.00	0.73	1.064	IO				4.20
17.667	0.00	0.73	1.059	IO				4.19
17.750	0.00	0.73	1.054	IO				4.17
17.833	0.00	0.72	1.049	IO				4.16
17.917	0.00	0.72	1.044	IO				4.15
18.000	0.00	0.72	1.039	IO				4.13
18.083	0.00	0.72	1.034	IO				4.12
18.167	0.00	0.72	1.029	O				4.11
18.250	0.00	0.72	1.024	O				4.09
18.333	0.00	0.72	1.019	O				4.08
18.417	0.00	0.72	1.014	O				4.06
18.500	0.00	0.71	1.009	O				4.05
18.583	0.00	0.71	1.004	O				4.04
18.667	0.00	0.71	0.999	O				4.03
18.750	0.00	0.71	0.994	O				4.01
18.833	0.00	0.71	0.989	O				4.00
18.917	0.00	0.71	0.985	O				3.98
19.000	0.00	0.71	0.980	O				3.97
19.083	0.00	0.71	0.975	O				3.95
19.167	0.00	0.70	0.970	O				3.94
19.250	0.00	0.70	0.965	O				3.92
19.333	0.00	0.70	0.960	O				3.91
19.417	0.00	0.70	0.956	O				3.89
19.500	0.00	0.70	0.951	O				3.88
19.583	0.00	0.70	0.946	O				3.86
19.667	0.00	0.69	0.941	O				3.85
19.750	0.00	0.69	0.936	O				3.83
19.833	0.00	0.69	0.932	O				3.82
19.917	0.00	0.69	0.927	O				3.80
20.000	0.00	0.69	0.922	O				3.79
20.083	0.00	0.69	0.917	O				3.77
20.167	0.00	0.69	0.913	O				3.76
20.250	0.00	0.68	0.908	O				3.74
20.333	0.00	0.68	0.903	O				3.73
20.417	0.00	0.68	0.898	O				3.71
20.500	0.00	0.68	0.894	O				3.70
20.583	0.00	0.68	0.889	O				3.68
20.667	0.00	0.68	0.884	O				3.67
20.750	0.00	0.68	0.880	O				3.66
20.833	0.00	0.67	0.875	O				3.64
20.917	0.00	0.67	0.871	O				3.63
21.000	0.00	0.67	0.866	O				3.61
21.083	0.00	0.67	0.861	O				3.60
21.167	0.00	0.67	0.857	O				3.58
21.250	0.00	0.67	0.852	O				3.57
21.333	0.00	0.67	0.847	O				3.55
21.417	0.00	0.66	0.843	O				3.54
21.500	0.00	0.66	0.838	O				3.53
21.583	0.00	0.66	0.834	O				3.51
21.667	0.00	0.66	0.829	O				3.50
21.750	0.00	0.66	0.825	O				3.48
21.833	0.00	0.66	0.820	O				3.47
21.917	0.00	0.66	0.816	O				3.46
22.000	0.00	0.65	0.811	O				3.44
22.083	0.00	0.65	0.807	O				3.43
22.167	0.00	0.65	0.802	O				3.41
22.250	0.00	0.65	0.798	O				3.40
22.333	0.00	0.65	0.793	O				3.38
22.417	0.00	0.65	0.789	O				3.37
22.500	0.00	0.65	0.784	O				3.36
22.583	0.00	0.64	0.780	O				3.34
22.667	0.00	0.64	0.775	O				3.33
22.750	0.00	0.64	0.771	O				3.32
22.833	0.00	0.64	0.767	O				3.30
22.917	0.00	0.64	0.762	O				3.29
23.000	0.00	0.64	0.758	O				3.27
23.083	0.00	0.64	0.753	O				3.26
23.167	0.00	0.63	0.749	O				3.25

23.250	0.00	0.63	0.745	O					3.23
23.333	0.00	0.63	0.740	O					3.22
23.417	0.00	0.63	0.736	O					3.21
23.500	0.00	0.63	0.732	O					3.19
23.583	0.00	0.63	0.727	O					3.18
23.667	0.00	0.63	0.723	O					3.17
23.750	0.00	0.63	0.719	O					3.15
23.833	0.00	0.62	0.714	O					3.14
23.917	0.00	0.62	0.710	O					3.13
24.000	0.00	0.62	0.706	O					3.11
24.083	0.00	0.62	0.701	O					3.10
24.167	0.00	0.62	0.697	O					3.09
24.250	0.00	0.62	0.693	O					3.07
24.333	0.00	0.62	0.689	O					3.06
24.417	0.00	0.61	0.684	O					3.05
24.500	0.00	0.61	0.680	O					3.03
24.583	0.00	0.61	0.676	O					3.02
24.667	0.00	0.61	0.672	O					3.01
24.750	0.00	0.61	0.668	O					2.99
24.833	0.00	0.61	0.663	O					2.98
24.917	0.00	0.61	0.659	O					2.96
25.000	0.00	0.60	0.655	O					2.94
25.083	0.00	0.60	0.651	O					2.93
25.167	0.00	0.60	0.647	O					2.91
25.250	0.00	0.60	0.643	O					2.90
25.333	0.00	0.60	0.639	O					2.88
25.417	0.00	0.59	0.634	O					2.87
25.500	0.00	0.59	0.630	O					2.85
25.583	0.00	0.59	0.626	O					2.84
25.667	0.00	0.59	0.622	O					2.82
25.750	0.00	0.59	0.618	O					2.81
25.833	0.00	0.59	0.614	O					2.79
25.917	0.00	0.58	0.610	O					2.78
26.000	0.00	0.58	0.606	O					2.76
26.083	0.00	0.58	0.602	O					2.75
26.167	0.00	0.58	0.598	O					2.73
26.250	0.00	0.58	0.594	O					2.72
26.333	0.00	0.57	0.590	O					2.70
26.417	0.00	0.57	0.586	O					2.69
26.500	0.00	0.57	0.582	O					2.68
26.583	0.00	0.57	0.578	O					2.66
26.667	0.00	0.57	0.574	O					2.65
26.750	0.00	0.57	0.571	O					2.63
26.833	0.00	0.56	0.567	O					2.62
26.917	0.00	0.56	0.563	O					2.60
27.000	0.00	0.56	0.559	O					2.59
27.083	0.00	0.56	0.555	O					2.57
27.167	0.00	0.56	0.551	O					2.56
27.250	0.00	0.56	0.547	O					2.55
27.333	0.00	0.55	0.544	O					2.53
27.417	0.00	0.55	0.540	O					2.52
27.500	0.00	0.55	0.536	O					2.50
27.583	0.00	0.55	0.532	O					2.49
27.667	0.00	0.55	0.528	O					2.48
27.750	0.00	0.55	0.525	O					2.46
27.833	0.00	0.54	0.521	O					2.45
27.917	0.00	0.54	0.517	O					2.43
28.000	0.00	0.54	0.513	O					2.42
28.083	0.00	0.54	0.510	O					2.41
28.167	0.00	0.54	0.506	O					2.39
28.250	0.00	0.54	0.502	O					2.38
28.333	0.00	0.53	0.499	O					2.37
28.417	0.00	0.53	0.495	O					2.35
28.500	0.00	0.53	0.491	O					2.34
28.583	0.00	0.53	0.488	O					2.32
28.667	0.00	0.53	0.484	O					2.31
28.750	0.00	0.53	0.480	O					2.30
28.833	0.00	0.52	0.477	O					2.28
28.917	0.00	0.52	0.473	O					2.27

29.000	0.00	0.52	0.470	O					2.26
29.083	0.00	0.52	0.466	O					2.24
29.167	0.00	0.52	0.462	O					2.23
29.250	0.00	0.52	0.459	O					2.22
29.333	0.00	0.51	0.455	O					2.20
29.417	0.00	0.51	0.452	O					2.19
29.500	0.00	0.51	0.448	O					2.18
29.583	0.00	0.51	0.445	O					2.17
29.667	0.00	0.51	0.441	O					2.15
29.750	0.00	0.51	0.438	O					2.14
29.833	0.00	0.51	0.434	O					2.13
29.917	0.00	0.50	0.431	O					2.11
30.000	0.00	0.50	0.427	O					2.10
30.083	0.00	0.50	0.424	O					2.09
30.167	0.00	0.50	0.420	O					2.08
30.250	0.00	0.50	0.417	O					2.06
30.333	0.00	0.50	0.414	O					2.05
30.417	0.00	0.49	0.410	O					2.04
30.500	0.00	0.49	0.407	O					2.03
30.583	0.00	0.49	0.403	O					2.01
30.667	0.00	0.49	0.400	O					2.00
30.750	0.00	0.49	0.397	O					1.98
30.833	0.00	0.48	0.393	O					1.97
30.917	0.00	0.48	0.390	O					1.95
31.000	0.00	0.48	0.387	O					1.94
31.083	0.00	0.48	0.383	O					1.92
31.167	0.00	0.47	0.380	O					1.91
31.250	0.00	0.47	0.377	O					1.89
31.333	0.00	0.47	0.374	O					1.88
31.417	0.00	0.47	0.370	O					1.87
31.500	0.00	0.46	0.367	O					1.85
31.583	0.00	0.46	0.364	O					1.84
31.667	0.00	0.46	0.361	O					1.82
31.750	0.00	0.46	0.358	O					1.81
31.833	0.00	0.45	0.354	O					1.79
31.917	0.00	0.45	0.351	O					1.78
32.000	0.00	0.45	0.348	O					1.76
32.083	0.00	0.45	0.345	O					1.75
32.167	0.00	0.45	0.342	O					1.74
32.250	0.00	0.44	0.339	O					1.72
32.333	0.00	0.44	0.336	O					1.71
32.417	0.00	0.44	0.333	O					1.70
32.500	0.00	0.44	0.330	O					1.68
32.583	0.00	0.43	0.327	O					1.67
32.667	0.00	0.43	0.324	O					1.65
32.750	0.00	0.43	0.321	O					1.64
32.833	0.00	0.43	0.318	O					1.63
32.917	0.00	0.42	0.315	O					1.61
33.000	0.00	0.42	0.312	O					1.60
33.083	0.00	0.42	0.309	O					1.59
33.167	0.00	0.42	0.306	O					1.57
33.250	0.00	0.42	0.304	O					1.56
33.333	0.00	0.41	0.301	O					1.55
33.417	0.00	0.41	0.298	O					1.54
33.500	0.00	0.41	0.295	O					1.52
33.583	0.00	0.41	0.292	O					1.51
33.667	0.00	0.40	0.289	O					1.50
33.750	0.00	0.40	0.287	O					1.48
33.833	0.00	0.40	0.284	O					1.47
33.917	0.00	0.40	0.281	O					1.46
34.000	0.00	0.40	0.278	O					1.45
34.083	0.00	0.39	0.276	O					1.43
34.167	0.00	0.39	0.273	O					1.42
34.250	0.00	0.39	0.270	O					1.41
34.333	0.00	0.39	0.268	O					1.40
34.417	0.00	0.39	0.265	O					1.39
34.500	0.00	0.38	0.262	O					1.37
34.583	0.00	0.38	0.260	O					1.36
34.667	0.00	0.38	0.257	O					1.35

34.750	0.00	0.38	0.254	O					1.34
34.833	0.00	0.38	0.252	O					1.33
34.917	0.00	0.37	0.249	O					1.31
35.000	0.00	0.37	0.247	O					1.30
35.083	0.00	0.37	0.244	O					1.29
35.167	0.00	0.37	0.242	O					1.28
35.250	0.00	0.37	0.239	O					1.27
35.333	0.00	0.36	0.237	O					1.26
35.417	0.00	0.36	0.234	O					1.25
35.500	0.00	0.36	0.232	O					1.23
35.583	0.00	0.36	0.229	O					1.22
35.667	0.00	0.36	0.227	O					1.21
35.750	0.00	0.35	0.224	O					1.20
35.833	0.00	0.35	0.222	O					1.19
35.917	0.00	0.35	0.219	O					1.18
36.000	0.00	0.35	0.217	O					1.17
36.083	0.00	0.35	0.215	O					1.16
36.167	0.00	0.34	0.212	O					1.15
36.250	0.00	0.34	0.210	O					1.14
36.333	0.00	0.34	0.207	O					1.12
36.417	0.00	0.34	0.205	O					1.11
36.500	0.00	0.34	0.203	O					1.10
36.583	0.00	0.34	0.200	O					1.09
36.667	0.00	0.33	0.198	O					1.08
36.750	0.00	0.33	0.196	O					1.07
36.833	0.00	0.33	0.194	O					1.06
36.917	0.00	0.33	0.191	O					1.05
37.000	0.00	0.33	0.189	O					1.04
37.083	0.00	0.33	0.187	O					1.03
37.167	0.00	0.32	0.185	O					1.02
37.250	0.00	0.32	0.182	O					1.01
37.333	0.00	0.32	0.180	O					1.00
37.417	0.00	0.32	0.178	O					0.99
37.500	0.00	0.31	0.176	O					0.98
37.583	0.00	0.31	0.174	O					0.96
37.667	0.00	0.30	0.172	O					0.95
37.750	0.00	0.30	0.169	O					0.94
37.833	0.00	0.30	0.167	O					0.93
37.917	0.00	0.29	0.165	O					0.92
38.000	0.00	0.29	0.163	O					0.91
38.083	0.00	0.29	0.161	O					0.90
38.167	0.00	0.28	0.159	O					0.89
38.250	0.00	0.28	0.157	O					0.87
38.333	0.00	0.28	0.156	O					0.86
38.417	0.00	0.27	0.154	O					0.85
38.500	0.00	0.27	0.152	O					0.84
38.583	0.00	0.27	0.150	O					0.83
38.667	0.00	0.26	0.148	O					0.82
38.750	0.00	0.26	0.146	O					0.81
38.833	0.00	0.26	0.145	O					0.80
38.917	0.00	0.25	0.143	O					0.79
39.000	0.00	0.25	0.141	O					0.78
39.083	0.00	0.25	0.139	O					0.77
39.167	0.00	0.24	0.138	O					0.76
39.250	0.00	0.24	0.136	O					0.76
39.333	0.00	0.24	0.134	O					0.75
39.417	0.00	0.24	0.133	O					0.74
39.500	0.00	0.23	0.131	O					0.73
39.583	0.00	0.23	0.129	O					0.72
39.667	0.00	0.23	0.128	O					0.71
39.750	0.00	0.22	0.126	O					0.70
39.833	0.00	0.22	0.125	O					0.69
39.917	0.00	0.22	0.123	O					0.68
40.000	0.00	0.22	0.122	O					0.68
40.083	0.00	0.21	0.120	O					0.67
40.167	0.00	0.21	0.119	O					0.66
40.250	0.00	0.21	0.117	O					0.65
40.333	0.00	0.21	0.116	O					0.64
40.417	0.00	0.20	0.115	O					0.64

40.500	0.00	0.20	0.113	O					0.63
40.583	0.00	0.20	0.112	O					0.62
40.667	0.00	0.20	0.110	O					0.61
40.750	0.00	0.19	0.109	O					0.61
40.833	0.00	0.19	0.108	O					0.60
40.917	0.00	0.19	0.106	O					0.59
41.000	0.00	0.19	0.105	O					0.58
41.083	0.00	0.18	0.104	O					0.58
41.167	0.00	0.18	0.103	O					0.57
41.250	0.00	0.18	0.101	O					0.56
41.333	0.00	0.18	0.100	O					0.56
41.417	0.00	0.18	0.099	O					0.55
41.500	0.00	0.17	0.098	O					0.54
41.583	0.00	0.17	0.096	O					0.54
41.667	0.00	0.17	0.095	O					0.53
41.750	0.00	0.17	0.094	O					0.52
41.833	0.00	0.17	0.093	O					0.52
41.917	0.00	0.16	0.092	O					0.51
42.000	0.00	0.16	0.091	O					0.50
42.083	0.00	0.16	0.090	O					0.50
42.167	0.00	0.16	0.089	O					0.49
42.250	0.00	0.16	0.087	O					0.49
42.333	0.00	0.15	0.086	O					0.48
42.417	0.00	0.15	0.085	O					0.47
42.500	0.00	0.15	0.084	O					0.47
42.583	0.00	0.15	0.083	O					0.46
42.667	0.00	0.15	0.082	O					0.46
42.750	0.00	0.14	0.081	O					0.45
42.833	0.00	0.14	0.080	O					0.45
42.917	0.00	0.14	0.079	O					0.44
43.000	0.00	0.14	0.078	O					0.44
43.083	0.00	0.14	0.077	O					0.43
43.167	0.00	0.14	0.076	O					0.42
43.250	0.00	0.13	0.076	O					0.42
43.333	0.00	0.13	0.075	O					0.41
43.417	0.00	0.13	0.074	O					0.41
43.500	0.00	0.13	0.073	O					0.40
43.583	0.00	0.13	0.072	O					0.40
43.667	0.00	0.13	0.071	O					0.39
43.750	0.00	0.12	0.070	O					0.39
43.833	0.00	0.12	0.069	O					0.39
43.917	0.00	0.12	0.068	O					0.38
44.000	0.00	0.12	0.068	O					0.38
44.083	0.00	0.12	0.067	O					0.37
44.167	0.00	0.12	0.066	O					0.37
44.250	0.00	0.12	0.065	O					0.36
44.333	0.00	0.11	0.064	O					0.36
44.417	0.00	0.11	0.064	O					0.35
44.500	0.00	0.11	0.063	O					0.35
44.583	0.00	0.11	0.062	O					0.34
44.667	0.00	0.11	0.061	O					0.34
44.750	0.00	0.11	0.061	O					0.34
44.833	0.00	0.11	0.060	O					0.33
44.917	0.00	0.11	0.059	O					0.33
45.000	0.00	0.10	0.058	O					0.32
45.083	0.00	0.10	0.058	O					0.32
45.167	0.00	0.10	0.057	O					0.32
45.250	0.00	0.10	0.056	O					0.31
45.333	0.00	0.10	0.056	O					0.31
45.417	0.00	0.10	0.055	O					0.31
45.500	0.00	0.10	0.054	O					0.30
45.583	0.00	0.10	0.054	O					0.30
45.667	0.00	0.09	0.053	O					0.29
45.750	0.00	0.09	0.052	O					0.29
45.833	0.00	0.09	0.052	O					0.29
45.917	0.00	0.09	0.051	O					0.28
46.000	0.00	0.09	0.050	O					0.28
46.083	0.00	0.09	0.050	O					0.28
46.167	0.00	0.09	0.049	O					0.27

46.250	0.00	0.09	0.049	O	|	|	|	|	0.27
46.333	0.00	0.09	0.048	O	|	|	|	|	0.27
46.417	0.00	0.08	0.047	O	|	|	|	|	0.26
46.500	0.00	0.08	0.047	O	|	|	|	|	0.26
46.583	0.00	0.08	0.046	O	|	|	|	|	0.26
46.667	0.00	0.08	0.046	O	|	|	|	|	0.25
46.750	0.00	0.08	0.045	O	|	|	|	|	0.25
46.833	0.00	0.08	0.045	O	|	|	|	|	0.25
46.917	0.00	0.08	0.044	O	|	|	|	|	0.24
47.000	0.00	0.08	0.044	O	|	|	|	|	0.24
47.083	0.00	0.08	0.043	O	|	|	|	|	0.24
47.167	0.00	0.08	0.042	O	|	|	|	|	0.24
47.250	0.00	0.07	0.042	O	|	|	|	|	0.23
47.333	0.00	0.07	0.041	O	|	|	|	|	0.23
47.417	0.00	0.07	0.041	O	|	|	|	|	0.23
47.500	0.00	0.07	0.040	O	|	|	|	|	0.22
47.583	0.00	0.07	0.040	O	|	|	|	|	0.22
47.667	0.00	0.07	0.039	O	|	|	|	|	0.22
47.750	0.00	0.07	0.039	O	|	|	|	|	0.22
47.833	0.00	0.07	0.039	O	|	|	|	|	0.21
47.917	0.00	0.07	0.038	O	|	|	|	|	0.21
48.000	0.00	0.07	0.038	O	|	|	|	|	0.21
48.083	0.00	0.07	0.037	O	|	|	|	|	0.21
48.167	0.00	0.07	0.037	O	|	|	|	|	0.20
48.250	0.00	0.06	0.036	O	|	|	|	|	0.20
48.333	0.00	0.06	0.036	O	|	|	|	|	0.20
48.417	0.00	0.06	0.035	O	|	|	|	|	0.20
48.500	0.00	0.06	0.035	O	|	|	|	|	0.19
48.583	0.00	0.06	0.034	O	|	|	|	|	0.19
48.667	0.00	0.06	0.034	O	|	|	|	|	0.19
48.750	0.00	0.06	0.034	O	|	|	|	|	0.19
48.833	0.00	0.06	0.033	O	|	|	|	|	0.18
48.917	0.00	0.06	0.033	O	|	|	|	|	0.18
49.000	0.00	0.06	0.032	O	|	|	|	|	0.18
49.083	0.00	0.06	0.032	O	|	|	|	|	0.18
49.167	0.00	0.06	0.032	O	|	|	|	|	0.18
49.250	0.00	0.06	0.031	O	|	|	|	|	0.17
49.333	0.00	0.05	0.031	O	|	|	|	|	0.17
49.417	0.00	0.05	0.031	O	|	|	|	|	0.17
49.500	0.00	0.05	0.030	O	|	|	|	|	0.17
49.583	0.00	0.05	0.030	O	|	|	|	|	0.17
49.667	0.00	0.05	0.029	O	|	|	|	|	0.16
49.750	0.00	0.05	0.029	O	|	|	|	|	0.16
49.833	0.00	0.05	0.029	O	|	|	|	|	0.16
49.917	0.00	0.05	0.028	O	|	|	|	|	0.16
50.000	0.00	0.05	0.028	O	|	|	|	|	0.16
50.083	0.00	0.05	0.028	O	|	|	|	|	0.15
50.167	0.00	0.05	0.027	O	|	|	|	|	0.15
50.250	0.00	0.05	0.027	O	|	|	|	|	0.15
50.333	0.00	0.05	0.027	O	|	|	|	|	0.15
50.417	0.00	0.05	0.026	O	|	|	|	|	0.15
50.500	0.00	0.05	0.026	O	|	|	|	|	0.14
50.583	0.00	0.05	0.026	O	|	|	|	|	0.14
50.667	0.00	0.05	0.025	O	|	|	|	|	0.14
50.750	0.00	0.04	0.025	O	|	|	|	|	0.14
50.833	0.00	0.04	0.025	O	|	|	|	|	0.14
50.917	0.00	0.04	0.024	O	|	|	|	|	0.14
51.000	0.00	0.04	0.024	O	|	|	|	|	0.13
51.083	0.00	0.04	0.024	O	|	|	|	|	0.13
51.167	0.00	0.04	0.024	O	|	|	|	|	0.13
51.250	0.00	0.04	0.023	O	|	|	|	|	0.13
51.333	0.00	0.04	0.023	O	|	|	|	|	0.13
51.417	0.00	0.04	0.023	O	|	|	|	|	0.13
51.500	0.00	0.04	0.022	O	|	|	|	|	0.12
51.583	0.00	0.04	0.022	O	|	|	|	|	0.12
51.667	0.00	0.04	0.022	O	|	|	|	|	0.12
51.750	0.00	0.04	0.022	O	|	|	|	|	0.12
51.833	0.00	0.04	0.021	O	|	|	|	|	0.12
51.917	0.00	0.04	0.021	O	|	|	|	|	0.12

52.000	0.00	0.04	0.021	O					0.12
52.083	0.00	0.04	0.021	O					0.11
52.167	0.00	0.04	0.020	O					0.11
52.250	0.00	0.04	0.020	O					0.11
52.333	0.00	0.04	0.020	O					0.11
52.417	0.00	0.03	0.020	O					0.11
52.500	0.00	0.03	0.019	O					0.11
52.583	0.00	0.03	0.019	O					0.11
52.667	0.00	0.03	0.019	O					0.11
52.750	0.00	0.03	0.019	O					0.10
52.833	0.00	0.03	0.018	O					0.10
52.917	0.00	0.03	0.018	O					0.10
53.000	0.00	0.03	0.018	O					0.10
53.083	0.00	0.03	0.018	O					0.10
53.167	0.00	0.03	0.018	O					0.10
53.250	0.00	0.03	0.017	O					0.10
53.333	0.00	0.03	0.017	O					0.10
53.417	0.00	0.03	0.017	O					0.09
53.500	0.00	0.03	0.017	O					0.09
53.583	0.00	0.03	0.017	O					0.09
53.667	0.00	0.03	0.016	O					0.09
53.750	0.00	0.03	0.016	O					0.09
53.833	0.00	0.03	0.016	O					0.09
53.917	0.00	0.03	0.016	O					0.09
54.000	0.00	0.03	0.016	O					0.09
54.083	0.00	0.03	0.015	O					0.09
54.167	0.00	0.03	0.015	O					0.08
54.250	0.00	0.03	0.015	O					0.08
54.333	0.00	0.03	0.015	O					0.08
54.417	0.00	0.03	0.015	O					0.08
54.500	0.00	0.03	0.014	O					0.08
54.583	0.00	0.03	0.014	O					0.08
54.667	0.00	0.03	0.014	O					0.08
54.750	0.00	0.02	0.014	O					0.08
54.833	0.00	0.02	0.014	O					0.08
54.917	0.00	0.02	0.014	O					0.08
55.000	0.00	0.02	0.013	O					0.07
55.083	0.00	0.02	0.013	O					0.07
55.167	0.00	0.02	0.013	O					0.07
55.250	0.00	0.02	0.013	O					0.07
55.333	0.00	0.02	0.013	O					0.07
55.417	0.00	0.02	0.013	O					0.07
55.500	0.00	0.02	0.012	O					0.07
55.583	0.00	0.02	0.012	O					0.07
55.667	0.00	0.02	0.012	O					0.07
55.750	0.00	0.02	0.012	O					0.07
55.833	0.00	0.02	0.012	O					0.07
55.917	0.00	0.02	0.012	O					0.07
56.000	0.00	0.02	0.012	O					0.06
56.083	0.00	0.02	0.011	O					0.06
56.167	0.00	0.02	0.011	O					0.06
56.250	0.00	0.02	0.011	O					0.06
56.333	0.00	0.02	0.011	O					0.06
56.417	0.00	0.02	0.011	O					0.06
56.500	0.00	0.02	0.011	O					0.06
56.583	0.00	0.02	0.011	O					0.06
56.667	0.00	0.02	0.011	O					0.06
56.750	0.00	0.02	0.010	O					0.06
56.833	0.00	0.02	0.010	O					0.06
56.917	0.00	0.02	0.010	O					0.06
57.000	0.00	0.02	0.010	O					0.06
57.083	0.00	0.02	0.010	O					0.05
57.167	0.00	0.02	0.010	O					0.05
57.250	0.00	0.02	0.010	O					0.05
57.333	0.00	0.02	0.010	O					0.05
57.417	0.00	0.02	0.009	O					0.05
57.500	0.00	0.02	0.009	O					0.05
57.583	0.00	0.02	0.009	O					0.05
57.667	0.00	0.02	0.009	O					0.05

57.750	0.00	0.02	0.009	O				0.05
57.833	0.00	0.02	0.009	O				0.05
57.917	0.00	0.02	0.009	O				0.05
58.000	0.00	0.02	0.009	O				0.05
58.083	0.00	0.02	0.009	O				0.05
58.167	0.00	0.02	0.008	O				0.05
58.250	0.00	0.01	0.008	O				0.05
58.333	0.00	0.01	0.008	O				0.05
58.417	0.00	0.01	0.008	O				0.05
58.500	0.00	0.01	0.008	O				0.04
58.583	0.00	0.01	0.008	O				0.04
58.667	0.00	0.01	0.008	O				0.04
58.750	0.00	0.01	0.008	O				0.04
58.833	0.00	0.01	0.008	O				0.04
58.917	0.00	0.01	0.008	O				0.04
59.000	0.00	0.01	0.007	O				0.04
59.083	0.00	0.01	0.007	O				0.04
59.167	0.00	0.01	0.007	O				0.04
59.250	0.00	0.01	0.007	O				0.04
59.333	0.00	0.01	0.007	O				0.04
59.417	0.00	0.01	0.007	O				0.04
59.500	0.00	0.01	0.007	O				0.04
59.583	0.00	0.01	0.007	O				0.04
59.667	0.00	0.01	0.007	O				0.04
59.750	0.00	0.01	0.007	O				0.04
59.833	0.00	0.01	0.007	O				0.04
59.917	0.00	0.01	0.007	O				0.04
60.000	0.00	0.01	0.006	O				0.04
60.083	0.00	0.01	0.006	O				0.04
60.167	0.00	0.01	0.006	O				0.03
60.250	0.00	0.01	0.006	O				0.03
60.333	0.00	0.01	0.006	O				0.03
60.417	0.00	0.01	0.006	O				0.03
60.500	0.00	0.01	0.006	O				0.03
60.583	0.00	0.01	0.006	O				0.03
60.667	0.00	0.01	0.006	O				0.03
60.750	0.00	0.01	0.006	O				0.03
60.833	0.00	0.01	0.006	O				0.03
60.917	0.00	0.01	0.006	O				0.03
61.000	0.00	0.01	0.006	O				0.03
61.083	0.00	0.01	0.005	O				0.03
61.167	0.00	0.01	0.005	O				0.03
61.250	0.00	0.01	0.005	O				0.03
61.333	0.00	0.01	0.005	O				0.03
61.417	0.00	0.01	0.005	O				0.03
61.500	0.00	0.01	0.005	O				0.03
61.583	0.00	0.01	0.005	O				0.03
61.667	0.00	0.01	0.005	O				0.03
61.750	0.00	0.01	0.005	O				0.03
61.833	0.00	0.01	0.005	O				0.03
61.917	0.00	0.01	0.005	O				0.03
62.000	0.00	0.01	0.005	O				0.03
62.083	0.00	0.01	0.005	O				0.03
62.167	0.00	0.01	0.005	O				0.03
62.250	0.00	0.01	0.005	O				0.03
62.333	0.00	0.01	0.005	O				0.03
62.417	0.00	0.01	0.005	O				0.03
62.500	0.00	0.01	0.004	O				0.02
62.583	0.00	0.01	0.004	O				0.02
62.667	0.00	0.01	0.004	O				0.02
62.750	0.00	0.01	0.004	O				0.02
62.833	0.00	0.01	0.004	O				0.02
62.917	0.00	0.01	0.004	O				0.02
63.000	0.00	0.01	0.004	O				0.02
63.083	0.00	0.01	0.004	O				0.02
63.167	0.00	0.01	0.004	O				0.02
63.250	0.00	0.01	0.004	O				0.02
63.333	0.00	0.01	0.004	O				0.02
63.417	0.00	0.01	0.004	O				0.02

63.500	0.00	0.01	0.004	O					0.02
63.583	0.00	0.01	0.004	O					0.02
63.667	0.00	0.01	0.004	O					0.02
63.750	0.00	0.01	0.004	O					0.02
63.833	0.00	0.01	0.004	O					0.02
63.917	0.00	0.01	0.004	O					0.02
64.000	0.00	0.01	0.004	O					0.02
64.083	0.00	0.01	0.004	O					0.02
64.167	0.00	0.01	0.003	O					0.02
64.250	0.00	0.01	0.003	O					0.02
64.333	0.00	0.01	0.003	O					0.02
64.417	0.00	0.01	0.003	O					0.02
64.500	0.00	0.01	0.003	O					0.02
64.583	0.00	0.01	0.003	O					0.02
64.667	0.00	0.01	0.003	O					0.02
64.750	0.00	0.01	0.003	O					0.02
64.833	0.00	0.01	0.003	O					0.02
64.917	0.00	0.01	0.003	O					0.02
65.000	0.00	0.01	0.003	O					0.02
65.083	0.00	0.01	0.003	O					0.02
65.167	0.00	0.01	0.003	O					0.02
65.250	0.00	0.01	0.003	O					0.02
65.333	0.00	0.01	0.003	O					0.02
65.417	0.00	0.01	0.003	O					0.02
65.500	0.00	0.01	0.003	O					0.02
65.583	0.00	0.01	0.003	O					0.02
65.667	0.00	0.00	0.003	O					0.02
65.750	0.00	0.00	0.003	O					0.02
65.833	0.00	0.00	0.003	O					0.02
65.917	0.00	0.00	0.003	O					0.02
66.000	0.00	0.00	0.003	O					0.01
66.083	0.00	0.00	0.003	O					0.01
66.167	0.00	0.00	0.003	O					0.01
66.250	0.00	0.00	0.003	O					0.01
66.333	0.00	0.00	0.003	O					0.01
66.417	0.00	0.00	0.003	O					0.01
66.500	0.00	0.00	0.002	O					0.01
66.583	0.00	0.00	0.002	O					0.01
66.667	0.00	0.00	0.002	O					0.01
66.750	0.00	0.00	0.002	O					0.01
66.833	0.00	0.00	0.002	O					0.01
66.917	0.00	0.00	0.002	O					0.01
67.000	0.00	0.00	0.002	O					0.01
67.083	0.00	0.00	0.002	O					0.01
67.167	0.00	0.00	0.002	O					0.01
67.250	0.00	0.00	0.002	O					0.01
67.333	0.00	0.00	0.002	O					0.01
67.417	0.00	0.00	0.002	O					0.01
67.500	0.00	0.00	0.002	O					0.01
67.583	0.00	0.00	0.002	O					0.01
67.667	0.00	0.00	0.002	O					0.01
67.750	0.00	0.00	0.002	O					0.01
67.833	0.00	0.00	0.002	O					0.01
67.917	0.00	0.00	0.002	O					0.01
68.000	0.00	0.00	0.002	O					0.01
68.083	0.00	0.00	0.002	O					0.01
68.167	0.00	0.00	0.002	O					0.01
68.250	0.00	0.00	0.002	O					0.01
68.333	0.00	0.00	0.002	O					0.01
68.417	0.00	0.00	0.002	O					0.01
68.500	0.00	0.00	0.002	O					0.01
68.583	0.00	0.00	0.002	O					0.01
68.667	0.00	0.00	0.002	O					0.01
68.750	0.00	0.00	0.002	O					0.01
68.833	0.00	0.00	0.002	O					0.01
68.917	0.00	0.00	0.002	O					0.01
69.000	0.00	0.00	0.002	O					0.01
69.083	0.00	0.00	0.002	O					0.01
69.167	0.00	0.00	0.002	O					0.01

69.250	0.00	0.00	0.002	O					0.01
69.333	0.00	0.00	0.002	O					0.01
69.417	0.00	0.00	0.002	O					0.01
69.500	0.00	0.00	0.002	O					0.01
69.583	0.00	0.00	0.002	O					0.01
69.667	0.00	0.00	0.002	O					0.01
69.750	0.00	0.00	0.002	O					0.01
69.833	0.00	0.00	0.002	O					0.01
69.917	0.00	0.00	0.002	O					0.01
70.000	0.00	0.00	0.001	O					0.01
70.083	0.00	0.00	0.001	O					0.01
70.167	0.00	0.00	0.001	O					0.01
70.250	0.00	0.00	0.001	O					0.01
70.333	0.00	0.00	0.001	O					0.01
70.417	0.00	0.00	0.001	O					0.01
70.500	0.00	0.00	0.001	O					0.01
70.583	0.00	0.00	0.001	O					0.01
70.667	0.00	0.00	0.001	O					0.01
70.750	0.00	0.00	0.001	O					0.01
70.833	0.00	0.00	0.001	O					0.01
70.917	0.00	0.00	0.001	O					0.01
71.000	0.00	0.00	0.001	O					0.01
71.083	0.00	0.00	0.001	O					0.01
71.167	0.00	0.00	0.001	O					0.01
71.250	0.00	0.00	0.001	O					0.01
71.333	0.00	0.00	0.001	O					0.01
71.417	0.00	0.00	0.001	O					0.01
71.500	0.00	0.00	0.001	O					0.01
71.583	0.00	0.00	0.001	O					0.01
71.667	0.00	0.00	0.001	O					0.01
71.750	0.00	0.00	0.001	O					0.01
71.833	0.00	0.00	0.001	O					0.01
71.917	0.00	0.00	0.001	O					0.01
72.000	0.00	0.00	0.001	O					0.01
72.083	0.00	0.00	0.001	O					0.01
72.167	0.00	0.00	0.001	O					0.01
72.250	0.00	0.00	0.001	O					0.01
72.333	0.00	0.00	0.001	O					0.01
72.417	0.00	0.00	0.001	O					0.01
72.500	0.00	0.00	0.001	O					0.01
72.583	0.00	0.00	0.001	O					0.01
72.667	0.00	0.00	0.001	O					0.01
72.750	0.00	0.00	0.001	O					0.01
72.833	0.00	0.00	0.001	O					0.01
72.917	0.00	0.00	0.001	O					0.01
73.000	0.00	0.00	0.001	O					0.01
73.083	0.00	0.00	0.001	O					0.01
73.167	0.00	0.00	0.001	O					0.01
73.250	0.00	0.00	0.001	O					0.01
73.333	0.00	0.00	0.001	O					0.01
73.417	0.00	0.00	0.001	O					0.00
73.500	0.00	0.00	0.001	O					0.00
73.583	0.00	0.00	0.001	O					0.00
73.667	0.00	0.00	0.001	O					0.00
73.750	0.00	0.00	0.001	O					0.00
73.833	0.00	0.00	0.001	O					0.00
73.917	0.00	0.00	0.001	O					0.00
74.000	0.00	0.00	0.001	O					0.00
74.083	0.00	0.00	0.001	O					0.00
74.167	0.00	0.00	0.001	O					0.00
74.250	0.00	0.00	0.001	O					0.00
74.333	0.00	0.00	0.001	O					0.00
74.417	0.00	0.00	0.001	O					0.00
74.500	0.00	0.00	0.001	O					0.00
74.583	0.00	0.00	0.001	O					0.00
74.667	0.00	0.00	0.001	O					0.00
74.750	0.00	0.00	0.001	O					0.00
74.833	0.00	0.00	0.001	O					0.00
74.917	0.00	0.00	0.001	O					0.00

75.000	0.00	0.00	0.001	O	|	|	|	0.00
75.083	0.00	0.00	0.001	O	|	|	|	0.00
75.167	0.00	0.00	0.001	O	|	|	|	0.00
75.250	0.00	0.00	0.001	O	|	|	|	0.00
75.333	0.00	0.00	0.001	O	|	|	|	0.00
75.417	0.00	0.00	0.001	O	|	|	|	0.00
75.500	0.00	0.00	0.001	O	|	|	|	0.00
75.583	0.00	0.00	0.001	O	|	|	|	0.00
75.667	0.00	0.00	0.001	O	|	|	|	0.00
75.750	0.00	0.00	0.001	O	|	|	|	0.00
75.833	0.00	0.00	0.001	O	|	|	|	0.00
75.917	0.00	0.00	0.001	O	|	|	|	0.00
76.000	0.00	0.00	0.001	O	|	|	|	0.00
76.083	0.00	0.00	0.001	O	|	|	|	0.00
76.167	0.00	0.00	0.001	O	|	|	|	0.00
76.250	0.00	0.00	0.001	O	|	|	|	0.00
76.333	0.00	0.00	0.001	O	|	|	|	0.00
76.417	0.00	0.00	0.001	O	|	|	|	0.00
76.500	0.00	0.00	0.001	O	|	|	|	0.00
76.583	0.00	0.00	0.001	O	|	|	|	0.00
76.667	0.00	0.00	0.001	O	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 920
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.140 (CFS)
Total volume = 2.217 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/10/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRD2410.rte

**********HYDROGRAPH DATA**********

Number of intervals = 291
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 8.682 (CFS)
Total volume = 4.025 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN D- ROUTING
10YR-24HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 291
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.180	0.320	0.179	0.181
2.000	0.400	0.490	0.398	0.402
3.000	0.670	0.610	0.668	0.672
4.000	0.990	0.710	0.988	0.992
5.000	1.360	0.800	1.357	1.363
6.000	1.770	0.880	1.767	1.773
7.000	2.250	7.770	2.223	2.277
8.000	2.780	12.820	2.736	2.824
9.000	3.370	16.310	3.314	3.426
10.000	4.020	85.760	3.725	4.315

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 2.2 4.34 6.51 8.68	Depth (Ft.)
0.083	0.16	0.00	0.001	O | | | |	0.00
0.167	0.31	0.00	0.002	OI | | | |	0.01

0.250	0.34	0.01	0.004	OI	|	|	|	0.02
0.333	0.43	0.01	0.007	OI	|	|	|	0.04
0.417	0.51	0.02	0.010	OI	|	|	|	0.06
0.500	0.52	0.02	0.013	OI	|	|	|	0.07
0.583	0.53	0.03	0.017	OI	|	|	|	0.09
0.667	0.53	0.04	0.020	OI	|	|	|	0.11
0.750	0.53	0.04	0.024	OI	|	|	|	0.13
0.833	0.61	0.05	0.027	O I	|	|	|	0.15
0.917	0.69	0.06	0.031	O I	|	|	|	0.17
1.000	0.70	0.06	0.036	O I	|	|	|	0.20
1.083	0.63	0.07	0.040	O I	|	|	|	0.22
1.167	0.55	0.08	0.043	O I	|	|	|	0.24
1.250	0.54	0.08	0.047	OI	|	|	|	0.26
1.333	0.53	0.09	0.050	OI	|	|	|	0.28
1.417	0.53	0.09	0.053	OI	|	|	|	0.29
1.500	0.53	0.10	0.056	OI	|	|	|	0.31
1.583	0.53	0.10	0.059	OI	|	|	|	0.33
1.667	0.53	0.11	0.062	OI	|	|	|	0.34
1.750	0.53	0.11	0.065	OI	|	|	|	0.36
1.833	0.61	0.12	0.068	O I	|	|	|	0.38
1.917	0.69	0.13	0.071	O I	|	|	|	0.40
2.000	0.70	0.13	0.075	O I	|	|	|	0.42
2.083	0.71	0.14	0.079	O I	|	|	|	0.44
2.167	0.71	0.15	0.083	O I	|	|	|	0.46
2.250	0.71	0.15	0.087	O I	|	|	|	0.48
2.333	0.71	0.16	0.091	O I	|	|	|	0.50
2.417	0.71	0.17	0.094	O I	|	|	|	0.52
2.500	0.71	0.17	0.098	O I	|	|	|	0.54
2.583	0.79	0.18	0.102	O I	|	|	|	0.57
2.667	0.86	0.19	0.106	O I	|	|	|	0.59
2.750	0.88	0.20	0.111	O I	|	|	|	0.62
2.833	0.88	0.21	0.116	O I	|	|	|	0.64
2.917	0.88	0.21	0.120	O I	|	|	|	0.67
3.000	0.88	0.22	0.125	O I	|	|	|	0.69
3.083	0.88	0.23	0.129	O I	|	|	|	0.72
3.167	0.88	0.24	0.134	O I	|	|	|	0.74
3.250	0.88	0.25	0.138	O I	|	|	|	0.77
3.333	0.88	0.25	0.143	O I	|	|	|	0.79
3.417	0.88	0.26	0.147	O I	|	|	|	0.82
3.500	0.88	0.27	0.151	O I	|	|	|	0.84
3.583	0.88	0.28	0.155	|O I	|	|	|	0.86
3.667	0.88	0.28	0.160	|O I	|	|	|	0.89
3.750	0.88	0.29	0.164	|O I	|	|	|	0.91
3.833	0.96	0.30	0.168	|O I	|	|	|	0.93
3.917	1.04	0.31	0.173	|O I	|	|	|	0.96
4.000	1.05	0.32	0.178	|O I	|	|	|	0.99
4.083	1.06	0.32	0.183	|O I	|	|	|	1.01
4.167	1.06	0.33	0.188	|O I	|	|	|	1.04
4.250	1.06	0.33	0.193	|O I	|	|	|	1.06
4.333	1.14	0.33	0.198	|O I	|	|	|	1.08
4.417	1.22	0.34	0.204	|O I	|	|	|	1.11
4.500	1.23	0.34	0.210	|O I	|	|	|	1.14
4.583	1.24	0.35	0.216	|O I	|	|	|	1.17
4.667	1.24	0.35	0.223	|O I	|	|	|	1.19
4.750	1.24	0.36	0.229	|O I	|	|	|	1.22
4.833	1.32	0.36	0.235	|O I	|	|	|	1.25
4.917	1.39	0.37	0.242	|O I	|	|	|	1.28
5.000	1.41	0.37	0.249	|O I	|	|	|	1.31
5.083	1.26	0.38	0.255	|O I	|	|	|	1.34
5.167	1.10	0.38	0.261	|O I	|	|	|	1.37
5.250	1.07	0.39	0.266	|O I	|	|	|	1.39
5.333	1.14	0.39	0.271	|O I	|	|	|	1.41
5.417	1.22	0.39	0.276	|O I	|	|	|	1.44
5.500	1.23	0.40	0.282	|O I	|	|	|	1.46
5.583	1.32	0.40	0.288	|O I	|	|	|	1.49
5.667	1.39	0.41	0.294	|O I	|	|	|	1.52
5.750	1.41	0.41	0.301	|O I	|	|	|	1.55
5.833	1.41	0.42	0.308	|O I	|	|	|	1.58
5.917	1.41	0.42	0.315	|O I	|	|	|	1.61

6.000	1.41	0.43	0.322	O I				1.64
6.083	1.49	0.44	0.329	O I				1.68
6.167	1.57	0.44	0.336	O I				1.71
6.250	1.58	0.45	0.344	O I				1.75
6.333	1.59	0.45	0.352	O I				1.78
6.417	1.59	0.46	0.360	O I				1.82
6.500	1.59	0.46	0.368	O I				1.85
6.583	1.67	0.47	0.376	O I				1.89
6.667	1.75	0.48	0.384	O I				1.93
6.750	1.76	0.48	0.393	O I				1.97
6.833	1.77	0.49	0.402	O I				2.01
6.917	1.77	0.49	0.410	O I				2.04
7.000	1.77	0.50	0.419	O I				2.07
7.083	1.77	0.50	0.428	O I				2.10
7.167	1.77	0.51	0.437	O I				2.14
7.250	1.77	0.51	0.445	O I				2.17
7.333	1.85	0.51	0.454	O I				2.20
7.417	1.92	0.52	0.464	O I				2.24
7.500	1.94	0.52	0.473	O I				2.27
7.583	2.03	0.53	0.483	O I				2.31
7.667	2.10	0.53	0.494	O I				2.35
7.750	2.12	0.54	0.505	O I				2.39
7.833	2.20	0.54	0.516	O I				2.43
7.917	2.28	0.55	0.528	O I				2.47
8.000	2.29	0.55	0.540	O I				2.52
8.083	2.46	0.56	0.552	O I				2.56
8.167	2.61	0.56	0.566	O I				2.61
8.250	2.64	0.57	0.580	O I				2.67
8.333	2.65	0.58	0.594	O I				2.72
8.417	2.65	0.58	0.609	O I				2.77
8.500	2.65	0.59	0.623	O I				2.83
8.583	2.73	0.60	0.637	O I				2.88
8.667	2.81	0.60	0.652	O I				2.93
8.750	2.82	0.61	0.667	O I				2.99
8.833	2.91	0.61	0.683	O I				3.04
8.917	2.98	0.62	0.699	O I				3.09
9.000	3.00	0.62	0.715	O I				3.14
9.083	3.17	0.63	0.732	O I				3.19
9.167	3.32	0.64	0.750	O I				3.25
9.250	3.35	0.64	0.769	O I				3.31
9.333	3.44	0.65	0.788	O I				3.37
9.417	3.52	0.65	0.807	O I				3.43
9.500	3.53	0.66	0.827	O I				3.49
9.583	3.62	0.67	0.847	O I				3.55
9.667	3.69	0.67	0.868	O I				3.62
9.750	3.71	0.68	0.888	O I				3.68
9.833	3.79	0.68	0.909	O I				3.75
9.917	3.87	0.69	0.931	O I				3.82
10.000	3.88	0.70	0.953	O I				3.88
10.083	3.33	0.70	0.973	O I				3.95
10.167	2.80	0.71	0.989	O I				4.00
10.250	2.70	0.71	1.003	O I				4.04
10.333	2.65	0.72	1.017	O I				4.07
10.417	2.65	0.72	1.030	O I				4.11
10.500	2.65	0.72	1.044	O I				4.14
10.583	3.05	0.73	1.058	O I				4.18
10.667	3.43	0.73	1.075	O I				4.23
10.750	3.50	0.74	1.094	O I				4.28
10.833	3.54	0.74	1.113	O I				4.33
10.917	3.54	0.74	1.133	O I				4.39
11.000	3.54	0.75	1.152	O I				4.44
11.083	3.46	0.75	1.171	O I				4.49
11.167	3.38	0.76	1.189	O I				4.54
11.250	3.37	0.76	1.207	O I				4.59
11.333	3.36	0.77	1.225	O I				4.64
11.417	3.36	0.77	1.243	O I				4.68
11.500	3.36	0.78	1.261	O I				4.73
11.583	3.20	0.78	1.278	O I				4.78
11.667	3.05	0.78	1.294	O I				4.82

11.750	3.02	0.79	1.310	O	I			4.86
11.833	3.09	0.79	1.325	O	I			4.91
11.917	3.16	0.80	1.341	O	I			4.95
12.000	3.18	0.80	1.358	O	I			4.99
12.083	3.95	0.80	1.377	O	I			5.04
12.167	4.69	0.81	1.401	O	I			5.10
12.250	4.86	0.81	1.428	O	I			5.17
12.333	5.12	0.82	1.457	O	I			5.24
12.417	5.30	0.82	1.487	O	I			5.31
12.500	5.36	0.83	1.518	O	I			5.39
12.583	5.74	0.84	1.551	O	I			5.46
12.667	6.08	0.84	1.585	O	I			5.55
12.750	6.17	0.85	1.622	O	I			5.64
12.833	6.39	0.86	1.659	O	I			5.73
12.917	6.58	0.87	1.698	O	I			5.82
13.000	6.63	0.87	1.737	O	I			5.92
13.083	7.53	1.02	1.780	O	I			6.02
13.167	8.36	1.67	1.825	O	I			6.11
13.250	8.54	2.31	1.870	O	I			6.21
13.333	8.64	2.90	1.911	O	I			6.29
13.417	8.66	3.44	1.949	O	I			6.37
13.500	8.68	3.94	1.983	O	I			6.44
13.583	6.82	4.29	2.008	O	I			6.50
13.667	5.05	4.45	2.019	O	I			6.52
13.750	4.72	4.49	2.022	O	I			6.52
13.833	4.58	4.51	2.023	O				6.53
13.917	4.60	4.51	2.023	O				6.53
14.000	4.62	4.52	2.024	O	I			6.53
14.083	5.33	4.57	2.027	O	I			6.54
14.167	6.00	4.67	2.034	O	I			6.55
14.250	6.15	4.80	2.043	O	I			6.57
14.333	6.06	4.93	2.052	O	I			6.59
14.417	5.92	5.03	2.059	O	I			6.60
14.500	5.91	5.11	2.065	O	I			6.61
14.583	5.91	5.18	2.070	O	I			6.62
14.667	5.93	5.25	2.075	O	I			6.63
14.750	5.95	5.32	2.079	O	I			6.64
14.833	5.80	5.37	2.083	O	I			6.65
14.917	5.66	5.40	2.085	O	I			6.66
15.000	5.65	5.43	2.087	O				6.66
15.083	5.48	**5.44**	**2.088**	**O**				**6.66**
15.167	5.34	5.44	2.088	O	I			6.66
15.250	5.33	5.43	2.087	O	I			6.66
15.333	5.16	5.41	2.086	O				6.66
15.417	5.02	5.38	2.084	O	I			6.65
15.500	5.00	5.35	2.081	O	I			6.65
15.583	4.32	5.28	2.077	O	I			6.64
15.667	3.69	5.16	2.068	O	I			6.62
15.750	3.58	5.02	2.058	O	I			6.60
15.833	3.54	4.88	2.049	O	I			6.58
15.917	3.56	4.76	2.040	O	I			6.56
16.000	3.58	4.64	2.032	O	I			6.55
16.083	2.29	4.48	2.021	O	I			6.52
16.167	1.06	4.22	2.003	O	I			6.48
16.250	0.82	3.91	1.981	O	I			6.44
16.333	0.71	3.61	1.960	O	I			6.40
16.417	0.71	3.34	1.941	O	I			6.36
16.500	0.71	3.09	1.924	O	I			6.32
16.583	0.63	2.86	1.908	O	I			6.29
16.667	0.55	2.65	1.893	O	I			6.26
16.750	0.54	2.45	1.879	O	I			6.23
16.833	0.53	2.27	1.867	O	I			6.20
16.917	0.53	2.11	1.855	O	I			6.18
17.000	0.53	1.96	1.845	O	I			6.16
17.083	0.69	1.83	1.836	O	I			6.14
17.167	0.84	1.73	1.829	O	I			6.12
17.250	0.87	1.65	1.824	O	I			6.11
17.333	0.88	1.58	1.818	O	I			6.10
17.417	0.88	1.51	1.814	O	I			6.09

17.500	0.88	1.45	1.810	I O				6.08
17.583	0.88	1.40	1.806	I O				6.08
17.667	0.88	1.35	1.803	IO				6.07
17.750	0.88	1.31	1.800	IO				6.06
17.833	0.80	1.26	1.797	I O				6.06
17.917	0.73	1.22	1.793	I O				6.05
18.000	0.71	1.17	1.790	I O				6.04
18.083	0.71	1.13	1.787	I O				6.04
18.167	0.71	1.09	1.784	I O				6.03
18.250	0.71	1.05	1.782	IO				6.02
18.333	0.71	1.02	1.780	IO				6.02
18.417	0.71	0.99	1.778	IO				6.02
18.500	0.71	0.96	1.776	IO				6.01
18.583	0.63	0.93	1.774	IO				6.01
18.667	0.55	0.90	1.772	IO				6.00
18.750	0.54	0.88	1.769	I O				6.00
18.833	0.45	0.88	1.767	I O				5.99
18.917	0.38	0.88	1.763	I O				5.98
19.000	0.36	0.88	1.760	I O				5.98
19.083	0.43	0.88	1.756	I O				5.97
19.167	0.51	0.88	1.754	I O				5.96
19.250	0.52	0.88	1.751	I O				5.95
19.333	0.61	0.88	1.749	IO				5.95
19.417	0.69	0.88	1.748	IO				5.95
19.500	0.70	0.88	1.746	IO				5.94
19.583	0.63	0.88	1.745	IO				5.94
19.667	0.55	0.87	1.743	IO				5.93
19.750	0.54	0.87	1.741	I O				5.93
19.833	0.45	0.87	1.738	I O				5.92
19.917	0.38	0.87	1.735	I O				5.91
20.000	0.36	0.87	1.731	I O				5.91
20.083	0.43	0.87	1.728	I O				5.90
20.167	0.51	0.87	1.725	I O				5.89
20.250	0.52	0.87	1.723	I O				5.88
20.333	0.53	0.87	1.720	I O				5.88
20.417	0.53	0.87	1.718	I O				5.87
20.500	0.53	0.87	1.716	I O				5.87
20.583	0.53	0.87	1.713	I O				5.86
20.667	0.53	0.87	1.711	I O				5.86
20.750	0.53	0.87	1.709	I O				5.85
20.833	0.45	0.87	1.706	I O				5.84
20.917	0.38	0.87	1.703	I O				5.84
21.000	0.36	0.87	1.700	I O				5.83
21.083	0.43	0.87	1.696	I O				5.82
21.167	0.51	0.87	1.694	I O				5.81
21.250	0.52	0.86	1.691	I O				5.81
21.333	0.45	0.86	1.689	I O				5.80
21.417	0.38	0.86	1.686	I O				5.79
21.500	0.36	0.86	1.682	I O				5.79
21.583	0.43	0.86	1.679	I O				5.78
21.667	0.51	0.86	1.676	I O				5.77
21.750	0.52	0.86	1.674	I O				5.77
21.833	0.45	0.86	1.671	I O				5.76
21.917	0.38	0.86	1.668	I O				5.75
22.000	0.36	0.86	1.665	I O				5.74
22.083	0.43	0.86	1.662	I O				5.74
22.167	0.51	0.86	1.659	I O				5.73
22.250	0.52	0.86	1.657	I O				5.72
22.333	0.45	0.86	1.654	I O				5.72
22.417	0.38	0.86	1.651	I O				5.71
22.500	0.36	0.86	1.648	I O				5.70
22.583	0.35	0.86	1.644	I O				5.69
22.667	0.35	0.85	1.641	I O				5.68
22.750	0.35	0.85	1.637	I O				5.68
22.833	0.35	0.85	1.634	I O				5.67
22.917	0.35	0.85	1.630	I O				5.66
23.000	0.35	0.85	1.627	I O				5.65
23.083	0.35	0.85	1.624	I O				5.64
23.167	0.35	0.85	1.620	I O				5.63

23.250	0.35	0.85	1.617	|I O	|	|	|	5.63
23.333	0.35	0.85	1.613	|I O	|	|	|	5.62
23.417	0.35	0.85	1.610	|I O	|	|	|	5.61
23.500	0.35	0.85	1.607	|I O	|	|	|	5.60
23.583	0.35	0.85	1.603	|I O	|	|	|	5.59
23.667	0.35	0.85	1.600	|I O	|	|	|	5.58
23.750	0.35	0.85	1.596	|I O	|	|	|	5.58
23.833	0.35	0.85	1.593	|I O	|	|	|	5.57
23.917	0.35	0.84	1.590	|I O	|	|	|	5.56
24.000	0.35	0.84	1.586	|I O	|	|	|	5.55
24.083	0.19	0.84	1.582	I O	|	|	|	5.54
24.167	0.04	0.84	1.577	I O	|	|	|	5.53
24.250	0.01	0.84	1.572	I O	|	|	|	5.52
24.333	0.00	0.84	1.566	I O	|	|	|	5.50
24.417	0.00	0.84	1.560	I O	|	|	|	5.49
24.500	0.00	0.84	1.554	I O	|	|	|	5.47
24.583	0.00	0.84	1.549	I O	|	|	|	5.46
24.667	0.00	0.84	1.543	I O	|	|	|	5.45
24.750	0.00	0.83	1.537	I O	|	|	|	5.43
24.833	0.00	0.83	1.531	I O	|	|	|	5.42
24.917	0.00	0.83	1.526	I O	|	|	|	5.40
25.000	0.00	0.83	1.520	I O	|	|	|	5.39
25.083	0.00	0.83	1.514	I O	|	|	|	5.38
25.167	0.00	0.83	1.508	I O	|	|	|	5.36
25.250	0.00	0.83	1.503	I O	|	|	|	5.35
25.333	0.00	0.83	1.497	I O	|	|	|	5.33
25.417	0.00	0.83	1.491	I O	|	|	|	5.32
25.500	0.00	0.82	1.486	I O	|	|	|	5.31
25.583	0.00	0.82	1.480	I O	|	|	|	5.29
25.667	0.00	0.82	1.474	I O	|	|	|	5.28
25.750	0.00	0.82	1.469	I O	|	|	|	5.27
25.833	0.00	0.82	1.463	I O	|	|	|	5.25
25.917	0.00	0.82	1.457	I O	|	|	|	5.24
26.000	0.00	0.82	1.452	I O	|	|	|	5.22
26.083	0.00	0.82	1.446	I O	|	|	|	5.21
26.167	0.00	0.82	1.440	I O	|	|	|	5.20
26.250	0.00	0.81	1.435	I O	|	|	|	5.18
26.333	0.00	0.81	1.429	I O	|	|	|	5.17
26.417	0.00	0.81	1.424	I O	|	|	|	5.16
26.500	0.00	0.81	1.418	I O	|	|	|	5.14
26.583	0.00	0.81	1.412	I O	|	|	|	5.13
26.667	0.00	0.81	1.407	I O	|	|	|	5.11
26.750	0.00	0.81	1.401	I O	|	|	|	5.10
26.833	0.00	0.81	1.396	I O	|	|	|	5.09
26.917	0.00	0.81	1.390	I O	|	|	|	5.07
27.000	0.00	0.80	1.385	I O	|	|	|	5.06
27.083	0.00	0.80	1.379	I O	|	|	|	5.05
27.167	0.00	0.80	1.374	I O	|	|	|	5.03
27.250	0.00	0.80	1.368	I O	|	|	|	5.02
27.333	0.00	0.80	1.363	I O	|	|	|	5.01
27.417	0.00	0.80	1.357	I O	|	|	|	4.99
27.500	0.00	0.80	1.352	I O	|	|	|	4.98
27.583	0.00	0.80	1.346	I O	|	|	|	4.96
27.667	0.00	0.80	1.341	I O	|	|	|	4.95
27.750	0.00	0.79	1.335	I O	|	|	|	4.93
27.833	0.00	0.79	1.330	I O	|	|	|	4.92
27.917	0.00	0.79	1.324	I O	|	|	|	4.90
28.000	0.00	0.79	1.319	I O	|	|	|	4.89
28.083	0.00	0.79	1.313	I O	|	|	|	4.87
28.167	0.00	0.79	1.308	I O	|	|	|	4.86
28.250	0.00	0.79	1.302	I O	|	|	|	4.84
28.333	0.00	0.78	1.297	I O	|	|	|	4.83
28.417	0.00	0.78	1.292	I O	|	|	|	4.82
28.500	0.00	0.78	1.286	I O	|	|	|	4.80
28.583	0.00	0.78	1.281	I O	|	|	|	4.79
28.667	0.00	0.78	1.276	I O	|	|	|	4.77
28.750	0.00	0.78	1.270	I O	|	|	|	4.76
28.833	0.00	0.78	1.265	I O	|	|	|	4.74
28.917	0.00	0.78	1.259	I O	|	|	|	4.73

29.000	0.00	0.77	1.254	I O	|	|	|	| 4.71
29.083	0.00	0.77	1.249	I O	|	|	|	| 4.70
29.167	0.00	0.77	1.243	I O	|	|	|	| 4.69
29.250	0.00	0.77	1.238	I O	|	|	|	| 4.67
29.333	0.00	0.77	1.233	I O	|	|	|	| 4.66
29.417	0.00	0.77	1.228	I O	|	|	|	| 4.64
29.500	0.00	0.77	1.222	I O	|	|	|	| 4.63
29.583	0.00	0.77	1.217	I O	|	|	|	| 4.61
29.667	0.00	0.76	1.212	I O	|	|	|	| 4.60
29.750	0.00	0.76	1.206	I O	|	|	|	| 4.59
29.833	0.00	0.76	1.201	I O	|	|	|	| 4.57
29.917	0.00	0.76	1.196	I O	|	|	|	| 4.56
30.000	0.00	0.76	1.191	I O	|	|	|	| 4.54
30.083	0.00	0.76	1.186	I O	|	|	|	| 4.53
30.167	0.00	0.76	1.180	I O	|	|	|	| 4.51
30.250	0.00	0.76	1.175	I O	|	|	|	| 4.50
30.333	0.00	0.75	1.170	I O	|	|	|	| 4.49
30.417	0.00	0.75	1.165	I O	|	|	|	| 4.47
30.500	0.00	0.75	1.160	I O	|	|	|	| 4.46
30.583	0.00	0.75	1.154	I O	|	|	|	| 4.44
30.667	0.00	0.75	1.149	I O	|	|	|	| 4.43
30.750	0.00	0.75	1.144	I O	|	|	|	| 4.42
30.833	0.00	0.75	1.139	I O	|	|	|	| 4.40
30.917	0.00	0.74	1.134	I O	|	|	|	| 4.39
31.000	0.00	0.74	1.129	I O	|	|	|	| 4.37
31.083	0.00	0.74	1.124	I O	|	|	|	| 4.36
31.167	0.00	0.74	1.118	I O	|	|	|	| 4.35
31.250	0.00	0.74	1.113	I O	|	|	|	| 4.33
31.333	0.00	0.74	1.108	I O	|	|	|	| 4.32
31.417	0.00	0.74	1.103	I O	|	|	|	| 4.31
31.500	0.00	0.74	1.098	I O	|	|	|	| 4.29
31.583	0.00	0.74	1.093	I O	|	|	|	| 4.28
31.667	0.00	0.73	1.088	I O	|	|	|	| 4.26
31.750	0.00	0.73	1.083	I O	|	|	|	| 4.25
31.833	0.00	0.73	1.078	I O	|	|	|	| 4.24
31.917	0.00	0.73	1.073	I O	|	|	|	| 4.22
32.000	0.00	0.73	1.068	I O	|	|	|	| 4.21
32.083	0.00	0.73	1.063	I O	|	|	|	| 4.20
32.167	0.00	0.73	1.058	I O	|	|	|	| 4.18
32.250	0.00	0.73	1.053	I O	|	|	|	| 4.17
32.333	0.00	0.72	1.048	I O	|	|	|	| 4.16
32.417	0.00	0.72	1.043	I O	|	|	|	| 4.14
32.500	0.00	0.72	1.038	I O	|	|	|	| 4.13
32.583	0.00	0.72	1.033	I O	|	|	|	| 4.12
32.667	0.00	0.72	1.028	I O	|	|	|	| 4.10
32.750	0.00	0.72	1.023	I O	|	|	|	| 4.09
32.833	0.00	0.72	1.018	I O	|	|	|	| 4.08
32.917	0.00	0.72	1.013	I O	|	|	|	| 4.06
33.000	0.00	0.71	1.008	I O	|	|	|	| 4.05
33.083	0.00	0.71	1.003	I O	|	|	|	| 4.04
33.167	0.00	0.71	0.998	I O	|	|	|	| 4.02
33.250	0.00	0.71	0.993	I O	|	|	|	| 4.01
33.333	0.00	0.71	0.989	I O	|	|	|	| 4.00
33.417	0.00	0.71	0.984	I O	|	|	|	| 3.98
33.500	0.00	0.71	0.979	I O	|	|	|	| 3.97
33.583	0.00	0.70	0.974	I O	|	|	|	| 3.95
33.667	0.00	0.70	0.969	I O	|	|	|	| 3.93
33.750	0.00	0.70	0.964	I O	|	|	|	| 3.92
33.833	0.00	0.70	0.959	I O	|	|	|	| 3.90
33.917	0.00	0.70	0.955	I O	|	|	|	| 3.89
34.000	0.00	0.70	0.950	I O	|	|	|	| 3.87
34.083	0.00	0.70	0.945	I O	|	|	|	| 3.86
34.167	0.00	0.69	0.940	I O	|	|	|	| 3.84
34.250	0.00	0.69	0.935	I O	|	|	|	| 3.83
34.333	0.00	0.69	0.931	I O	|	|	|	| 3.81
34.417	0.00	0.69	0.926	I O	|	|	|	| 3.80
34.500	0.00	0.69	0.921	I O	|	|	|	| 3.78
34.583	0.00	0.69	0.916	I O	|	|	|	| 3.77
34.667	0.00	0.69	0.912	I O	|	|	|	| 3.76

34.750	0.00	0.68	0.907	I O	|	|	|	| 3.74
34.833	0.00	0.68	0.902	I O	|	|	|	| 3.73
34.917	0.00	0.68	0.898	I O	|	|	|	| 3.71
35.000	0.00	0.68	0.893	I O	|	|	|	| 3.70
35.083	0.00	0.68	0.888	I O	|	|	|	| 3.68
35.167	0.00	0.68	0.884	I O	|	|	|	| 3.67
35.250	0.00	0.68	0.879	I O	|	|	|	| 3.65
35.333	0.00	0.67	0.874	I O	|	|	|	| 3.64
35.417	0.00	0.67	0.870	I O	|	|	|	| 3.62
35.500	0.00	0.67	0.865	I O	|	|	|	| 3.61
35.583	0.00	0.67	0.860	I O	|	|	|	| 3.59
35.667	0.00	0.67	0.856	I O	|	|	|	| 3.58
35.750	0.00	0.67	0.851	I O	|	|	|	| 3.57
35.833	0.00	0.67	0.847	I O	|	|	|	| 3.55
35.917	0.00	0.66	0.842	I O	|	|	|	| 3.54
36.000	0.00	0.66	0.837	I O	|	|	|	| 3.52
36.083	0.00	0.66	0.833	I O	|	|	|	| 3.51
36.167	0.00	0.66	0.828	I O	|	|	|	| 3.49
36.250	0.00	0.66	0.824	I O	|	|	|	| 3.48
36.333	0.00	0.66	0.819	I O	|	|	|	| 3.47
36.417	0.00	0.66	0.815	I O	|	|	|	| 3.45
36.500	0.00	0.65	0.810	I O	|	|	|	| 3.44
36.583	0.00	0.65	0.806	I O	|	|	|	| 3.42
36.667	0.00	0.65	0.801	I O	|	|	|	| 3.41
36.750	0.00	0.65	0.797	I O	|	|	|	| 3.40
36.833	0.00	0.65	0.792	I O	|	|	|	| 3.38
36.917	0.00	0.65	0.788	I O	|	|	|	| 3.37
37.000	0.00	0.65	0.783	I O	|	|	|	| 3.35
37.083	0.00	0.64	0.779	I O	|	|	|	| 3.34
37.167	0.00	0.64	0.775	I O	|	|	|	| 3.33
37.250	0.00	0.64	0.770	I O	|	|	|	| 3.31
37.333	0.00	0.64	0.766	I O	|	|	|	| 3.30
37.417	0.00	0.64	0.761	I O	|	|	|	| 3.29
37.500	0.00	0.64	0.757	I O	|	|	|	| 3.27
37.583	0.00	0.64	0.753	I O	|	|	|	| 3.26
37.667	0.00	0.63	0.748	I O	|	|	|	| 3.24
37.750	0.00	0.63	0.744	I O	|	|	|	| 3.23
37.833	0.00	0.63	0.739	I O	|	|	|	| 3.22
37.917	0.00	0.63	0.735	I O	|	|	|	| 3.20
38.000	0.00	0.63	0.731	I O	|	|	|	| 3.19
38.083	0.00	0.63	0.726	I O	|	|	|	| 3.18
38.167	0.00	0.63	0.722	I O	|	|	|	| 3.16
38.250	0.00	0.62	0.718	I O	|	|	|	| 3.15
38.333	0.00	0.62	0.714	I O	|	|	|	| 3.14
38.417	0.00	0.62	0.709	I O	|	|	|	| 3.12
38.500	0.00	0.62	0.705	I O	|	|	|	| 3.11
38.583	0.00	0.62	0.701	I O	|	|	|	| 3.10
38.667	0.00	0.62	0.696	I O	|	|	|	| 3.08
38.750	0.00	0.62	0.692	I O	|	|	|	| 3.07
38.833	0.00	0.62	0.688	I O	|	|	|	| 3.06
38.917	0.00	0.61	0.684	I O	|	|	|	| 3.04
39.000	0.00	0.61	0.679	I O	|	|	|	| 3.03
39.083	0.00	0.61	0.675	I O	|	|	|	| 3.02
39.167	0.00	0.61	0.671	I O	|	|	|	| 3.00
39.250	0.00	0.61	0.667	I O	|	|	|	| 2.99
39.333	0.00	0.61	0.663	I O	|	|	|	| 2.97
39.417	0.00	0.60	0.658	I O	|	|	|	| 2.96
39.500	0.00	0.60	0.654	I O	|	|	|	| 2.94
39.583	0.00	0.60	0.650	I O	|	|	|	| 2.93
39.667	0.00	0.60	0.646	I O	|	|	|	| 2.91
39.750	0.00	0.60	0.642	I O	|	|	|	| 2.90
39.833	0.00	0.60	0.638	I O	|	|	|	| 2.88
39.917	0.00	0.59	0.634	I O	|	|	|	| 2.87
40.000	0.00	0.59	0.630	I O	|	|	|	| 2.85
40.083	0.00	0.59	0.626	I O	|	|	|	| 2.84
40.167	0.00	0.59	0.621	I O	|	|	|	| 2.82
40.250	0.00	0.59	0.617	I O	|	|	|	| 2.81
40.333	0.00	0.58	0.613	I O	|	|	|	| 2.79
40.417	0.00	0.58	0.609	I O	|	|	|	| 2.78

40.500	0.00	0.58	0.605	I O	|	|	|	2.76
40.583	0.00	0.58	0.601	I O	|	|	|	2.75
40.667	0.00	0.58	0.597	I O	|	|	|	2.73
40.750	0.00	0.58	0.593	I O	|	|	|	2.72
40.833	0.00	0.57	0.589	I O	|	|	|	2.70
40.917	0.00	0.57	0.586	I O	|	|	|	2.69
41.000	0.00	0.57	0.582	I O	|	|	|	2.67
41.083	0.00	0.57	0.578	I O	|	|	|	2.66
41.167	0.00	0.57	0.574	I O	|	|	|	2.64
41.250	0.00	0.57	0.570	I O	|	|	|	2.63
41.333	0.00	0.56	0.566	I O	|	|	|	2.61
41.417	0.00	0.56	0.562	I O	|	|	|	2.60
41.500	0.00	0.56	0.558	I O	|	|	|	2.59
41.583	0.00	0.56	0.554	I O	|	|	|	2.57
41.667	0.00	0.56	0.551	I O	|	|	|	2.56
41.750	0.00	0.56	0.547	I O	|	|	|	2.54
41.833	0.00	0.55	0.543	I O	|	|	|	2.53
41.917	0.00	0.55	0.539	I O	|	|	|	2.52
42.000	0.00	0.55	0.535	I O	|	|	|	2.50
42.083	0.00	0.55	0.531	I O	|	|	|	2.49
42.167	0.00	0.55	0.528	I O	|	|	|	2.47
42.250	0.00	0.55	0.524	I O	|	|	|	2.46
42.333	0.00	0.54	0.520	I O	|	|	|	2.45
42.417	0.00	0.54	0.516	IO	|	|	|	2.43
42.500	0.00	0.54	0.513	IO	|	|	|	2.42
42.583	0.00	0.54	0.509	IO	|	|	|	2.40
42.667	0.00	0.54	0.505	IO	|	|	|	2.39
42.750	0.00	0.54	0.502	IO	|	|	|	2.38
42.833	0.00	0.53	0.498	IO	|	|	|	2.36
42.917	0.00	0.53	0.494	IO	|	|	|	2.35
43.000	0.00	0.53	0.491	IO	|	|	|	2.34
43.083	0.00	0.53	0.487	IO	|	|	|	2.32
43.167	0.00	0.53	0.483	IO	|	|	|	2.31
43.250	0.00	0.53	0.480	IO	|	|	|	2.30
43.333	0.00	0.52	0.476	IO	|	|	|	2.28
43.417	0.00	0.52	0.473	IO	|	|	|	2.27
43.500	0.00	0.52	0.469	IO	|	|	|	2.26
43.583	0.00	0.52	0.465	IO	|	|	|	2.24
43.667	0.00	0.52	0.462	IO	|	|	|	2.23
43.750	0.00	0.52	0.458	IO	|	|	|	2.22
43.833	0.00	0.51	0.455	IO	|	|	|	2.20
43.917	0.00	0.51	0.451	IO	|	|	|	2.19
44.000	0.00	0.51	0.448	IO	|	|	|	2.18
44.083	0.00	0.51	0.444	IO	|	|	|	2.16
44.167	0.00	0.51	0.441	IO	|	|	|	2.15
44.250	0.00	0.51	0.437	IO	|	|	|	2.14
44.333	0.00	0.50	0.434	IO	|	|	|	2.12
44.417	0.00	0.50	0.430	IO	|	|	|	2.11
44.500	0.00	0.50	0.427	IO	|	|	|	2.10
44.583	0.00	0.50	0.423	IO	|	|	|	2.09
44.667	0.00	0.50	0.420	IO	|	|	|	2.07
44.750	0.00	0.50	0.416	IO	|	|	|	2.06
44.833	0.00	0.50	0.413	IO	|	|	|	2.05
44.917	0.00	0.49	0.410	IO	|	|	|	2.04
45.000	0.00	0.49	0.406	IO	|	|	|	2.02
45.083	0.00	0.49	0.403	IO	|	|	|	2.01
45.167	0.00	0.49	0.399	IO	|	|	|	2.00
45.250	0.00	0.49	0.396	IO	|	|	|	1.98
45.333	0.00	0.48	0.393	IO	|	|	|	1.97
45.417	0.00	0.48	0.389	IO	|	|	|	1.95
45.500	0.00	0.48	0.386	IO	|	|	|	1.94
45.583	0.00	0.48	0.383	IO	|	|	|	1.92
45.667	0.00	0.47	0.379	IO	|	|	|	1.91
45.750	0.00	0.47	0.376	IO	|	|	|	1.89
45.833	0.00	0.47	0.373	IO	|	|	|	1.88
45.917	0.00	0.47	0.370	IO	|	|	|	1.86
46.000	0.00	0.46	0.367	IO	|	|	|	1.85
46.083	0.00	0.46	0.363	IO	|	|	|	1.83
46.167	0.00	0.46	0.360	IO	|	|	|	1.82

46.250	0.00	0.46	0.357	IO					1.80
46.333	0.00	0.45	0.354	IO					1.79
46.417	0.00	0.45	0.351	IO					1.78
46.500	0.00	0.45	0.348	IO					1.76
46.583	0.00	0.45	0.345	IO					1.75
46.667	0.00	0.44	0.341	IO					1.73
46.750	0.00	0.44	0.338	IO					1.72
46.833	0.00	0.44	0.335	IO					1.71
46.917	0.00	0.44	0.332	IO					1.69
47.000	0.00	0.44	0.329	IO					1.68
47.083	0.00	0.43	0.326	IO					1.67
47.167	0.00	0.43	0.323	IO					1.65
47.250	0.00	0.43	0.320	IO					1.64
47.333	0.00	0.43	0.317	IO					1.62
47.417	0.00	0.42	0.315	IO					1.61
47.500	0.00	0.42	0.312	IO					1.60
47.583	0.00	0.42	0.309	IO					1.59
47.667	0.00	0.42	0.306	IO					1.57
47.750	0.00	0.42	0.303	IO					1.56
47.833	0.00	0.41	0.300	IO					1.55
47.917	0.00	0.41	0.297	IO					1.53
48.000	0.00	0.41	0.295	IO					1.52
48.083	0.00	0.41	0.292	IO					1.51
48.167	0.00	0.40	0.289	IO					1.50
48.250	0.00	0.40	0.286	IO					1.48
48.333	0.00	0.40	0.283	IO					1.47
48.417	0.00	0.40	0.281	IO					1.46
48.500	0.00	0.40	0.278	IO					1.44
48.583	0.00	0.39	0.275	IO					1.43
48.667	0.00	0.39	0.272	IO					1.42
48.750	0.00	0.39	0.270	IO					1.41
48.833	0.00	0.39	0.267	IO					1.40
48.917	0.00	0.39	0.264	IO					1.38
49.000	0.00	0.38	0.262	IO					1.37
49.083	0.00	0.38	0.259	IO					1.36
49.167	0.00	0.38	0.257	IO					1.35
49.250	0.00	0.38	0.254	IO					1.34
49.333	0.00	0.38	0.251	IO					1.32
49.417	0.00	0.37	0.249	IO					1.31
49.500	0.00	0.37	0.246	IO					1.30
49.583	0.00	0.37	0.244	IO					1.29
49.667	0.00	0.37	0.241	IO					1.28
49.750	0.00	0.37	0.239	IO					1.27
49.833	0.00	0.36	0.236	IO					1.25
49.917	0.00	0.36	0.234	IO					1.24
50.000	0.00	0.36	0.231	IO					1.23
50.083	0.00	0.36	0.229	IO					1.22
50.167	0.00	0.36	0.226	IO					1.21
50.250	0.00	0.35	0.224	IO					1.20
50.333	0.00	0.35	0.221	IO					1.19
50.417	0.00	0.35	0.219	IO					1.18
50.500	0.00	0.35	0.216	IO					1.17
50.583	0.00	0.35	0.214	IO					1.16
50.667	0.00	0.34	0.212	IO					1.14
50.750	0.00	0.34	0.209	IO					1.13
50.833	0.00	0.34	0.207	IO					1.12
50.917	0.00	0.34	0.205	IO					1.11
51.000	0.00	0.34	0.202	IO					1.10
51.083	0.00	0.34	0.200	IO					1.09
51.167	0.00	0.33	0.198	IO					1.08
51.250	0.00	0.33	0.195	IO					1.07
51.333	0.00	0.33	0.193	IO					1.06
51.417	0.00	0.33	0.191	IO					1.05
51.500	0.00	0.33	0.189	IO					1.04
51.583	0.00	0.32	0.186	IO					1.03
51.667	0.00	0.32	0.184	IO					1.02
51.750	0.00	0.32	0.182	IO					1.01
51.833	0.00	0.32	0.180	IO					1.00
51.917	0.00	0.32	0.178	IO					0.99

52.000	0.00	0.31	0.175	IO					0.97
52.083	0.00	0.31	0.173	IO					0.96
52.167	0.00	0.30	0.171	IO					0.95
52.250	0.00	0.30	0.169	IO					0.94
52.333	0.00	0.30	0.167	IO					0.93
52.417	0.00	0.29	0.165	IO					0.92
52.500	0.00	0.29	0.163	IO					0.91
52.583	0.00	0.29	0.161	IO					0.89
52.667	0.00	0.28	0.159	IO					0.88
52.750	0.00	0.28	0.157	IO					0.87
52.833	0.00	0.28	0.155	IO					0.86
52.917	0.00	0.27	0.153	IO					0.85
53.000	0.00	0.27	0.151	O					0.84
53.083	0.00	0.27	0.150	O					0.83
53.167	0.00	0.26	0.148	O					0.82
53.250	0.00	0.26	0.146	O					0.81
53.333	0.00	0.26	0.144	O					0.80
53.417	0.00	0.25	0.142	O					0.79
53.500	0.00	0.25	0.141	O					0.78
53.583	0.00	0.25	0.139	O					0.77
53.667	0.00	0.24	0.137	O					0.76
53.750	0.00	0.24	0.136	O					0.75
53.833	0.00	0.24	0.134	O					0.74
53.917	0.00	0.24	0.132	O					0.74
54.000	0.00	0.23	0.131	O					0.73
54.083	0.00	0.23	0.129	O					0.72
54.167	0.00	0.23	0.128	O					0.71
54.250	0.00	0.22	0.126	O					0.70
54.333	0.00	0.22	0.124	O					0.69
54.417	0.00	0.22	0.123	O					0.68
54.500	0.00	0.22	0.121	O					0.67
54.583	0.00	0.21	0.120	O					0.67
54.667	0.00	0.21	0.119	O					0.66
54.750	0.00	0.21	0.117	O					0.65
54.833	0.00	0.21	0.116	O					0.64
54.917	0.00	0.20	0.114	O					0.63
55.000	0.00	0.20	0.113	O					0.63
55.083	0.00	0.20	0.111	O					0.62
55.167	0.00	0.20	0.110	O					0.61
55.250	0.00	0.19	0.109	O					0.60
55.333	0.00	0.19	0.107	O					0.60
55.417	0.00	0.19	0.106	O					0.59
55.500	0.00	0.19	0.105	O					0.58
55.583	0.00	0.18	0.104	O					0.58
55.667	0.00	0.18	0.102	O					0.57
55.750	0.00	0.18	0.101	O					0.56
55.833	0.00	0.18	0.100	O					0.55
55.917	0.00	0.18	0.099	O					0.55
56.000	0.00	0.17	0.097	O					0.54
56.083	0.00	0.17	0.096	O					0.53
56.167	0.00	0.17	0.095	O					0.53
56.250	0.00	0.17	0.094	O					0.52
56.333	0.00	0.16	0.093	O					0.52
56.417	0.00	0.16	0.092	O					0.51
56.500	0.00	0.16	0.091	O					0.50
56.583	0.00	0.16	0.089	O					0.50
56.667	0.00	0.16	0.088	O					0.49
56.750	0.00	0.16	0.087	O					0.48
56.833	0.00	0.15	0.086	O					0.48
56.917	0.00	0.15	0.085	O					0.47
57.000	0.00	0.15	0.084	O					0.47
57.083	0.00	0.15	0.083	O					0.46
57.167	0.00	0.15	0.082	O					0.46
57.250	0.00	0.14	0.081	O					0.45
57.333	0.00	0.14	0.080	O					0.45
57.417	0.00	0.14	0.079	O					0.44
57.500	0.00	0.14	0.078	O					0.43
57.583	0.00	0.14	0.077	O					0.43
57.667	0.00	0.14	0.076	O					0.42

57.750	0.00	0.13	0.075	O	|	|	|	|	0.42
57.833	0.00	0.13	0.074	O	|	|	|	|	0.41
57.917	0.00	0.13	0.074	O	|	|	|	|	0.41
58.000	0.00	0.13	0.073	O	|	|	|	|	0.40
58.083	0.00	0.13	0.072	O	|	|	|	|	0.40
58.167	0.00	0.13	0.071	O	|	|	|	|	0.39
58.250	0.00	0.12	0.070	O	|	|	|	|	0.39
58.333	0.00	0.12	0.069	O	|	|	|	|	0.38
58.417	0.00	0.12	0.068	O	|	|	|	|	0.38
58.500	0.00	0.12	0.067	O	|	|	|	|	0.37
58.583	0.00	0.12	0.067	O	|	|	|	|	0.37
58.667	0.00	0.12	0.066	O	|	|	|	|	0.37
58.750	0.00	0.12	0.065	O	|	|	|	|	0.36
58.833	0.00	0.11	0.064	O	|	|	|	|	0.36
58.917	0.00	0.11	0.063	O	|	|	|	|	0.35
59.000	0.00	0.11	0.063	O	|	|	|	|	0.35
59.083	0.00	0.11	0.062	O	|	|	|	|	0.34
59.167	0.00	0.11	0.061	O	|	|	|	|	0.34
59.250	0.00	0.11	0.060	O	|	|	|	|	0.34
59.333	0.00	0.11	0.060	O	|	|	|	|	0.33
59.417	0.00	0.10	0.059	O	|	|	|	|	0.33
59.500	0.00	0.10	0.058	O	|	|	|	|	0.32
59.583	0.00	0.10	0.058	O	|	|	|	|	0.32
59.667	0.00	0.10	0.057	O	|	|	|	|	0.32
59.750	0.00	0.10	0.056	O	|	|	|	|	0.31
59.833	0.00	0.10	0.055	O	|	|	|	|	0.31
59.917	0.00	0.10	0.055	O	|	|	|	|	0.30
60.000	0.00	0.10	0.054	O	|	|	|	|	0.30
60.083	0.00	0.10	0.053	O	|	|	|	|	0.30
60.167	0.00	0.09	0.053	O	|	|	|	|	0.29
60.250	0.00	0.09	0.052	O	|	|	|	|	0.29
60.333	0.00	0.09	0.052	O	|	|	|	|	0.29
60.417	0.00	0.09	0.051	O	|	|	|	|	0.28
60.500	0.00	0.09	0.050	O	|	|	|	|	0.28
60.583	0.00	0.09	0.050	O	|	|	|	|	0.28
60.667	0.00	0.09	0.049	O	|	|	|	|	0.27
60.750	0.00	0.09	0.048	O	|	|	|	|	0.27
60.833	0.00	0.09	0.048	O	|	|	|	|	0.27
60.917	0.00	0.08	0.047	O	|	|	|	|	0.26
61.000	0.00	0.08	0.047	O	|	|	|	|	0.26
61.083	0.00	0.08	0.046	O	|	|	|	|	0.26
61.167	0.00	0.08	0.046	O	|	|	|	|	0.25
61.250	0.00	0.08	0.045	O	|	|	|	|	0.25
61.333	0.00	0.08	0.045	O	|	|	|	|	0.25
61.417	0.00	0.08	0.044	O	|	|	|	|	0.24
61.500	0.00	0.08	0.043	O	|	|	|	|	0.24
61.583	0.00	0.08	0.043	O	|	|	|	|	0.24
61.667	0.00	0.08	0.042	O	|	|	|	|	0.24
61.750	0.00	0.07	0.042	O	|	|	|	|	0.23
61.833	0.00	0.07	0.041	O	|	|	|	|	0.23
61.917	0.00	0.07	0.041	O	|	|	|	|	0.23
62.000	0.00	0.07	0.040	O	|	|	|	|	0.22
62.083	0.00	0.07	0.040	O	|	|	|	|	0.22
62.167	0.00	0.07	0.039	O	|	|	|	|	0.22
62.250	0.00	0.07	0.039	O	|	|	|	|	0.22
62.333	0.00	0.07	0.038	O	|	|	|	|	0.21
62.417	0.00	0.07	0.038	O	|	|	|	|	0.21
62.500	0.00	0.07	0.037	O	|	|	|	|	0.21
62.583	0.00	0.07	0.037	O	|	|	|	|	0.21
62.667	0.00	0.07	0.037	O	|	|	|	|	0.20
62.750	0.00	0.06	0.036	O	|	|	|	|	0.20
62.833	0.00	0.06	0.036	O	|	|	|	|	0.20
62.917	0.00	0.06	0.035	O	|	|	|	|	0.20
63.000	0.00	0.06	0.035	O	|	|	|	|	0.19
63.083	0.00	0.06	0.034	O	|	|	|	|	0.19
63.167	0.00	0.06	0.034	O	|	|	|	|	0.19
63.250	0.00	0.06	0.034	O	|	|	|	|	0.19
63.333	0.00	0.06	0.033	O	|	|	|	|	0.18
63.417	0.00	0.06	0.033	O	|	|	|	|	0.18

63.500	0.00	0.06	0.032	O					0.18
63.583	0.00	0.06	0.032	O					0.18
63.667	0.00	0.06	0.032	O					0.18
63.750	0.00	0.06	0.031	O					0.17
63.833	0.00	0.05	0.031	O					0.17
63.917	0.00	0.05	0.030	O					0.17
64.000	0.00	0.05	0.030	O					0.17
64.083	0.00	0.05	0.030	O					0.17
64.167	0.00	0.05	0.029	O					0.16
64.250	0.00	0.05	0.029	O					0.16
64.333	0.00	0.05	0.029	O					0.16
64.417	0.00	0.05	0.028	O					0.16
64.500	0.00	0.05	0.028	O					0.16
64.583	0.00	0.05	0.028	O					0.15
64.667	0.00	0.05	0.027	O					0.15
64.750	0.00	0.05	0.027	O					0.15
64.833	0.00	0.05	0.027	O					0.15
64.917	0.00	0.05	0.026	O					0.15
65.000	0.00	0.05	0.026	O					0.14
65.083	0.00	0.05	0.026	O					0.14
65.167	0.00	0.05	0.025	O					0.14
65.250	0.00	0.04	0.025	O					0.14
65.333	0.00	0.04	0.025	O					0.14
65.417	0.00	0.04	0.024	O					0.14
65.500	0.00	0.04	0.024	O					0.13
65.583	0.00	0.04	0.024	O					0.13
65.667	0.00	0.04	0.024	O					0.13
65.750	0.00	0.04	0.023	O					0.13
65.833	0.00	0.04	0.023	O					0.13
65.917	0.00	0.04	0.023	O					0.13
66.000	0.00	0.04	0.022	O					0.12
66.083	0.00	0.04	0.022	O					0.12
66.167	0.00	0.04	0.022	O					0.12
66.250	0.00	0.04	0.022	O					0.12
66.333	0.00	0.04	0.021	O					0.12
66.417	0.00	0.04	0.021	O					0.12
66.500	0.00	0.04	0.021	O					0.12
66.583	0.00	0.04	0.021	O					0.11
66.667	0.00	0.04	0.020	O					0.11
66.750	0.00	0.04	0.020	O					0.11
66.833	0.00	0.04	0.020	O					0.11
66.917	0.00	0.03	0.020	O					0.11
67.000	0.00	0.03	0.019	O					0.11
67.083	0.00	0.03	0.019	O					0.11
67.167	0.00	0.03	0.019	O					0.10
67.250	0.00	0.03	0.019	O					0.10
67.333	0.00	0.03	0.018	O					0.10
67.417	0.00	0.03	0.018	O					0.10
67.500	0.00	0.03	0.018	O					0.10
67.583	0.00	0.03	0.018	O					0.10
67.667	0.00	0.03	0.018	O					0.10
67.750	0.00	0.03	0.017	O					0.10
67.833	0.00	0.03	0.017	O					0.10
67.917	0.00	0.03	0.017	O					0.09
68.000	0.00	0.03	0.017	O					0.09
68.083	0.00	0.03	0.017	O					0.09
68.167	0.00	0.03	0.016	O					0.09
68.250	0.00	0.03	0.016	O					0.09
68.333	0.00	0.03	0.016	O					0.09
68.417	0.00	0.03	0.016	O					0.09
68.500	0.00	0.03	0.016	O					0.09
68.583	0.00	0.03	0.015	O					0.09
68.667	0.00	0.03	0.015	O					0.08
68.750	0.00	0.03	0.015	O					0.08
68.833	0.00	0.03	0.015	O					0.08
68.917	0.00	0.03	0.015	O					0.08
69.000	0.00	0.03	0.014	O					0.08
69.083	0.00	0.03	0.014	O					0.08
69.167	0.00	0.03	0.014	O					0.08

69.250	0.00	0.02	0.014	O	|	|	|	|	0.08
69.333	0.00	0.02	0.014	O	|	|	|	|	0.08
69.417	0.00	0.02	0.014	O	|	|	|	|	0.08
69.500	0.00	0.02	0.013	O	|	|	|	|	0.07
69.583	0.00	0.02	0.013	O	|	|	|	|	0.07
69.667	0.00	0.02	0.013	O	|	|	|	|	0.07
69.750	0.00	0.02	0.013	O	|	|	|	|	0.07
69.833	0.00	0.02	0.013	O	|	|	|	|	0.07
69.917	0.00	0.02	0.013	O	|	|	|	|	0.07
70.000	0.00	0.02	0.012	O	|	|	|	|	0.07
70.083	0.00	0.02	0.012	O	|	|	|	|	0.07
70.167	0.00	0.02	0.012	O	|	|	|	|	0.07
70.250	0.00	0.02	0.012	O	|	|	|	|	0.07
70.333	0.00	0.02	0.012	O	|	|	|	|	0.07
70.417	0.00	0.02	0.012	O	|	|	|	|	0.07
70.500	0.00	0.02	0.012	O	|	|	|	|	0.06
70.583	0.00	0.02	0.011	O	|	|	|	|	0.06
70.667	0.00	0.02	0.011	O	|	|	|	|	0.06
70.750	0.00	0.02	0.011	O	|	|	|	|	0.06
70.833	0.00	0.02	0.011	O	|	|	|	|	0.06
70.917	0.00	0.02	0.011	O	|	|	|	|	0.06
71.000	0.00	0.02	0.011	O	|	|	|	|	0.06
71.083	0.00	0.02	0.011	O	|	|	|	|	0.06
71.167	0.00	0.02	0.010	O	|	|	|	|	0.06
71.250	0.00	0.02	0.010	O	|	|	|	|	0.06
71.333	0.00	0.02	0.010	O	|	|	|	|	0.06
71.417	0.00	0.02	0.010	O	|	|	|	|	0.06
71.500	0.00	0.02	0.010	O	|	|	|	|	0.06
71.583	0.00	0.02	0.010	O	|	|	|	|	0.05
71.667	0.00	0.02	0.010	O	|	|	|	|	0.05
71.750	0.00	0.02	0.010	O	|	|	|	|	0.05
71.833	0.00	0.02	0.010	O	|	|	|	|	0.05
71.917	0.00	0.02	0.009	O	|	|	|	|	0.05
72.000	0.00	0.02	0.009	O	|	|	|	|	0.05
72.083	0.00	0.02	0.009	O	|	|	|	|	0.05
72.167	0.00	0.02	0.009	O	|	|	|	|	0.05
72.250	0.00	0.02	0.009	O	|	|	|	|	0.05
72.333	0.00	0.02	0.009	O	|	|	|	|	0.05
72.417	0.00	0.02	0.009	O	|	|	|	|	0.05
72.500	0.00	0.02	0.009	O	|	|	|	|	0.05
72.583	0.00	0.02	0.009	O	|	|	|	|	0.05
72.667	0.00	0.01	0.008	O	|	|	|	|	0.05
72.750	0.00	0.01	0.008	O	|	|	|	|	0.05
72.833	0.00	0.01	0.008	O	|	|	|	|	0.05
72.917	0.00	0.01	0.008	O	|	|	|	|	0.05
73.000	0.00	0.01	0.008	O	|	|	|	|	0.04
73.083	0.00	0.01	0.008	O	|	|	|	|	0.04
73.167	0.00	0.01	0.008	O	|	|	|	|	0.04
73.250	0.00	0.01	0.008	O	|	|	|	|	0.04
73.333	0.00	0.01	0.008	O	|	|	|	|	0.04
73.417	0.00	0.01	0.008	O	|	|	|	|	0.04
73.500	0.00	0.01	0.007	O	|	|	|	|	0.04
73.583	0.00	0.01	0.007	O	|	|	|	|	0.04
73.667	0.00	0.01	0.007	O	|	|	|	|	0.04
73.750	0.00	0.01	0.007	O	|	|	|	|	0.04
73.833	0.00	0.01	0.007	O	|	|	|	|	0.04
73.917	0.00	0.01	0.007	O	|	|	|	|	0.04
74.000	0.00	0.01	0.007	O	|	|	|	|	0.04
74.083	0.00	0.01	0.007	O	|	|	|	|	0.04
74.167	0.00	0.01	0.007	O	|	|	|	|	0.04
74.250	0.00	0.01	0.007	O	|	|	|	|	0.04
74.333	0.00	0.01	0.007	O	|	|	|	|	0.04
74.417	0.00	0.01	0.007	O	|	|	|	|	0.04
74.500	0.00	0.01	0.006	O	|	|	|	|	0.04
74.583	0.00	0.01	0.006	O	|	|	|	|	0.04
74.667	0.00	0.01	0.006	O	|	|	|	|	0.03
74.750	0.00	0.01	0.006	O	|	|	|	|	0.03
74.833	0.00	0.01	0.006	O	|	|	|	|	0.03
74.917	0.00	0.01	0.006	O	|	|	|	|	0.03

75.000	0.00	0.01	0.006	O					0.03
75.083	0.00	0.01	0.006	O					0.03
75.167	0.00	0.01	0.006	O					0.03
75.250	0.00	0.01	0.006	O					0.03
75.333	0.00	0.01	0.006	O					0.03
75.417	0.00	0.01	0.006	O					0.03
75.500	0.00	0.01	0.006	O					0.03
75.583	0.00	0.01	0.005	O					0.03
75.667	0.00	0.01	0.005	O					0.03
75.750	0.00	0.01	0.005	O					0.03
75.833	0.00	0.01	0.005	O					0.03
75.917	0.00	0.01	0.005	O					0.03
76.000	0.00	0.01	0.005	O					0.03
76.083	0.00	0.01	0.005	O					0.03
76.167	0.00	0.01	0.005	O					0.03
76.250	0.00	0.01	0.005	O					0.03
76.333	0.00	0.01	0.005	O					0.03
76.417	0.00	0.01	0.005	O					0.03
76.500	0.00	0.01	0.005	O					0.03
76.583	0.00	0.01	0.005	O					0.03
76.667	0.00	0.01	0.005	O					0.03
76.750	0.00	0.01	0.005	O					0.03
76.833	0.00	0.01	0.005	O					0.03
76.917	0.00	0.01	0.005	O					0.03
77.000	0.00	0.01	0.004	O					0.02
77.083	0.00	0.01	0.004	O					0.02
77.167	0.00	0.01	0.004	O					0.02
77.250	0.00	0.01	0.004	O					0.02
77.333	0.00	0.01	0.004	O					0.02
77.417	0.00	0.01	0.004	O					0.02
77.500	0.00	0.01	0.004	O					0.02
77.583	0.00	0.01	0.004	O					0.02
77.667	0.00	0.01	0.004	O					0.02
77.750	0.00	0.01	0.004	O					0.02
77.833	0.00	0.01	0.004	O					0.02
77.917	0.00	0.01	0.004	O					0.02
78.000	0.00	0.01	0.004	O					0.02
78.083	0.00	0.01	0.004	O					0.02
78.167	0.00	0.01	0.004	O					0.02
78.250	0.00	0.01	0.004	O					0.02
78.333	0.00	0.01	0.004	O					0.02
78.417	0.00	0.01	0.004	O					0.02
78.500	0.00	0.01	0.004	O					0.02
78.583	0.00	0.01	0.004	O					0.02
78.667	0.00	0.01	0.003	O					0.02
78.750	0.00	0.01	0.003	O					0.02
78.833	0.00	0.01	0.003	O					0.02
78.917	0.00	0.01	0.003	O					0.02
79.000	0.00	0.01	0.003	O					0.02
79.083	0.00	0.01	0.003	O					0.02
79.167	0.00	0.01	0.003	O					0.02
79.250	0.00	0.01	0.003	O					0.02
79.333	0.00	0.01	0.003	O					0.02
79.417	0.00	0.01	0.003	O					0.02
79.500	0.00	0.01	0.003	O					0.02
79.583	0.00	0.01	0.003	O					0.02
79.667	0.00	0.01	0.003	O					0.02
79.750	0.00	0.01	0.003	O					0.02
79.833	0.00	0.01	0.003	O					0.02
79.917	0.00	0.01	0.003	O					0.02
80.000	0.00	0.01	0.003	O					0.02
80.083	0.00	0.01	0.003	O					0.02
80.167	0.00	0.00	0.003	O					0.02
80.250	0.00	0.00	0.003	O					0.02
80.333	0.00	0.00	0.003	O					0.02
80.417	0.00	0.00	0.003	O					0.01
80.500	0.00	0.00	0.003	O					0.01
80.583	0.00	0.00	0.003	O					0.01
80.667	0.00	0.00	0.003	O					0.01

80.750	0.00	0.00	0.003	O					0.01
80.833	0.00	0.00	0.003	O					0.01
80.917	0.00	0.00	0.003	O					0.01
81.000	0.00	0.00	0.002	O					0.01
81.083	0.00	0.00	0.002	O					0.01
81.167	0.00	0.00	0.002	O					0.01
81.250	0.00	0.00	0.002	O					0.01
81.333	0.00	0.00	0.002	O					0.01
81.417	0.00	0.00	0.002	O					0.01
81.500	0.00	0.00	0.002	O					0.01
81.583	0.00	0.00	0.002	O					0.01
81.667	0.00	0.00	0.002	O					0.01
81.750	0.00	0.00	0.002	O					0.01
81.833	0.00	0.00	0.002	O					0.01
81.917	0.00	0.00	0.002	O					0.01
82.000	0.00	0.00	0.002	O					0.01
82.083	0.00	0.00	0.002	O					0.01
82.167	0.00	0.00	0.002	O					0.01
82.250	0.00	0.00	0.002	O					0.01
82.333	0.00	0.00	0.002	O					0.01
82.417	0.00	0.00	0.002	O					0.01
82.500	0.00	0.00	0.002	O					0.01
82.583	0.00	0.00	0.002	O					0.01
82.667	0.00	0.00	0.002	O					0.01
82.750	0.00	0.00	0.002	O					0.01
82.833	0.00	0.00	0.002	O					0.01
82.917	0.00	0.00	0.002	O					0.01
83.000	0.00	0.00	0.002	O					0.01
83.083	0.00	0.00	0.002	O					0.01
83.167	0.00	0.00	0.002	O					0.01
83.250	0.00	0.00	0.002	O					0.01
83.333	0.00	0.00	0.002	O					0.01
83.417	0.00	0.00	0.002	O					0.01
83.500	0.00	0.00	0.002	O					0.01
83.583	0.00	0.00	0.002	O					0.01
83.667	0.00	0.00	0.002	O					0.01
83.750	0.00	0.00	0.002	O					0.01
83.833	0.00	0.00	0.002	O					0.01
83.917	0.00	0.00	0.002	O					0.01
84.000	0.00	0.00	0.002	O					0.01
84.083	0.00	0.00	0.002	O					0.01
84.167	0.00	0.00	0.002	O					0.01
84.250	0.00	0.00	0.002	O					0.01
84.333	0.00	0.00	0.002	O					0.01
84.417	0.00	0.00	0.001	O					0.01
84.500	0.00	0.00	0.001	O					0.01
84.583	0.00	0.00	0.001	O					0.01
84.667	0.00	0.00	0.001	O					0.01
84.750	0.00	0.00	0.001	O					0.01
84.833	0.00	0.00	0.001	O					0.01
84.917	0.00	0.00	0.001	O					0.01
85.000	0.00	0.00	0.001	O					0.01
85.083	0.00	0.00	0.001	O					0.01
85.167	0.00	0.00	0.001	O					0.01
85.250	0.00	0.00	0.001	O					0.01
85.333	0.00	0.00	0.001	O					0.01
85.417	0.00	0.00	0.001	O					0.01
85.500	0.00	0.00	0.001	O					0.01
85.583	0.00	0.00	0.001	O					0.01
85.667	0.00	0.00	0.001	O					0.01
85.750	0.00	0.00	0.001	O					0.01
85.833	0.00	0.00	0.001	O					0.01
85.917	0.00	0.00	0.001	O					0.01
86.000	0.00	0.00	0.001	O					0.01
86.083	0.00	0.00	0.001	O					0.01
86.167	0.00	0.00	0.001	O					0.01
86.250	0.00	0.00	0.001	O					0.01
86.333	0.00	0.00	0.001	O					0.01
86.417	0.00	0.00	0.001	O					0.01

86.500	0.00	0.00	0.001	O	|	|	|	|	0.01
86.583	0.00	0.00	0.001	O	|	|	|	|	0.01
86.667	0.00	0.00	0.001	O	|	|	|	|	0.01
86.750	0.00	0.00	0.001	O	|	|	|	|	0.01
86.833	0.00	0.00	0.001	O	|	|	|	|	0.01
86.917	0.00	0.00	0.001	O	|	|	|	|	0.01
87.000	0.00	0.00	0.001	O	|	|	|	|	0.01
87.083	0.00	0.00	0.001	O	|	|	|	|	0.01
87.167	0.00	0.00	0.001	O	|	|	|	|	0.01
87.250	0.00	0.00	0.001	O	|	|	|	|	0.01
87.333	0.00	0.00	0.001	O	|	|	|	|	0.01
87.417	0.00	0.00	0.001	O	|	|	|	|	0.01
87.500	0.00	0.00	0.001	O	|	|	|	|	0.01
87.583	0.00	0.00	0.001	O	|	|	|	|	0.01
87.667	0.00	0.00	0.001	O	|	|	|	|	0.01
87.750	0.00	0.00	0.001	O	|	|	|	|	0.01
87.833	0.00	0.00	0.001	O	|	|	|	|	0.01
87.917	0.00	0.00	0.001	O	|	|	|	|	0.00
88.000	0.00	0.00	0.001	O	|	|	|	|	0.00
88.083	0.00	0.00	0.001	O	|	|	|	|	0.00
88.167	0.00	0.00	0.001	O	|	|	|	|	0.00
88.250	0.00	0.00	0.001	O	|	|	|	|	0.00
88.333	0.00	0.00	0.001	O	|	|	|	|	0.00
88.417	0.00	0.00	0.001	O	|	|	|	|	0.00
88.500	0.00	0.00	0.001	O	|	|	|	|	0.00
88.583	0.00	0.00	0.001	O	|	|	|	|	0.00
88.667	0.00	0.00	0.001	O	|	|	|	|	0.00
88.750	0.00	0.00	0.001	O	|	|	|	|	0.00
88.833	0.00	0.00	0.001	O	|	|	|	|	0.00
88.917	0.00	0.00	0.001	O	|	|	|	|	0.00
89.000	0.00	0.00	0.001	O	|	|	|	|	0.00
89.083	0.00	0.00	0.001	O	|	|	|	|	0.00
89.167	0.00	0.00	0.001	O	|	|	|	|	0.00
89.250	0.00	0.00	0.001	O	|	|	|	|	0.00
89.333	0.00	0.00	0.001	O	|	|	|	|	0.00
89.417	0.00	0.00	0.001	O	|	|	|	|	0.00
89.500	0.00	0.00	0.001	O	|	|	|	|	0.00
89.583	0.00	0.00	0.001	O	|	|	|	|	0.00
89.667	0.00	0.00	0.001	O	|	|	|	|	0.00
89.750	0.00	0.00	0.001	O	|	|	|	|	0.00
89.833	0.00	0.00	0.001	O	|	|	|	|	0.00
89.917	0.00	0.00	0.001	O	|	|	|	|	0.00
90.000	0.00	0.00	0.001	O	|	|	|	|	0.00
90.083	0.00	0.00	0.001	O	|	|	|	|	0.00
90.167	0.00	0.00	0.001	O	|	|	|	|	0.00
90.250	0.00	0.00	0.001	O	|	|	|	|	0.00
90.333	0.00	0.00	0.001	O	|	|	|	|	0.00
90.417	0.00	0.00	0.001	O	|	|	|	|	0.00
90.500	0.00	0.00	0.001	O	|	|	|	|	0.00
90.583	0.00	0.00	0.001	O	|	|	|	|	0.00
90.667	0.00	0.00	0.001	O	|	|	|	|	0.00
90.750	0.00	0.00	0.001	O	|	|	|	|	0.00
90.833	0.00	0.00	0.001	O	|	|	|	|	0.00
90.917	0.00	0.00	0.001	O	|	|	|	|	0.00
91.000	0.00	0.00	0.001	O	|	|	|	|	0.00
91.083	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 1093
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.441 (CFS)
Total volume = 4.024 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

FLOOD HYDROGRAPH ROUTING PROGRAM
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********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRD1100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 5
Time interval = 15.0 (Min.)
Maximum/Peak flow rate = 40.942 (CFS)
Total volume = 2.071 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

BASIN ROUTING- BASIN D
100YR-1HR STORM

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 5
Hydrograph time unit = 15.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.180	0.320	0.177	0.183
2.000	0.400	0.490	0.395	0.405
3.000	0.670	0.610	0.664	0.676
4.000	0.990	0.710	0.983	0.997
5.000	1.360	0.800	1.352	1.368
6.000	1.770	0.880	1.761	1.779
7.000	2.250	7.770	2.170	2.330
8.000	2.780	12.820	2.648	2.912
9.000	3.370	16.310	3.202	3.538
10.000	4.020	85.760	3.134	4.906

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 10.2 20.47 30.71 40.94	Depth (Ft.)
0.250	8.07	0.15	0.082	O I | | | |	0.45
0.500	14.20	0.42	0.306	O | I | | |	1.57

0.750	26.56	0.62	0.716	O	|	|	I |	|	3.14	
1.000	40.94	0.81	1.399	O	|	|	|	I	5.09	
1.250	10.48	2.66	1.894	| O	I	|	|	|	6.26	
1.500	0.00	**3.33**	**1.941**	**I O**	**|**	**|**	**|**	**|**	**6.36**	**PEAK OUTFLOW**
1.750	0.00	2.47	1.881	IO	|	|	|	|	6.23	**MAX DEPTH**
2.000	0.00	1.83	1.836	IO	|	|	|	|	6.14	
2.250	0.00	1.36	1.803	IO	|	|	|	|	6.07	
2.500	0.00	1.01	1.779	O	|	|	|	|	6.02	
2.750	0.00	0.88	1.759	O	|	|	|	|	5.97	
3.000	0.00	0.87	1.741	O	|	|	|	|	5.93	
3.250	0.00	0.87	1.723	O	|	|	|	|	5.89	
3.500	0.00	0.87	1.705	O	|	|	|	|	5.84	
3.750	0.00	0.86	1.687	O	|	|	|	|	5.80	
4.000	0.00	0.86	1.670	O	|	|	|	|	5.76	
4.250	0.00	0.86	1.652	O	|	|	|	|	5.71	
4.500	0.00	0.85	1.634	O	|	|	|	|	5.67	
4.750	0.00	0.85	1.617	O	|	|	|	|	5.63	
5.000	0.00	0.85	1.599	O	|	|	|	|	5.58	
5.250	0.00	0.84	1.582	O	|	|	|	|	5.54	
5.500	0.00	0.84	1.564	O	|	|	|	|	5.50	
5.750	0.00	0.84	1.547	O	|	|	|	|	5.46	
6.000	0.00	0.83	1.530	O	|	|	|	|	5.41	
6.250	0.00	0.83	1.512	O	|	|	|	|	5.37	
6.500	0.00	0.83	1.495	O	|	|	|	|	5.33	
6.750	0.00	0.82	1.478	O	|	|	|	|	5.29	
7.000	0.00	0.82	1.461	O	|	|	|	|	5.25	
7.250	0.00	0.82	1.444	O	|	|	|	|	5.21	
7.500	0.00	0.81	1.428	O	|	|	|	|	5.16	
7.750	0.00	0.81	1.411	O	|	|	|	|	5.12	
8.000	0.00	0.81	1.394	O	|	|	|	|	5.08	
8.250	0.00	0.80	1.378	O	|	|	|	|	5.04	
8.500	0.00	0.80	1.361	O	|	|	|	|	5.00	
8.750	0.00	0.80	1.344	O	|	|	|	|	4.96	
9.000	0.00	0.79	1.328	O	|	|	|	|	4.91	
9.250	0.00	0.79	1.312	O	|	|	|	|	4.87	
9.500	0.00	0.78	1.295	O	|	|	|	|	4.83	
9.750	0.00	0.78	1.279	O	|	|	|	|	4.78	
10.000	0.00	0.78	1.263	O	|	|	|	|	4.74	
10.250	0.00	0.77	1.247	O	|	|	|	|	4.70	
10.500	0.00	0.77	1.231	O	|	|	|	|	4.65	
10.750	0.00	0.76	1.215	O	|	|	|	|	4.61	
11.000	0.00	0.76	1.200	O	|	|	|	|	4.57	
11.250	0.00	0.76	1.184	O	|	|	|	|	4.52	
11.500	0.00	0.75	1.168	O	|	|	|	|	4.48	
11.750	0.00	0.75	1.153	O	|	|	|	|	4.44	
12.000	0.00	0.75	1.137	O	|	|	|	|	4.40	
12.250	0.00	0.74	1.122	O	|	|	|	|	4.36	
12.500	0.00	0.74	1.107	O	|	|	|	|	4.32	
12.750	0.00	0.73	1.092	O	|	|	|	|	4.27	
13.000	0.00	0.73	1.076	O	|	|	|	|	4.23	
13.250	0.00	0.73	1.061	O	|	|	|	|	4.19	
13.500	0.00	0.72	1.046	O	|	|	|	|	4.15	
13.750	0.00	0.72	1.031	O	|	|	|	|	4.11	
14.000	0.00	0.72	1.017	O	|	|	|	|	4.07	
14.250	0.00	0.71	1.002	O	|	|	|	|	4.03	
14.500	0.00	0.71	0.987	O	|	|	|	|	3.99	
14.750	0.00	0.70	0.973	O	|	|	|	|	3.95	
15.000	0.00	0.70	0.958	O	|	|	|	|	3.90	
15.250	0.00	0.70	0.944	O	|	|	|	|	3.86	
15.500	0.00	0.69	0.929	O	|	|	|	|	3.81	
15.750	0.00	0.69	0.915	O	|	|	|	|	3.77	
16.000	0.00	0.68	0.901	O	|	|	|	|	3.72	
16.250	0.00	0.68	0.887	O	|	|	|	|	3.68	
16.500	0.00	0.67	0.873	O	|	|	|	|	3.63	
16.750	0.00	0.67	0.859	O	|	|	|	|	3.59	
17.000	0.00	0.66	0.845	O	|	|	|	|	3.55	
17.250	0.00	0.66	0.832	O	|	|	|	|	3.50	

17.500	0.00	0.66	0.818	O	|	|	|	| 3.46
17.750	0.00	0.65	0.804	O	|	|	|	| 3.42
18.000	0.00	0.65	0.791	O	|	|	|	| 3.38
18.250	0.00	0.64	0.778	O	|	|	|	| 3.34
18.500	0.00	0.64	0.764	O	|	|	|	| 3.30
18.750	0.00	0.64	0.751	O	|	|	|	| 3.25
19.000	0.00	0.63	0.738	O	|	|	|	| 3.21
19.250	0.00	0.63	0.725	O	|	|	|	| 3.17
19.500	0.00	0.62	0.712	O	|	|	|	| 3.13
19.750	0.00	0.62	0.699	O	|	|	|	| 3.09
20.000	0.00	0.62	0.687	O	|	|	|	| 3.05
20.250	0.00	0.61	0.674	O	|	|	|	| 3.01
20.500	0.00	0.61	0.661	O	|	|	|	| 2.97
20.750	0.00	0.60	0.649	O	|	|	|	| 2.92
21.000	0.00	0.60	0.637	O	|	|	|	| 2.88
21.250	0.00	0.59	0.624	O	|	|	|	| 2.83
21.500	0.00	0.58	0.612	O	|	|	|	| 2.79
21.750	0.00	0.58	0.600	O	|	|	|	| 2.74
22.000	0.00	0.57	0.588	O	|	|	|	| 2.70
22.250	0.00	0.57	0.577	O	|	|	|	| 2.65
22.500	0.00	0.56	0.565	O	|	|	|	| 2.61
22.750	0.00	0.56	0.553	O	|	|	|	| 2.57
23.000	0.00	0.55	0.542	O	|	|	|	| 2.53
23.250	0.00	0.55	0.530	O	|	|	|	| 2.48
23.500	0.00	0.54	0.519	O	|	|	|	| 2.44
23.750	0.00	0.54	0.508	O	|	|	|	| 2.40
24.000	0.00	0.53	0.497	O	|	|	|	| 2.36
24.250	0.00	0.53	0.486	O	|	|	|	| 2.32
24.500	0.00	0.52	0.475	O	|	|	|	| 2.28
24.750	0.00	0.52	0.464	O	|	|	|	| 2.24
25.000	0.00	0.51	0.454	O	|	|	|	| 2.20
25.250	0.00	0.51	0.443	O	|	|	|	| 2.16
25.500	0.00	0.50	0.433	O	|	|	|	| 2.12
25.750	0.00	0.50	0.422	O	|	|	|	| 2.08
26.000	0.00	0.50	0.412	O	|	|	|	| 2.04
26.250	0.00	0.49	0.402	O	|	|	|	| 2.01
26.500	0.00	0.48	0.392	O	|	|	|	| 1.96
26.750	0.00	0.48	0.382	O	|	|	|	| 1.92
27.000	0.00	0.47	0.372	O	|	|	|	| 1.87
27.250	0.00	0.46	0.362	O	|	|	|	| 1.83
27.500	0.00	0.45	0.353	O	|	|	|	| 1.79
27.750	0.00	0.45	0.344	O	|	|	|	| 1.74
28.000	0.00	0.44	0.335	O	|	|	|	| 1.70
28.250	0.00	0.43	0.326	O	|	|	|	| 1.66
28.500	0.00	0.43	0.317	O	|	|	|	| 1.62
28.750	0.00	0.42	0.308	O	|	|	|	| 1.58
29.000	0.00	0.41	0.299	O	|	|	|	| 1.54
29.250	0.00	0.41	0.291	O	|	|	|	| 1.50
29.500	0.00	0.40	0.283	O	|	|	|	| 1.47
29.750	0.00	0.39	0.274	O	|	|	|	| 1.43
30.000	0.00	0.39	0.266	O	|	|	|	| 1.39
30.250	0.00	0.38	0.258	O	|	|	|	| 1.36
30.500	0.00	0.37	0.251	O	|	|	|	| 1.32
30.750	0.00	0.37	0.243	O	|	|	|	| 1.29
31.000	0.00	0.36	0.235	O	|	|	|	| 1.25
31.250	0.00	0.36	0.228	O	|	|	|	| 1.22
31.500	0.00	0.35	0.221	O	|	|	|	| 1.18
31.750	0.00	0.35	0.213	O	|	|	|	| 1.15
32.000	0.00	0.34	0.206	O	|	|	|	| 1.12
32.250	0.00	0.33	0.199	O	|	|	|	| 1.09
32.500	0.00	0.33	0.192	O	|	|	|	| 1.06
32.750	0.00	0.32	0.186	O	|	|	|	| 1.03
33.000	0.00	0.32	0.179	O	|	|	|	| 0.99
33.250	0.00	0.31	0.173	O	|	|	|	| 0.96
33.500	0.00	0.30	0.166	O	|	|	|	| 0.92
33.750	0.00	0.29	0.160	O	|	|	|	| 0.89
34.000	0.00	0.27	0.155	O	|	|	|	| 0.86

34.250	0.00	0.26	0.149	O	|	|	|	0.83
34.500	0.00	0.26	0.144	O	|	|	|	0.80
34.750	0.00	0.25	0.138	O	|	|	|	0.77
35.000	0.00	0.24	0.133	O	|	|	|	0.74
35.250	0.00	0.23	0.129	O	|	|	|	0.71
35.500	0.00	0.22	0.124	O	|	|	|	0.69
35.750	0.00	0.21	0.120	O	|	|	|	0.66
36.000	0.00	0.20	0.115	O	|	|	|	0.64
36.250	0.00	0.20	0.111	O	|	|	|	0.62
36.500	0.00	0.19	0.107	O	|	|	|	0.59
36.750	0.00	0.18	0.103	O	|	|	|	0.57
37.000	0.00	0.18	0.099	O	|	|	|	0.55
37.250	0.00	0.17	0.096	O	|	|	|	0.53
37.500	0.00	0.16	0.092	O	|	|	|	0.51
37.750	0.00	0.16	0.089	O	|	|	|	0.50
38.000	0.00	0.15	0.086	O	|	|	|	0.48
38.250	0.00	0.15	0.083	O	|	|	|	0.46
38.500	0.00	0.14	0.080	O	|	|	|	0.44
38.750	0.00	0.14	0.077	O	|	|	|	0.43
39.000	0.00	0.13	0.074	O	|	|	|	0.41
39.250	0.00	0.13	0.071	O	|	|	|	0.40
39.500	0.00	0.12	0.069	O	|	|	|	0.38
39.750	0.00	0.12	0.066	O	|	|	|	0.37
40.000	0.00	0.11	0.064	O	|	|	|	0.36
40.250	0.00	0.11	0.062	O	|	|	|	0.34
40.500	0.00	0.11	0.059	O	|	|	|	0.33
40.750	0.00	0.10	0.057	O	|	|	|	0.32
41.000	0.00	0.10	0.055	O	|	|	|	0.31
41.250	0.00	0.09	0.053	O	|	|	|	0.30
41.500	0.00	0.09	0.051	O	|	|	|	0.29
41.750	0.00	0.09	0.050	O	|	|	|	0.28
42.000	0.00	0.08	0.048	O	|	|	|	0.27
42.250	0.00	0.08	0.046	O	|	|	|	0.26
42.500	0.00	0.08	0.044	O	|	|	|	0.25
42.750	0.00	0.08	0.043	O	|	|	|	0.24
43.000	0.00	0.07	0.041	O	|	|	|	0.23
43.250	0.00	0.07	0.040	O	|	|	|	0.22
43.500	0.00	0.07	0.038	O	|	|	|	0.21
43.750	0.00	0.07	0.037	O	|	|	|	0.21
44.000	0.00	0.06	0.036	O	|	|	|	0.20
44.250	0.00	0.06	0.034	O	|	|	|	0.19
44.500	0.00	0.06	0.033	O	|	|	|	0.18
44.750	0.00	0.06	0.032	O	|	|	|	0.18
45.000	0.00	0.05	0.031	O	|	|	|	0.17
45.250	0.00	0.05	0.030	O	|	|	|	0.16
45.500	0.00	0.05	0.029	O	|	|	|	0.16
45.750	0.00	0.05	0.028	O	|	|	|	0.15
46.000	0.00	0.05	0.027	O	|	|	|	0.15
46.250	0.00	0.05	0.026	O	|	|	|	0.14
46.500	0.00	0.04	0.025	O	|	|	|	0.14
46.750	0.00	0.04	0.024	O	|	|	|	0.13
47.000	0.00	0.04	0.023	O	|	|	|	0.13
47.250	0.00	0.04	0.022	O	|	|	|	0.12
47.500	0.00	0.04	0.021	O	|	|	|	0.12
47.750	0.00	0.04	0.021	O	|	|	|	0.11
48.000	0.00	0.04	0.020	O	|	|	|	0.11
48.250	0.00	0.03	0.019	O	|	|	|	0.11
48.500	0.00	0.03	0.018	O	|	|	|	0.10
48.750	0.00	0.03	0.018	O	|	|	|	0.10
49.000	0.00	0.03	0.017	O	|	|	|	0.09
49.250	0.00	0.03	0.016	O	|	|	|	0.09
49.500	0.00	0.03	0.016	O	|	|	|	0.09
49.750	0.00	0.03	0.015	O	|	|	|	0.08
50.000	0.00	0.03	0.015	O	|	|	|	0.08
50.250	0.00	0.03	0.014	O	|	|	|	0.08
50.500	0.00	0.02	0.014	O	|	|	|	0.08
50.750	0.00	0.02	0.013	O	|	|	|	0.07

51.000	0.00	0.02	0.013	O	|	|	|	|	0.07
51.250	0.00	0.02	0.012	O	|	|	|	|	0.07
51.500	0.00	0.02	0.012	O	|	|	|	|	0.07
51.750	0.00	0.02	0.011	O	|	|	|	|	0.06
52.000	0.00	0.02	0.011	O	|	|	|	|	0.06
52.250	0.00	0.02	0.011	O	|	|	|	|	0.06
52.500	0.00	0.02	0.010	O	|	|	|	|	0.06
52.750	0.00	0.02	0.010	O	|	|	|	|	0.05
53.000	0.00	0.02	0.009	O	|	|	|	|	0.05
53.250	0.00	0.02	0.009	O	|	|	|	|	0.05
53.500	0.00	0.02	0.009	O	|	|	|	|	0.05
53.750	0.00	0.02	0.008	O	|	|	|	|	0.05
54.000	0.00	0.01	0.008	O	|	|	|	|	0.05
54.250	0.00	0.01	0.008	O	|	|	|	|	0.04
54.500	0.00	0.01	0.008	O	|	|	|	|	0.04
54.750	0.00	0.01	0.007	O	|	|	|	|	0.04
55.000	0.00	0.01	0.007	O	|	|	|	|	0.04
55.250	0.00	0.01	0.007	O	|	|	|	|	0.04
55.500	0.00	0.01	0.007	O	|	|	|	|	0.04
55.750	0.00	0.01	0.006	O	|	|	|	|	0.04
56.000	0.00	0.01	0.006	O	|	|	|	|	0.03
56.250	0.00	0.01	0.006	O	|	|	|	|	0.03
56.500	0.00	0.01	0.006	O	|	|	|	|	0.03
56.750	0.00	0.01	0.005	O	|	|	|	|	0.03
57.000	0.00	0.01	0.005	O	|	|	|	|	0.03
57.250	0.00	0.01	0.005	O	|	|	|	|	0.03
57.500	0.00	0.01	0.005	O	|	|	|	|	0.03
57.750	0.00	0.01	0.005	O	|	|	|	|	0.03
58.000	0.00	0.01	0.005	O	|	|	|	|	0.03
58.250	0.00	0.01	0.004	O	|	|	|	|	0.02
58.500	0.00	0.01	0.004	O	|	|	|	|	0.02
58.750	0.00	0.01	0.004	O	|	|	|	|	0.02
59.000	0.00	0.01	0.004	O	|	|	|	|	0.02
59.250	0.00	0.01	0.004	O	|	|	|	|	0.02
59.500	0.00	0.01	0.004	O	|	|	|	|	0.02
59.750	0.00	0.01	0.004	O	|	|	|	|	0.02
60.000	0.00	0.01	0.003	O	|	|	|	|	0.02
60.250	0.00	0.01	0.003	O	|	|	|	|	0.02
60.500	0.00	0.01	0.003	O	|	|	|	|	0.02
60.750	0.00	0.01	0.003	O	|	|	|	|	0.02
61.000	0.00	0.01	0.003	O	|	|	|	|	0.02
61.250	0.00	0.01	0.003	O	|	|	|	|	0.02
61.500	0.00	0.00	0.003	O	|	|	|	|	0.02
61.750	0.00	0.00	0.003	O	|	|	|	|	0.01
62.000	0.00	0.00	0.003	O	|	|	|	|	0.01
62.250	0.00	0.00	0.002	O	|	|	|	|	0.01
62.500	0.00	0.00	0.002	O	|	|	|	|	0.01
62.750	0.00	0.00	0.002	O	|	|	|	|	0.01
63.000	0.00	0.00	0.002	O	|	|	|	|	0.01
63.250	0.00	0.00	0.002	O	|	|	|	|	0.01
63.500	0.00	0.00	0.002	O	|	|	|	|	0.01
63.750	0.00	0.00	0.002	O	|	|	|	|	0.01
64.000	0.00	0.00	0.002	O	|	|	|	|	0.01
64.250	0.00	0.00	0.002	O	|	|	|	|	0.01
64.500	0.00	0.00	0.002	O	|	|	|	|	0.01
64.750	0.00	0.00	0.002	O	|	|	|	|	0.01
65.000	0.00	0.00	0.002	O	|	|	|	|	0.01
65.250	0.00	0.00	0.002	O	|	|	|	|	0.01
65.500	0.00	0.00	0.002	O	|	|	|	|	0.01
65.750	0.00	0.00	0.001	O	|	|	|	|	0.01
66.000	0.00	0.00	0.001	O	|	|	|	|	0.01
66.250	0.00	0.00	0.001	O	|	|	|	|	0.01
66.500	0.00	0.00	0.001	O	|	|	|	|	0.01
66.750	0.00	0.00	0.001	O	|	|	|	|	0.01
67.000	0.00	0.00	0.001	O	|	|	|	|	0.01
67.250	0.00	0.00	0.001	O	|	|	|	|	0.01
67.500	0.00	0.00	0.001	O	|	|	|	|	0.01

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67.750    0.00    0.00      0.001  O       |       |       |       |     0.01
68.000    0.00    0.00      0.001  O       |       |       |       |     0.01
68.250    0.00    0.00      0.001  O       |       |       |       |     0.01
68.500    0.00    0.00      0.001  O       |       |       |       |     0.01
68.750    0.00    0.00      0.001  O       |       |       |       |     0.01
69.000    0.00    0.00      0.001  O       |       |       |       |     0.01
69.250    0.00    0.00      0.001  O       |       |       |       |     0.00
69.500    0.00    0.00      0.001  O       |       |       |       |     0.00
69.750    0.00    0.00      0.001  O       |       |       |       |     0.00
70.000    0.00    0.00      0.001  O       |       |       |       |     0.00
70.250    0.00    0.00      0.001  O       |       |       |       |     0.00
70.500    0.00    0.00      0.001  O       |       |       |       |     0.00
70.750    0.00    0.00      0.001  O       |       |       |       |     0.00
71.000    0.00    0.00      0.001  O       |       |       |       |     0.00
71.250    0.00    0.00      0.001  O       |       |       |       |     0.00
71.500    0.00    0.00      0.001  O       |       |       |       |     0.00
71.750    0.00    0.00      0.001  O       |       |       |       |     0.00
72.000    0.00    0.00      0.001  O       |       |       |       |     0.00
72.250    0.00    0.00      0.001  O       |       |       |       |     0.00

      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =   289
                  Time interval =   15.0 (Min.)
                  Maximum/Peak flow rate =        3.329 (CFS)
                  Total volume =       2.071 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ***********************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/10/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRD3100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 39
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 35.801 (CFS)
Total volume = 2.879 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

BASIN ROUTING- BASIN D
100YR-3HR STORM

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 39
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.180	0.320	0.179	0.181
2.000	0.400	0.490	0.398	0.402
3.000	0.670	0.610	0.668	0.672
4.000	0.990	0.710	0.988	0.992
5.000	1.360	0.800	1.357	1.363
6.000	1.770	0.880	1.767	1.773
7.000	2.250	7.770	2.223	2.277
8.000	2.780	12.820	2.736	2.824
9.000	3.370	16.310	3.314	3.426
10.000	4.020	85.760	3.725	4.315

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 9.0 17.90 26.85 35.80	Depth (Ft.)
0.083	1.82	0.01	0.006	OI | | | |	0.03
0.167	3.54	0.04	0.025	O I | | | |	0.14

0.250	3.42	0.09	0.048	O	I	|	|	|	|	0.27
0.333	4.06	0.13	0.073	O	I	|	|	|	|	0.41
0.417	4.85	0.18	0.103	O	I	|	|	|	|	0.57
0.500	5.67	0.24	0.137	O	I	|	|	|	|	0.76
0.583	5.71	0.31	0.175	O	I	|	|	|	|	0.97
0.667	5.88	0.35	0.212	O	I	|	|	|	|	1.15
0.750	6.46	0.38	0.252	O	I	|	|	|	|	1.33
0.833	5.84	0.41	0.292	O	I	|	|	|	|	1.51
0.917	5.48	0.43	0.328	O	I	|	|	|	|	1.67
1.000	6.03	0.46	0.365	O	I	|	|	|	|	1.84
1.083	7.37	0.49	0.407	O	I	|	|	|	|	2.03
1.167	8.34	0.52	0.458	O	I	|	|	|	|	2.22
1.250	8.56	0.54	0.513	O	I	|	|	|	|	2.42
1.333	8.17	0.56	0.566	O	I	|	|	|	|	2.62
1.417	9.12	0.59	0.622	O	I	|	|	|	|	2.82
1.500	10.57	0.61	0.686	O	I	|	|	|	|	3.05
1.583	10.32	0.64	0.753	O	I	|	|	|	|	3.26
1.667	10.51	0.66	0.821	O	I	|	|	|	|	3.47
1.750	12.44	0.68	0.895	O	I	|	|	|	|	3.70
1.833	13.36	0.71	0.979	O	I	|	|	|	|	3.97
1.917	12.78	0.73	1.064	O	I	|	|	|	|	4.20
2.000	12.60	0.75	1.146	O	I	|	|	|	|	4.42
2.083	12.93	0.77	1.229	O	I	|	|	|	|	4.65
2.167	15.68	0.79	1.322	O	|	I	|	|	|	4.90
2.250	19.99	0.82	1.440	O	|	|	I	|	|	5.19
2.333	18.76	0.84	1.567	O	|	|	I	|	|	5.51
2.417	23.66	0.87	1.708	O	|	|	|	I	|	5.85
2.500	31.52	2.54	1.886	|	O	|	|	|	I	|	6.24
2.583	35.80	5.47	2.090	|	|	O	|	|	|	I	6.67
2.667	33.32	8.07	2.281	|	|	O	|	|	I	|	7.06
2.750	19.81	9.24	2.405	|	|	O	|	I	|	|	7.29
2.833	10.04	**9.61**	**2.443**	**|**	**|**	**O**	**|**	**|**	**|**	**7.36** **PEAK OUTFLOW**
2.917	7.48	9.55	2.437	|	|	I	O	|	|	7.35 **MAX DEPTH**
3.000	4.30	9.32	2.413	|	I	|	O	|	|	7.31
3.083	1.41	8.91	2.369	|	I	|	O	|	|	7.23
3.167	0.37	8.40	2.316	I	|	|	O	|	|	7.12
3.250	0.05	7.88	2.261	I	|	|	O	|	|	7.02
3.333	0.00	7.19	2.210	I	|	O	|	|	|	6.92
3.417	0.00	6.51	2.162	I	|	O	|	|	|	6.82
3.500	0.00	5.90	2.120	I	|	O	|	|	|	6.73
3.583	0.00	5.34	2.081	I	|	O	|	|	|	6.65
3.667	0.00	4.84	2.046	I	|	O	|	|	|	6.57
3.750	0.00	4.38	2.014	I	|	O	|	|	|	6.51
3.833	0.00	3.97	1.985	I	|	O	|	|	|	6.45
3.917	0.00	3.60	1.959	I	|	O	|	|	|	6.39
4.000	0.00	3.26	1.936	I	O	|	|	|	|	6.35
4.083	0.00	2.95	1.914	I	O	|	|	|	|	6.30
4.167	0.00	2.67	1.895	I	O	|	|	|	|	6.26
4.250	0.00	2.42	1.877	I	O	|	|	|	|	6.22
4.333	0.00	2.19	1.862	I	O	|	|	|	|	6.19
4.417	0.00	1.99	1.847	I	O	|	|	|	|	6.16
4.500	0.00	1.80	1.834	I	O	|	|	|	|	6.13
4.583	0.00	1.63	1.822	I	O	|	|	|	|	6.11
4.667	0.00	1.48	1.812	I	O	|	|	|	|	6.09
4.750	0.00	1.34	1.802	I	O	|	|	|	|	6.07
4.833	0.00	1.21	1.793	I	O	|	|	|	|	6.05
4.917	0.00	1.10	1.785	O	|	|	|	|	|	6.03
5.000	0.00	0.99	1.778	O	|	|	|	|	|	6.02
5.083	0.00	0.90	1.771	O	|	|	|	|	|	6.00
5.167	0.00	0.88	1.765	O	|	|	|	|	|	5.99
5.250	0.00	0.88	1.759	O	|	|	|	|	|	5.97
5.333	0.00	0.88	1.753	O	|	|	|	|	|	5.96
5.417	0.00	0.88	1.747	O	|	|	|	|	|	5.94
5.500	0.00	0.87	1.741	O	|	|	|	|	|	5.93
5.583	0.00	0.87	1.735	O	|	|	|	|	|	5.91
5.667	0.00	0.87	1.729	O	|	|	|	|	|	5.90
5.750	0.00	0.87	1.723	O	|	|	|	|	|	5.89

5.833	0.00	0.87	1.717	O	|	|	|	5.87
5.917	0.00	0.87	1.711	O	|	|	|	5.86
6.000	0.00	0.87	1.705	O	|	|	|	5.84
6.083	0.00	0.87	1.699	O	|	|	|	5.83
6.167	0.00	0.87	1.693	O	|	|	|	5.81
6.250	0.00	0.86	1.687	O	|	|	|	5.80
6.333	0.00	0.86	1.681	O	|	|	|	5.78
6.417	0.00	0.86	1.675	O	|	|	|	5.77
6.500	0.00	0.86	1.669	O	|	|	|	5.75
6.583	0.00	0.86	1.664	O	|	|	|	5.74
6.667	0.00	0.86	1.658	O	|	|	|	5.73
6.750	0.00	0.86	1.652	O	|	|	|	5.71
6.833	0.00	0.86	1.646	O	|	|	|	5.70
6.917	0.00	0.85	1.640	O	|	|	|	5.68
7.000	0.00	0.85	1.634	O	|	|	|	5.67
7.083	0.00	0.85	1.628	O	|	|	|	5.65
7.167	0.00	0.85	1.622	O	|	|	|	5.64
7.250	0.00	0.85	1.616	O	|	|	|	5.63
7.333	0.00	0.85	1.611	O	|	|	|	5.61
7.417	0.00	0.85	1.605	O	|	|	|	5.60
7.500	0.00	0.85	1.599	O	|	|	|	5.58
7.583	0.00	0.85	1.593	O	|	|	|	5.57
7.667	0.00	0.84	1.587	O	|	|	|	5.55
7.750	0.00	0.84	1.581	O	|	|	|	5.54
7.833	0.00	0.84	1.576	O	|	|	|	5.53
7.917	0.00	0.84	1.570	O	|	|	|	5.51
8.000	0.00	0.84	1.564	O	|	|	|	5.50
8.083	0.00	0.84	1.558	O	|	|	|	5.48
8.167	0.00	0.84	1.553	O	|	|	|	5.47
8.250	0.00	0.84	1.547	O	|	|	|	5.46
8.333	0.00	0.84	1.541	O	|	|	|	5.44
8.417	0.00	0.83	1.535	O	|	|	|	5.43
8.500	0.00	0.83	1.530	O	|	|	|	5.41
8.583	0.00	0.83	1.524	O	|	|	|	5.40
8.667	0.00	0.83	1.518	O	|	|	|	5.39
8.750	0.00	0.83	1.512	O	|	|	|	5.37
8.833	0.00	0.83	1.507	O	|	|	|	5.36
8.917	0.00	0.83	1.501	O	|	|	|	5.34
9.000	0.00	0.83	1.495	O	|	|	|	5.33
9.083	0.00	0.83	1.490	O	|	|	|	5.32
9.167	0.00	0.82	1.484	O	|	|	|	5.30
9.250	0.00	0.82	1.478	O	|	|	|	5.29
9.333	0.00	0.82	1.473	O	|	|	|	5.27
9.417	0.00	0.82	1.467	O	|	|	|	5.26
9.500	0.00	0.82	1.461	O	|	|	|	5.25
9.583	0.00	0.82	1.456	O	|	|	|	5.23
9.667	0.00	0.82	1.450	O	|	|	|	5.22
9.750	0.00	0.82	1.444	O	|	|	|	5.21
9.833	0.00	0.82	1.439	O	|	|	|	5.19
9.917	0.00	0.81	1.433	O	|	|	|	5.18
10.000	0.00	0.81	1.427	O	|	|	|	5.16
10.083	0.00	0.81	1.422	O	|	|	|	5.15
10.167	0.00	0.81	1.416	O	|	|	|	5.14
10.250	0.00	0.81	1.411	O	|	|	|	5.12
10.333	0.00	0.81	1.405	O	|	|	|	5.11
10.417	0.00	0.81	1.400	O	|	|	|	5.10
10.500	0.00	0.81	1.394	O	|	|	|	5.08
10.583	0.00	0.81	1.388	O	|	|	|	5.07
10.667	0.00	0.80	1.383	O	|	|	|	5.06
10.750	0.00	0.80	1.377	O	|	|	|	5.04
10.833	0.00	0.80	1.372	O	|	|	|	5.03
10.917	0.00	0.80	1.366	O	|	|	|	5.02
11.000	0.00	0.80	1.361	O	|	|	|	5.00
11.083	0.00	0.80	1.355	O	|	|	|	4.99
11.167	0.00	0.80	1.350	O	|	|	|	4.97
11.250	0.00	0.80	1.344	O	|	|	|	4.96
11.333	0.00	0.79	1.339	O	|	|	|	4.94

11.417	0.00	0.79	1.333	O	|	|	|	4.93
11.500	0.00	0.79	1.328	O	|	|	|	4.91
11.583	0.00	0.79	1.322	O	|	|	|	4.90
11.667	0.00	0.79	1.317	O	|	|	|	4.88
11.750	0.00	0.79	1.312	O	|	|	|	4.87
11.833	0.00	0.79	1.306	O	|	|	|	4.85
11.917	0.00	0.79	1.301	O	|	|	|	4.84
12.000	0.00	0.78	1.295	O	|	|	|	4.83
12.083	0.00	0.78	1.290	O	|	|	|	4.81
12.167	0.00	0.78	1.285	O	|	|	|	4.80
12.250	0.00	0.78	1.279	O	|	|	|	4.78
12.333	0.00	0.78	1.274	O	|	|	|	4.77
12.417	0.00	0.78	1.268	O	|	|	|	4.75
12.500	0.00	0.78	1.263	O	|	|	|	4.74
12.583	0.00	0.78	1.258	O	|	|	|	4.72
12.667	0.00	0.77	1.252	O	|	|	|	4.71
12.750	0.00	0.77	1.247	O	|	|	|	4.69
12.833	0.00	0.77	1.242	O	|	|	|	4.68
12.917	0.00	0.77	1.236	O	|	|	|	4.67
13.000	0.00	0.77	1.231	O	|	|	|	4.65
13.083	0.00	0.77	1.226	O	|	|	|	4.64
13.167	0.00	0.77	1.221	O	|	|	|	4.62
13.250	0.00	0.76	1.215	O	|	|	|	4.61
13.333	0.00	0.76	1.210	O	|	|	|	4.59
13.417	0.00	0.76	1.205	O	|	|	|	4.58
13.500	0.00	0.76	1.200	O	|	|	|	4.57
13.583	0.00	0.76	1.194	O	|	|	|	4.55
13.667	0.00	0.76	1.189	O	|	|	|	4.54
13.750	0.00	0.76	1.184	O	|	|	|	4.52
13.833	0.00	0.76	1.179	O	|	|	|	4.51
13.917	0.00	0.75	1.173	O	|	|	|	4.50
14.000	0.00	0.75	1.168	O	|	|	|	4.48
14.083	0.00	0.75	1.163	O	|	|	|	4.47
14.167	0.00	0.75	1.158	O	|	|	|	4.45
14.250	0.00	0.75	1.153	O	|	|	|	4.44
14.333	0.00	0.75	1.148	O	|	|	|	4.43
14.417	0.00	0.75	1.142	O	|	|	|	4.41
14.500	0.00	0.75	1.137	O	|	|	|	4.40
14.583	0.00	0.74	1.132	O	|	|	|	4.38
14.667	0.00	0.74	1.127	O	|	|	|	4.37
14.750	0.00	0.74	1.122	O	|	|	|	4.36
14.833	0.00	0.74	1.117	O	|	|	|	4.34
14.917	0.00	0.74	1.112	O	|	|	|	4.33
15.000	0.00	0.74	1.107	O	|	|	|	4.32
15.083	0.00	0.74	1.102	O	|	|	|	4.30
15.167	0.00	0.74	1.096	O	|	|	|	4.29
15.250	0.00	0.73	1.091	O	|	|	|	4.27
15.333	0.00	0.73	1.086	O	|	|	|	4.26
15.417	0.00	0.73	1.081	O	|	|	|	4.25
15.500	0.00	0.73	1.076	O	|	|	|	4.23
15.583	0.00	0.73	1.071	O	|	|	|	4.22
15.667	0.00	0.73	1.066	O	|	|	|	4.21
15.750	0.00	0.73	1.061	O	|	|	|	4.19
15.833	0.00	0.73	1.056	O	|	|	|	4.18
15.917	0.00	0.72	1.051	O	|	|	|	4.17
16.000	0.00	0.72	1.046	O	|	|	|	4.15
16.083	0.00	0.72	1.041	O	|	|	|	4.14
16.167	0.00	0.72	1.036	O	|	|	|	4.13
16.250	0.00	0.72	1.031	O	|	|	|	4.11
16.333	0.00	0.72	1.026	O	|	|	|	4.10
16.417	0.00	0.72	1.021	O	|	|	|	4.08
16.500	0.00	0.72	1.016	O	|	|	|	4.07
16.583	0.00	0.72	1.012	O	|	|	|	4.06
16.667	0.00	0.71	1.007	O	|	|	|	4.04
16.750	0.00	0.71	1.002	O	|	|	|	4.03
16.833	0.00	0.71	0.997	O	|	|	|	4.02
16.917	0.00	0.71	0.992	O	|	|	|	4.01

17.000	0.00	0.71	0.987	O	|	|	|	|	3.99
17.083	0.00	0.71	0.982	O	|	|	|	|	3.98
17.167	0.00	0.71	0.977	O	|	|	|	|	3.96
17.250	0.00	0.70	0.972	O	|	|	|	|	3.95
17.333	0.00	0.70	0.968	O	|	|	|	|	3.93
17.417	0.00	0.70	0.963	O	|	|	|	|	3.91
17.500	0.00	0.70	0.958	O	|	|	|	|	3.90
17.583	0.00	0.70	0.953	O	|	|	|	|	3.88
17.667	0.00	0.70	0.948	O	|	|	|	|	3.87
17.750	0.00	0.70	0.943	O	|	|	|	|	3.85
17.833	0.00	0.69	0.939	O	|	|	|	|	3.84
17.917	0.00	0.69	0.934	O	|	|	|	|	3.82
18.000	0.00	0.69	0.929	O	|	|	|	|	3.81
18.083	0.00	0.69	0.924	O	|	|	|	|	3.80
18.167	0.00	0.69	0.920	O	|	|	|	|	3.78
18.250	0.00	0.69	0.915	O	|	|	|	|	3.77
18.333	0.00	0.69	0.910	O	|	|	|	|	3.75
18.417	0.00	0.68	0.906	O	|	|	|	|	3.74
18.500	0.00	0.68	0.901	O	|	|	|	|	3.72
18.583	0.00	0.68	0.896	O	|	|	|	|	3.71
18.667	0.00	0.68	0.891	O	|	|	|	|	3.69
18.750	0.00	0.68	0.887	O	|	|	|	|	3.68
18.833	0.00	0.68	0.882	O	|	|	|	|	3.66
18.917	0.00	0.67	0.877	O	|	|	|	|	3.65
19.000	0.00	0.67	0.873	O	|	|	|	|	3.63
19.083	0.00	0.67	0.868	O	|	|	|	|	3.62
19.167	0.00	0.67	0.864	O	|	|	|	|	3.60
19.250	0.00	0.67	0.859	O	|	|	|	|	3.59
19.333	0.00	0.67	0.854	O	|	|	|	|	3.58
19.417	0.00	0.67	0.850	O	|	|	|	|	3.56
19.500	0.00	0.66	0.845	O	|	|	|	|	3.55
19.583	0.00	0.66	0.841	O	|	|	|	|	3.53
19.667	0.00	0.66	0.836	O	|	|	|	|	3.52
19.750	0.00	0.66	0.831	O	|	|	|	|	3.50
19.833	0.00	0.66	0.827	O	|	|	|	|	3.49
19.917	0.00	0.66	0.822	O	|	|	|	|	3.48
20.000	0.00	0.66	0.818	O	|	|	|	|	3.46
20.083	0.00	0.65	0.813	O	|	|	|	|	3.45
20.167	0.00	0.65	0.809	O	|	|	|	|	3.43
20.250	0.00	0.65	0.804	O	|	|	|	|	3.42
20.333	0.00	0.65	0.800	O	|	|	|	|	3.41
20.417	0.00	0.65	0.795	O	|	|	|	|	3.39
20.500	0.00	0.65	0.791	O	|	|	|	|	3.38
20.583	0.00	0.65	0.786	O	|	|	|	|	3.36
20.667	0.00	0.65	0.782	O	|	|	|	|	3.35
20.750	0.00	0.64	0.778	O	|	|	|	|	3.34
20.833	0.00	0.64	0.773	O	|	|	|	|	3.32
20.917	0.00	0.64	0.769	O	|	|	|	|	3.31
21.000	0.00	0.64	0.764	O	|	|	|	|	3.29
21.083	0.00	0.64	0.760	O	|	|	|	|	3.28
21.167	0.00	0.64	0.756	O	|	|	|	|	3.27
21.250	0.00	0.64	0.751	O	|	|	|	|	3.25
21.333	0.00	0.63	0.747	O	|	|	|	|	3.24
21.417	0.00	0.63	0.742	O	|	|	|	|	3.23
21.500	0.00	0.63	0.738	O	|	|	|	|	3.21
21.583	0.00	0.63	0.734	O	|	|	|	|	3.20
21.667	0.00	0.63	0.729	O	|	|	|	|	3.19
21.750	0.00	0.63	0.725	O	|	|	|	|	3.17
21.833	0.00	0.63	0.721	O	|	|	|	|	3.16
21.917	0.00	0.62	0.716	O	|	|	|	|	3.15
22.000	0.00	0.62	0.712	O	|	|	|	|	3.13
22.083	0.00	0.62	0.708	O	|	|	|	|	3.12
22.167	0.00	0.62	0.704	O	|	|	|	|	3.10
22.250	0.00	0.62	0.699	O	|	|	|	|	3.09
22.333	0.00	0.62	0.695	O	|	|	|	|	3.08
22.417	0.00	0.62	0.691	O	|	|	|	|	3.07
22.500	0.00	0.62	0.687	O	|	|	|	|	3.05

22.583	0.00	0.61	0.682	O	|	|	|	|	3.04
22.667	0.00	0.61	0.678	O	|	|	|	|	3.03
22.750	0.00	0.61	0.674	O	|	|	|	|	3.01
22.833	0.00	0.61	0.670	O	|	|	|	|	3.00
22.917	0.00	0.61	0.665	O	|	|	|	|	2.98
23.000	0.00	0.61	0.661	O	|	|	|	|	2.97
23.083	0.00	0.60	0.657	O	|	|	|	|	2.95
23.167	0.00	0.60	0.653	O	|	|	|	|	2.94
23.250	0.00	0.60	0.649	O	|	|	|	|	2.92
23.333	0.00	0.60	0.645	O	|	|	|	|	2.91
23.417	0.00	0.60	0.641	O	|	|	|	|	2.89
23.500	0.00	0.60	0.636	O	|	|	|	|	2.88
23.583	0.00	0.59	0.632	O	|	|	|	|	2.86
23.667	0.00	0.59	0.628	O	|	|	|	|	2.85
23.750	0.00	0.59	0.624	O	|	|	|	|	2.83
23.833	0.00	0.59	0.620	O	|	|	|	|	2.82
23.917	0.00	0.59	0.616	O	|	|	|	|	2.80
24.000	0.00	0.58	0.612	O	|	|	|	|	2.79
24.083	0.00	0.58	0.608	O	|	|	|	|	2.77
24.167	0.00	0.58	0.604	O	|	|	|	|	2.76
24.250	0.00	0.58	0.600	O	|	|	|	|	2.74
24.333	0.00	0.58	0.596	O	|	|	|	|	2.73
24.417	0.00	0.58	0.592	O	|	|	|	|	2.71
24.500	0.00	0.57	0.588	O	|	|	|	|	2.70
24.583	0.00	0.57	0.584	O	|	|	|	|	2.68
24.667	0.00	0.57	0.580	O	|	|	|	|	2.67
24.750	0.00	0.57	0.576	O	|	|	|	|	2.65
24.833	0.00	0.57	0.572	O	|	|	|	|	2.64
24.917	0.00	0.56	0.569	O	|	|	|	|	2.62
25.000	0.00	0.56	0.565	O	|	|	|	|	2.61
25.083	0.00	0.56	0.561	O	|	|	|	|	2.60
25.167	0.00	0.56	0.557	O	|	|	|	|	2.58
25.250	0.00	0.56	0.553	O	|	|	|	|	2.57
25.333	0.00	0.56	0.549	O	|	|	|	|	2.55
25.417	0.00	0.55	0.545	O	|	|	|	|	2.54
25.500	0.00	0.55	0.542	O	|	|	|	|	2.52
25.583	0.00	0.55	0.538	O	|	|	|	|	2.51
25.667	0.00	0.55	0.534	O	|	|	|	|	2.50
25.750	0.00	0.55	0.530	O	|	|	|	|	2.48
25.833	0.00	0.55	0.527	O	|	|	|	|	2.47
25.917	0.00	0.54	0.523	O	|	|	|	|	2.45
26.000	0.00	0.54	0.519	O	|	|	|	|	2.44
26.083	0.00	0.54	0.515	O	|	|	|	|	2.43
26.167	0.00	0.54	0.512	O	|	|	|	|	2.41
26.250	0.00	0.54	0.508	O	|	|	|	|	2.40
26.333	0.00	0.54	0.504	O	|	|	|	|	2.39
26.417	0.00	0.53	0.500	O	|	|	|	|	2.37
26.500	0.00	0.53	0.497	O	|	|	|	|	2.36
26.583	0.00	0.53	0.493	O	|	|	|	|	2.34
26.667	0.00	0.53	0.489	O	|	|	|	|	2.33
26.750	0.00	0.53	0.486	O	|	|	|	|	2.32
26.833	0.00	0.53	0.482	O	|	|	|	|	2.30
26.917	0.00	0.52	0.479	O	|	|	|	|	2.29
27.000	0.00	0.52	0.475	O	|	|	|	|	2.28
27.083	0.00	0.52	0.471	O	|	|	|	|	2.26
27.167	0.00	0.52	0.468	O	|	|	|	|	2.25
27.250	0.00	0.52	0.464	O	|	|	|	|	2.24
27.333	0.00	0.52	0.461	O	|	|	|	|	2.22
27.417	0.00	0.52	0.457	O	|	|	|	|	2.21
27.500	0.00	0.51	0.454	O	|	|	|	|	2.20
27.583	0.00	0.51	0.450	O	|	|	|	|	2.19
27.667	0.00	0.51	0.446	O	|	|	|	|	2.17
27.750	0.00	0.51	0.443	O	|	|	|	|	2.16
27.833	0.00	0.51	0.439	O	|	|	|	|	2.15
27.917	0.00	0.51	0.436	O	|	|	|	|	2.13
28.000	0.00	0.50	0.432	O	|	|	|	|	2.12
28.083	0.00	0.50	0.429	O	|	|	|	|	2.11

28.167	0.00	0.50	0.426	O	|	|	|	|	2.09
28.250	0.00	0.50	0.422	O	|	|	|	|	2.08
28.333	0.00	0.50	0.419	O	|	|	|	|	2.07
28.417	0.00	0.50	0.415	O	|	|	|	|	2.06
28.500	0.00	0.50	0.412	O	|	|	|	|	2.04
28.583	0.00	0.49	0.408	O	|	|	|	|	2.03
28.667	0.00	0.49	0.405	O	|	|	|	|	2.02
28.750	0.00	0.49	0.402	O	|	|	|	|	2.01
28.833	0.00	0.49	0.398	O	|	|	|	|	1.99
28.917	0.00	0.49	0.395	O	|	|	|	|	1.98
29.000	0.00	0.48	0.392	O	|	|	|	|	1.96
29.083	0.00	0.48	0.388	O	|	|	|	|	1.95
29.167	0.00	0.48	0.385	O	|	|	|	|	1.93
29.250	0.00	0.48	0.382	O	|	|	|	|	1.92
29.333	0.00	0.47	0.378	O	|	|	|	|	1.90
29.417	0.00	0.47	0.375	O	|	|	|	|	1.89
29.500	0.00	0.47	0.372	O	|	|	|	|	1.87
29.583	0.00	0.47	0.369	O	|	|	|	|	1.86
29.667	0.00	0.46	0.366	O	|	|	|	|	1.84
29.750	0.00	0.46	0.362	O	|	|	|	|	1.83
29.833	0.00	0.46	0.359	O	|	|	|	|	1.81
29.917	0.00	0.46	0.356	O	|	|	|	|	1.80
30.000	0.00	0.45	0.353	O	|	|	|	|	1.79
30.083	0.00	0.45	0.350	O	|	|	|	|	1.77
30.167	0.00	0.45	0.347	O	|	|	|	|	1.76
30.250	0.00	0.45	0.344	O	|	|	|	|	1.74
30.333	0.00	0.44	0.341	O	|	|	|	|	1.73
30.417	0.00	0.44	0.337	O	|	|	|	|	1.72
30.500	0.00	0.44	0.334	O	|	|	|	|	1.70
30.583	0.00	0.44	0.331	O	|	|	|	|	1.69
30.667	0.00	0.43	0.328	O	|	|	|	|	1.67
30.750	0.00	0.43	0.325	O	|	|	|	|	1.66
30.833	0.00	0.43	0.322	O	|	|	|	|	1.65
30.917	0.00	0.43	0.320	O	|	|	|	|	1.63
31.000	0.00	0.43	0.317	O	|	|	|	|	1.62
31.083	0.00	0.42	0.314	O	|	|	|	|	1.61
31.167	0.00	0.42	0.311	O	|	|	|	|	1.59
31.250	0.00	0.42	0.308	O	|	|	|	|	1.58
31.333	0.00	0.42	0.305	O	|	|	|	|	1.57
31.417	0.00	0.41	0.302	O	|	|	|	|	1.56
31.500	0.00	0.41	0.299	O	|	|	|	|	1.54
31.583	0.00	0.41	0.296	O	|	|	|	|	1.53
31.667	0.00	0.41	0.294	O	|	|	|	|	1.52
31.750	0.00	0.41	0.291	O	|	|	|	|	1.50
31.833	0.00	0.40	0.288	O	|	|	|	|	1.49
31.917	0.00	0.40	0.285	O	|	|	|	|	1.48
32.000	0.00	0.40	0.282	O	|	|	|	|	1.47
32.083	0.00	0.40	0.280	O	|	|	|	|	1.45
32.167	0.00	0.39	0.277	O	|	|	|	|	1.44
32.250	0.00	0.39	0.274	O	|	|	|	|	1.43
32.333	0.00	0.39	0.272	O	|	|	|	|	1.42
32.417	0.00	0.39	0.269	O	|	|	|	|	1.40
32.500	0.00	0.39	0.266	O	|	|	|	|	1.39
32.583	0.00	0.38	0.264	O	|	|	|	|	1.38
32.667	0.00	0.38	0.261	O	|	|	|	|	1.37
32.750	0.00	0.38	0.258	O	|	|	|	|	1.36
32.833	0.00	0.38	0.256	O	|	|	|	|	1.34
32.917	0.00	0.38	0.253	O	|	|	|	|	1.33
33.000	0.00	0.37	0.251	O	|	|	|	|	1.32
33.083	0.00	0.37	0.248	O	|	|	|	|	1.31
33.167	0.00	0.37	0.245	O	|	|	|	|	1.30
33.250	0.00	0.37	0.243	O	|	|	|	|	1.29
33.333	0.00	0.37	0.240	O	|	|	|	|	1.27
33.417	0.00	0.36	0.238	O	|	|	|	|	1.26
33.500	0.00	0.36	0.235	O	|	|	|	|	1.25
33.583	0.00	0.36	0.233	O	|	|	|	|	1.24
33.667	0.00	0.36	0.230	O	|	|	|	|	1.23

33.750	0.00	0.36	0.228	O	|	|	|	|	1.22
33.833	0.00	0.36	0.225	O	|	|	|	|	1.21
33.917	0.00	0.35	0.223	O	|	|	|	|	1.20
34.000	0.00	0.35	0.221	O	|	|	|	|	1.18
34.083	0.00	0.35	0.218	O	|	|	|	|	1.17
34.167	0.00	0.35	0.216	O	|	|	|	|	1.16
34.250	0.00	0.35	0.213	O	|	|	|	|	1.15
34.333	0.00	0.34	0.211	O	|	|	|	|	1.14
34.417	0.00	0.34	0.209	O	|	|	|	|	1.13
34.500	0.00	0.34	0.206	O	|	|	|	|	1.12
34.583	0.00	0.34	0.204	O	|	|	|	|	1.11
34.667	0.00	0.34	0.202	O	|	|	|	|	1.10
34.750	0.00	0.33	0.199	O	|	|	|	|	1.09
34.833	0.00	0.33	0.197	O	|	|	|	|	1.08
34.917	0.00	0.33	0.195	O	|	|	|	|	1.07
35.000	0.00	0.33	0.192	O	|	|	|	|	1.06
35.083	0.00	0.33	0.190	O	|	|	|	|	1.05
35.167	0.00	0.33	0.188	O	|	|	|	|	1.04
35.250	0.00	0.32	0.186	O	|	|	|	|	1.03
35.333	0.00	0.32	0.183	O	|	|	|	|	1.02
35.417	0.00	0.32	0.181	O	|	|	|	|	1.01
35.500	0.00	0.32	0.179	O	|	|	|	|	0.99
35.583	0.00	0.31	0.177	O	|	|	|	|	0.98
35.667	0.00	0.31	0.175	O	|	|	|	|	0.97
35.750	0.00	0.31	0.173	O	|	|	|	|	0.96
35.833	0.00	0.30	0.170	O	|	|	|	|	0.95
35.917	0.00	0.30	0.168	O	|	|	|	|	0.94
36.000	0.00	0.30	0.166	O	|	|	|	|	0.92
36.083	0.00	0.29	0.164	O	|	|	|	|	0.91
36.167	0.00	0.29	0.162	O	|	|	|	|	0.90
36.250	0.00	0.29	0.160	O	|	|	|	|	0.89
36.333	0.00	0.28	0.158	O	|	|	|	|	0.88
36.417	0.00	0.28	0.156	O	|	|	|	|	0.87
36.500	0.00	0.27	0.155	O	|	|	|	|	0.86
36.583	0.00	0.27	0.153	O	|	|	|	|	0.85
36.667	0.00	0.27	0.151	O	|	|	|	|	0.84
36.750	0.00	0.26	0.149	O	|	|	|	|	0.83
36.833	0.00	0.26	0.147	O	|	|	|	|	0.82
36.917	0.00	0.26	0.145	O	|	|	|	|	0.81
37.000	0.00	0.26	0.144	O	|	|	|	|	0.80
37.083	0.00	0.25	0.142	O	|	|	|	|	0.79
37.167	0.00	0.25	0.140	O	|	|	|	|	0.78
37.250	0.00	0.25	0.138	O	|	|	|	|	0.77
37.333	0.00	0.24	0.137	O	|	|	|	|	0.76
37.417	0.00	0.24	0.135	O	|	|	|	|	0.75
37.500	0.00	0.24	0.133	O	|	|	|	|	0.74
37.583	0.00	0.23	0.132	O	|	|	|	|	0.73
37.667	0.00	0.23	0.130	O	|	|	|	|	0.72
37.750	0.00	0.23	0.129	O	|	|	|	|	0.71
37.833	0.00	0.23	0.127	O	|	|	|	|	0.71
37.917	0.00	0.22	0.126	O	|	|	|	|	0.70
38.000	0.00	0.22	0.124	O	|	|	|	|	0.69
38.083	0.00	0.22	0.122	O	|	|	|	|	0.68
38.167	0.00	0.22	0.121	O	|	|	|	|	0.67
38.250	0.00	0.21	0.120	O	|	|	|	|	0.66
38.333	0.00	0.21	0.118	O	|	|	|	|	0.66
38.417	0.00	0.21	0.117	O	|	|	|	|	0.65
38.500	0.00	0.20	0.115	O	|	|	|	|	0.64
38.583	0.00	0.20	0.114	O	|	|	|	|	0.63
38.667	0.00	0.20	0.112	O	|	|	|	|	0.62
38.750	0.00	0.20	0.111	O	|	|	|	|	0.62
38.833	0.00	0.20	0.110	O	|	|	|	|	0.61
38.917	0.00	0.19	0.108	O	|	|	|	|	0.60
39.000	0.00	0.19	0.107	O	|	|	|	|	0.59
39.083	0.00	0.19	0.106	O	|	|	|	|	0.59
39.167	0.00	0.19	0.104	O	|	|	|	|	0.58
39.250	0.00	0.18	0.103	O	|	|	|	|	0.57

39.333	0.00	0.18	0.102	O	|	|	|	|	0.57
39.417	0.00	0.18	0.101	O	|	|	|	|	0.56
39.500	0.00	0.18	0.099	O	|	|	|	|	0.55
39.583	0.00	0.17	0.098	O	|	|	|	|	0.55
39.667	0.00	0.17	0.097	O	|	|	|	|	0.54
39.750	0.00	0.17	0.096	O	|	|	|	|	0.53
39.833	0.00	0.17	0.095	O	|	|	|	|	0.53
39.917	0.00	0.17	0.094	O	|	|	|	|	0.52
40.000	0.00	0.16	0.092	O	|	|	|	|	0.51
40.083	0.00	0.16	0.091	O	|	|	|	|	0.51
40.167	0.00	0.16	0.090	O	|	|	|	|	0.50
40.250	0.00	0.16	0.089	O	|	|	|	|	0.49
40.333	0.00	0.16	0.088	O	|	|	|	|	0.49
40.417	0.00	0.15	0.087	O	|	|	|	|	0.48
40.500	0.00	0.15	0.086	O	|	|	|	|	0.48
40.583	0.00	0.15	0.085	O	|	|	|	|	0.47
40.667	0.00	0.15	0.084	O	|	|	|	|	0.47
40.750	0.00	0.15	0.083	O	|	|	|	|	0.46
40.833	0.00	0.15	0.082	O	|	|	|	|	0.45
40.917	0.00	0.14	0.081	O	|	|	|	|	0.45
41.000	0.00	0.14	0.080	O	|	|	|	|	0.44
41.083	0.00	0.14	0.079	O	|	|	|	|	0.44
41.167	0.00	0.14	0.078	O	|	|	|	|	0.43
41.250	0.00	0.14	0.077	O	|	|	|	|	0.43
41.333	0.00	0.14	0.076	O	|	|	|	|	0.42
41.417	0.00	0.13	0.075	O	|	|	|	|	0.42
41.500	0.00	0.13	0.074	O	|	|	|	|	0.41
41.583	0.00	0.13	0.073	O	|	|	|	|	0.41
41.667	0.00	0.13	0.072	O	|	|	|	|	0.40
41.750	0.00	0.13	0.071	O	|	|	|	|	0.40
41.833	0.00	0.13	0.071	O	|	|	|	|	0.39
41.917	0.00	0.12	0.070	O	|	|	|	|	0.39
42.000	0.00	0.12	0.069	O	|	|	|	|	0.38
42.083	0.00	0.12	0.068	O	|	|	|	|	0.38
42.167	0.00	0.12	0.067	O	|	|	|	|	0.37
42.250	0.00	0.12	0.066	O	|	|	|	|	0.37
42.333	0.00	0.12	0.066	O	|	|	|	|	0.36
42.417	0.00	0.12	0.065	O	|	|	|	|	0.36
42.500	0.00	0.11	0.064	O	|	|	|	|	0.36
42.583	0.00	0.11	0.063	O	|	|	|	|	0.35
42.667	0.00	0.11	0.062	O	|	|	|	|	0.35
42.750	0.00	0.11	0.062	O	|	|	|	|	0.34
42.833	0.00	0.11	0.061	O	|	|	|	|	0.34
42.917	0.00	0.11	0.060	O	|	|	|	|	0.33
43.000	0.00	0.11	0.059	O	|	|	|	|	0.33
43.083	0.00	0.10	0.059	O	|	|	|	|	0.33
43.167	0.00	0.10	0.058	O	|	|	|	|	0.32
43.250	0.00	0.10	0.057	O	|	|	|	|	0.32
43.333	0.00	0.10	0.057	O	|	|	|	|	0.31
43.417	0.00	0.10	0.056	O	|	|	|	|	0.31
43.500	0.00	0.10	0.055	O	|	|	|	|	0.31
43.583	0.00	0.10	0.055	O	|	|	|	|	0.30
43.667	0.00	0.10	0.054	O	|	|	|	|	0.30
43.750	0.00	0.09	0.053	O	|	|	|	|	0.30
43.833	0.00	0.09	0.053	O	|	|	|	|	0.29
43.917	0.00	0.09	0.052	O	|	|	|	|	0.29
44.000	0.00	0.09	0.051	O	|	|	|	|	0.29
44.083	0.00	0.09	0.051	O	|	|	|	|	0.28
44.167	0.00	0.09	0.050	O	|	|	|	|	0.28
44.250	0.00	0.09	0.049	O	|	|	|	|	0.27
44.333	0.00	0.09	0.049	O	|	|	|	|	0.27
44.417	0.00	0.09	0.048	O	|	|	|	|	0.27
44.500	0.00	0.08	0.048	O	|	|	|	|	0.27
44.583	0.00	0.08	0.047	O	|	|	|	|	0.26
44.667	0.00	0.08	0.047	O	|	|	|	|	0.26
44.750	0.00	0.08	0.046	O	|	|	|	|	0.26
44.833	0.00	0.08	0.045	O	|	|	|	|	0.25

44.917	0.00	0.08	0.045	O					0.25
45.000	0.00	0.08	0.044	O					0.25
45.083	0.00	0.08	0.044	O					0.24
45.167	0.00	0.08	0.043	O					0.24
45.250	0.00	0.08	0.043	O					0.24
45.333	0.00	0.08	0.042	O					0.23
45.417	0.00	0.07	0.042	O					0.23
45.500	0.00	0.07	0.041	O					0.23
45.583	0.00	0.07	0.041	O					0.23
45.667	0.00	0.07	0.040	O					0.22
45.750	0.00	0.07	0.040	O					0.22
45.833	0.00	0.07	0.039	O					0.22
45.917	0.00	0.07	0.039	O					0.22
46.000	0.00	0.07	0.038	O					0.21
46.083	0.00	0.07	0.038	O					0.21
46.167	0.00	0.07	0.037	O					0.21
46.250	0.00	0.07	0.037	O					0.20
46.333	0.00	0.06	0.036	O					0.20
46.417	0.00	0.06	0.036	O					0.20
46.500	0.00	0.06	0.036	O					0.20
46.583	0.00	0.06	0.035	O					0.20
46.667	0.00	0.06	0.035	O					0.19
46.750	0.00	0.06	0.034	O					0.19
46.833	0.00	0.06	0.034	O					0.19
46.917	0.00	0.06	0.033	O					0.19
47.000	0.00	0.06	0.033	O					0.18
47.083	0.00	0.06	0.033	O					0.18
47.167	0.00	0.06	0.032	O					0.18
47.250	0.00	0.06	0.032	O					0.18
47.333	0.00	0.06	0.031	O					0.17
47.417	0.00	0.06	0.031	O					0.17
47.500	0.00	0.05	0.031	O					0.17
47.583	0.00	0.05	0.030	O					0.17
47.667	0.00	0.05	0.030	O					0.17
47.750	0.00	0.05	0.030	O					0.16
47.833	0.00	0.05	0.029	O					0.16
47.917	0.00	0.05	0.029	O					0.16
48.000	0.00	0.05	0.029	O					0.16
48.083	0.00	0.05	0.028	O					0.16
48.167	0.00	0.05	0.028	O					0.15
48.250	0.00	0.05	0.028	O					0.15
48.333	0.00	0.05	0.027	O					0.15
48.417	0.00	0.05	0.027	O					0.15
48.500	0.00	0.05	0.027	O					0.15
48.583	0.00	0.05	0.026	O					0.15
48.667	0.00	0.05	0.026	O					0.14
48.750	0.00	0.05	0.026	O					0.14
48.833	0.00	0.04	0.025	O					0.14
48.917	0.00	0.04	0.025	O					0.14
49.000	0.00	0.04	0.025	O					0.14
49.083	0.00	0.04	0.024	O					0.14
49.167	0.00	0.04	0.024	O					0.13
49.250	0.00	0.04	0.024	O					0.13
49.333	0.00	0.04	0.023	O					0.13
49.417	0.00	0.04	0.023	O					0.13
49.500	0.00	0.04	0.023	O					0.13
49.583	0.00	0.04	0.023	O					0.13
49.667	0.00	0.04	0.022	O					0.12
49.750	0.00	0.04	0.022	O					0.12
49.833	0.00	0.04	0.022	O					0.12
49.917	0.00	0.04	0.022	O					0.12
50.000	0.00	0.04	0.021	O					0.12
50.083	0.00	0.04	0.021	O					0.12
50.167	0.00	0.04	0.021	O					0.12
50.250	0.00	0.04	0.020	O					0.11
50.333	0.00	0.04	0.020	O					0.11
50.417	0.00	0.04	0.020	O					0.11

50.500	0.00	0.04	0.020	O	|	|	|	|	0.11
50.583	0.00	0.03	0.020	O	|	|	|	|	0.11
50.667	0.00	0.03	0.019	O	|	|	|	|	0.11
50.750	0.00	0.03	0.019	O	|	|	|	|	0.11
50.833	0.00	0.03	0.019	O	|	|	|	|	0.10
50.917	0.00	0.03	0.019	O	|	|	|	|	0.10
51.000	0.00	0.03	0.018	O	|	|	|	|	0.10
51.083	0.00	0.03	0.018	O	|	|	|	|	0.10
51.167	0.00	0.03	0.018	O	|	|	|	|	0.10
51.250	0.00	0.03	0.018	O	|	|	|	|	0.10
51.333	0.00	0.03	0.017	O	|	|	|	|	0.10
51.417	0.00	0.03	0.017	O	|	|	|	|	0.10
51.500	0.00	0.03	0.017	O	|	|	|	|	0.09
51.583	0.00	0.03	0.017	O	|	|	|	|	0.09
51.667	0.00	0.03	0.017	O	|	|	|	|	0.09
51.750	0.00	0.03	0.016	O	|	|	|	|	0.09
51.833	0.00	0.03	0.016	O	|	|	|	|	0.09
51.917	0.00	0.03	0.016	O	|	|	|	|	0.09
52.000	0.00	0.03	0.016	O	|	|	|	|	0.09
52.083	0.00	0.03	0.016	O	|	|	|	|	0.09
52.167	0.00	0.03	0.015	O	|	|	|	|	0.09
52.250	0.00	0.03	0.015	O	|	|	|	|	0.08
52.333	0.00	0.03	0.015	O	|	|	|	|	0.08
52.417	0.00	0.03	0.015	O	|	|	|	|	0.08
52.500	0.00	0.03	0.015	O	|	|	|	|	0.08
52.583	0.00	0.03	0.015	O	|	|	|	|	0.08
52.667	0.00	0.03	0.014	O	|	|	|	|	0.08
52.750	0.00	0.03	0.014	O	|	|	|	|	0.08
52.833	0.00	0.02	0.014	O	|	|	|	|	0.08
52.917	0.00	0.02	0.014	O	|	|	|	|	0.08
53.000	0.00	0.02	0.014	O	|	|	|	|	0.08
53.083	0.00	0.02	0.014	O	|	|	|	|	0.08
53.167	0.00	0.02	0.013	O	|	|	|	|	0.07
53.250	0.00	0.02	0.013	O	|	|	|	|	0.07
53.333	0.00	0.02	0.013	O	|	|	|	|	0.07
53.417	0.00	0.02	0.013	O	|	|	|	|	0.07
53.500	0.00	0.02	0.013	O	|	|	|	|	0.07
53.583	0.00	0.02	0.013	O	|	|	|	|	0.07
53.667	0.00	0.02	0.012	O	|	|	|	|	0.07
53.750	0.00	0.02	0.012	O	|	|	|	|	0.07
53.833	0.00	0.02	0.012	O	|	|	|	|	0.07
53.917	0.00	0.02	0.012	O	|	|	|	|	0.07
54.000	0.00	0.02	0.012	O	|	|	|	|	0.07
54.083	0.00	0.02	0.012	O	|	|	|	|	0.06
54.167	0.00	0.02	0.012	O	|	|	|	|	0.06
54.250	0.00	0.02	0.011	O	|	|	|	|	0.06
54.333	0.00	0.02	0.011	O	|	|	|	|	0.06
54.417	0.00	0.02	0.011	O	|	|	|	|	0.06
54.500	0.00	0.02	0.011	O	|	|	|	|	0.06
54.583	0.00	0.02	0.011	O	|	|	|	|	0.06
54.667	0.00	0.02	0.011	O	|	|	|	|	0.06
54.750	0.00	0.02	0.011	O	|	|	|	|	0.06
54.833	0.00	0.02	0.010	O	|	|	|	|	0.06
54.917	0.00	0.02	0.010	O	|	|	|	|	0.06
55.000	0.00	0.02	0.010	O	|	|	|	|	0.06
55.083	0.00	0.02	0.010	O	|	|	|	|	0.06
55.167	0.00	0.02	0.010	O	|	|	|	|	0.06
55.250	0.00	0.02	0.010	O	|	|	|	|	0.05
55.333	0.00	0.02	0.010	O	|	|	|	|	0.05
55.417	0.00	0.02	0.010	O	|	|	|	|	0.05
55.500	0.00	0.02	0.009	O	|	|	|	|	0.05
55.583	0.00	0.02	0.009	O	|	|	|	|	0.05
55.667	0.00	0.02	0.009	O	|	|	|	|	0.05
55.750	0.00	0.02	0.009	O	|	|	|	|	0.05
55.833	0.00	0.02	0.009	O	|	|	|	|	0.05
55.917	0.00	0.02	0.009	O	|	|	|	|	0.05
56.000	0.00	0.02	0.009	O	|	|	|	|	0.05

56.083	0.00	0.02	0.009	O	|	|	|	|	0.05
56.167	0.00	0.02	0.009	O	|	|	|	|	0.05
56.250	0.00	0.02	0.008	O	|	|	|	|	0.05
56.333	0.00	0.01	0.008	O	|	|	|	|	0.05
56.417	0.00	0.01	0.008	O	|	|	|	|	0.05
56.500	0.00	0.01	0.008	O	|	|	|	|	0.05
56.583	0.00	0.01	0.008	O	|	|	|	|	0.04
56.667	0.00	0.01	0.008	O	|	|	|	|	0.04
56.750	0.00	0.01	0.008	O	|	|	|	|	0.04
56.833	0.00	0.01	0.008	O	|	|	|	|	0.04
56.917	0.00	0.01	0.008	O	|	|	|	|	0.04
57.000	0.00	0.01	0.008	O	|	|	|	|	0.04
57.083	0.00	0.01	0.008	O	|	|	|	|	0.04
57.167	0.00	0.01	0.007	O	|	|	|	|	0.04
57.250	0.00	0.01	0.007	O	|	|	|	|	0.04
57.333	0.00	0.01	0.007	O	|	|	|	|	0.04
57.417	0.00	0.01	0.007	O	|	|	|	|	0.04
57.500	0.00	0.01	0.007	O	|	|	|	|	0.04
57.583	0.00	0.01	0.007	O	|	|	|	|	0.04
57.667	0.00	0.01	0.007	O	|	|	|	|	0.04
57.750	0.00	0.01	0.007	O	|	|	|	|	0.04
57.833	0.00	0.01	0.007	O	|	|	|	|	0.04
57.917	0.00	0.01	0.007	O	|	|	|	|	0.04
58.000	0.00	0.01	0.007	O	|	|	|	|	0.04
58.083	0.00	0.01	0.006	O	|	|	|	|	0.04
58.167	0.00	0.01	0.006	O	|	|	|	|	0.04
58.250	0.00	0.01	0.006	O	|	|	|	|	0.04
58.333	0.00	0.01	0.006	O	|	|	|	|	0.03
58.417	0.00	0.01	0.006	O	|	|	|	|	0.03
58.500	0.00	0.01	0.006	O	|	|	|	|	0.03
58.583	0.00	0.01	0.006	O	|	|	|	|	0.03
58.667	0.00	0.01	0.006	O	|	|	|	|	0.03
58.750	0.00	0.01	0.006	O	|	|	|	|	0.03
58.833	0.00	0.01	0.006	O	|	|	|	|	0.03
58.917	0.00	0.01	0.006	O	|	|	|	|	0.03
59.000	0.00	0.01	0.006	O	|	|	|	|	0.03
59.083	0.00	0.01	0.006	O	|	|	|	|	0.03
59.167	0.00	0.01	0.006	O	|	|	|	|	0.03
59.250	0.00	0.01	0.005	O	|	|	|	|	0.03
59.333	0.00	0.01	0.005	O	|	|	|	|	0.03
59.417	0.00	0.01	0.005	O	|	|	|	|	0.03
59.500	0.00	0.01	0.005	O	|	|	|	|	0.03
59.583	0.00	0.01	0.005	O	|	|	|	|	0.03
59.667	0.00	0.01	0.005	O	|	|	|	|	0.03
59.750	0.00	0.01	0.005	O	|	|	|	|	0.03
59.833	0.00	0.01	0.005	O	|	|	|	|	0.03
59.917	0.00	0.01	0.005	O	|	|	|	|	0.03
60.000	0.00	0.01	0.005	O	|	|	|	|	0.03
60.083	0.00	0.01	0.005	O	|	|	|	|	0.03
60.167	0.00	0.01	0.005	O	|	|	|	|	0.03
60.250	0.00	0.01	0.005	O	|	|	|	|	0.03
60.333	0.00	0.01	0.005	O	|	|	|	|	0.03
60.417	0.00	0.01	0.005	O	|	|	|	|	0.03
60.500	0.00	0.01	0.005	O	|	|	|	|	0.03
60.583	0.00	0.01	0.004	O	|	|	|	|	0.02
60.667	0.00	0.01	0.004	O	|	|	|	|	0.02
60.750	0.00	0.01	0.004	O	|	|	|	|	0.02
60.833	0.00	0.01	0.004	O	|	|	|	|	0.02
60.917	0.00	0.01	0.004	O	|	|	|	|	0.02
61.000	0.00	0.01	0.004	O	|	|	|	|	0.02
61.083	0.00	0.01	0.004	O	|	|	|	|	0.02
61.167	0.00	0.01	0.004	O	|	|	|	|	0.02
61.250	0.00	0.01	0.004	O	|	|	|	|	0.02
61.333	0.00	0.01	0.004	O	|	|	|	|	0.02
61.417	0.00	0.01	0.004	O	|	|	|	|	0.02
61.500	0.00	0.01	0.004	O	|	|	|	|	0.02
61.583	0.00	0.01	0.004	O	|	|	|	|	0.02

61.667	0.00	0.01	0.004	O	|	|	|	|	0.02
61.750	0.00	0.01	0.004	O	|	|	|	|	0.02
61.833	0.00	0.01	0.004	O	|	|	|	|	0.02
61.917	0.00	0.01	0.004	O	|	|	|	|	0.02
62.000	0.00	0.01	0.004	O	|	|	|	|	0.02
62.083	0.00	0.01	0.004	O	|	|	|	|	0.02
62.167	0.00	0.01	0.004	O	|	|	|	|	0.02
62.250	0.00	0.01	0.004	O	|	|	|	|	0.02
62.333	0.00	0.01	0.003	O	|	|	|	|	0.02
62.417	0.00	0.01	0.003	O	|	|	|	|	0.02
62.500	0.00	0.01	0.003	O	|	|	|	|	0.02
62.583	0.00	0.01	0.003	O	|	|	|	|	0.02
62.667	0.00	0.01	0.003	O	|	|	|	|	0.02
62.750	0.00	0.01	0.003	O	|	|	|	|	0.02
62.833	0.00	0.01	0.003	O	|	|	|	|	0.02
62.917	0.00	0.01	0.003	O	|	|	|	|	0.02
63.000	0.00	0.01	0.003	O	|	|	|	|	0.02
63.083	0.00	0.01	0.003	O	|	|	|	|	0.02
63.167	0.00	0.01	0.003	O	|	|	|	|	0.02
63.250	0.00	0.01	0.003	O	|	|	|	|	0.02
63.333	0.00	0.01	0.003	O	|	|	|	|	0.02
63.417	0.00	0.01	0.003	O	|	|	|	|	0.02
63.500	0.00	0.01	0.003	O	|	|	|	|	0.02
63.583	0.00	0.01	0.003	O	|	|	|	|	0.02
63.667	0.00	0.01	0.003	O	|	|	|	|	0.02
63.750	0.00	0.01	0.003	O	|	|	|	|	0.02
63.833	0.00	0.00	0.003	O	|	|	|	|	0.02
63.917	0.00	0.00	0.003	O	|	|	|	|	0.02
64.000	0.00	0.00	0.003	O	|	|	|	|	0.02
64.083	0.00	0.00	0.003	O	|	|	|	|	0.01
64.167	0.00	0.00	0.003	O	|	|	|	|	0.01
64.250	0.00	0.00	0.003	O	|	|	|	|	0.01
64.333	0.00	0.00	0.003	O	|	|	|	|	0.01
64.417	0.00	0.00	0.003	O	|	|	|	|	0.01
64.500	0.00	0.00	0.003	O	|	|	|	|	0.01
64.583	0.00	0.00	0.002	O	|	|	|	|	0.01
64.667	0.00	0.00	0.002	O	|	|	|	|	0.01
64.750	0.00	0.00	0.002	O	|	|	|	|	0.01
64.833	0.00	0.00	0.002	O	|	|	|	|	0.01
64.917	0.00	0.00	0.002	O	|	|	|	|	0.01
65.000	0.00	0.00	0.002	O	|	|	|	|	0.01
65.083	0.00	0.00	0.002	O	|	|	|	|	0.01
65.167	0.00	0.00	0.002	O	|	|	|	|	0.01
65.250	0.00	0.00	0.002	O	|	|	|	|	0.01
65.333	0.00	0.00	0.002	O	|	|	|	|	0.01
65.417	0.00	0.00	0.002	O	|	|	|	|	0.01
65.500	0.00	0.00	0.002	O	|	|	|	|	0.01
65.583	0.00	0.00	0.002	O	|	|	|	|	0.01
65.667	0.00	0.00	0.002	O	|	|	|	|	0.01
65.750	0.00	0.00	0.002	O	|	|	|	|	0.01
65.833	0.00	0.00	0.002	O	|	|	|	|	0.01
65.917	0.00	0.00	0.002	O	|	|	|	|	0.01
66.000	0.00	0.00	0.002	O	|	|	|	|	0.01
66.083	0.00	0.00	0.002	O	|	|	|	|	0.01
66.167	0.00	0.00	0.002	O	|	|	|	|	0.01
66.250	0.00	0.00	0.002	O	|	|	|	|	0.01
66.333	0.00	0.00	0.002	O	|	|	|	|	0.01
66.417	0.00	0.00	0.002	O	|	|	|	|	0.01
66.500	0.00	0.00	0.002	O	|	|	|	|	0.01
66.583	0.00	0.00	0.002	O	|	|	|	|	0.01
66.667	0.00	0.00	0.002	O	|	|	|	|	0.01
66.750	0.00	0.00	0.002	O	|	|	|	|	0.01
66.833	0.00	0.00	0.002	O	|	|	|	|	0.01
66.917	0.00	0.00	0.002	O	|	|	|	|	0.01
67.000	0.00	0.00	0.002	O	|	|	|	|	0.01
67.083	0.00	0.00	0.002	O	|	|	|	|	0.01
67.167	0.00	0.00	0.002	O	|	|	|	|	0.01

67.250	0.00	0.00	0.002	O					0.01
67.333	0.00	0.00	0.002	O					0.01
67.417	0.00	0.00	0.002	O					0.01
67.500	0.00	0.00	0.002	O					0.01
67.583	0.00	0.00	0.002	O					0.01
67.667	0.00	0.00	0.002	O					0.01
67.750	0.00	0.00	0.002	O					0.01
67.833	0.00	0.00	0.002	O					0.01
67.917	0.00	0.00	0.002	O					0.01
68.000	0.00	0.00	0.002	O					0.01
68.083	0.00	0.00	0.001	O					0.01
68.167	0.00	0.00	0.001	O					0.01
68.250	0.00	0.00	0.001	O					0.01
68.333	0.00	0.00	0.001	O					0.01
68.417	0.00	0.00	0.001	O					0.01
68.500	0.00	0.00	0.001	O					0.01
68.583	0.00	0.00	0.001	O					0.01
68.667	0.00	0.00	0.001	O					0.01
68.750	0.00	0.00	0.001	O					0.01
68.833	0.00	0.00	0.001	O					0.01
68.917	0.00	0.00	0.001	O					0.01
69.000	0.00	0.00	0.001	O					0.01
69.083	0.00	0.00	0.001	O					0.01
69.167	0.00	0.00	0.001	O					0.01
69.250	0.00	0.00	0.001	O					0.01
69.333	0.00	0.00	0.001	O					0.01
69.417	0.00	0.00	0.001	O					0.01
69.500	0.00	0.00	0.001	O					0.01
69.583	0.00	0.00	0.001	O					0.01
69.667	0.00	0.00	0.001	O					0.01
69.750	0.00	0.00	0.001	O					0.01
69.833	0.00	0.00	0.001	O					0.01
69.917	0.00	0.00	0.001	O					0.01
70.000	0.00	0.00	0.001	O					0.01
70.083	0.00	0.00	0.001	O					0.01
70.167	0.00	0.00	0.001	O					0.01
70.250	0.00	0.00	0.001	O					0.01
70.333	0.00	0.00	0.001	O					0.01
70.417	0.00	0.00	0.001	O					0.01
70.500	0.00	0.00	0.001	O					0.01
70.583	0.00	0.00	0.001	O					0.01
70.667	0.00	0.00	0.001	O					0.01
70.750	0.00	0.00	0.001	O					0.01
70.833	0.00	0.00	0.001	O					0.01
70.917	0.00	0.00	0.001	O					0.01
71.000	0.00	0.00	0.001	O					0.01
71.083	0.00	0.00	0.001	O					0.01
71.167	0.00	0.00	0.001	O					0.01
71.250	0.00	0.00	0.001	O					0.01
71.333	0.00	0.00	0.001	O					0.01
71.417	0.00	0.00	0.001	O					0.01
71.500	0.00	0.00	0.001	O					0.01
71.583	0.00	0.00	0.001	O					0.00
71.667	0.00	0.00	0.001	O					0.00
71.750	0.00	0.00	0.001	O					0.00
71.833	0.00	0.00	0.001	O					0.00
71.917	0.00	0.00	0.001	O					0.00
72.000	0.00	0.00	0.001	O					0.00
72.083	0.00	0.00	0.001	O					0.00
72.167	0.00	0.00	0.001	O					0.00
72.250	0.00	0.00	0.001	O					0.00
72.333	0.00	0.00	0.001	O					0.00
72.417	0.00	0.00	0.001	O					0.00
72.500	0.00	0.00	0.001	O					0.00
72.583	0.00	0.00	0.001	O					0.00
72.667	0.00	0.00	0.001	O					0.00
72.750	0.00	0.00	0.001	O					0.00

72.833	0.00	0.00	0.001	O	|	|	|	|	0.00
72.917	0.00	0.00	0.001	O	|	|	|	|	0.00
73.000	0.00	0.00	0.001	O	|	|	|	|	0.00
73.083	0.00	0.00	0.001	O	|	|	|	|	0.00
73.167	0.00	0.00	0.001	O	|	|	|	|	0.00
73.250	0.00	0.00	0.001	O	|	|	|	|	0.00
73.333	0.00	0.00	0.001	O	|	|	|	|	0.00
73.417	0.00	0.00	0.001	O	|	|	|	|	0.00
73.500	0.00	0.00	0.001	O	|	|	|	|	0.00
73.583	0.00	0.00	0.001	O	|	|	|	|	0.00
73.667	0.00	0.00	0.001	O	|	|	|	|	0.00
73.750	0.00	0.00	0.001	O	|	|	|	|	0.00
73.833	0.00	0.00	0.001	O	|	|	|	|	0.00
73.917	0.00	0.00	0.001	O	|	|	|	|	0.00
74.000	0.00	0.00	0.001	O	|	|	|	|	0.00
74.083	0.00	0.00	0.001	O	|	|	|	|	0.00
74.167	0.00	0.00	0.001	O	|	|	|	|	0.00
74.250	0.00	0.00	0.001	O	|	|	|	|	0.00
74.333	0.00	0.00	0.001	O	|	|	|	|	0.00
74.417	0.00	0.00	0.001	O	|	|	|	|	0.00
74.500	0.00	0.00	0.001	O	|	|	|	|	0.00
74.583	0.00	0.00	0.001	O	|	|	|	|	0.00
74.667	0.00	0.00	0.001	O	|	|	|	|	0.00
74.750	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 897
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 9.605 (CFS)
Total volume = 2.878 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/10/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRD6100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 75
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 35.964 (CFS)
Total volume = 4.020 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

BASIN ROUTING- BASIN D
100YR-6 **HR STORM**

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 75
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.180	0.320	0.179	0.181
2.000	0.400	0.490	0.398	0.402
3.000	0.670	0.610	0.668	0.672
4.000	0.990	0.710	0.988	0.992
5.000	1.360	0.800	1.357	1.363
6.000	1.770	0.880	1.767	1.773
7.000	2.250	7.770	2.223	2.277
8.000	2.780	12.820	2.736	2.824
9.000	3.370	16.310	3.314	3.426
10.000	4.020	85.760	3.725	4.315

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 9.0 17.98 26.97 35.96	Depth (Ft.)
0.083	0.80	0.00	0.003	O | | | |	0.02
0.167	1.72	0.02	0.011	OI | | | |	0.06

```
0.250    2.03    0.04      0.024  OI      |       |       |       |      0.13
0.333    2.12    0.07      0.038  OI      |       |       |       |      0.21
0.417    2.14    0.09      0.052  OI      |       |       |       |      0.29
0.500    2.42    0.12      0.067  O I     |       |       |       |      0.37
0.583    2.68    0.15      0.084  O I     |       |       |       |      0.46
0.667    2.74    0.18      0.101  O I     |       |       |       |      0.56
0.750    2.76    0.21      0.119  O I     |       |       |       |      0.66
0.833    2.76    0.24      0.136  O I     |       |       |       |      0.76
0.917    2.76    0.27      0.153  O I     |       |       |       |      0.85
1.000    3.10    0.31      0.172  O I     |       |       |       |      0.95
1.083    3.43    0.33      0.192  O  I    |       |       |       |      1.05
1.167    3.50    0.35      0.214  O  I    |       |       |       |      1.15
1.250    3.53    0.36      0.235  O  I    |       |       |       |      1.25
1.333    3.53    0.38      0.257  O  I    |       |       |       |      1.35
1.417    3.53    0.40      0.279  O  I    |       |       |       |      1.45
1.500    3.53    0.41      0.300  O  I    |       |       |       |      1.55
1.583    3.53    0.43      0.321  O  I    |       |       |       |      1.64
1.667    3.53    0.45      0.343  O  I    |       |       |       |      1.74
1.750    3.53    0.46      0.364  O  I    |       |       |       |      1.84
1.833    3.53    0.48      0.385  O  I    |       |       |       |      1.93
1.917    3.53    0.49      0.406  O  I    |       |       |       |      2.02
2.000    3.87    0.50      0.428  O  I    |       |       |       |      2.10
2.083    3.85    0.51      0.451  O  I    |       |       |       |      2.19
2.167    3.94    0.52      0.474  O  I    |       |       |       |      2.28
2.250    4.23    0.53      0.499  O  I    |       |       |       |      2.37
2.333    4.26    0.55      0.524  O  I    |       |       |       |      2.46
2.417    4.29    0.56      0.550  O  I    |       |       |       |      2.56
2.500    4.29    0.57      0.576  O  I    |       |       |       |      2.65
2.583    4.29    0.58      0.601  O  I    |       |       |       |      2.75
2.667    4.29    0.59      0.627  O  I    |       |       |       |      2.84
2.750    4.64    0.60      0.653  O   I   |       |       |       |      2.94
2.833    4.96    0.61      0.682  O   I   |       |       |       |      3.04
2.917    5.03    0.62      0.712  O   I   |       |       |       |      3.13
3.000    5.06    0.63      0.743  O   I   |       |       |       |      3.23
3.083    5.06    0.64      0.773  O   I   |       |       |       |      3.32
3.167    5.40    0.65      0.805  O   I   |       |       |       |      3.42
3.250    5.73    0.66      0.839  O    I  |       |       |       |      3.53
3.333    5.79    0.67      0.874  O    I  |       |       |       |      3.64
3.417    6.17    0.69      0.910  O    I  |       |       |       |      3.75
3.500    6.84    0.70      0.950  O     I |       |       |       |      3.88
3.583    7.58    0.71      0.995  O     I |       |       |       |      4.01
3.667    8.00    0.72      1.044  O      I|       |       |       |      4.15
3.750    8.44    0.74      1.095  O      I|       |       |       |      4.28
3.833    8.80    0.75      1.150  O      I|       |       |       |      4.43
3.917    9.21    0.76      1.206  O       I       |       |       |      4.58
4.000    9.56    0.78      1.266  O       I       |       |       |      4.75
4.083    9.97    0.79      1.328  O       I       |       |       |      4.91
4.167   10.67    0.81      1.393  O       |I      |       |       |      5.08
4.250   11.41    0.82      1.464  O       | I     |       |       |      5.25
4.333   12.18    0.83      1.539  O       | I     |       |       |      5.44
4.417   12.94    0.85      1.620  O       |  I    |       |       |      5.63
4.500   13.36    0.87      1.705  O       |  I    |       |       |      5.84
4.583   13.80    1.18      1.791  |O      |   I   |       |       |      6.04
4.667   14.50    2.40      1.876  | O     |   I   |       |       |      6.22
4.750   15.24    3.58      1.958  |  O    |    I  |       |       |      6.39
4.833   15.66    4.70      2.036  |   O   |    I  |       |       |      6.55
4.917   16.10    5.75      2.109  |    O  |     I |       |       |      6.71
5.000   16.80    6.76      2.180  |     O |     I |       |       |      6.85
5.083   18.92    7.79      2.252  |     O |       I       |       |      7.00
5.167   22.38    8.61      2.338  |      O|       |  I    |       |      7.17
5.250   25.40    9.58      2.440  |       O       |     I |       |      7.36
5.333   27.89   10.67      2.554  |       |O      |       I       |      7.57
5.417   30.94   11.86      2.679  |       | O     |       |  I    |      7.81
5.500   35.96   13.08      2.823  |       |  O    |       |      I|      8.07
5.583   26.52   13.80      2.946  |       |   O   |      I|       |      8.28
5.667   11.70   14.01      2.982  |       | I O   |       |       |      8.34 PEAK OUTFLOW
5.750    5.34   13.79      2.945  |   I   |   O   |       |       |      8.28
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 5.833    2.53   13.40      2.878  | I     |  O    |       |       |     8.17
 5.917    1.59   12.95      2.802  |I      |  O    |       |       |     8.04
 6.000    1.01   12.28      2.724  I       | O     |       |       |     7.89
 6.083    0.46   11.55      2.647  I       | O     |       |       |     7.75
 6.167    0.10   10.83      2.572  I       |O      |       |       |     7.61
 6.250    0.03   10.15      2.500  I       |O      |       |       |     7.47
 6.333    0.00    9.51      2.432  I       O       |       |       |     7.34
 6.417    0.00    8.90      2.369  I      O|       |       |       |     7.22
 6.500    0.00    8.34      2.309  I      O|       |       |       |     7.11
 6.583    0.00    7.81      2.254  I     O |       |       |       |     7.01
 6.667    0.00    7.09      2.203  I     O |       |       |       |     6.90
 6.750    0.00    6.42      2.156  I    O  |       |       |       |     6.80
 6.833    0.00    5.82      2.114  I    O  |       |       |       |     6.72
 6.917    0.00    5.27      2.076  I   O   |       |       |       |     6.64
 7.000    0.00    4.77      2.041  I   O   |       |       |       |     6.56
 7.083    0.00    4.32      2.010  I  O    |       |       |       |     6.50
 7.167    0.00    3.92      1.981  I  O    |       |       |       |     6.44
 7.250    0.00    3.55      1.956  I  O    |       |       |       |     6.39
 7.333    0.00    3.21      1.932  I O     |       |       |       |     6.34
 7.417    0.00    2.91      1.911  I O     |       |       |       |     6.29
 7.500    0.00    2.64      1.892  I O     |       |       |       |     6.25
 7.583    0.00    2.39      1.875  I O     |       |       |       |     6.22
 7.667    0.00    2.16      1.859  IO      |       |       |       |     6.19
 7.750    0.00    1.96      1.845  IO      |       |       |       |     6.16
 7.833    0.00    1.77      1.832  IO      |       |       |       |     6.13
 7.917    0.00    1.61      1.821  IO      |       |       |       |     6.11
 8.000    0.00    1.46      1.810  IO      |       |       |       |     6.08
 8.083    0.00    1.32      1.801  IO      |       |       |       |     6.06
 8.167    0.00    1.19      1.792  IO      |       |       |       |     6.05
 8.250    0.00    1.08      1.784  O       |       |       |       |     6.03
 8.333    0.00    0.98      1.777  O       |       |       |       |     6.01
 8.417    0.00    0.89      1.771  O       |       |       |       |     6.00
 8.500    0.00    0.88      1.764  O       |       |       |       |     5.99
 8.583    0.00    0.88      1.758  O       |       |       |       |     5.97
 8.667    0.00    0.88      1.752  O       |       |       |       |     5.96
 8.750    0.00    0.88      1.746  O       |       |       |       |     5.94
 8.833    0.00    0.87      1.740  O       |       |       |       |     5.93
 8.917    0.00    0.87      1.734  O       |       |       |       |     5.91
 9.000    0.00    0.87      1.728  O       |       |       |       |     5.90
 9.083    0.00    0.87      1.722  O       |       |       |       |     5.88
 9.167    0.00    0.87      1.716  O       |       |       |       |     5.87
 9.250    0.00    0.87      1.710  O       |       |       |       |     5.85
 9.333    0.00    0.87      1.704  O       |       |       |       |     5.84
 9.417    0.00    0.87      1.698  O       |       |       |       |     5.83
 9.500    0.00    0.86      1.692  O       |       |       |       |     5.81
 9.583    0.00    0.86      1.686  O       |       |       |       |     5.80
 9.667    0.00    0.86      1.680  O       |       |       |       |     5.78
 9.750    0.00    0.86      1.675  O       |       |       |       |     5.77
 9.833    0.00    0.86      1.669  O       |       |       |       |     5.75
 9.917    0.00    0.86      1.663  O       |       |       |       |     5.74
10.000    0.00    0.86      1.657  O       |       |       |       |     5.72
10.083    0.00    0.86      1.651  O       |       |       |       |     5.71
10.167    0.00    0.86      1.645  O       |       |       |       |     5.70
10.250    0.00    0.85      1.639  O       |       |       |       |     5.68
10.333    0.00    0.85      1.633  O       |       |       |       |     5.67
10.417    0.00    0.85      1.627  O       |       |       |       |     5.65
10.500    0.00    0.85      1.621  O       |       |       |       |     5.64
10.583    0.00    0.85      1.616  O       |       |       |       |     5.62
10.667    0.00    0.85      1.610  O       |       |       |       |     5.61
10.750    0.00    0.85      1.604  O       |       |       |       |     5.59
10.833    0.00    0.85      1.598  O       |       |       |       |     5.58
10.917    0.00    0.85      1.592  O       |       |       |       |     5.57
11.000    0.00    0.84      1.586  O       |       |       |       |     5.55
11.083    0.00    0.84      1.581  O       |       |       |       |     5.54
11.167    0.00    0.84      1.575  O       |       |       |       |     5.52
11.250    0.00    0.84      1.569  O       |       |       |       |     5.51
11.333    0.00    0.84      1.563  O       |       |       |       |     5.50
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11.417	0.00	0.84	1.557	O	|	|	|	|	5.48
11.500	0.00	0.84	1.552	O	|	|	|	|	5.47
11.583	0.00	0.84	1.546	O	|	|	|	|	5.45
11.667	0.00	0.84	1.540	O	|	|	|	|	5.44
11.750	0.00	0.83	1.534	O	|	|	|	|	5.43
11.833	0.00	0.83	1.529	O	|	|	|	|	5.41
11.917	0.00	0.83	1.523	O	|	|	|	|	5.40
12.000	0.00	0.83	1.517	O	|	|	|	|	5.38
12.083	0.00	0.83	1.512	O	|	|	|	|	5.37
12.167	0.00	0.83	1.506	O	|	|	|	|	5.36
12.250	0.00	0.83	1.500	O	|	|	|	|	5.34
12.333	0.00	0.83	1.494	O	|	|	|	|	5.33
12.417	0.00	0.83	1.489	O	|	|	|	|	5.31
12.500	0.00	0.82	1.483	O	|	|	|	|	5.30
12.583	0.00	0.82	1.477	O	|	|	|	|	5.29
12.667	0.00	0.82	1.472	O	|	|	|	|	5.27
12.750	0.00	0.82	1.466	O	|	|	|	|	5.26
12.833	0.00	0.82	1.460	O	|	|	|	|	5.24
12.917	0.00	0.82	1.455	O	|	|	|	|	5.23
13.000	0.00	0.82	1.449	O	|	|	|	|	5.22
13.083	0.00	0.82	1.444	O	|	|	|	|	5.20
13.167	0.00	0.82	1.438	O	|	|	|	|	5.19
13.250	0.00	0.81	1.432	O	|	|	|	|	5.18
13.333	0.00	0.81	1.427	O	|	|	|	|	5.16
13.417	0.00	0.81	1.421	O	|	|	|	|	5.15
13.500	0.00	0.81	1.416	O	|	|	|	|	5.14
13.583	0.00	0.81	1.410	O	|	|	|	|	5.12
13.667	0.00	0.81	1.404	O	|	|	|	|	5.11
13.750	0.00	0.81	1.399	O	|	|	|	|	5.09
13.833	0.00	0.81	1.393	O	|	|	|	|	5.08
13.917	0.00	0.81	1.388	O	|	|	|	|	5.07
14.000	0.00	0.80	1.382	O	|	|	|	|	5.05
14.083	0.00	0.80	1.377	O	|	|	|	|	5.04
14.167	0.00	0.80	1.371	O	|	|	|	|	5.03
14.250	0.00	0.80	1.366	O	|	|	|	|	5.01
14.333	0.00	0.80	1.360	O	|	|	|	|	5.00
14.417	0.00	0.80	1.355	O	|	|	|	|	4.99
14.500	0.00	0.80	1.349	O	|	|	|	|	4.97
14.583	0.00	0.80	1.344	O	|	|	|	|	4.96
14.667	0.00	0.79	1.338	O	|	|	|	|	4.94
14.750	0.00	0.79	1.333	O	|	|	|	|	4.93
14.833	0.00	0.79	1.327	O	|	|	|	|	4.91
14.917	0.00	0.79	1.322	O	|	|	|	|	4.90
15.000	0.00	0.79	1.316	O	|	|	|	|	4.88
15.083	0.00	0.79	1.311	O	|	|	|	|	4.87
15.167	0.00	0.79	1.305	O	|	|	|	|	4.85
15.250	0.00	0.79	1.300	O	|	|	|	|	4.84
15.333	0.00	0.78	1.295	O	|	|	|	|	4.82
15.417	0.00	0.78	1.289	O	|	|	|	|	4.81
15.500	0.00	0.78	1.284	O	|	|	|	|	4.79
15.583	0.00	0.78	1.278	O	|	|	|	|	4.78
15.667	0.00	0.78	1.273	O	|	|	|	|	4.77
15.750	0.00	0.78	1.268	O	|	|	|	|	4.75
15.833	0.00	0.78	1.262	O	|	|	|	|	4.74
15.917	0.00	0.77	1.257	O	|	|	|	|	4.72
16.000	0.00	0.77	1.252	O	|	|	|	|	4.71
16.083	0.00	0.77	1.246	O	|	|	|	|	4.69
16.167	0.00	0.77	1.241	O	|	|	|	|	4.68
16.250	0.00	0.77	1.236	O	|	|	|	|	4.66
16.333	0.00	0.77	1.230	O	|	|	|	|	4.65
16.417	0.00	0.77	1.225	O	|	|	|	|	4.64
16.500	0.00	0.77	1.220	O	|	|	|	|	4.62
16.583	0.00	0.76	1.215	O	|	|	|	|	4.61
16.667	0.00	0.76	1.209	O	|	|	|	|	4.59
16.750	0.00	0.76	1.204	O	|	|	|	|	4.58
16.833	0.00	0.76	1.199	O	|	|	|	|	4.56
16.917	0.00	0.76	1.194	O	|	|	|	|	4.55

17.000	0.00	0.76	1.188	O	|	|	|	4.54
17.083	0.00	0.76	1.183	O	|	|	|	4.52
17.167	0.00	0.76	1.178	O	|	|	|	4.51
17.250	0.00	0.75	1.173	O	|	|	|	4.49
17.333	0.00	0.75	1.168	O	|	|	|	4.48
17.417	0.00	0.75	1.162	O	|	|	|	4.47
17.500	0.00	0.75	1.157	O	|	|	|	4.45
17.583	0.00	0.75	1.152	O	|	|	|	4.44
17.667	0.00	0.75	1.147	O	|	|	|	4.42
17.750	0.00	0.75	1.142	O	|	|	|	4.41
17.833	0.00	0.75	1.137	O	|	|	|	4.40
17.917	0.00	0.74	1.131	O	|	|	|	4.38
18.000	0.00	0.74	1.126	O	|	|	|	4.37
18.083	0.00	0.74	1.121	O	|	|	|	4.35
18.167	0.00	0.74	1.116	O	|	|	|	4.34
18.250	0.00	0.74	1.111	O	|	|	|	4.33
18.333	0.00	0.74	1.106	O	|	|	|	4.31
18.417	0.00	0.74	1.101	O	|	|	|	4.30
18.500	0.00	0.74	1.096	O	|	|	|	4.29
18.583	0.00	0.73	1.091	O	|	|	|	4.27
18.667	0.00	0.73	1.086	O	|	|	|	4.26
18.750	0.00	0.73	1.081	O	|	|	|	4.24
18.833	0.00	0.73	1.076	O	|	|	|	4.23
18.917	0.00	0.73	1.071	O	|	|	|	4.22
19.000	0.00	0.73	1.066	O	|	|	|	4.20
19.083	0.00	0.73	1.061	O	|	|	|	4.19
19.167	0.00	0.73	1.056	O	|	|	|	4.18
19.250	0.00	0.72	1.051	O	|	|	|	4.16
19.333	0.00	0.72	1.046	O	|	|	|	4.15
19.417	0.00	0.72	1.041	O	|	|	|	4.14
19.500	0.00	0.72	1.036	O	|	|	|	4.12
19.583	0.00	0.72	1.031	O	|	|	|	4.11
19.667	0.00	0.72	1.026	O	|	|	|	4.10
19.750	0.00	0.72	1.021	O	|	|	|	4.08
19.833	0.00	0.72	1.016	O	|	|	|	4.07
19.917	0.00	0.72	1.011	O	|	|	|	4.06
20.000	0.00	0.71	1.006	O	|	|	|	4.04
20.083	0.00	0.71	1.001	O	|	|	|	4.03
20.167	0.00	0.71	0.996	O	|	|	|	4.02
20.250	0.00	0.71	0.991	O	|	|	|	4.00
20.333	0.00	0.71	0.986	O	|	|	|	3.99
20.417	0.00	0.71	0.981	O	|	|	|	3.97
20.500	0.00	0.71	0.977	O	|	|	|	3.96
20.583	0.00	0.70	0.972	O	|	|	|	3.94
20.667	0.00	0.70	0.967	O	|	|	|	3.93
20.750	0.00	0.70	0.962	O	|	|	|	3.91
20.833	0.00	0.70	0.957	O	|	|	|	3.90
20.917	0.00	0.70	0.952	O	|	|	|	3.88
21.000	0.00	0.70	0.948	O	|	|	|	3.87
21.083	0.00	0.70	0.943	O	|	|	|	3.85
21.167	0.00	0.69	0.938	O	|	|	|	3.84
21.250	0.00	0.69	0.933	O	|	|	|	3.82
21.333	0.00	0.69	0.929	O	|	|	|	3.81
21.417	0.00	0.69	0.924	O	|	|	|	3.79
21.500	0.00	0.69	0.919	O	|	|	|	3.78
21.583	0.00	0.69	0.914	O	|	|	|	3.76
21.667	0.00	0.68	0.910	O	|	|	|	3.75
21.750	0.00	0.68	0.905	O	|	|	|	3.73
21.833	0.00	0.68	0.900	O	|	|	|	3.72
21.917	0.00	0.68	0.895	O	|	|	|	3.70
22.000	0.00	0.68	0.891	O	|	|	|	3.69
22.083	0.00	0.68	0.886	O	|	|	|	3.68
22.167	0.00	0.68	0.881	O	|	|	|	3.66
22.250	0.00	0.67	0.877	O	|	|	|	3.65
22.333	0.00	0.67	0.872	O	|	|	|	3.63
22.417	0.00	0.67	0.868	O	|	|	|	3.62
22.500	0.00	0.67	0.863	O	|	|	|	3.60

22.583	0.00	0.67	0.858	O	|	|	|	|	3.59
22.667	0.00	0.67	0.854	O	|	|	|	|	3.57
22.750	0.00	0.67	0.849	O	|	|	|	|	3.56
22.833	0.00	0.66	0.845	O	|	|	|	|	3.55
22.917	0.00	0.66	0.840	O	|	|	|	|	3.53
23.000	0.00	0.66	0.835	O	|	|	|	|	3.52
23.083	0.00	0.66	0.831	O	|	|	|	|	3.50
23.167	0.00	0.66	0.826	O	|	|	|	|	3.49
23.250	0.00	0.66	0.822	O	|	|	|	|	3.47
23.333	0.00	0.66	0.817	O	|	|	|	|	3.46
23.417	0.00	0.65	0.813	O	|	|	|	|	3.45
23.500	0.00	0.65	0.808	O	|	|	|	|	3.43
23.583	0.00	0.65	0.804	O	|	|	|	|	3.42
23.667	0.00	0.65	0.799	O	|	|	|	|	3.40
23.750	0.00	0.65	0.795	O	|	|	|	|	3.39
23.833	0.00	0.65	0.790	O	|	|	|	|	3.38
23.917	0.00	0.65	0.786	O	|	|	|	|	3.36
24.000	0.00	0.64	0.781	O	|	|	|	|	3.35
24.083	0.00	0.64	0.777	O	|	|	|	|	3.33
24.167	0.00	0.64	0.773	O	|	|	|	|	3.32
24.250	0.00	0.64	0.768	O	|	|	|	|	3.31
24.333	0.00	0.64	0.764	O	|	|	|	|	3.29
24.417	0.00	0.64	0.759	O	|	|	|	|	3.28
24.500	0.00	0.64	0.755	O	|	|	|	|	3.27
24.583	0.00	0.64	0.751	O	|	|	|	|	3.25
24.667	0.00	0.63	0.746	O	|	|	|	|	3.24
24.750	0.00	0.63	0.742	O	|	|	|	|	3.22
24.833	0.00	0.63	0.737	O	|	|	|	|	3.21
24.917	0.00	0.63	0.733	O	|	|	|	|	3.20
25.000	0.00	0.63	0.729	O	|	|	|	|	3.18
25.083	0.00	0.63	0.724	O	|	|	|	|	3.17
25.167	0.00	0.63	0.720	O	|	|	|	|	3.16
25.250	0.00	0.62	0.716	O	|	|	|	|	3.14
25.333	0.00	0.62	0.712	O	|	|	|	|	3.13
25.417	0.00	0.62	0.707	O	|	|	|	|	3.12
25.500	0.00	0.62	0.703	O	|	|	|	|	3.10
25.583	0.00	0.62	0.699	O	|	|	|	|	3.09
25.667	0.00	0.62	0.694	O	|	|	|	|	3.08
25.750	0.00	0.62	0.690	O	|	|	|	|	3.06
25.833	0.00	0.61	0.686	O	|	|	|	|	3.05
25.917	0.00	0.61	0.682	O	|	|	|	|	3.04
26.000	0.00	0.61	0.678	O	|	|	|	|	3.02
26.083	0.00	0.61	0.673	O	|	|	|	|	3.01
26.167	0.00	0.61	0.669	O	|	|	|	|	3.00
26.250	0.00	0.61	0.665	O	|	|	|	|	2.98
26.333	0.00	0.61	0.661	O	|	|	|	|	2.97
26.417	0.00	0.60	0.657	O	|	|	|	|	2.95
26.500	0.00	0.60	0.652	O	|	|	|	|	2.93
26.583	0.00	0.60	0.648	O	|	|	|	|	2.92
26.667	0.00	0.60	0.644	O	|	|	|	|	2.90
26.750	0.00	0.60	0.640	O	|	|	|	|	2.89
26.833	0.00	0.59	0.636	O	|	|	|	|	2.87
26.917	0.00	0.59	0.632	O	|	|	|	|	2.86
27.000	0.00	0.59	0.628	O	|	|	|	|	2.84
27.083	0.00	0.59	0.624	O	|	|	|	|	2.83
27.167	0.00	0.59	0.620	O	|	|	|	|	2.81
27.250	0.00	0.59	0.616	O	|	|	|	|	2.80
27.333	0.00	0.58	0.612	O	|	|	|	|	2.78
27.417	0.00	0.58	0.608	O	|	|	|	|	2.77
27.500	0.00	0.58	0.604	O	|	|	|	|	2.75
27.583	0.00	0.58	0.600	O	|	|	|	|	2.74
27.667	0.00	0.58	0.596	O	|	|	|	|	2.72
27.750	0.00	0.58	0.592	O	|	|	|	|	2.71
27.833	0.00	0.57	0.588	O	|	|	|	|	2.70
27.917	0.00	0.57	0.584	O	|	|	|	|	2.68
28.000	0.00	0.57	0.580	O	|	|	|	|	2.67
28.083	0.00	0.57	0.576	O	|	|	|	|	2.65

28.167	0.00	0.57	0.572	O	|	|	|	|	2.64
28.250	0.00	0.56	0.568	O	|	|	|	|	2.62
28.333	0.00	0.56	0.564	O	|	|	|	|	2.61
28.417	0.00	0.56	0.560	O	|	|	|	|	2.59
28.500	0.00	0.56	0.556	O	|	|	|	|	2.58
28.583	0.00	0.56	0.553	O	|	|	|	|	2.57
28.667	0.00	0.56	0.549	O	|	|	|	|	2.55
28.750	0.00	0.55	0.545	O	|	|	|	|	2.54
28.833	0.00	0.55	0.541	O	|	|	|	|	2.52
28.917	0.00	0.55	0.537	O	|	|	|	|	2.51
29.000	0.00	0.55	0.534	O	|	|	|	|	2.49
29.083	0.00	0.55	0.530	O	|	|	|	|	2.48
29.167	0.00	0.55	0.526	O	|	|	|	|	2.47
29.250	0.00	0.54	0.522	O	|	|	|	|	2.45
29.333	0.00	0.54	0.518	O	|	|	|	|	2.44
29.417	0.00	0.54	0.515	O	|	|	|	|	2.43
29.500	0.00	0.54	0.511	O	|	|	|	|	2.41
29.583	0.00	0.54	0.507	O	|	|	|	|	2.40
29.667	0.00	0.54	0.504	O	|	|	|	|	2.38
29.750	0.00	0.53	0.500	O	|	|	|	|	2.37
29.833	0.00	0.53	0.496	O	|	|	|	|	2.36
29.917	0.00	0.53	0.493	O	|	|	|	|	2.34
30.000	0.00	0.53	0.489	O	|	|	|	|	2.33
30.083	0.00	0.53	0.485	O	|	|	|	|	2.32
30.167	0.00	0.53	0.482	O	|	|	|	|	2.30
30.250	0.00	0.52	0.478	O	|	|	|	|	2.29
30.333	0.00	0.52	0.474	O	|	|	|	|	2.28
30.417	0.00	0.52	0.471	O	|	|	|	|	2.26
30.500	0.00	0.52	0.467	O	|	|	|	|	2.25
30.583	0.00	0.52	0.464	O	|	|	|	|	2.24
30.667	0.00	0.52	0.460	O	|	|	|	|	2.22
30.750	0.00	0.52	0.457	O	|	|	|	|	2.21
30.833	0.00	0.51	0.453	O	|	|	|	|	2.20
30.917	0.00	0.51	0.450	O	|	|	|	|	2.18
31.000	0.00	0.51	0.446	O	|	|	|	|	2.17
31.083	0.00	0.51	0.442	O	|	|	|	|	2.16
31.167	0.00	0.51	0.439	O	|	|	|	|	2.14
31.250	0.00	0.51	0.435	O	|	|	|	|	2.13
31.333	0.00	0.50	0.432	O	|	|	|	|	2.12
31.417	0.00	0.50	0.429	O	|	|	|	|	2.11
31.500	0.00	0.50	0.425	O	|	|	|	|	2.09
31.583	0.00	0.50	0.422	O	|	|	|	|	2.08
31.667	0.00	0.50	0.418	O	|	|	|	|	2.07
31.750	0.00	0.50	0.415	O	|	|	|	|	2.05
31.833	0.00	0.50	0.411	O	|	|	|	|	2.04
31.917	0.00	0.49	0.408	O	|	|	|	|	2.03
32.000	0.00	0.49	0.405	O	|	|	|	|	2.02
32.083	0.00	0.49	0.401	O	|	|	|	|	2.00
32.167	0.00	0.49	0.398	O	|	|	|	|	1.99
32.250	0.00	0.49	0.394	O	|	|	|	|	1.97
32.333	0.00	0.48	0.391	O	|	|	|	|	1.96
32.417	0.00	0.48	0.388	O	|	|	|	|	1.94
32.500	0.00	0.48	0.385	O	|	|	|	|	1.93
32.583	0.00	0.48	0.381	O	|	|	|	|	1.91
32.667	0.00	0.47	0.378	O	|	|	|	|	1.90
32.750	0.00	0.47	0.375	O	|	|	|	|	1.89
32.833	0.00	0.47	0.371	O	|	|	|	|	1.87
32.917	0.00	0.47	0.368	O	|	|	|	|	1.86
33.000	0.00	0.46	0.365	O	|	|	|	|	1.84
33.083	0.00	0.46	0.362	O	|	|	|	|	1.83
33.167	0.00	0.46	0.359	O	|	|	|	|	1.81
33.250	0.00	0.46	0.356	O	|	|	|	|	1.80
33.333	0.00	0.45	0.352	O	|	|	|	|	1.78
33.417	0.00	0.45	0.349	O	|	|	|	|	1.77
33.500	0.00	0.45	0.346	O	|	|	|	|	1.76
33.583	0.00	0.45	0.343	O	|	|	|	|	1.74
33.667	0.00	0.44	0.340	O	|	|	|	|	1.73

33.750	0.00	0.44	0.337	O	|	|	|	|	1.71
33.833	0.00	0.44	0.334	O	|	|	|	|	1.70
33.917	0.00	0.44	0.331	O	|	|	|	|	1.69
34.000	0.00	0.43	0.328	O	|	|	|	|	1.67
34.083	0.00	0.43	0.325	O	|	|	|	|	1.66
34.167	0.00	0.43	0.322	O	|	|	|	|	1.65
34.250	0.00	0.43	0.319	O	|	|	|	|	1.63
34.333	0.00	0.43	0.316	O	|	|	|	|	1.62
34.417	0.00	0.42	0.313	O	|	|	|	|	1.61
34.500	0.00	0.42	0.310	O	|	|	|	|	1.59
34.583	0.00	0.42	0.307	O	|	|	|	|	1.58
34.667	0.00	0.42	0.305	O	|	|	|	|	1.57
34.750	0.00	0.41	0.302	O	|	|	|	|	1.55
34.833	0.00	0.41	0.299	O	|	|	|	|	1.54
34.917	0.00	0.41	0.296	O	|	|	|	|	1.53
35.000	0.00	0.41	0.293	O	|	|	|	|	1.51
35.083	0.00	0.41	0.290	O	|	|	|	|	1.50
35.167	0.00	0.40	0.288	O	|	|	|	|	1.49
35.250	0.00	0.40	0.285	O	|	|	|	|	1.48
35.333	0.00	0.40	0.282	O	|	|	|	|	1.46
35.417	0.00	0.40	0.279	O	|	|	|	|	1.45
35.500	0.00	0.39	0.277	O	|	|	|	|	1.44
35.583	0.00	0.39	0.274	O	|	|	|	|	1.43
35.667	0.00	0.39	0.271	O	|	|	|	|	1.41
35.750	0.00	0.39	0.269	O	|	|	|	|	1.40
35.833	0.00	0.39	0.266	O	|	|	|	|	1.39
35.917	0.00	0.38	0.263	O	|	|	|	|	1.38
36.000	0.00	0.38	0.261	O	|	|	|	|	1.37
36.083	0.00	0.38	0.258	O	|	|	|	|	1.35
36.167	0.00	0.38	0.255	O	|	|	|	|	1.34
36.250	0.00	0.38	0.253	O	|	|	|	|	1.33
36.333	0.00	0.37	0.250	O	|	|	|	|	1.32
36.417	0.00	0.37	0.248	O	|	|	|	|	1.31
36.500	0.00	0.37	0.245	O	|	|	|	|	1.30
36.583	0.00	0.37	0.243	O	|	|	|	|	1.28
36.667	0.00	0.37	0.240	O	|	|	|	|	1.27
36.750	0.00	0.36	0.237	O	|	|	|	|	1.26
36.833	0.00	0.36	0.235	O	|	|	|	|	1.25
36.917	0.00	0.36	0.232	O	|	|	|	|	1.24
37.000	0.00	0.36	0.230	O	|	|	|	|	1.23
37.083	0.00	0.36	0.228	O	|	|	|	|	1.22
37.167	0.00	0.35	0.225	O	|	|	|	|	1.20
37.250	0.00	0.35	0.223	O	|	|	|	|	1.19
37.333	0.00	0.35	0.220	O	|	|	|	|	1.18
37.417	0.00	0.35	0.218	O	|	|	|	|	1.17
37.500	0.00	0.35	0.215	O	|	|	|	|	1.16
37.583	0.00	0.35	0.213	O	|	|	|	|	1.15
37.667	0.00	0.34	0.211	O	|	|	|	|	1.14
37.750	0.00	0.34	0.208	O	|	|	|	|	1.13
37.833	0.00	0.34	0.206	O	|	|	|	|	1.12
37.917	0.00	0.34	0.204	O	|	|	|	|	1.11
38.000	0.00	0.34	0.201	O	|	|	|	|	1.10
38.083	0.00	0.33	0.199	O	|	|	|	|	1.09
38.167	0.00	0.33	0.197	O	|	|	|	|	1.08
38.250	0.00	0.33	0.194	O	|	|	|	|	1.07
38.333	0.00	0.33	0.192	O	|	|	|	|	1.06
38.417	0.00	0.33	0.190	O	|	|	|	|	1.04
38.500	0.00	0.33	0.188	O	|	|	|	|	1.03
38.583	0.00	0.32	0.185	O	|	|	|	|	1.02
38.667	0.00	0.32	0.183	O	|	|	|	|	1.01
38.750	0.00	0.32	0.181	O	|	|	|	|	1.00
38.833	0.00	0.32	0.179	O	|	|	|	|	0.99
38.917	0.00	0.31	0.177	O	|	|	|	|	0.98
39.000	0.00	0.31	0.174	O	|	|	|	|	0.97
39.083	0.00	0.31	0.172	O	|	|	|	|	0.96
39.167	0.00	0.30	0.170	O	|	|	|	|	0.95
39.250	0.00	0.30	0.168	O	|	|	|	|	0.93

39.333	0.00	0.30	0.166	O	|	|	|	|	0.92
39.417	0.00	0.29	0.164	O	|	|	|	|	0.91
39.500	0.00	0.29	0.162	O	|	|	|	|	0.90
39.583	0.00	0.28	0.160	O	|	|	|	|	0.89
39.667	0.00	0.28	0.158	O	|	|	|	|	0.88
39.750	0.00	0.28	0.156	O	|	|	|	|	0.87
39.833	0.00	0.27	0.154	O	|	|	|	|	0.86
39.917	0.00	0.27	0.152	O	|	|	|	|	0.85
40.000	0.00	0.27	0.151	O	|	|	|	|	0.84
40.083	0.00	0.26	0.149	O	|	|	|	|	0.83
40.167	0.00	0.26	0.147	O	|	|	|	|	0.82
40.250	0.00	0.26	0.145	O	|	|	|	|	0.81
40.333	0.00	0.25	0.143	O	|	|	|	|	0.80
40.417	0.00	0.25	0.142	O	|	|	|	|	0.79
40.500	0.00	0.25	0.140	O	|	|	|	|	0.78
40.583	0.00	0.25	0.138	O	|	|	|	|	0.77
40.667	0.00	0.24	0.137	O	|	|	|	|	0.76
40.750	0.00	0.24	0.135	O	|	|	|	|	0.75
40.833	0.00	0.24	0.133	O	|	|	|	|	0.74
40.917	0.00	0.23	0.132	O	|	|	|	|	0.73
41.000	0.00	0.23	0.130	O	|	|	|	|	0.72
41.083	0.00	0.23	0.128	O	|	|	|	|	0.71
41.167	0.00	0.23	0.127	O	|	|	|	|	0.70
41.250	0.00	0.22	0.125	O	|	|	|	|	0.70
41.333	0.00	0.22	0.124	O	|	|	|	|	0.69
41.417	0.00	0.22	0.122	O	|	|	|	|	0.68
41.500	0.00	0.21	0.121	O	|	|	|	|	0.67
41.583	0.00	0.21	0.119	O	|	|	|	|	0.66
41.667	0.00	0.21	0.118	O	|	|	|	|	0.65
41.750	0.00	0.21	0.116	O	|	|	|	|	0.65
41.833	0.00	0.20	0.115	O	|	|	|	|	0.64
41.917	0.00	0.20	0.114	O	|	|	|	|	0.63
42.000	0.00	0.20	0.112	O	|	|	|	|	0.62
42.083	0.00	0.20	0.111	O	|	|	|	|	0.62
42.167	0.00	0.19	0.110	O	|	|	|	|	0.61
42.250	0.00	0.19	0.108	O	|	|	|	|	0.60
42.333	0.00	0.19	0.107	O	|	|	|	|	0.59
42.417	0.00	0.19	0.106	O	|	|	|	|	0.59
42.500	0.00	0.19	0.104	O	|	|	|	|	0.58
42.583	0.00	0.18	0.103	O	|	|	|	|	0.57
42.667	0.00	0.18	0.102	O	|	|	|	|	0.57
42.750	0.00	0.18	0.101	O	|	|	|	|	0.56
42.833	0.00	0.18	0.099	O	|	|	|	|	0.55
42.917	0.00	0.17	0.098	O	|	|	|	|	0.54
43.000	0.00	0.17	0.097	O	|	|	|	|	0.54
43.083	0.00	0.17	0.096	O	|	|	|	|	0.53
43.167	0.00	0.17	0.095	O	|	|	|	|	0.53
43.250	0.00	0.17	0.093	O	|	|	|	|	0.52
43.333	0.00	0.16	0.092	O	|	|	|	|	0.51
43.417	0.00	0.16	0.091	O	|	|	|	|	0.51
43.500	0.00	0.16	0.090	O	|	|	|	|	0.50
43.583	0.00	0.16	0.089	O	|	|	|	|	0.49
43.667	0.00	0.16	0.088	O	|	|	|	|	0.49
43.750	0.00	0.15	0.087	O	|	|	|	|	0.48
43.833	0.00	0.15	0.086	O	|	|	|	|	0.48
43.917	0.00	0.15	0.085	O	|	|	|	|	0.47
44.000	0.00	0.15	0.084	O	|	|	|	|	0.46
44.083	0.00	0.15	0.083	O	|	|	|	|	0.46
44.167	0.00	0.15	0.082	O	|	|	|	|	0.45
44.250	0.00	0.14	0.081	O	|	|	|	|	0.45
44.333	0.00	0.14	0.080	O	|	|	|	|	0.44
44.417	0.00	0.14	0.079	O	|	|	|	|	0.44
44.500	0.00	0.14	0.078	O	|	|	|	|	0.43
44.583	0.00	0.14	0.077	O	|	|	|	|	0.43
44.667	0.00	0.13	0.076	O	|	|	|	|	0.42
44.750	0.00	0.13	0.075	O	|	|	|	|	0.42
44.833	0.00	0.13	0.074	O	|	|	|	|	0.41

44.917	0.00	0.13	0.073	O	|	|	|	|	0.41
45.000	0.00	0.13	0.072	O	|	|	|	|	0.40
45.083	0.00	0.13	0.071	O	|	|	|	|	0.40
45.167	0.00	0.13	0.070	O	|	|	|	|	0.39
45.250	0.00	0.12	0.070	O	|	|	|	|	0.39
45.333	0.00	0.12	0.069	O	|	|	|	|	0.38
45.417	0.00	0.12	0.068	O	|	|	|	|	0.38
45.500	0.00	0.12	0.067	O	|	|	|	|	0.37
45.583	0.00	0.12	0.066	O	|	|	|	|	0.37
45.667	0.00	0.12	0.065	O	|	|	|	|	0.36
45.750	0.00	0.11	0.065	O	|	|	|	|	0.36
45.833	0.00	0.11	0.064	O	|	|	|	|	0.35
45.917	0.00	0.11	0.063	O	|	|	|	|	0.35
46.000	0.00	0.11	0.062	O	|	|	|	|	0.35
46.083	0.00	0.11	0.062	O	|	|	|	|	0.34
46.167	0.00	0.11	0.061	O	|	|	|	|	0.34
46.250	0.00	0.11	0.060	O	|	|	|	|	0.33
46.333	0.00	0.11	0.059	O	|	|	|	|	0.33
46.417	0.00	0.10	0.059	O	|	|	|	|	0.33
46.500	0.00	0.10	0.058	O	|	|	|	|	0.32
46.583	0.00	0.10	0.057	O	|	|	|	|	0.32
46.667	0.00	0.10	0.057	O	|	|	|	|	0.31
46.750	0.00	0.10	0.056	O	|	|	|	|	0.31
46.833	0.00	0.10	0.055	O	|	|	|	|	0.31
46.917	0.00	0.10	0.054	O	|	|	|	|	0.30
47.000	0.00	0.10	0.054	O	|	|	|	|	0.30
47.083	0.00	0.09	0.053	O	|	|	|	|	0.30
47.167	0.00	0.09	0.053	O	|	|	|	|	0.29
47.250	0.00	0.09	0.052	O	|	|	|	|	0.29
47.333	0.00	0.09	0.051	O	|	|	|	|	0.28
47.417	0.00	0.09	0.051	O	|	|	|	|	0.28
47.500	0.00	0.09	0.050	O	|	|	|	|	0.28
47.583	0.00	0.09	0.049	O	|	|	|	|	0.27
47.667	0.00	0.09	0.049	O	|	|	|	|	0.27
47.750	0.00	0.09	0.048	O	|	|	|	|	0.27
47.833	0.00	0.08	0.048	O	|	|	|	|	0.26
47.917	0.00	0.08	0.047	O	|	|	|	|	0.26
48.000	0.00	0.08	0.046	O	|	|	|	|	0.26
48.083	0.00	0.08	0.046	O	|	|	|	|	0.26
48.167	0.00	0.08	0.045	O	|	|	|	|	0.25
48.250	0.00	0.08	0.045	O	|	|	|	|	0.25
48.333	0.00	0.08	0.044	O	|	|	|	|	0.25
48.417	0.00	0.08	0.044	O	|	|	|	|	0.24
48.500	0.00	0.08	0.043	O	|	|	|	|	0.24
48.583	0.00	0.08	0.043	O	|	|	|	|	0.24
48.667	0.00	0.07	0.042	O	|	|	|	|	0.23
48.750	0.00	0.07	0.042	O	|	|	|	|	0.23
48.833	0.00	0.07	0.041	O	|	|	|	|	0.23
48.917	0.00	0.07	0.041	O	|	|	|	|	0.23
49.000	0.00	0.07	0.040	O	|	|	|	|	0.22
49.083	0.00	0.07	0.040	O	|	|	|	|	0.22
49.167	0.00	0.07	0.039	O	|	|	|	|	0.22
49.250	0.00	0.07	0.039	O	|	|	|	|	0.21
49.333	0.00	0.07	0.038	O	|	|	|	|	0.21
49.417	0.00	0.07	0.038	O	|	|	|	|	0.21
49.500	0.00	0.07	0.037	O	|	|	|	|	0.21
49.583	0.00	0.07	0.037	O	|	|	|	|	0.20
49.667	0.00	0.06	0.036	O	|	|	|	|	0.20
49.750	0.00	0.06	0.036	O	|	|	|	|	0.20
49.833	0.00	0.06	0.036	O	|	|	|	|	0.20
49.917	0.00	0.06	0.035	O	|	|	|	|	0.19
50.000	0.00	0.06	0.035	O	|	|	|	|	0.19
50.083	0.00	0.06	0.034	O	|	|	|	|	0.19
50.167	0.00	0.06	0.034	O	|	|	|	|	0.19
50.250	0.00	0.06	0.033	O	|	|	|	|	0.19
50.333	0.00	0.06	0.033	O	|	|	|	|	0.18
50.417	0.00	0.06	0.033	O	|	|	|	|	0.18

50.500	0.00	0.06	0.032	O	|	|	|	|	0.18
50.583	0.00	0.06	0.032	O	|	|	|	|	0.18
50.667	0.00	0.06	0.031	O	|	|	|	|	0.17
50.750	0.00	0.06	0.031	O	|	|	|	|	0.17
50.833	0.00	0.05	0.031	O	|	|	|	|	0.17
50.917	0.00	0.05	0.030	O	|	|	|	|	0.17
51.000	0.00	0.05	0.030	O	|	|	|	|	0.17
51.083	0.00	0.05	0.030	O	|	|	|	|	0.16
51.167	0.00	0.05	0.029	O	|	|	|	|	0.16
51.250	0.00	0.05	0.029	O	|	|	|	|	0.16
51.333	0.00	0.05	0.028	O	|	|	|	|	0.16
51.417	0.00	0.05	0.028	O	|	|	|	|	0.16
51.500	0.00	0.05	0.028	O	|	|	|	|	0.15
51.583	0.00	0.05	0.027	O	|	|	|	|	0.15
51.667	0.00	0.05	0.027	O	|	|	|	|	0.15
51.750	0.00	0.05	0.027	O	|	|	|	|	0.15
51.833	0.00	0.05	0.026	O	|	|	|	|	0.15
51.917	0.00	0.05	0.026	O	|	|	|	|	0.15
52.000	0.00	0.05	0.026	O	|	|	|	|	0.14
52.083	0.00	0.05	0.026	O	|	|	|	|	0.14
52.167	0.00	0.04	0.025	O	|	|	|	|	0.14
52.250	0.00	0.04	0.025	O	|	|	|	|	0.14
52.333	0.00	0.04	0.025	O	|	|	|	|	0.14
52.417	0.00	0.04	0.024	O	|	|	|	|	0.13
52.500	0.00	0.04	0.024	O	|	|	|	|	0.13
52.583	0.00	0.04	0.024	O	|	|	|	|	0.13
52.667	0.00	0.04	0.023	O	|	|	|	|	0.13
52.750	0.00	0.04	0.023	O	|	|	|	|	0.13
52.833	0.00	0.04	0.023	O	|	|	|	|	0.13
52.917	0.00	0.04	0.023	O	|	|	|	|	0.13
53.000	0.00	0.04	0.022	O	|	|	|	|	0.12
53.083	0.00	0.04	0.022	O	|	|	|	|	0.12
53.167	0.00	0.04	0.022	O	|	|	|	|	0.12
53.250	0.00	0.04	0.021	O	|	|	|	|	0.12
53.333	0.00	0.04	0.021	O	|	|	|	|	0.12
53.417	0.00	0.04	0.021	O	|	|	|	|	0.12
53.500	0.00	0.04	0.021	O	|	|	|	|	0.12
53.583	0.00	0.04	0.020	O	|	|	|	|	0.11
53.667	0.00	0.04	0.020	O	|	|	|	|	0.11
53.750	0.00	0.04	0.020	O	|	|	|	|	0.11
53.833	0.00	0.04	0.020	O	|	|	|	|	0.11
53.917	0.00	0.03	0.019	O	|	|	|	|	0.11
54.000	0.00	0.03	0.019	O	|	|	|	|	0.11
54.083	0.00	0.03	0.019	O	|	|	|	|	0.11
54.167	0.00	0.03	0.019	O	|	|	|	|	0.10
54.250	0.00	0.03	0.019	O	|	|	|	|	0.10
54.333	0.00	0.03	0.018	O	|	|	|	|	0.10
54.417	0.00	0.03	0.018	O	|	|	|	|	0.10
54.500	0.00	0.03	0.018	O	|	|	|	|	0.10
54.583	0.00	0.03	0.018	O	|	|	|	|	0.10
54.667	0.00	0.03	0.017	O	|	|	|	|	0.10
54.750	0.00	0.03	0.017	O	|	|	|	|	0.10
54.833	0.00	0.03	0.017	O	|	|	|	|	0.09
54.917	0.00	0.03	0.017	O	|	|	|	|	0.09
55.000	0.00	0.03	0.017	O	|	|	|	|	0.09
55.083	0.00	0.03	0.016	O	|	|	|	|	0.09
55.167	0.00	0.03	0.016	O	|	|	|	|	0.09
55.250	0.00	0.03	0.016	O	|	|	|	|	0.09
55.333	0.00	0.03	0.016	O	|	|	|	|	0.09
55.417	0.00	0.03	0.016	O	|	|	|	|	0.09
55.500	0.00	0.03	0.015	O	|	|	|	|	0.09
55.583	0.00	0.03	0.015	O	|	|	|	|	0.08
55.667	0.00	0.03	0.015	O	|	|	|	|	0.08
55.750	0.00	0.03	0.015	O	|	|	|	|	0.08
55.833	0.00	0.03	0.015	O	|	|	|	|	0.08
55.917	0.00	0.03	0.015	O	|	|	|	|	0.08
56.000	0.00	0.03	0.014	O	|	|	|	|	0.08

56.083	0.00	0.03	0.014	O	|	|	|	|	0.08
56.167	0.00	0.02	0.014	O	|	|	|	|	0.08
56.250	0.00	0.02	0.014	O	|	|	|	|	0.08
56.333	0.00	0.02	0.014	O	|	|	|	|	0.08
56.417	0.00	0.02	0.013	O	|	|	|	|	0.07
56.500	0.00	0.02	0.013	O	|	|	|	|	0.07
56.583	0.00	0.02	0.013	O	|	|	|	|	0.07
56.667	0.00	0.02	0.013	O	|	|	|	|	0.07
56.750	0.00	0.02	0.013	O	|	|	|	|	0.07
56.833	0.00	0.02	0.013	O	|	|	|	|	0.07
56.917	0.00	0.02	0.013	O	|	|	|	|	0.07
57.000	0.00	0.02	0.012	O	|	|	|	|	0.07
57.083	0.00	0.02	0.012	O	|	|	|	|	0.07
57.167	0.00	0.02	0.012	O	|	|	|	|	0.07
57.250	0.00	0.02	0.012	O	|	|	|	|	0.07
57.333	0.00	0.02	0.012	O	|	|	|	|	0.07
57.417	0.00	0.02	0.012	O	|	|	|	|	0.06
57.500	0.00	0.02	0.012	O	|	|	|	|	0.06
57.583	0.00	0.02	0.011	O	|	|	|	|	0.06
57.667	0.00	0.02	0.011	O	|	|	|	|	0.06
57.750	0.00	0.02	0.011	O	|	|	|	|	0.06
57.833	0.00	0.02	0.011	O	|	|	|	|	0.06
57.917	0.00	0.02	0.011	O	|	|	|	|	0.06
58.000	0.00	0.02	0.011	O	|	|	|	|	0.06
58.083	0.00	0.02	0.011	O	|	|	|	|	0.06
58.167	0.00	0.02	0.010	O	|	|	|	|	0.06
58.250	0.00	0.02	0.010	O	|	|	|	|	0.06
58.333	0.00	0.02	0.010	O	|	|	|	|	0.06
58.417	0.00	0.02	0.010	O	|	|	|	|	0.06
58.500	0.00	0.02	0.010	O	|	|	|	|	0.06
58.583	0.00	0.02	0.010	O	|	|	|	|	0.05
58.667	0.00	0.02	0.010	O	|	|	|	|	0.05
58.750	0.00	0.02	0.010	O	|	|	|	|	0.05
58.833	0.00	0.02	0.009	O	|	|	|	|	0.05
58.917	0.00	0.02	0.009	O	|	|	|	|	0.05
59.000	0.00	0.02	0.009	O	|	|	|	|	0.05
59.083	0.00	0.02	0.009	O	|	|	|	|	0.05
59.167	0.00	0.02	0.009	O	|	|	|	|	0.05
59.250	0.00	0.02	0.009	O	|	|	|	|	0.05
59.333	0.00	0.02	0.009	O	|	|	|	|	0.05
59.417	0.00	0.02	0.009	O	|	|	|	|	0.05
59.500	0.00	0.02	0.009	O	|	|	|	|	0.05
59.583	0.00	0.02	0.008	O	|	|	|	|	0.05
59.667	0.00	0.01	0.008	O	|	|	|	|	0.05
59.750	0.00	0.01	0.008	O	|	|	|	|	0.05
59.833	0.00	0.01	0.008	O	|	|	|	|	0.05
59.917	0.00	0.01	0.008	O	|	|	|	|	0.04
60.000	0.00	0.01	0.008	O	|	|	|	|	0.04
60.083	0.00	0.01	0.008	O	|	|	|	|	0.04
60.167	0.00	0.01	0.008	O	|	|	|	|	0.04
60.250	0.00	0.01	0.008	O	|	|	|	|	0.04
60.333	0.00	0.01	0.008	O	|	|	|	|	0.04
60.417	0.00	0.01	0.007	O	|	|	|	|	0.04
60.500	0.00	0.01	0.007	O	|	|	|	|	0.04
60.583	0.00	0.01	0.007	O	|	|	|	|	0.04
60.667	0.00	0.01	0.007	O	|	|	|	|	0.04
60.750	0.00	0.01	0.007	O	|	|	|	|	0.04
60.833	0.00	0.01	0.007	O	|	|	|	|	0.04
60.917	0.00	0.01	0.007	O	|	|	|	|	0.04
61.000	0.00	0.01	0.007	O	|	|	|	|	0.04
61.083	0.00	0.01	0.007	O	|	|	|	|	0.04
61.167	0.00	0.01	0.007	O	|	|	|	|	0.04
61.250	0.00	0.01	0.007	O	|	|	|	|	0.04
61.333	0.00	0.01	0.007	O	|	|	|	|	0.04
61.417	0.00	0.01	0.006	O	|	|	|	|	0.04
61.500	0.00	0.01	0.006	O	|	|	|	|	0.04
61.583	0.00	0.01	0.006	O	|	|	|	|	0.04

61.667	0.00	0.01	0.006	O					0.03
61.750	0.00	0.01	0.006	O					0.03
61.833	0.00	0.01	0.006	O					0.03
61.917	0.00	0.01	0.006	O					0.03
62.000	0.00	0.01	0.006	O					0.03
62.083	0.00	0.01	0.006	O					0.03
62.167	0.00	0.01	0.006	O					0.03
62.250	0.00	0.01	0.006	O					0.03
62.333	0.00	0.01	0.006	O					0.03
62.417	0.00	0.01	0.006	O					0.03
62.500	0.00	0.01	0.006	O					0.03
62.583	0.00	0.01	0.005	O					0.03
62.667	0.00	0.01	0.005	O					0.03
62.750	0.00	0.01	0.005	O					0.03
62.833	0.00	0.01	0.005	O					0.03
62.917	0.00	0.01	0.005	O					0.03
63.000	0.00	0.01	0.005	O					0.03
63.083	0.00	0.01	0.005	O					0.03
63.167	0.00	0.01	0.005	O					0.03
63.250	0.00	0.01	0.005	O					0.03
63.333	0.00	0.01	0.005	O					0.03
63.417	0.00	0.01	0.005	O					0.03
63.500	0.00	0.01	0.005	O					0.03
63.583	0.00	0.01	0.005	O					0.03
63.667	0.00	0.01	0.005	O					0.03
63.750	0.00	0.01	0.005	O					0.03
63.833	0.00	0.01	0.005	O					0.03
63.917	0.00	0.01	0.004	O					0.02
64.000	0.00	0.01	0.004	O					0.02
64.083	0.00	0.01	0.004	O					0.02
64.167	0.00	0.01	0.004	O					0.02
64.250	0.00	0.01	0.004	O					0.02
64.333	0.00	0.01	0.004	O					0.02
64.417	0.00	0.01	0.004	O					0.02
64.500	0.00	0.01	0.004	O					0.02
64.583	0.00	0.01	0.004	O					0.02
64.667	0.00	0.01	0.004	O					0.02
64.750	0.00	0.01	0.004	O					0.02
64.833	0.00	0.01	0.004	O					0.02
64.917	0.00	0.01	0.004	O					0.02
65.000	0.00	0.01	0.004	O					0.02
65.083	0.00	0.01	0.004	O					0.02
65.167	0.00	0.01	0.004	O					0.02
65.250	0.00	0.01	0.004	O					0.02
65.333	0.00	0.01	0.004	O					0.02
65.417	0.00	0.01	0.004	O					0.02
65.500	0.00	0.01	0.004	O					0.02
65.583	0.00	0.01	0.004	O					0.02
65.667	0.00	0.01	0.003	O					0.02
65.750	0.00	0.01	0.003	O					0.02
65.833	0.00	0.01	0.003	O					0.02
65.917	0.00	0.01	0.003	O					0.02
66.000	0.00	0.01	0.003	O					0.02
66.083	0.00	0.01	0.003	O					0.02
66.167	0.00	0.01	0.003	O					0.02
66.250	0.00	0.01	0.003	O					0.02
66.333	0.00	0.01	0.003	O					0.02
66.417	0.00	0.01	0.003	O					0.02
66.500	0.00	0.01	0.003	O					0.02
66.583	0.00	0.01	0.003	O					0.02
66.667	0.00	0.01	0.003	O					0.02
66.750	0.00	0.01	0.003	O					0.02
66.833	0.00	0.01	0.003	O					0.02
66.917	0.00	0.01	0.003	O					0.02
67.000	0.00	0.01	0.003	O					0.02
67.083	0.00	0.01	0.003	O					0.02
67.167	0.00	0.00	0.003	O					0.02

67.250	0.00	0.00	0.003	O					0.02
67.333	0.00	0.00	0.003	O					0.02
67.417	0.00	0.00	0.003	O					0.01
67.500	0.00	0.00	0.003	O					0.01
67.583	0.00	0.00	0.003	O					0.01
67.667	0.00	0.00	0.003	O					0.01
67.750	0.00	0.00	0.003	O					0.01
67.833	0.00	0.00	0.003	O					0.01
67.917	0.00	0.00	0.002	O					0.01
68.000	0.00	0.00	0.002	O					0.01
68.083	0.00	0.00	0.002	O					0.01
68.167	0.00	0.00	0.002	O					0.01
68.250	0.00	0.00	0.002	O					0.01
68.333	0.00	0.00	0.002	O					0.01
68.417	0.00	0.00	0.002	O					0.01
68.500	0.00	0.00	0.002	O					0.01
68.583	0.00	0.00	0.002	O					0.01
68.667	0.00	0.00	0.002	O					0.01
68.750	0.00	0.00	0.002	O					0.01
68.833	0.00	0.00	0.002	O					0.01
68.917	0.00	0.00	0.002	O					0.01
69.000	0.00	0.00	0.002	O					0.01
69.083	0.00	0.00	0.002	O					0.01
69.167	0.00	0.00	0.002	O					0.01
69.250	0.00	0.00	0.002	O					0.01
69.333	0.00	0.00	0.002	O					0.01
69.417	0.00	0.00	0.002	O					0.01
69.500	0.00	0.00	0.002	O					0.01
69.583	0.00	0.00	0.002	O					0.01
69.667	0.00	0.00	0.002	O					0.01
69.750	0.00	0.00	0.002	O					0.01
69.833	0.00	0.00	0.002	O					0.01
69.917	0.00	0.00	0.002	O					0.01
70.000	0.00	0.00	0.002	O					0.01
70.083	0.00	0.00	0.002	O					0.01
70.167	0.00	0.00	0.002	O					0.01
70.250	0.00	0.00	0.002	O					0.01
70.333	0.00	0.00	0.002	O					0.01
70.417	0.00	0.00	0.002	O					0.01
70.500	0.00	0.00	0.002	O					0.01
70.583	0.00	0.00	0.002	O					0.01
70.667	0.00	0.00	0.002	O					0.01
70.750	0.00	0.00	0.002	O					0.01
70.833	0.00	0.00	0.002	O					0.01
70.917	0.00	0.00	0.002	O					0.01
71.000	0.00	0.00	0.002	O					0.01
71.083	0.00	0.00	0.002	O					0.01
71.167	0.00	0.00	0.002	O					0.01
71.250	0.00	0.00	0.002	O					0.01
71.333	0.00	0.00	0.002	O					0.01
71.417	0.00	0.00	0.001	O					0.01
71.500	0.00	0.00	0.001	O					0.01
71.583	0.00	0.00	0.001	O					0.01
71.667	0.00	0.00	0.001	O					0.01
71.750	0.00	0.00	0.001	O					0.01
71.833	0.00	0.00	0.001	O					0.01
71.917	0.00	0.00	0.001	O					0.01
72.000	0.00	0.00	0.001	O					0.01
72.083	0.00	0.00	0.001	O					0.01
72.167	0.00	0.00	0.001	O					0.01
72.250	0.00	0.00	0.001	O					0.01
72.333	0.00	0.00	0.001	O					0.01
72.417	0.00	0.00	0.001	O					0.01
72.500	0.00	0.00	0.001	O					0.01
72.583	0.00	0.00	0.001	O					0.01
72.667	0.00	0.00	0.001	O					0.01
72.750	0.00	0.00	0.001	O					0.01

72.833	0.00	0.00	0.001	O	|	|	|	|	0.01
72.917	0.00	0.00	0.001	O	|	|	|	|	0.01
73.000	0.00	0.00	0.001	O	|	|	|	|	0.01
73.083	0.00	0.00	0.001	O	|	|	|	|	0.01
73.167	0.00	0.00	0.001	O	|	|	|	|	0.01
73.250	0.00	0.00	0.001	O	|	|	|	|	0.01
73.333	0.00	0.00	0.001	O	|	|	|	|	0.01
73.417	0.00	0.00	0.001	O	|	|	|	|	0.01
73.500	0.00	0.00	0.001	O	|	|	|	|	0.01
73.583	0.00	0.00	0.001	O	|	|	|	|	0.01
73.667	0.00	0.00	0.001	O	|	|	|	|	0.01
73.750	0.00	0.00	0.001	O	|	|	|	|	0.01
73.833	0.00	0.00	0.001	O	|	|	|	|	0.01
73.917	0.00	0.00	0.001	O	|	|	|	|	0.01
74.000	0.00	0.00	0.001	O	|	|	|	|	0.01
74.083	0.00	0.00	0.001	O	|	|	|	|	0.01
74.167	0.00	0.00	0.001	O	|	|	|	|	0.01
74.250	0.00	0.00	0.001	O	|	|	|	|	0.01
74.333	0.00	0.00	0.001	O	|	|	|	|	0.01
74.417	0.00	0.00	0.001	O	|	|	|	|	0.01
74.500	0.00	0.00	0.001	O	|	|	|	|	0.01
74.583	0.00	0.00	0.001	O	|	|	|	|	0.01
74.667	0.00	0.00	0.001	O	|	|	|	|	0.01
74.750	0.00	0.00	0.001	O	|	|	|	|	0.01
74.833	0.00	0.00	0.001	O	|	|	|	|	0.01
74.917	0.00	0.00	0.001	O	|	|	|	|	0.00
75.000	0.00	0.00	0.001	O	|	|	|	|	0.00
75.083	0.00	0.00	0.001	O	|	|	|	|	0.00
75.167	0.00	0.00	0.001	O	|	|	|	|	0.00
75.250	0.00	0.00	0.001	O	|	|	|	|	0.00
75.333	0.00	0.00	0.001	O	|	|	|	|	0.00
75.417	0.00	0.00	0.001	O	|	|	|	|	0.00
75.500	0.00	0.00	0.001	O	|	|	|	|	0.00
75.583	0.00	0.00	0.001	O	|	|	|	|	0.00
75.667	0.00	0.00	0.001	O	|	|	|	|	0.00
75.750	0.00	0.00	0.001	O	|	|	|	|	0.00
75.833	0.00	0.00	0.001	O	|	|	|	|	0.00
75.917	0.00	0.00	0.001	O	|	|	|	|	0.00
76.000	0.00	0.00	0.001	O	|	|	|	|	0.00
76.083	0.00	0.00	0.001	O	|	|	|	|	0.00
76.167	0.00	0.00	0.001	O	|	|	|	|	0.00
76.250	0.00	0.00	0.001	O	|	|	|	|	0.00
76.333	0.00	0.00	0.001	O	|	|	|	|	0.00
76.417	0.00	0.00	0.001	O	|	|	|	|	0.00
76.500	0.00	0.00	0.001	O	|	|	|	|	0.00
76.583	0.00	0.00	0.001	O	|	|	|	|	0.00
76.667	0.00	0.00	0.001	O	|	|	|	|	0.00
76.750	0.00	0.00	0.001	O	|	|	|	|	0.00
76.833	0.00	0.00	0.001	O	|	|	|	|	0.00
76.917	0.00	0.00	0.001	O	|	|	|	|	0.00
77.000	0.00	0.00	0.001	O	|	|	|	|	0.00
77.083	0.00	0.00	0.001	O	|	|	|	|	0.00
77.167	0.00	0.00	0.001	O	|	|	|	|	0.00
77.250	0.00	0.00	0.001	O	|	|	|	|	0.00
77.333	0.00	0.00	0.001	O	|	|	|	|	0.00
77.417	0.00	0.00	0.001	O	|	|	|	|	0.00
77.500	0.00	0.00	0.001	O	|	|	|	|	0.00
77.583	0.00	0.00	0.001	O	|	|	|	|	0.00
77.667	0.00	0.00	0.001	O	|	|	|	|	0.00
77.750	0.00	0.00	0.001	O	|	|	|	|	0.00
77.833	0.00	0.00	0.001	O	|	|	|	|	0.00
77.917	0.00	0.00	0.001	O	|	|	|	|	0.00
78.000	0.00	0.00	0.001	O	|	|	|	|	0.00
78.083	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 937

```
            Time interval =    5.0 (Min.)
            Maximum/Peak flow rate =       14.014 (CFS)
            Total volume =       4.019 (Ac.Ft)
      Status of hydrographs being held in storage
                 Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
      Peak (CFS)      0.000     0.000     0.000     0.000     0.000
      Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
****************************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/09/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRD24100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 291
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 18.025 (CFS)
Total volume = 8.749 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

BASIN ROUTING- BASIN D
100YR-24HR STORM

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 291
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.180	0.320	0.179	0.181
2.000	0.400	0.490	0.398	0.402
3.000	0.670	0.610	0.668	0.672
4.000	0.990	0.710	0.988	0.992
5.000	1.360	0.800	1.357	1.363
6.000	1.770	0.880	1.767	1.773
7.000	2.250	7.770	2.223	2.277
8.000	2.780	12.820	2.736	2.824
9.000	3.370	16.310	3.314	3.426
10.000	4.020	85.760	3.725	4.315

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 4.5 9.01 13.52 18.02	Depth (Ft.)
0.083	0.25	0.00	0.001	O | | | |	0.00
0.167	0.49	0.01	0.003	O | | | |	0.02

0.250	0.53	0.01	0.007	O	|	|	|	0.04
0.333	0.68	0.02	0.011	OI	|	|	|	0.06
0.417	0.80	0.03	0.016	OI	|	|	|	0.09
0.500	0.82	0.04	0.021	OI	|	|	|	0.12
0.583	0.83	0.05	0.027	OI	|	|	|	0.15
0.667	0.83	0.06	0.032	OI	|	|	|	0.18
0.750	0.83	0.07	0.037	OI	|	|	|	0.21
0.833	0.96	0.08	0.043	OI	|	|	|	0.24
0.917	1.07	0.09	0.049	OI	|	|	|	0.27
1.000	1.10	0.10	0.056	OI	|	|	|	0.31
1.083	0.98	0.11	0.063	OI	|	|	|	0.35
1.167	0.86	0.12	0.068	OI	|	|	|	0.38
1.250	0.84	0.13	0.073	OI	|	|	|	0.41
1.333	0.83	0.14	0.078	OI	|	|	|	0.43
1.417	0.83	0.15	0.083	OI	|	|	|	0.46
1.500	0.83	0.16	0.087	OI	|	|	|	0.49
1.583	0.83	0.16	0.092	OI	|	|	|	0.51
1.667	0.83	0.17	0.097	OI	|	|	|	0.54
1.750	0.83	0.18	0.101	OI	|	|	|	0.56
1.833	0.96	0.19	0.106	OI	|	|	|	0.59
1.917	1.07	0.20	0.112	OI	|	|	|	0.62
2.000	1.10	0.21	0.118	OI	|	|	|	0.65
2.083	1.11	0.22	0.124	OI	|	|	|	0.69
2.167	1.11	0.23	0.130	OI	|	|	|	0.72
2.250	1.11	0.24	0.136	OI	|	|	|	0.76
2.333	1.11	0.25	0.142	OI	|	|	|	0.79
2.417	1.11	0.26	0.148	OI	|	|	|	0.82
2.500	1.11	0.27	0.153	OI	|	|	|	0.85
2.583	1.23	0.28	0.160	O I	|	|	|	0.89
2.667	1.35	0.30	0.167	O I	|	|	|	0.93
2.750	1.37	0.31	0.174	O I	|	|	|	0.97
2.833	1.39	0.32	0.181	O I	|	|	|	1.01
2.917	1.39	0.33	0.188	O I	|	|	|	1.04
3.000	1.39	0.33	0.196	O I	|	|	|	1.07
3.083	1.39	0.34	0.203	O I	|	|	|	1.10
3.167	1.39	0.34	0.210	O I	|	|	|	1.14
3.250	1.39	0.35	0.217	O I	|	|	|	1.17
3.333	1.39	0.35	0.224	O I	|	|	|	1.20
3.417	1.39	0.36	0.232	O I	|	|	|	1.23
3.500	1.39	0.37	0.239	O I	|	|	|	1.27
3.583	1.39	0.37	0.246	O I	|	|	|	1.30
3.667	1.39	0.38	0.253	O I	|	|	|	1.33
3.750	1.39	0.38	0.259	O I	|	|	|	1.36
3.833	1.51	0.39	0.267	O I	|	|	|	1.39
3.917	1.63	0.39	0.275	O I	|	|	|	1.43
4.000	1.65	0.40	0.283	O I	|	|	|	1.47
4.083	1.66	0.41	0.292	O I	|	|	|	1.51
4.167	1.66	0.41	0.301	O I	|	|	|	1.55
4.250	1.66	0.42	0.309	O I	|	|	|	1.59
4.333	1.79	0.43	0.318	O I	|	|	|	1.63
4.417	1.91	0.43	0.328	O I	|	|	|	1.67
4.500	1.93	0.44	0.338	O I	|	|	|	1.72
4.583	1.94	0.45	0.348	O I	|	|	|	1.77
4.667	1.94	0.46	0.359	O I	|	|	|	1.81
4.750	1.94	0.47	0.369	O I	|	|	|	1.86
4.833	2.06	0.47	0.379	O I	|	|	|	1.91
4.917	2.18	0.48	0.391	O I	|	|	|	1.96
5.000	2.21	0.49	0.402	O I	|	|	|	2.01
5.083	1.97	0.50	0.413	O I	|	|	|	2.05
5.167	1.73	0.50	0.423	O I	|	|	|	2.08
5.250	1.68	0.50	0.431	O I	|	|	|	2.11
5.333	1.79	0.51	0.440	O I	|	|	|	2.15
5.417	1.91	0.51	0.449	O I	|	|	|	2.18
5.500	1.93	0.52	0.458	O I	|	|	|	2.22
5.583	2.06	0.52	0.469	O I	|	|	|	2.25
5.667	2.18	0.53	0.480	O I	|	|	|	2.29
5.750	2.21	0.53	0.491	O I	|	|	|	2.34

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 5.833    2.22    0.54      0.503  O  I    |       |       |       |     2.38
 5.917    2.22    0.54      0.514  O  I    |       |       |       |     2.42
 6.000    2.22    0.55      0.526  O  I    |       |       |       |     2.47
 6.083    2.34    0.55      0.538  O   I   |       |       |       |     2.51
 6.167    2.46    0.56      0.550  O   I   |       |       |       |     2.56
 6.250    2.48    0.56      0.563  O   I   |       |       |       |     2.61
 6.333    2.49    0.57      0.577  |O  I   |       |       |       |     2.65
 6.417    2.49    0.57      0.590  |O  I   |       |       |       |     2.70
 6.500    2.49    0.58      0.603  |O  I   |       |       |       |     2.75
 6.583    2.62    0.59      0.617  |O  I   |       |       |       |     2.80
 6.667    2.74    0.59      0.631  |O  I   |       |       |       |     2.86
 6.750    2.76    0.60      0.646  |O  I   |       |       |       |     2.91
 6.833    2.77    0.61      0.661  |O  I   |       |       |       |     2.97
 6.917    2.77    0.61      0.676  |O  I   |       |       |       |     3.02
 7.000    2.77    0.62      0.691  |O  I   |       |       |       |     3.06
 7.083    2.77    0.62      0.705  |O  I   |       |       |       |     3.11
 7.167    2.77    0.63      0.720  |O  I   |       |       |       |     3.16
 7.250    2.77    0.63      0.735  |O  I   |       |       |       |     3.20
 7.333    3.04    0.64      0.751  |O   I  |       |       |       |     3.25
 7.417    3.29    0.64      0.768  |O   I  |       |       |       |     3.31
 7.500    3.35    0.65      0.786  |O   I  |       |       |       |     3.36
 7.583    3.66    0.65      0.806  |O    I |       |       |       |     3.43
 7.667    3.93    0.66      0.828  |O    I |       |       |       |     3.49
 7.750    3.99    0.67      0.850  |O     I|       |       |       |     3.56
 7.833    4.30    0.67      0.874  |O     I|       |       |       |     3.64
 7.917    4.57    0.68      0.900  |O      I       |       |       |     3.72
 8.000    4.63    0.69      0.927  |O      I       |       |       |     3.80
 8.083    5.21    0.70      0.956  |O      |I      |       |       |     3.89
 8.167    5.73    0.71      0.989  |O      | I     |       |       |     4.00
 8.250    5.84    0.72      1.024  |O      | I     |       |       |     4.09
 8.333    5.90    0.73      1.059  |O      | I     |       |       |     4.19
 8.417    5.92    0.74      1.095  |O      | I     |       |       |     4.28
 8.500    5.93    0.74      1.131  |O      | I     |       |       |     4.38
 8.583    6.22    0.75      1.168  |O      |  I    |       |       |     4.48
 8.667    6.48    0.76      1.206  |O      |  I    |       |       |     4.58
 8.750    6.55    0.77      1.246  |O      |  I    |       |       |     4.69
 8.833    6.85    0.78      1.286  |O      |   I   |       |       |     4.80
 8.917    7.12    0.79      1.329  |O      |   I   |       |       |     4.92
 9.000    7.19    0.80      1.373  |O      |   I   |       |       |     5.03
 9.083    7.76    0.81      1.419  |O      |    I  |       |       |     5.14
 9.167    8.28    0.82      1.468  |O      |     I |       |       |     5.26
 9.250    8.40    0.83      1.520  |O      |     I |       |       |     5.39
 9.333    8.72    0.84      1.573  |O      |      I|       |       |     5.52
 9.417    8.99    0.85      1.629  |O      |      I|       |       |     5.66
 9.500    9.06    0.86      1.685  |O      |       I       |       |     5.79
 9.583    9.36    0.87      1.742  |O      |       I       |       |     5.93
 9.667    9.63    1.31      1.800  | O     |       |I      |       |     6.06
 9.750    9.69    2.10      1.855  |  O    |       |I      |       |     6.18
 9.833   10.00    2.83      1.906  |    O  |       |I      |       |     6.28
 9.917   10.27    3.52      1.954  |     O |       | I     |       |     6.38
10.000   10.33    4.16      1.998  |      O|       | I     |       |     6.48
10.083    8.48    4.65      2.033  |       O      I|       |       |     6.55
10.167    6.72    4.93      2.052  |       O  I    |       |       |     6.59
10.250    6.38    5.08      2.063  |       |O I    |       |       |     6.61
10.333    6.23    5.20      2.071  |       |O I    |       |       |     6.63
10.417    6.25    5.29      2.078  |       |O I    |       |       |     6.64
10.500    6.26    5.38      2.084  |       |O I    |       |       |     6.65
10.583    7.62    5.53      2.094  |       |O   I  |       |       |     6.68
10.667    8.90    5.79      2.112  |       | O    I|       |       |     6.71
10.750    9.16    6.09      2.133  |       | O     I       |       |     6.76
10.833    9.29    6.39      2.154  |       |  O    I       |       |     6.80
10.917    9.30    6.66      2.173  |       |  O    I       |       |     6.84
11.000    9.32    6.91      2.190  |       |   O   I       |       |     6.88
11.083    9.06    7.13      2.205  |       |   O   I       |       |     6.91
11.167    8.82    7.30      2.217  |       |   O  I|       |       |     6.93
11.250    8.78    7.44      2.227  |       |    O I|       |       |     6.95
11.333    8.77    7.57      2.236  |       |    O I|       |       |     6.97
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11.417	8.78	7.68	2.244	|	|	O I|	|	|	6.99	
11.500	8.80	7.78	2.251	|	|	O I|	|	|	7.00	
11.583	8.27	7.83	2.256	|	|	OI |	|	|	7.01	
11.667	7.78	7.84	2.257	|	|	O |	|	|	7.01	
11.750	7.69	7.83	2.257	|	|	O |	|	|	7.01	
11.833	7.92	7.83	2.256	|	|	OI |	|	|	7.01	
11.917	8.19	7.85	2.258	|	|	OI |	|	|	7.01	
12.000	8.25	7.87	2.260	|	|	OI |	|	|	7.02	
12.083	10.17	7.95	2.269	|	|	O | I	|	|	7.04	
12.167	11.96	8.15	2.290	|	|	O | I |	|	|	7.08	
12.250	12.32	8.41	2.317	|	|	O | I |	|	|	7.13	
12.333	12.77	8.67	2.344	|	|	O| I |	|	|	7.18	
12.417	13.03	8.94	2.373	|	|	O| I|	|	|	7.23	
12.500	13.09	9.20	2.400	|	|	O I|	|	|	7.28	
12.583	13.67	9.47	2.428	|	|	O I |	|	|	7.34	
12.667	14.19	9.75	2.458	|	|	|O I|	|	|	7.39	
12.750	14.30	10.03	2.488	|	|	|O I|	|	|	7.45	
12.833	14.62	10.32	2.517	|	|	| O |I|	|	|	7.50	
12.917	14.89	10.60	2.547	|	|	| O | I|	|	|	7.56	
13.000	14.95	10.87	2.576	|	|	| O | I|	|	|	7.61	
13.083	16.33	11.18	2.607	|	|	| O | I |	|	7.67	
13.167	17.61	11.54	2.646	|	|	| O | | I|	|	7.75	
13.250	17.88	11.94	2.687	|	|	| O | | I|	|	7.83	
13.333	18.00	12.32	2.727	|	|	| O | | I|	|	7.90	
13.417	18.01	12.68	2.765	|	|	| O | | I|	|	7.97	
13.500	18.02	12.95	2.801	|	|	| O | | I |	|	8.04	
13.583	15.08	13.09	2.826	|	|	| O| I |	|	8.08	
13.667	12.29	**13.11**	**2.830**	|	|	| **I O**|	|	**8.08**	**PEAK OUTFLOW**
13.750	11.75	13.07	2.822	|	|	| I O|	|	8.07	**MAX DEPTH**
13.833	11.51	13.01	2.813	|	|	| I O|	|	8.06	
13.917	11.53	12.95	2.802	|	|	| I O |	|	8.04	
14.000	11.54	12.90	2.793	|	|	| I O |	|	8.02	
14.083	12.62	12.86	2.787	|	|	| O |	|	8.01	
14.167	13.65	12.87	2.789	|	|	| O I |	|	8.02	
14.250	13.86	12.91	2.795	|	|	| O I |	|	8.03	
14.333	13.70	12.94	2.801	|	|	| O I |	|	8.04	
14.417	13.45	12.97	2.805	|	|	| O|	|	8.04	
14.500	13.41	12.99	2.808	|	|	| O|	|	8.05	
14.583	13.40	13.00	2.811	|	|	| O|	|	8.05	
14.667	13.41	13.02	2.814	|	|	| O|	|	8.06	
14.750	13.42	13.04	2.817	|	|	| O|	|	8.06	
14.833	13.16	13.05	2.818	|	|	| O|	|	8.06	
14.917	12.92	13.05	2.818	|	|	| IO|	|	8.06	
15.000	12.88	13.04	2.817	|	|	| IO|	|	8.06	
15.083	12.60	13.03	2.815	|	|	| IO|	|	8.06	
15.167	12.36	13.01	2.812	|	|	| I O|	|	8.05	
15.250	12.32	12.98	2.807	|	|	| I O|	|	8.05	
15.333	12.03	12.95	2.802	|	|	| IO |	|	8.04	
15.417	11.79	12.91	2.795	|	|	| I O |	|	8.02	
15.500	11.75	12.86	2.787	|	|	| I O |	|	8.01	
15.583	10.66	12.78	2.776	|	|	| I O |	|	7.99	
15.667	9.66	12.61	2.758	|	|	|I O |	|	7.96	
15.750	9.47	12.42	2.738	|	|	I O |	|	7.92	
15.833	9.38	12.23	2.718	|	|	I O |	|	7.88	
15.917	9.39	12.05	2.699	|	|	I O |	|	7.85	
16.000	9.40	11.88	2.681	|	|	I O |	|	7.81	
16.083	5.66	11.60	2.652	|	| I | O |	|	7.76	
16.167	2.12	11.11	2.601	| I |	| O |	|	7.66	
16.250	1.43	10.52	2.539	| I |	| O |	|	7.54	
16.333	1.11	9.93	2.477	|I |	| |O |	|	7.43	
16.417	1.11	9.37	2.418	|I |	| O |	|	7.32	
16.500	1.11	8.85	2.363	|I |	| O|	|	7.21	
16.583	0.98	8.35	2.311	|I |	| O |	|	7.12	
16.667	0.86	7.88	2.262	|I |	| O |	|	7.02	
16.750	0.84	7.27	2.215	|I |	| O |	|	6.93	
16.833	0.83	6.66	2.173	|I |	| O |	|	6.84	
16.917	0.83	6.12	2.135	|I |	| O |	|	6.76	

17.000	0.83	5.62	2.100	I	O			6.69
17.083	1.08	5.18	2.069	I	O			6.62
17.167	1.32	4.80	2.043	I	O			6.57
17.250	1.36	4.48	2.021	I	O			6.52
17.333	1.39	4.18	2.000	I	O			6.48
17.417	1.39	3.92	1.982	I	O			6.44
17.500	1.39	3.68	1.965	I	O			6.41
17.583	1.39	3.47	1.950	I	O			6.38
17.667	1.39	3.27	1.936	I	O			6.35
17.750	1.39	3.09	1.924	I	O			6.32
17.833	1.26	2.93	1.913	I	O			6.30
17.917	1.14	2.76	1.901	I	O			6.27
18.000	1.12	2.61	1.890	I	O			6.25
18.083	1.11	2.47	1.881	I	O			6.23
18.167	1.11	2.34	1.872	I	O			6.21
18.250	1.11	2.22	1.864	I	O			6.20
18.333	1.11	2.12	1.856	I	O			6.18
18.417	1.11	2.02	1.850	I	O			6.17
18.500	1.11	1.94	1.844	I	O			6.15
18.583	0.98	1.85	1.838	I	O			6.14
18.667	0.86	1.77	1.832	I	O			6.13
18.750	0.84	1.68	1.826	IO				6.12
18.833	0.71	1.59	1.820	IO				6.10
18.917	0.59	1.51	1.814	IO				6.09
19.000	0.56	1.42	1.807	IO				6.08
19.083	0.68	1.34	1.802	IO				6.07
19.167	0.80	1.29	1.798	IO				6.06
19.250	0.82	1.24	1.795	IO				6.05
19.333	0.96	1.21	1.793	IO				6.05
19.417	1.07	1.19	1.792	IO				6.04
19.500	1.10	1.18	1.791	IO				6.04
19.583	0.98	1.17	1.790	IO				6.04
19.667	0.86	1.14	1.788	IO				6.04
19.750	0.84	1.12	1.786	O				6.03
19.833	0.71	1.08	1.784	O				6.03
19.917	0.59	1.04	1.781	O				6.02
20.000	0.56	1.00	1.778	O				6.02
20.083	0.68	0.96	1.776	O				6.01
20.167	0.80	0.94	1.774	O				6.01
20.250	0.82	0.93	1.773	O				6.01
20.333	0.83	0.92	1.773	O				6.01
20.417	0.83	0.91	1.772	O				6.00
20.500	0.83	0.90	1.772	O				6.00
20.583	0.83	0.90	1.771	O				6.00
20.667	0.83	0.89	1.771	O				6.00
20.750	0.83	0.89	1.770	O				6.00
20.833	0.71	0.88	1.770	O				6.00
20.917	0.59	0.88	1.768	O				6.00
21.000	0.56	0.88	1.766	O				5.99
21.083	0.68	0.88	1.764	O				5.99
21.167	0.80	0.88	1.763	O				5.98
21.250	0.82	0.88	1.763	O				5.98
21.333	0.71	0.88	1.762	O				5.98
21.417	0.59	0.88	1.760	O				5.98
21.500	0.56	0.88	1.758	O				5.97
21.583	0.68	0.88	1.756	O				5.97
21.667	0.80	0.88	1.755	O				5.96
21.750	0.82	0.88	1.755	O				5.96
21.833	0.71	0.88	1.754	O				5.96
21.917	0.59	0.88	1.753	O				5.96
22.000	0.56	0.88	1.751	O				5.95
22.083	0.68	0.88	1.749	O				5.95
22.167	0.80	0.88	1.748	O				5.95
22.250	0.82	0.88	1.747	O				5.94
22.333	0.71	0.88	1.747	O				5.94
22.417	0.59	0.88	1.745	O				5.94
22.500	0.56	0.87	1.743	O				5.93

22.583	0.55	0.87	1.741	IO	|	|	|	|	5.93
22.667	0.55	0.87	1.739	IO	|	|	|	|	5.92
22.750	0.55	0.87	1.736	IO	|	|	|	|	5.92
22.833	0.55	0.87	1.734	IO	|	|	|	|	5.91
22.917	0.55	0.87	1.732	IO	|	|	|	|	5.91
23.000	0.55	0.87	1.730	IO	|	|	|	|	5.90
23.083	0.55	0.87	1.728	IO	|	|	|	|	5.90
23.167	0.55	0.87	1.725	IO	|	|	|	|	5.89
23.250	0.55	0.87	1.723	IO	|	|	|	|	5.89
23.333	0.55	0.87	1.721	IO	|	|	|	|	5.88
23.417	0.55	0.87	1.719	IO	|	|	|	|	5.88
23.500	0.55	0.87	1.717	IO	|	|	|	|	5.87
23.583	0.55	0.87	1.715	IO	|	|	|	|	5.86
23.667	0.55	0.87	1.712	IO	|	|	|	|	5.86
23.750	0.55	0.87	1.710	IO	|	|	|	|	5.85
23.833	0.55	0.87	1.708	IO	|	|	|	|	5.85
23.917	0.55	0.87	1.706	IO	|	|	|	|	5.84
24.000	0.55	0.87	1.704	IO	|	|	|	|	5.84
24.083	0.30	0.87	1.701	IO	|	|	|	|	5.83
24.167	0.07	0.87	1.696	IO	|	|	|	|	5.82
24.250	0.02	0.86	1.690	IO	|	|	|	|	5.81
24.333	0.00	0.86	1.685	IO	|	|	|	|	5.79
24.417	0.00	0.86	1.679	IO	|	|	|	|	5.78
24.500	0.00	0.86	1.673	IO	|	|	|	|	5.76
24.583	0.00	0.86	1.667	IO	|	|	|	|	5.75
24.667	0.00	0.86	1.661	IO	|	|	|	|	5.73
24.750	0.00	0.86	1.655	IO	|	|	|	|	5.72
24.833	0.00	0.86	1.649	IO	|	|	|	|	5.70
24.917	0.00	0.86	1.643	IO	|	|	|	|	5.69
25.000	0.00	0.85	1.637	IO	|	|	|	|	5.68
25.083	0.00	0.85	1.631	IO	|	|	|	|	5.66
25.167	0.00	0.85	1.625	IO	|	|	|	|	5.65
25.250	0.00	0.85	1.620	IO	|	|	|	|	5.63
25.333	0.00	0.85	1.614	IO	|	|	|	|	5.62
25.417	0.00	0.85	1.608	IO	|	|	|	|	5.60
25.500	0.00	0.85	1.602	IO	|	|	|	|	5.59
25.583	0.00	0.85	1.596	IO	|	|	|	|	5.58
25.667	0.00	0.84	1.590	IO	|	|	|	|	5.56
25.750	0.00	0.84	1.585	IO	|	|	|	|	5.55
25.833	0.00	0.84	1.579	IO	|	|	|	|	5.53
25.917	0.00	0.84	1.573	IO	|	|	|	|	5.52
26.000	0.00	0.84	1.567	IO	|	|	|	|	5.51
26.083	0.00	0.84	1.561	IO	|	|	|	|	5.49
26.167	0.00	0.84	1.556	IO	|	|	|	|	5.48
26.250	0.00	0.84	1.550	IO	|	|	|	|	5.46
26.333	0.00	0.84	1.544	IO	|	|	|	|	5.45
26.417	0.00	0.83	1.538	IO	|	|	|	|	5.44
26.500	0.00	0.83	1.533	IO	|	|	|	|	5.42
26.583	0.00	0.83	1.527	IO	|	|	|	|	5.41
26.667	0.00	0.83	1.521	IO	|	|	|	|	5.39
26.750	0.00	0.83	1.515	IO	|	|	|	|	5.38
26.833	0.00	0.83	1.510	IO	|	|	|	|	5.37
26.917	0.00	0.83	1.504	IO	|	|	|	|	5.35
27.000	0.00	0.83	1.498	IO	|	|	|	|	5.34
27.083	0.00	0.83	1.493	IO	|	|	|	|	5.32
27.167	0.00	0.82	1.487	IO	|	|	|	|	5.31
27.250	0.00	0.82	1.481	IO	|	|	|	|	5.30
27.333	0.00	0.82	1.476	IO	|	|	|	|	5.28
27.417	0.00	0.82	1.470	IO	|	|	|	|	5.27
27.500	0.00	0.82	1.464	IO	|	|	|	|	5.25
27.583	0.00	0.82	1.459	IO	|	|	|	|	5.24
27.667	0.00	0.82	1.453	IO	|	|	|	|	5.23
27.750	0.00	0.82	1.447	IO	|	|	|	|	5.21
27.833	0.00	0.82	1.442	IO	|	|	|	|	5.20
27.917	0.00	0.81	1.436	IO	|	|	|	|	5.19
28.000	0.00	0.81	1.431	IO	|	|	|	|	5.17
28.083	0.00	0.81	1.425	IO	|	|	|	|	5.16

28.167	0.00	0.81	1.419	IO				5.14
28.250	0.00	0.81	1.414	IO				5.13
28.333	0.00	0.81	1.408	IO				5.12
28.417	0.00	0.81	1.403	IO				5.10
28.500	0.00	0.81	1.397	IO				5.09
28.583	0.00	0.81	1.391	IO				5.08
28.667	0.00	0.81	1.386	IO				5.06
28.750	0.00	0.80	1.380	IO				5.05
28.833	0.00	0.80	1.375	IO				5.04
28.917	0.00	0.80	1.369	IO				5.02
29.000	0.00	0.80	1.364	IO				5.01
29.083	0.00	0.80	1.358	IO				5.00
29.167	0.00	0.80	1.353	IO				4.98
29.250	0.00	0.80	1.347	IO				4.97
29.333	0.00	0.80	1.342	IO				4.95
29.417	0.00	0.79	1.336	IO				4.94
29.500	0.00	0.79	1.331	IO				4.92
29.583	0.00	0.79	1.325	IO				4.91
29.667	0.00	0.79	1.320	IO				4.89
29.750	0.00	0.79	1.315	IO				4.88
29.833	0.00	0.79	1.309	IO				4.86
29.917	0.00	0.79	1.304	IO				4.85
30.000	0.00	0.78	1.298	IO				4.83
30.083	0.00	0.78	1.293	IO				4.82
30.167	0.00	0.78	1.287	IO				4.80
30.250	0.00	0.78	1.282	IO				4.79
30.333	0.00	0.78	1.277	IO				4.77
30.417	0.00	0.78	1.271	IO				4.76
30.500	0.00	0.78	1.266	IO				4.75
30.583	0.00	0.78	1.261	IO				4.73
30.667	0.00	0.77	1.255	IO				4.72
30.750	0.00	0.77	1.250	IO				4.70
30.833	0.00	0.77	1.245	IO				4.69
30.917	0.00	0.77	1.239	IO				4.67
31.000	0.00	0.77	1.234	IO				4.66
31.083	0.00	0.77	1.229	IO				4.65
31.167	0.00	0.77	1.223	IO				4.63
31.250	0.00	0.77	1.218	IO				4.62
31.333	0.00	0.76	1.213	IO				4.60
31.417	0.00	0.76	1.208	IO				4.59
31.500	0.00	0.76	1.202	IO				4.57
31.583	0.00	0.76	1.197	IO				4.56
31.667	0.00	0.76	1.192	IO				4.55
31.750	0.00	0.76	1.187	IO				4.53
31.833	0.00	0.76	1.181	IO				4.52
31.917	0.00	0.76	1.176	IO				4.50
32.000	0.00	0.75	1.171	IO				4.49
32.083	0.00	0.75	1.166	IO				4.48
32.167	0.00	0.75	1.161	IO				4.46
32.250	0.00	0.75	1.156	IO				4.45
32.333	0.00	0.75	1.150	IO				4.43
32.417	0.00	0.75	1.145	IO				4.42
32.500	0.00	0.75	1.140	IO				4.41
32.583	0.00	0.75	1.135	IO				4.39
32.667	0.00	0.74	1.130	IO				4.38
32.750	0.00	0.74	1.125	IO				4.36
32.833	0.00	0.74	1.120	IO				4.35
32.917	0.00	0.74	1.114	IO				4.34
33.000	0.00	0.74	1.109	IO				4.32
33.083	0.00	0.74	1.104	IO				4.31
33.167	0.00	0.74	1.099	IO				4.30
33.250	0.00	0.74	1.094	IO				4.28
33.333	0.00	0.73	1.089	IO				4.27
33.417	0.00	0.73	1.084	IO				4.25
33.500	0.00	0.73	1.079	IO				4.24
33.583	0.00	0.73	1.074	IO				4.23
33.667	0.00	0.73	1.069	IO				4.21

33.750	0.00	0.73	1.064	IO	|	|	|	|	4.20
33.833	0.00	0.73	1.059	IO	|	|	|	|	4.19
33.917	0.00	0.73	1.054	IO	|	|	|	|	4.17
34.000	0.00	0.72	1.049	IO	|	|	|	|	4.16
34.083	0.00	0.72	1.044	IO	|	|	|	|	4.15
34.167	0.00	0.72	1.039	IO	|	|	|	|	4.13
34.250	0.00	0.72	1.034	IO	|	|	|	|	4.12
34.333	0.00	0.72	1.029	IO	|	|	|	|	4.11
34.417	0.00	0.72	1.024	IO	|	|	|	|	4.09
34.500	0.00	0.72	1.019	IO	|	|	|	|	4.08
34.583	0.00	0.72	1.014	IO	|	|	|	|	4.07
34.667	0.00	0.71	1.009	IO	|	|	|	|	4.05
34.750	0.00	0.71	1.004	IO	|	|	|	|	4.04
34.833	0.00	0.71	0.999	IO	|	|	|	|	4.03
34.917	0.00	0.71	0.995	IO	|	|	|	|	4.01
35.000	0.00	0.71	0.990	IO	|	|	|	|	4.00
35.083	0.00	0.71	0.985	IO	|	|	|	|	3.98
35.167	0.00	0.71	0.980	IO	|	|	|	|	3.97
35.250	0.00	0.71	0.975	IO	|	|	|	|	3.95
35.333	0.00	0.70	0.970	IO	|	|	|	|	3.94
35.417	0.00	0.70	0.965	IO	|	|	|	|	3.92
35.500	0.00	0.70	0.961	IO	|	|	|	|	3.91
35.583	0.00	0.70	0.956	IO	|	|	|	|	3.89
35.667	0.00	0.70	0.951	IO	|	|	|	|	3.88
35.750	0.00	0.70	0.946	IO	|	|	|	|	3.86
35.833	0.00	0.69	0.941	IO	|	|	|	|	3.85
35.917	0.00	0.69	0.937	IO	|	|	|	|	3.83
36.000	0.00	0.69	0.932	IO	|	|	|	|	3.82
36.083	0.00	0.69	0.927	IO	|	|	|	|	3.80
36.167	0.00	0.69	0.922	IO	|	|	|	|	3.79
36.250	0.00	0.69	0.918	IO	|	|	|	|	3.77
36.333	0.00	0.69	0.913	IO	|	|	|	|	3.76
36.417	0.00	0.68	0.908	IO	|	|	|	|	3.74
36.500	0.00	0.68	0.903	IO	|	|	|	|	3.73
36.583	0.00	0.68	0.899	IO	|	|	|	|	3.71
36.667	0.00	0.68	0.894	IO	|	|	|	|	3.70
36.750	0.00	0.68	0.889	IO	|	|	|	|	3.69
36.833	0.00	0.68	0.885	IO	|	|	|	|	3.67
36.917	0.00	0.68	0.880	IO	|	|	|	|	3.66
37.000	0.00	0.67	0.875	IO	|	|	|	|	3.64
37.083	0.00	0.67	0.871	IO	|	|	|	|	3.63
37.167	0.00	0.67	0.866	IO	|	|	|	|	3.61
37.250	0.00	0.67	0.861	IO	|	|	|	|	3.60
37.333	0.00	0.67	0.857	IO	|	|	|	|	3.58
37.417	0.00	0.67	0.852	IO	|	|	|	|	3.57
37.500	0.00	0.67	0.848	IO	|	|	|	|	3.56
37.583	0.00	0.66	0.843	IO	|	|	|	|	3.54
37.667	0.00	0.66	0.838	IO	|	|	|	|	3.53
37.750	0.00	0.66	0.834	IO	|	|	|	|	3.51
37.833	0.00	0.66	0.829	IO	|	|	|	|	3.50
37.917	0.00	0.66	0.825	IO	|	|	|	|	3.48
38.000	0.00	0.66	0.820	IO	|	|	|	|	3.47
38.083	0.00	0.66	0.816	IO	|	|	|	|	3.46
38.167	0.00	0.65	0.811	IO	|	|	|	|	3.44
38.250	0.00	0.65	0.807	IO	|	|	|	|	3.43
38.333	0.00	0.65	0.802	IO	|	|	|	|	3.41
38.417	0.00	0.65	0.798	IO	|	|	|	|	3.40
38.500	0.00	0.65	0.793	IO	|	|	|	|	3.39
38.583	0.00	0.65	0.789	IO	|	|	|	|	3.37
38.667	0.00	0.65	0.784	IO	|	|	|	|	3.36
38.750	0.00	0.64	0.780	IO	|	|	|	|	3.34
38.833	0.00	0.64	0.776	IO	|	|	|	|	3.33
38.917	0.00	0.64	0.771	IO	|	|	|	|	3.32
39.000	0.00	0.64	0.767	IO	|	|	|	|	3.30
39.083	0.00	0.64	0.762	IO	|	|	|	|	3.29
39.167	0.00	0.64	0.758	IO	|	|	|	|	3.27
39.250	0.00	0.64	0.754	IO	|	|	|	|	3.26

39.333	0.00	0.63	0.749	IO				3.25
39.417	0.00	0.63	0.745	IO				3.23
39.500	0.00	0.63	0.740	IO				3.22
39.583	0.00	0.63	0.736	IO				3.21
39.667	0.00	0.63	0.732	IO				3.19
39.750	0.00	0.63	0.727	IO				3.18
39.833	0.00	0.63	0.723	IO				3.17
39.917	0.00	0.63	0.719	IO				3.15
40.000	0.00	0.62	0.714	IO				3.14
40.083	0.00	0.62	0.710	IO				3.13
40.167	0.00	0.62	0.706	IO				3.11
40.250	0.00	0.62	0.702	IO				3.10
40.333	0.00	0.62	0.697	IO				3.09
40.417	0.00	0.62	0.693	IO				3.07
40.500	0.00	0.62	0.689	IO				3.06
40.583	0.00	0.61	0.685	IO				3.05
40.667	0.00	0.61	0.680	IO				3.03
40.750	0.00	0.61	0.676	IO				3.02
40.833	0.00	0.61	0.672	IO				3.01
40.917	0.00	0.61	0.668	IO				2.99
41.000	0.00	0.61	0.664	IO				2.98
41.083	0.00	0.61	0.659	IO				2.96
41.167	0.00	0.60	0.655	IO				2.95
41.250	0.00	0.60	0.651	IO				2.93
41.333	0.00	0.60	0.647	IO				2.91
41.417	0.00	0.60	0.643	IO				2.90
41.500	0.00	0.60	0.639	IO				2.88
41.583	0.00	0.59	0.635	IO				2.87
41.667	0.00	0.59	0.631	IO				2.85
41.750	0.00	0.59	0.626	IO				2.84
41.833	0.00	0.59	0.622	IO				2.82
41.917	0.00	0.59	0.618	IO				2.81
42.000	0.00	0.59	0.614	IO				2.79
42.083	0.00	0.58	0.610	IO				2.78
42.167	0.00	0.58	0.606	IO				2.76
42.250	0.00	0.58	0.602	IO				2.75
42.333	0.00	0.58	0.598	IO				2.73
42.417	0.00	0.58	0.594	IO				2.72
42.500	0.00	0.57	0.590	IO				2.70
42.583	0.00	0.57	0.586	IO				2.69
42.667	0.00	0.57	0.582	IO				2.68
42.750	0.00	0.57	0.579	IO				2.66
42.833	0.00	0.57	0.575	IO				2.65
42.917	0.00	0.57	0.571	IO				2.63
43.000	0.00	0.56	0.567	IO				2.62
43.083	0.00	0.56	0.563	O				2.60
43.167	0.00	0.56	0.559	O				2.59
43.250	0.00	0.56	0.555	O				2.57
43.333	0.00	0.56	0.551	O				2.56
43.417	0.00	0.56	0.548	O				2.55
43.500	0.00	0.55	0.544	O				2.53
43.583	0.00	0.55	0.540	O				2.52
43.667	0.00	0.55	0.536	O				2.50
43.750	0.00	0.55	0.532	O				2.49
43.833	0.00	0.55	0.529	O				2.48
43.917	0.00	0.55	0.525	O				2.46
44.000	0.00	0.54	0.521	O				2.45
44.083	0.00	0.54	0.517	O				2.43
44.167	0.00	0.54	0.514	O				2.42
44.250	0.00	0.54	0.510	O				2.41
44.333	0.00	0.54	0.506	O				2.39
44.417	0.00	0.54	0.502	O				2.38
44.500	0.00	0.53	0.499	O				2.37
44.583	0.00	0.53	0.495	O				2.35
44.667	0.00	0.53	0.491	O				2.34
44.750	0.00	0.53	0.488	O				2.33
44.833	0.00	0.53	0.484	O				2.31

44.917	0.00	0.53	0.481	O	|	|	|	|	2.30
45.000	0.00	0.52	0.477	O	|	|	|	|	2.28
45.083	0.00	0.52	0.473	O	|	|	|	|	2.27
45.167	0.00	0.52	0.470	O	|	|	|	|	2.26
45.250	0.00	0.52	0.466	O	|	|	|	|	2.24
45.333	0.00	0.52	0.463	O	|	|	|	|	2.23
45.417	0.00	0.52	0.459	O	|	|	|	|	2.22
45.500	0.00	0.51	0.455	O	|	|	|	|	2.21
45.583	0.00	0.51	0.452	O	|	|	|	|	2.19
45.667	0.00	0.51	0.448	O	|	|	|	|	2.18
45.750	0.00	0.51	0.445	O	|	|	|	|	2.17
45.833	0.00	0.51	0.441	O	|	|	|	|	2.15
45.917	0.00	0.51	0.438	O	|	|	|	|	2.14
46.000	0.00	0.51	0.434	O	|	|	|	|	2.13
46.083	0.00	0.50	0.431	O	|	|	|	|	2.11
46.167	0.00	0.50	0.427	O	|	|	|	|	2.10
46.250	0.00	0.50	0.424	O	|	|	|	|	2.09
46.333	0.00	0.50	0.421	O	|	|	|	|	2.08
46.417	0.00	0.50	0.417	O	|	|	|	|	2.06
46.500	0.00	0.50	0.414	O	|	|	|	|	2.05
46.583	0.00	0.49	0.410	O	|	|	|	|	2.04
46.667	0.00	0.49	0.407	O	|	|	|	|	2.03
46.750	0.00	0.49	0.403	O	|	|	|	|	2.01
46.833	0.00	0.49	0.400	O	|	|	|	|	2.00
46.917	0.00	0.49	0.397	O	|	|	|	|	1.99
47.000	0.00	0.48	0.393	O	|	|	|	|	1.97
47.083	0.00	0.48	0.390	O	|	|	|	|	1.95
47.167	0.00	0.48	0.387	O	|	|	|	|	1.94
47.250	0.00	0.48	0.383	O	|	|	|	|	1.92
47.333	0.00	0.47	0.380	O	|	|	|	|	1.91
47.417	0.00	0.47	0.377	O	|	|	|	|	1.90
47.500	0.00	0.47	0.374	O	|	|	|	|	1.88
47.583	0.00	0.47	0.370	O	|	|	|	|	1.87
47.667	0.00	0.46	0.367	O	|	|	|	|	1.85
47.750	0.00	0.46	0.364	O	|	|	|	|	1.84
47.833	0.00	0.46	0.361	O	|	|	|	|	1.82
47.917	0.00	0.46	0.358	O	|	|	|	|	1.81
48.000	0.00	0.45	0.355	O	|	|	|	|	1.79
48.083	0.00	0.45	0.351	O	|	|	|	|	1.78
48.167	0.00	0.45	0.348	O	|	|	|	|	1.77
48.250	0.00	0.45	0.345	O	|	|	|	|	1.75
48.333	0.00	0.45	0.342	O	|	|	|	|	1.74
48.417	0.00	0.44	0.339	O	|	|	|	|	1.72
48.500	0.00	0.44	0.336	O	|	|	|	|	1.71
48.583	0.00	0.44	0.333	O	|	|	|	|	1.70
48.667	0.00	0.44	0.330	O	|	|	|	|	1.68
48.750	0.00	0.43	0.327	O	|	|	|	|	1.67
48.833	0.00	0.43	0.324	O	|	|	|	|	1.65
48.917	0.00	0.43	0.321	O	|	|	|	|	1.64
49.000	0.00	0.43	0.318	O	|	|	|	|	1.63
49.083	0.00	0.42	0.315	O	|	|	|	|	1.61
49.167	0.00	0.42	0.312	O	|	|	|	|	1.60
49.250	0.00	0.42	0.309	O	|	|	|	|	1.59
49.333	0.00	0.42	0.307	O	|	|	|	|	1.58
49.417	0.00	0.42	0.304	O	|	|	|	|	1.56
49.500	0.00	0.41	0.301	O	|	|	|	|	1.55
49.583	0.00	0.41	0.298	O	|	|	|	|	1.54
49.667	0.00	0.41	0.295	O	|	|	|	|	1.52
49.750	0.00	0.41	0.292	O	|	|	|	|	1.51
49.833	0.00	0.40	0.290	O	|	|	|	|	1.50
49.917	0.00	0.40	0.287	O	|	|	|	|	1.49
50.000	0.00	0.40	0.284	O	|	|	|	|	1.47
50.083	0.00	0.40	0.281	O	|	|	|	|	1.46
50.167	0.00	0.40	0.278	O	|	|	|	|	1.45
50.250	0.00	0.39	0.276	O	|	|	|	|	1.44
50.333	0.00	0.39	0.273	O	|	|	|	|	1.42
50.417	0.00	0.39	0.270	O	|	|	|	|	1.41

50.500	0.00	0.39	0.268	O	|	|	|	|	1.40
50.583	0.00	0.39	0.265	O	|	|	|	|	1.39
50.667	0.00	0.38	0.262	O	|	|	|	|	1.37
50.750	0.00	0.38	0.260	O	|	|	|	|	1.36
50.833	0.00	0.38	0.257	O	|	|	|	|	1.35
50.917	0.00	0.38	0.255	O	|	|	|	|	1.34
51.000	0.00	0.38	0.252	O	|	|	|	|	1.33
51.083	0.00	0.37	0.249	O	|	|	|	|	1.32
51.167	0.00	0.37	0.247	O	|	|	|	|	1.30
51.250	0.00	0.37	0.244	O	|	|	|	|	1.29
51.333	0.00	0.37	0.242	O	|	|	|	|	1.28
51.417	0.00	0.37	0.239	O	|	|	|	|	1.27
51.500	0.00	0.36	0.237	O	|	|	|	|	1.26
51.583	0.00	0.36	0.234	O	|	|	|	|	1.25
51.667	0.00	0.36	0.232	O	|	|	|	|	1.23
51.750	0.00	0.36	0.229	O	|	|	|	|	1.22
51.833	0.00	0.36	0.227	O	|	|	|	|	1.21
51.917	0.00	0.35	0.224	O	|	|	|	|	1.20
52.000	0.00	0.35	0.222	O	|	|	|	|	1.19
52.083	0.00	0.35	0.219	O	|	|	|	|	1.18
52.167	0.00	0.35	0.217	O	|	|	|	|	1.17
52.250	0.00	0.35	0.215	O	|	|	|	|	1.16
52.333	0.00	0.34	0.212	O	|	|	|	|	1.15
52.417	0.00	0.34	0.210	O	|	|	|	|	1.14
52.500	0.00	0.34	0.208	O	|	|	|	|	1.13
52.583	0.00	0.34	0.205	O	|	|	|	|	1.11
52.667	0.00	0.34	0.203	O	|	|	|	|	1.10
52.750	0.00	0.34	0.201	O	|	|	|	|	1.09
52.833	0.00	0.33	0.198	O	|	|	|	|	1.08
52.917	0.00	0.33	0.196	O	|	|	|	|	1.07
53.000	0.00	0.33	0.194	O	|	|	|	|	1.06
53.083	0.00	0.33	0.191	O	|	|	|	|	1.05
53.167	0.00	0.33	0.189	O	|	|	|	|	1.04
53.250	0.00	0.33	0.187	O	|	|	|	|	1.03
53.333	0.00	0.32	0.185	O	|	|	|	|	1.02
53.417	0.00	0.32	0.182	O	|	|	|	|	1.01
53.500	0.00	0.32	0.180	O	|	|	|	|	1.00
53.583	0.00	0.32	0.178	O	|	|	|	|	0.99
53.667	0.00	0.31	0.176	O	|	|	|	|	0.98
53.750	0.00	0.31	0.174	O	|	|	|	|	0.97
53.833	0.00	0.31	0.172	O	|	|	|	|	0.95
53.917	0.00	0.30	0.170	O	|	|	|	|	0.94
54.000	0.00	0.30	0.167	O	|	|	|	|	0.93
54.083	0.00	0.29	0.165	O	|	|	|	|	0.92
54.167	0.00	0.29	0.163	O	|	|	|	|	0.91
54.250	0.00	0.29	0.161	O	|	|	|	|	0.90
54.333	0.00	0.28	0.159	O	|	|	|	|	0.89
54.417	0.00	0.28	0.158	O	|	|	|	|	0.88
54.500	0.00	0.28	0.156	O	|	|	|	|	0.86
54.583	0.00	0.27	0.154	O	|	|	|	|	0.85
54.667	0.00	0.27	0.152	O	|	|	|	|	0.84
54.750	0.00	0.27	0.150	O	|	|	|	|	0.83
54.833	0.00	0.26	0.148	O	|	|	|	|	0.82
54.917	0.00	0.26	0.146	O	|	|	|	|	0.81
55.000	0.00	0.26	0.145	O	|	|	|	|	0.80
55.083	0.00	0.25	0.143	O	|	|	|	|	0.79
55.167	0.00	0.25	0.141	O	|	|	|	|	0.78
55.250	0.00	0.25	0.139	O	|	|	|	|	0.77
55.333	0.00	0.24	0.138	O	|	|	|	|	0.76
55.417	0.00	0.24	0.136	O	|	|	|	|	0.76
55.500	0.00	0.24	0.134	O	|	|	|	|	0.75
55.583	0.00	0.24	0.133	O	|	|	|	|	0.74
55.667	0.00	0.23	0.131	O	|	|	|	|	0.73
55.750	0.00	0.23	0.129	O	|	|	|	|	0.72
55.833	0.00	0.23	0.128	O	|	|	|	|	0.71
55.917	0.00	0.22	0.126	O	|	|	|	|	0.70
56.000	0.00	0.22	0.125	O	|	|	|	|	0.69

56.083	0.00	0.22	0.123	O	|	|	|	|	0.68
56.167	0.00	0.22	0.122	O	|	|	|	|	0.68
56.250	0.00	0.21	0.120	O	|	|	|	|	0.67
56.333	0.00	0.21	0.119	O	|	|	|	|	0.66
56.417	0.00	0.21	0.117	O	|	|	|	|	0.65
56.500	0.00	0.21	0.116	O	|	|	|	|	0.64
56.583	0.00	0.20	0.115	O	|	|	|	|	0.64
56.667	0.00	0.20	0.113	O	|	|	|	|	0.63
56.750	0.00	0.20	0.112	O	|	|	|	|	0.62
56.833	0.00	0.20	0.110	O	|	|	|	|	0.61
56.917	0.00	0.19	0.109	O	|	|	|	|	0.61
57.000	0.00	0.19	0.108	O	|	|	|	|	0.60
57.083	0.00	0.19	0.106	O	|	|	|	|	0.59
57.167	0.00	0.19	0.105	O	|	|	|	|	0.58
57.250	0.00	0.18	0.104	O	|	|	|	|	0.58
57.333	0.00	0.18	0.103	O	|	|	|	|	0.57
57.417	0.00	0.18	0.101	O	|	|	|	|	0.56
57.500	0.00	0.18	0.100	O	|	|	|	|	0.56
57.583	0.00	0.18	0.099	O	|	|	|	|	0.55
57.667	0.00	0.17	0.098	O	|	|	|	|	0.54
57.750	0.00	0.17	0.097	O	|	|	|	|	0.54
57.833	0.00	0.17	0.095	O	|	|	|	|	0.53
57.917	0.00	0.17	0.094	O	|	|	|	|	0.52
58.000	0.00	0.17	0.093	O	|	|	|	|	0.52
58.083	0.00	0.16	0.092	O	|	|	|	|	0.51
58.167	0.00	0.16	0.091	O	|	|	|	|	0.50
58.250	0.00	0.16	0.090	O	|	|	|	|	0.50
58.333	0.00	0.16	0.089	O	|	|	|	|	0.49
58.417	0.00	0.16	0.088	O	|	|	|	|	0.49
58.500	0.00	0.15	0.086	O	|	|	|	|	0.48
58.583	0.00	0.15	0.085	O	|	|	|	|	0.47
58.667	0.00	0.15	0.084	O	|	|	|	|	0.47
58.750	0.00	0.15	0.083	O	|	|	|	|	0.46
58.833	0.00	0.15	0.082	O	|	|	|	|	0.46
58.917	0.00	0.14	0.081	O	|	|	|	|	0.45
59.000	0.00	0.14	0.080	O	|	|	|	|	0.45
59.083	0.00	0.14	0.079	O	|	|	|	|	0.44
59.167	0.00	0.14	0.078	O	|	|	|	|	0.44
59.250	0.00	0.14	0.077	O	|	|	|	|	0.43
59.333	0.00	0.14	0.076	O	|	|	|	|	0.42
59.417	0.00	0.13	0.076	O	|	|	|	|	0.42
59.500	0.00	0.13	0.075	O	|	|	|	|	0.41
59.583	0.00	0.13	0.074	O	|	|	|	|	0.41
59.667	0.00	0.13	0.073	O	|	|	|	|	0.40
59.750	0.00	0.13	0.072	O	|	|	|	|	0.40
59.833	0.00	0.13	0.071	O	|	|	|	|	0.39
59.917	0.00	0.12	0.070	O	|	|	|	|	0.39
60.000	0.00	0.12	0.069	O	|	|	|	|	0.39
60.083	0.00	0.12	0.069	O	|	|	|	|	0.38
60.167	0.00	0.12	0.068	O	|	|	|	|	0.38
60.250	0.00	0.12	0.067	O	|	|	|	|	0.37
60.333	0.00	0.12	0.066	O	|	|	|	|	0.37
60.417	0.00	0.12	0.065	O	|	|	|	|	0.36
60.500	0.00	0.11	0.064	O	|	|	|	|	0.36
60.583	0.00	0.11	0.064	O	|	|	|	|	0.35
60.667	0.00	0.11	0.063	O	|	|	|	|	0.35
60.750	0.00	0.11	0.062	O	|	|	|	|	0.35
60.833	0.00	0.11	0.061	O	|	|	|	|	0.34
60.917	0.00	0.11	0.061	O	|	|	|	|	0.34
61.000	0.00	0.11	0.060	O	|	|	|	|	0.33
61.083	0.00	0.11	0.059	O	|	|	|	|	0.33
61.167	0.00	0.10	0.058	O	|	|	|	|	0.32
61.250	0.00	0.10	0.058	O	|	|	|	|	0.32
61.333	0.00	0.10	0.057	O	|	|	|	|	0.32
61.417	0.00	0.10	0.056	O	|	|	|	|	0.31
61.500	0.00	0.10	0.056	O	|	|	|	|	0.31
61.583	0.00	0.10	0.055	O	|	|	|	|	0.31

61.667	0.00	0.10	0.054	O	|	|	|	|	0.30
61.750	0.00	0.10	0.054	O	|	|	|	|	0.30
61.833	0.00	0.09	0.053	O	|	|	|	|	0.29
61.917	0.00	0.09	0.052	O	|	|	|	|	0.29
62.000	0.00	0.09	0.052	O	|	|	|	|	0.29
62.083	0.00	0.09	0.051	O	|	|	|	|	0.28
62.167	0.00	0.09	0.050	O	|	|	|	|	0.28
62.250	0.00	0.09	0.050	O	|	|	|	|	0.28
62.333	0.00	0.09	0.049	O	|	|	|	|	0.27
62.417	0.00	0.09	0.049	O	|	|	|	|	0.27
62.500	0.00	0.09	0.048	O	|	|	|	|	0.27
62.583	0.00	0.08	0.047	O	|	|	|	|	0.26
62.667	0.00	0.08	0.047	O	|	|	|	|	0.26
62.750	0.00	0.08	0.046	O	|	|	|	|	0.26
62.833	0.00	0.08	0.046	O	|	|	|	|	0.25
62.917	0.00	0.08	0.045	O	|	|	|	|	0.25
63.000	0.00	0.08	0.045	O	|	|	|	|	0.25
63.083	0.00	0.08	0.044	O	|	|	|	|	0.24
63.167	0.00	0.08	0.044	O	|	|	|	|	0.24
63.250	0.00	0.08	0.043	O	|	|	|	|	0.24
63.333	0.00	0.08	0.042	O	|	|	|	|	0.24
63.417	0.00	0.07	0.042	O	|	|	|	|	0.23
63.500	0.00	0.07	0.041	O	|	|	|	|	0.23
63.583	0.00	0.07	0.041	O	|	|	|	|	0.23
63.667	0.00	0.07	0.040	O	|	|	|	|	0.22
63.750	0.00	0.07	0.040	O	|	|	|	|	0.22
63.833	0.00	0.07	0.039	O	|	|	|	|	0.22
63.917	0.00	0.07	0.039	O	|	|	|	|	0.22
64.000	0.00	0.07	0.039	O	|	|	|	|	0.21
64.083	0.00	0.07	0.038	O	|	|	|	|	0.21
64.167	0.00	0.07	0.038	O	|	|	|	|	0.21
64.250	0.00	0.07	0.037	O	|	|	|	|	0.21
64.333	0.00	0.07	0.037	O	|	|	|	|	0.20
64.417	0.00	0.06	0.036	O	|	|	|	|	0.20
64.500	0.00	0.06	0.036	O	|	|	|	|	0.20
64.583	0.00	0.06	0.035	O	|	|	|	|	0.20
64.667	0.00	0.06	0.035	O	|	|	|	|	0.19
64.750	0.00	0.06	0.035	O	|	|	|	|	0.19
64.833	0.00	0.06	0.034	O	|	|	|	|	0.19
64.917	0.00	0.06	0.034	O	|	|	|	|	0.19
65.000	0.00	0.06	0.033	O	|	|	|	|	0.18
65.083	0.00	0.06	0.033	O	|	|	|	|	0.18
65.167	0.00	0.06	0.032	O	|	|	|	|	0.18
65.250	0.00	0.06	0.032	O	|	|	|	|	0.18
65.333	0.00	0.06	0.032	O	|	|	|	|	0.18
65.417	0.00	0.06	0.031	O	|	|	|	|	0.17
65.500	0.00	0.05	0.031	O	|	|	|	|	0.17
65.583	0.00	0.05	0.031	O	|	|	|	|	0.17
65.667	0.00	0.05	0.030	O	|	|	|	|	0.17
65.750	0.00	0.05	0.030	O	|	|	|	|	0.17
65.833	0.00	0.05	0.029	O	|	|	|	|	0.16
65.917	0.00	0.05	0.029	O	|	|	|	|	0.16
66.000	0.00	0.05	0.029	O	|	|	|	|	0.16
66.083	0.00	0.05	0.028	O	|	|	|	|	0.16
66.167	0.00	0.05	0.028	O	|	|	|	|	0.16
66.250	0.00	0.05	0.028	O	|	|	|	|	0.15
66.333	0.00	0.05	0.027	O	|	|	|	|	0.15
66.417	0.00	0.05	0.027	O	|	|	|	|	0.15
66.500	0.00	0.05	0.027	O	|	|	|	|	0.15
66.583	0.00	0.05	0.026	O	|	|	|	|	0.15
66.667	0.00	0.05	0.026	O	|	|	|	|	0.14
66.750	0.00	0.05	0.026	O	|	|	|	|	0.14
66.833	0.00	0.05	0.025	O	|	|	|	|	0.14
66.917	0.00	0.04	0.025	O	|	|	|	|	0.14
67.000	0.00	0.04	0.025	O	|	|	|	|	0.14
67.083	0.00	0.04	0.024	O	|	|	|	|	0.14
67.167	0.00	0.04	0.024	O	|	|	|	|	0.13

67.250	0.00	0.04	0.024	O					0.13
67.333	0.00	0.04	0.024	O					0.13
67.417	0.00	0.04	0.023	O					0.13
67.500	0.00	0.04	0.023	O					0.13
67.583	0.00	0.04	0.023	O					0.13
67.667	0.00	0.04	0.022	O					0.12
67.750	0.00	0.04	0.022	O					0.12
67.833	0.00	0.04	0.022	O					0.12
67.917	0.00	0.04	0.022	O					0.12
68.000	0.00	0.04	0.021	O					0.12
68.083	0.00	0.04	0.021	O					0.12
68.167	0.00	0.04	0.021	O					0.12
68.250	0.00	0.04	0.021	O					0.11
68.333	0.00	0.04	0.020	O					0.11
68.417	0.00	0.04	0.020	O					0.11
68.500	0.00	0.04	0.020	O					0.11
68.583	0.00	0.03	0.020	O					0.11
68.667	0.00	0.03	0.019	O					0.11
68.750	0.00	0.03	0.019	O					0.11
68.833	0.00	0.03	0.019	O					0.11
68.917	0.00	0.03	0.019	O					0.10
69.000	0.00	0.03	0.018	O					0.10
69.083	0.00	0.03	0.018	O					0.10
69.167	0.00	0.03	0.018	O					0.10
69.250	0.00	0.03	0.018	O					0.10
69.333	0.00	0.03	0.018	O					0.10
69.417	0.00	0.03	0.017	O					0.10
69.500	0.00	0.03	0.017	O					0.10
69.583	0.00	0.03	0.017	O					0.09
69.667	0.00	0.03	0.017	O					0.09
69.750	0.00	0.03	0.017	O					0.09
69.833	0.00	0.03	0.016	O					0.09
69.917	0.00	0.03	0.016	O					0.09
70.000	0.00	0.03	0.016	O					0.09
70.083	0.00	0.03	0.016	O					0.09
70.167	0.00	0.03	0.016	O					0.09
70.250	0.00	0.03	0.015	O					0.09
70.333	0.00	0.03	0.015	O					0.08
70.417	0.00	0.03	0.015	O					0.08
70.500	0.00	0.03	0.015	O					0.08
70.583	0.00	0.03	0.015	O					0.08
70.667	0.00	0.03	0.014	O					0.08
70.750	0.00	0.03	0.014	O					0.08
70.833	0.00	0.03	0.014	O					0.08
70.917	0.00	0.02	0.014	O					0.08
71.000	0.00	0.02	0.014	O					0.08
71.083	0.00	0.02	0.014	O					0.08
71.167	0.00	0.02	0.013	O					0.07
71.250	0.00	0.02	0.013	O					0.07
71.333	0.00	0.02	0.013	O					0.07
71.417	0.00	0.02	0.013	O					0.07
71.500	0.00	0.02	0.013	O					0.07
71.583	0.00	0.02	0.013	O					0.07
71.667	0.00	0.02	0.012	O					0.07
71.750	0.00	0.02	0.012	O					0.07
71.833	0.00	0.02	0.012	O					0.07
71.917	0.00	0.02	0.012	O					0.07
72.000	0.00	0.02	0.012	O					0.07
72.083	0.00	0.02	0.012	O					0.07
72.167	0.00	0.02	0.012	O					0.06
72.250	0.00	0.02	0.011	O					0.06
72.333	0.00	0.02	0.011	O					0.06
72.417	0.00	0.02	0.011	O					0.06
72.500	0.00	0.02	0.011	O					0.06
72.583	0.00	0.02	0.011	O					0.06
72.667	0.00	0.02	0.011	O					0.06
72.750	0.00	0.02	0.011	O					0.06

72.833	0.00	0.02	0.011	O	|	|	|	|	0.06
72.917	0.00	0.02	0.010	O	|	|	|	|	0.06
73.000	0.00	0.02	0.010	O	|	|	|	|	0.06
73.083	0.00	0.02	0.010	O	|	|	|	|	0.06
73.167	0.00	0.02	0.010	O	|	|	|	|	0.06
73.250	0.00	0.02	0.010	O	|	|	|	|	0.05
73.333	0.00	0.02	0.010	O	|	|	|	|	0.05
73.417	0.00	0.02	0.010	O	|	|	|	|	0.05
73.500	0.00	0.02	0.010	O	|	|	|	|	0.05
73.583	0.00	0.02	0.009	O	|	|	|	|	0.05
73.667	0.00	0.02	0.009	O	|	|	|	|	0.05
73.750	0.00	0.02	0.009	O	|	|	|	|	0.05
73.833	0.00	0.02	0.009	O	|	|	|	|	0.05
73.917	0.00	0.02	0.009	O	|	|	|	|	0.05
74.000	0.00	0.02	0.009	O	|	|	|	|	0.05
74.083	0.00	0.02	0.009	O	|	|	|	|	0.05
74.167	0.00	0.02	0.009	O	|	|	|	|	0.05
74.250	0.00	0.02	0.009	O	|	|	|	|	0.05
74.333	0.00	0.02	0.008	O	|	|	|	|	0.05
74.417	0.00	0.01	0.008	O	|	|	|	|	0.05
74.500	0.00	0.01	0.008	O	|	|	|	|	0.05
74.583	0.00	0.01	0.008	O	|	|	|	|	0.05
74.667	0.00	0.01	0.008	O	|	|	|	|	0.04
74.750	0.00	0.01	0.008	O	|	|	|	|	0.04
74.833	0.00	0.01	0.008	O	|	|	|	|	0.04
74.917	0.00	0.01	0.008	O	|	|	|	|	0.04
75.000	0.00	0.01	0.008	O	|	|	|	|	0.04
75.083	0.00	0.01	0.008	O	|	|	|	|	0.04
75.167	0.00	0.01	0.007	O	|	|	|	|	0.04
75.250	0.00	0.01	0.007	O	|	|	|	|	0.04
75.333	0.00	0.01	0.007	O	|	|	|	|	0.04
75.417	0.00	0.01	0.007	O	|	|	|	|	0.04
75.500	0.00	0.01	0.007	O	|	|	|	|	0.04
75.583	0.00	0.01	0.007	O	|	|	|	|	0.04
75.667	0.00	0.01	0.007	O	|	|	|	|	0.04
75.750	0.00	0.01	0.007	O	|	|	|	|	0.04
75.833	0.00	0.01	0.007	O	|	|	|	|	0.04
75.917	0.00	0.01	0.007	O	|	|	|	|	0.04
76.000	0.00	0.01	0.007	O	|	|	|	|	0.04
76.083	0.00	0.01	0.007	O	|	|	|	|	0.04
76.167	0.00	0.01	0.006	O	|	|	|	|	0.04
76.250	0.00	0.01	0.006	O	|	|	|	|	0.04
76.333	0.00	0.01	0.006	O	|	|	|	|	0.03
76.417	0.00	0.01	0.006	O	|	|	|	|	0.03
76.500	0.00	0.01	0.006	O	|	|	|	|	0.03
76.583	0.00	0.01	0.006	O	|	|	|	|	0.03
76.667	0.00	0.01	0.006	O	|	|	|	|	0.03
76.750	0.00	0.01	0.006	O	|	|	|	|	0.03
76.833	0.00	0.01	0.006	O	|	|	|	|	0.03
76.917	0.00	0.01	0.006	O	|	|	|	|	0.03
77.000	0.00	0.01	0.006	O	|	|	|	|	0.03
77.083	0.00	0.01	0.006	O	|	|	|	|	0.03
77.167	0.00	0.01	0.006	O	|	|	|	|	0.03
77.250	0.00	0.01	0.005	O	|	|	|	|	0.03
77.333	0.00	0.01	0.005	O	|	|	|	|	0.03
77.417	0.00	0.01	0.005	O	|	|	|	|	0.03
77.500	0.00	0.01	0.005	O	|	|	|	|	0.03
77.583	0.00	0.01	0.005	O	|	|	|	|	0.03
77.667	0.00	0.01	0.005	O	|	|	|	|	0.03
77.750	0.00	0.01	0.005	O	|	|	|	|	0.03
77.833	0.00	0.01	0.005	O	|	|	|	|	0.03
77.917	0.00	0.01	0.005	O	|	|	|	|	0.03
78.000	0.00	0.01	0.005	O	|	|	|	|	0.03
78.083	0.00	0.01	0.005	O	|	|	|	|	0.03
78.167	0.00	0.01	0.005	O	|	|	|	|	0.03
78.250	0.00	0.01	0.005	O	|	|	|	|	0.03
78.333	0.00	0.01	0.005	O	|	|	|	|	0.03

78.417	0.00	0.01	0.005	O					0.03
78.500	0.00	0.01	0.005	O					0.03
78.583	0.00	0.01	0.005	O					0.03
78.667	0.00	0.01	0.004	O					0.02
78.750	0.00	0.01	0.004	O					0.02
78.833	0.00	0.01	0.004	O					0.02
78.917	0.00	0.01	0.004	O					0.02
79.000	0.00	0.01	0.004	O					0.02
79.083	0.00	0.01	0.004	O					0.02
79.167	0.00	0.01	0.004	O					0.02
79.250	0.00	0.01	0.004	O					0.02
79.333	0.00	0.01	0.004	O					0.02
79.417	0.00	0.01	0.004	O					0.02
79.500	0.00	0.01	0.004	O					0.02
79.583	0.00	0.01	0.004	O					0.02
79.667	0.00	0.01	0.004	O					0.02
79.750	0.00	0.01	0.004	O					0.02
79.833	0.00	0.01	0.004	O					0.02
79.917	0.00	0.01	0.004	O					0.02
80.000	0.00	0.01	0.004	O					0.02
80.083	0.00	0.01	0.004	O					0.02
80.167	0.00	0.01	0.004	O					0.02
80.250	0.00	0.01	0.004	O					0.02
80.333	0.00	0.01	0.003	O					0.02
80.417	0.00	0.01	0.003	O					0.02
80.500	0.00	0.01	0.003	O					0.02
80.583	0.00	0.01	0.003	O					0.02
80.667	0.00	0.01	0.003	O					0.02
80.750	0.00	0.01	0.003	O					0.02
80.833	0.00	0.01	0.003	O					0.02
80.917	0.00	0.01	0.003	O					0.02
81.000	0.00	0.01	0.003	O					0.02
81.083	0.00	0.01	0.003	O					0.02
81.167	0.00	0.01	0.003	O					0.02
81.250	0.00	0.01	0.003	O					0.02
81.333	0.00	0.01	0.003	O					0.02
81.417	0.00	0.01	0.003	O					0.02
81.500	0.00	0.01	0.003	O					0.02
81.583	0.00	0.01	0.003	O					0.02
81.667	0.00	0.01	0.003	O					0.02
81.750	0.00	0.01	0.003	O					0.02
81.833	0.00	0.00	0.003	O					0.02
81.917	0.00	0.00	0.003	O					0.02
82.000	0.00	0.00	0.003	O					0.02
82.083	0.00	0.00	0.003	O					0.02
82.167	0.00	0.00	0.003	O					0.01
82.250	0.00	0.00	0.003	O					0.01
82.333	0.00	0.00	0.003	O					0.01
82.417	0.00	0.00	0.003	O					0.01
82.500	0.00	0.00	0.003	O					0.01
82.583	0.00	0.00	0.003	O					0.01
82.667	0.00	0.00	0.002	O					0.01
82.750	0.00	0.00	0.002	O					0.01
82.833	0.00	0.00	0.002	O					0.01
82.917	0.00	0.00	0.002	O					0.01
83.000	0.00	0.00	0.002	O					0.01
83.083	0.00	0.00	0.002	O					0.01
83.167	0.00	0.00	0.002	O					0.01
83.250	0.00	0.00	0.002	O					0.01
83.333	0.00	0.00	0.002	O					0.01
83.417	0.00	0.00	0.002	O					0.01
83.500	0.00	0.00	0.002	O					0.01
83.583	0.00	0.00	0.002	O					0.01
83.667	0.00	0.00	0.002	O					0.01
83.750	0.00	0.00	0.002	O					0.01
83.833	0.00	0.00	0.002	O					0.01
83.917	0.00	0.00	0.002	O					0.01

84.000	0.00	0.00	0.002	O					0.01
84.083	0.00	0.00	0.002	O					0.01
84.167	0.00	0.00	0.002	O					0.01
84.250	0.00	0.00	0.002	O					0.01
84.333	0.00	0.00	0.002	O					0.01
84.417	0.00	0.00	0.002	O					0.01
84.500	0.00	0.00	0.002	O					0.01
84.583	0.00	0.00	0.002	O					0.01
84.667	0.00	0.00	0.002	O					0.01
84.750	0.00	0.00	0.002	O					0.01
84.833	0.00	0.00	0.002	O					0.01
84.917	0.00	0.00	0.002	O					0.01
85.000	0.00	0.00	0.002	O					0.01
85.083	0.00	0.00	0.002	O					0.01
85.167	0.00	0.00	0.002	O					0.01
85.250	0.00	0.00	0.002	O					0.01
85.333	0.00	0.00	0.002	O					0.01
85.417	0.00	0.00	0.002	O					0.01
85.500	0.00	0.00	0.002	O					0.01
85.583	0.00	0.00	0.002	O					0.01
85.667	0.00	0.00	0.002	O					0.01
85.750	0.00	0.00	0.002	O					0.01
85.833	0.00	0.00	0.002	O					0.01
85.917	0.00	0.00	0.002	O					0.01
86.000	0.00	0.00	0.002	O					0.01
86.083	0.00	0.00	0.002	O					0.01
86.167	0.00	0.00	0.001	O					0.01
86.250	0.00	0.00	0.001	O					0.01
86.333	0.00	0.00	0.001	O					0.01
86.417	0.00	0.00	0.001	O					0.01
86.500	0.00	0.00	0.001	O					0.01
86.583	0.00	0.00	0.001	O					0.01
86.667	0.00	0.00	0.001	O					0.01
86.750	0.00	0.00	0.001	O					0.01
86.833	0.00	0.00	0.001	O					0.01
86.917	0.00	0.00	0.001	O					0.01
87.000	0.00	0.00	0.001	O					0.01
87.083	0.00	0.00	0.001	O					0.01
87.167	0.00	0.00	0.001	O					0.01
87.250	0.00	0.00	0.001	O					0.01
87.333	0.00	0.00	0.001	O					0.01
87.417	0.00	0.00	0.001	O					0.01
87.500	0.00	0.00	0.001	O					0.01
87.583	0.00	0.00	0.001	O					0.01
87.667	0.00	0.00	0.001	O					0.01
87.750	0.00	0.00	0.001	O					0.01
87.833	0.00	0.00	0.001	O					0.01
87.917	0.00	0.00	0.001	O					0.01
88.000	0.00	0.00	0.001	O					0.01
88.083	0.00	0.00	0.001	O					0.01
88.167	0.00	0.00	0.001	O					0.01
88.250	0.00	0.00	0.001	O					0.01
88.333	0.00	0.00	0.001	O					0.01
88.417	0.00	0.00	0.001	O					0.01
88.500	0.00	0.00	0.001	O					0.01
88.583	0.00	0.00	0.001	O					0.01
88.667	0.00	0.00	0.001	O					0.01
88.750	0.00	0.00	0.001	O					0.01
88.833	0.00	0.00	0.001	O					0.01
88.917	0.00	0.00	0.001	O					0.01
89.000	0.00	0.00	0.001	O					0.01
89.083	0.00	0.00	0.001	O					0.01
89.167	0.00	0.00	0.001	O					0.01
89.250	0.00	0.00	0.001	O					0.01
89.333	0.00	0.00	0.001	O					0.01
89.417	0.00	0.00	0.001	O					0.01
89.500	0.00	0.00	0.001	O					0.01

89.583	0.00	0.00	0.001	O	|	|	|	|	0.00
89.667	0.00	0.00	0.001	O	|	|	|	|	0.00
89.750	0.00	0.00	0.001	O	|	|	|	|	0.00
89.833	0.00	0.00	0.001	O	|	|	|	|	0.00
89.917	0.00	0.00	0.001	O	|	|	|	|	0.00
90.000	0.00	0.00	0.001	O	|	|	|	|	0.00
90.083	0.00	0.00	0.001	O	|	|	|	|	0.00
90.167	0.00	0.00	0.001	O	|	|	|	|	0.00
90.250	0.00	0.00	0.001	O	|	|	|	|	0.00
90.333	0.00	0.00	0.001	O	|	|	|	|	0.00
90.417	0.00	0.00	0.001	O	|	|	|	|	0.00
90.500	0.00	0.00	0.001	O	|	|	|	|	0.00
90.583	0.00	0.00	0.001	O	|	|	|	|	0.00
90.667	0.00	0.00	0.001	O	|	|	|	|	0.00
90.750	0.00	0.00	0.001	O	|	|	|	|	0.00
90.833	0.00	0.00	0.001	O	|	|	|	|	0.00
90.917	0.00	0.00	0.001	O	|	|	|	|	0.00
91.000	0.00	0.00	0.001	O	|	|	|	|	0.00
91.083	0.00	0.00	0.001	O	|	|	|	|	0.00
91.167	0.00	0.00	0.001	O	|	|	|	|	0.00
91.250	0.00	0.00	0.001	O	|	|	|	|	0.00
91.333	0.00	0.00	0.001	O	|	|	|	|	0.00
91.417	0.00	0.00	0.001	O	|	|	|	|	0.00
91.500	0.00	0.00	0.001	O	|	|	|	|	0.00
91.583	0.00	0.00	0.001	O	|	|	|	|	0.00
91.667	0.00	0.00	0.001	O	|	|	|	|	0.00
91.750	0.00	0.00	0.001	O	|	|	|	|	0.00
91.833	0.00	0.00	0.001	O	|	|	|	|	0.00
91.917	0.00	0.00	0.001	O	|	|	|	|	0.00
92.000	0.00	0.00	0.001	O	|	|	|	|	0.00
92.083	0.00	0.00	0.001	O	|	|	|	|	0.00
92.167	0.00	0.00	0.001	O	|	|	|	|	0.00
92.250	0.00	0.00	0.001	O	|	|	|	|	0.00
92.333	0.00	0.00	0.001	O	|	|	|	|	0.00
92.417	0.00	0.00	0.001	O	|	|	|	|	0.00
92.500	0.00	0.00	0.001	O	|	|	|	|	0.00
92.583	0.00	0.00	0.001	O	|	|	|	|	0.00
92.667	0.00	0.00	0.001	O	|	|	|	|	0.00
92.750	0.00	0.00	0.001	O	|	|	|	|	0.00
92.833	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 1114
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 13.113 (CFS)
Total volume = 8.749 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

BASIN E

UNIT HYDROGRAPH

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/13/21 File: RVEXE242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN E- EXISTING UNIT HYDROGRAPH
2YR-24HR STROM

Drainage Area = 71.82(Ac.) = 0.112 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 71.82(Ac.) = 0.112 Sq. Mi.
Length along longest watercourse = 2220.90(Ft.)
Length along longest watercourse measured to centroid = 1303.74(Ft.)
Length along longest watercourse = 0.421 Mi.
Length along longest watercourse measured to centroid = 0.247 Mi.
Difference in elevation = 310.00(Ft.)
Slope along watercourse = 736.9985 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.116 Hr.
Lag time = 6.95 Min.
25% of lag time = 1.74 Min.
40% of lag time = 2.78 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
71.82	2.70	193.91

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
71.82	7.00	502.74

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
71.820	86.00	0.000

Total Area Entered = 71.82(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      86.0  71.6      0.343     0.000        0.343       1.000      0.343
                                                          Sum (F) =   0.343
      Area averaged mean soil loss (F) (In/Hr) =  0.343
      Minimum soil loss rate ((In/Hr)) =  0.172
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.900
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083         71.964         11.132              8.057
          2   0.167        143.928         41.091             29.742
          3   0.250        215.892         22.478             16.270
          4   0.333        287.855          8.837              6.397
          5   0.417        359.819          5.369              3.886
          6   0.500        431.783          3.524              2.551
          7   0.583        503.747          2.397              1.735
          8   0.667        575.711          1.828              1.323
          9   0.750        647.675          1.292              0.935
         10   0.833        719.638          0.889              0.644
         11   0.917        791.602          0.720              0.521
         12   1.000        863.566          0.444              0.321
                                   Sum = 100.000   Sum=       72.381
    ------------------------------------------------------------------------

     The following loss rate calculations reflect use of the minimum calculated loss
     rate subtracted from the Storm Rain to produce the maximum Effective Rain value

      Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
           (Hr.)  Percent   (In/Hr)          Max    |   Low        (In/Hr)
       1   0.08     0.07      0.022       (  0.608)       0.019        0.002
       2   0.17     0.07      0.022       (  0.606)       0.019        0.002
       3   0.25     0.07      0.022       (  0.604)       0.019        0.002
       4   0.33     0.10      0.032       (  0.601)       0.029        0.003
       5   0.42     0.10      0.032       (  0.599)       0.029        0.003
       6   0.50     0.10      0.032       (  0.597)       0.029        0.003
       7   0.58     0.10      0.032       (  0.594)       0.029        0.003
       8   0.67     0.10      0.032       (  0.592)       0.029        0.003
       9   0.75     0.10      0.032       (  0.590)       0.029        0.003
      10   0.83     0.13      0.043       (  0.587)       0.039        0.004
      11   0.92     0.13      0.043       (  0.585)       0.039        0.004
      12   1.00     0.13      0.043       (  0.583)       0.039        0.004
      13   1.08     0.10      0.032       (  0.580)       0.029        0.003
      14   1.17     0.10      0.032       (  0.578)       0.029        0.003
      15   1.25     0.10      0.032       (  0.576)       0.029        0.003
      16   1.33     0.10      0.032       (  0.573)       0.029        0.003
      17   1.42     0.10      0.032       (  0.571)       0.029        0.003
      18   1.50     0.10      0.032       (  0.569)       0.029        0.003
      19   1.58     0.10      0.032       (  0.567)       0.029        0.003
      20   1.67     0.10      0.032       (  0.564)       0.029        0.003
      21   1.75     0.10      0.032       (  0.562)       0.029        0.003
      22   1.83     0.13      0.043       (  0.560)       0.039        0.004
      23   1.92     0.13      0.043       (  0.558)       0.039        0.004
      24   2.00     0.13      0.043       (  0.555)       0.039        0.004
      25   2.08     0.13      0.043       (  0.553)       0.039        0.004
      26   2.17     0.13      0.043       (  0.551)       0.039        0.004
      27   2.25     0.13      0.043       (  0.549)       0.039        0.004
      28   2.33     0.13      0.043       (  0.546)       0.039        0.004
      29   2.42     0.13      0.043       (  0.544)       0.039        0.004
      30   2.50     0.13      0.043       (  0.542)       0.039        0.004
```

31	2.58	0.17	0.054	(0.540)	0.049	0.005
32	2.67	0.17	0.054	(0.537)	0.049	0.005
33	2.75	0.17	0.054	(0.535)	0.049	0.005
34	2.83	0.17	0.054	(0.533)	0.049	0.005
35	2.92	0.17	0.054	(0.531)	0.049	0.005
36	3.00	0.17	0.054	(0.529)	0.049	0.005
37	3.08	0.17	0.054	(0.526)	0.049	0.005
38	3.17	0.17	0.054	(0.524)	0.049	0.005
39	3.25	0.17	0.054	(0.522)	0.049	0.005
40	3.33	0.17	0.054	(0.520)	0.049	0.005
41	3.42	0.17	0.054	(0.518)	0.049	0.005
42	3.50	0.17	0.054	(0.516)	0.049	0.005
43	3.58	0.17	0.054	(0.513)	0.049	0.005
44	3.67	0.17	0.054	(0.511)	0.049	0.005
45	3.75	0.17	0.054	(0.509)	0.049	0.005
46	3.83	0.20	0.065	(0.507)	0.058	0.006
47	3.92	0.20	0.065	(0.505)	0.058	0.006
48	4.00	0.20	0.065	(0.503)	0.058	0.006
49	4.08	0.20	0.065	(0.501)	0.058	0.006
50	4.17	0.20	0.065	(0.498)	0.058	0.006
51	4.25	0.20	0.065	(0.496)	0.058	0.006
52	4.33	0.23	0.076	(0.494)	0.068	0.008
53	4.42	0.23	0.076	(0.492)	0.068	0.008
54	4.50	0.23	0.076	(0.490)	0.068	0.008
55	4.58	0.23	0.076	(0.488)	0.068	0.008
56	4.67	0.23	0.076	(0.486)	0.068	0.008
57	4.75	0.23	0.076	(0.484)	0.068	0.008
58	4.83	0.27	0.086	(0.482)	0.078	0.009
59	4.92	0.27	0.086	(0.480)	0.078	0.009
60	5.00	0.27	0.086	(0.477)	0.078	0.009
61	5.08	0.20	0.065	(0.475)	0.058	0.006
62	5.17	0.20	0.065	(0.473)	0.058	0.006
63	5.25	0.20	0.065	(0.471)	0.058	0.006
64	5.33	0.23	0.076	(0.469)	0.068	0.008
65	5.42	0.23	0.076	(0.467)	0.068	0.008
66	5.50	0.23	0.076	(0.465)	0.068	0.008
67	5.58	0.27	0.086	(0.463)	0.078	0.009
68	5.67	0.27	0.086	(0.461)	0.078	0.009
69	5.75	0.27	0.086	(0.459)	0.078	0.009
70	5.83	0.27	0.086	(0.457)	0.078	0.009
71	5.92	0.27	0.086	(0.455)	0.078	0.009
72	6.00	0.27	0.086	(0.453)	0.078	0.009
73	6.08	0.30	0.097	(0.451)	0.087	0.010
74	6.17	0.30	0.097	(0.449)	0.087	0.010
75	6.25	0.30	0.097	(0.447)	0.087	0.010
76	6.33	0.30	0.097	(0.445)	0.087	0.010
77	6.42	0.30	0.097	(0.443)	0.087	0.010
78	6.50	0.30	0.097	(0.441)	0.087	0.010
79	6.58	0.33	0.108	(0.439)	0.097	0.011
80	6.67	0.33	0.108	(0.437)	0.097	0.011
81	6.75	0.33	0.108	(0.435)	0.097	0.011
82	6.83	0.33	0.108	(0.433)	0.097	0.011
83	6.92	0.33	0.108	(0.431)	0.097	0.011
84	7.00	0.33	0.108	(0.429)	0.097	0.011
85	7.08	0.33	0.108	(0.427)	0.097	0.011
86	7.17	0.33	0.108	(0.425)	0.097	0.011
87	7.25	0.33	0.108	(0.423)	0.097	0.011
88	7.33	0.37	0.119	(0.421)	0.107	0.012
89	7.42	0.37	0.119	(0.419)	0.107	0.012
90	7.50	0.37	0.119	(0.417)	0.107	0.012
91	7.58	0.40	0.130	(0.416)	0.117	0.013
92	7.67	0.40	0.130	(0.414)	0.117	0.013
93	7.75	0.40	0.130	(0.412)	0.117	0.013
94	7.83	0.43	0.140	(0.410)	0.126	0.014
95	7.92	0.43	0.140	(0.408)	0.126	0.014
96	8.00	0.43	0.140	(0.406)	0.126	0.014
97	8.08	0.50	0.162	(0.404)	0.146	0.016

98	8.17	0.50	0.162	(	0.402)	0.146	0.016
99	8.25	0.50	0.162	(	0.400)	0.146	0.016
100	8.33	0.50	0.162	(	0.399)	0.146	0.016
101	8.42	0.50	0.162	(	0.397)	0.146	0.016
102	8.50	0.50	0.162	(	0.395)	0.146	0.016
103	8.58	0.53	0.173	(	0.393)	0.155	0.017
104	8.67	0.53	0.173	(	0.391)	0.155	0.017
105	8.75	0.53	0.173	(	0.389)	0.155	0.017
106	8.83	0.57	0.184	(	0.387)	0.165	0.018
107	8.92	0.57	0.184	(	0.386)	0.165	0.018
108	9.00	0.57	0.184	(	0.384)	0.165	0.018
109	9.08	0.63	0.205	(	0.382)	0.185	0.021
110	9.17	0.63	0.205	(	0.380)	0.185	0.021
111	9.25	0.63	0.205	(	0.378)	0.185	0.021
112	9.33	0.67	0.216	(	0.377)	0.194	0.022
113	9.42	0.67	0.216	(	0.375)	0.194	0.022
114	9.50	0.67	0.216	(	0.373)	0.194	0.022
115	9.58	0.70	0.227	(	0.371)	0.204	0.023
116	9.67	0.70	0.227	(	0.369)	0.204	0.023
117	9.75	0.70	0.227	(	0.368)	0.204	0.023
118	9.83	0.73	0.238	(	0.366)	0.214	0.024
119	9.92	0.73	0.238	(	0.364)	0.214	0.024
120	10.00	0.73	0.238	(	0.362)	0.214	0.024
121	10.08	0.50	0.162	(	0.361)	0.146	0.016
122	10.17	0.50	0.162	(	0.359)	0.146	0.016
123	10.25	0.50	0.162	(	0.357)	0.146	0.016
124	10.33	0.50	0.162	(	0.355)	0.146	0.016
125	10.42	0.50	0.162	(	0.354)	0.146	0.016
126	10.50	0.50	0.162	(	0.352)	0.146	0.016
127	10.58	0.67	0.216	(	0.350)	0.194	0.022
128	10.67	0.67	0.216	(	0.348)	0.194	0.022
129	10.75	0.67	0.216	(	0.347)	0.194	0.022
130	10.83	0.67	0.216	(	0.345)	0.194	0.022
131	10.92	0.67	0.216	(	0.343)	0.194	0.022
132	11.00	0.67	0.216	(	0.342)	0.194	0.022
133	11.08	0.63	0.205	(	0.340)	0.185	0.021
134	11.17	0.63	0.205	(	0.338)	0.185	0.021
135	11.25	0.63	0.205	(	0.337)	0.185	0.021
136	11.33	0.63	0.205	(	0.335)	0.185	0.021
137	11.42	0.63	0.205	(	0.333)	0.185	0.021
138	11.50	0.63	0.205	(	0.332)	0.185	0.021
139	11.58	0.57	0.184	(	0.330)	0.165	0.018
140	11.67	0.57	0.184	(	0.328)	0.165	0.018
141	11.75	0.57	0.184	(	0.327)	0.165	0.018
142	11.83	0.60	0.194	(	0.325)	0.175	0.019
143	11.92	0.60	0.194	(	0.324)	0.175	0.019
144	12.00	0.60	0.194	(	0.322)	0.175	0.019
145	12.08	0.83	0.270	(	0.320)	0.243	0.027
146	12.17	0.83	0.270	(	0.319)	0.243	0.027
147	12.25	0.83	0.270	(	0.317)	0.243	0.027
148	12.33	0.87	0.281	(	0.316)	0.253	0.028
149	12.42	0.87	0.281	(	0.314)	0.253	0.028
150	12.50	0.87	0.281	(	0.312)	0.253	0.028
151	12.58	0.93	0.302	(	0.311)	0.272	0.030
152	12.67	0.93	0.302	(	0.309)	0.272	0.030
153	12.75	0.93	0.302	(	0.308)	0.272	0.030
154	12.83	0.97	0.313	(	0.306)	0.282	0.031
155	12.92	0.97	0.313	(	0.305)	0.282	0.031
156	13.00	0.97	0.313	(	0.303)	0.282	0.031
157	13.08	1.13	0.367		0.301	(0.330)	0.066
158	13.17	1.13	0.367		0.300	(0.330)	0.067
159	13.25	1.13	0.367		0.298	(0.330)	0.069
160	13.33	1.13	0.367		0.297	(0.330)	0.070
161	13.42	1.13	0.367		0.295	(0.330)	0.072
162	13.50	1.13	0.367		0.294	(0.330)	0.073
163	13.58	0.77	0.248	(	0.292)	0.224	0.025
164	13.67	0.77	0.248	(	0.291)	0.224	0.025

165	13.75	0.77	0.248	(0.289)	0.224	0.025
166	13.83	0.77	0.248	(0.288)	0.224	0.025
167	13.92	0.77	0.248	(0.286)	0.224	0.025
168	14.00	0.77	0.248	(0.285)	0.224	0.025
169	14.08	0.90	0.292	(0.284)	0.262	0.029
170	14.17	0.90	0.292	(0.282)	0.262	0.029
171	14.25	0.90	0.292	(0.281)	0.262	0.029
172	14.33	0.87	0.281	(0.279)	0.253	0.028
173	14.42	0.87	0.281	(0.278)	0.253	0.028
174	14.50	0.87	0.281	(0.276)	0.253	0.028
175	14.58	0.87	0.281	(0.275)	0.253	0.028
176	14.67	0.87	0.281	(0.274)	0.253	0.028
177	14.75	0.87	0.281	(0.272)	0.253	0.028
178	14.83	0.83	0.270	(0.271)	0.243	0.027
179	14.92	0.83	0.270	(0.269)	0.243	0.027
180	15.00	0.83	0.270	(0.268)	0.243	0.027
181	15.08	0.80	0.259	(0.267)	0.233	0.026
182	15.17	0.80	0.259	(0.265)	0.233	0.026
183	15.25	0.80	0.259	(0.264)	0.233	0.026
184	15.33	0.77	0.248	(0.263)	0.224	0.025
185	15.42	0.77	0.248	(0.261)	0.224	0.025
186	15.50	0.77	0.248	(0.260)	0.224	0.025
187	15.58	0.63	0.205	(0.259)	0.185	0.021
188	15.67	0.63	0.205	(0.257)	0.185	0.021
189	15.75	0.63	0.205	(0.256)	0.185	0.021
190	15.83	0.63	0.205	(0.255)	0.185	0.021
191	15.92	0.63	0.205	(0.253)	0.185	0.021
192	16.00	0.63	0.205	(0.252)	0.185	0.021
193	16.08	0.13	0.043	(0.251)	0.039	0.004
194	16.17	0.13	0.043	(0.249)	0.039	0.004
195	16.25	0.13	0.043	(0.248)	0.039	0.004
196	16.33	0.13	0.043	(0.247)	0.039	0.004
197	16.42	0.13	0.043	(0.246)	0.039	0.004
198	16.50	0.13	0.043	(0.244)	0.039	0.004
199	16.58	0.10	0.032	(0.243)	0.029	0.003
200	16.67	0.10	0.032	(0.242)	0.029	0.003
201	16.75	0.10	0.032	(0.241)	0.029	0.003
202	16.83	0.10	0.032	(0.239)	0.029	0.003
203	16.92	0.10	0.032	(0.238)	0.029	0.003
204	17.00	0.10	0.032	(0.237)	0.029	0.003
205	17.08	0.17	0.054	(0.236)	0.049	0.005
206	17.17	0.17	0.054	(0.235)	0.049	0.005
207	17.25	0.17	0.054	(0.233)	0.049	0.005
208	17.33	0.17	0.054	(0.232)	0.049	0.005
209	17.42	0.17	0.054	(0.231)	0.049	0.005
210	17.50	0.17	0.054	(0.230)	0.049	0.005
211	17.58	0.17	0.054	(0.229)	0.049	0.005
212	17.67	0.17	0.054	(0.228)	0.049	0.005
213	17.75	0.17	0.054	(0.227)	0.049	0.005
214	17.83	0.13	0.043	(0.225)	0.039	0.004
215	17.92	0.13	0.043	(0.224)	0.039	0.004
216	18.00	0.13	0.043	(0.223)	0.039	0.004
217	18.08	0.13	0.043	(0.222)	0.039	0.004
218	18.17	0.13	0.043	(0.221)	0.039	0.004
219	18.25	0.13	0.043	(0.220)	0.039	0.004
220	18.33	0.13	0.043	(0.219)	0.039	0.004
221	18.42	0.13	0.043	(0.218)	0.039	0.004
222	18.50	0.13	0.043	(0.217)	0.039	0.004
223	18.58	0.10	0.032	(0.216)	0.029	0.003
224	18.67	0.10	0.032	(0.215)	0.029	0.003
225	18.75	0.10	0.032	(0.214)	0.029	0.003
226	18.83	0.07	0.022	(0.213)	0.019	0.002
227	18.92	0.07	0.022	(0.212)	0.019	0.002
228	19.00	0.07	0.022	(0.211)	0.019	0.002
229	19.08	0.10	0.032	(0.210)	0.029	0.003
230	19.17	0.10	0.032	(0.209)	0.029	0.003
231	19.25	0.10	0.032	(0.208)	0.029	0.003

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232  19.33     0.13      0.043       (  0.207)       0.039        0.004
233  19.42     0.13      0.043       (  0.206)       0.039        0.004
234  19.50     0.13      0.043       (  0.205)       0.039        0.004
235  19.58     0.10      0.032       (  0.204)       0.029        0.003
236  19.67     0.10      0.032       (  0.203)       0.029        0.003
237  19.75     0.10      0.032       (  0.202)       0.029        0.003
238  19.83     0.07      0.022       (  0.201)       0.019        0.002
239  19.92     0.07      0.022       (  0.200)       0.019        0.002
240  20.00     0.07      0.022       (  0.199)       0.019        0.002
241  20.08     0.10      0.032       (  0.198)       0.029        0.003
242  20.17     0.10      0.032       (  0.197)       0.029        0.003
243  20.25     0.10      0.032       (  0.197)       0.029        0.003
244  20.33     0.10      0.032       (  0.196)       0.029        0.003
245  20.42     0.10      0.032       (  0.195)       0.029        0.003
246  20.50     0.10      0.032       (  0.194)       0.029        0.003
247  20.58     0.10      0.032       (  0.193)       0.029        0.003
248  20.67     0.10      0.032       (  0.192)       0.029        0.003
249  20.75     0.10      0.032       (  0.192)       0.029        0.003
250  20.83     0.07      0.022       (  0.191)       0.019        0.002
251  20.92     0.07      0.022       (  0.190)       0.019        0.002
252  21.00     0.07      0.022       (  0.189)       0.019        0.002
253  21.08     0.10      0.032       (  0.189)       0.029        0.003
254  21.17     0.10      0.032       (  0.188)       0.029        0.003
255  21.25     0.10      0.032       (  0.187)       0.029        0.003
256  21.33     0.07      0.022       (  0.186)       0.019        0.002
257  21.42     0.07      0.022       (  0.186)       0.019        0.002
258  21.50     0.07      0.022       (  0.185)       0.019        0.002
259  21.58     0.10      0.032       (  0.184)       0.029        0.003
260  21.67     0.10      0.032       (  0.184)       0.029        0.003
261  21.75     0.10      0.032       (  0.183)       0.029        0.003
262  21.83     0.07      0.022       (  0.182)       0.019        0.002
263  21.92     0.07      0.022       (  0.182)       0.019        0.002
264  22.00     0.07      0.022       (  0.181)       0.019        0.002
265  22.08     0.10      0.032       (  0.181)       0.029        0.003
266  22.17     0.10      0.032       (  0.180)       0.029        0.003
267  22.25     0.10      0.032       (  0.179)       0.029        0.003
268  22.33     0.07      0.022       (  0.179)       0.019        0.002
269  22.42     0.07      0.022       (  0.178)       0.019        0.002
270  22.50     0.07      0.022       (  0.178)       0.019        0.002
271  22.58     0.07      0.022       (  0.177)       0.019        0.002
272  22.67     0.07      0.022       (  0.177)       0.019        0.002
273  22.75     0.07      0.022       (  0.176)       0.019        0.002
274  22.83     0.07      0.022       (  0.176)       0.019        0.002
275  22.92     0.07      0.022       (  0.175)       0.019        0.002
276  23.00     0.07      0.022       (  0.175)       0.019        0.002
277  23.08     0.07      0.022       (  0.175)       0.019        0.002
278  23.17     0.07      0.022       (  0.174)       0.019        0.002
279  23.25     0.07      0.022       (  0.174)       0.019        0.002
280  23.33     0.07      0.022       (  0.173)       0.019        0.002
281  23.42     0.07      0.022       (  0.173)       0.019        0.002
282  23.50     0.07      0.022       (  0.173)       0.019        0.002
283  23.58     0.07      0.022       (  0.173)       0.019        0.002
284  23.67     0.07      0.022       (  0.172)       0.019        0.002
285  23.75     0.07      0.022       (  0.172)       0.019        0.002
286  23.83     0.07      0.022       (  0.172)       0.019        0.002
287  23.92     0.07      0.022       (  0.172)       0.019        0.002
288  24.00     0.07      0.022       (  0.172)       0.019        0.002
            (Loss Rate Not Used)
    Sum =     100.0                                    Sum =     3.4
     Flood volume = Effective rainfall      0.29(In)
      times area      71.8(Ac.)/[(In)/(Ft.)] =       1.7(Ac.Ft)
     Total soil loss =      2.41(In)
     Total soil loss =    14.443(Ac.Ft)
     Total rainfall =      2.70(In)
     Flood volume =       74652.2 Cubic Feet
     Total soil loss =      629156.9 Cubic Feet
     ---------------------------------------------------------------------
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Peak flow rate of this hydrograph = 4.908(CFS)

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 2.5 5.0 7.5 10.0
0+ 5	0.0001	0.02	Q
0+10	0.0007	0.08	Q
0+15	0.0015	0.12	Q
0+20	0.0024	0.14	Q
0+25	0.0037	0.18	Q
0+30	0.0051	0.20	Q
0+35	0.0066	0.21	Q
0+40	0.0081	0.22	Q
0+45	0.0096	0.23	Q
0+50	0.0113	0.24	Q
0+55	0.0131	0.27	VQ
1+ 0	0.0151	0.29	VQ
1+ 5	0.0171	0.29	VQ
1+10	0.0190	0.26	VQ
1+15	0.0207	0.25	Q
1+20	0.0223	0.24	Q
1+25	0.0240	0.24	Q
1+30	0.0256	0.24	Q
1+35	0.0273	0.24	Q
1+40	0.0289	0.24	Q
1+45	0.0305	0.24	Q
1+50	0.0322	0.24	Q
1+55	0.0341	0.28	VQ
2+ 0	0.0361	0.29	VQ
2+ 5	0.0382	0.30	VQ
2+10	0.0403	0.30	VQ
2+15	0.0424	0.31	VQ
2+20	0.0445	0.31	|Q
2+25	0.0467	0.31	|Q
2+30	0.0488	0.31	|Q
2+35	0.0510	0.32	|Q
2+40	0.0535	0.35	|Q
2+45	0.0560	0.37	|Q
2+50	0.0586	0.38	|Q
2+55	0.0613	0.38	|Q
3+ 0	0.0639	0.39	|Q
3+ 5	0.0666	0.39	|Q
3+10	0.0692	0.39	|Q
3+15	0.0719	0.39	|Q
3+20	0.0746	0.39	|Q
3+25	0.0773	0.39	|Q
3+30	0.0800	0.39	|Q
3+35	0.0827	0.39	|Q
3+40	0.0854	0.39	|Q
3+45	0.0881	0.39	|QV
3+50	0.0908	0.40	|QV
3+55	0.0938	0.43	|QV
4+ 0	0.0969	0.45	|QV
4+ 5	0.1000	0.46	|QV
4+10	0.1032	0.46	|QV
4+15	0.1064	0.46	|QV
4+20	0.1097	0.47	|QV
4+25	0.1132	0.51	| Q
4+30	0.1168	0.53	| Q
4+35	0.1205	0.53	| Q
4+40	0.1242	0.54	| Q

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 4+45       0.1279      0.54  | Q       |         |         |         |
 4+50       0.1317      0.55  | QV      |         |         |         |
 4+55       0.1357      0.59  | QV      |         |         |         |
 5+ 0       0.1399      0.60  | QV      |         |         |         |
 5+ 5       0.1440      0.59  | QV      |         |         |         |
 5+10       0.1477      0.53  | QV      |         |         |         |
 5+15       0.1511      0.50  | QV      |         |         |         |
 5+20       0.1546      0.50  |Q V      |         |         |         |
 5+25       0.1582      0.52  | QV      |         |         |         |
 5+30       0.1619      0.54  | QV      |         |         |         |
 5+35       0.1657      0.55  | QV      |         |         |         |
 5+40       0.1697      0.58  | QV      |         |         |         |
 5+45       0.1739      0.60  | Q V     |         |         |         |
 5+50       0.1781      0.61  | Q V     |         |         |         |
 5+55       0.1823      0.62  | Q V     |         |         |         |
 6+ 0       0.1866      0.62  | Q V     |         |         |         |
 6+ 5       0.1909      0.63  | Q V     |         |         |         |
 6+10       0.1955      0.66  | Q V     |         |         |         |
 6+15       0.2002      0.68  | Q V     |         |         |         |
 6+20       0.2049      0.69  | Q V     |         |         |         |
 6+25       0.2097      0.69  | Q V     |         |         |         |
 6+30       0.2145      0.70  | Q  V    |         |         |         |
 6+35       0.2194      0.71  | Q  V    |         |         |         |
 6+40       0.2245      0.74  | Q  V    |         |         |         |
 6+45       0.2297      0.76  |  Q V    |         |         |         |
 6+50       0.2350      0.77  |  Q V    |         |         |         |
 6+55       0.2404      0.77  |  Q V    |         |         |         |
 7+ 0       0.2457      0.78  |  Q V    |         |         |         |
 7+ 5       0.2511      0.78  |  Q V    |         |         |         |
 7+10       0.2564      0.78  |  Q V    |         |         |         |
 7+15       0.2618      0.78  |  Q  V   |         |         |         |
 7+20       0.2672      0.79  |  Q  V   |         |         |         |
 7+25       0.2729      0.82  |  Q  V   |         |         |         |
 7+30       0.2787      0.84  |  Q  V   |         |         |         |
 7+35       0.2846      0.86  |  Q  V   |         |         |         |
 7+40       0.2907      0.89  |  Q  V   |         |         |         |
 7+45       0.2970      0.91  |  Q  V   |         |         |         |
 7+50       0.3034      0.93  |  Q   V  |         |         |         |
 7+55       0.3101      0.97  |  Q   V  |         |         |         |
 8+ 0       0.3169      0.99  |  Q   V  |         |         |         |
 8+ 5       0.3239      1.02  |   Q  V  |         |         |         |
 8+10       0.3314      1.09  |   Q  V  |         |         |         |
 8+15       0.3391      1.13  |   Q  V  |         |         |         |
 8+20       0.3470      1.14  |   Q   V |         |         |         |
 8+25       0.3549      1.15  |   Q   V |         |         |         |
 8+30       0.3629      1.16  |   Q   V |         |         |         |
 8+35       0.3710      1.17  |   Q   V |         |         |         |
 8+40       0.3793      1.21  |   Q   V |         |         |         |
 8+45       0.3878      1.23  |   Q    V|         |         |         |
 8+50       0.3964      1.25  |   Q    V|         |         |         |
 8+55       0.4052      1.28  |    Q   V|         |         |         |
 9+ 0       0.4142      1.30  |    Q   V|         |         |         |
 9+ 5       0.4233      1.33  |    Q   V|         |         |         |
 9+10       0.4330      1.40  |    Q    V         |         |         |
 9+15       0.4429      1.44  |    Q    V         |         |         |
 9+20       0.4530      1.46  |    Q    V         |         |         |
 9+25       0.4633      1.51  |     Q   V         |         |         |
 9+30       0.4739      1.53  |     Q   |V        |         |         |
 9+35       0.4846      1.55  |     Q   |V        |         |         |
 9+40       0.4955      1.59  |     Q   |V        |         |         |
 9+45       0.5066      1.61  |     Q   |V        |         |         |
 9+50       0.5179      1.63  |     Q   | V       |         |         |
 9+55       0.5294      1.67  |     Q   | V       |         |         |
10+ 0       0.5410      1.69  |     Q   | V       |         |         |
10+ 5       0.5523      1.64  |     Q   | V       |         |         |
10+10       0.5621      1.42  |    Q    |  V      |         |         |
10+15       0.5711      1.30  |    Q    |  V      |         |         |
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10+20       0.5798      1.26  |    Q    |  V      |         |         |
10+25       0.5883      1.23  |   Q     |  V      |         |         |
10+30       0.5966      1.21  |   Q     |  V      |         |         |
10+35       0.6052      1.24  |   Q     |   V     |         |         |
10+40       0.6148      1.40  |    Q    |   V     |         |         |
10+45       0.6250      1.48  |    Q    |   V     |         |         |
10+50       0.6353      1.51  |     Q   |   V     |         |         |
10+55       0.6458      1.52  |     Q   |    V    |         |         |
11+ 0       0.6564      1.53  |     Q   |    V    |         |         |
11+ 5       0.6670      1.54  |     Q   |    V    |         |         |
11+10       0.6774      1.51  |     Q   |    V    |         |         |
11+15       0.6877      1.50  |    Q    |     V   |         |         |
11+20       0.6980      1.49  |    Q    |     V   |         |         |
11+25       0.7083      1.49  |    Q    |     V   |         |         |
11+30       0.7185      1.49  |    Q    |     V   |         |         |
11+35       0.7287      1.47  |    Q    |      V  |         |         |
11+40       0.7384      1.41  |    Q    |      V  |         |         |
11+45       0.7478      1.37  |    Q    |      V  |         |         |
11+50       0.7572      1.36  |    Q    |      V  |         |         |
11+55       0.7668      1.39  |    Q    |      V  |         |         |
12+ 0       0.7764      1.40  |    Q    |       V |         |         |
12+ 5       0.7865      1.46  |    Q    |       V |         |         |
12+10       0.7981      1.69  |     Q   |       V |         |         |
12+15       0.8106      1.81  |      Q  |       V |         |         |
12+20       0.8235      1.87  |      Q  |        V|         |         |
12+25       0.8368      1.93  |      Q  |        V|         |         |
12+30       0.8504      1.97  |      Q  |        V|         |         |
12+35       0.8642      2.01  |       Q |         V         |         |
12+40       0.8786      2.09  |       Q |         V         |         |
12+45       0.8933      2.13  |       Q |         V         |         |
12+50       0.9082      2.16  |       Q |          V        |         |
12+55       0.9234      2.21  |       Q |          V        |         |
13+ 0       0.9388      2.23  |       Q |          V        |         |
13+ 5       0.9561      2.52  |         Q          | V       |         |
13+10       0.9807      3.57  |         |   Q      | V       |         |
13+15       1.0095      4.19  |         |     Q    |  V      |         |
13+20       1.0405      4.49  |         |      Q   |   V     |         |
13+25       1.0730      4.72  |         |       Q  |    V    |         |
13+30       1.1068      4.91  |         |        Q |    V    |         |
13+35       1.1389      4.67  |         |       Q  |     V   |         |
13+40       1.1618      3.32  |         |  Q       |      V  |         |
13+45       1.1796      2.59  |         Q          |      V  |         |
13+50       1.1956      2.31  |        Q|          |      V  |         |
13+55       1.2104      2.16  |       Q |          |       V |         |
14+ 0       1.2245      2.05  |       Q |          |       V |         |
14+ 5       1.2384      2.01  |       Q |          |       V |         |
14+10       1.2526      2.08  |       Q |          |        V|         |
14+15       1.2671      2.10  |       Q |          |        V|         |
14+20       1.2815      2.09  |       Q |          |        V|         |
14+25       1.2957      2.05  |       Q |          |         V         |
14+30       1.3096      2.03  |       Q |          |         V         |
14+35       1.3236      2.03  |       Q |          |         V         |
14+40       1.3376      2.03  |       Q |          |         |V        |
14+45       1.3516      2.03  |       Q |          |         |V        |
14+50       1.3656      2.02  |       Q |          |         |V        |
14+55       1.3793      1.99  |      Q  |          |         | V       |
15+ 0       1.3929      1.98  |      Q  |          |         | V       |
15+ 5       1.4064      1.96  |      Q  |          |         | V       |
15+10       1.4196      1.92  |      Q  |          |         |  V      |
15+15       1.4327      1.90  |      Q  |          |         |  V      |
15+20       1.4457      1.89  |      Q  |          |         |  V      |
15+25       1.4584      1.85  |      Q  |          |         |   V     |
15+30       1.4710      1.83  |      Q  |          |         |   V     |
15+35       1.4833      1.78  |      Q  |          |         |   V     |
15+40       1.4946      1.65  |     Q   |          |         |   V     |
15+45       1.5055      1.57  |     Q   |          |         |    V    |
15+50       1.5161      1.54  |     Q   |          |         |    V    |
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15+55       1.5266      1.52  |      Q   |          |          |    V     |
16+ 0       1.5370      1.51  |      Q   |          |          |    V     |
16+ 5       1.5464      1.37  |     Q    |          |          |     V    |
16+10       1.5525      0.88  |   Q      |          |          |     V    |
16+15       1.5568      0.62  | Q        |          |          |     V    |
16+20       1.5603      0.51  | Q        |          |          |     V    |
16+25       1.5633      0.44  |Q         |          |          |     V    |
16+30       1.5661      0.40  |Q         |          |          |     V    |
16+35       1.5686      0.36  |Q         |          |          |     V    |
16+40       1.5708      0.31  |Q         |          |          |     V    |
16+45       1.5727      0.28  |Q         |          |          |     V    |
16+50       1.5745      0.26  |Q         |          |          |     V    |
16+55       1.5762      0.25  Q          |          |          |     V    |
17+ 0       1.5778      0.24  Q          |          |          |     V    |
17+ 5       1.5796      0.26  |Q         |          |          |     V    |
17+10       1.5818      0.32  |Q         |          |          |     V    |
17+15       1.5842      0.35  |Q         |          |          |     V    |
17+20       1.5868      0.37  |Q         |          |          |      V   |
17+25       1.5893      0.37  |Q         |          |          |      V   |
17+30       1.5919      0.38  |Q         |          |          |      V   |
17+35       1.5946      0.38  |Q         |          |          |      V   |
17+40       1.5972      0.39  |Q         |          |          |      V   |
17+45       1.5999      0.39  |Q         |          |          |      V   |
17+50       1.6025      0.38  |Q         |          |          |      V   |
17+55       1.6049      0.35  |Q         |          |          |      V   |
18+ 0       1.6072      0.33  |Q         |          |          |      V   |
18+ 5       1.6095      0.33  |Q         |          |          |      V   |
18+10       1.6117      0.32  |Q         |          |          |      V   |
18+15       1.6139      0.32  |Q         |          |          |      V   |
18+20       1.6161      0.32  |Q         |          |          |      V   |
18+25       1.6182      0.32  |Q         |          |          |      V   |
18+30       1.6204      0.31  |Q         |          |          |      V   |
18+35       1.6225      0.31  |Q         |          |          |      V   |
18+40       1.6244      0.27  |Q         |          |          |      V   |
18+45       1.6261      0.25  |Q         |          |          |      V   |
18+50       1.6278      0.24  Q          |          |          |      V   |
18+55       1.6292      0.20  Q          |          |          |       V  |
19+ 0       1.6304      0.18  Q          |          |          |       V  |
19+ 5       1.6317      0.18  Q          |          |          |       V  |
19+10       1.6331      0.21  Q          |          |          |       V  |
19+15       1.6346      0.22  Q          |          |          |       V  |
19+20       1.6363      0.24  Q          |          |          |       V  |
19+25       1.6381      0.27  |Q         |          |          |       V  |
19+30       1.6401      0.29  |Q         |          |          |       V  |
19+35       1.6421      0.29  |Q         |          |          |       V  |
19+40       1.6439      0.26  |Q         |          |          |       V  |
19+45       1.6456      0.25  Q          |          |          |       V  |
19+50       1.6472      0.23  Q          |          |          |       V  |
19+55       1.6486      0.20  Q          |          |          |       V  |
20+ 0       1.6498      0.18  Q          |          |          |       V  |
20+ 5       1.6511      0.18  Q          |          |          |       V  |
20+10       1.6525      0.21  Q          |          |          |       V  |
20+15       1.6540      0.22  Q          |          |          |       V  |
20+20       1.6556      0.23  Q          |          |          |       V  |
20+25       1.6572      0.23  Q          |          |          |       V  |
20+30       1.6588      0.23  Q          |          |          |       V  |
20+35       1.6603      0.23  Q          |          |          |       V  |
20+40       1.6619      0.23  Q          |          |          |       V  |
20+45       1.6636      0.23  Q          |          |          |       V  |
20+50       1.6651      0.22  Q          |          |          |       V  |
20+55       1.6664      0.19  Q          |          |          |       V  |
21+ 0       1.6676      0.18  Q          |          |          |       V  |
21+ 5       1.6689      0.18  Q          |          |          |       V  |
21+10       1.6703      0.21  Q          |          |          |       V  |
21+15       1.6718      0.22  Q          |          |          |        V |
21+20       1.6733      0.22  Q          |          |          |        V |
21+25       1.6746      0.19  Q          |          |          |        V |
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21+30	1.6758	0.17	Q	|	|	|	V|
21+35	1.6770	0.17	Q	|	|	|	V|
21+40	1.6784	0.20	Q	|	|	|	V|
21+45	1.6799	0.22	Q	|	|	|	V|
21+50	1.6814	0.22	Q	|	|	|	V|
21+55	1.6827	0.19	Q	|	|	|	V|
22+ 0	1.6839	0.17	Q	|	|	|	V|
22+ 5	1.6851	0.17	Q	|	|	|	V|
22+10	1.6865	0.20	Q	|	|	|	V|
22+15	1.6880	0.22	Q	|	|	|	V|
22+20	1.6895	0.22	Q	|	|	|	V|
22+25	1.6908	0.19	Q	|	|	|	V|
22+30	1.6919	0.17	Q	|	|	|	V|
22+35	1.6931	0.17	Q	|	|	|	V|
22+40	1.6942	0.16	Q	|	|	|	V|
22+45	1.6953	0.16	Q	|	|	|	V|
22+50	1.6964	0.16	Q	|	|	|	V|
22+55	1.6975	0.16	Q	|	|	|	V|
23+ 0	1.6986	0.16	Q	|	|	|	V|
23+ 5	1.6997	0.16	Q	|	|	|	V|
23+10	1.7008	0.16	Q	|	|	|	V|
23+15	1.7018	0.16	Q	|	|	|	V|
23+20	1.7029	0.16	Q	|	|	|	V|
23+25	1.7040	0.16	Q	|	|	|	V|
23+30	1.7051	0.16	Q	|	|	|	V|
23+35	1.7061	0.16	Q	|	|	|	V|
23+40	1.7072	0.16	Q	|	|	|	V|
23+45	1.7083	0.16	Q	|	|	|	V|
23+50	1.7094	0.16	Q	|	|	|	V|
23+55	1.7104	0.16	Q	|	|	|	V|
24+ 0	1.7115	0.16	Q	|	|	|	V|
24+ 5	1.7125	0.14	Q	|	|	|	V|
24+10	1.7130	0.07	Q	|	|	|	V|
24+15	1.7133	0.04	Q	|	|	|	V|
24+20	1.7134	0.03	Q	|	|	|	V|
24+25	1.7136	0.02	Q	|	|	|	V|
24+30	1.7136	0.01	Q	|	|	|	V|
24+35	1.7137	0.01	Q	|	|	|	V|
24+40	1.7137	0.01	Q	|	|	|	V|
24+45	1.7138	0.00	Q	|	|	|	V|
24+50	1.7138	0.00	Q	|	|	|	V|
24+55	1.7138	0.00	Q	|	|	|	V

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/12/21 File: RVPRE242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN E- PROPOSED UNIT HYDROGRAPH
2YR-24HR STORM

Drainage Area = 51.43(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.43(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 2597.00(Ft.)
Length along longest watercourse measured to centroid = 1241.50(Ft.)
Length along longest watercourse = 0.492 Mi.
Length along longest watercourse measured to centroid = 0.235 Mi.
Difference in elevation = 208.00(Ft.)
Slope along watercourse = 422.8879 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.050 Hr.
Lag time = 3.02 Min.
25% of lag time = 0.75 Min.
40% of lag time = 1.21 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	2.70	138.86

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	7.00	360.01

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.430	74.50	0.266

Total Area Entered = 51.43(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-1     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
74.5  56.4      0.507     0.266        0.385       1.000      0.385
                                                  Sum (F) =   0.385
Area averaged mean soil loss (F) (In/Hr) =  0.385
Minimum soil loss rate ((In/Hr)) =  0.193
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.687
------------------------------------------------------------------------

            U n i t  H y d r o g r a p h
                   VALLEY S-Curve
------------------------------------------------------------------------
            Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %            (CFS)
------------------------------------------------------------------------
       1   0.083        165.768         36.785             19.066
       2   0.167        331.537         45.833             23.756
       3   0.250        497.305         10.344              5.361
       4   0.333        663.074          4.398              2.279
       5   0.417        828.842          2.640              1.369
                               Sum = 100.000   Sum=         51.832
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.683)	0.015	0.007
2	0.17	0.07	0.022	(0.681)	0.015	0.007
3	0.25	0.07	0.022	(0.678)	0.015	0.007
4	0.33	0.10	0.032	(0.675)	0.022	0.010
5	0.42	0.10	0.032	(0.673)	0.022	0.010
6	0.50	0.10	0.032	(0.670)	0.022	0.010
7	0.58	0.10	0.032	(0.667)	0.022	0.010
8	0.67	0.10	0.032	(0.665)	0.022	0.010
9	0.75	0.10	0.032	(0.662)	0.022	0.010
10	0.83	0.13	0.043	(0.660)	0.030	0.014
11	0.92	0.13	0.043	(0.657)	0.030	0.014
12	1.00	0.13	0.043	(0.654)	0.030	0.014
13	1.08	0.10	0.032	(0.652)	0.022	0.010
14	1.17	0.10	0.032	(0.649)	0.022	0.010
15	1.25	0.10	0.032	(0.647)	0.022	0.010
16	1.33	0.10	0.032	(0.644)	0.022	0.010
17	1.42	0.10	0.032	(0.642)	0.022	0.010
18	1.50	0.10	0.032	(0.639)	0.022	0.010
19	1.58	0.10	0.032	(0.636)	0.022	0.010
20	1.67	0.10	0.032	(0.634)	0.022	0.010
21	1.75	0.10	0.032	(0.631)	0.022	0.010
22	1.83	0.13	0.043	(0.629)	0.030	0.014
23	1.92	0.13	0.043	(0.626)	0.030	0.014
24	2.00	0.13	0.043	(0.624)	0.030	0.014
25	2.08	0.13	0.043	(0.621)	0.030	0.014
26	2.17	0.13	0.043	(0.619)	0.030	0.014
27	2.25	0.13	0.043	(0.616)	0.030	0.014
28	2.33	0.13	0.043	(0.614)	0.030	0.014
29	2.42	0.13	0.043	(0.611)	0.030	0.014
30	2.50	0.13	0.043	(0.609)	0.030	0.014
31	2.58	0.17	0.054	(0.606)	0.037	0.017
32	2.67	0.17	0.054	(0.604)	0.037	0.017
33	2.75	0.17	0.054	(0.601)	0.037	0.017
34	2.83	0.17	0.054	(0.599)	0.037	0.017
35	2.92	0.17	0.054	(0.596)	0.037	0.017
36	3.00	0.17	0.054	(0.594)	0.037	0.017

37	3.08	0.17	0.054	(0.591)	0.037	0.017
38	3.17	0.17	0.054	(0.589)	0.037	0.017
39	3.25	0.17	0.054	(0.586)	0.037	0.017
40	3.33	0.17	0.054	(0.584)	0.037	0.017
41	3.42	0.17	0.054	(0.582)	0.037	0.017
42	3.50	0.17	0.054	(0.579)	0.037	0.017
43	3.58	0.17	0.054	(0.577)	0.037	0.017
44	3.67	0.17	0.054	(0.574)	0.037	0.017
45	3.75	0.17	0.054	(0.572)	0.037	0.017
46	3.83	0.20	0.065	(0.569)	0.045	0.020
47	3.92	0.20	0.065	(0.567)	0.045	0.020
48	4.00	0.20	0.065	(0.565)	0.045	0.020
49	4.08	0.20	0.065	(0.562)	0.045	0.020
50	4.17	0.20	0.065	(0.560)	0.045	0.020
51	4.25	0.20	0.065	(0.558)	0.045	0.020
52	4.33	0.23	0.076	(0.555)	0.052	0.024
53	4.42	0.23	0.076	(0.553)	0.052	0.024
54	4.50	0.23	0.076	(0.550)	0.052	0.024
55	4.58	0.23	0.076	(0.548)	0.052	0.024
56	4.67	0.23	0.076	(0.546)	0.052	0.024
57	4.75	0.23	0.076	(0.543)	0.052	0.024
58	4.83	0.27	0.086	(0.541)	0.059	0.027
59	4.92	0.27	0.086	(0.539)	0.059	0.027
60	5.00	0.27	0.086	(0.536)	0.059	0.027
61	5.08	0.20	0.065	(0.534)	0.045	0.020
62	5.17	0.20	0.065	(0.532)	0.045	0.020
63	5.25	0.20	0.065	(0.529)	0.045	0.020
64	5.33	0.23	0.076	(0.527)	0.052	0.024
65	5.42	0.23	0.076	(0.525)	0.052	0.024
66	5.50	0.23	0.076	(0.522)	0.052	0.024
67	5.58	0.27	0.086	(0.520)	0.059	0.027
68	5.67	0.27	0.086	(0.518)	0.059	0.027
69	5.75	0.27	0.086	(0.516)	0.059	0.027
70	5.83	0.27	0.086	(0.513)	0.059	0.027
71	5.92	0.27	0.086	(0.511)	0.059	0.027
72	6.00	0.27	0.086	(0.509)	0.059	0.027
73	6.08	0.30	0.097	(0.506)	0.067	0.030
74	6.17	0.30	0.097	(0.504)	0.067	0.030
75	6.25	0.30	0.097	(0.502)	0.067	0.030
76	6.33	0.30	0.097	(0.500)	0.067	0.030
77	6.42	0.30	0.097	(0.497)	0.067	0.030
78	6.50	0.30	0.097	(0.495)	0.067	0.030
79	6.58	0.33	0.108	(0.493)	0.074	0.034
80	6.67	0.33	0.108	(0.491)	0.074	0.034
81	6.75	0.33	0.108	(0.489)	0.074	0.034
82	6.83	0.33	0.108	(0.486)	0.074	0.034
83	6.92	0.33	0.108	(0.484)	0.074	0.034
84	7.00	0.33	0.108	(0.482)	0.074	0.034
85	7.08	0.33	0.108	(0.480)	0.074	0.034
86	7.17	0.33	0.108	(0.478)	0.074	0.034
87	7.25	0.33	0.108	(0.475)	0.074	0.034
88	7.33	0.37	0.119	(0.473)	0.082	0.037
89	7.42	0.37	0.119	(0.471)	0.082	0.037
90	7.50	0.37	0.119	(0.469)	0.082	0.037
91	7.58	0.40	0.130	(0.467)	0.089	0.041
92	7.67	0.40	0.130	(0.465)	0.089	0.041
93	7.75	0.40	0.130	(0.463)	0.089	0.041
94	7.83	0.43	0.140	(0.460)	0.096	0.044
95	7.92	0.43	0.140	(0.458)	0.096	0.044
96	8.00	0.43	0.140	(0.456)	0.096	0.044
97	8.08	0.50	0.162	(0.454)	0.111	0.051
98	8.17	0.50	0.162	(0.452)	0.111	0.051
99	8.25	0.50	0.162	(0.450)	0.111	0.051
100	8.33	0.50	0.162	(0.448)	0.111	0.051
101	8.42	0.50	0.162	(0.446)	0.111	0.051
102	8.50	0.50	0.162	(0.444)	0.111	0.051
103	8.58	0.53	0.173	(0.441)	0.119	0.054

104	8.67	0.53	0.173	(0.439)	0.119	0.054
105	8.75	0.53	0.173	(0.437)	0.119	0.054
106	8.83	0.57	0.184	(0.435)	0.126	0.057
107	8.92	0.57	0.184	(0.433)	0.126	0.057
108	9.00	0.57	0.184	(0.431)	0.126	0.057
109	9.08	0.63	0.205	(0.429)	0.141	0.064
110	9.17	0.63	0.205	(0.427)	0.141	0.064
111	9.25	0.63	0.205	(0.425)	0.141	0.064
112	9.33	0.67	0.216	(0.423)	0.148	0.068
113	9.42	0.67	0.216	(0.421)	0.148	0.068
114	9.50	0.67	0.216	(0.419)	0.148	0.068
115	9.58	0.70	0.227	(0.417)	0.156	0.071
116	9.67	0.70	0.227	(0.415)	0.156	0.071
117	9.75	0.70	0.227	(0.413)	0.156	0.071
118	9.83	0.73	0.238	(0.411)	0.163	0.074
119	9.92	0.73	0.238	(0.409)	0.163	0.074
120	10.00	0.73	0.238	(0.407)	0.163	0.074
121	10.08	0.50	0.162	(0.405)	0.111	0.051
122	10.17	0.50	0.162	(0.403)	0.111	0.051
123	10.25	0.50	0.162	(0.401)	0.111	0.051
124	10.33	0.50	0.162	(0.399)	0.111	0.051
125	10.42	0.50	0.162	(0.397)	0.111	0.051
126	10.50	0.50	0.162	(0.395)	0.111	0.051
127	10.58	0.67	0.216	(0.393)	0.148	0.068
128	10.67	0.67	0.216	(0.391)	0.148	0.068
129	10.75	0.67	0.216	(0.390)	0.148	0.068
130	10.83	0.67	0.216	(0.388)	0.148	0.068
131	10.92	0.67	0.216	(0.386)	0.148	0.068
132	11.00	0.67	0.216	(0.384)	0.148	0.068
133	11.08	0.63	0.205	(0.382)	0.141	0.064
134	11.17	0.63	0.205	(0.380)	0.141	0.064
135	11.25	0.63	0.205	(0.378)	0.141	0.064
136	11.33	0.63	0.205	(0.376)	0.141	0.064
137	11.42	0.63	0.205	(0.374)	0.141	0.064
138	11.50	0.63	0.205	(0.373)	0.141	0.064
139	11.58	0.57	0.184	(0.371)	0.126	0.057
140	11.67	0.57	0.184	(0.369)	0.126	0.057
141	11.75	0.57	0.184	(0.367)	0.126	0.057
142	11.83	0.60	0.194	(0.365)	0.134	0.061
143	11.92	0.60	0.194	(0.363)	0.134	0.061
144	12.00	0.60	0.194	(0.362)	0.134	0.061
145	12.08	0.83	0.270	(0.360)	0.186	0.084
146	12.17	0.83	0.270	(0.358)	0.186	0.084
147	12.25	0.83	0.270	(0.356)	0.186	0.084
148	12.33	0.87	0.281	(0.354)	0.193	0.088
149	12.42	0.87	0.281	(0.353)	0.193	0.088
150	12.50	0.87	0.281	(0.351)	0.193	0.088
151	12.58	0.93	0.302	(0.349)	0.208	0.095
152	12.67	0.93	0.302	(0.347)	0.208	0.095
153	12.75	0.93	0.302	(0.346)	0.208	0.095
154	12.83	0.97	0.313	(0.344)	0.215	0.098
155	12.92	0.97	0.313	(0.342)	0.215	0.098
156	13.00	0.97	0.313	(0.340)	0.215	0.098
157	13.08	1.13	0.367	(0.339)	0.252	0.115
158	13.17	1.13	0.367	(0.337)	0.252	0.115
159	13.25	1.13	0.367	(0.335)	0.252	0.115
160	13.33	1.13	0.367	(0.333)	0.252	0.115
161	13.42	1.13	0.367	(0.332)	0.252	0.115
162	13.50	1.13	0.367	(0.330)	0.252	0.115
163	13.58	0.77	0.248	(0.328)	0.171	0.078
164	13.67	0.77	0.248	(0.327)	0.171	0.078
165	13.75	0.77	0.248	(0.325)	0.171	0.078
166	13.83	0.77	0.248	(0.323)	0.171	0.078
167	13.92	0.77	0.248	(0.322)	0.171	0.078
168	14.00	0.77	0.248	(0.320)	0.171	0.078
169	14.08	0.90	0.292	(0.319)	0.200	0.091
170	14.17	0.90	0.292	(0.317)	0.200	0.091

171	14.25	0.90	0.292	(0.315)	0.200	0.091
172	14.33	0.87	0.281	(0.314)	0.193	0.088
173	14.42	0.87	0.281	(0.312)	0.193	0.088
174	14.50	0.87	0.281	(0.310)	0.193	0.088
175	14.58	0.87	0.281	(0.309)	0.193	0.088
176	14.67	0.87	0.281	(0.307)	0.193	0.088
177	14.75	0.87	0.281	(0.306)	0.193	0.088
178	14.83	0.83	0.270	(0.304)	0.186	0.084
179	14.92	0.83	0.270	(0.303)	0.186	0.084
180	15.00	0.83	0.270	(0.301)	0.186	0.084
181	15.08	0.80	0.259	(0.299)	0.178	0.081
182	15.17	0.80	0.259	(0.298)	0.178	0.081
183	15.25	0.80	0.259	(0.296)	0.178	0.081
184	15.33	0.77	0.248	(0.295)	0.171	0.078
185	15.42	0.77	0.248	(0.293)	0.171	0.078
186	15.50	0.77	0.248	(0.292)	0.171	0.078
187	15.58	0.63	0.205	(0.290)	0.141	0.064
188	15.67	0.63	0.205	(0.289)	0.141	0.064
189	15.75	0.63	0.205	(0.287)	0.141	0.064
190	15.83	0.63	0.205	(0.286)	0.141	0.064
191	15.92	0.63	0.205	(0.284)	0.141	0.064
192	16.00	0.63	0.205	(0.283)	0.141	0.064
193	16.08	0.13	0.043	(0.282)	0.030	0.014
194	16.17	0.13	0.043	(0.280)	0.030	0.014
195	16.25	0.13	0.043	(0.279)	0.030	0.014
196	16.33	0.13	0.043	(0.277)	0.030	0.014
197	16.42	0.13	0.043	(0.276)	0.030	0.014
198	16.50	0.13	0.043	(0.274)	0.030	0.014
199	16.58	0.10	0.032	(0.273)	0.022	0.010
200	16.67	0.10	0.032	(0.272)	0.022	0.010
201	16.75	0.10	0.032	(0.270)	0.022	0.010
202	16.83	0.10	0.032	(0.269)	0.022	0.010
203	16.92	0.10	0.032	(0.268)	0.022	0.010
204	17.00	0.10	0.032	(0.266)	0.022	0.010
205	17.08	0.17	0.054	(0.265)	0.037	0.017
206	17.17	0.17	0.054	(0.264)	0.037	0.017
207	17.25	0.17	0.054	(0.262)	0.037	0.017
208	17.33	0.17	0.054	(0.261)	0.037	0.017
209	17.42	0.17	0.054	(0.260)	0.037	0.017
210	17.50	0.17	0.054	(0.258)	0.037	0.017
211	17.58	0.17	0.054	(0.257)	0.037	0.017
212	17.67	0.17	0.054	(0.256)	0.037	0.017
213	17.75	0.17	0.054	(0.254)	0.037	0.017
214	17.83	0.13	0.043	(0.253)	0.030	0.014
215	17.92	0.13	0.043	(0.252)	0.030	0.014
216	18.00	0.13	0.043	(0.251)	0.030	0.014
217	18.08	0.13	0.043	(0.249)	0.030	0.014
218	18.17	0.13	0.043	(0.248)	0.030	0.014
219	18.25	0.13	0.043	(0.247)	0.030	0.014
220	18.33	0.13	0.043	(0.246)	0.030	0.014
221	18.42	0.13	0.043	(0.245)	0.030	0.014
222	18.50	0.13	0.043	(0.243)	0.030	0.014
223	18.58	0.10	0.032	(0.242)	0.022	0.010
224	18.67	0.10	0.032	(0.241)	0.022	0.010
225	18.75	0.10	0.032	(0.240)	0.022	0.010
226	18.83	0.07	0.022	(0.239)	0.015	0.007
227	18.92	0.07	0.022	(0.238)	0.015	0.007
228	19.00	0.07	0.022	(0.237)	0.015	0.007
229	19.08	0.10	0.032	(0.235)	0.022	0.010
230	19.17	0.10	0.032	(0.234)	0.022	0.010
231	19.25	0.10	0.032	(0.233)	0.022	0.010
232	19.33	0.13	0.043	(0.232)	0.030	0.014
233	19.42	0.13	0.043	(0.231)	0.030	0.014
234	19.50	0.13	0.043	(0.230)	0.030	0.014
235	19.58	0.10	0.032	(0.229)	0.022	0.010
236	19.67	0.10	0.032	(0.228)	0.022	0.010
237	19.75	0.10	0.032	(0.227)	0.022	0.010

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238  19.83     0.07      0.022       (  0.226)       0.015        0.007
239  19.92     0.07      0.022       (  0.225)       0.015        0.007
240  20.00     0.07      0.022       (  0.224)       0.015        0.007
241  20.08     0.10      0.032       (  0.223)       0.022        0.010
242  20.17     0.10      0.032       (  0.222)       0.022        0.010
243  20.25     0.10      0.032       (  0.221)       0.022        0.010
244  20.33     0.10      0.032       (  0.220)       0.022        0.010
245  20.42     0.10      0.032       (  0.219)       0.022        0.010
246  20.50     0.10      0.032       (  0.218)       0.022        0.010
247  20.58     0.10      0.032       (  0.217)       0.022        0.010
248  20.67     0.10      0.032       (  0.216)       0.022        0.010
249  20.75     0.10      0.032       (  0.215)       0.022        0.010
250  20.83     0.07      0.022       (  0.214)       0.015        0.007
251  20.92     0.07      0.022       (  0.214)       0.015        0.007
252  21.00     0.07      0.022       (  0.213)       0.015        0.007
253  21.08     0.10      0.032       (  0.212)       0.022        0.010
254  21.17     0.10      0.032       (  0.211)       0.022        0.010
255  21.25     0.10      0.032       (  0.210)       0.022        0.010
256  21.33     0.07      0.022       (  0.209)       0.015        0.007
257  21.42     0.07      0.022       (  0.209)       0.015        0.007
258  21.50     0.07      0.022       (  0.208)       0.015        0.007
259  21.58     0.10      0.032       (  0.207)       0.022        0.010
260  21.67     0.10      0.032       (  0.206)       0.022        0.010
261  21.75     0.10      0.032       (  0.206)       0.022        0.010
262  21.83     0.07      0.022       (  0.205)       0.015        0.007
263  21.92     0.07      0.022       (  0.204)       0.015        0.007
264  22.00     0.07      0.022       (  0.203)       0.015        0.007
265  22.08     0.10      0.032       (  0.203)       0.022        0.010
266  22.17     0.10      0.032       (  0.202)       0.022        0.010
267  22.25     0.10      0.032       (  0.202)       0.022        0.010
268  22.33     0.07      0.022       (  0.201)       0.015        0.007
269  22.42     0.07      0.022       (  0.200)       0.015        0.007
270  22.50     0.07      0.022       (  0.200)       0.015        0.007
271  22.58     0.07      0.022       (  0.199)       0.015        0.007
272  22.67     0.07      0.022       (  0.199)       0.015        0.007
273  22.75     0.07      0.022       (  0.198)       0.015        0.007
274  22.83     0.07      0.022       (  0.197)       0.015        0.007
275  22.92     0.07      0.022       (  0.197)       0.015        0.007
276  23.00     0.07      0.022       (  0.197)       0.015        0.007
277  23.08     0.07      0.022       (  0.196)       0.015        0.007
278  23.17     0.07      0.022       (  0.196)       0.015        0.007
279  23.25     0.07      0.022       (  0.195)       0.015        0.007
280  23.33     0.07      0.022       (  0.195)       0.015        0.007
281  23.42     0.07      0.022       (  0.194)       0.015        0.007
282  23.50     0.07      0.022       (  0.194)       0.015        0.007
283  23.58     0.07      0.022       (  0.194)       0.015        0.007
284  23.67     0.07      0.022       (  0.193)       0.015        0.007
285  23.75     0.07      0.022       (  0.193)       0.015        0.007
286  23.83     0.07      0.022       (  0.193)       0.015        0.007
287  23.92     0.07      0.022       (  0.193)       0.015        0.007
288  24.00     0.07      0.022       (  0.193)       0.015        0.007
            (Loss Rate Not Used)
    Sum =     100.0                                    Sum =    10.1
     Flood volume = Effective rainfall      0.84(In)
      times area      51.4(Ac.)/[(In)/(Ft.)] =       3.6(Ac.Ft)
     Total soil loss =      1.86(In)
     Total soil loss =     7.951(Ac.Ft)
     Total rainfall =      2.70(In)
     Flood volume =      157655.8 Cubic Feet
     Total soil loss =      346359.0 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =      5.956(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        24 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
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Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0009	0.13	Q				
0+10	0.0029	0.29	VQ				
0+15	0.0051	0.33	VQ				
0+20	0.0079	0.41	VQ				
0+25	0.0113	0.50	VQ				
0+30	0.0149	0.51	V Q				
0+35	0.0184	0.52	V Q				
0+40	0.0221	0.53	V Q				
0+45	0.0257	0.53	V Q				
0+50	0.0297	0.59	V Q				
0+55	0.0344	0.67	V Q				
1+ 0	0.0391	0.69	V Q				
1+ 5	0.0435	0.63	V Q				
1+10	0.0473	0.56	V Q				
1+15	0.0510	0.54	V Q				
1+20	0.0546	0.53	V Q				
1+25	0.0583	0.53	V Q				
1+30	0.0619	0.53	V Q				
1+35	0.0655	0.53	V Q				
1+40	0.0691	0.53	V Q				
1+45	0.0727	0.53	V Q				
1+50	0.0768	0.59	V Q				
1+55	0.0814	0.67	V Q				
2+ 0	0.0862	0.69	V Q				
2+ 5	0.0910	0.70	|VQ				
2+10	0.0958	0.70	|VQ				
2+15	0.1006	0.70	|VQ				
2+20	0.1054	0.70	|VQ				
2+25	0.1103	0.70	|VQ				
2+30	0.1151	0.70	|VQ				
2+35	0.1203	0.77	|V Q				
2+40	0.1262	0.85	|V Q				
2+45	0.1321	0.86	|V Q				
2+50	0.1381	0.87	|V Q				
2+55	0.1442	0.88	|V Q				
3+ 0	0.1502	0.88	|V Q				
3+ 5	0.1562	0.88	|V Q				
3+10	0.1622	0.88	|V Q				
3+15	0.1683	0.88	|V Q				
3+20	0.1743	0.88	|V Q				
3+25	0.1803	0.88	|V Q				
3+30	0.1864	0.88	| VQ				
3+35	0.1924	0.88	| VQ				
3+40	0.1984	0.88	| VQ				
3+45	0.2045	0.88	| VQ				
3+50	0.2109	0.94	| VQ				
3+55	0.2180	1.02	| V Q				
4+ 0	0.2251	1.04	| V Q				
4+ 5	0.2323	1.05	| V Q				
4+10	0.2396	1.05	| V Q				
4+15	0.2468	1.05	| V Q				
4+20	0.2545	1.12	| V Q				
4+25	0.2627	1.20	| V Q				
4+30	0.2711	1.21	| V Q				
4+35	0.2795	1.22	| VQ				
4+40	0.2880	1.23	| VQ				
4+45	0.2964	1.23	| VQ				
4+50	0.3053	1.29	| V Q				
4+55	0.3147	1.37	| V Q				
5+ 0	0.3243	1.39	| V Q				
5+ 5	0.3330	1.27	| V Q				
5+10	0.3407	1.11	| VQ				

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 5+15      0.3481     1.08  |  VQ     |         |         |         |
 5+20      0.3558     1.12  |  VQ     |         |         |         |
 5+25      0.3641     1.20  |   Q     |         |         |         |
 5+30      0.3724     1.21  |   Q     |         |         |         |
 5+35      0.3813     1.29  |   VQ    |         |         |         |
 5+40      0.3907     1.37  |   VQ    |         |         |         |
 5+45      0.4003     1.39  |   VQ    |         |         |         |
 5+50      0.4099     1.40  |   VQ    |         |         |         |
 5+55      0.4196     1.40  |   VQ    |         |         |         |
 6+ 0      0.4292     1.40  |   VQ    |         |         |         |
 6+ 5      0.4393     1.47  |   VQ    |         |         |         |
 6+10      0.4500     1.55  |   V Q   |         |         |         |
 6+15      0.4607     1.56  |    VQ   |         |         |         |
 6+20      0.4716     1.57  |    VQ   |         |         |         |
 6+25      0.4824     1.58  |    VQ   |         |         |         |
 6+30      0.4933     1.58  |    VQ   |         |         |         |
 6+35      0.5046     1.64  |    VQ   |         |         |         |
 6+40      0.5164     1.72  |    VQ   |         |         |         |
 6+45      0.5284     1.74  |    VQ   |         |         |         |
 6+50      0.5404     1.75  |    VQ   |         |         |         |
 6+55      0.5525     1.75  |     VQ  |         |         |         |
 7+ 0      0.5646     1.75  |     VQ  |         |         |         |
 7+ 5      0.5766     1.75  |     VQ  |         |         |         |
 7+10      0.5887     1.75  |     VQ  |         |         |         |
 7+15      0.6008     1.75  |     VQ  |         |         |         |
 7+20      0.6133     1.82  |     VQ  |         |         |         |
 7+25      0.6263     1.90  |     VQ  |         |         |         |
 7+30      0.6395     1.91  |      Q  |         |         |         |
 7+35      0.6532     1.99  |      Q  |         |         |         |
 7+40      0.6675     2.07  |      VQ |         |         |         |
 7+45      0.6819     2.09  |      VQ |         |         |         |
 7+50      0.6968     2.16  |      VQ |         |         |         |
 7+55      0.7122     2.25  |      VQ |         |         |         |
 8+ 0      0.7278     2.26  |       VQ|         |         |         |
 8+ 5      0.7444     2.40  |       VQ|         |         |         |
 8+10      0.7620     2.57  |       V Q         |         |         |
 8+15      0.7800     2.60  |       V Q         |         |         |
 8+20      0.7980     2.62  |       V Q         |         |         |
 8+25      0.8161     2.63  |        VQ         |         |         |
 8+30      0.8342     2.63  |        VQ         |         |         |
 8+35      0.8527     2.69  |        VQ         |         |         |
 8+40      0.8718     2.77  |        V|Q        |         |         |
 8+45      0.8910     2.79  |        V|Q        |         |         |
 8+50      0.9108     2.86  |         VQ        |         |         |
 8+55      0.9311     2.95  |         VQ        |         |         |
 9+ 0      0.9515     2.97  |         VQ        |         |         |
 9+ 5      0.9728     3.10  |         V Q       |         |         |
 9+10      0.9954     3.27  |         |V Q      |         |         |
 9+15      1.0181     3.30  |         |V Q      |         |         |
 9+20      1.0414     3.38  |         |V Q      |         |         |
 9+25      1.0653     3.47  |         |V Q      |         |         |
 9+30      1.0894     3.49  |         | VQ      |         |         |
 9+35      1.1139     3.56  |         | V Q     |         |         |
 9+40      1.1390     3.65  |         | V Q     |         |         |
 9+45      1.1643     3.67  |         | V Q     |         |         |
 9+50      1.1900     3.74  |         |  VQ     |         |         |
 9+55      1.2164     3.82  |         |  V Q    |         |         |
10+ 0      1.2428     3.84  |         |  V Q    |         |         |
10+ 5      1.2662     3.40  |         |  Q      |         |         |
10+10      1.2858     2.84  |         |Q  V     |         |         |
10+15      1.3045     2.71  |         Q   V     |         |         |
10+20      1.3228     2.66  |         Q   V     |         |         |
10+25      1.3409     2.63  |         Q   V     |         |         |
10+30      1.3590     2.63  |         Q    V    |         |         |
10+35      1.3793     2.95  |         |Q   V    |         |         |
10+40      1.4024     3.35  |         |  Q V    |         |         |
10+45      1.4261     3.44  |         |  Q V    |         |         |
```

```
10+50       1.4501      3.48  |          |  Q  V   |          |          |
10+55       1.4742      3.50  |          |   Q V   |          |          |
11+ 0       1.4983      3.50  |          |   Q V   |          |          |
11+ 5       1.5220      3.44  |          |  Q  V   |          |          |
11+10       1.5451      3.36  |          |  Q   V  |          |          |
11+15       1.5681      3.34  |          |  Q   V  |          |          |
11+20       1.5911      3.33  |          |  Q   V  |          |          |
11+25       1.6140      3.33  |          |  Q   V  |          |          |
11+30       1.6369      3.33  |          |  Q    V |          |          |
11+35       1.6590      3.20  |          | Q     V |          |          |
11+40       1.6799      3.04  |          | Q     V |          |          |
11+45       1.7006      3.00  |          | Q     V |          |          |
11+50       1.7216      3.05  |          | Q      V|          |          |
11+55       1.7431      3.12  |          | Q      V|          |          |
12+ 0       1.7647      3.14  |          | Q      V|          |          |
12+ 5       1.7895      3.60  |          |   Q    V|          |          |
12+10       1.8182      4.17  |          |     Q   V          |          |
12+15       1.8478      4.29  |          |      Q  V          |          |
12+20       1.8782      4.41  |          |      Q  V          |          |
12+25       1.9093      4.52  |          |       Q |V         |          |
12+30       1.9406      4.54  |          |       Q |V         |          |
12+35       1.9728      4.68  |          |       Q |V         |          |
12+40       2.0062      4.84  |          |        Q| V        |          |
12+45       2.0398      4.88  |          |        Q| V        |          |
12+50       2.0740      4.96  |          |        Q| V        |          |
12+55       2.1087      5.05  |          |         Q  V       |          |
13+ 0       2.1436      5.07  |          |         Q  V       |          |
13+ 5       2.1808      5.40  |          |          Q  V      |          |
13+10       2.2208      5.80  |          |          |  QV     |          |
13+15       2.2614      5.89  |          |          |  QV     |          |
13+20       2.3022      5.93  |          |          |  Q V    |          |
13+25       2.3433      5.96  |          |          |  Q V    |          |
13+30       2.3843      5.96  |          |          |  Q  V   |          |
13+35       2.4204      5.25  |          |         Q     V    |          |
13+40       2.4505      4.36  |          |      Q  |      V   |          |
13+45       2.4791      4.16  |          |     Q   |      V   |          |
13+50       2.5072      4.08  |          |     Q   |      V   |          |
13+55       2.5350      4.03  |          |     Q   |       V  |          |
14+ 0       2.5627      4.03  |          |     Q   |       V  |          |
14+ 5       2.5923      4.29  |          |      Q  |       V  |          |
14+10       2.6240      4.61  |          |       Q |        V |          |
14+15       2.6562      4.68  |          |       Q |        V |          |
14+20       2.6882      4.65  |          |       Q |        V |          |
14+25       2.7198      4.58  |          |       Q |         V          |
14+30       2.7513      4.57  |          |       Q |         V          |
14+35       2.7827      4.56  |          |       Q |         V          |
14+40       2.8140      4.55  |          |       Q |         |V         |
14+45       2.8454      4.55  |          |       Q |         |V         |
14+50       2.8763      4.49  |          |      Q  |         |V         |
14+55       2.9067      4.41  |          |      Q  |         | V        |
15+ 0       2.9369      4.39  |          |      Q  |         | V        |
15+ 5       2.9667      4.32  |          |      Q  |         | V        |
15+10       2.9958      4.23  |          |     Q   |         |  V       |
15+15       3.0249      4.22  |          |     Q   |         |  V       |
15+20       3.0534      4.14  |          |     Q   |         |  V       |
15+25       3.0814      4.06  |          |     Q   |         |   V      |
15+30       3.1092      4.04  |          |     Q   |         |   V      |
15+35       3.1352      3.78  |          |    Q    |         |   V      |
15+40       3.1590      3.45  |          |  Q      |         |   V      |
15+45       3.1822      3.38  |          |  Q      |         |    V     |
15+50       3.2053      3.35  |          |  Q      |         |    V     |
15+55       3.2282      3.33  |          |  Q      |         |    V     |
16+ 0       3.2511      3.33  |          |  Q      |         |    V     |
16+ 5       3.2674      2.36  |        Q |         |         |     V    |
16+10       3.2754      1.16  |   Q      |         |         |     V    |
16+15       3.2815      0.89  |  Q       |         |         |     V    |
16+20       3.2868      0.77  |  Q       |         |         |     V    |
```

```
16+25       3.2916      0.70  | Q       |         |         |     V   |
16+30       3.2964      0.70  | Q       |         |         |     V   |
16+35       3.3008      0.64  | Q       |         |         |     V   |
16+40       3.3046      0.56  | Q       |         |         |     V   |
16+45       3.3083      0.54  | Q       |         |         |     V   |
16+50       3.3120      0.53  | Q       |         |         |     V   |
16+55       3.3156      0.53  | Q       |         |         |     V   |
17+ 0       3.3192      0.53  | Q       |         |         |     V   |
17+ 5       3.3237      0.65  | Q       |         |         |     V   |
17+10       3.3294      0.81  |  Q      |         |         |     V   |
17+15       3.3352      0.85  |  Q      |         |         |     V   |
17+20       3.3412      0.87  |  Q      |         |         |     V   |
17+25       3.3472      0.88  |  Q      |         |         |     V   |
17+30       3.3532      0.88  |  Q      |         |         |      V  |
17+35       3.3593      0.88  |  Q      |         |         |      V  |
17+40       3.3653      0.88  |  Q      |         |         |      V  |
17+45       3.3713      0.88  |  Q      |         |         |      V  |
17+50       3.3769      0.81  |  Q      |         |         |      V  |
17+55       3.3820      0.73  | Q       |         |         |      V  |
18+ 0       3.3869      0.71  | Q       |         |         |      V  |
18+ 5       3.3917      0.71  | Q       |         |         |      V  |
18+10       3.3966      0.70  | Q       |         |         |      V  |
18+15       3.4014      0.70  | Q       |         |         |      V  |
18+20       3.4062      0.70  | Q       |         |         |      V  |
18+25       3.4110      0.70  | Q       |         |         |      V  |
18+30       3.4159      0.70  | Q       |         |         |      V  |
18+35       3.4202      0.64  | Q       |         |         |      V  |
18+40       3.4241      0.56  | Q       |         |         |      V  |
18+45       3.4278      0.54  | Q       |         |         |      V  |
18+50       3.4310      0.47  |Q        |         |         |      V  |
18+55       3.4336      0.38  |Q        |         |         |      V  |
19+ 0       3.4361      0.36  |Q        |         |         |      V  |
19+ 5       3.4390      0.42  |Q        |         |         |       V |
19+10       3.4424      0.50  |Q        |         |         |       V |
19+15       3.4459      0.51  | Q       |         |         |       V |
19+20       3.4500      0.59  | Q       |         |         |       V |
19+25       3.4546      0.67  | Q       |         |         |       V |
19+30       3.4593      0.69  | Q       |         |         |       V |
19+35       3.4637      0.63  | Q       |         |         |       V |
19+40       3.4675      0.56  | Q       |         |         |       V |
19+45       3.4712      0.54  | Q       |         |         |       V |
19+50       3.4744      0.47  |Q        |         |         |       V |
19+55       3.4770      0.38  |Q        |         |         |       V |
20+ 0       3.4795      0.36  |Q        |         |         |       V |
20+ 5       3.4824      0.42  |Q        |         |         |       V |
20+10       3.4858      0.50  |Q        |         |         |       V |
20+15       3.4894      0.51  | Q       |         |         |       V |
20+20       3.4930      0.52  | Q       |         |         |       V |
20+25       3.4966      0.53  | Q       |         |         |       V |
20+30       3.5002      0.53  | Q       |         |         |       V |
20+35       3.5038      0.53  | Q       |         |         |       V |
20+40       3.5074      0.53  | Q       |         |         |       V |
20+45       3.5111      0.53  | Q       |         |         |       V |
20+50       3.5142      0.46  |Q        |         |         |       V |
20+55       3.5169      0.38  |Q        |         |         |       V |
21+ 0       3.5193      0.36  |Q        |         |         |       V |
21+ 5       3.5222      0.42  |Q        |         |         |       V |
21+10       3.5256      0.50  |Q        |         |         |       V |
21+15       3.5292      0.51  | Q       |         |         |        V|
21+20       3.5323      0.46  |Q        |         |         |        V|
21+25       3.5349      0.38  |Q        |         |         |        V|
21+30       3.5374      0.36  |Q        |         |         |        V|
21+35       3.5403      0.42  |Q        |         |         |        V|
21+40       3.5437      0.50  |Q        |         |         |        V|
21+45       3.5473      0.51  | Q       |         |         |        V|
21+50       3.5504      0.46  |Q        |         |         |        V|
21+55       3.5530      0.38  |Q        |         |         |        V|
```

22+ 0	3.5555	0.36	|Q	|	|	|	V|
22+ 5	3.5584	0.42	|Q	|	|	|	V|
22+10	3.5618	0.50	|Q	|	|	|	V|
22+15	3.5654	0.51	| Q	|	|	|	V|
22+20	3.5685	0.46	|Q	|	|	|	V|
22+25	3.5711	0.38	|Q	|	|	|	V|
22+30	3.5736	0.36	|Q	|	|	|	V|
22+35	3.5761	0.35	|Q	|	|	|	V|
22+40	3.5785	0.35	|Q	|	|	|	V|
22+45	3.5809	0.35	|Q	|	|	|	V|
22+50	3.5833	0.35	|Q	|	|	|	V|
22+55	3.5857	0.35	|Q	|	|	|	V|
23+ 0	3.5881	0.35	|Q	|	|	|	V|
23+ 5	3.5906	0.35	|Q	|	|	|	V|
23+10	3.5930	0.35	|Q	|	|	|	V|
23+15	3.5954	0.35	|Q	|	|	|	V|
23+20	3.5978	0.35	|Q	|	|	|	V|
23+25	3.6002	0.35	|Q	|	|	|	V|
23+30	3.6026	0.35	|Q	|	|	|	V|
23+35	3.6050	0.35	|Q	|	|	|	V|
23+40	3.6075	0.35	|Q	|	|	|	V|
23+45	3.6099	0.35	|Q	|	|	|	V|
23+50	3.6123	0.35	|Q	|	|	|	V|
23+55	3.6147	0.35	|Q	|	|	|	V|
24+ 0	3.6171	0.35	|Q	|	|	|	V|
24+ 5	3.6186	0.22	Q	|	|	|	V|
24+10	3.6190	0.06	Q	|	|	|	V|
24+15	3.6192	0.02	Q	|	|	|	V|
24+20	3.6193	0.01	Q	|	|	|	V|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/13/21 File: RVPRE110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN E- PROPOSED UNIT HYDROGRAPH
10YR-1HRS

Drainage Area = 51.43(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.43(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 2597.00(Ft.)
Length along longest watercourse measured to centroid = 1241.50(Ft.)
Length along longest watercourse = 0.492 Mi.
Length along longest watercourse measured to centroid = 0.235 Mi.
Difference in elevation = 208.00(Ft.)
Slope along watercourse = 422.8879 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.050 Hr.
Lag time = 3.02 Min.
25% of lag time = 0.75 Min.
40% of lag time = 1.21 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	0.55	28.29

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	1.30	66.86

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 0.859(In)
Areal adjustment factor = 99.95 %
Adjusted average point rain = 0.858(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.430	74.50	0.266

Total Area Entered = 51.43(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
     74.5  74.5      0.309     0.266        0.235       1.000      0.235
                                                        Sum (F) =   0.235
     Area averaged mean soil loss (F) (In/Hr) =  0.385
     Minimum soil loss rate ((In/Hr)) =  0.193
     (for 24 hour storm duration)
     Note: User entry of the f value
     Soil low loss rate (decimal) =   0.687
     ------------------------------------------------------------------
     Slope of intensity-duration curve for a 1 hour storm =0.5500
     ------------------------------------------------------------------

                 U n i t  H y d r o g r a p h
                        VALLEY S-Curve
     ------------------------------------------------------------------
                 Unit Hydrograph Data
     ------------------------------------------------------------------
     Unit time period   Time % of lag   Distribution   Unit Hydrograph
         (hrs)                           Graph %           (CFS)
     ------------------------------------------------------------------
         1   0.083        165.768         36.785            19.066
         2   0.167        331.537         45.833            23.756
         3   0.250        497.305         10.344             5.361
         4   0.333        663.074          4.398             2.279
         5   0.417        828.842          2.640             1.369
                                  Sum = 100.000   Sum=      51.832
-----------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

```
 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
  1   0.08     3.30      0.340       (  0.385)       0.234        0.106
  2   0.17     4.20      0.433       (  0.385)       0.297        0.135
  3   0.25     4.40      0.453       (  0.385)       0.311        0.142
  4   0.33     4.80      0.494       (  0.385)       0.340        0.155
  5   0.42     5.20      0.535       (  0.385)       0.368        0.168
  6   0.50     6.20      0.638          0.385    (  0.439)        0.253
  7   0.58     6.80      0.700          0.385    (  0.481)        0.315
  8   0.67     8.80      0.906          0.385    (  0.623)        0.521
  9   0.75    13.90      1.431          0.385    (  0.984)        1.046
 10   0.83    31.40      3.234          0.385    (  2.222)        2.848
 11   0.92     7.20      0.741          0.385    (  0.510)        0.356
 12   1.00     3.80      0.391       (  0.385)       0.269        0.122
           (Loss Rate Not Used)
    Sum =     100.0                                  Sum =     6.2
     Flood volume = Effective rainfall      0.51(In)
      times area      51.4(Ac.)/[(In)/(Ft.)] =       2.2(Ac.Ft)
     Total soil loss =      0.34(In)
     Total soil loss =     1.475(Ac.Ft)
     Total rainfall =      0.86(In)
     Flood volume =       95938.8 Cubic Feet
     Total soil loss =       64271.1 Cubic Feet
     ------------------------------------------------------------------
      Peak flow rate of this hydrograph =     83.051(CFS)
     ------------------------------------------------------------------
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                       1 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
     ------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0       22.5      45.0      67.5      90.0
 ------------------------------------------------------------------------
   0+ 5       0.0140      2.03  Q         |         |         |         |
```

```
    0+10       0.0491      5.11  V Q       |          |          |          |
    0+15       0.0938      6.49  |VQ       |          |          |          |
    0+20       0.1440      7.29  | VQ      |          |          |          |
    0+25       0.1997      8.08  |  Q      |          |          |          |
    0+30       0.2696     10.15  |   Q     |          |          |          |
    0+35       0.3623     13.47  |    QV   |          |          |          |
    0+40       0.4957     19.37  |       QV|          |          |          |
    0+45       0.7356     34.83  |         |  V Q     |          |          |
    0+50       1.3076     83.05  |         |          |  V       |     Q    |
    0+55       1.8703     81.72  |         |          |          |  V  Q    |
    1+ 0       2.0713     29.17  |         | Q        |          |     V    |
    1+ 5       2.1590     12.75  |    Q    |          |          |        V |
    1+10       2.1960      5.37  | Q       |          |          |        V |
    1+15       2.2013      0.77  Q         |          |          |        V |
    1+20       2.2025      0.17  Q         |          |          |         V
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/13/21 File: RVPRE310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN E- PROPOSED UNIT HYDROGRAPH
10YR-3HRS

Drainage Area = 51.43(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.43(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 2597.00(Ft.)
Length along longest watercourse measured to centroid = 1241.50(Ft.)
Length along longest watercourse = 0.492 Mi.
Length along longest watercourse measured to centroid = 0.235 Mi.
Difference in elevation = 208.00(Ft.)
Slope along watercourse = 422.8879 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.050 Hr.
Lag time = 3.02 Min.
25% of lag time = 0.75 Min.
40% of lag time = 1.21 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	1.10	56.57

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	2.00	102.86

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 1.470(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 1.470(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.430	74.50	0.266

Total Area Entered = 51.43(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

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AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
74.5  74.5      0.309     0.266        0.235       1.000      0.235
                                                  Sum (F) =   0.235
Area averaged mean soil loss (F) (In/Hr) =  0.385
Minimum soil loss rate ((In/Hr)) =  0.193
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) =   0.687
------------------------------------------------------------------------

            U n i t  H y d r o g r a p h
                   VALLEY S-Curve
------------------------------------------------------------------------
            Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
       1   0.083        165.768         36.785            19.066
       2   0.167        331.537         45.833            23.756
       3   0.250        497.305         10.344             5.361
       4   0.333        663.074          4.398             2.279
       5   0.417        828.842          2.640             1.369
                              Sum = 100.000   Sum=         51.832
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The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	1.30	0.229	(0.385)		0.158	0.072
2	0.17	1.30	0.229	(0.385)		0.158	0.072
3	0.25	1.10	0.194	(0.385)		0.133	0.061
4	0.33	1.50	0.265	(0.385)		0.182	0.083
5	0.42	1.50	0.265	(0.385)		0.182	0.083
6	0.50	1.80	0.318	(0.385)		0.218	0.099
7	0.58	1.50	0.265	(0.385)		0.182	0.083
8	0.67	1.80	0.318	(0.385)		0.218	0.099
9	0.75	1.80	0.318	(0.385)		0.218	0.099
10	0.83	1.50	0.265	(0.385)		0.182	0.083
11	0.92	1.60	0.282	(0.385)		0.194	0.088
12	1.00	1.80	0.318	(0.385)		0.218	0.099
13	1.08	2.20	0.388	(0.385)		0.267	0.121
14	1.17	2.20	0.388	(0.385)		0.267	0.121
15	1.25	2.20	0.388	(0.385)		0.267	0.121
16	1.33	2.00	0.353	(0.385)		0.242	0.110
17	1.42	2.60	0.459	(0.385)		0.315	0.143
18	1.50	2.70	0.476	(0.385)		0.327	0.149
19	1.58	2.40	0.423	(0.385)		0.291	0.132
20	1.67	2.70	0.476	(0.385)		0.327	0.149
21	1.75	3.30	0.582	0.385	(	0.400)	0.197
22	1.83	3.10	0.547	(0.385)		0.376	0.171
23	1.92	2.90	0.512	(0.385)		0.352	0.160
24	2.00	3.00	0.529	(0.385)		0.364	0.166
25	2.08	3.10	0.547	(0.385)		0.376	0.171
26	2.17	4.20	0.741	0.385	(	0.509)	0.355
27	2.25	5.00	0.882	0.385	(	0.606)	0.497
28	2.33	3.50	0.617	0.385	(	0.424)	0.232
29	2.42	6.80	1.199	0.385	(	0.824)	0.814
30	2.50	7.30	1.288	0.385	(	0.885)	0.902
31	2.58	8.20	1.446	0.385	(	0.994)	1.061
32	2.67	5.90	1.041	0.385	(	0.715)	0.655
33	2.75	2.00	0.353	(0.385)		0.242	0.110
34	2.83	1.80	0.318	(0.385)		0.218	0.099
35	2.92	1.80	0.318	(0.385)		0.218	0.099

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 36   3.00     0.60      0.106       (  0.385)       0.073        0.033
            (Loss Rate Not Used)
    Sum =     100.0                                    Sum =     7.8
      Flood volume = Effective rainfall      0.65(In)
       times area      51.4(Ac.)/[(In)/(Ft.)] =       2.8(Ac.Ft)
      Total soil loss =      0.82(In)
      Total soil loss =     3.517(Ac.Ft)
      Total rainfall =      1.47(In)
      Flood volume =      121225.4 Cubic Feet
      Total soil loss =      153198.4 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =     47.261(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          3 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0       12.5      25.0      37.5      50.0
 ----------------------------------------------------------------------------
   0+ 5       0.0094      1.37  VQ        |         |         |         |
   0+10       0.0306      3.07  V Q       |         |         |         |
   0+15       0.0530      3.25  V Q       |         |         |         |
   0+20       0.0775      3.57  |VQ       |         |         |         |
   0+25       0.1060      4.13  |V Q      |         |         |         |
   0+30       0.1373      4.54  |V Q      |         |         |         |
   0+35       0.1693      4.66  | VQ      |         |         |         |
   0+40       0.2017      4.70  | VQ      |         |         |         |
   0+45       0.2364      5.04  |  VQ     |         |         |         |
   0+50       0.2694      4.80  |  Q      |         |         |         |
   0+55       0.3006      4.52  |  QV     |         |         |         |
   1+ 0       0.3336      4.80  |  QV     |         |         |         |
   1+ 5       0.3713      5.47  |   QV    |         |         |         |
   1+10       0.4130      6.05  |   QV    |         |         |         |
   1+15       0.4557      6.20  |   Q V   |         |         |         |
   1+20       0.4974      6.05  |   Q  V  |         |         |         |
   1+25       0.5418      6.45  |    Q V  |         |         |         |
   1+30       0.5920      7.29  |    Q  V |         |         |         |
   1+35       0.6420      7.25  |    Q   V|         |         |         |
   1+40       0.6920      7.27  |    Q   V|         |         |         |
   1+45       0.7508      8.54  |     Q   V         |         |         |
   1+50       0.8145      9.24  |      Q  |V        |         |         |
   1+55       0.8744      8.69  |     Q   | V       |         |         |
   2+ 0       0.9331      8.53  |     Q   |  V      |         |         |
   2+ 5       0.9931      8.71  |     Q   |   V     |         |         |
   2+10       1.0781     12.33  |        Q|    V    |         |         |
   2+15       1.2119     19.43  |         |    Q V  |         |         |
   2+20       1.3411     18.75  |         |    Q   V|         |         |
   2+25       1.5115     24.75  |         |        Q|V        |         |
   2+30       1.7830     39.42  |         |         |    V    |Q        |
   2+35       2.1085     47.26  |         |         |         V       Q  |
   2+40       2.4166     44.73  |         |         |         |   VQ      |
   2+45       2.5994     26.54  |         |         |Q        |      V  |
   2+50       2.6799     11.69  |         Q|        |         |       V |
   2+55       2.7336      7.79  |     Q   |         |         |         V|
   3+ 0       2.7658      4.67  |  Q      |         |         |         V|
   3+ 5       2.7775      1.70  |Q        |         |         |         V|
   3+10       2.7812      0.54  Q         |         |         |         V|
   3+15       2.7826      0.21  Q         |         |         |         V|
   3+20       2.7830      0.05  Q         |         |         |          V
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/13/21 File: RVPRE610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN E- PROPOSED UNIT HYDROGRAPH
10YR-6HRS

Drainage Area = 51.43(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.43(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 2597.00(Ft.)
Length along longest watercourse measured to centroid = 1241.50(Ft.)
Length along longest watercourse = 0.492 Mi.
Length along longest watercourse measured to centroid = 0.235 Mi.
Difference in elevation = 208.00(Ft.)
Slope along watercourse = 422.8879 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.050 Hr.
Lag time = 3.02 Min.
25% of lag time = 0.75 Min.
40% of lag time = 1.21 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	1.60	82.29

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	3.00	154.29

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 2.176(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.176(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.430	74.50	0.266

Total Area Entered = 51.43(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

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      74.5  74.5      0.309     0.266        0.235       1.000      0.235
                                                        Sum (F) =   0.235
      Area averaged mean soil loss (F) (In/Hr) =  0.385
      Minimum soil loss rate ((In/Hr)) =  0.193
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.687
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------------
              1   0.083        165.768         36.785            19.066
              2   0.167        331.537         45.833            23.756
              3   0.250        497.305         10.344             5.361
              4   0.333        663.074          4.398             2.279
              5   0.417        828.842          2.640             1.369
                                      Sum = 100.000   Sum=      51.832
------------------------------------------------------------------------
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The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.131	(0.385)	0.090	0.041
2	0.17	0.60	0.157	(0.385)	0.108	0.049
3	0.25	0.60	0.157	(0.385)	0.108	0.049
4	0.33	0.60	0.157	(0.385)	0.108	0.049
5	0.42	0.60	0.157	(0.385)	0.108	0.049
6	0.50	0.70	0.183	(0.385)	0.126	0.057
7	0.58	0.70	0.183	(0.385)	0.126	0.057
8	0.67	0.70	0.183	(0.385)	0.126	0.057
9	0.75	0.70	0.183	(0.385)	0.126	0.057
10	0.83	0.70	0.183	(0.385)	0.126	0.057
11	0.92	0.70	0.183	(0.385)	0.126	0.057
12	1.00	0.80	0.209	(0.385)	0.144	0.065
13	1.08	0.80	0.209	(0.385)	0.144	0.065
14	1.17	0.80	0.209	(0.385)	0.144	0.065
15	1.25	0.80	0.209	(0.385)	0.144	0.065
16	1.33	0.80	0.209	(0.385)	0.144	0.065
17	1.42	0.80	0.209	(0.385)	0.144	0.065
18	1.50	0.80	0.209	(0.385)	0.144	0.065
19	1.58	0.80	0.209	(0.385)	0.144	0.065
20	1.67	0.80	0.209	(0.385)	0.144	0.065
21	1.75	0.80	0.209	(0.385)	0.144	0.065
22	1.83	0.80	0.209	(0.385)	0.144	0.065
23	1.92	0.80	0.209	(0.385)	0.144	0.065
24	2.00	0.90	0.235	(0.385)	0.161	0.073
25	2.08	0.80	0.209	(0.385)	0.144	0.065
26	2.17	0.90	0.235	(0.385)	0.161	0.073
27	2.25	0.90	0.235	(0.385)	0.161	0.073
28	2.33	0.90	0.235	(0.385)	0.161	0.073
29	2.42	0.90	0.235	(0.385)	0.161	0.073
30	2.50	0.90	0.235	(0.385)	0.161	0.073
31	2.58	0.90	0.235	(0.385)	0.161	0.073
32	2.67	0.90	0.235	(0.385)	0.161	0.073
33	2.75	1.00	0.261	(0.385)	0.179	0.082
34	2.83	1.00	0.261	(0.385)	0.179	0.082
35	2.92	1.00	0.261	(0.385)	0.179	0.082
36	3.00	1.00	0.261	(0.385)	0.179	0.082

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37   3.08     1.00      0.261       (  0.385)       0.179        0.082
38   3.17     1.10      0.287       (  0.385)       0.197        0.090
39   3.25     1.10      0.287       (  0.385)       0.197        0.090
40   3.33     1.10      0.287       (  0.385)       0.197        0.090
41   3.42     1.20      0.313       (  0.385)       0.215        0.098
42   3.50     1.30      0.339       (  0.385)       0.233        0.106
43   3.58     1.40      0.365       (  0.385)       0.251        0.114
44   3.67     1.40      0.365       (  0.385)       0.251        0.114
45   3.75     1.50      0.392       (  0.385)       0.269        0.122
46   3.83     1.50      0.392       (  0.385)       0.269        0.122
47   3.92     1.60      0.418       (  0.385)       0.287        0.131
48   4.00     1.60      0.418       (  0.385)       0.287        0.131
49   4.08     1.70      0.444       (  0.385)       0.305        0.139
50   4.17     1.80      0.470       (  0.385)       0.323        0.147
51   4.25     1.90      0.496       (  0.385)       0.341        0.155
52   4.33     2.00      0.522       (  0.385)       0.359        0.163
53   4.42     2.10      0.548       (  0.385)       0.377        0.171
54   4.50     2.10      0.548       (  0.385)       0.377        0.171
55   4.58     2.20      0.574          0.385    (  0.395)        0.189
56   4.67     2.30      0.600          0.385    (  0.413)        0.215
57   4.75     2.40      0.627          0.385    (  0.431)        0.241
58   4.83     2.40      0.627          0.385    (  0.431)        0.241
59   4.92     2.50      0.653          0.385    (  0.449)        0.267
60   5.00     2.60      0.679          0.385    (  0.466)        0.293
61   5.08     3.10      0.809          0.385    (  0.556)        0.424
62   5.17     3.60      0.940          0.385    (  0.646)        0.554
63   5.25     3.90      1.018          0.385    (  0.700)        0.633
64   5.33     4.20      1.096          0.385    (  0.754)        0.711
65   5.42     4.70      1.227          0.385    (  0.843)        0.842
66   5.50     5.60      1.462          0.385    (  1.005)        1.077
67   5.58     1.90      0.496       (  0.385)       0.341        0.155
68   5.67     0.90      0.235       (  0.385)       0.161        0.073
69   5.75     0.60      0.157       (  0.385)       0.108        0.049
70   5.83     0.50      0.131       (  0.385)       0.090        0.041
71   5.92     0.30      0.078       (  0.385)       0.054        0.024
72   6.00     0.20      0.052       (  0.385)       0.036        0.016
          (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    10.6
    Flood volume = Effective rainfall      0.89(In)
     times area      51.4(Ac.)/[(In)/(Ft.)] =       3.8(Ac.Ft)
    Total soil loss =      1.29(In)
    Total soil loss =     5.528(Ac.Ft)
    Total rainfall =      2.18(In)
    Flood volume =      165345.1 Cubic Feet
    Total soil loss =      240817.2 Cubic Feet
    ---------------------------------------------------------------------
     Peak flow rate of this hydrograph =     46.558(CFS)
    ---------------------------------------------------------------------
    +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                       6 - H O U R    S T O R M
                  R u n o f f      H y d r o g r a p h
    ---------------------------------------------------------------------
               Hydrograph in   5   Minute intervals ((CFS))

    ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       12.5      25.0      37.5      50.0
-------------------------------------------------------------------------
  0+ 5       0.0054      0.78  Q         |         |         |         |
  0+10       0.0185      1.91  VQ        |         |         |         |
  0+15       0.0345      2.32  VQ        |         |         |         |
  0+20       0.0514      2.46  VQ        |         |         |         |
  0+25       0.0688      2.53  V Q       |         |         |         |
  0+30       0.0874      2.70  V Q       |         |         |         |
  0+35       0.1073      2.89  |VQ       |         |         |         |
  0+40       0.1275      2.93  |VQ       |         |         |         |
  0+45       0.1478      2.95  |VQ       |         |         |         |
  0+50       0.1682      2.96  |VQ       |         |         |         |
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   0+55      0.1886     2.96  |VQ       |         |         |         |
   1+ 0      0.2101     3.12  | Q       |         |         |         |
   1+ 5      0.2330     3.31  | Q       |         |         |         |
   1+10      0.2561     3.36  | Q       |         |         |         |
   1+15      0.2793     3.38  | Q       |         |         |         |
   1+20      0.3027     3.39  | QV      |         |         |         |
   1+25      0.3260     3.39  | QV      |         |         |         |
   1+30      0.3493     3.39  | QV      |         |         |         |
   1+35      0.3727     3.39  | QV      |         |         |         |
   1+40      0.3960     3.39  | Q V     |         |         |         |
   1+45      0.4193     3.39  | Q V     |         |         |         |
   1+50      0.4427     3.39  | Q V     |         |         |         |
   1+55      0.4660     3.39  | Q V     |         |         |         |
   2+ 0      0.4904     3.54  | Q  V    |         |         |         |
   2+ 5      0.5151     3.58  | Q  V    |         |         |         |
   2+10      0.5398     3.59  | Q  V    |         |         |         |
   2+15      0.5657     3.76  |  Q V    |         |         |         |
   2+20      0.5918     3.79  |  Q  V   |         |         |         |
   2+25      0.6180     3.80  |  Q  V   |         |         |         |
   2+30      0.6442     3.81  |  Q  V   |         |         |         |
   2+35      0.6705     3.81  |  Q   V  |         |         |         |
   2+40      0.6967     3.81  |  Q   V  |         |         |         |
   2+45      0.7240     3.97  |  Q   V  |         |         |         |
   2+50      0.7527     4.16  |  Q   V  |         |         |         |
   2+55      0.7816     4.21  |  Q    V |         |         |         |
   3+ 0      0.8107     4.22  |  Q    V |         |         |         |
   3+ 5      0.8399     4.23  |  Q    V |         |         |         |
   3+10      0.8701     4.39  |  Q     V|         |         |         |
   3+15      0.9017     4.58  |  Q     V|         |         |         |
   3+20      0.9336     4.63  |  Q     V|         |         |         |
   3+25      0.9667     4.80  |  Q      V         |         |         |
   3+30      1.0022     5.16  |   Q     V         |         |         |
   3+35      1.0405     5.56  |   Q     V         |         |         |
   3+40      1.0806     5.81  |   Q     |V        |         |         |
   3+45      1.1222     6.04  |   Q     |V        |         |         |
   3+50      1.1653     6.27  |    Q    | V       |         |         |
   3+55      1.2100     6.48  |    Q    | V       |         |         |
   4+ 0      1.2560     6.69  |    Q    |  V      |         |         |
   4+ 5      1.3036     6.90  |    Q    |  V      |         |         |
   4+10      1.3537     7.27  |    Q    |   V     |         |         |
   4+15      1.4065     7.68  |     Q   |   V     |         |         |
   4+20      1.4622     8.09  |     Q   |    V    |         |         |
   4+25      1.5208     8.51  |     Q   |     V   |         |         |
   4+30      1.5813     8.78  |      Q  |     V   |         |         |
   4+35      1.6445     9.19  |      Q  |      V  |         |         |
   4+40      1.7143    10.13  |       Q |       V |         |         |
   4+45      1.7925    11.35  |        Q|       V |         |         |
   4+50      1.8762    12.15  |        Q|        V|         |         |
   4+55      1.9648    12.87  |         Q         V         |         |
   5+ 0      2.0618    14.09  |         |Q        |V        |         |
   5+ 5      2.1815    17.37  |         |  Q      | V       |         |
   5+10      2.3410    23.17  |         |       Q |   V     |         |
   5+15      2.5377    28.56  |         |         | Q   V   |         |
   5+20      2.7646    32.95  |         |         |     Q  V|         |
   5+25      3.0277    38.20  |         |         |         QV        |
   5+30      3.3483    46.56  |         |         |          |    V Q  |
   5+35      3.5932    35.55  |         |         |       Q  |      V  |
   5+40      3.6879    13.76  |         |Q        |          |       V |
   5+45      3.7370     7.12  |    Q    |         |          |        V|
   5+50      3.7656     4.17  |  Q      |         |          |        V|
   5+55      3.7800     2.08  |Q        |         |          |        V|
   6+ 0      3.7891     1.33  |Q        |         |          |        V|
   6+ 5      3.7938     0.68  Q         |         |          |        V|
   6+10      3.7952     0.20  Q         |         |          |        V|
   6+15      3.7956     0.07  Q         |         |          |        V|
   6+20      3.7958     0.02  Q         |         |          |        V|
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/13/21 File: RVPRE2410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN E- PROPOSED UNIT HYDROGRAPH
10YR-24HRS

Drainage Area = 51.43(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.43(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 2597.00(Ft.)
Length along longest watercourse measured to centroid = 1241.50(Ft.)
Length along longest watercourse = 0.492 Mi.
Length along longest watercourse measured to centroid = 0.235 Mi.
Difference in elevation = 208.00(Ft.)
Slope along watercourse = 422.8879 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.050 Hr.
Lag time = 3.02 Min.
25% of lag time = 0.75 Min.
40% of lag time = 1.21 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	2.70	138.86

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	7.00	360.01

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 4.469(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 4.469(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.430	74.50	0.266

Total Area Entered = 51.43(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      74.5  74.5      0.309     0.266        0.235       1.000      0.235
                                                        Sum (F) =   0.235
      Area averaged mean soil loss (F) (In/Hr) =  0.385
      Minimum soil loss rate ((In/Hr)) =  0.193
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.687
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------------
              1   0.083        165.768         36.785             19.066
              2   0.167        331.537         45.833             23.756
              3   0.250        497.305         10.344              5.361
              4   0.333        663.074          4.398              2.279
              5   0.417        828.842          2.640              1.369
                                      Sum = 100.000   Sum=         51.832
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The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.036	(0.683)	0.025	0.011
2	0.17	0.07	0.036	(0.681)	0.025	0.011
3	0.25	0.07	0.036	(0.678)	0.025	0.011
4	0.33	0.10	0.054	(0.675)	0.037	0.017
5	0.42	0.10	0.054	(0.673)	0.037	0.017
6	0.50	0.10	0.054	(0.670)	0.037	0.017
7	0.58	0.10	0.054	(0.667)	0.037	0.017
8	0.67	0.10	0.054	(0.665)	0.037	0.017
9	0.75	0.10	0.054	(0.662)	0.037	0.017
10	0.83	0.13	0.071	(0.660)	0.049	0.022
11	0.92	0.13	0.071	(0.657)	0.049	0.022
12	1.00	0.13	0.071	(0.654)	0.049	0.022
13	1.08	0.10	0.054	(0.652)	0.037	0.017
14	1.17	0.10	0.054	(0.649)	0.037	0.017
15	1.25	0.10	0.054	(0.647)	0.037	0.017
16	1.33	0.10	0.054	(0.644)	0.037	0.017
17	1.42	0.10	0.054	(0.642)	0.037	0.017
18	1.50	0.10	0.054	(0.639)	0.037	0.017
19	1.58	0.10	0.054	(0.636)	0.037	0.017
20	1.67	0.10	0.054	(0.634)	0.037	0.017
21	1.75	0.10	0.054	(0.631)	0.037	0.017
22	1.83	0.13	0.071	(0.629)	0.049	0.022
23	1.92	0.13	0.071	(0.626)	0.049	0.022
24	2.00	0.13	0.071	(0.624)	0.049	0.022
25	2.08	0.13	0.071	(0.621)	0.049	0.022
26	2.17	0.13	0.071	(0.619)	0.049	0.022
27	2.25	0.13	0.071	(0.616)	0.049	0.022
28	2.33	0.13	0.071	(0.614)	0.049	0.022
29	2.42	0.13	0.071	(0.611)	0.049	0.022
30	2.50	0.13	0.071	(0.609)	0.049	0.022
31	2.58	0.17	0.089	(0.606)	0.061	0.028
32	2.67	0.17	0.089	(0.604)	0.061	0.028
33	2.75	0.17	0.089	(0.601)	0.061	0.028
34	2.83	0.17	0.089	(0.599)	0.061	0.028
35	2.92	0.17	0.089	(0.596)	0.061	0.028
36	3.00	0.17	0.089	(0.594)	0.061	0.028

37	3.08	0.17	0.089	(0.591)	0.061	0.028
38	3.17	0.17	0.089	(0.589)	0.061	0.028
39	3.25	0.17	0.089	(0.586)	0.061	0.028
40	3.33	0.17	0.089	(0.584)	0.061	0.028
41	3.42	0.17	0.089	(0.582)	0.061	0.028
42	3.50	0.17	0.089	(0.579)	0.061	0.028
43	3.58	0.17	0.089	(0.577)	0.061	0.028
44	3.67	0.17	0.089	(0.574)	0.061	0.028
45	3.75	0.17	0.089	(0.572)	0.061	0.028
46	3.83	0.20	0.107	(0.569)	0.074	0.034
47	3.92	0.20	0.107	(0.567)	0.074	0.034
48	4.00	0.20	0.107	(0.565)	0.074	0.034
49	4.08	0.20	0.107	(0.562)	0.074	0.034
50	4.17	0.20	0.107	(0.560)	0.074	0.034
51	4.25	0.20	0.107	(0.558)	0.074	0.034
52	4.33	0.23	0.125	(0.555)	0.086	0.039
53	4.42	0.23	0.125	(0.553)	0.086	0.039
54	4.50	0.23	0.125	(0.550)	0.086	0.039
55	4.58	0.23	0.125	(0.548)	0.086	0.039
56	4.67	0.23	0.125	(0.546)	0.086	0.039
57	4.75	0.23	0.125	(0.543)	0.086	0.039
58	4.83	0.27	0.143	(0.541)	0.098	0.045
59	4.92	0.27	0.143	(0.539)	0.098	0.045
60	5.00	0.27	0.143	(0.536)	0.098	0.045
61	5.08	0.20	0.107	(0.534)	0.074	0.034
62	5.17	0.20	0.107	(0.532)	0.074	0.034
63	5.25	0.20	0.107	(0.529)	0.074	0.034
64	5.33	0.23	0.125	(0.527)	0.086	0.039
65	5.42	0.23	0.125	(0.525)	0.086	0.039
66	5.50	0.23	0.125	(0.522)	0.086	0.039
67	5.58	0.27	0.143	(0.520)	0.098	0.045
68	5.67	0.27	0.143	(0.518)	0.098	0.045
69	5.75	0.27	0.143	(0.516)	0.098	0.045
70	5.83	0.27	0.143	(0.513)	0.098	0.045
71	5.92	0.27	0.143	(0.511)	0.098	0.045
72	6.00	0.27	0.143	(0.509)	0.098	0.045
73	6.08	0.30	0.161	(0.506)	0.111	0.050
74	6.17	0.30	0.161	(0.504)	0.111	0.050
75	6.25	0.30	0.161	(0.502)	0.111	0.050
76	6.33	0.30	0.161	(0.500)	0.111	0.050
77	6.42	0.30	0.161	(0.497)	0.111	0.050
78	6.50	0.30	0.161	(0.495)	0.111	0.050
79	6.58	0.33	0.179	(0.493)	0.123	0.056
80	6.67	0.33	0.179	(0.491)	0.123	0.056
81	6.75	0.33	0.179	(0.489)	0.123	0.056
82	6.83	0.33	0.179	(0.486)	0.123	0.056
83	6.92	0.33	0.179	(0.484)	0.123	0.056
84	7.00	0.33	0.179	(0.482)	0.123	0.056
85	7.08	0.33	0.179	(0.480)	0.123	0.056
86	7.17	0.33	0.179	(0.478)	0.123	0.056
87	7.25	0.33	0.179	(0.475)	0.123	0.056
88	7.33	0.37	0.197	(0.473)	0.135	0.062
89	7.42	0.37	0.197	(0.471)	0.135	0.062
90	7.50	0.37	0.197	(0.469)	0.135	0.062
91	7.58	0.40	0.214	(0.467)	0.147	0.067
92	7.67	0.40	0.214	(0.465)	0.147	0.067
93	7.75	0.40	0.214	(0.463)	0.147	0.067
94	7.83	0.43	0.232	(0.460)	0.160	0.073
95	7.92	0.43	0.232	(0.458)	0.160	0.073
96	8.00	0.43	0.232	(0.456)	0.160	0.073
97	8.08	0.50	0.268	(0.454)	0.184	0.084
98	8.17	0.50	0.268	(0.452)	0.184	0.084
99	8.25	0.50	0.268	(0.450)	0.184	0.084
100	8.33	0.50	0.268	(0.448)	0.184	0.084
101	8.42	0.50	0.268	(0.446)	0.184	0.084
102	8.50	0.50	0.268	(0.444)	0.184	0.084
103	8.58	0.53	0.286	(0.441)	0.197	0.089

104	8.67	0.53	0.286	(0.439)	0.197	0.089
105	8.75	0.53	0.286	(0.437)	0.197	0.089
106	8.83	0.57	0.304	(0.435)	0.209	0.095
107	8.92	0.57	0.304	(0.433)	0.209	0.095
108	9.00	0.57	0.304	(0.431)	0.209	0.095
109	9.08	0.63	0.340	(0.429)	0.233	0.106
110	9.17	0.63	0.340	(0.427)	0.233	0.106
111	9.25	0.63	0.340	(0.425)	0.233	0.106
112	9.33	0.67	0.357	(0.423)	0.246	0.112
113	9.42	0.67	0.357	(0.421)	0.246	0.112
114	9.50	0.67	0.357	(0.419)	0.246	0.112
115	9.58	0.70	0.375	(0.417)	0.258	0.117
116	9.67	0.70	0.375	(0.415)	0.258	0.117
117	9.75	0.70	0.375	(0.413)	0.258	0.117
118	9.83	0.73	0.393	(0.411)	0.270	0.123
119	9.92	0.73	0.393	(0.409)	0.270	0.123
120	10.00	0.73	0.393	(0.407)	0.270	0.123
121	10.08	0.50	0.268	(0.405)	0.184	0.084
122	10.17	0.50	0.268	(0.403)	0.184	0.084
123	10.25	0.50	0.268	(0.401)	0.184	0.084
124	10.33	0.50	0.268	(0.399)	0.184	0.084
125	10.42	0.50	0.268	(0.397)	0.184	0.084
126	10.50	0.50	0.268	(0.395)	0.184	0.084
127	10.58	0.67	0.357	(0.393)	0.246	0.112
128	10.67	0.67	0.357	(0.391)	0.246	0.112
129	10.75	0.67	0.357	(0.390)	0.246	0.112
130	10.83	0.67	0.357	(0.388)	0.246	0.112
131	10.92	0.67	0.357	(0.386)	0.246	0.112
132	11.00	0.67	0.357	(0.384)	0.246	0.112
133	11.08	0.63	0.340	(0.382)	0.233	0.106
134	11.17	0.63	0.340	(0.380)	0.233	0.106
135	11.25	0.63	0.340	(0.378)	0.233	0.106
136	11.33	0.63	0.340	(0.376)	0.233	0.106
137	11.42	0.63	0.340	(0.374)	0.233	0.106
138	11.50	0.63	0.340	(0.373)	0.233	0.106
139	11.58	0.57	0.304	(0.371)	0.209	0.095
140	11.67	0.57	0.304	(0.369)	0.209	0.095
141	11.75	0.57	0.304	(0.367)	0.209	0.095
142	11.83	0.60	0.322	(0.365)	0.221	0.101
143	11.92	0.60	0.322	(0.363)	0.221	0.101
144	12.00	0.60	0.322	(0.362)	0.221	0.101
145	12.08	0.83	0.447	(0.360)	0.307	0.140
146	12.17	0.83	0.447	(0.358)	0.307	0.140
147	12.25	0.83	0.447	(0.356)	0.307	0.140
148	12.33	0.87	0.465	(0.354)	0.319	0.145
149	12.42	0.87	0.465	(0.353)	0.319	0.145
150	12.50	0.87	0.465	(0.351)	0.319	0.145
151	12.58	0.93	0.500	(0.349)	0.344	0.157
152	12.67	0.93	0.500	(0.347)	0.344	0.157
153	12.75	0.93	0.500	(0.346)	0.344	0.157
154	12.83	0.97	0.518	0.344	(0.356)	0.175
155	12.92	0.97	0.518	0.342	(0.356)	0.176
156	13.00	0.97	0.518	0.340	(0.356)	0.178
157	13.08	1.13	0.608	0.339	(0.418)	0.269
158	13.17	1.13	0.608	0.337	(0.418)	0.271
159	13.25	1.13	0.608	0.335	(0.418)	0.273
160	13.33	1.13	0.608	0.333	(0.418)	0.274
161	13.42	1.13	0.608	0.332	(0.418)	0.276
162	13.50	1.13	0.608	0.330	(0.418)	0.278
163	13.58	0.77	0.411	(0.328)	0.283	0.129
164	13.67	0.77	0.411	(0.327)	0.283	0.129
165	13.75	0.77	0.411	(0.325)	0.283	0.129
166	13.83	0.77	0.411	(0.323)	0.283	0.129
167	13.92	0.77	0.411	(0.322)	0.283	0.129
168	14.00	0.77	0.411	(0.320)	0.283	0.129
169	14.08	0.90	0.483	0.319	(0.332)	0.164
170	14.17	0.90	0.483	0.317	(0.332)	0.166

171	14.25	0.90	0.483	0.315	(0.332)	0.167
172	14.33	0.87	0.465	0.314	(0.319)	0.151
173	14.42	0.87	0.465	0.312	(0.319)	0.153
174	14.50	0.87	0.465	0.310	(0.319)	0.154
175	14.58	0.87	0.465	0.309	(0.319)	0.156
176	14.67	0.87	0.465	0.307	(0.319)	0.157
177	14.75	0.87	0.465	0.306	(0.319)	0.159
178	14.83	0.83	0.447	0.304	(0.307)	0.143
179	14.92	0.83	0.447	0.303	(0.307)	0.144
180	15.00	0.83	0.447	0.301	(0.307)	0.146
181	15.08	0.80	0.429	(0.299)	0.295	0.134
182	15.17	0.80	0.429	(0.298)	0.295	0.134
183	15.25	0.80	0.429	(0.296)	0.295	0.134
184	15.33	0.77	0.411	(0.295)	0.283	0.129
185	15.42	0.77	0.411	(0.293)	0.283	0.129
186	15.50	0.77	0.411	(0.292)	0.283	0.129
187	15.58	0.63	0.340	(0.290)	0.233	0.106
188	15.67	0.63	0.340	(0.289)	0.233	0.106
189	15.75	0.63	0.340	(0.287)	0.233	0.106
190	15.83	0.63	0.340	(0.286)	0.233	0.106
191	15.92	0.63	0.340	(0.284)	0.233	0.106
192	16.00	0.63	0.340	(0.283)	0.233	0.106
193	16.08	0.13	0.071	(0.282)	0.049	0.022
194	16.17	0.13	0.071	(0.280)	0.049	0.022
195	16.25	0.13	0.071	(0.279)	0.049	0.022
196	16.33	0.13	0.071	(0.277)	0.049	0.022
197	16.42	0.13	0.071	(0.276)	0.049	0.022
198	16.50	0.13	0.071	(0.274)	0.049	0.022
199	16.58	0.10	0.054	(0.273)	0.037	0.017
200	16.67	0.10	0.054	(0.272)	0.037	0.017
201	16.75	0.10	0.054	(0.270)	0.037	0.017
202	16.83	0.10	0.054	(0.269)	0.037	0.017
203	16.92	0.10	0.054	(0.268)	0.037	0.017
204	17.00	0.10	0.054	(0.266)	0.037	0.017
205	17.08	0.17	0.089	(0.265)	0.061	0.028
206	17.17	0.17	0.089	(0.264)	0.061	0.028
207	17.25	0.17	0.089	(0.262)	0.061	0.028
208	17.33	0.17	0.089	(0.261)	0.061	0.028
209	17.42	0.17	0.089	(0.260)	0.061	0.028
210	17.50	0.17	0.089	(0.258)	0.061	0.028
211	17.58	0.17	0.089	(0.257)	0.061	0.028
212	17.67	0.17	0.089	(0.256)	0.061	0.028
213	17.75	0.17	0.089	(0.254)	0.061	0.028
214	17.83	0.13	0.071	(0.253)	0.049	0.022
215	17.92	0.13	0.071	(0.252)	0.049	0.022
216	18.00	0.13	0.071	(0.251)	0.049	0.022
217	18.08	0.13	0.071	(0.249)	0.049	0.022
218	18.17	0.13	0.071	(0.248)	0.049	0.022
219	18.25	0.13	0.071	(0.247)	0.049	0.022
220	18.33	0.13	0.071	(0.246)	0.049	0.022
221	18.42	0.13	0.071	(0.245)	0.049	0.022
222	18.50	0.13	0.071	(0.243)	0.049	0.022
223	18.58	0.10	0.054	(0.242)	0.037	0.017
224	18.67	0.10	0.054	(0.241)	0.037	0.017
225	18.75	0.10	0.054	(0.240)	0.037	0.017
226	18.83	0.07	0.036	(0.239)	0.025	0.011
227	18.92	0.07	0.036	(0.238)	0.025	0.011
228	19.00	0.07	0.036	(0.237)	0.025	0.011
229	19.08	0.10	0.054	(0.235)	0.037	0.017
230	19.17	0.10	0.054	(0.234)	0.037	0.017
231	19.25	0.10	0.054	(0.233)	0.037	0.017
232	19.33	0.13	0.071	(0.232)	0.049	0.022
233	19.42	0.13	0.071	(0.231)	0.049	0.022
234	19.50	0.13	0.071	(0.230)	0.049	0.022
235	19.58	0.10	0.054	(0.229)	0.037	0.017
236	19.67	0.10	0.054	(0.228)	0.037	0.017
237	19.75	0.10	0.054	(0.227)	0.037	0.017

```
238  19.83     0.07      0.036       (  0.226)       0.025        0.011
239  19.92     0.07      0.036       (  0.225)       0.025        0.011
240  20.00     0.07      0.036       (  0.224)       0.025        0.011
241  20.08     0.10      0.054       (  0.223)       0.037        0.017
242  20.17     0.10      0.054       (  0.222)       0.037        0.017
243  20.25     0.10      0.054       (  0.221)       0.037        0.017
244  20.33     0.10      0.054       (  0.220)       0.037        0.017
245  20.42     0.10      0.054       (  0.219)       0.037        0.017
246  20.50     0.10      0.054       (  0.218)       0.037        0.017
247  20.58     0.10      0.054       (  0.217)       0.037        0.017
248  20.67     0.10      0.054       (  0.216)       0.037        0.017
249  20.75     0.10      0.054       (  0.215)       0.037        0.017
250  20.83     0.07      0.036       (  0.214)       0.025        0.011
251  20.92     0.07      0.036       (  0.214)       0.025        0.011
252  21.00     0.07      0.036       (  0.213)       0.025        0.011
253  21.08     0.10      0.054       (  0.212)       0.037        0.017
254  21.17     0.10      0.054       (  0.211)       0.037        0.017
255  21.25     0.10      0.054       (  0.210)       0.037        0.017
256  21.33     0.07      0.036       (  0.209)       0.025        0.011
257  21.42     0.07      0.036       (  0.209)       0.025        0.011
258  21.50     0.07      0.036       (  0.208)       0.025        0.011
259  21.58     0.10      0.054       (  0.207)       0.037        0.017
260  21.67     0.10      0.054       (  0.206)       0.037        0.017
261  21.75     0.10      0.054       (  0.206)       0.037        0.017
262  21.83     0.07      0.036       (  0.205)       0.025        0.011
263  21.92     0.07      0.036       (  0.204)       0.025        0.011
264  22.00     0.07      0.036       (  0.203)       0.025        0.011
265  22.08     0.10      0.054       (  0.203)       0.037        0.017
266  22.17     0.10      0.054       (  0.202)       0.037        0.017
267  22.25     0.10      0.054       (  0.202)       0.037        0.017
268  22.33     0.07      0.036       (  0.201)       0.025        0.011
269  22.42     0.07      0.036       (  0.200)       0.025        0.011
270  22.50     0.07      0.036       (  0.200)       0.025        0.011
271  22.58     0.07      0.036       (  0.199)       0.025        0.011
272  22.67     0.07      0.036       (  0.199)       0.025        0.011
273  22.75     0.07      0.036       (  0.198)       0.025        0.011
274  22.83     0.07      0.036       (  0.197)       0.025        0.011
275  22.92     0.07      0.036       (  0.197)       0.025        0.011
276  23.00     0.07      0.036       (  0.197)       0.025        0.011
277  23.08     0.07      0.036       (  0.196)       0.025        0.011
278  23.17     0.07      0.036       (  0.196)       0.025        0.011
279  23.25     0.07      0.036       (  0.195)       0.025        0.011
280  23.33     0.07      0.036       (  0.195)       0.025        0.011
281  23.42     0.07      0.036       (  0.194)       0.025        0.011
282  23.50     0.07      0.036       (  0.194)       0.025        0.011
283  23.58     0.07      0.036       (  0.194)       0.025        0.011
284  23.67     0.07      0.036       (  0.193)       0.025        0.011
285  23.75     0.07      0.036       (  0.193)       0.025        0.011
286  23.83     0.07      0.036       (  0.193)       0.025        0.011
287  23.92     0.07      0.036       (  0.193)       0.025        0.011
288  24.00     0.07      0.036       (  0.193)       0.025        0.011
            (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    17.4
     Flood volume = Effective rainfall      1.45(In)
      times area      51.4(Ac.)/[(In)/(Ft.)] =       6.2(Ac.Ft)
     Total soil loss =      3.02(In)
     Total soil loss =    12.926(Ac.Ft)
     Total rainfall =      4.47(In)
     Flood volume =      271191.8 Cubic Feet
     Total soil loss =      563056.2 Cubic Feet
     ------------------------------------------------------------------------
      Peak flow rate of this hydrograph =     14.318(CFS)
     ------------------------------------------------------------------------
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        24 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
     ------------------------------------------------------------------------
```

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0015	0.21	Q				
0+10	0.0048	0.48	Q				
0+15	0.0085	0.54	VQ				
0+20	0.0131	0.67	VQ				
0+25	0.0187	0.82	VQ				
0+30	0.0246	0.85	VQ				
0+35	0.0305	0.86	VQ				
0+40	0.0365	0.87	VQ				
0+45	0.0425	0.87	VQ				
0+50	0.0492	0.98	VQ				
0+55	0.0569	1.11	V Q				
1+ 0	0.0647	1.14	V Q				
1+ 5	0.0719	1.05	V Q				
1+10	0.0783	0.92	VQ				
1+15	0.0844	0.89	VQ				
1+20	0.0904	0.88	VQ				
1+25	0.0964	0.87	VQ				
1+30	0.1024	0.87	VQ				
1+35	0.1084	0.87	VQ				
1+40	0.1144	0.87	VQ				
1+45	0.1204	0.87	VQ				
1+50	0.1271	0.98	VQ				
1+55	0.1348	1.11	V Q				
2+ 0	0.1426	1.14	V Q				
2+ 5	0.1505	1.15	V Q				
2+10	0.1585	1.16	|VQ				
2+15	0.1665	1.16	|VQ				
2+20	0.1745	1.16	|VQ				
2+25	0.1825	1.16	|VQ				
2+30	0.1905	1.16	|VQ				
2+35	0.1992	1.27	|VQ				
2+40	0.2088	1.40	|VQ				
2+45	0.2187	1.43	|VQ				
2+50	0.2286	1.44	|VQ				
2+55	0.2386	1.45	|VQ				
3+ 0	0.2486	1.45	|VQ				
3+ 5	0.2586	1.45	|VQ				
3+10	0.2686	1.45	|VQ				
3+15	0.2785	1.45	|VQ				
3+20	0.2885	1.45	|VQ				
3+25	0.2985	1.45	|VQ				
3+30	0.3085	1.45	|VQ				
3+35	0.3185	1.45	| Q				
3+40	0.3285	1.45	| Q				
3+45	0.3384	1.45	| Q				
3+50	0.3492	1.56	| VQ				
3+55	0.3608	1.69	| VQ				
4+ 0	0.3726	1.72	| VQ				
4+ 5	0.3846	1.73	| VQ				
4+10	0.3965	1.74	| VQ				
4+15	0.4085	1.74	| VQ				
4+20	0.4212	1.85	| VQ				
4+25	0.4349	1.98	| VQ				
4+30	0.4487	2.01	| V Q				
4+35	0.4626	2.02	| V Q				
4+40	0.4766	2.03	| VQ				
4+45	0.4906	2.03	| VQ				
4+50	0.5053	2.14	| VQ				
4+55	0.5209	2.27	| VQ				
5+ 0	0.5368	2.30	| VQ				
5+ 5	0.5512	2.10	| VQ				
5+10	0.5639	1.84	| Q				

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 5+15       0.5762      1.78  |  Q       |          |          |          |
 5+20       0.5890      1.86  |  Q       |          |          |          |
 5+25       0.6026      1.98  |  Q       |          |          |          |
 5+30       0.6165      2.01  |  VQ      |          |          |          |
 5+35       0.6311      2.13  |   Q      |          |          |          |
 5+40       0.6467      2.27  |   Q      |          |          |          |
 5+45       0.6626      2.30  |   Q      |          |          |          |
 5+50       0.6785      2.31  |   Q      |          |          |          |
 5+55       0.6945      2.32  |   Q      |          |          |          |
 6+ 0       0.7104      2.32  |   Q      |          |          |          |
 6+ 5       0.7272      2.43  |   Q      |          |          |          |
 6+10       0.7448      2.56  |   VQ     |          |          |          |
 6+15       0.7626      2.59  |   VQ     |          |          |          |
 6+20       0.7805      2.60  |    Q     |          |          |          |
 6+25       0.7985      2.61  |    Q     |          |          |          |
 6+30       0.8165      2.61  |    Q     |          |          |          |
 6+35       0.8352      2.72  |    Q     |          |          |          |
 6+40       0.8548      2.85  |    Q     |          |          |          |
 6+45       0.8746      2.88  |    Q     |          |          |          |
 6+50       0.8945      2.89  |    Q     |          |          |          |
 6+55       0.9145      2.90  |    Q     |          |          |          |
 7+ 0       0.9345      2.90  |    QV    |          |          |          |
 7+ 5       0.9545      2.90  |    QV    |          |          |          |
 7+10       0.9744      2.90  |    QV    |          |          |          |
 7+15       0.9944      2.90  |    QV    |          |          |          |
 7+20       1.0151      3.01  |     Q    |          |          |          |
 7+25       1.0367      3.14  |     Q    |          |          |          |
 7+30       1.0585      3.17  |     Q    |          |          |          |
 7+35       1.0812      3.29  |     Q    |          |          |          |
 7+40       1.1048      3.43  |     QV   |          |          |          |
 7+45       1.1286      3.46  |     QV   |          |          |          |
 7+50       1.1533      3.58  |      Q   |          |          |          |
 7+55       1.1789      3.72  |      Q   |          |          |          |
 8+ 0       1.2047      3.75  |      Q   |          |          |          |
 8+ 5       1.2321      3.97  |      Q   |          |          |          |
 8+10       1.2613      4.25  |       Q  |          |          |          |
 8+15       1.2910      4.31  |       Q  |          |          |          |
 8+20       1.3209      4.33  |       Q  |          |          |          |
 8+25       1.3508      4.35  |       Q  |          |          |          |
 8+30       1.3808      4.35  |       Q  |          |          |          |
 8+35       1.4115      4.46  |       QV |          |          |          |
 8+40       1.4431      4.59  |        Q |          |          |          |
 8+45       1.4749      4.62  |        Q |          |          |          |
 8+50       1.5075      4.74  |        Q |          |          |          |
 8+55       1.5411      4.88  |        Q |          |          |          |
 9+ 0       1.5749      4.91  |        QV          |          |          |
 9+ 5       1.6103      5.13  |         Q          |          |          |
 9+10       1.6475      5.41  |         Q          |          |          |
 9+15       1.6852      5.47  |         Q          |          |          |
 9+20       1.7237      5.60  |          |Q        |          |          |
 9+25       1.7633      5.75  |          |Q        |          |          |
 9+30       1.8031      5.78  |          |Q        |          |          |
 9+35       1.8437      5.90  |          |Q        |          |          |
 9+40       1.8853      6.04  |          | Q       |          |          |
 9+45       1.9271      6.07  |          | Q       |          |          |
 9+50       1.9697      6.19  |          | Q       |          |          |
 9+55       2.0133      6.33  |          | Q       |          |          |
10+ 0       2.0571      6.36  |          | QV      |          |          |
10+ 5       2.0959      5.62  |          |Q V      |          |          |
10+10       2.1282      4.70  |        Q |  V      |          |          |
10+15       2.1592      4.49  |       Q  |  V      |          |          |
10+20       2.1895      4.40  |       Q  |   V     |          |          |
10+25       2.2195      4.35  |       Q  |   V     |          |          |
10+30       2.2494      4.35  |       Q  |   V     |          |          |
10+35       2.2830      4.88  |        Q |   V     |          |          |
10+40       2.3212      5.55  |          |Q  V     |          |          |
10+45       2.3605      5.70  |          |Q   V    |          |          |
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10+50       2.4001      5.76  |          |Q   V    |          |          |
10+55       2.4401      5.80  |          |Q   V    |          |          |
11+ 0       2.4800      5.80  |          |Q   V    |          |          |
11+ 5       2.5192      5.69  |          |Q    V   |          |          |
11+10       2.5575      5.56  |          |Q    V   |          |          |
11+15       2.5956      5.53  |          |Q    V   |          |          |
11+20       2.6336      5.52  |          |Q    V   |          |          |
11+25       2.6715      5.51  |          |Q     V  |          |          |
11+30       2.7095      5.51  |          |Q     V  |          |          |
11+35       2.7459      5.30  |          Q      V  |          |          |
11+40       2.7806      5.03  |          Q      V  |          |          |
11+45       2.8148      4.97  |         Q|       V |          |          |
11+50       2.8496      5.05  |          Q       V |          |          |
11+55       2.8852      5.17  |          Q       V |          |          |
12+ 0       2.9210      5.20  |          Q       V |          |          |
12+ 5       2.9620      5.96  |          |Q       V|          |          |
12+10       3.0095      6.90  |          |  Q     V|          |          |
12+15       3.0585      7.11  |          |   Q    V|          |          |
12+20       3.1087      7.30  |          |   Q    V|          |          |
12+25       3.1603      7.49  |          |   Q     V          |          |
12+30       3.2121      7.52  |          |    Q    V          |          |
12+35       3.2654      7.74  |          |    Q    V          |          |
12+40       3.3207      8.02  |          |     Q   |V          |          |
12+45       3.3763      8.08  |          |     Q   |V          |          |
12+50       3.4345      8.45  |          |     Q   | V         |          |
12+55       3.4959      8.92  |          |      Q  | V         |          |
13+ 0       3.5585      9.09  |          |       Q | V         |          |
13+ 5       3.6338     10.92  |          |         |Q V        |          |
13+10       3.7244     13.16  |          |         |  V  Q     |          |
13+15       3.8189     13.73  |          |         |   V  Q    |          |
13+20       3.9155     14.02  |          |         |    V  Q   |          |
13+25       4.0135     14.23  |          |         |    V  Q   |          |
13+30       4.1121     14.32  |          |         |     V Q   |          |
13+35       4.1915     11.53  |          |         |  Q  V     |          |
13+40       4.2466      8.00  |          |     Q   |      V    |          |
13+45       4.2963      7.21  |          |   Q     |      V    |          |
13+50       4.3436      6.87  |          |  Q      |      V    |          |
13+55       4.3895      6.67  |          |  Q      |       V   |          |
14+ 0       4.4355      6.67  |          |  Q      |       V   |          |
14+ 5       4.4860      7.35  |          |   Q     |       V   |          |
14+10       4.5427      8.22  |          |     Q   |        V  |          |
14+15       4.6011      8.48  |          |     Q   |        V  |          |
14+20       4.6582      8.30  |          |     Q   |        V  |          |
14+25       4.7134      8.00  |          |     Q   |         V |          |
14+30       4.7684      7.99  |          |    Q    |         V |          |
14+35       4.8237      8.03  |          |     Q   |         V |          |
14+40       4.8795      8.09  |          |     Q   |         |V          |
14+45       4.9357      8.17  |          |     Q   |         |V          |
14+50       4.9903      7.91  |          |    Q    |         | V         |
14+55       5.0424      7.57  |          |    Q    |         | V         |
15+ 0       5.0944      7.56  |          |    Q    |         | V         |
15+ 5       5.1450      7.34  |          |   Q     |         |  V        |
15+10       5.1936      7.06  |          |   Q     |         |  V        |
15+15       5.2418      7.00  |          |  Q      |         |  V        |
15+20       5.2891      6.87  |          |  Q      |         |  V        |
15+25       5.3354      6.72  |          |  Q      |         |   V       |
15+30       5.3814      6.69  |          |  Q      |         |   V       |
15+35       5.4245      6.25  |          | Q       |         |   V       |
15+40       5.4638      5.71  |          |Q        |         |    V      |
15+45       5.5023      5.59  |          |Q        |         |    V      |
15+50       5.5405      5.54  |          |Q        |         |    V      |
15+55       5.5784      5.51  |          |Q        |         |    V      |
16+ 0       5.6164      5.51  |          |Q        |         |     V     |
16+ 5       5.6433      3.91  |       Q  |         |         |     V     |
16+10       5.6565      1.92  |  Q       |         |         |     V     |
16+15       5.6666      1.47  | Q        |         |         |     V     |
16+20       5.6753      1.27  | Q        |         |         |     V     |
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16+25       5.6833      1.16  | Q       |         |         |     V   |
16+30       5.6913      1.16  | Q       |         |         |     V   |
16+35       5.6986      1.05  | Q       |         |         |     V   |
16+40       5.7049      0.92  |Q        |         |         |     V   |
16+45       5.7110      0.89  |Q        |         |         |     V   |
16+50       5.7171      0.88  |Q        |         |         |     V   |
16+55       5.7231      0.87  |Q        |         |         |     V   |
17+ 0       5.7291      0.87  |Q        |         |         |     V   |
17+ 5       5.7365      1.08  | Q       |         |         |     V   |
17+10       5.7458      1.35  | Q       |         |         |     V   |
17+15       5.7555      1.41  | Q       |         |         |     V   |
17+20       5.7654      1.43  | Q       |         |         |      V  |
17+25       5.7754      1.45  | Q       |         |         |      V  |
17+30       5.7854      1.45  | Q       |         |         |      V  |
17+35       5.7954      1.45  | Q       |         |         |      V  |
17+40       5.8053      1.45  | Q       |         |         |      V  |
17+45       5.8153      1.45  | Q       |         |         |      V  |
17+50       5.8246      1.34  | Q       |         |         |      V  |
17+55       5.8329      1.21  | Q       |         |         |      V  |
18+ 0       5.8410      1.18  | Q       |         |         |      V  |
18+ 5       5.8491      1.17  | Q       |         |         |      V  |
18+10       5.8571      1.16  | Q       |         |         |      V  |
18+15       5.8650      1.16  | Q       |         |         |      V  |
18+20       5.8730      1.16  | Q       |         |         |      V  |
18+25       5.8810      1.16  | Q       |         |         |      V  |
18+30       5.8890      1.16  | Q       |         |         |      V  |
18+35       5.8963      1.05  | Q       |         |         |      V  |
18+40       5.9026      0.92  |Q        |         |         |      V  |
18+45       5.9087      0.89  |Q        |         |         |      V  |
18+50       5.9140      0.77  |Q        |         |         |      V  |
18+55       5.9184      0.63  |Q        |         |         |       V |
19+ 0       5.9225      0.60  |Q        |         |         |       V |
19+ 5       5.9273      0.69  |Q        |         |         |       V |
19+10       5.9329      0.82  |Q        |         |         |       V |
19+15       5.9388      0.85  |Q        |         |         |       V |
19+20       5.9455      0.97  |Q        |         |         |       V |
19+25       5.9531      1.11  | Q       |         |         |       V |
19+30       5.9610      1.14  | Q       |         |         |       V |
19+35       5.9682      1.05  | Q       |         |         |       V |
19+40       5.9745      0.92  |Q        |         |         |       V |
19+45       5.9806      0.89  |Q        |         |         |       V |
19+50       5.9859      0.77  |Q        |         |         |       V |
19+55       5.9903      0.63  |Q        |         |         |       V |
20+ 0       5.9944      0.60  |Q        |         |         |       V |
20+ 5       5.9992      0.69  |Q        |         |         |       V |
20+10       6.0048      0.82  |Q        |         |         |       V |
20+15       6.0107      0.85  |Q        |         |         |       V |
20+20       6.0166      0.86  |Q        |         |         |       V |
20+25       6.0226      0.87  |Q        |         |         |       V |
20+30       6.0286      0.87  |Q        |         |         |       V |
20+35       6.0346      0.87  |Q        |         |         |       V |
20+40       6.0406      0.87  |Q        |         |         |       V |
20+45       6.0466      0.87  |Q        |         |         |       V |
20+50       6.0518      0.76  |Q        |         |         |       V |
20+55       6.0562      0.63  |Q        |         |         |       V |
21+ 0       6.0603      0.60  |Q        |         |         |       V |
21+ 5       6.0651      0.69  |Q        |         |         |       V |
21+10       6.0707      0.82  |Q        |         |         |        V|
21+15       6.0766      0.85  |Q        |         |         |        V|
21+20       6.0818      0.76  |Q        |         |         |        V|
21+25       6.0861      0.63  |Q        |         |         |        V|
21+30       6.0903      0.60  |Q        |         |         |        V|
21+35       6.0950      0.69  |Q        |         |         |        V|
21+40       6.1007      0.82  |Q        |         |         |        V|
21+45       6.1065      0.85  |Q        |         |         |        V|
21+50       6.1117      0.76  |Q        |         |         |        V|
21+55       6.1161      0.63  |Q        |         |         |        V|
```

```
   22+ 0       6.1202      0.60  |Q        |         |         |        V|
   22+ 5       6.1250      0.69  |Q        |         |         |        V|
   22+10       6.1306      0.82  |Q        |         |         |        V|
   22+15       6.1365      0.85  |Q        |         |         |        V|
   22+20       6.1417      0.76  |Q        |         |         |        V|
   22+25       6.1460      0.63  |Q        |         |         |        V|
   22+30       6.1502      0.60  |Q        |         |         |        V|
   22+35       6.1542      0.59  |Q        |         |         |        V|
   22+40       6.1582      0.58  |Q        |         |         |        V|
   22+45       6.1622      0.58  |Q        |         |         |        V|
   22+50       6.1662      0.58  |Q        |         |         |        V|
   22+55       6.1702      0.58  |Q        |         |         |        V|
   23+ 0       6.1742      0.58  |Q        |         |         |        V|
   23+ 5       6.1782      0.58  |Q        |         |         |        V|
   23+10       6.1822      0.58  |Q        |         |         |        V|
   23+15       6.1862      0.58  |Q        |         |         |        V|
   23+20       6.1902      0.58  |Q        |         |         |        V|
   23+25       6.1941      0.58  |Q        |         |         |        V|
   23+30       6.1981      0.58  |Q        |         |         |        V|
   23+35       6.2021      0.58  |Q        |         |         |        V|
   23+40       6.2061      0.58  |Q        |         |         |        V|
   23+45       6.2101      0.58  |Q        |         |         |        V|
   23+50       6.2141      0.58  |Q        |         |         |        V|
   23+55       6.2181      0.58  |Q        |         |         |        V|
   24+ 0       6.2221      0.58  |Q        |         |         |        V|
   24+ 5       6.2246      0.37  Q         |         |         |        V|
   24+10       6.2253      0.10  Q         |         |         |        V|
   24+15       6.2256      0.04  Q         |         |         |        V|
   24+20       6.2257      0.02  Q         |         |         |         V
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/13/21 File: RVPRE110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN E- PROPOSED UNIT HYDROGRAPH
10YR-1HRS

Drainage Area = 51.43(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.43(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 2597.00(Ft.)
Length along longest watercourse measured to centroid = 1241.50(Ft.)
Length along longest watercourse = 0.492 Mi.
Length along longest watercourse measured to centroid = 0.235 Mi.
Difference in elevation = 208.00(Ft.)
Slope along watercourse = 422.8879 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.050 Hr.
Lag time = 3.02 Min.
25% of lag time = 0.75 Min.
40% of lag time = 1.21 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	0.55	28.29

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	1.30	66.86

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 0.859(In)
Areal adjustment factor = 99.95 %
Adjusted average point rain = 0.858(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.430	74.50	0.266

Total Area Entered = 51.43(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
     74.5  74.5      0.309     0.266        0.235       1.000      0.235
                                                        Sum (F) =   0.235
     Area averaged mean soil loss (F) (In/Hr) =  0.385
     Minimum soil loss rate ((In/Hr)) =  0.193
     (for 24 hour storm duration)
     Note: User entry of the f value
     Soil low loss rate (decimal) =   0.687
     ------------------------------------------------------------------
     Slope of intensity-duration curve for a 1 hour storm =0.5500
     ------------------------------------------------------------------

                 U n i t  H y d r o g r a p h
                        VALLEY S-Curve
     ------------------------------------------------------------------
                 Unit Hydrograph Data
     ------------------------------------------------------------------
     Unit time period   Time % of lag   Distribution   Unit Hydrograph
         (hrs)                           Graph %           (CFS)
     ------------------------------------------------------------------
         1   0.083        165.768         36.785            19.066
         2   0.167        331.537         45.833            23.756
         3   0.250        497.305         10.344             5.361
         4   0.333        663.074          4.398             2.279
         5   0.417        828.842          2.640             1.369
                                  Sum = 100.000   Sum=      51.832
-----------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

```
 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
  1   0.08     3.30      0.340       (  0.385)       0.234        0.106
  2   0.17     4.20      0.433       (  0.385)       0.297        0.135
  3   0.25     4.40      0.453       (  0.385)       0.311        0.142
  4   0.33     4.80      0.494       (  0.385)       0.340        0.155
  5   0.42     5.20      0.535       (  0.385)       0.368        0.168
  6   0.50     6.20      0.638          0.385    (  0.439)        0.253
  7   0.58     6.80      0.700          0.385    (  0.481)        0.315
  8   0.67     8.80      0.906          0.385    (  0.623)        0.521
  9   0.75    13.90      1.431          0.385    (  0.984)        1.046
 10   0.83    31.40      3.234          0.385    (  2.222)        2.848
 11   0.92     7.20      0.741          0.385    (  0.510)        0.356
 12   1.00     3.80      0.391       (  0.385)       0.269        0.122
           (Loss Rate Not Used)
    Sum =     100.0                                  Sum =     6.2
     Flood volume = Effective rainfall      0.51(In)
      times area      51.4(Ac.)/[(In)/(Ft.)] =       2.2(Ac.Ft)
     Total soil loss =      0.34(In)
     Total soil loss =     1.475(Ac.Ft)
     Total rainfall =      0.86(In)
     Flood volume =       95938.8 Cubic Feet
     Total soil loss =       64271.1 Cubic Feet
     ------------------------------------------------------------------
      Peak flow rate of this hydrograph =     83.051(CFS)
     ------------------------------------------------------------------
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                       1 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
     ------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0       22.5      45.0      67.5      90.0
 ------------------------------------------------------------------------
   0+ 5       0.0140      2.03  Q         |         |         |         |
```

```
    0+10       0.0491      5.11  V Q       |          |          |          |
    0+15       0.0938      6.49  |VQ       |          |          |          |
    0+20       0.1440      7.29  | VQ      |          |          |          |
    0+25       0.1997      8.08  |  Q      |          |          |          |
    0+30       0.2696     10.15  |   Q     |          |          |          |
    0+35       0.3623     13.47  |    QV   |          |          |          |
    0+40       0.4957     19.37  |       QV|          |          |          |
    0+45       0.7356     34.83  |         |  V Q     |          |          |
    0+50       1.3076     83.05  |         |          |  V       |     Q    |
    0+55       1.8703     81.72  |         |          |          |  V  Q    |
    1+ 0       2.0713     29.17  |         | Q        |          |     V    |
    1+ 5       2.1590     12.75  |    Q    |          |          |        V |
    1+10       2.1960      5.37  | Q       |          |          |        V |
    1+15       2.2013      0.77  Q         |          |          |        V |
    1+20       2.2025      0.17  Q         |          |          |         V
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/13/21 File: RVPRE310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN E- PROPOSED UNIT HYDROGRAPH
10YR-3HRS

Drainage Area = 51.43(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.43(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 2597.00(Ft.)
Length along longest watercourse measured to centroid = 1241.50(Ft.)
Length along longest watercourse = 0.492 Mi.
Length along longest watercourse measured to centroid = 0.235 Mi.
Difference in elevation = 208.00(Ft.)
Slope along watercourse = 422.8879 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.050 Hr.
Lag time = 3.02 Min.
25% of lag time = 0.75 Min.
40% of lag time = 1.21 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	1.10	56.57

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	2.00	102.86

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 1.470(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 1.470(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.430	74.50	0.266

Total Area Entered = 51.43(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
74.5  74.5      0.309     0.266        0.235       1.000      0.235
                                                  Sum (F) =   0.235
Area averaged mean soil loss (F) (In/Hr) =  0.385
Minimum soil loss rate ((In/Hr)) =  0.193
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) =   0.687
------------------------------------------------------------------------

            U n i t  H y d r o g r a p h
                   VALLEY S-Curve
------------------------------------------------------------------------
            Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
       1   0.083        165.768         36.785            19.066
       2   0.167        331.537         45.833            23.756
       3   0.250        497.305         10.344             5.361
       4   0.333        663.074          4.398             2.279
       5   0.417        828.842          2.640             1.369
                              Sum = 100.000   Sum=         51.832
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	1.30	0.229	(0.385)		0.158	0.072
2	0.17	1.30	0.229	(0.385)		0.158	0.072
3	0.25	1.10	0.194	(0.385)		0.133	0.061
4	0.33	1.50	0.265	(0.385)		0.182	0.083
5	0.42	1.50	0.265	(0.385)		0.182	0.083
6	0.50	1.80	0.318	(0.385)		0.218	0.099
7	0.58	1.50	0.265	(0.385)		0.182	0.083
8	0.67	1.80	0.318	(0.385)		0.218	0.099
9	0.75	1.80	0.318	(0.385)		0.218	0.099
10	0.83	1.50	0.265	(0.385)		0.182	0.083
11	0.92	1.60	0.282	(0.385)		0.194	0.088
12	1.00	1.80	0.318	(0.385)		0.218	0.099
13	1.08	2.20	0.388	(0.385)		0.267	0.121
14	1.17	2.20	0.388	(0.385)		0.267	0.121
15	1.25	2.20	0.388	(0.385)		0.267	0.121
16	1.33	2.00	0.353	(0.385)		0.242	0.110
17	1.42	2.60	0.459	(0.385)		0.315	0.143
18	1.50	2.70	0.476	(0.385)		0.327	0.149
19	1.58	2.40	0.423	(0.385)		0.291	0.132
20	1.67	2.70	0.476	(0.385)		0.327	0.149
21	1.75	3.30	0.582	0.385	(	0.400)	0.197
22	1.83	3.10	0.547	(0.385)		0.376	0.171
23	1.92	2.90	0.512	(0.385)		0.352	0.160
24	2.00	3.00	0.529	(0.385)		0.364	0.166
25	2.08	3.10	0.547	(0.385)		0.376	0.171
26	2.17	4.20	0.741	0.385	(	0.509)	0.355
27	2.25	5.00	0.882	0.385	(	0.606)	0.497
28	2.33	3.50	0.617	0.385	(	0.424)	0.232
29	2.42	6.80	1.199	0.385	(	0.824)	0.814
30	2.50	7.30	1.288	0.385	(	0.885)	0.902
31	2.58	8.20	1.446	0.385	(	0.994)	1.061
32	2.67	5.90	1.041	0.385	(	0.715)	0.655
33	2.75	2.00	0.353	(0.385)		0.242	0.110
34	2.83	1.80	0.318	(0.385)		0.218	0.099
35	2.92	1.80	0.318	(0.385)		0.218	0.099

```
 36   3.00     0.60      0.106       (  0.385)       0.073        0.033
            (Loss Rate Not Used)
    Sum =     100.0                                    Sum =     7.8
      Flood volume = Effective rainfall      0.65(In)
       times area      51.4(Ac.)/[(In)/(Ft.)] =       2.8(Ac.Ft)
      Total soil loss =      0.82(In)
      Total soil loss =     3.517(Ac.Ft)
      Total rainfall =      1.47(In)
      Flood volume =      121225.4 Cubic Feet
      Total soil loss =      153198.4 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =     47.261(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          3 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0       12.5      25.0      37.5      50.0
 ----------------------------------------------------------------------------
   0+ 5       0.0094      1.37  VQ        |         |         |         |
   0+10       0.0306      3.07  V Q       |         |         |         |
   0+15       0.0530      3.25  V Q       |         |         |         |
   0+20       0.0775      3.57  |VQ       |         |         |         |
   0+25       0.1060      4.13  |V Q      |         |         |         |
   0+30       0.1373      4.54  |V Q      |         |         |         |
   0+35       0.1693      4.66  | VQ      |         |         |         |
   0+40       0.2017      4.70  | VQ      |         |         |         |
   0+45       0.2364      5.04  |  VQ     |         |         |         |
   0+50       0.2694      4.80  |  Q      |         |         |         |
   0+55       0.3006      4.52  |  QV     |         |         |         |
   1+ 0       0.3336      4.80  |  QV     |         |         |         |
   1+ 5       0.3713      5.47  |   QV    |         |         |         |
   1+10       0.4130      6.05  |   QV    |         |         |         |
   1+15       0.4557      6.20  |   Q V   |         |         |         |
   1+20       0.4974      6.05  |   Q  V  |         |         |         |
   1+25       0.5418      6.45  |    Q V  |         |         |         |
   1+30       0.5920      7.29  |    Q  V |         |         |         |
   1+35       0.6420      7.25  |    Q   V|         |         |         |
   1+40       0.6920      7.27  |    Q   V|         |         |         |
   1+45       0.7508      8.54  |     Q   V         |         |         |
   1+50       0.8145      9.24  |      Q  |V        |         |         |
   1+55       0.8744      8.69  |     Q   | V       |         |         |
   2+ 0       0.9331      8.53  |     Q   |  V      |         |         |
   2+ 5       0.9931      8.71  |     Q   |   V     |         |         |
   2+10       1.0781     12.33  |        Q|    V    |         |         |
   2+15       1.2119     19.43  |         |    Q V  |         |         |
   2+20       1.3411     18.75  |         |    Q   V|         |         |
   2+25       1.5115     24.75  |         |        Q|V        |         |
   2+30       1.7830     39.42  |         |         |    V    |Q        |
   2+35       2.1085     47.26  |         |         |         V       Q  |
   2+40       2.4166     44.73  |         |         |         |   VQ      |
   2+45       2.5994     26.54  |         |         |Q        |      V  |
   2+50       2.6799     11.69  |         Q|        |         |       V |
   2+55       2.7336      7.79  |     Q   |         |         |         V|
   3+ 0       2.7658      4.67  |  Q      |         |         |         V|
   3+ 5       2.7775      1.70  |Q        |         |         |         V|
   3+10       2.7812      0.54  Q         |         |         |         V|
   3+15       2.7826      0.21  Q         |         |         |         V|
   3+20       2.7830      0.05  Q         |         |         |          V
----------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/13/21 File: RVPRE610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN E- PROPOSED UNIT HYDROGRAPH
10YR-6HRS

Drainage Area = 51.43(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.43(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 2597.00(Ft.)
Length along longest watercourse measured to centroid = 1241.50(Ft.)
Length along longest watercourse = 0.492 Mi.
Length along longest watercourse measured to centroid = 0.235 Mi.
Difference in elevation = 208.00(Ft.)
Slope along watercourse = 422.8879 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.050 Hr.
Lag time = 3.02 Min.
25% of lag time = 0.75 Min.
40% of lag time = 1.21 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	1.60	82.29

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	3.00	154.29

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 2.176(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.176(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.430	74.50	0.266

Total Area Entered = 51.43(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      74.5  74.5      0.309     0.266        0.235       1.000      0.235
                                                        Sum (F) =   0.235
      Area averaged mean soil loss (F) (In/Hr) =  0.385
      Minimum soil loss rate ((In/Hr)) =  0.193
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.687
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------------
              1   0.083        165.768         36.785            19.066
              2   0.167        331.537         45.833            23.756
              3   0.250        497.305         10.344             5.361
              4   0.333        663.074          4.398             2.279
              5   0.417        828.842          2.640             1.369
                                      Sum = 100.000   Sum=      51.832
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.131	(0.385)	0.090	0.041
2	0.17	0.60	0.157	(0.385)	0.108	0.049
3	0.25	0.60	0.157	(0.385)	0.108	0.049
4	0.33	0.60	0.157	(0.385)	0.108	0.049
5	0.42	0.60	0.157	(0.385)	0.108	0.049
6	0.50	0.70	0.183	(0.385)	0.126	0.057
7	0.58	0.70	0.183	(0.385)	0.126	0.057
8	0.67	0.70	0.183	(0.385)	0.126	0.057
9	0.75	0.70	0.183	(0.385)	0.126	0.057
10	0.83	0.70	0.183	(0.385)	0.126	0.057
11	0.92	0.70	0.183	(0.385)	0.126	0.057
12	1.00	0.80	0.209	(0.385)	0.144	0.065
13	1.08	0.80	0.209	(0.385)	0.144	0.065
14	1.17	0.80	0.209	(0.385)	0.144	0.065
15	1.25	0.80	0.209	(0.385)	0.144	0.065
16	1.33	0.80	0.209	(0.385)	0.144	0.065
17	1.42	0.80	0.209	(0.385)	0.144	0.065
18	1.50	0.80	0.209	(0.385)	0.144	0.065
19	1.58	0.80	0.209	(0.385)	0.144	0.065
20	1.67	0.80	0.209	(0.385)	0.144	0.065
21	1.75	0.80	0.209	(0.385)	0.144	0.065
22	1.83	0.80	0.209	(0.385)	0.144	0.065
23	1.92	0.80	0.209	(0.385)	0.144	0.065
24	2.00	0.90	0.235	(0.385)	0.161	0.073
25	2.08	0.80	0.209	(0.385)	0.144	0.065
26	2.17	0.90	0.235	(0.385)	0.161	0.073
27	2.25	0.90	0.235	(0.385)	0.161	0.073
28	2.33	0.90	0.235	(0.385)	0.161	0.073
29	2.42	0.90	0.235	(0.385)	0.161	0.073
30	2.50	0.90	0.235	(0.385)	0.161	0.073
31	2.58	0.90	0.235	(0.385)	0.161	0.073
32	2.67	0.90	0.235	(0.385)	0.161	0.073
33	2.75	1.00	0.261	(0.385)	0.179	0.082
34	2.83	1.00	0.261	(0.385)	0.179	0.082
35	2.92	1.00	0.261	(0.385)	0.179	0.082
36	3.00	1.00	0.261	(0.385)	0.179	0.082

```
37   3.08     1.00      0.261       (  0.385)       0.179        0.082
38   3.17     1.10      0.287       (  0.385)       0.197        0.090
39   3.25     1.10      0.287       (  0.385)       0.197        0.090
40   3.33     1.10      0.287       (  0.385)       0.197        0.090
41   3.42     1.20      0.313       (  0.385)       0.215        0.098
42   3.50     1.30      0.339       (  0.385)       0.233        0.106
43   3.58     1.40      0.365       (  0.385)       0.251        0.114
44   3.67     1.40      0.365       (  0.385)       0.251        0.114
45   3.75     1.50      0.392       (  0.385)       0.269        0.122
46   3.83     1.50      0.392       (  0.385)       0.269        0.122
47   3.92     1.60      0.418       (  0.385)       0.287        0.131
48   4.00     1.60      0.418       (  0.385)       0.287        0.131
49   4.08     1.70      0.444       (  0.385)       0.305        0.139
50   4.17     1.80      0.470       (  0.385)       0.323        0.147
51   4.25     1.90      0.496       (  0.385)       0.341        0.155
52   4.33     2.00      0.522       (  0.385)       0.359        0.163
53   4.42     2.10      0.548       (  0.385)       0.377        0.171
54   4.50     2.10      0.548       (  0.385)       0.377        0.171
55   4.58     2.20      0.574          0.385    (  0.395)        0.189
56   4.67     2.30      0.600          0.385    (  0.413)        0.215
57   4.75     2.40      0.627          0.385    (  0.431)        0.241
58   4.83     2.40      0.627          0.385    (  0.431)        0.241
59   4.92     2.50      0.653          0.385    (  0.449)        0.267
60   5.00     2.60      0.679          0.385    (  0.466)        0.293
61   5.08     3.10      0.809          0.385    (  0.556)        0.424
62   5.17     3.60      0.940          0.385    (  0.646)        0.554
63   5.25     3.90      1.018          0.385    (  0.700)        0.633
64   5.33     4.20      1.096          0.385    (  0.754)        0.711
65   5.42     4.70      1.227          0.385    (  0.843)        0.842
66   5.50     5.60      1.462          0.385    (  1.005)        1.077
67   5.58     1.90      0.496       (  0.385)       0.341        0.155
68   5.67     0.90      0.235       (  0.385)       0.161        0.073
69   5.75     0.60      0.157       (  0.385)       0.108        0.049
70   5.83     0.50      0.131       (  0.385)       0.090        0.041
71   5.92     0.30      0.078       (  0.385)       0.054        0.024
72   6.00     0.20      0.052       (  0.385)       0.036        0.016
          (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    10.6
    Flood volume = Effective rainfall      0.89(In)
     times area      51.4(Ac.)/[(In)/(Ft.)] =       3.8(Ac.Ft)
    Total soil loss =      1.29(In)
    Total soil loss =     5.528(Ac.Ft)
    Total rainfall =      2.18(In)
    Flood volume =      165345.1 Cubic Feet
    Total soil loss =      240817.2 Cubic Feet
    ---------------------------------------------------------------------
     Peak flow rate of this hydrograph =     46.558(CFS)
    ---------------------------------------------------------------------
    +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                       6 - H O U R    S T O R M
                  R u n o f f      H y d r o g r a p h
    ---------------------------------------------------------------------
               Hydrograph in   5   Minute intervals ((CFS))

    ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       12.5      25.0      37.5      50.0
-------------------------------------------------------------------------
  0+ 5       0.0054      0.78  Q         |         |         |         |
  0+10       0.0185      1.91  VQ        |         |         |         |
  0+15       0.0345      2.32  VQ        |         |         |         |
  0+20       0.0514      2.46  VQ        |         |         |         |
  0+25       0.0688      2.53  V Q       |         |         |         |
  0+30       0.0874      2.70  V Q       |         |         |         |
  0+35       0.1073      2.89  |VQ       |         |         |         |
  0+40       0.1275      2.93  |VQ       |         |         |         |
  0+45       0.1478      2.95  |VQ       |         |         |         |
  0+50       0.1682      2.96  |VQ       |         |         |         |
```

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   0+55      0.1886     2.96  |VQ       |         |         |         |
   1+ 0      0.2101     3.12  | Q       |         |         |         |
   1+ 5      0.2330     3.31  | Q       |         |         |         |
   1+10      0.2561     3.36  | Q       |         |         |         |
   1+15      0.2793     3.38  | Q       |         |         |         |
   1+20      0.3027     3.39  | QV      |         |         |         |
   1+25      0.3260     3.39  | QV      |         |         |         |
   1+30      0.3493     3.39  | QV      |         |         |         |
   1+35      0.3727     3.39  | QV      |         |         |         |
   1+40      0.3960     3.39  | Q V     |         |         |         |
   1+45      0.4193     3.39  | Q V     |         |         |         |
   1+50      0.4427     3.39  | Q V     |         |         |         |
   1+55      0.4660     3.39  | Q V     |         |         |         |
   2+ 0      0.4904     3.54  | Q  V    |         |         |         |
   2+ 5      0.5151     3.58  | Q  V    |         |         |         |
   2+10      0.5398     3.59  | Q  V    |         |         |         |
   2+15      0.5657     3.76  |  Q V    |         |         |         |
   2+20      0.5918     3.79  |  Q  V   |         |         |         |
   2+25      0.6180     3.80  |  Q  V   |         |         |         |
   2+30      0.6442     3.81  |  Q  V   |         |         |         |
   2+35      0.6705     3.81  |  Q   V  |         |         |         |
   2+40      0.6967     3.81  |  Q   V  |         |         |         |
   2+45      0.7240     3.97  |  Q   V  |         |         |         |
   2+50      0.7527     4.16  |  Q   V  |         |         |         |
   2+55      0.7816     4.21  |  Q    V |         |         |         |
   3+ 0      0.8107     4.22  |  Q    V |         |         |         |
   3+ 5      0.8399     4.23  |  Q    V |         |         |         |
   3+10      0.8701     4.39  |  Q     V|         |         |         |
   3+15      0.9017     4.58  |  Q     V|         |         |         |
   3+20      0.9336     4.63  |  Q     V|         |         |         |
   3+25      0.9667     4.80  |  Q      V         |         |         |
   3+30      1.0022     5.16  |   Q     V         |         |         |
   3+35      1.0405     5.56  |   Q     V         |         |         |
   3+40      1.0806     5.81  |   Q     |V        |         |         |
   3+45      1.1222     6.04  |   Q     |V        |         |         |
   3+50      1.1653     6.27  |    Q    | V       |         |         |
   3+55      1.2100     6.48  |    Q    | V       |         |         |
   4+ 0      1.2560     6.69  |    Q    |  V      |         |         |
   4+ 5      1.3036     6.90  |    Q    |  V      |         |         |
   4+10      1.3537     7.27  |    Q    |   V     |         |         |
   4+15      1.4065     7.68  |     Q   |   V     |         |         |
   4+20      1.4622     8.09  |     Q   |    V    |         |         |
   4+25      1.5208     8.51  |     Q   |     V   |         |         |
   4+30      1.5813     8.78  |      Q  |     V   |         |         |
   4+35      1.6445     9.19  |      Q  |      V  |         |         |
   4+40      1.7143    10.13  |       Q |       V |         |         |
   4+45      1.7925    11.35  |        Q|       V |         |         |
   4+50      1.8762    12.15  |        Q|        V|         |         |
   4+55      1.9648    12.87  |         Q         V         |         |
   5+ 0      2.0618    14.09  |         |Q        |V        |         |
   5+ 5      2.1815    17.37  |         |  Q      | V       |         |
   5+10      2.3410    23.17  |         |       Q |   V     |         |
   5+15      2.5377    28.56  |         |         | Q   V   |         |
   5+20      2.7646    32.95  |         |         |     Q  V|         |
   5+25      3.0277    38.20  |         |         |         QV        |
   5+30      3.3483    46.56  |         |         |          |    V Q  |
   5+35      3.5932    35.55  |         |         |       Q  |      V  |
   5+40      3.6879    13.76  |         |Q        |          |       V |
   5+45      3.7370     7.12  |    Q    |         |          |        V|
   5+50      3.7656     4.17  |  Q      |         |          |        V|
   5+55      3.7800     2.08  |Q        |         |          |        V|
   6+ 0      3.7891     1.33  |Q        |         |          |        V|
   6+ 5      3.7938     0.68  Q         |         |          |        V|
   6+10      3.7952     0.20  Q         |         |          |        V|
   6+15      3.7956     0.07  Q         |         |          |        V|
   6+20      3.7958     0.02  Q         |         |          |        V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/13/21 File: RVPRE2410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN E- PROPOSED UNIT HYDROGRAPH
10YR-24HRS

Drainage Area = 51.43(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.43(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 2597.00(Ft.)
Length along longest watercourse measured to centroid = 1241.50(Ft.)
Length along longest watercourse = 0.492 Mi.
Length along longest watercourse measured to centroid = 0.235 Mi.
Difference in elevation = 208.00(Ft.)
Slope along watercourse = 422.8879 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.050 Hr.
Lag time = 3.02 Min.
25% of lag time = 0.75 Min.
40% of lag time = 1.21 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	2.70	138.86

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	7.00	360.01

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 4.469(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 4.469(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.430	74.50	0.266

Total Area Entered = 51.43(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      74.5  74.5      0.309     0.266        0.235       1.000      0.235
                                                        Sum (F) =   0.235
      Area averaged mean soil loss (F) (In/Hr) =  0.385
      Minimum soil loss rate ((In/Hr)) =  0.193
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.687
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------------
              1   0.083        165.768         36.785             19.066
              2   0.167        331.537         45.833             23.756
              3   0.250        497.305         10.344              5.361
              4   0.333        663.074          4.398              2.279
              5   0.417        828.842          2.640              1.369
                                      Sum = 100.000   Sum=         51.832
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.036	(0.683)	0.025	0.011
2	0.17	0.07	0.036	(0.681)	0.025	0.011
3	0.25	0.07	0.036	(0.678)	0.025	0.011
4	0.33	0.10	0.054	(0.675)	0.037	0.017
5	0.42	0.10	0.054	(0.673)	0.037	0.017
6	0.50	0.10	0.054	(0.670)	0.037	0.017
7	0.58	0.10	0.054	(0.667)	0.037	0.017
8	0.67	0.10	0.054	(0.665)	0.037	0.017
9	0.75	0.10	0.054	(0.662)	0.037	0.017
10	0.83	0.13	0.071	(0.660)	0.049	0.022
11	0.92	0.13	0.071	(0.657)	0.049	0.022
12	1.00	0.13	0.071	(0.654)	0.049	0.022
13	1.08	0.10	0.054	(0.652)	0.037	0.017
14	1.17	0.10	0.054	(0.649)	0.037	0.017
15	1.25	0.10	0.054	(0.647)	0.037	0.017
16	1.33	0.10	0.054	(0.644)	0.037	0.017
17	1.42	0.10	0.054	(0.642)	0.037	0.017
18	1.50	0.10	0.054	(0.639)	0.037	0.017
19	1.58	0.10	0.054	(0.636)	0.037	0.017
20	1.67	0.10	0.054	(0.634)	0.037	0.017
21	1.75	0.10	0.054	(0.631)	0.037	0.017
22	1.83	0.13	0.071	(0.629)	0.049	0.022
23	1.92	0.13	0.071	(0.626)	0.049	0.022
24	2.00	0.13	0.071	(0.624)	0.049	0.022
25	2.08	0.13	0.071	(0.621)	0.049	0.022
26	2.17	0.13	0.071	(0.619)	0.049	0.022
27	2.25	0.13	0.071	(0.616)	0.049	0.022
28	2.33	0.13	0.071	(0.614)	0.049	0.022
29	2.42	0.13	0.071	(0.611)	0.049	0.022
30	2.50	0.13	0.071	(0.609)	0.049	0.022
31	2.58	0.17	0.089	(0.606)	0.061	0.028
32	2.67	0.17	0.089	(0.604)	0.061	0.028
33	2.75	0.17	0.089	(0.601)	0.061	0.028
34	2.83	0.17	0.089	(0.599)	0.061	0.028
35	2.92	0.17	0.089	(0.596)	0.061	0.028
36	3.00	0.17	0.089	(0.594)	0.061	0.028

37	3.08	0.17	0.089	(0.591)	0.061	0.028
38	3.17	0.17	0.089	(0.589)	0.061	0.028
39	3.25	0.17	0.089	(0.586)	0.061	0.028
40	3.33	0.17	0.089	(0.584)	0.061	0.028
41	3.42	0.17	0.089	(0.582)	0.061	0.028
42	3.50	0.17	0.089	(0.579)	0.061	0.028
43	3.58	0.17	0.089	(0.577)	0.061	0.028
44	3.67	0.17	0.089	(0.574)	0.061	0.028
45	3.75	0.17	0.089	(0.572)	0.061	0.028
46	3.83	0.20	0.107	(0.569)	0.074	0.034
47	3.92	0.20	0.107	(0.567)	0.074	0.034
48	4.00	0.20	0.107	(0.565)	0.074	0.034
49	4.08	0.20	0.107	(0.562)	0.074	0.034
50	4.17	0.20	0.107	(0.560)	0.074	0.034
51	4.25	0.20	0.107	(0.558)	0.074	0.034
52	4.33	0.23	0.125	(0.555)	0.086	0.039
53	4.42	0.23	0.125	(0.553)	0.086	0.039
54	4.50	0.23	0.125	(0.550)	0.086	0.039
55	4.58	0.23	0.125	(0.548)	0.086	0.039
56	4.67	0.23	0.125	(0.546)	0.086	0.039
57	4.75	0.23	0.125	(0.543)	0.086	0.039
58	4.83	0.27	0.143	(0.541)	0.098	0.045
59	4.92	0.27	0.143	(0.539)	0.098	0.045
60	5.00	0.27	0.143	(0.536)	0.098	0.045
61	5.08	0.20	0.107	(0.534)	0.074	0.034
62	5.17	0.20	0.107	(0.532)	0.074	0.034
63	5.25	0.20	0.107	(0.529)	0.074	0.034
64	5.33	0.23	0.125	(0.527)	0.086	0.039
65	5.42	0.23	0.125	(0.525)	0.086	0.039
66	5.50	0.23	0.125	(0.522)	0.086	0.039
67	5.58	0.27	0.143	(0.520)	0.098	0.045
68	5.67	0.27	0.143	(0.518)	0.098	0.045
69	5.75	0.27	0.143	(0.516)	0.098	0.045
70	5.83	0.27	0.143	(0.513)	0.098	0.045
71	5.92	0.27	0.143	(0.511)	0.098	0.045
72	6.00	0.27	0.143	(0.509)	0.098	0.045
73	6.08	0.30	0.161	(0.506)	0.111	0.050
74	6.17	0.30	0.161	(0.504)	0.111	0.050
75	6.25	0.30	0.161	(0.502)	0.111	0.050
76	6.33	0.30	0.161	(0.500)	0.111	0.050
77	6.42	0.30	0.161	(0.497)	0.111	0.050
78	6.50	0.30	0.161	(0.495)	0.111	0.050
79	6.58	0.33	0.179	(0.493)	0.123	0.056
80	6.67	0.33	0.179	(0.491)	0.123	0.056
81	6.75	0.33	0.179	(0.489)	0.123	0.056
82	6.83	0.33	0.179	(0.486)	0.123	0.056
83	6.92	0.33	0.179	(0.484)	0.123	0.056
84	7.00	0.33	0.179	(0.482)	0.123	0.056
85	7.08	0.33	0.179	(0.480)	0.123	0.056
86	7.17	0.33	0.179	(0.478)	0.123	0.056
87	7.25	0.33	0.179	(0.475)	0.123	0.056
88	7.33	0.37	0.197	(0.473)	0.135	0.062
89	7.42	0.37	0.197	(0.471)	0.135	0.062
90	7.50	0.37	0.197	(0.469)	0.135	0.062
91	7.58	0.40	0.214	(0.467)	0.147	0.067
92	7.67	0.40	0.214	(0.465)	0.147	0.067
93	7.75	0.40	0.214	(0.463)	0.147	0.067
94	7.83	0.43	0.232	(0.460)	0.160	0.073
95	7.92	0.43	0.232	(0.458)	0.160	0.073
96	8.00	0.43	0.232	(0.456)	0.160	0.073
97	8.08	0.50	0.268	(0.454)	0.184	0.084
98	8.17	0.50	0.268	(0.452)	0.184	0.084
99	8.25	0.50	0.268	(0.450)	0.184	0.084
100	8.33	0.50	0.268	(0.448)	0.184	0.084
101	8.42	0.50	0.268	(0.446)	0.184	0.084
102	8.50	0.50	0.268	(0.444)	0.184	0.084
103	8.58	0.53	0.286	(0.441)	0.197	0.089

104	8.67	0.53	0.286	(0.439)	0.197	0.089
105	8.75	0.53	0.286	(0.437)	0.197	0.089
106	8.83	0.57	0.304	(0.435)	0.209	0.095
107	8.92	0.57	0.304	(0.433)	0.209	0.095
108	9.00	0.57	0.304	(0.431)	0.209	0.095
109	9.08	0.63	0.340	(0.429)	0.233	0.106
110	9.17	0.63	0.340	(0.427)	0.233	0.106
111	9.25	0.63	0.340	(0.425)	0.233	0.106
112	9.33	0.67	0.357	(0.423)	0.246	0.112
113	9.42	0.67	0.357	(0.421)	0.246	0.112
114	9.50	0.67	0.357	(0.419)	0.246	0.112
115	9.58	0.70	0.375	(0.417)	0.258	0.117
116	9.67	0.70	0.375	(0.415)	0.258	0.117
117	9.75	0.70	0.375	(0.413)	0.258	0.117
118	9.83	0.73	0.393	(0.411)	0.270	0.123
119	9.92	0.73	0.393	(0.409)	0.270	0.123
120	10.00	0.73	0.393	(0.407)	0.270	0.123
121	10.08	0.50	0.268	(0.405)	0.184	0.084
122	10.17	0.50	0.268	(0.403)	0.184	0.084
123	10.25	0.50	0.268	(0.401)	0.184	0.084
124	10.33	0.50	0.268	(0.399)	0.184	0.084
125	10.42	0.50	0.268	(0.397)	0.184	0.084
126	10.50	0.50	0.268	(0.395)	0.184	0.084
127	10.58	0.67	0.357	(0.393)	0.246	0.112
128	10.67	0.67	0.357	(0.391)	0.246	0.112
129	10.75	0.67	0.357	(0.390)	0.246	0.112
130	10.83	0.67	0.357	(0.388)	0.246	0.112
131	10.92	0.67	0.357	(0.386)	0.246	0.112
132	11.00	0.67	0.357	(0.384)	0.246	0.112
133	11.08	0.63	0.340	(0.382)	0.233	0.106
134	11.17	0.63	0.340	(0.380)	0.233	0.106
135	11.25	0.63	0.340	(0.378)	0.233	0.106
136	11.33	0.63	0.340	(0.376)	0.233	0.106
137	11.42	0.63	0.340	(0.374)	0.233	0.106
138	11.50	0.63	0.340	(0.373)	0.233	0.106
139	11.58	0.57	0.304	(0.371)	0.209	0.095
140	11.67	0.57	0.304	(0.369)	0.209	0.095
141	11.75	0.57	0.304	(0.367)	0.209	0.095
142	11.83	0.60	0.322	(0.365)	0.221	0.101
143	11.92	0.60	0.322	(0.363)	0.221	0.101
144	12.00	0.60	0.322	(0.362)	0.221	0.101
145	12.08	0.83	0.447	(0.360)	0.307	0.140
146	12.17	0.83	0.447	(0.358)	0.307	0.140
147	12.25	0.83	0.447	(0.356)	0.307	0.140
148	12.33	0.87	0.465	(0.354)	0.319	0.145
149	12.42	0.87	0.465	(0.353)	0.319	0.145
150	12.50	0.87	0.465	(0.351)	0.319	0.145
151	12.58	0.93	0.500	(0.349)	0.344	0.157
152	12.67	0.93	0.500	(0.347)	0.344	0.157
153	12.75	0.93	0.500	(0.346)	0.344	0.157
154	12.83	0.97	0.518	0.344	(0.356)	0.175
155	12.92	0.97	0.518	0.342	(0.356)	0.176
156	13.00	0.97	0.518	0.340	(0.356)	0.178
157	13.08	1.13	0.608	0.339	(0.418)	0.269
158	13.17	1.13	0.608	0.337	(0.418)	0.271
159	13.25	1.13	0.608	0.335	(0.418)	0.273
160	13.33	1.13	0.608	0.333	(0.418)	0.274
161	13.42	1.13	0.608	0.332	(0.418)	0.276
162	13.50	1.13	0.608	0.330	(0.418)	0.278
163	13.58	0.77	0.411	(0.328)	0.283	0.129
164	13.67	0.77	0.411	(0.327)	0.283	0.129
165	13.75	0.77	0.411	(0.325)	0.283	0.129
166	13.83	0.77	0.411	(0.323)	0.283	0.129
167	13.92	0.77	0.411	(0.322)	0.283	0.129
168	14.00	0.77	0.411	(0.320)	0.283	0.129
169	14.08	0.90	0.483	0.319	(0.332)	0.164
170	14.17	0.90	0.483	0.317	(0.332)	0.166

171	14.25	0.90	0.483	0.315	(0.332)	0.167
172	14.33	0.87	0.465	0.314	(0.319)	0.151
173	14.42	0.87	0.465	0.312	(0.319)	0.153
174	14.50	0.87	0.465	0.310	(0.319)	0.154
175	14.58	0.87	0.465	0.309	(0.319)	0.156
176	14.67	0.87	0.465	0.307	(0.319)	0.157
177	14.75	0.87	0.465	0.306	(0.319)	0.159
178	14.83	0.83	0.447	0.304	(0.307)	0.143
179	14.92	0.83	0.447	0.303	(0.307)	0.144
180	15.00	0.83	0.447	0.301	(0.307)	0.146
181	15.08	0.80	0.429	(0.299)	0.295	0.134
182	15.17	0.80	0.429	(0.298)	0.295	0.134
183	15.25	0.80	0.429	(0.296)	0.295	0.134
184	15.33	0.77	0.411	(0.295)	0.283	0.129
185	15.42	0.77	0.411	(0.293)	0.283	0.129
186	15.50	0.77	0.411	(0.292)	0.283	0.129
187	15.58	0.63	0.340	(0.290)	0.233	0.106
188	15.67	0.63	0.340	(0.289)	0.233	0.106
189	15.75	0.63	0.340	(0.287)	0.233	0.106
190	15.83	0.63	0.340	(0.286)	0.233	0.106
191	15.92	0.63	0.340	(0.284)	0.233	0.106
192	16.00	0.63	0.340	(0.283)	0.233	0.106
193	16.08	0.13	0.071	(0.282)	0.049	0.022
194	16.17	0.13	0.071	(0.280)	0.049	0.022
195	16.25	0.13	0.071	(0.279)	0.049	0.022
196	16.33	0.13	0.071	(0.277)	0.049	0.022
197	16.42	0.13	0.071	(0.276)	0.049	0.022
198	16.50	0.13	0.071	(0.274)	0.049	0.022
199	16.58	0.10	0.054	(0.273)	0.037	0.017
200	16.67	0.10	0.054	(0.272)	0.037	0.017
201	16.75	0.10	0.054	(0.270)	0.037	0.017
202	16.83	0.10	0.054	(0.269)	0.037	0.017
203	16.92	0.10	0.054	(0.268)	0.037	0.017
204	17.00	0.10	0.054	(0.266)	0.037	0.017
205	17.08	0.17	0.089	(0.265)	0.061	0.028
206	17.17	0.17	0.089	(0.264)	0.061	0.028
207	17.25	0.17	0.089	(0.262)	0.061	0.028
208	17.33	0.17	0.089	(0.261)	0.061	0.028
209	17.42	0.17	0.089	(0.260)	0.061	0.028
210	17.50	0.17	0.089	(0.258)	0.061	0.028
211	17.58	0.17	0.089	(0.257)	0.061	0.028
212	17.67	0.17	0.089	(0.256)	0.061	0.028
213	17.75	0.17	0.089	(0.254)	0.061	0.028
214	17.83	0.13	0.071	(0.253)	0.049	0.022
215	17.92	0.13	0.071	(0.252)	0.049	0.022
216	18.00	0.13	0.071	(0.251)	0.049	0.022
217	18.08	0.13	0.071	(0.249)	0.049	0.022
218	18.17	0.13	0.071	(0.248)	0.049	0.022
219	18.25	0.13	0.071	(0.247)	0.049	0.022
220	18.33	0.13	0.071	(0.246)	0.049	0.022
221	18.42	0.13	0.071	(0.245)	0.049	0.022
222	18.50	0.13	0.071	(0.243)	0.049	0.022
223	18.58	0.10	0.054	(0.242)	0.037	0.017
224	18.67	0.10	0.054	(0.241)	0.037	0.017
225	18.75	0.10	0.054	(0.240)	0.037	0.017
226	18.83	0.07	0.036	(0.239)	0.025	0.011
227	18.92	0.07	0.036	(0.238)	0.025	0.011
228	19.00	0.07	0.036	(0.237)	0.025	0.011
229	19.08	0.10	0.054	(0.235)	0.037	0.017
230	19.17	0.10	0.054	(0.234)	0.037	0.017
231	19.25	0.10	0.054	(0.233)	0.037	0.017
232	19.33	0.13	0.071	(0.232)	0.049	0.022
233	19.42	0.13	0.071	(0.231)	0.049	0.022
234	19.50	0.13	0.071	(0.230)	0.049	0.022
235	19.58	0.10	0.054	(0.229)	0.037	0.017
236	19.67	0.10	0.054	(0.228)	0.037	0.017
237	19.75	0.10	0.054	(0.227)	0.037	0.017

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238  19.83     0.07      0.036       (  0.226)       0.025        0.011
239  19.92     0.07      0.036       (  0.225)       0.025        0.011
240  20.00     0.07      0.036       (  0.224)       0.025        0.011
241  20.08     0.10      0.054       (  0.223)       0.037        0.017
242  20.17     0.10      0.054       (  0.222)       0.037        0.017
243  20.25     0.10      0.054       (  0.221)       0.037        0.017
244  20.33     0.10      0.054       (  0.220)       0.037        0.017
245  20.42     0.10      0.054       (  0.219)       0.037        0.017
246  20.50     0.10      0.054       (  0.218)       0.037        0.017
247  20.58     0.10      0.054       (  0.217)       0.037        0.017
248  20.67     0.10      0.054       (  0.216)       0.037        0.017
249  20.75     0.10      0.054       (  0.215)       0.037        0.017
250  20.83     0.07      0.036       (  0.214)       0.025        0.011
251  20.92     0.07      0.036       (  0.214)       0.025        0.011
252  21.00     0.07      0.036       (  0.213)       0.025        0.011
253  21.08     0.10      0.054       (  0.212)       0.037        0.017
254  21.17     0.10      0.054       (  0.211)       0.037        0.017
255  21.25     0.10      0.054       (  0.210)       0.037        0.017
256  21.33     0.07      0.036       (  0.209)       0.025        0.011
257  21.42     0.07      0.036       (  0.209)       0.025        0.011
258  21.50     0.07      0.036       (  0.208)       0.025        0.011
259  21.58     0.10      0.054       (  0.207)       0.037        0.017
260  21.67     0.10      0.054       (  0.206)       0.037        0.017
261  21.75     0.10      0.054       (  0.206)       0.037        0.017
262  21.83     0.07      0.036       (  0.205)       0.025        0.011
263  21.92     0.07      0.036       (  0.204)       0.025        0.011
264  22.00     0.07      0.036       (  0.203)       0.025        0.011
265  22.08     0.10      0.054       (  0.203)       0.037        0.017
266  22.17     0.10      0.054       (  0.202)       0.037        0.017
267  22.25     0.10      0.054       (  0.202)       0.037        0.017
268  22.33     0.07      0.036       (  0.201)       0.025        0.011
269  22.42     0.07      0.036       (  0.200)       0.025        0.011
270  22.50     0.07      0.036       (  0.200)       0.025        0.011
271  22.58     0.07      0.036       (  0.199)       0.025        0.011
272  22.67     0.07      0.036       (  0.199)       0.025        0.011
273  22.75     0.07      0.036       (  0.198)       0.025        0.011
274  22.83     0.07      0.036       (  0.197)       0.025        0.011
275  22.92     0.07      0.036       (  0.197)       0.025        0.011
276  23.00     0.07      0.036       (  0.197)       0.025        0.011
277  23.08     0.07      0.036       (  0.196)       0.025        0.011
278  23.17     0.07      0.036       (  0.196)       0.025        0.011
279  23.25     0.07      0.036       (  0.195)       0.025        0.011
280  23.33     0.07      0.036       (  0.195)       0.025        0.011
281  23.42     0.07      0.036       (  0.194)       0.025        0.011
282  23.50     0.07      0.036       (  0.194)       0.025        0.011
283  23.58     0.07      0.036       (  0.194)       0.025        0.011
284  23.67     0.07      0.036       (  0.193)       0.025        0.011
285  23.75     0.07      0.036       (  0.193)       0.025        0.011
286  23.83     0.07      0.036       (  0.193)       0.025        0.011
287  23.92     0.07      0.036       (  0.193)       0.025        0.011
288  24.00     0.07      0.036       (  0.193)       0.025        0.011
            (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    17.4
     Flood volume = Effective rainfall      1.45(In)
      times area      51.4(Ac.)/[(In)/(Ft.)] =       6.2(Ac.Ft)
     Total soil loss =      3.02(In)
     Total soil loss =    12.926(Ac.Ft)
     Total rainfall =      4.47(In)
     Flood volume =      271191.8 Cubic Feet
     Total soil loss =      563056.2 Cubic Feet
     ------------------------------------------------------------------------
      Peak flow rate of this hydrograph =     14.318(CFS)
     ------------------------------------------------------------------------
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        24 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
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Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0015	0.21	Q				
0+10	0.0048	0.48	Q				
0+15	0.0085	0.54	VQ				
0+20	0.0131	0.67	VQ				
0+25	0.0187	0.82	VQ				
0+30	0.0246	0.85	VQ				
0+35	0.0305	0.86	VQ				
0+40	0.0365	0.87	VQ				
0+45	0.0425	0.87	VQ				
0+50	0.0492	0.98	VQ				
0+55	0.0569	1.11	V Q				
1+ 0	0.0647	1.14	V Q				
1+ 5	0.0719	1.05	V Q				
1+10	0.0783	0.92	VQ				
1+15	0.0844	0.89	VQ				
1+20	0.0904	0.88	VQ				
1+25	0.0964	0.87	VQ				
1+30	0.1024	0.87	VQ				
1+35	0.1084	0.87	VQ				
1+40	0.1144	0.87	VQ				
1+45	0.1204	0.87	VQ				
1+50	0.1271	0.98	VQ				
1+55	0.1348	1.11	V Q				
2+ 0	0.1426	1.14	V Q				
2+ 5	0.1505	1.15	V Q				
2+10	0.1585	1.16	|VQ				
2+15	0.1665	1.16	|VQ				
2+20	0.1745	1.16	|VQ				
2+25	0.1825	1.16	|VQ				
2+30	0.1905	1.16	|VQ				
2+35	0.1992	1.27	|VQ				
2+40	0.2088	1.40	|VQ				
2+45	0.2187	1.43	|VQ				
2+50	0.2286	1.44	|VQ				
2+55	0.2386	1.45	|VQ				
3+ 0	0.2486	1.45	|VQ				
3+ 5	0.2586	1.45	|VQ				
3+10	0.2686	1.45	|VQ				
3+15	0.2785	1.45	|VQ				
3+20	0.2885	1.45	|VQ				
3+25	0.2985	1.45	|VQ				
3+30	0.3085	1.45	|VQ				
3+35	0.3185	1.45	| Q				
3+40	0.3285	1.45	| Q				
3+45	0.3384	1.45	| Q				
3+50	0.3492	1.56	| VQ				
3+55	0.3608	1.69	| VQ				
4+ 0	0.3726	1.72	| VQ				
4+ 5	0.3846	1.73	| VQ				
4+10	0.3965	1.74	| VQ				
4+15	0.4085	1.74	| VQ				
4+20	0.4212	1.85	| VQ				
4+25	0.4349	1.98	| VQ				
4+30	0.4487	2.01	| V Q				
4+35	0.4626	2.02	| V Q				
4+40	0.4766	2.03	| VQ				
4+45	0.4906	2.03	| VQ				
4+50	0.5053	2.14	| VQ				
4+55	0.5209	2.27	| VQ				
5+ 0	0.5368	2.30	| VQ				
5+ 5	0.5512	2.10	| VQ				
5+10	0.5639	1.84	| Q				

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 5+15       0.5762      1.78  |  Q       |          |          |          |
 5+20       0.5890      1.86  |  Q       |          |          |          |
 5+25       0.6026      1.98  |  Q       |          |          |          |
 5+30       0.6165      2.01  |  VQ      |          |          |          |
 5+35       0.6311      2.13  |   Q      |          |          |          |
 5+40       0.6467      2.27  |   Q      |          |          |          |
 5+45       0.6626      2.30  |   Q      |          |          |          |
 5+50       0.6785      2.31  |   Q      |          |          |          |
 5+55       0.6945      2.32  |   Q      |          |          |          |
 6+ 0       0.7104      2.32  |   Q      |          |          |          |
 6+ 5       0.7272      2.43  |   Q      |          |          |          |
 6+10       0.7448      2.56  |   VQ     |          |          |          |
 6+15       0.7626      2.59  |   VQ     |          |          |          |
 6+20       0.7805      2.60  |    Q     |          |          |          |
 6+25       0.7985      2.61  |    Q     |          |          |          |
 6+30       0.8165      2.61  |    Q     |          |          |          |
 6+35       0.8352      2.72  |    Q     |          |          |          |
 6+40       0.8548      2.85  |    Q     |          |          |          |
 6+45       0.8746      2.88  |    Q     |          |          |          |
 6+50       0.8945      2.89  |    Q     |          |          |          |
 6+55       0.9145      2.90  |    Q     |          |          |          |
 7+ 0       0.9345      2.90  |    QV    |          |          |          |
 7+ 5       0.9545      2.90  |    QV    |          |          |          |
 7+10       0.9744      2.90  |    QV    |          |          |          |
 7+15       0.9944      2.90  |    QV    |          |          |          |
 7+20       1.0151      3.01  |     Q    |          |          |          |
 7+25       1.0367      3.14  |     Q    |          |          |          |
 7+30       1.0585      3.17  |     Q    |          |          |          |
 7+35       1.0812      3.29  |     Q    |          |          |          |
 7+40       1.1048      3.43  |     QV   |          |          |          |
 7+45       1.1286      3.46  |     QV   |          |          |          |
 7+50       1.1533      3.58  |      Q   |          |          |          |
 7+55       1.1789      3.72  |      Q   |          |          |          |
 8+ 0       1.2047      3.75  |      Q   |          |          |          |
 8+ 5       1.2321      3.97  |      Q   |          |          |          |
 8+10       1.2613      4.25  |       Q  |          |          |          |
 8+15       1.2910      4.31  |       Q  |          |          |          |
 8+20       1.3209      4.33  |       Q  |          |          |          |
 8+25       1.3508      4.35  |       Q  |          |          |          |
 8+30       1.3808      4.35  |       Q  |          |          |          |
 8+35       1.4115      4.46  |       QV |          |          |          |
 8+40       1.4431      4.59  |        Q |          |          |          |
 8+45       1.4749      4.62  |        Q |          |          |          |
 8+50       1.5075      4.74  |        Q |          |          |          |
 8+55       1.5411      4.88  |        Q |          |          |          |
 9+ 0       1.5749      4.91  |        QV          |          |          |
 9+ 5       1.6103      5.13  |         Q          |          |          |
 9+10       1.6475      5.41  |         Q          |          |          |
 9+15       1.6852      5.47  |         Q          |          |          |
 9+20       1.7237      5.60  |          |Q        |          |          |
 9+25       1.7633      5.75  |          |Q        |          |          |
 9+30       1.8031      5.78  |          |Q        |          |          |
 9+35       1.8437      5.90  |          |Q        |          |          |
 9+40       1.8853      6.04  |          | Q       |          |          |
 9+45       1.9271      6.07  |          | Q       |          |          |
 9+50       1.9697      6.19  |          | Q       |          |          |
 9+55       2.0133      6.33  |          | Q       |          |          |
10+ 0       2.0571      6.36  |          | QV      |          |          |
10+ 5       2.0959      5.62  |          |Q V      |          |          |
10+10       2.1282      4.70  |        Q |  V      |          |          |
10+15       2.1592      4.49  |       Q  |  V      |          |          |
10+20       2.1895      4.40  |       Q  |   V     |          |          |
10+25       2.2195      4.35  |       Q  |   V     |          |          |
10+30       2.2494      4.35  |       Q  |   V     |          |          |
10+35       2.2830      4.88  |        Q |   V     |          |          |
10+40       2.3212      5.55  |          |Q  V     |          |          |
10+45       2.3605      5.70  |          |Q   V    |          |          |
```

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10+50       2.4001      5.76  |          |Q   V    |          |          |
10+55       2.4401      5.80  |          |Q   V    |          |          |
11+ 0       2.4800      5.80  |          |Q   V    |          |          |
11+ 5       2.5192      5.69  |          |Q    V   |          |          |
11+10       2.5575      5.56  |          |Q    V   |          |          |
11+15       2.5956      5.53  |          |Q    V   |          |          |
11+20       2.6336      5.52  |          |Q    V   |          |          |
11+25       2.6715      5.51  |          |Q     V  |          |          |
11+30       2.7095      5.51  |          |Q     V  |          |          |
11+35       2.7459      5.30  |          Q      V  |          |          |
11+40       2.7806      5.03  |          Q      V  |          |          |
11+45       2.8148      4.97  |         Q|       V |          |          |
11+50       2.8496      5.05  |          Q       V |          |          |
11+55       2.8852      5.17  |          Q       V |          |          |
12+ 0       2.9210      5.20  |          Q       V |          |          |
12+ 5       2.9620      5.96  |          |Q       V|          |          |
12+10       3.0095      6.90  |          |  Q     V|          |          |
12+15       3.0585      7.11  |          |   Q    V|          |          |
12+20       3.1087      7.30  |          |   Q    V|          |          |
12+25       3.1603      7.49  |          |   Q     V          |          |
12+30       3.2121      7.52  |          |    Q    V          |          |
12+35       3.2654      7.74  |          |    Q    V          |          |
12+40       3.3207      8.02  |          |     Q   |V          |          |
12+45       3.3763      8.08  |          |     Q   |V          |          |
12+50       3.4345      8.45  |          |     Q   | V         |          |
12+55       3.4959      8.92  |          |      Q  | V         |          |
13+ 0       3.5585      9.09  |          |       Q | V         |          |
13+ 5       3.6338     10.92  |          |         |Q V        |          |
13+10       3.7244     13.16  |          |         |  V  Q     |          |
13+15       3.8189     13.73  |          |         |   V  Q    |          |
13+20       3.9155     14.02  |          |         |    V  Q   |          |
13+25       4.0135     14.23  |          |         |    V  Q   |          |
13+30       4.1121     14.32  |          |         |     V Q   |          |
13+35       4.1915     11.53  |          |         |  Q  V     |          |
13+40       4.2466      8.00  |          |     Q   |      V    |          |
13+45       4.2963      7.21  |          |   Q     |      V    |          |
13+50       4.3436      6.87  |          |  Q      |      V    |          |
13+55       4.3895      6.67  |          |  Q      |       V   |          |
14+ 0       4.4355      6.67  |          |  Q      |       V   |          |
14+ 5       4.4860      7.35  |          |   Q     |       V   |          |
14+10       4.5427      8.22  |          |     Q   |        V  |          |
14+15       4.6011      8.48  |          |     Q   |        V  |          |
14+20       4.6582      8.30  |          |     Q   |        V  |          |
14+25       4.7134      8.00  |          |     Q   |         V |          |
14+30       4.7684      7.99  |          |    Q    |         V |          |
14+35       4.8237      8.03  |          |     Q   |         V |          |
14+40       4.8795      8.09  |          |     Q   |         |V          |
14+45       4.9357      8.17  |          |     Q   |         |V          |
14+50       4.9903      7.91  |          |    Q    |         | V         |
14+55       5.0424      7.57  |          |    Q    |         | V         |
15+ 0       5.0944      7.56  |          |    Q    |         | V         |
15+ 5       5.1450      7.34  |          |   Q     |         |  V        |
15+10       5.1936      7.06  |          |   Q     |         |  V        |
15+15       5.2418      7.00  |          |  Q      |         |  V        |
15+20       5.2891      6.87  |          |  Q      |         |  V        |
15+25       5.3354      6.72  |          |  Q      |         |   V       |
15+30       5.3814      6.69  |          |  Q      |         |   V       |
15+35       5.4245      6.25  |          | Q       |         |   V       |
15+40       5.4638      5.71  |          |Q        |         |    V      |
15+45       5.5023      5.59  |          |Q        |         |    V      |
15+50       5.5405      5.54  |          |Q        |         |    V      |
15+55       5.5784      5.51  |          |Q        |         |    V      |
16+ 0       5.6164      5.51  |          |Q        |         |     V     |
16+ 5       5.6433      3.91  |       Q  |         |         |     V     |
16+10       5.6565      1.92  |  Q       |         |         |     V     |
16+15       5.6666      1.47  | Q        |         |         |     V     |
16+20       5.6753      1.27  | Q        |         |         |     V     |
```

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16+25       5.6833      1.16  | Q       |         |         |     V   |
16+30       5.6913      1.16  | Q       |         |         |     V   |
16+35       5.6986      1.05  | Q       |         |         |     V   |
16+40       5.7049      0.92  |Q        |         |         |     V   |
16+45       5.7110      0.89  |Q        |         |         |     V   |
16+50       5.7171      0.88  |Q        |         |         |     V   |
16+55       5.7231      0.87  |Q        |         |         |     V   |
17+ 0       5.7291      0.87  |Q        |         |         |     V   |
17+ 5       5.7365      1.08  | Q       |         |         |     V   |
17+10       5.7458      1.35  | Q       |         |         |     V   |
17+15       5.7555      1.41  | Q       |         |         |     V   |
17+20       5.7654      1.43  | Q       |         |         |      V  |
17+25       5.7754      1.45  | Q       |         |         |      V  |
17+30       5.7854      1.45  | Q       |         |         |      V  |
17+35       5.7954      1.45  | Q       |         |         |      V  |
17+40       5.8053      1.45  | Q       |         |         |      V  |
17+45       5.8153      1.45  | Q       |         |         |      V  |
17+50       5.8246      1.34  | Q       |         |         |      V  |
17+55       5.8329      1.21  | Q       |         |         |      V  |
18+ 0       5.8410      1.18  | Q       |         |         |      V  |
18+ 5       5.8491      1.17  | Q       |         |         |      V  |
18+10       5.8571      1.16  | Q       |         |         |      V  |
18+15       5.8650      1.16  | Q       |         |         |      V  |
18+20       5.8730      1.16  | Q       |         |         |      V  |
18+25       5.8810      1.16  | Q       |         |         |      V  |
18+30       5.8890      1.16  | Q       |         |         |      V  |
18+35       5.8963      1.05  | Q       |         |         |      V  |
18+40       5.9026      0.92  |Q        |         |         |      V  |
18+45       5.9087      0.89  |Q        |         |         |      V  |
18+50       5.9140      0.77  |Q        |         |         |      V  |
18+55       5.9184      0.63  |Q        |         |         |       V |
19+ 0       5.9225      0.60  |Q        |         |         |       V |
19+ 5       5.9273      0.69  |Q        |         |         |       V |
19+10       5.9329      0.82  |Q        |         |         |       V |
19+15       5.9388      0.85  |Q        |         |         |       V |
19+20       5.9455      0.97  |Q        |         |         |       V |
19+25       5.9531      1.11  | Q       |         |         |       V |
19+30       5.9610      1.14  | Q       |         |         |       V |
19+35       5.9682      1.05  | Q       |         |         |       V |
19+40       5.9745      0.92  |Q        |         |         |       V |
19+45       5.9806      0.89  |Q        |         |         |       V |
19+50       5.9859      0.77  |Q        |         |         |       V |
19+55       5.9903      0.63  |Q        |         |         |       V |
20+ 0       5.9944      0.60  |Q        |         |         |       V |
20+ 5       5.9992      0.69  |Q        |         |         |       V |
20+10       6.0048      0.82  |Q        |         |         |       V |
20+15       6.0107      0.85  |Q        |         |         |       V |
20+20       6.0166      0.86  |Q        |         |         |       V |
20+25       6.0226      0.87  |Q        |         |         |       V |
20+30       6.0286      0.87  |Q        |         |         |       V |
20+35       6.0346      0.87  |Q        |         |         |       V |
20+40       6.0406      0.87  |Q        |         |         |       V |
20+45       6.0466      0.87  |Q        |         |         |       V |
20+50       6.0518      0.76  |Q        |         |         |       V |
20+55       6.0562      0.63  |Q        |         |         |       V |
21+ 0       6.0603      0.60  |Q        |         |         |       V |
21+ 5       6.0651      0.69  |Q        |         |         |       V |
21+10       6.0707      0.82  |Q        |         |         |        V|
21+15       6.0766      0.85  |Q        |         |         |        V|
21+20       6.0818      0.76  |Q        |         |         |        V|
21+25       6.0861      0.63  |Q        |         |         |        V|
21+30       6.0903      0.60  |Q        |         |         |        V|
21+35       6.0950      0.69  |Q        |         |         |        V|
21+40       6.1007      0.82  |Q        |         |         |        V|
21+45       6.1065      0.85  |Q        |         |         |        V|
21+50       6.1117      0.76  |Q        |         |         |        V|
21+55       6.1161      0.63  |Q        |         |         |        V|
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   22+ 0       6.1202      0.60  |Q        |         |         |        V|
   22+ 5       6.1250      0.69  |Q        |         |         |        V|
   22+10       6.1306      0.82  |Q        |         |         |        V|
   22+15       6.1365      0.85  |Q        |         |         |        V|
   22+20       6.1417      0.76  |Q        |         |         |        V|
   22+25       6.1460      0.63  |Q        |         |         |        V|
   22+30       6.1502      0.60  |Q        |         |         |        V|
   22+35       6.1542      0.59  |Q        |         |         |        V|
   22+40       6.1582      0.58  |Q        |         |         |        V|
   22+45       6.1622      0.58  |Q        |         |         |        V|
   22+50       6.1662      0.58  |Q        |         |         |        V|
   22+55       6.1702      0.58  |Q        |         |         |        V|
   23+ 0       6.1742      0.58  |Q        |         |         |        V|
   23+ 5       6.1782      0.58  |Q        |         |         |        V|
   23+10       6.1822      0.58  |Q        |         |         |        V|
   23+15       6.1862      0.58  |Q        |         |         |        V|
   23+20       6.1902      0.58  |Q        |         |         |        V|
   23+25       6.1941      0.58  |Q        |         |         |        V|
   23+30       6.1981      0.58  |Q        |         |         |        V|
   23+35       6.2021      0.58  |Q        |         |         |        V|
   23+40       6.2061      0.58  |Q        |         |         |        V|
   23+45       6.2101      0.58  |Q        |         |         |        V|
   23+50       6.2141      0.58  |Q        |         |         |        V|
   23+55       6.2181      0.58  |Q        |         |         |        V|
   24+ 0       6.2221      0.58  |Q        |         |         |        V|
   24+ 5       6.2246      0.37  Q         |         |         |        V|
   24+10       6.2253      0.10  Q         |         |         |        V|
   24+15       6.2256      0.04  Q         |         |         |        V|
   24+20       6.2257      0.02  Q         |         |         |         V
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/13/21 File: RVPRE1100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN E- PROPOSED UNIT HYDROGRAPH
100YR-1HRS

Drainage Area = 51.43(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.43(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 2597.00(Ft.)
Length along longest watercourse measured to centroid = 1241.50(Ft.)
Length along longest watercourse = 0.492 Mi.
Length along longest watercourse measured to centroid = 0.235 Mi.
Difference in elevation = 208.00(Ft.)
Slope along watercourse = 422.8879 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.050 Hr.
Lag time = 3.02 Min.
25% of lag time = 0.75 Min.
40% of lag time = 1.21 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	0.55	28.29

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	1.30	66.86

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 1.300(In)
Areal adjustment factor = 99.95 %
Adjusted average point rain = 1.299(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.430	74.50	0.266

Total Area Entered = 51.43(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      74.5  87.7      0.156     0.266        0.119       1.000      0.119
                                                          Sum (F) =   0.119
      Area averaged mean soil loss (F) (In/Hr) =  0.385
      Minimum soil loss rate ((In/Hr)) =  0.193
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.687
      ------------------------------------------------------------------------
      Slope of intensity-duration curve for a 1 hour storm =0.5500
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------------
          1   0.083        165.768         36.785             19.066
          2   0.167        331.537         45.833             23.756
          3   0.250        497.305         10.344              5.361
          4   0.333        663.074          4.398              2.279
          5   0.417        828.842          2.640              1.369
                                    Sum = 100.000   Sum=       51.832
-------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
   1   0.08     3.30      0.515       (  0.385)       0.354        0.161
   2   0.17     4.20      0.655          0.385    (  0.450)        0.269
   3   0.25     4.40      0.686          0.385    (  0.471)        0.301
   4   0.33     4.80      0.748          0.385    (  0.514)        0.363
   5   0.42     5.20      0.811          0.385    (  0.557)        0.425
   6   0.50     6.20      0.967          0.385    (  0.664)        0.581
   7   0.58     6.80      1.060          0.385    (  0.729)        0.675
   8   0.67     8.80      1.372          0.385    (  0.943)        0.987
   9   0.75    13.90      2.167          0.385    (  1.489)        1.782
  10   0.83    31.40      4.896          0.385    (  3.365)        4.511
  11   0.92     7.20      1.123          0.385    (  0.772)        0.737
  12   1.00     3.80      0.593          0.385    (  0.407)        0.207
             (Loss Rate Not Used)
     Sum =     100.0                                  Sum =    11.0
       Flood volume = Effective rainfall      0.92(In)
        times area      51.4(Ac.)/[(In)/(Ft.)] =       3.9(Ac.Ft)
       Total soil loss =      0.38(In)
       Total soil loss =     1.640(Ac.Ft)
       Total rainfall =      1.30(In)
       Flood volume =      171127.1 Cubic Feet
       Total soil loss =       71458.0 Cubic Feet
       ------------------------------------------------------------------------
        Peak flow rate of this hydrograph =    136.030(CFS)
       ------------------------------------------------------------------------
       ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         1 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
       ------------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

       ------------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       50.0     100.0     150.0     200.0
  ------------------------------------------------------------------------
    0+ 5       0.0211      3.07  Q         |         |         |         |
```

```
    0+10       0.0829      8.97  VQ        |         |         |         |
    0+15       0.1725     13.00  |VQ       |         |         |         |
    0+20       0.2819     15.88  | VQ      |         |         |         |
    0+25       0.4140     19.19  |  QV     |         |         |         |
    0+30       0.5807     24.20  |   QV    |         |         |         |
    0+35       0.7888     30.21  |     Q V |         |         |         |
    0+40       1.0605     39.45  |      Q  V         |         |         |
    0+45       1.4942     62.98  |         | Q  V    |         |         |
    0+50       2.4311    136.03  |         |         |   V  Q  |         |
    0+55       3.3540    134.01  |         |         |     Q   |   V     |
    1+ 0       3.7058     51.09  |         Q         |         |      V  |
    1+ 5       3.8546     21.60  |   Q     |         |         |        V|
    1+10       3.9164      8.97  |Q        |         |         |        V|
    1+15       3.9266      1.48  Q         |         |         |        V|
    1+20       3.9285      0.28  Q         |         |         |        V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/13/21 File: RVPRE3100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN E- PROPOSED UNIT HYDROGRAPH
100YR-3HRS

Drainage Area = 51.43(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.43(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 2597.00(Ft.)
Length along longest watercourse measured to centroid = 1241.50(Ft.)
Length along longest watercourse = 0.492 Mi.
Length along longest watercourse measured to centroid = 0.235 Mi.
Difference in elevation = 208.00(Ft.)
Slope along watercourse = 422.8879 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.050 Hr.
Lag time = 3.02 Min.
25% of lag time = 0.75 Min.
40% of lag time = 1.21 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	1.10	56.57

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	2.00	102.86

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 2.000(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.430	74.50	0.266

Total Area Entered = 51.43(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      74.5  87.7      0.156     0.266        0.119       1.000      0.119
                                                        Sum (F) =   0.119
      Area averaged mean soil loss (F) (In/Hr) =  0.385
      Minimum soil loss rate ((In/Hr)) =  0.193
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.687
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------------
          1   0.083        165.768         36.785             19.066
          2   0.167        331.537         45.833             23.756
          3   0.250        497.305         10.344              5.361
          4   0.333        663.074          4.398              2.279
          5   0.417        828.842          2.640              1.369
                                   Sum = 100.000   Sum=       51.832
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.312	(0.385)	0.214	0.098
2	0.17	1.30	0.312	(0.385)	0.214	0.098
3	0.25	1.10	0.264	(0.385)	0.181	0.083
4	0.33	1.50	0.360	(0.385)	0.247	0.113
5	0.42	1.50	0.360	(0.385)	0.247	0.113
6	0.50	1.80	0.432	(0.385)	0.297	0.135
7	0.58	1.50	0.360	(0.385)	0.247	0.113
8	0.67	1.80	0.432	(0.385)	0.297	0.135
9	0.75	1.80	0.432	(0.385)	0.297	0.135
10	0.83	1.50	0.360	(0.385)	0.247	0.113
11	0.92	1.60	0.384	(0.385)	0.264	0.120
12	1.00	1.80	0.432	(0.385)	0.297	0.135
13	1.08	2.20	0.528	(0.385)	0.363	0.165
14	1.17	2.20	0.528	(0.385)	0.363	0.165
15	1.25	2.20	0.528	(0.385)	0.363	0.165
16	1.33	2.00	0.480	(0.385)	0.330	0.150
17	1.42	2.60	0.624	0.385	(0.429)	0.238
18	1.50	2.70	0.648	0.385	(0.445)	0.262
19	1.58	2.40	0.576	0.385	(0.396)	0.190
20	1.67	2.70	0.648	0.385	(0.445)	0.262
21	1.75	3.30	0.792	0.385	(0.544)	0.406
22	1.83	3.10	0.744	0.385	(0.511)	0.358
23	1.92	2.90	0.696	0.385	(0.478)	0.310
24	2.00	3.00	0.720	0.385	(0.495)	0.334
25	2.08	3.10	0.744	0.385	(0.511)	0.358
26	2.17	4.20	1.008	0.385	(0.693)	0.622
27	2.25	5.00	1.200	0.385	(0.824)	0.814
28	2.33	3.50	0.840	0.385	(0.577)	0.454
29	2.42	6.80	1.632	0.385	(1.121)	1.246
30	2.50	7.30	1.752	0.385	(1.204)	1.366
31	2.58	8.20	1.968	0.385	(1.352)	1.582
32	2.67	5.90	1.416	0.385	(0.973)	1.030
33	2.75	2.00	0.480	(0.385)	0.330	0.150
34	2.83	1.80	0.432	(0.385)	0.297	0.135
35	2.92	1.80	0.432	(0.385)	0.297	0.135
36	3.00	0.60	0.144	(0.385)	0.099	0.045

```
          (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    12.3
     Flood volume = Effective rainfall      1.03(In)
      times area      51.4(Ac.)/[(In)/(Ft.)] =       4.4(Ac.Ft)
     Total soil loss =      0.97(In)
     Total soil loss =     4.163(Ac.Ft)
     Total rainfall =      2.00(In)
     Flood volume =      191936.2 Cubic Feet
     Total soil loss =      181361.6 Cubic Feet
     ------------------------------------------------------------------------
      Peak flow rate of this hydrograph =     71.490(CFS)
     ------------------------------------------------------------------------
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        3 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
     ------------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ------------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       20.0      40.0      60.0      80.0
  ------------------------------------------------------------------------
    0+ 5       0.0128      1.86  Q         |         |         |         |
    0+10       0.0416      4.18  V Q       |         |         |         |
    0+15       0.0720      4.42  V Q       |         |         |         |
    0+20       0.1055      4.86  V Q       |         |         |         |
    0+25       0.1442      5.62  |VQ       |         |         |         |
    0+30       0.1868      6.18  |V Q      |         |         |         |
    0+35       0.2304      6.33  | VQ      |         |         |         |
    0+40       0.2744      6.39  | VQ      |         |         |         |
    0+45       0.3216      6.85  | VQ      |         |         |         |
    0+50       0.3665      6.53  |  Q      |         |         |         |
    0+55       0.4089      6.15  |  Q      |         |         |         |
    1+ 0       0.4539      6.53  |  QV     |         |         |         |
    1+ 5       0.5051      7.45  |  QV     |         |         |         |
    1+10       0.5618      8.23  |   QV    |         |         |         |
    1+15       0.6199      8.43  |   QV    |         |         |         |
    1+20       0.6766      8.24  |   Q V   |         |         |         |
    1+25       0.7427      9.60  |   Q V   |         |         |         |
    1+30       0.8260     12.08  |     QV  |         |         |         |
    1+35       0.9067     11.72  |    Q  V |         |         |         |
    1+40       0.9872     11.69  |    Q  V |         |         |         |
    1+45       1.0969     15.94  |      Q V|         |         |         |
    1+50       1.2257     18.70  |        Q|V        |         |         |
    1+55       1.3461     17.48  |       Q | V       |         |         |
    2+ 0       1.4630     16.97  |       Q |  V      |         |         |
    2+ 5       1.5857     17.83  |       Q |   V     |         |         |
    2+10       1.7468     23.38  |         |Q   V    |         |         |
    2+15       1.9770     33.44  |         |     QV  |         |         |
    2+20       2.2018     32.64  |         |     Q  V|         |         |
    2+25       2.4832     40.85  |         |         Q V       |         |
    2+30       2.9021     60.83  |         |         |     V   Q         |
    2+35       3.3945     71.49  |         |         |         V    Q    |
    2+40       3.8631     68.05  |         |         |         |   QV    |
    2+45       4.1432     40.66  |         |         Q         |      V  |
    2+50       4.2613     17.15  |       Q |         |         |       V |
    2+55       4.3378     11.11  |    Q    |         |         |        V|
    3+ 0       4.3829      6.55  |  Q      |         |         |        V|
    3+ 5       4.3988      2.31  |Q        |         |         |        V|
    3+10       4.4038      0.73  Q         |         |         |        V|
    3+15       4.4058      0.29  Q         |         |         |        V|
    3+20       4.4062      0.06  Q         |         |         |         V
  ------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/13/21 File: RVPRE6100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN E- PROPOSED UNIT HYDROGRAPH
100YR-6HRS

Drainage Area = 51.43(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.43(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 2597.00(Ft.)
Length along longest watercourse measured to centroid = 1241.50(Ft.)
Length along longest watercourse = 0.492 Mi.
Length along longest watercourse measured to centroid = 0.235 Mi.
Difference in elevation = 208.00(Ft.)
Slope along watercourse = 422.8879 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.050 Hr.
Lag time = 3.02 Min.
25% of lag time = 0.75 Min.
40% of lag time = 1.21 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	1.60	82.29

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	3.00	154.29

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 3.000(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.999(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.430	74.50	0.266

Total Area Entered = 51.43(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      74.5  87.7      0.156     0.266        0.119       1.000      0.119
                                                          Sum (F) =   0.119
      Area averaged mean soil loss (F) (In/Hr) =  0.385
      Minimum soil loss rate ((In/Hr)) =  0.193
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.687
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %            (CFS)
      ------------------------------------------------------------------------
              1   0.083        165.768         36.785             19.066
              2   0.167        331.537         45.833             23.756
              3   0.250        497.305         10.344              5.361
              4   0.333        663.074          4.398              2.279
              5   0.417        828.842          2.640              1.369
                                      Sum = 100.000   Sum=       51.832
----------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.180	(0.385)	0.124	0.056
2	0.17	0.60	0.216	(0.385)	0.148	0.068
3	0.25	0.60	0.216	(0.385)	0.148	0.068
4	0.33	0.60	0.216	(0.385)	0.148	0.068
5	0.42	0.60	0.216	(0.385)	0.148	0.068
6	0.50	0.70	0.252	(0.385)	0.173	0.079
7	0.58	0.70	0.252	(0.385)	0.173	0.079
8	0.67	0.70	0.252	(0.385)	0.173	0.079
9	0.75	0.70	0.252	(0.385)	0.173	0.079
10	0.83	0.70	0.252	(0.385)	0.173	0.079
11	0.92	0.70	0.252	(0.385)	0.173	0.079
12	1.00	0.80	0.288	(0.385)	0.198	0.090
13	1.08	0.80	0.288	(0.385)	0.198	0.090
14	1.17	0.80	0.288	(0.385)	0.198	0.090
15	1.25	0.80	0.288	(0.385)	0.198	0.090
16	1.33	0.80	0.288	(0.385)	0.198	0.090
17	1.42	0.80	0.288	(0.385)	0.198	0.090
18	1.50	0.80	0.288	(0.385)	0.198	0.090
19	1.58	0.80	0.288	(0.385)	0.198	0.090
20	1.67	0.80	0.288	(0.385)	0.198	0.090
21	1.75	0.80	0.288	(0.385)	0.198	0.090
22	1.83	0.80	0.288	(0.385)	0.198	0.090
23	1.92	0.80	0.288	(0.385)	0.198	0.090
24	2.00	0.90	0.324	(0.385)	0.223	0.101
25	2.08	0.80	0.288	(0.385)	0.198	0.090
26	2.17	0.90	0.324	(0.385)	0.223	0.101
27	2.25	0.90	0.324	(0.385)	0.223	0.101
28	2.33	0.90	0.324	(0.385)	0.223	0.101
29	2.42	0.90	0.324	(0.385)	0.223	0.101
30	2.50	0.90	0.324	(0.385)	0.223	0.101
31	2.58	0.90	0.324	(0.385)	0.223	0.101
32	2.67	0.90	0.324	(0.385)	0.223	0.101
33	2.75	1.00	0.360	(0.385)	0.247	0.113
34	2.83	1.00	0.360	(0.385)	0.247	0.113
35	2.92	1.00	0.360	(0.385)	0.247	0.113
36	3.00	1.00	0.360	(0.385)	0.247	0.113

```
37   3.08     1.00      0.360       (  0.385)       0.247        0.113
38   3.17     1.10      0.396       (  0.385)       0.272        0.124
39   3.25     1.10      0.396       (  0.385)       0.272        0.124
40   3.33     1.10      0.396       (  0.385)       0.272        0.124
41   3.42     1.20      0.432       (  0.385)       0.297        0.135
42   3.50     1.30      0.468       (  0.385)       0.322        0.146
43   3.58     1.40      0.504       (  0.385)       0.346        0.158
44   3.67     1.40      0.504       (  0.385)       0.346        0.158
45   3.75     1.50      0.540       (  0.385)       0.371        0.169
46   3.83     1.50      0.540       (  0.385)       0.371        0.169
47   3.92     1.60      0.576          0.385    (  0.396)       0.190
48   4.00     1.60      0.576          0.385    (  0.396)       0.190
49   4.08     1.70      0.612          0.385    (  0.420)       0.226
50   4.17     1.80      0.648          0.385    (  0.445)       0.262
51   4.25     1.90      0.684          0.385    (  0.470)       0.298
52   4.33     2.00      0.720          0.385    (  0.495)       0.334
53   4.42     2.10      0.756          0.385    (  0.519)       0.370
54   4.50     2.10      0.756          0.385    (  0.519)       0.370
55   4.58     2.20      0.792          0.385    (  0.544)       0.406
56   4.67     2.30      0.828          0.385    (  0.569)       0.442
57   4.75     2.40      0.864          0.385    (  0.594)       0.478
58   4.83     2.40      0.864          0.385    (  0.594)       0.478
59   4.92     2.50      0.900          0.385    (  0.618)       0.514
60   5.00     2.60      0.936          0.385    (  0.643)       0.550
61   5.08     3.10      1.116          0.385    (  0.767)       0.730
62   5.17     3.60      1.296          0.385    (  0.890)       0.910
63   5.25     3.90      1.404          0.385    (  0.965)       1.018
64   5.33     4.20      1.512          0.385    (  1.039)       1.126
65   5.42     4.70      1.692          0.385    (  1.163)       1.306
66   5.50     5.60      2.016          0.385    (  1.385)       1.630
67   5.58     1.90      0.684          0.385    (  0.470)       0.298
68   5.67     0.90      0.324       (  0.385)       0.223        0.101
69   5.75     0.60      0.216       (  0.385)       0.148        0.068
70   5.83     0.50      0.180       (  0.385)       0.124        0.056
71   5.92     0.30      0.108       (  0.385)       0.074        0.034
72   6.00     0.20      0.072       (  0.385)       0.049        0.023
           (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    17.1
    Flood volume = Effective rainfall     1.42(In)
     times area      51.4(Ac.)/[(In)/(Ft.)] =       6.1(Ac.Ft)
    Total soil loss =      1.58(In)
    Total soil loss =     6.760(Ac.Ft)
    Total rainfall =      3.00(In)
    Flood volume =      265507.8 Cubic Feet
    Total soil loss =      294465.8 Cubic Feet
    ----------------------------------------------------------------------
     Peak flow rate of this hydrograph =     71.758(CFS)
    ----------------------------------------------------------------------
    ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        6 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
    ----------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

    ----------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       20.0      40.0      60.0      80.0
----------------------------------------------------------------------
  0+ 5       0.0074      1.07  Q         |         |         |         |
  0+10       0.0255      2.63  VQ        |         |         |         |
  0+15       0.0475      3.20  VQ        |         |         |         |
  0+20       0.0708      3.39  VQ        |         |         |         |
  0+25       0.0948      3.49  VQ        |         |         |         |
  0+30       0.1204      3.72  VQ        |         |         |         |
  0+35       0.1479      3.99  VQ        |         |         |         |
  0+40       0.1758      4.05  |VQ       |         |         |         |
  0+45       0.2038      4.07  |VQ       |         |         |         |
  0+50       0.2319      4.09  |VQ       |         |         |         |
```

```
0+55       0.2601      4.09  |VQ       |          |          |          |
1+ 0       0.2897      4.30  |VQ       |          |          |          |
1+ 5       0.3212      4.57  | Q       |          |          |          |
1+10       0.3531      4.63  | Q       |          |          |          |
1+15       0.3851      4.66  | Q       |          |          |          |
1+20       0.4173      4.67  | Q       |          |          |          |
1+25       0.4495      4.67  | Q       |          |          |          |
1+30       0.4816      4.67  | QV      |          |          |          |
1+35       0.5138      4.67  | QV      |          |          |          |
1+40       0.5460      4.67  | QV      |          |          |          |
1+45       0.5781      4.67  | QV      |          |          |          |
1+50       0.6103      4.67  | Q V     |          |          |          |
1+55       0.6425      4.67  | Q V     |          |          |          |
2+ 0       0.6761      4.89  | Q V     |          |          |          |
2+ 5       0.7101      4.94  | Q V     |          |          |          |
2+10       0.7442      4.95  | Q V     |          |          |          |
2+15       0.7799      5.18  | Q  V    |          |          |
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/13/21 File: RVPRE24100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN E- PROPOSED UNIT HYDROGRAPH
100YR-24HRS

Drainage Area = 51.43(Ac.) = 0.080 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 51.43(Ac.) = 0.080 Sq. Mi.
Length along longest watercourse = 2597.00(Ft.)
Length along longest watercourse measured to centroid = 1241.50(Ft.)
Length along longest watercourse = 0.492 Mi.
Length along longest watercourse measured to centroid = 0.235 Mi.
Difference in elevation = 208.00(Ft.)
Slope along watercourse = 422.8879 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.050 Hr.
Lag time = 3.02 Min.
25% of lag time = 0.75 Min.
40% of lag time = 1.21 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	2.70	138.86

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
51.43	7.00	360.01

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 7.000(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 6.999(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
51.430	74.50	0.266

Total Area Entered = 51.43(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      74.5  87.7      0.156     0.266        0.119       1.000      0.119
                                                          Sum (F) =   0.119
      Area averaged mean soil loss (F) (In/Hr) =  0.385
      Minimum soil loss rate ((In/Hr)) =  0.193
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.687
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %            (CFS)
      ------------------------------------------------------------------------
              1   0.083        165.768         36.785             19.066
              2   0.167        331.537         45.833             23.756
              3   0.250        497.305         10.344              5.361
              4   0.333        663.074          4.398              2.279
              5   0.417        828.842          2.640              1.369
                                      Sum = 100.000   Sum=       51.832
-------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.056	(0.683)	0.038	0.018
2	0.17	0.07	0.056	(0.681)	0.038	0.018
3	0.25	0.07	0.056	(0.678)	0.038	0.018
4	0.33	0.10	0.084	(0.675)	0.058	0.026
5	0.42	0.10	0.084	(0.673)	0.058	0.026
6	0.50	0.10	0.084	(0.670)	0.058	0.026
7	0.58	0.10	0.084	(0.667)	0.058	0.026
8	0.67	0.10	0.084	(0.665)	0.058	0.026
9	0.75	0.10	0.084	(0.662)	0.058	0.026
10	0.83	0.13	0.112	(0.660)	0.077	0.035
11	0.92	0.13	0.112	(0.657)	0.077	0.035
12	1.00	0.13	0.112	(0.654)	0.077	0.035
13	1.08	0.10	0.084	(0.652)	0.058	0.026
14	1.17	0.10	0.084	(0.649)	0.058	0.026
15	1.25	0.10	0.084	(0.647)	0.058	0.026
16	1.33	0.10	0.084	(0.644)	0.058	0.026
17	1.42	0.10	0.084	(0.642)	0.058	0.026
18	1.50	0.10	0.084	(0.639)	0.058	0.026
19	1.58	0.10	0.084	(0.636)	0.058	0.026
20	1.67	0.10	0.084	(0.634)	0.058	0.026
21	1.75	0.10	0.084	(0.631)	0.058	0.026
22	1.83	0.13	0.112	(0.629)	0.077	0.035
23	1.92	0.13	0.112	(0.626)	0.077	0.035
24	2.00	0.13	0.112	(0.624)	0.077	0.035
25	2.08	0.13	0.112	(0.621)	0.077	0.035
26	2.17	0.13	0.112	(0.619)	0.077	0.035
27	2.25	0.13	0.112	(0.616)	0.077	0.035
28	2.33	0.13	0.112	(0.614)	0.077	0.035
29	2.42	0.13	0.112	(0.611)	0.077	0.035
30	2.50	0.13	0.112	(0.609)	0.077	0.035
31	2.58	0.17	0.140	(0.606)	0.096	0.044
32	2.67	0.17	0.140	(0.604)	0.096	0.044
33	2.75	0.17	0.140	(0.601)	0.096	0.044
34	2.83	0.17	0.140	(0.599)	0.096	0.044
35	2.92	0.17	0.140	(0.596)	0.096	0.044
36	3.00	0.17	0.140	(0.594)	0.096	0.044

37	3.08	0.17	0.140	(0.591)	0.096	0.044
38	3.17	0.17	0.140	(0.589)	0.096	0.044
39	3.25	0.17	0.140	(0.586)	0.096	0.044
40	3.33	0.17	0.140	(0.584)	0.096	0.044
41	3.42	0.17	0.140	(0.582)	0.096	0.044
42	3.50	0.17	0.140	(0.579)	0.096	0.044
43	3.58	0.17	0.140	(0.577)	0.096	0.044
44	3.67	0.17	0.140	(0.574)	0.096	0.044
45	3.75	0.17	0.140	(0.572)	0.096	0.044
46	3.83	0.20	0.168	(0.569)	0.115	0.053
47	3.92	0.20	0.168	(0.567)	0.115	0.053
48	4.00	0.20	0.168	(0.565)	0.115	0.053
49	4.08	0.20	0.168	(0.562)	0.115	0.053
50	4.17	0.20	0.168	(0.560)	0.115	0.053
51	4.25	0.20	0.168	(0.558)	0.115	0.053
52	4.33	0.23	0.196	(0.555)	0.135	0.061
53	4.42	0.23	0.196	(0.553)	0.135	0.061
54	4.50	0.23	0.196	(0.550)	0.135	0.061
55	4.58	0.23	0.196	(0.548)	0.135	0.061
56	4.67	0.23	0.196	(0.546)	0.135	0.061
57	4.75	0.23	0.196	(0.543)	0.135	0.061
58	4.83	0.27	0.224	(0.541)	0.154	0.070
59	4.92	0.27	0.224	(0.539)	0.154	0.070
60	5.00	0.27	0.224	(0.536)	0.154	0.070
61	5.08	0.20	0.168	(0.534)	0.115	0.053
62	5.17	0.20	0.168	(0.532)	0.115	0.053
63	5.25	0.20	0.168	(0.529)	0.115	0.053
64	5.33	0.23	0.196	(0.527)	0.135	0.061
65	5.42	0.23	0.196	(0.525)	0.135	0.061
66	5.50	0.23	0.196	(0.522)	0.135	0.061
67	5.58	0.27	0.224	(0.520)	0.154	0.070
68	5.67	0.27	0.224	(0.518)	0.154	0.070
69	5.75	0.27	0.224	(0.516)	0.154	0.070
70	5.83	0.27	0.224	(0.513)	0.154	0.070
71	5.92	0.27	0.224	(0.511)	0.154	0.070
72	6.00	0.27	0.224	(0.509)	0.154	0.070
73	6.08	0.30	0.252	(0.506)	0.173	0.079
74	6.17	0.30	0.252	(0.504)	0.173	0.079
75	6.25	0.30	0.252	(0.502)	0.173	0.079
76	6.33	0.30	0.252	(0.500)	0.173	0.079
77	6.42	0.30	0.252	(0.497)	0.173	0.079
78	6.50	0.30	0.252	(0.495)	0.173	0.079
79	6.58	0.33	0.280	(0.493)	0.192	0.088
80	6.67	0.33	0.280	(0.491)	0.192	0.088
81	6.75	0.33	0.280	(0.489)	0.192	0.088
82	6.83	0.33	0.280	(0.486)	0.192	0.088
83	6.92	0.33	0.280	(0.484)	0.192	0.088
84	7.00	0.33	0.280	(0.482)	0.192	0.088
85	7.08	0.33	0.280	(0.480)	0.192	0.088
86	7.17	0.33	0.280	(0.478)	0.192	0.088
87	7.25	0.33	0.280	(0.475)	0.192	0.088
88	7.33	0.37	0.308	(0.473)	0.212	0.096
89	7.42	0.37	0.308	(0.471)	0.212	0.096
90	7.50	0.37	0.308	(0.469)	0.212	0.096
91	7.58	0.40	0.336	(0.467)	0.231	0.105
92	7.67	0.40	0.336	(0.465)	0.231	0.105
93	7.75	0.40	0.336	(0.463)	0.231	0.105
94	7.83	0.43	0.364	(0.460)	0.250	0.114
95	7.92	0.43	0.364	(0.458)	0.250	0.114
96	8.00	0.43	0.364	(0.456)	0.250	0.114
97	8.08	0.50	0.420	(0.454)	0.289	0.131
98	8.17	0.50	0.420	(0.452)	0.289	0.131
99	8.25	0.50	0.420	(0.450)	0.289	0.131
100	8.33	0.50	0.420	(0.448)	0.289	0.131
101	8.42	0.50	0.420	(0.446)	0.289	0.131
102	8.50	0.50	0.420	(0.444)	0.289	0.131
103	8.58	0.53	0.448	(0.441)	0.308	0.140

104	8.67	0.53	0.448	(	0.439)	0.308		0.140
105	8.75	0.53	0.448	(	0.437)	0.308		0.140
106	8.83	0.57	0.476	(	0.435)	0.327		0.149
107	8.92	0.57	0.476	(	0.433)	0.327		0.149
108	9.00	0.57	0.476	(	0.431)	0.327		0.149
109	9.08	0.63	0.532	(	0.429)	0.366		0.166
110	9.17	0.63	0.532	(	0.427)	0.366		0.166
111	9.25	0.63	0.532	(	0.425)	0.366		0.166
112	9.33	0.67	0.560	(	0.423)	0.385		0.175
113	9.42	0.67	0.560	(	0.421)	0.385		0.175
114	9.50	0.67	0.560	(	0.419)	0.385		0.175
115	9.58	0.70	0.588	(	0.417)	0.404		0.184
116	9.67	0.70	0.588	(	0.415)	0.404		0.184
117	9.75	0.70	0.588	(	0.413)	0.404		0.184
118	9.83	0.73	0.616		0.411	(	0.423)	0.205
119	9.92	0.73	0.616		0.409	(	0.423)	0.207
120	10.00	0.73	0.616		0.407	(	0.423)	0.209
121	10.08	0.50	0.420	(	0.405)	0.289		0.131
122	10.17	0.50	0.420	(	0.403)	0.289		0.131
123	10.25	0.50	0.420	(	0.401)	0.289		0.131
124	10.33	0.50	0.420	(	0.399)	0.289		0.131
125	10.42	0.50	0.420	(	0.397)	0.289		0.131
126	10.50	0.50	0.420	(	0.395)	0.289		0.131
127	10.58	0.67	0.560	(	0.393)	0.385		0.175
128	10.67	0.67	0.560	(	0.391)	0.385		0.175
129	10.75	0.67	0.560	(	0.390)	0.385		0.175
130	10.83	0.67	0.560	(	0.388)	0.385		0.175
131	10.92	0.67	0.560	(	0.386)	0.385		0.175
132	11.00	0.67	0.560		0.384	(	0.385)	0.176
133	11.08	0.63	0.532	(	0.382)	0.366		0.166
134	11.17	0.63	0.532	(	0.380)	0.366		0.166
135	11.25	0.63	0.532	(	0.378)	0.366		0.166
136	11.33	0.63	0.532	(	0.376)	0.366		0.166
137	11.42	0.63	0.532	(	0.374)	0.366		0.166
138	11.50	0.63	0.532	(	0.373)	0.366		0.166
139	11.58	0.57	0.476	(	0.371)	0.327		0.149
140	11.67	0.57	0.476	(	0.369)	0.327		0.149
141	11.75	0.57	0.476	(	0.367)	0.327		0.149
142	11.83	0.60	0.504	(	0.365)	0.346		0.158
143	11.92	0.60	0.504	(	0.363)	0.346		0.158
144	12.00	0.60	0.504	(	0.362)	0.346		0.158
145	12.08	0.83	0.700		0.360	(	0.481)	0.340
146	12.17	0.83	0.700		0.358	(	0.481)	0.342
147	12.25	0.83	0.700		0.356	(	0.481)	0.344
148	12.33	0.87	0.728		0.354	(	0.500)	0.374
149	12.42	0.87	0.728		0.353	(	0.500)	0.375
150	12.50	0.87	0.728		0.351	(	0.500)	0.377
151	12.58	0.93	0.784		0.349	(	0.539)	0.435
152	12.67	0.93	0.784		0.347	(	0.539)	0.437
153	12.75	0.93	0.784		0.346	(	0.539)	0.438
154	12.83	0.97	0.812		0.344	(	0.558)	0.468
155	12.92	0.97	0.812		0.342	(	0.558)	0.470
156	13.00	0.97	0.812		0.340	(	0.558)	0.472
157	13.08	1.13	0.952		0.339	(	0.654)	0.613
158	13.17	1.13	0.952		0.337	(	0.654)	0.615
159	13.25	1.13	0.952		0.335	(	0.654)	0.617
160	13.33	1.13	0.952		0.333	(	0.654)	0.618
161	13.42	1.13	0.952		0.332	(	0.654)	0.620
162	13.50	1.13	0.952		0.330	(	0.654)	0.622
163	13.58	0.77	0.644		0.328	(	0.443)	0.316
164	13.67	0.77	0.644		0.327	(	0.443)	0.317
165	13.75	0.77	0.644		0.325	(	0.443)	0.319
166	13.83	0.77	0.644		0.323	(	0.443)	0.320
167	13.92	0.77	0.644		0.322	(	0.443)	0.322
168	14.00	0.77	0.644		0.320	(	0.443)	0.324
169	14.08	0.90	0.756		0.319	(	0.519)	0.437
170	14.17	0.90	0.756		0.317	(	0.519)	0.439

171	14.25	0.90	0.756	0.315	(0.519)	0.441
172	14.33	0.87	0.728	0.314	(0.500)	0.414
173	14.42	0.87	0.728	0.312	(0.500)	0.416
174	14.50	0.87	0.728	0.310	(0.500)	0.417
175	14.58	0.87	0.728	0.309	(0.500)	0.419
176	14.67	0.87	0.728	0.307	(0.500)	0.421
177	14.75	0.87	0.728	0.306	(0.500)	0.422
178	14.83	0.83	0.700	0.304	(0.481)	0.396
179	14.92	0.83	0.700	0.303	(0.481)	0.397
180	15.00	0.83	0.700	0.301	(0.481)	0.399
181	15.08	0.80	0.672	0.299	(0.462)	0.372
182	15.17	0.80	0.672	0.298	(0.462)	0.374
183	15.25	0.80	0.672	0.296	(0.462)	0.376
184	15.33	0.77	0.644	0.295	(0.443)	0.349
185	15.42	0.77	0.644	0.293	(0.443)	0.351
186	15.50	0.77	0.644	0.292	(0.443)	0.352
187	15.58	0.63	0.532	0.290	(0.366)	0.242
188	15.67	0.63	0.532	0.289	(0.366)	0.243
189	15.75	0.63	0.532	0.287	(0.366)	0.245
190	15.83	0.63	0.532	0.286	(0.366)	0.246
191	15.92	0.63	0.532	0.284	(0.366)	0.247
192	16.00	0.63	0.532	0.283	(0.366)	0.249
193	16.08	0.13	0.112	(0.282)	0.077	0.035
194	16.17	0.13	0.112	(0.280)	0.077	0.035
195	16.25	0.13	0.112	(0.279)	0.077	0.035
196	16.33	0.13	0.112	(0.277)	0.077	0.035
197	16.42	0.13	0.112	(0.276)	0.077	0.035
198	16.50	0.13	0.112	(0.274)	0.077	0.035
199	16.58	0.10	0.084	(0.273)	0.058	0.026
200	16.67	0.10	0.084	(0.272)	0.058	0.026
201	16.75	0.10	0.084	(0.270)	0.058	0.026
202	16.83	0.10	0.084	(0.269)	0.058	0.026
203	16.92	0.10	0.084	(0.268)	0.058	0.026
204	17.00	0.10	0.084	(0.266)	0.058	0.026
205	17.08	0.17	0.140	(0.265)	0.096	0.044
206	17.17	0.17	0.140	(0.264)	0.096	0.044
207	17.25	0.17	0.140	(0.262)	0.096	0.044
208	17.33	0.17	0.140	(0.261)	0.096	0.044
209	17.42	0.17	0.140	(0.260)	0.096	0.044
210	17.50	0.17	0.140	(0.258)	0.096	0.044
211	17.58	0.17	0.140	(0.257)	0.096	0.044
212	17.67	0.17	0.140	(0.256)	0.096	0.044
213	17.75	0.17	0.140	(0.254)	0.096	0.044
214	17.83	0.13	0.112	(0.253)	0.077	0.035
215	17.92	0.13	0.112	(0.252)	0.077	0.035
216	18.00	0.13	0.112	(0.251)	0.077	0.035
217	18.08	0.13	0.112	(0.249)	0.077	0.035
218	18.17	0.13	0.112	(0.248)	0.077	0.035
219	18.25	0.13	0.112	(0.247)	0.077	0.035
220	18.33	0.13	0.112	(0.246)	0.077	0.035
221	18.42	0.13	0.112	(0.245)	0.077	0.035
222	18.50	0.13	0.112	(0.243)	0.077	0.035
223	18.58	0.10	0.084	(0.242)	0.058	0.026
224	18.67	0.10	0.084	(0.241)	0.058	0.026
225	18.75	0.10	0.084	(0.240)	0.058	0.026
226	18.83	0.07	0.056	(0.239)	0.038	0.018
227	18.92	0.07	0.056	(0.238)	0.038	0.018
228	19.00	0.07	0.056	(0.237)	0.038	0.018
229	19.08	0.10	0.084	(0.235)	0.058	0.026
230	19.17	0.10	0.084	(0.234)	0.058	0.026
231	19.25	0.10	0.084	(0.233)	0.058	0.026
232	19.33	0.13	0.112	(0.232)	0.077	0.035
233	19.42	0.13	0.112	(0.231)	0.077	0.035
234	19.50	0.13	0.112	(0.230)	0.077	0.035
235	19.58	0.10	0.084	(0.229)	0.058	0.026
236	19.67	0.10	0.084	(0.228)	0.058	0.026
237	19.75	0.10	0.084	(0.227)	0.058	0.026

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238  19.83     0.07      0.056       (  0.226)       0.038        0.018
239  19.92     0.07      0.056       (  0.225)       0.038        0.018
240  20.00     0.07      0.056       (  0.224)       0.038        0.018
241  20.08     0.10      0.084       (  0.223)       0.058        0.026
242  20.17     0.10      0.084       (  0.222)       0.058        0.026
243  20.25     0.10      0.084       (  0.221)       0.058        0.026
244  20.33     0.10      0.084       (  0.220)       0.058        0.026
245  20.42     0.10      0.084       (  0.219)       0.058        0.026
246  20.50     0.10      0.084       (  0.218)       0.058        0.026
247  20.58     0.10      0.084       (  0.217)       0.058        0.026
248  20.67     0.10      0.084       (  0.216)       0.058        0.026
249  20.75     0.10      0.084       (  0.215)       0.058        0.026
250  20.83     0.07      0.056       (  0.214)       0.038        0.018
251  20.92     0.07      0.056       (  0.214)       0.038        0.018
252  21.00     0.07      0.056       (  0.213)       0.038        0.018
253  21.08     0.10      0.084       (  0.212)       0.058        0.026
254  21.17     0.10      0.084       (  0.211)       0.058        0.026
255  21.25     0.10      0.084       (  0.210)       0.058        0.026
256  21.33     0.07      0.056       (  0.209)       0.038        0.018
257  21.42     0.07      0.056       (  0.209)       0.038        0.018
258  21.50     0.07      0.056       (  0.208)       0.038        0.018
259  21.58     0.10      0.084       (  0.207)       0.058        0.026
260  21.67     0.10      0.084       (  0.206)       0.058        0.026
261  21.75     0.10      0.084       (  0.206)       0.058        0.026
262  21.83     0.07      0.056       (  0.205)       0.038        0.018
263  21.92     0.07      0.056       (  0.204)       0.038        0.018
264  22.00     0.07      0.056       (  0.203)       0.038        0.018
265  22.08     0.10      0.084       (  0.203)       0.058        0.026
266  22.17     0.10      0.084       (  0.202)       0.058        0.026
267  22.25     0.10      0.084       (  0.202)       0.058        0.026
268  22.33     0.07      0.056       (  0.201)       0.038        0.018
269  22.42     0.07      0.056       (  0.200)       0.038        0.018
270  22.50     0.07      0.056       (  0.200)       0.038        0.018
271  22.58     0.07      0.056       (  0.199)       0.038        0.018
272  22.67     0.07      0.056       (  0.199)       0.038        0.018
273  22.75     0.07      0.056       (  0.198)       0.038        0.018
274  22.83     0.07      0.056       (  0.197)       0.038        0.018
275  22.92     0.07      0.056       (  0.197)       0.038        0.018
276  23.00     0.07      0.056       (  0.197)       0.038        0.018
277  23.08     0.07      0.056       (  0.196)       0.038        0.018
278  23.17     0.07      0.056       (  0.196)       0.038        0.018
279  23.25     0.07      0.056       (  0.195)       0.038        0.018
280  23.33     0.07      0.056       (  0.195)       0.038        0.018
281  23.42     0.07      0.056       (  0.194)       0.038        0.018
282  23.50     0.07      0.056       (  0.194)       0.038        0.018
283  23.58     0.07      0.056       (  0.194)       0.038        0.018
284  23.67     0.07      0.056       (  0.193)       0.038        0.018
285  23.75     0.07      0.056       (  0.193)       0.038        0.018
286  23.83     0.07      0.056       (  0.193)       0.038        0.018
287  23.92     0.07      0.056       (  0.193)       0.038        0.018
288  24.00     0.07      0.056       (  0.193)       0.038        0.018
            (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    34.7
     Flood volume = Effective rainfall      2.89(In)
      times area      51.4(Ac.)/[(In)/(Ft.)] =      12.4(Ac.Ft)
     Total soil loss =      4.11(In)
     Total soil loss =    17.613(Ac.Ft)
     Total rainfall =      7.00(In)
     Flood volume =      539486.6 Cubic Feet
     Total soil loss =      767218.4 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     32.166(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                      24 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
```

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	10.0	20.0	30.0	40.0
0+ 5	0.0023	0.33	Q				
0+10	0.0075	0.75	Q				
0+15	0.0133	0.84	Q				
0+20	0.0205	1.05	VQ				
0+25	0.0294	1.28	VQ				
0+30	0.0385	1.33	VQ				
0+35	0.0478	1.35	VQ				
0+40	0.0572	1.36	VQ				
0+45	0.0666	1.36	VQ				
0+50	0.0771	1.53	VQ				
0+55	0.0891	1.74	VQ				
1+ 0	0.1014	1.78	VQ				
1+ 5	0.1127	1.64	VQ				
1+10	0.1226	1.44	VQ				
1+15	0.1322	1.39	VQ				
1+20	0.1417	1.37	VQ				
1+25	0.1510	1.36	VQ				
1+30	0.1604	1.36	VQ				
1+35	0.1698	1.36	VQ				
1+40	0.1792	1.36	VQ				
1+45	0.1886	1.36	VQ				
1+50	0.1991	1.53	VQ				
1+55	0.2111	1.74	VQ				
2+ 0	0.2234	1.78	VQ				
2+ 5	0.2358	1.80	VQ				
2+10	0.2483	1.82	VQ				
2+15	0.2608	1.82	VQ				
2+20	0.2733	1.82	VQ				
2+25	0.2858	1.82	VQ				
2+30	0.2984	1.82	VQ				
2+35	0.3120	1.98	|Q				
2+40	0.3271	2.19	|VQ				
2+45	0.3425	2.24	|VQ				
2+50	0.3581	2.26	|VQ				
2+55	0.3737	2.27	|VQ				
3+ 0	0.3894	2.27	|VQ				
3+ 5	0.4050	2.27	|VQ				
3+10	0.4206	2.27	|VQ				
3+15	0.4363	2.27	|VQ				
3+20	0.4519	2.27	|VQ				
3+25	0.4676	2.27	|VQ				
3+30	0.4832	2.27	|VQ				
3+35	0.4988	2.27	|VQ				
3+40	0.5145	2.27	|VQ				
3+45	0.5301	2.27	|VQ				
3+50	0.5469	2.44	|VQ				
3+55	0.5651	2.65	|VQ				
4+ 0	0.5837	2.69	|VQ				
4+ 5	0.6024	2.71	|VQ				
4+10	0.6211	2.72	| Q				
4+15	0.6399	2.72	| Q				
4+20	0.6598	2.89	| Q				
4+25	0.6812	3.10	| VQ				
4+30	0.7028	3.15	| VQ				
4+35	0.7246	3.17	| VQ				
4+40	0.7465	3.18	| VQ				
4+45	0.7684	3.18	| VQ				
4+50	0.7915	3.35	| VQ				
4+55	0.8160	3.55	| VQ				
5+ 0	0.8408	3.60	| VQ				
5+ 5	0.8634	3.29	| VQ				
5+10	0.8833	2.88	| Q				

5+15	0.9025	2.79	Q				
5+20	0.9225	2.92	Q				
5+25	0.9439	3.10	Q				
5+30	0.9656	3.15	Q				
5+35	0.9885	3.33	Q				
5+40	1.0130	3.55	Q				
5+45	1.0378	3.60	Q				
5+50	1.0627	3.62	Q				
5+55	1.0878	3.63	Q				
6+ 0	1.1128	3.63	Q				
6+ 5	1.1390	3.80	Q				
6+10	1.1666	4.01	VQ				
6+15	1.1945	4.06	VQ				
6+20	1.2226	4.08	VQ				
6+25	1.2507	4.09	Q				
6+30	1.2789	4.09	Q				
6+35	1.3082	4.25	Q				
6+40	1.3389	4.46	Q				
6+45	1.3700	4.51	Q				
6+50	1.4012	4.53	Q				
6+55	1.4324	4.54	Q				
7+ 0	1.4637	4.54	Q				
7+ 5	1.4950	4.54	Q				
7+10	1.5263	4.54	Q				
7+15	1.5575	4.54	QV				
7+20	1.5900	4.71	QV				
7+25	1.6238	4.92	QV				
7+30	1.6580	4.96	QV				
7+35	1.6935	5.15	Q				
7+40	1.7305	5.37	Q				
7+45	1.7678	5.42	Q				
7+50	1.8064	5.60	Q				
7+55	1.8465	5.83	Q				
8+ 0	1.8870	5.87	QV				
8+ 5	1.9298	6.23	Q				
8+10	1.9757	6.65	Q				
8+15	2.0221	6.75	Q				
8+20	2.0689	6.79	Q				
8+25	2.1158	6.81	Q				
8+30	2.1627	6.81	Q				
8+35	2.2108	6.98	QV				
8+40	2.2603	7.19	Q				
8+45	2.3101	7.23	Q				
8+50	2.3612	7.42	Q				
8+55	2.4139	7.64	Q				
9+ 0	2.4668	7.69	Q				
9+ 5	2.5222	8.04	Q				
9+10	2.5805	8.47	Q				
9+15	2.6395	8.56	Q				
9+20	2.6999	8.77	Q				
9+25	2.7620	9.00	VQ				
9+30	2.8243	9.05	Q				
9+35	2.8879	9.24	Q				
9+40	2.9531	9.46	Q				
9+45	3.0185	9.51	Q				
9+50	3.0869	9.93	Q				
9+55	3.1590	10.48	Q				
10+ 0	3.2326	10.68	Q				
10+ 5	3.2966	9.30	QV				
10+10	3.3483	7.50	Q V				
10+15	3.3971	7.09	Q V				
10+20	3.4448	6.92	Q |V				
10+25	3.4917	6.81	Q |V				
10+30	3.5386	6.81	Q |V				
10+35	3.5913	7.65	Q |V				
10+40	3.6511	8.69	Q |V				
10+45	3.7126	8.92	Q |V				

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10+50       3.7747      9.02  |         Q| V        |          |          |
10+55       3.8373      9.08  |         Q| V        |          |          |
11+ 0       3.9000      9.10  |         Q| V        |          |          |
11+ 5       3.9615      8.94  |        Q | V        |          |          |
11+10       4.0215      8.71  |        Q | V        |          |          |
11+15       4.0812      8.66  |        Q |  V       |          |          |
11+20       4.1407      8.64  |        Q |  V       |          |          |
11+25       4.2002      8.63  |        Q |  V       |          |          |
11+30       4.2596      8.63  |        Q |  V       |          |          |
11+35       4.3167      8.29  |        Q |  V       |          |          |
11+40       4.3710      7.88  |       Q  |   V      |          |          |
11+45       4.4246      7.78  |       Q  |   V      |          |          |
11+50       4.4791      7.91  |       Q  |   V      |          |          |
11+55       4.5348      8.10  |        Q |   V      |          |          |
12+ 0       4.5909      8.14  |        Q |   V      |          |          |
12+ 5       4.6711     11.64  |          |Q   V     |          |          |
12+10       4.7815     16.03  |          |    VQ    |          |          |
12+15       4.8992     17.09  |          |    V Q   |          |          |
12+20       5.0240     18.12  |          |     V Q  |          |          |
12+25       5.1557     19.13  |          |     V  Q |          |          |
12+30       5.2891     19.37  |          |      V Q |          |          |
12+35       5.4309     20.59  |          |      V  Q          |          |
12+40       5.5828     22.05  |          |       V | Q        |          |
12+45       5.7374     22.45  |          |       V | Q        |          |
12+50       5.8972     23.20  |          |        V|  Q       |          |
12+55       6.0627     24.03  |          |        V|   Q      |          |
13+ 0       6.2299     24.27  |          |         V   Q      |          |
13+ 5       6.4165     27.10  |          |         V      Q   |          |
13+10       6.6269     30.55  |          |          |V        Q          |
13+15       6.8431     31.39  |          |          | V        |Q         |
13+20       7.0621     31.80  |          |          | V        |Q         |
13+25       7.2830     32.08  |          |          |  V       | Q        |
13+30       7.5045     32.17  |          |          |   V      | Q        |
13+35       7.6862     26.38  |          |          |   V Q    |          |
13+40       7.8180     19.15  |          |        Q |    V     |          |
13+45       7.9391     17.58  |          |      Q   |    V     |          |
13+50       8.0560     16.96  |          |     Q    |     V    |          |
13+55       8.1705     16.63  |          |     Q    |     V    |          |
14+ 0       8.2856     16.71  |          |     Q    |     V    |          |
14+ 5       8.4160     18.94  |          |       Q  |      V   |          |
14+10       8.5653     21.68  |          |          |Q     V   |          |
14+15       8.7194     22.37  |          |          | Q     V  |          |
14+20       8.8721     22.17  |          |          | Q     V  |          |
14+25       9.0218     21.74  |          |          |Q       V|          |
14+30       9.1711     21.68  |          |          |Q       V|          |
14+35       9.3206     21.70  |          |          |Q        V          |
14+40       9.4703     21.74  |          |          |Q        V          |
14+45       9.6206     21.82  |          |          |Q        |V         |
14+50       9.7677     21.37  |          |          |Q        |V         |
14+55       9.9109     20.79  |          |         Q         | V        |
15+ 0      10.0536     20.72  |          |         Q         | V        |
15+ 5      10.1927     20.20  |          |         Q         | V        |
15+10      10.3275     19.57  |          |        Q|         |  V       |
15+15      10.4618     19.50  |          |        Q|         |  V       |
15+20      10.5926     18.99  |          |       Q |         |   V      |
15+25      10.7190     18.36  |          |       Q |         |   V      |
15+30      10.8450     18.29  |          |       Q |         |    V     |
15+35      10.9563     16.17  |          |     Q   |         |    V     |
15+40      11.0496     13.54  |          |  Q      |         |    V     |
15+45      11.1393     13.02  |          |  Q      |         |    V     |
15+50      11.2277     12.84  |          | Q       |         |     V    |
15+55      11.3156     12.76  |          | Q       |         |     V    |
16+ 0      11.4041     12.84  |          | Q       |         |     V    |
16+ 5      11.4647      8.81  |        Q |         |         |      V   |
16+10      11.4905      3.74  |  Q       |         |         |      V   |
16+15      11.5083      2.60  | Q        |         |         |      V   |
16+20      11.5229      2.11  | Q        |         |         |      V   |
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16+25      11.5354      1.82  |Q        |          |          |      V  |
16+30      11.5479      1.82  |Q        |          |          |      V  |
16+35      11.5592      1.65  |Q        |          |          |      V  |
16+40      11.5692      1.44  |Q        |          |          |      V  |
16+45      11.5788      1.39  |Q        |          |          |      V  |
16+50      11.5882      1.37  |Q        |          |          |      V  |
16+55      11.5976      1.36  |Q        |          |          |      V  |
17+ 0      11.6070      1.36  |Q        |          |          |      V  |
17+ 5      11.6187      1.70  |Q        |          |          |      V  |
17+10      11.6332      2.11  | Q       |          |          |      V  |
17+15      11.6484      2.21  | Q       |          |          |      V  |
17+20      11.6639      2.25  | Q       |          |          |      V  |
17+25      11.6796      2.27  | Q       |          |          |      V  |
17+30      11.6952      2.27  | Q       |          |          |      V  |
17+35      11.7108      2.27  | Q       |          |          |      V  |
17+40      11.7265      2.27  | Q       |          |          |      V  |
17+45      11.7421      2.27  | Q       |          |          |      V  |
17+50      11.7566      2.10  | Q       |          |          |      V  |
17+55      11.7697      1.90  |Q        |          |          |       V |
18+ 0      11.7824      1.85  |Q        |          |          |       V |
18+ 5      11.7950      1.83  |Q        |          |          |       V |
18+10      11.8075      1.82  |Q        |          |          |       V |
18+15      11.8200      1.82  |Q        |          |          |       V |
18+20      11.8325      1.82  |Q        |          |          |       V |
18+25      11.8450      1.82  |Q        |          |          |       V |
18+30      11.8575      1.82  |Q        |          |          |       V |
18+35      11.8689      1.65  |Q        |          |          |       V |
18+40      11.8788      1.44  |Q        |          |          |       V |
18+45      11.8884      1.39  |Q        |          |          |       V |
18+50      11.8967      1.21  |Q        |          |          |       V |
18+55      11.9035      0.99  Q         |          |          |       V |
19+ 0      11.9100      0.94  Q         |          |          |       V |
19+ 5      11.9175      1.09  |Q        |          |          |       V |
19+10      11.9263      1.28  |Q        |          |          |       V |
19+15      11.9355      1.33  |Q        |          |          |       V |
19+20      11.9460      1.52  |Q        |          |          |       V |
19+25      11.9579      1.74  |Q        |          |          |       V |
19+30      11.9702      1.78  |Q        |          |          |       V |
19+35      11.9815      1.64  |Q        |          |          |       V |
19+40      11.9914      1.44  |Q        |          |          |       V |
19+45      12.0010      1.39  |Q        |          |          |       V |
19+50      12.0093      1.21  |Q        |          |          |       V |
19+55      12.0161      0.99  Q         |          |          |       V |
20+ 0      12.0226      0.94  Q         |          |          |       V |
20+ 5      12.0301      1.09  |Q        |          |          |       V |
20+10      12.0389      1.28  |Q        |          |          |       V |
20+15      12.0481      1.33  |Q        |          |          |       V |
20+20      12.0574      1.35  |Q        |          |          |       V |
20+25      12.0668      1.36  |Q        |          |          |       V |
20+30      12.0762      1.36  |Q        |          |          |        V|
20+35      12.0856      1.36  |Q        |          |          |        V|
20+40      12.0949      1.36  |Q        |          |          |        V|
20+45      12.1043      1.36  |Q        |          |          |        V|
20+50      12.1126      1.20  |Q        |          |          |        V|
20+55      12.1194      0.99  Q         |          |          |        V|
21+ 0      12.1258      0.94  Q         |          |          |        V|
21+ 5      12.1333      1.09  |Q        |          |          |        V|
21+10      12.1422      1.28  |Q        |          |          |        V|
21+15      12.1513      1.33  |Q        |          |          |        V|
21+20      12.1595      1.18  |Q        |          |          |        V|
21+25      12.1663      0.99  Q         |          |          |        V|
21+30      12.1727      0.94  Q         |          |          |        V|
21+35      12.1802      1.09  |Q        |          |          |        V|
21+40      12.1891      1.28  |Q        |          |          |        V|
21+45      12.1982      1.33  |Q        |          |          |        V|
21+50      12.2064      1.18  |Q        |          |          |        V|
21+55      12.2132      0.99  Q         |          |          |        V|
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  22+ 0      12.2197      0.94  Q         |          |          |         V|
  22+ 5      12.2272      1.09  |Q        |          |          |         V|
  22+10      12.2360      1.28  |Q        |          |          |         V|
  22+15      12.2452      1.33  |Q        |          |          |         V|
  22+20      12.2533      1.18  |Q        |          |          |         V|
  22+25      12.2601      0.99  Q         |          |          |         V|
  22+30      12.2666      0.94  Q         |          |          |         V|
  22+35      12.2729      0.92  Q         |          |          |         V|
  22+40      12.2792      0.91  Q         |          |          |         V|
  22+45      12.2854      0.91  Q         |          |          |         V|
  22+50      12.2917      0.91  Q         |          |          |         V|
  22+55      12.2979      0.91  Q         |          |          |         V|
  23+ 0      12.3042      0.91  Q         |          |          |         V|
  23+ 5      12.3105      0.91  Q         |          |          |         V|
  23+10      12.3167      0.91  Q         |          |          |         V|
  23+15      12.3230      0.91  Q         |          |          |         V|
  23+20      12.3292      0.91  Q         |          |          |         V|
  23+25      12.3355      0.91  Q         |          |          |         V|
  23+30      12.3417      0.91  Q         |          |          |         V|
  23+35      12.3480      0.91  Q         |          |          |         V|
  23+40      12.3542      0.91  Q         |          |          |         V|
  23+45      12.3605      0.91  Q         |          |          |         V|
  23+50      12.3668      0.91  Q         |          |          |         V|
  23+55      12.3730      0.91  Q         |          |          |         V|
  24+ 0      12.3793      0.91  Q         |          |          |         V|
  24+ 5      12.3832      0.57  Q         |          |          |         V|
  24+10      12.3843      0.16  Q         |          |          |         V|
  24+15      12.3847      0.06  Q         |          |          |         V|
  24+20      12.3849      0.02  Q         |          |          |          V
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ROUTING

DEPTH vs OUTFLOW CALCULATIONS

OUTFLOW VS DEPTH CALCULATIONS

			HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	WEIR	
		No. of Holes →	**8**	**4**	0	0	**1**	0	0	0	0	**1**	No. of Weir
			HOLE C	**HOLE C**	HOLE C	HOLE C	**HOLE C**	HOLE C	HOLE C	HOLE C	HOLE C	WEIR	
		Discharge Coefficient →	**0.6**	**0.6**	0.6	0.6	**0.6**	0.6	0.6	0.6	0.6	**3.33**	Weir Coefficient
			HOLE FL	**HOLE FL**	HOLE FL	HOLE FL	**HOLE FL**	HOLE FL	HOLE FL	HOLE FL	HOLE FL	DIST TO WEIR	
Distance of Holes from Basin Bottom (in)		→	**1**	**12**	18	40	**45**	49	53	57	61	**60**	Distance of Top of Weir from Basin Bottom (in)
			HOLE R	**HOLE R**	HOLE R	HOLE R	**HOLE R**	HOLE R	HOLE R	HOLE R	HOLE R	WEIR LENGTH FT	
		Rect. Height (in) →	**2**	**2**	2	6	**9**	2	2	2	2	**30.000**	**Riser Pipe Perimeter (ft) =10'X5' Riser Pipe- WEIR 1**
		Rect. Width (in) →	**2**	**2**	80	12	**48**	84	84	84	84		
			CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	WEIR ELEV	
		Hole Centerline Elev (ft) →	1010.1667	1011.083	1011.5833	1013.58333	1014.125	1014.1667	1014.5	1014.8333	1015.17	**1015.0**	Top of Riser Elevation (ft)
ELEV	DEPTH	OUTFLOW											
1010.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1011.00	1	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1012.00	2	1.96	1.45	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1013.00	3	2.54	1.80	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1014.00	4	3.01	2.09	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1015.00	5	16.92	2.35	1.06	0.00	0.00	13.51	0.00	0.00	0.00	0.00	0.00	
1016.00	6	123.45	2.58	1.19	0.00	0.00	19.78	0.00	0.00	0.00	0.00	99.90	
1017.00	7	311.15	2.80	1.30	0.00	0.00	24.49	0.00	0.00	0.00	0.00	282.56	
1018.00	8	551.93	2.99	1.41	0.00	0.00	28.43	0.00	0.00	0.00	0.00	519.10	
1019.00	9	835.78	3.18	1.51	0.00	0.00	31.89	0.00	0.00	0.00	0.00	799.20	

↑ [Σ FLOWS (HOLES+RISER)]

(OUTFLOW THROUGH HOLES)

↑ (FLOW OVER TOP OF WEIR 1)

Note:

Orifice outflow is based on:

1. $Q=CA(2gH)^{0.5}$
   where:
   C = Coefficient, 0.6 used here
   A = Orifice Area
   H = Headwater

Weir flow is based on:

2. $Q=CLH^{1.5}$
   where:
   C = Coefficient, 3.33 used here
   L = Weir Length, Grate Perimeter was used here
   H = Headwater

RIO VISTA DEVELOPMENT, TR 37074
BASIN E
With 8@ 2"x2", 4@2"X2", 1@ 9"x48" Rectangular Orifice

STORAGE CAPACITY CALCULATION

Elevation (ft)	Contour Interval (ft)	Accumulate Depth (ft)	Area (sqft)	Area (acres)	Mean Area (acres)	Volume (ac-ft)	$Volume_{accumulat}$ (ac-ft)	$Volume_{accumulat}$ (cu-yd)	*Qout (cfs)
1010.00			14150	0.32			**0.0**	0.0	**0.00**
1011.00	1.00	**1.00**	16322	0.37	0.35	0.35	**0.35**	564.30	**0.98**
1012.00	1.00	**2.00**	20098	0.46	0.42	0.42	**0.77**	1238.74	**1.96**
1013.00	1.00	**3.00**	22503	0.52	0.49	0.49	**1.26**	2027.65	**2.54**
1014.00	1.00	**4.00**	25011	0.57	0.55	0.55	**1.80**	2907.54	**3.01**
1015.00	1.00 Riser rim	**5.00**	27615	0.63	0.60	0.60	**2.41**	3882.09	**16.92**
1016.00	1.00	**6.00**	30317	0.70	0.66	0.66	**3.07**	4954.91	**123.45**
1017.00	1.00	**7.00**	33134	0.76	0.73	0.73	**3.80**	6129.93	**311.15**
1018.00	1.00	**8.00**	36043	0.83	0.79	0.79	**4.59**	7410.98	**551.93**
1019.00	1.00 **SPILLWAY**	**9.00**	39054	0.90	0.86	0.86	**5.46**	8801.67	**835.78**

*** SEE RATING CURVE**

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRE242.rte
**********HYDROGRAPH DATA**********
Number of intervals = 292
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.956 (CFS)
Total volume = 3.619 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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RIO VISTA DEVELOPMENT
BASIN E- ROUTING
2YR-24HR STORM

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 292
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.350	0.980	0.347	0.353
2.000	0.770	1.960	0.763	0.777
3.000	1.260	2.540	1.251	1.269
4.000	1.800	3.010	1.790	1.810
5.000	2.410	16.920	2.352	2.468
6.000	3.070	123.450	2.645	3.495
7.000	3.800	311.150	2.729	4.871
8.000	4.590	551.930	2.689	6.491

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 1.5 2.98 4.47 5.96	Depth (Ft.)
0.083	0.13	0.00	0.000	O | | | |	0.00
0.167	0.29	0.01	0.002	OI | | | |	0.01
0.250	0.33	0.01	0.004	OI | | | |	0.01

0.333	0.41	0.02	0.006	O I	|	|	|	0.02
0.417	0.50	0.03	0.009	O I	|	|	|	0.03
0.500	0.51	0.04	0.013	O I	|	|	|	0.04
0.583	0.52	0.04	0.016	O I	|	|	|	0.05
0.667	0.53	0.05	0.019	O I	|	|	|	0.05
0.750	0.53	0.06	0.022	O I	|	|	|	0.06
0.833	0.59	0.07	0.026	O I	|	|	|	0.07
0.917	0.67	0.08	0.030	O I	|	|	|	0.08
1.000	0.69	0.09	0.034	O I	|	|	|	0.10
1.083	0.63	0.10	0.037	O I	|	|	|	0.11
1.167	0.56	0.11	0.041	O I	|	|	|	0.12
1.250	0.54	0.12	0.044	O I	|	|	|	0.12
1.333	0.53	0.13	0.047	O I	|	|	|	0.13
1.417	0.53	0.14	0.049	O I	|	|	|	0.14
1.500	0.53	0.15	0.052	O I	|	|	|	0.15
1.583	0.53	0.15	0.054	O I	|	|	|	0.16
1.667	0.53	0.16	0.057	O I	|	|	|	0.16
1.750	0.53	0.17	0.060	O I	|	|	|	0.17
1.833	0.59	0.17	0.062	O I	|	|	|	0.18
1.917	0.67	0.18	0.065	O I	|	|	|	0.19
2.000	0.69	0.19	0.069	O I	|	|	|	0.20
2.083	0.70	0.20	0.072	O I	|	|	|	0.21
2.167	0.70	0.21	0.075	O I	|	|	|	0.22
2.250	0.70	0.22	0.079	O I	|	|	|	0.23
2.333	0.70	0.23	0.082	O I	|	|	|	0.23
2.417	0.70	0.24	0.085	O I	|	|	|	0.24
2.500	0.70	0.25	0.088	O I	|	|	|	0.25
2.583	0.77	0.26	0.092	O I	|	|	|	0.26
2.667	0.85	0.27	0.096	O I	|	|	|	0.27
2.750	0.86	0.28	0.100	O I	|	|	|	0.28
2.833	0.87	0.29	0.104	O I	|	|	|	0.30
2.917	0.88	0.30	0.108	O I	|	|	|	0.31
3.000	0.88	0.31	0.111	O I	|	|	|	0.32
3.083	0.88	0.32	0.115	O I	|	|	|	0.33
3.167	0.88	0.33	0.119	O I	|	|	|	0.34
3.250	0.88	0.34	0.123	O I	|	|	|	0.35
3.333	0.88	0.35	0.126	O I	|	|	|	0.36
3.417	0.88	0.36	0.130	O I	|	|	|	0.37
3.500	0.88	0.37	0.133	O I	|	|	|	0.38
3.583	0.88	0.38	0.137	O I	|	|	|	0.39
3.667	0.88	0.39	0.140	O I	|	|	|	0.40
3.750	0.88	0.40	0.144	O I	|	|	|	0.41
3.833	0.94	0.41	0.147	O I	|	|	|	0.42
3.917	1.02	0.42	0.151	O I	|	|	|	0.43
4.000	1.04	0.43	0.155	O I	|	|	|	0.44
4.083	1.05	0.45	0.159	O I	|	|	|	0.45
4.167	1.05	0.46	0.163	O I	|	|	|	0.47
4.250	1.05	0.47	0.167	O I	|	|	|	0.48
4.333	1.12	0.48	0.172	O I	|	|	|	0.49
4.417	1.20	0.49	0.176	O I	|	|	|	0.50
4.500	1.21	0.51	0.181	O I	|	|	|	0.52
4.583	1.22	0.52	0.186	O I	|	|	|	0.53
4.667	1.23	0.53	0.191	O I	|	|	|	0.54
4.750	1.23	0.55	0.195	O I	|	|	|	0.56
4.833	1.29	0.56	0.200	O I	|	|	|	0.57
4.917	1.37	0.58	0.205	O I	|	|	|	0.59
5.000	1.39	0.59	0.211	O I	|	|	|	0.60
5.083	1.27	0.60	0.216	O I	|	|	|	0.62
5.167	1.11	0.62	0.220	O I	|	|	|	0.63
5.250	1.08	0.63	0.223	O I	|	|	|	0.64
5.333	1.12	0.63	0.226	O I	|	|	|	0.65
5.417	1.20	0.64	0.230	O I	|	|	|	0.66
5.500	1.21	0.65	0.234	O I	|	|	|	0.67
5.583	1.29	0.67	0.238	O I	|	|	|	0.68
5.667	1.37	0.68	0.242	O I	|	|	|	0.69
5.750	1.39	0.69	0.247	O I	|	|	|	0.71
5.833	1.40	0.71	0.252	O I	|	|	|	0.72

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 5.917    1.40    0.72      0.257  |  O   I|       |       |       |     0.73
 6.000    1.40    0.73      0.261  |  O   I|       |       |       |     0.75
 6.083    1.47    0.75      0.266  |   O  I|       |       |       |     0.76
 6.167    1.55    0.76      0.271  |   O   I       |       |       |     0.78
 6.250    1.56    0.78      0.277  |   O   I       |       |       |     0.79
 6.333    1.57    0.79      0.282  |   O   I       |       |       |     0.81
 6.417    1.58    0.81      0.288  |   O   I       |       |       |     0.82
 6.500    1.58    0.82      0.293  |   O   I       |       |       |     0.84
 6.583    1.64    0.83      0.298  |   O   I       |       |       |     0.85
 6.667    1.72    0.85      0.304  |   O   |I      |       |       |     0.87
 6.750    1.74    0.87      0.310  |   O   |I      |       |       |     0.89
 6.833    1.75    0.88      0.316  |   O   |I      |       |       |     0.90
 6.917    1.75    0.90      0.322  |   O   |I      |       |       |     0.92
 7.000    1.75    0.92      0.328  |   O   |I      |       |       |     0.94
 7.083    1.75    0.93      0.333  |    O  |I      |       |       |     0.95
 7.167    1.75    0.95      0.339  |    O  |I      |       |       |     0.97
 7.250    1.75    0.96      0.344  |    O  |I      |       |       |     0.98
 7.333    1.82    0.98      0.350  |    O  |I      |       |       |     1.00
 7.417    1.90    0.99      0.356  |    O  | I     |       |       |     1.01
 7.500    1.91    1.01      0.362  |    O  | I     |       |       |     1.03
 7.583    1.99    1.02      0.369  |    O  | I     |       |       |     1.04
 7.667    2.07    1.04      0.376  |    O  |  I    |       |       |     1.06
 7.750    2.09    1.06      0.383  |    O  |  I    |       |       |     1.08
 7.833    2.16    1.07      0.390  |    O  |  I    |       |       |     1.10
 7.917    2.25    1.09      0.398  |    O  |   I   |       |       |     1.11
 8.000    2.26    1.11      0.406  |    O  |   I   |       |       |     1.13
 8.083    2.40    1.13      0.414  |     O |   I   |       |       |     1.15
 8.167    2.57    1.15      0.423  |     O |    I  |       |       |     1.17
 8.250    2.60    1.17      0.433  |     O |    I  |       |       |     1.20
 8.333    2.62    1.20      0.443  |     O |     I |       |       |     1.22
 8.417    2.63    1.22      0.453  |     O |     I |       |       |     1.24
 8.500    2.63    1.24      0.462  |     O |     I |       |       |     1.27
 8.583    2.69    1.26      0.472  |     O |     I |       |       |     1.29
 8.667    2.77    1.29      0.482  |     O |     I |       |       |     1.31
 8.750    2.79    1.31      0.492  |      O|     I |       |       |     1.34
 8.833    2.86    1.34      0.502  |      O|      I|       |       |     1.36
 8.917    2.95    1.36      0.513  |      O|      I|       |       |     1.39
 9.000    2.97    1.39      0.524  |      O|      I|       |       |     1.41
 9.083    3.10    1.41      0.535  |      O|       I       |       |     1.44
 9.167    3.27    1.44      0.547  |      O|       |I      |       |     1.47
 9.250    3.30    1.47      0.560  |      O|       |I      |       |     1.50
 9.333    3.38    1.50      0.573  |       O       | I     |       |     1.53
 9.417    3.47    1.53      0.586  |       O       | I     |       |     1.56
 9.500    3.49    1.56      0.599  |       O       | I     |       |     1.59
 9.583    3.56    1.59      0.613  |       O       |  I    |       |     1.63
 9.667    3.65    1.63      0.627  |       O       |  I    |       |     1.66
 9.750    3.67    1.66      0.640  |       O       |  I    |       |     1.69
 9.833    3.74    1.69      0.654  |       |O      |   I   |       |     1.72
 9.917    3.82    1.72      0.669  |       |O      |   I   |       |     1.76
10.000    3.84    1.76      0.683  |       |O      |   I   |       |     1.79
10.083    3.40    1.79      0.696  |       |O      | I     |       |     1.82
10.167    2.84    1.81      0.705  |       |O     I|       |       |     1.85
10.250    2.71    1.82      0.712  |       |O    I |       |       |     1.86
10.333    2.66    1.84      0.717  |       |O    I |       |       |     1.87
10.417    2.63    1.85      0.723  |       |O    I |       |       |     1.89
10.500    2.63    1.86      0.728  |       | O   I |       |       |     1.90
10.583    2.95    1.88      0.735  |       | O    I|       |       |     1.92
10.667    3.35    1.90      0.743  |       | O     | I     |       |     1.94
10.750    3.44    1.92      0.754  |       | O     | I     |       |     1.96
10.833    3.48    1.95      0.764  |       | O     | I     |       |     1.99
10.917    3.50    1.97      0.775  |       | O     | I     |       |     2.01
11.000    3.50    1.98      0.785  |       | O     | I     |       |     2.03
11.083    3.44    1.99      0.795  |       | O     | I     |       |     2.05
11.167    3.36    2.00      0.805  |       | O     | I     |       |     2.07
11.250    3.34    2.01      0.814  |       | O     |I      |       |     2.09
11.333    3.33    2.02      0.823  |       | O     |I      |       |     2.11
11.417    3.33    2.03      0.832  |       | O     |I      |       |     2.13
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11.500    3.33    2.04      0.841  |        | O     |I      |        |      2.15
11.583    3.20    2.05      0.850  |        |  O    |I      |        |      2.16
11.667    3.04    2.06      0.857  |        |  O    I       |        |      2.18
11.750    3.00    2.07      0.864  |        |  O    I       |        |      2.19
11.833    3.05    2.08      0.870  |        |  O    I       |        |      2.20
11.917    3.12    2.09      0.877  |        |  O    I       |        |      2.22
12.000    3.14    2.10      0.884  |        |  O    I       |        |      2.23
12.083    3.60    2.11      0.893  |        |  O    |  I    |        |      2.25
12.167    4.17    2.12      0.905  |        |  O    |     I |        |      2.28
12.250    4.29    2.14      0.920  |        |  O    |      I|        |      2.31
12.333    4.41    2.16      0.935  |        |  O    |      I|        |      2.34
12.417    4.52    2.17      0.951  |        |  O    |       I        |      2.37
12.500    4.54    2.19      0.967  |        |  O    |       I        |      2.40
12.583    4.68    2.21      0.983  |        |  O    |       |I       |      2.44
12.667    4.84    2.23      1.001  |        |  O    |       | I      |      2.47
12.750    4.88    2.25      1.019  |        |   O   |       | I      |      2.51
12.833    4.96    2.28      1.037  |        |   O   |       | I      |      2.55
12.917    5.05    2.30      1.056  |        |   O   |       |  I     |      2.58
13.000    5.07    2.32      1.075  |        |   O   |       |  I     |      2.62
13.083    5.40    2.34      1.095  |        |   O   |       |    I   |      2.66
13.167    5.80    2.37      1.117  |        |   O   |       |      I|      2.71
13.250    5.89    2.40      1.141  |        |   O   |       |      I|      2.76
13.333    5.93    2.43      1.165  |        |    O  |       |      I|      2.81
13.417    5.96    2.46      1.189  |        |    O  |       |       I      2.86
13.500    5.96    2.48      1.213  |        |    O  |       |       I      2.90
13.583    5.25    2.51      1.235  |        |    O  |       |   I   |      2.95
13.667    4.36    2.53      1.250  |        |    O  |      I|       |      2.98
13.750    4.16    2.54      1.262  |        |    O  |     I |       |      3.00
13.833    4.08    2.55      1.273  |        |    O  |    I  |       |      3.02
13.917    4.03    2.56      1.283  |        |    O  |    I  |       |      3.04
14.000    4.03    2.57      1.294  |        |    O  |    I  |       |      3.06
14.083    4.29    2.58      1.304  |        |    O  |      I|       |      3.08
14.167    4.61    2.59      1.317  |        |    O  |       I       |      3.11
14.250    4.68    2.60      1.331  |        |    O  |       |I      |      3.13
14.333    4.65    2.61      1.346  |        |     O |       I       |      3.16
14.417    4.58    2.63      1.359  |        |     O |       I       |      3.18
14.500    4.57    2.64      1.373  |        |     O |       I       |      3.21
14.583    4.56    2.65      1.386  |        |     O |       I       |      3.23
14.667    4.55    2.66      1.399  |        |     O |       I       |      3.26
14.750    4.55    2.67      1.412  |        |     O |       I       |      3.28
14.833    4.49    2.68      1.425  |        |     O |       I       |      3.30
14.917    4.41    2.69      1.437  |        |     O |      I|       |      3.33
15.000    4.39    2.70      1.449  |        |     O |      I|       |      3.35
15.083    4.32    2.71      1.460  |        |     O |      I|       |      3.37
15.167    4.23    2.72      1.471  |        |     O |     I |       |      3.39
15.250    4.22    2.73      1.481  |        |     O |     I |       |      3.41
15.333    4.14    2.74      1.491  |        |     O |     I |       |      3.43
15.417    4.06    2.75      1.500  |        |     O |    I  |       |      3.44
15.500    4.04    2.76      1.509  |        |     O |    I  |       |      3.46
15.583    3.78    2.76      1.517  |        |     O |   I   |       |      3.48
15.667    3.45    2.77      1.523  |        |     O | I     |       |      3.49
15.750    3.38    2.77      1.527  |        |     O | I     |       |      3.49
15.833    3.35    2.78      1.531  |        |     O |I      |       |      3.50
15.917    3.33    2.78      1.535  |        |     O |I      |       |      3.51
16.000    3.33    2.78      1.539  |        |     O |I      |       |      3.52
16.083    2.36    2.78      1.539  |        |   I O |       |       |      3.52
16.167    1.16    2.78      1.532  |     I  |     O |       |       |      3.50
16.250    0.89    2.77      1.520  |   I    |     O |       |       |      3.48
16.333    0.77    2.75      1.507  |   I    |     O |       |       |      3.46
16.417    0.70    2.74      1.493  |  I     |     O |       |       |      3.43
16.500    0.70    2.73      1.479  |  I     |     O |       |       |      3.41
16.583    0.64    2.72      1.465  |  I     |     O |       |       |      3.38
16.667    0.56    2.71      1.450  | I      |     O |       |       |      3.35
16.750    0.54    2.69      1.436  | I      |     O |       |       |      3.33
16.833    0.53    2.68      1.421  | I      |     O |       |       |      3.30
16.917    0.53    2.67      1.406  | I      |     O |       |       |      3.27
17.000    0.53    2.65      1.391  | I      |     O |       |       |      3.24
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17.083    0.65    2.64      1.377  |  I    |     O |       |       |     3.22
17.167    0.81    2.63      1.364  |   I   |     O |       |       |     3.19
17.250    0.85    2.62      1.352  |   I   |     O |       |       |     3.17
17.333    0.87    2.61      1.340  |   I   |     O |       |       |     3.15
17.417    0.88    2.60      1.328  |   I   |    O  |       |       |     3.13
17.500    0.88    2.59      1.316  |   I   |    O  |       |       |     3.10
17.583    0.88    2.58      1.304  |   I   |    O  |       |       |     3.08
17.667    0.88    2.57      1.292  |   I   |    O  |       |       |     3.06
17.750    0.88    2.56      1.281  |   I   |    O  |       |       |     3.04
17.833    0.81    2.55      1.269  |   I   |    O  |       |       |     3.02
17.917    0.73    2.54      1.257  |  I    |    O  |       |       |     2.99
18.000    0.71    2.52      1.244  |  I    |    O  |       |       |     2.97
18.083    0.71    2.51      1.232  |  I    |    O  |       |       |     2.94
18.167    0.70    2.49      1.219  |  I    |    O  |       |       |     2.92
18.250    0.70    2.48      1.207  |  I    |    O  |       |       |     2.89
18.333    0.70    2.46      1.195  |  I    |    O  |       |       |     2.87
18.417    0.70    2.45      1.183  |  I    |    O  |       |       |     2.84
18.500    0.70    2.43      1.171  |  I    |    O  |       |       |     2.82
18.583    0.64    2.42      1.159  |  I    |    O  |       |       |     2.79
18.667    0.56    2.41      1.146  | I     |   O   |       |       |     2.77
18.750    0.54    2.39      1.134  | I     |   O   |       |       |     2.74
18.833    0.47    2.38      1.121  | I     |   O   |       |       |     2.72
18.917    0.38    2.36      1.107  | I     |   O   |       |       |     2.69
19.000    0.36    2.34      1.094  |I      |   O   |       |       |     2.66
19.083    0.42    2.33      1.080  | I     |   O   |       |       |     2.63
19.167    0.50    2.31      1.067  | I     |   O   |       |       |     2.61
19.250    0.51    2.30      1.055  | I     |   O   |       |       |     2.58
19.333    0.59    2.28      1.043  |  I    |   O   |       |       |     2.56
19.417    0.67    2.27      1.032  |  I    |   O   |       |       |     2.53
19.500    0.69    2.26      1.021  |  I    |   O   |       |       |     2.51
19.583    0.63    2.24      1.010  |  I    |   O   |       |       |     2.49
19.667    0.56    2.23      0.998  | I     |  O    |       |       |     2.47
19.750    0.54    2.22      0.987  | I     |  O    |       |       |     2.44
19.833    0.47    2.20      0.975  | I     |  O    |       |       |     2.42
19.917    0.38    2.19      0.963  | I     |  O    |       |       |     2.39
20.000    0.36    2.17      0.950  |I      |  O    |       |       |     2.37
20.083    0.42    2.16      0.938  | I     |  O    |       |       |     2.34
20.167    0.50    2.15      0.927  | I     |  O    |       |       |     2.32
20.250    0.51    2.13      0.915  | I     |  O    |       |       |     2.30
20.333    0.52    2.12      0.904  | I     |  O    |       |       |     2.27
20.417    0.53    2.11      0.893  | I     |  O    |       |       |     2.25
20.500    0.53    2.09      0.882  | I     |  O    |       |       |     2.23
20.583    0.53    2.08      0.872  | I     |  O    |       |       |     2.21
20.667    0.53    2.07      0.861  | I     |  O    |       |       |     2.19
20.750    0.53    2.06      0.850  | I     |  O    |       |       |     2.16
20.833    0.46    2.04      0.840  | I     | O     |       |       |     2.14
20.917    0.38    2.03      0.829  | I     | O     |       |       |     2.12
21.000    0.36    2.02      0.817  |I      | O     |       |       |     2.10
21.083    0.42    2.00      0.806  | I     | O     |       |       |     2.07
21.167    0.50    1.99      0.796  | I     | O     |       |       |     2.05
21.250    0.51    1.98      0.785  | I     | O     |       |       |     2.03
21.333    0.46    1.97      0.775  | I     | O     |       |       |     2.01
21.417    0.38    1.95      0.764  | I     | O     |       |       |     1.99
21.500    0.36    1.92      0.754  |I      | O     |       |       |     1.96
21.583    0.42    1.90      0.743  | I     | O     |       |       |     1.94
21.667    0.50    1.87      0.733  | I     | O     |       |       |     1.91
21.750    0.51    1.85      0.724  | I     |O      |       |       |     1.89
21.833    0.46    1.83      0.715  | I     |O      |       |       |     1.87
21.917    0.38    1.81      0.705  | I     |O      |       |       |     1.85
22.000    0.36    1.79      0.695  |I      |O      |       |       |     1.82
22.083    0.42    1.76      0.686  | I     |O      |       |       |     1.80
22.167    0.50    1.74      0.677  | I     |O      |       |       |     1.78
22.250    0.51    1.72      0.668  | I     |O      |       |       |     1.76
22.333    0.46    1.70      0.660  | I     |O      |       |       |     1.74
22.417    0.38    1.68      0.651  | I     |O      |       |       |     1.72
22.500    0.36    1.66      0.642  |I      O       |       |       |     1.70
22.583    0.35    1.64      0.633  |I      O       |       |       |     1.67
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22.667    0.35    1.62      0.624  |I      O       |       |       |     1.65
22.750    0.35    1.60      0.616  |I      O       |       |       |     1.63
22.833    0.35    1.58      0.607  |I      O       |       |       |     1.61
22.917    0.35    1.56      0.599  |I      O       |       |       |     1.59
23.000    0.35    1.54      0.591  |I      O       |       |       |     1.57
23.083    0.35    1.52      0.582  |I      O       |       |       |     1.55
23.167    0.35    1.50      0.574  |I      O       |       |       |     1.53
23.250    0.35    1.49      0.567  |I     O|       |       |       |     1.52
23.333    0.35    1.47      0.559  |I     O|       |       |       |     1.50
23.417    0.35    1.45      0.551  |I     O|       |       |       |     1.48
23.500    0.35    1.43      0.544  |I     O|       |       |       |     1.46
23.583    0.35    1.41      0.536  |I     O|       |       |       |     1.44
23.667    0.35    1.40      0.529  |I     O|       |       |       |     1.43
23.750    0.35    1.38      0.522  |I     O|       |       |       |     1.41
23.833    0.35    1.36      0.515  |I     O|       |       |       |     1.39
23.917    0.35    1.35      0.508  |I     O|       |       |       |     1.38
24.000    0.35    1.33      0.501  |I     O|       |       |       |     1.36
24.083    0.22    1.32      0.494  |I     O|       |       |       |     1.34
24.167    0.06    1.30      0.486  I     O |       |       |       |     1.32
24.250    0.02    1.28      0.477  I     O |       |       |       |     1.30
24.333    0.01    1.26      0.469  I     O |       |       |       |     1.28
24.417    0.00    1.24      0.460  I     O |       |       |       |     1.26
24.500    0.00    1.22      0.452  I     O |       |       |       |     1.24
24.583    0.00    1.20      0.443  I     O |       |       |       |     1.22
24.667    0.00    1.18      0.435  I     O |       |       |       |     1.20
24.750    0.00    1.16      0.427  I     O |       |       |       |     1.18
24.833    0.00    1.14      0.419  I     O |       |       |       |     1.16
24.917    0.00    1.12      0.411  I     O |       |       |       |     1.15
25.000    0.00    1.11      0.404  I    O  |       |       |       |     1.13
25.083    0.00    1.09      0.396  I    O  |       |       |       |     1.11
25.167    0.00    1.07      0.389  I    O  |       |       |       |     1.09
25.250    0.00    1.05      0.381  I    O  |       |       |       |     1.07
25.333    0.00    1.04      0.374  I    O  |       |       |       |     1.06
25.417    0.00    1.02      0.367  I    O  |       |       |       |     1.04
25.500    0.00    1.00      0.360  I    O  |       |       |       |     1.02
25.583    0.00    0.99      0.353  I    O  |       |       |       |     1.01
25.667    0.00    0.97      0.347  I    O  |       |       |       |     0.99
25.750    0.00    0.95      0.340  I    O  |       |       |       |     0.97
25.833    0.00    0.93      0.333  I    O  |       |       |       |     0.95
25.917    0.00    0.92      0.327  I   O   |       |       |       |     0.93
26.000    0.00    0.90      0.321  I   O   |       |       |       |     0.92
26.083    0.00    0.88      0.315  I   O   |       |       |       |     0.90
26.167    0.00    0.86      0.309  I   O   |       |       |       |     0.88
26.250    0.00    0.85      0.303  I   O   |       |       |       |     0.87
26.333    0.00    0.83      0.297  I   O   |       |       |       |     0.85
26.417    0.00    0.82      0.291  I   O   |       |       |       |     0.83
26.500    0.00    0.80      0.286  I   O   |       |       |       |     0.82
26.583    0.00    0.78      0.280  I   O   |       |       |       |     0.80
26.667    0.00    0.77      0.275  I   O   |       |       |       |     0.79
26.750    0.00    0.76      0.270  I   O   |       |       |       |     0.77
26.833    0.00    0.74      0.265  I  O    |       |       |       |     0.76
26.917    0.00    0.73      0.260  I  O    |       |       |       |     0.74
27.000    0.00    0.71      0.255  I  O    |       |       |       |     0.73
27.083    0.00    0.70      0.250  I  O    |       |       |       |     0.71
27.167    0.00    0.69      0.245  I  O    |       |       |       |     0.70
27.250    0.00    0.67      0.240  I  O    |       |       |       |     0.69
27.333    0.00    0.66      0.236  I  O    |       |       |       |     0.67
27.417    0.00    0.65      0.231  I  O    |       |       |       |     0.66
27.500    0.00    0.63      0.227  I  O    |       |       |       |     0.65
27.583    0.00    0.62      0.222  I  O    |       |       |       |     0.64
27.667    0.00    0.61      0.218  I  O    |       |       |       |     0.62
27.750    0.00    0.60      0.214  I  O    |       |       |       |     0.61
27.833    0.00    0.59      0.210  I  O    |       |       |       |     0.60
27.917    0.00    0.58      0.206  I  O    |       |       |       |     0.59
28.000    0.00    0.57      0.202  I  O    |       |       |       |     0.58
28.083    0.00    0.55      0.198  I O     |       |       |       |     0.57
28.167    0.00    0.54      0.194  I O     |       |       |       |     0.56
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28.250	0.00	0.53	0.191	I O	|	|	|	0.54
28.333	0.00	0.52	0.187	I O	|	|	|	0.53
28.417	0.00	0.51	0.183	I O	|	|	|	0.52
28.500	0.00	0.50	0.180	I O	|	|	|	0.51
28.583	0.00	0.49	0.176	I O	|	|	|	0.50
28.667	0.00	0.48	0.173	I O	|	|	|	0.49
28.750	0.00	0.48	0.170	I O	|	|	|	0.49
28.833	0.00	0.47	0.167	I O	|	|	|	0.48
28.917	0.00	0.46	0.163	I O	|	|	|	0.47
29.000	0.00	0.45	0.160	I O	|	|	|	0.46
29.083	0.00	0.44	0.157	I O	|	|	|	0.45
29.167	0.00	0.43	0.154	I O	|	|	|	0.44
29.250	0.00	0.42	0.151	I O	|	|	|	0.43
29.333	0.00	0.42	0.148	I O	|	|	|	0.42
29.417	0.00	0.41	0.146	I O	|	|	|	0.42
29.500	0.00	0.40	0.143	I O	|	|	|	0.41
29.583	0.00	0.39	0.140	I O	|	|	|	0.40
29.667	0.00	0.38	0.137	I O	|	|	|	0.39
29.750	0.00	0.38	0.135	I O	|	|	|	0.38
29.833	0.00	0.37	0.132	IO	|	|	|	0.38
29.917	0.00	0.36	0.130	IO	|	|	|	0.37
30.000	0.00	0.36	0.127	IO	|	|	|	0.36
30.083	0.00	0.35	0.125	IO	|	|	|	0.36
30.167	0.00	0.34	0.122	IO	|	|	|	0.35
30.250	0.00	0.34	0.120	IO	|	|	|	0.34
30.333	0.00	0.33	0.118	IO	|	|	|	0.34
30.417	0.00	0.32	0.115	IO	|	|	|	0.33
30.500	0.00	0.32	0.113	IO	|	|	|	0.32
30.583	0.00	0.31	0.111	IO	|	|	|	0.32
30.667	0.00	0.31	0.109	IO	|	|	|	0.31
30.750	0.00	0.30	0.107	IO	|	|	|	0.31
30.833	0.00	0.29	0.105	IO	|	|	|	0.30
30.917	0.00	0.29	0.103	IO	|	|	|	0.29
31.000	0.00	0.28	0.101	IO	|	|	|	0.29
31.083	0.00	0.28	0.099	IO	|	|	|	0.28
31.167	0.00	0.27	0.097	IO	|	|	|	0.28
31.250	0.00	0.27	0.095	IO	|	|	|	0.27
31.333	0.00	0.26	0.093	IO	|	|	|	0.27
31.417	0.00	0.26	0.092	IO	|	|	|	0.26
31.500	0.00	0.25	0.090	IO	|	|	|	0.26
31.583	0.00	0.25	0.088	IO	|	|	|	0.25
31.667	0.00	0.24	0.086	IO	|	|	|	0.25
31.750	0.00	0.24	0.085	IO	|	|	|	0.24
31.833	0.00	0.23	0.083	IO	|	|	|	0.24
31.917	0.00	0.23	0.082	IO	|	|	|	0.23
32.000	0.00	0.22	0.080	IO	|	|	|	0.23
32.083	0.00	0.22	0.079	IO	|	|	|	0.22
32.167	0.00	0.22	0.077	IO	|	|	|	0.22
32.250	0.00	0.21	0.076	IO	|	|	|	0.22
32.333	0.00	0.21	0.074	IO	|	|	|	0.21
32.417	0.00	0.20	0.073	IO	|	|	|	0.21
32.500	0.00	0.20	0.071	IO	|	|	|	0.20
32.583	0.00	0.20	0.070	IO	|	|	|	0.20
32.667	0.00	0.19	0.069	IO	|	|	|	0.20
32.750	0.00	0.19	0.067	IO	|	|	|	0.19
32.833	0.00	0.18	0.066	O	|	|	|	0.19
32.917	0.00	0.18	0.065	O	|	|	|	0.18
33.000	0.00	0.18	0.064	O	|	|	|	0.18
33.083	0.00	0.17	0.062	O	|	|	|	0.18
33.167	0.00	0.17	0.061	O	|	|	|	0.17
33.250	0.00	0.17	0.060	O	|	|	|	0.17
33.333	0.00	0.16	0.059	O	|	|	|	0.17
33.417	0.00	0.16	0.058	O	|	|	|	0.16
33.500	0.00	0.16	0.057	O	|	|	|	0.16
33.583	0.00	0.16	0.055	O	|	|	|	0.16
33.667	0.00	0.15	0.054	O	|	|	|	0.16
33.750	0.00	0.15	0.053	O	|	|	|	0.15

33.833	0.00	0.15	0.052	O	|	|	|	|	0.15
33.917	0.00	0.14	0.051	O	|	|	|	|	0.15
34.000	0.00	0.14	0.050	O	|	|	|	|	0.14
34.083	0.00	0.14	0.049	O	|	|	|	|	0.14
34.167	0.00	0.14	0.048	O	|	|	|	|	0.14
34.250	0.00	0.13	0.048	O	|	|	|	|	0.14
34.333	0.00	0.13	0.047	O	|	|	|	|	0.13
34.417	0.00	0.13	0.046	O	|	|	|	|	0.13
34.500	0.00	0.13	0.045	O	|	|	|	|	0.13
34.583	0.00	0.12	0.044	O	|	|	|	|	0.13
34.667	0.00	0.12	0.043	O	|	|	|	|	0.12
34.750	0.00	0.12	0.042	O	|	|	|	|	0.12
34.833	0.00	0.12	0.042	O	|	|	|	|	0.12
34.917	0.00	0.11	0.041	O	|	|	|	|	0.12
35.000	0.00	0.11	0.040	O	|	|	|	|	0.11
35.083	0.00	0.11	0.039	O	|	|	|	|	0.11
35.167	0.00	0.11	0.038	O	|	|	|	|	0.11
35.250	0.00	0.11	0.038	O	|	|	|	|	0.11
35.333	0.00	0.10	0.037	O	|	|	|	|	0.11
35.417	0.00	0.10	0.036	O	|	|	|	|	0.10
35.500	0.00	0.10	0.036	O	|	|	|	|	0.10
35.583	0.00	0.10	0.035	O	|	|	|	|	0.10
35.667	0.00	0.10	0.034	O	|	|	|	|	0.10
35.750	0.00	0.09	0.034	O	|	|	|	|	0.10
35.833	0.00	0.09	0.033	O	|	|	|	|	0.09
35.917	0.00	0.09	0.032	O	|	|	|	|	0.09
36.000	0.00	0.09	0.032	O	|	|	|	|	0.09
36.083	0.00	0.09	0.031	O	|	|	|	|	0.09
36.167	0.00	0.09	0.031	O	|	|	|	|	0.09
36.250	0.00	0.08	0.030	O	|	|	|	|	0.09
36.333	0.00	0.08	0.029	O	|	|	|	|	0.08
36.417	0.00	0.08	0.029	O	|	|	|	|	0.08
36.500	0.00	0.08	0.028	O	|	|	|	|	0.08
36.583	0.00	0.08	0.028	O	|	|	|	|	0.08
36.667	0.00	0.08	0.027	O	|	|	|	|	0.08
36.750	0.00	0.07	0.027	O	|	|	|	|	0.08
36.833	0.00	0.07	0.026	O	|	|	|	|	0.07
36.917	0.00	0.07	0.026	O	|	|	|	|	0.07
37.000	0.00	0.07	0.025	O	|	|	|	|	0.07
37.083	0.00	0.07	0.025	O	|	|	|	|	0.07
37.167	0.00	0.07	0.024	O	|	|	|	|	0.07
37.250	0.00	0.07	0.024	O	|	|	|	|	0.07
37.333	0.00	0.07	0.023	O	|	|	|	|	0.07
37.417	0.00	0.06	0.023	O	|	|	|	|	0.07
37.500	0.00	0.06	0.022	O	|	|	|	|	0.06
37.583	0.00	0.06	0.022	O	|	|	|	|	0.06
37.667	0.00	0.06	0.022	O	|	|	|	|	0.06
37.750	0.00	0.06	0.021	O	|	|	|	|	0.06
37.833	0.00	0.06	0.021	O	|	|	|	|	0.06
37.917	0.00	0.06	0.020	O	|	|	|	|	0.06
38.000	0.00	0.06	0.020	O	|	|	|	|	0.06
38.083	0.00	0.05	0.020	O	|	|	|	|	0.06
38.167	0.00	0.05	0.019	O	|	|	|	|	0.05
38.250	0.00	0.05	0.019	O	|	|	|	|	0.05
38.333	0.00	0.05	0.018	O	|	|	|	|	0.05
38.417	0.00	0.05	0.018	O	|	|	|	|	0.05
38.500	0.00	0.05	0.018	O	|	|	|	|	0.05
38.583	0.00	0.05	0.017	O	|	|	|	|	0.05
38.667	0.00	0.05	0.017	O	|	|	|	|	0.05
38.750	0.00	0.05	0.017	O	|	|	|	|	0.05
38.833	0.00	0.05	0.016	O	|	|	|	|	0.05
38.917	0.00	0.05	0.016	O	|	|	|	|	0.05
39.000	0.00	0.04	0.016	O	|	|	|	|	0.05
39.083	0.00	0.04	0.016	O	|	|	|	|	0.04
39.167	0.00	0.04	0.015	O	|	|	|	|	0.04
39.250	0.00	0.04	0.015	O	|	|	|	|	0.04
39.333	0.00	0.04	0.015	O	|	|	|	|	0.04

39.417	0.00	0.04	0.014	O	|	|	|	|	0.04
39.500	0.00	0.04	0.014	O	|	|	|	|	0.04
39.583	0.00	0.04	0.014	O	|	|	|	|	0.04
39.667	0.00	0.04	0.014	O	|	|	|	|	0.04
39.750	0.00	0.04	0.013	O	|	|	|	|	0.04
39.833	0.00	0.04	0.013	O	|	|	|	|	0.04
39.917	0.00	0.04	0.013	O	|	|	|	|	0.04
40.000	0.00	0.04	0.013	O	|	|	|	|	0.04
40.083	0.00	0.03	0.012	O	|	|	|	|	0.04
40.167	0.00	0.03	0.012	O	|	|	|	|	0.03
40.250	0.00	0.03	0.012	O	|	|	|	|	0.03
40.333	0.00	0.03	0.012	O	|	|	|	|	0.03
40.417	0.00	0.03	0.011	O	|	|	|	|	0.03
40.500	0.00	0.03	0.011	O	|	|	|	|	0.03
40.583	0.00	0.03	0.011	O	|	|	|	|	0.03
40.667	0.00	0.03	0.011	O	|	|	|	|	0.03
40.750	0.00	0.03	0.011	O	|	|	|	|	0.03
40.833	0.00	0.03	0.010	O	|	|	|	|	0.03
40.917	0.00	0.03	0.010	O	|	|	|	|	0.03
41.000	0.00	0.03	0.010	O	|	|	|	|	0.03
41.083	0.00	0.03	0.010	O	|	|	|	|	0.03
41.167	0.00	0.03	0.010	O	|	|	|	|	0.03
41.250	0.00	0.03	0.009	O	|	|	|	|	0.03
41.333	0.00	0.03	0.009	O	|	|	|	|	0.03
41.417	0.00	0.03	0.009	O	|	|	|	|	0.03
41.500	0.00	0.02	0.009	O	|	|	|	|	0.03
41.583	0.00	0.02	0.009	O	|	|	|	|	0.02
41.667	0.00	0.02	0.009	O	|	|	|	|	0.02
41.750	0.00	0.02	0.008	O	|	|	|	|	0.02
41.833	0.00	0.02	0.008	O	|	|	|	|	0.02
41.917	0.00	0.02	0.008	O	|	|	|	|	0.02
42.000	0.00	0.02	0.008	O	|	|	|	|	0.02
42.083	0.00	0.02	0.008	O	|	|	|	|	0.02
42.167	0.00	0.02	0.008	O	|	|	|	|	0.02
42.250	0.00	0.02	0.007	O	|	|	|	|	0.02
42.333	0.00	0.02	0.007	O	|	|	|	|	0.02
42.417	0.00	0.02	0.007	O	|	|	|	|	0.02
42.500	0.00	0.02	0.007	O	|	|	|	|	0.02
42.583	0.00	0.02	0.007	O	|	|	|	|	0.02
42.667	0.00	0.02	0.007	O	|	|	|	|	0.02
42.750	0.00	0.02	0.007	O	|	|	|	|	0.02
42.833	0.00	0.02	0.007	O	|	|	|	|	0.02
42.917	0.00	0.02	0.006	O	|	|	|	|	0.02
43.000	0.00	0.02	0.006	O	|	|	|	|	0.02
43.083	0.00	0.02	0.006	O	|	|	|	|	0.02
43.167	0.00	0.02	0.006	O	|	|	|	|	0.02
43.250	0.00	0.02	0.006	O	|	|	|	|	0.02
43.333	0.00	0.02	0.006	O	|	|	|	|	0.02
43.417	0.00	0.02	0.006	O	|	|	|	|	0.02
43.500	0.00	0.02	0.006	O	|	|	|	|	0.02
43.583	0.00	0.02	0.005	O	|	|	|	|	0.02
43.667	0.00	0.02	0.005	O	|	|	|	|	0.02
43.750	0.00	0.01	0.005	O	|	|	|	|	0.02
43.833	0.00	0.01	0.005	O	|	|	|	|	0.01
43.917	0.00	0.01	0.005	O	|	|	|	|	0.01
44.000	0.00	0.01	0.005	O	|	|	|	|	0.01
44.083	0.00	0.01	0.005	O	|	|	|	|	0.01
44.167	0.00	0.01	0.005	O	|	|	|	|	0.01
44.250	0.00	0.01	0.005	O	|	|	|	|	0.01
44.333	0.00	0.01	0.005	O	|	|	|	|	0.01
44.417	0.00	0.01	0.005	O	|	|	|	|	0.01
44.500	0.00	0.01	0.004	O	|	|	|	|	0.01
44.583	0.00	0.01	0.004	O	|	|	|	|	0.01
44.667	0.00	0.01	0.004	O	|	|	|	|	0.01
44.750	0.00	0.01	0.004	O	|	|	|	|	0.01
44.833	0.00	0.01	0.004	O	|	|	|	|	0.01
44.917	0.00	0.01	0.004	O	|	|	|	|	0.01

45.000	0.00	0.01	0.004	O	|	|	|	|	0.01
45.083	0.00	0.01	0.004	O	|	|	|	|	0.01
45.167	0.00	0.01	0.004	O	|	|	|	|	0.01
45.250	0.00	0.01	0.004	O	|	|	|	|	0.01
45.333	0.00	0.01	0.004	O	|	|	|	|	0.01
45.417	0.00	0.01	0.004	O	|	|	|	|	0.01
45.500	0.00	0.01	0.004	O	|	|	|	|	0.01
45.583	0.00	0.01	0.003	O	|	|	|	|	0.01
45.667	0.00	0.01	0.003	O	|	|	|	|	0.01
45.750	0.00	0.01	0.003	O	|	|	|	|	0.01
45.833	0.00	0.01	0.003	O	|	|	|	|	0.01
45.917	0.00	0.01	0.003	O	|	|	|	|	0.01
46.000	0.00	0.01	0.003	O	|	|	|	|	0.01
46.083	0.00	0.01	0.003	O	|	|	|	|	0.01
46.167	0.00	0.01	0.003	O	|	|	|	|	0.01
46.250	0.00	0.01	0.003	O	|	|	|	|	0.01
46.333	0.00	0.01	0.003	O	|	|	|	|	0.01
46.417	0.00	0.01	0.003	O	|	|	|	|	0.01
46.500	0.00	0.01	0.003	O	|	|	|	|	0.01
46.583	0.00	0.01	0.003	O	|	|	|	|	0.01
46.667	0.00	0.01	0.003	O	|	|	|	|	0.01
46.750	0.00	0.01	0.003	O	|	|	|	|	0.01
46.833	0.00	0.01	0.003	O	|	|	|	|	0.01
46.917	0.00	0.01	0.003	O	|	|	|	|	0.01
47.000	0.00	0.01	0.002	O	|	|	|	|	0.01
47.083	0.00	0.01	0.002	O	|	|	|	|	0.01
47.167	0.00	0.01	0.002	O	|	|	|	|	0.01
47.250	0.00	0.01	0.002	O	|	|	|	|	0.01
47.333	0.00	0.01	0.002	O	|	|	|	|	0.01
47.417	0.00	0.01	0.002	O	|	|	|	|	0.01
47.500	0.00	0.01	0.002	O	|	|	|	|	0.01
47.583	0.00	0.01	0.002	O	|	|	|	|	0.01
47.667	0.00	0.01	0.002	O	|	|	|	|	0.01
47.750	0.00	0.01	0.002	O	|	|	|	|	0.01
47.833	0.00	0.01	0.002	O	|	|	|	|	0.01
47.917	0.00	0.01	0.002	O	|	|	|	|	0.01
48.000	0.00	0.01	0.002	O	|	|	|	|	0.01
48.083	0.00	0.01	0.002	O	|	|	|	|	0.01
48.167	0.00	0.01	0.002	O	|	|	|	|	0.01
48.250	0.00	0.01	0.002	O	|	|	|	|	0.01
48.333	0.00	0.01	0.002	O	|	|	|	|	0.01
48.417	0.00	0.01	0.002	O	|	|	|	|	0.01
48.500	0.00	0.00	0.002	O	|	|	|	|	0.01
48.583	0.00	0.00	0.002	O	|	|	|	|	0.00
48.667	0.00	0.00	0.002	O	|	|	|	|	0.00
48.750	0.00	0.00	0.002	O	|	|	|	|	0.00
48.833	0.00	0.00	0.002	O	|	|	|	|	0.00
48.917	0.00	0.00	0.002	O	|	|	|	|	0.00
49.000	0.00	0.00	0.002	O	|	|	|	|	0.00
49.083	0.00	0.00	0.002	O	|	|	|	|	0.00
49.167	0.00	0.00	0.002	O	|	|	|	|	0.00
49.250	0.00	0.00	0.001	O	|	|	|	|	0.00
49.333	0.00	0.00	0.001	O	|	|	|	|	0.00
49.417	0.00	0.00	0.001	O	|	|	|	|	0.00
49.500	0.00	0.00	0.001	O	|	|	|	|	0.00
49.583	0.00	0.00	0.001	O	|	|	|	|	0.00
49.667	0.00	0.00	0.001	O	|	|	|	|	0.00
49.750	0.00	0.00	0.001	O	|	|	|	|	0.00
49.833	0.00	0.00	0.001	O	|	|	|	|	0.00
49.917	0.00	0.00	0.001	O	|	|	|	|	0.00
50.000	0.00	0.00	0.001	O	|	|	|	|	0.00
50.083	0.00	0.00	0.001	O	|	|	|	|	0.00
50.167	0.00	0.00	0.001	O	|	|	|	|	0.00
50.250	0.00	0.00	0.001	O	|	|	|	|	0.00
50.333	0.00	0.00	0.001	O	|	|	|	|	0.00
50.417	0.00	0.00	0.001	O	|	|	|	|	0.00
50.500	0.00	0.00	0.001	O	|	|	|	|	0.00

50.583	0.00	0.00	0.001	O	|	|	|	|	0.00
50.667	0.00	0.00	0.001	O	|	|	|	|	0.00
50.750	0.00	0.00	0.001	O	|	|	|	|	0.00
50.833	0.00	0.00	0.001	O	|	|	|	|	0.00
50.917	0.00	0.00	0.001	O	|	|	|	|	0.00
51.000	0.00	0.00	0.001	O	|	|	|	|	0.00
51.083	0.00	0.00	0.001	O	|	|	|	|	0.00
51.167	0.00	0.00	0.001	O	|	|	|	|	0.00
51.250	0.00	0.00	0.001	O	|	|	|	|	0.00
51.333	0.00	0.00	0.001	O	|	|	|	|	0.00
51.417	0.00	0.00	0.001	O	|	|	|	|	0.00
51.500	0.00	0.00	0.001	O	|	|	|	|	0.00
51.583	0.00	0.00	0.001	O	|	|	|	|	0.00
51.667	0.00	0.00	0.001	O	|	|	|	|	0.00
51.750	0.00	0.00	0.001	O	|	|	|	|	0.00
51.833	0.00	0.00	0.001	O	|	|	|	|	0.00
51.917	0.00	0.00	0.001	O	|	|	|	|	0.00
52.000	0.00	0.00	0.001	O	|	|	|	|	0.00
52.083	0.00	0.00	0.001	O	|	|	|	|	0.00
52.167	0.00	0.00	0.001	O	|	|	|	|	0.00
52.250	0.00	0.00	0.001	O	|	|	|	|	0.00
52.333	0.00	0.00	0.001	O	|	|	|	|	0.00
52.417	0.00	0.00	0.001	O	|	|	|	|	0.00
52.500	0.00	0.00	0.001	O	|	|	|	|	0.00
52.583	0.00	0.00	0.001	O	|	|	|	|	0.00
52.667	0.00	0.00	0.001	O	|	|	|	|	0.00
52.750	0.00	0.00	0.001	O	|	|	|	|	0.00
52.833	0.00	0.00	0.001	O	|	|	|	|	0.00
52.917	0.00	0.00	0.001	O	|	|	|	|	0.00
53.000	0.00	0.00	0.001	O	|	|	|	|	0.00
53.083	0.00	0.00	0.001	O	|	|	|	|	0.00
53.167	0.00	0.00	0.001	O	|	|	|	|	0.00
53.250	0.00	0.00	0.001	O	|	|	|	|	0.00
53.333	0.00	0.00	0.001	O	|	|	|	|	0.00
53.417	0.00	0.00	0.001	O	|	|	|	|	0.00
53.500	0.00	0.00	0.001	O	|	|	|	|	0.00
53.583	0.00	0.00	0.001	O	|	|	|	|	0.00
53.667	0.00	0.00	0.001	O	|	|	|	|	0.00
53.750	0.00	0.00	0.001	O	|	|	|	|	0.00
53.833	0.00	0.00	0.001	O	|	|	|	|	0.00
53.917	0.00	0.00	0.001	O	|	|	|	|	0.00
54.000	0.00	0.00	0.000	O	|	|	|	|	0.00
54.083	0.00	0.00	0.000	O	|	|	|	|	0.00
54.167	0.00	0.00	0.000	O	|	|	|	|	0.00
54.250	0.00	0.00	0.000	O	|	|	|	|	0.00
54.333	0.00	0.00	0.000	O	|	|	|	|	0.00
54.417	0.00	0.00	0.000	O	|	|	|	|	0.00
54.500	0.00	0.00	0.000	O	|	|	|	|	0.00
54.583	0.00	0.00	0.000	O	|	|	|	|	0.00
54.667	0.00	0.00	0.000	O	|	|	|	|	0.00
54.750	0.00	0.00	0.000	O	|	|	|	|	0.00
54.833	0.00	0.00	0.000	O	|	|	|	|	0.00
54.917	0.00	0.00	0.000	O	|	|	|	|	0.00
55.000	0.00	0.00	0.000	O	|	|	|	|	0.00
55.083	0.00	0.00	0.000	O	|	|	|	|	0.00
55.167	0.00	0.00	0.000	O	|	|	|	|	0.00
55.250	0.00	0.00	0.000	O	|	|	|	|	0.00
55.333	0.00	0.00	0.000	O	|	|	|	|	0.00
55.417	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 665
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.783 (CFS)
Total volume = 3.619 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1	Stream 2	Stream 3	Stream 4	Stream 5

```
      Peak (CFS)      0.000     0.000     0.000     0.000     0.000
      Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
*******************************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/13/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRE110.rte

**********HYDROGRAPH DATA**********

Number of intervals = 16
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 83.051 (CFS)
Total volume = 2.202 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN E- ROUTING
10YR-1HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 16
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.350	0.980	0.347	0.353
2.000	0.770	1.960	0.763	0.777
3.000	1.260	2.540	1.251	1.269
4.000	1.800	3.010	1.790	1.810
5.000	2.410	16.920	2.352	2.468
6.000	3.070	123.450	2.645	3.495
7.000	3.800	311.150	2.729	4.871
8.000	4.590	551.930	2.689	6.491

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 20.8 41.53 62.29 83.05	Depth (Ft.)
0.083	2.03	0.02	0.007	O | | | |	0.02
0.167	5.11	0.09	0.031	OI | | | |	0.09

0.250	6.49	0.20	0.070	O I	|	|	|	|	0.20
0.333	7.29	0.32	0.116	O I	|	|	|	|	0.33
0.417	8.08	0.46	0.166	O I	|	|	|	|	0.47
0.500	10.15	0.63	0.225	O I	|	|	|	|	0.64
0.583	13.47	0.84	0.301	O I	|	|	|	|	0.86
0.667	19.37	1.11	0.408	O I	|	|	|	|	1.14
0.750	34.83	1.53	0.585	O	I	|	|	|	1.56
0.833	83.05	2.21	0.978	O	|	|	|	I	2.42
0.917	81.72	2.77	1.528	|O	|	|	|	I|	3.50
1.000	29.17	4.92	1.884	|O	| I	|	|	|	4.14
1.083	12.75	7.25	1.986	| O I	|	|	|	|	4.31
1.167	5.37	**7.52**	**1.998**	**| O**	**|**	**|**	**|**	**|**	**4.32**
1.250	0.77	6.87	1.969	I O	|	|	|	|	4.28
1.333	0.17	5.94	1.928	I O	|	|	|	|	4.21
1.417	0.00	5.08	1.891	IO	|	|	|	|	4.15
1.500	0.00	4.34	1.859	IO	|	|	|	|	4.10
1.583	0.00	3.71	1.831	IO	|	|	|	|	4.05
1.667	0.00	3.17	1.807	IO	|	|	|	|	4.01
1.750	0.00	3.00	1.786	IO	|	|	|	|	3.97
1.833	0.00	2.98	1.765	IO	|	|	|	|	3.94
1.917	0.00	2.96	1.745	IO	|	|	|	|	3.90
2.000	0.00	2.94	1.724	IO	|	|	|	|	3.86
2.083	0.00	2.93	1.704	IO	|	|	|	|	3.82
2.167	0.00	2.91	1.684	IO	|	|	|	|	3.79
2.250	0.00	2.89	1.664	IO	|	|	|	|	3.75
2.333	0.00	2.87	1.644	IO	|	|	|	|	3.71
2.417	0.00	2.86	1.625	IO	|	|	|	|	3.68
2.500	0.00	2.84	1.605	IO	|	|	|	|	3.64
2.583	0.00	2.82	1.585	IO	|	|	|	|	3.60
2.667	0.00	2.81	1.566	IO	|	|	|	|	3.57
2.750	0.00	2.79	1.547	IO	|	|	|	|	3.53
2.833	0.00	2.77	1.528	IO	|	|	|	|	3.50
2.917	0.00	2.76	1.509	IO	|	|	|	|	3.46
3.000	0.00	2.74	1.490	IO	|	|	|	|	3.43
3.083	0.00	2.72	1.471	IO	|	|	|	|	3.39
3.167	0.00	2.71	1.452	IO	|	|	|	|	3.36
3.250	0.00	2.69	1.434	IO	|	|	|	|	3.32
3.333	0.00	2.67	1.415	IO	|	|	|	|	3.29
3.417	0.00	2.66	1.397	IO	|	|	|	|	3.25
3.500	0.00	2.64	1.378	IO	|	|	|	|	3.22
3.583	0.00	2.63	1.360	IO	|	|	|	|	3.19
3.667	0.00	2.61	1.342	IO	|	|	|	|	3.15
3.750	0.00	2.60	1.324	IO	|	|	|	|	3.12
3.833	0.00	2.58	1.307	O	|	|	|	|	3.09
3.917	0.00	2.57	1.289	O	|	|	|	|	3.05
4.000	0.00	2.55	1.271	O	|	|	|	|	3.02
4.083	0.00	2.53	1.254	O	|	|	|	|	2.99
4.167	0.00	2.51	1.236	O	|	|	|	|	2.95
4.250	0.00	2.49	1.219	O	|	|	|	|	2.92
4.333	0.00	2.47	1.202	O	|	|	|	|	2.88
4.417	0.00	2.45	1.185	O	|	|	|	|	2.85
4.500	0.00	2.43	1.168	O	|	|	|	|	2.81
4.583	0.00	2.41	1.152	O	|	|	|	|	2.78
4.667	0.00	2.39	1.135	O	|	|	|	|	2.74
4.750	0.00	2.37	1.119	O	|	|	|	|	2.71
4.833	0.00	2.35	1.102	O	|	|	|	|	2.68
4.917	0.00	2.33	1.086	O	|	|	|	|	2.65
5.000	0.00	2.32	1.070	O	|	|	|	|	2.61
5.083	0.00	2.30	1.054	O	|	|	|	|	2.58
5.167	0.00	2.28	1.039	O	|	|	|	|	2.55
5.250	0.00	2.26	1.023	O	|	|	|	|	2.52
5.333	0.00	2.24	1.007	O	|	|	|	|	2.48
5.417	0.00	2.22	0.992	O	|	|	|	|	2.45
5.500	0.00	2.20	0.977	O	|	|	|	|	2.42
5.583	0.00	2.19	0.962	O	|	|	|	|	2.39
5.667	0.00	2.17	0.947	O	|	|	|	|	2.36
5.750	0.00	2.15	0.932	O	|	|	|	|	2.33

5.833	0.00	2.13	0.917	O	|	|	|	2.30
5.917	0.00	2.12	0.902	O	|	|	|	2.27
6.000	0.00	2.10	0.888	O	|	|	|	2.24
6.083	0.00	2.08	0.873	O	|	|	|	2.21
6.167	0.00	2.07	0.859	O	|	|	|	2.18
6.250	0.00	2.05	0.845	O	|	|	|	2.15
6.333	0.00	2.03	0.831	O	|	|	|	2.12
6.417	0.00	2.02	0.817	O	|	|	|	2.10
6.500	0.00	2.00	0.803	O	|	|	|	2.07
6.583	0.00	1.98	0.789	O	|	|	|	2.04
6.667	0.00	1.97	0.776	O	|	|	|	2.01
6.750	0.00	1.94	0.762	O	|	|	|	1.98
6.833	0.00	1.91	0.749	O	|	|	|	1.95
6.917	0.00	1.88	0.736	O	|	|	|	1.92
7.000	0.00	1.85	0.723	O	|	|	|	1.89
7.083	0.00	1.82	0.711	O	|	|	|	1.86
7.167	0.00	1.79	0.698	O	|	|	|	1.83
7.250	0.00	1.76	0.686	O	|	|	|	1.80
7.333	0.00	1.74	0.674	O	|	|	|	1.77
7.417	0.00	1.71	0.662	O	|	|	|	1.74
7.500	0.00	1.68	0.650	O	|	|	|	1.72
7.583	0.00	1.65	0.639	O	|	|	|	1.69
7.667	0.00	1.63	0.628	O	|	|	|	1.66
7.750	0.00	1.60	0.616	O	|	|	|	1.63
7.833	0.00	1.58	0.605	O	|	|	|	1.61
7.917	0.00	1.55	0.595	O	|	|	|	1.58
8.000	0.00	1.53	0.584	O	|	|	|	1.56
8.083	0.00	1.50	0.574	O	|	|	|	1.53
8.167	0.00	1.48	0.563	O	|	|	|	1.51
8.250	0.00	1.45	0.553	O	|	|	|	1.48
8.333	0.00	1.43	0.543	O	|	|	|	1.46
8.417	0.00	1.41	0.534	O	|	|	|	1.44
8.500	0.00	1.39	0.524	O	|	|	|	1.41
8.583	0.00	1.36	0.515	O	|	|	|	1.39
8.667	0.00	1.34	0.505	O	|	|	|	1.37
8.750	0.00	1.32	0.496	O	|	|	|	1.35
8.833	0.00	1.30	0.487	O	|	|	|	1.33
8.917	0.00	1.28	0.478	O	|	|	|	1.31
9.000	0.00	1.26	0.469	O	|	|	|	1.28
9.083	0.00	1.24	0.461	O	|	|	|	1.26
9.167	0.00	1.22	0.452	O	|	|	|	1.24
9.250	0.00	1.20	0.444	O	|	|	|	1.22
9.333	0.00	1.18	0.436	O	|	|	|	1.20
9.417	0.00	1.16	0.428	O	|	|	|	1.19
9.500	0.00	1.14	0.420	O	|	|	|	1.17
9.583	0.00	1.12	0.412	O	|	|	|	1.15
9.667	0.00	1.11	0.404	O	|	|	|	1.13
9.750	0.00	1.09	0.397	O	|	|	|	1.11
9.833	0.00	1.07	0.389	O	|	|	|	1.09
9.917	0.00	1.05	0.382	O	|	|	|	1.08
10.000	0.00	1.04	0.375	O	|	|	|	1.06
10.083	0.00	1.02	0.368	O	|	|	|	1.04
10.167	0.00	1.01	0.361	O	|	|	|	1.03
10.250	0.00	0.99	0.354	O	|	|	|	1.01
10.333	0.00	0.97	0.347	O	|	|	|	0.99
10.417	0.00	0.95	0.340	O	|	|	|	0.97
10.500	0.00	0.94	0.334	O	|	|	|	0.95
10.583	0.00	0.92	0.328	O	|	|	|	0.94
10.667	0.00	0.90	0.321	O	|	|	|	0.92
10.750	0.00	0.88	0.315	O	|	|	|	0.90
10.833	0.00	0.87	0.309	O	|	|	|	0.88
10.917	0.00	0.85	0.303	O	|	|	|	0.87
11.000	0.00	0.83	0.297	O	|	|	|	0.85
11.083	0.00	0.82	0.292	O	|	|	|	0.83
11.167	0.00	0.80	0.286	O	|	|	|	0.82
11.250	0.00	0.79	0.281	O	|	|	|	0.80
11.333	0.00	0.77	0.275	O	|	|	|	0.79

11.417	0.00	0.76	0.270	O	|	|	|	|	0.77
11.500	0.00	0.74	0.265	O	|	|	|	|	0.76
11.583	0.00	0.73	0.260	O	|	|	|	|	0.74
11.667	0.00	0.71	0.255	O	|	|	|	|	0.73
11.750	0.00	0.70	0.250	O	|	|	|	|	0.71
11.833	0.00	0.69	0.245	O	|	|	|	|	0.70
11.917	0.00	0.67	0.241	O	|	|	|	|	0.69
12.000	0.00	0.66	0.236	O	|	|	|	|	0.67
12.083	0.00	0.65	0.232	O	|	|	|	|	0.66
12.167	0.00	0.64	0.227	O	|	|	|	|	0.65
12.250	0.00	0.62	0.223	O	|	|	|	|	0.64
12.333	0.00	0.61	0.219	O	|	|	|	|	0.62
12.417	0.00	0.60	0.214	O	|	|	|	|	0.61
12.500	0.00	0.59	0.210	O	|	|	|	|	0.60
12.583	0.00	0.58	0.206	O	|	|	|	|	0.59
12.667	0.00	0.57	0.202	O	|	|	|	|	0.58
12.750	0.00	0.56	0.198	O	|	|	|	|	0.57
12.833	0.00	0.54	0.195	O	|	|	|	|	0.56
12.917	0.00	0.53	0.191	O	|	|	|	|	0.55
13.000	0.00	0.52	0.187	O	|	|	|	|	0.54
13.083	0.00	0.51	0.184	O	|	|	|	|	0.52
13.167	0.00	0.50	0.180	O	|	|	|	|	0.51
13.250	0.00	0.49	0.177	O	|	|	|	|	0.50
13.333	0.00	0.49	0.173	O	|	|	|	|	0.50
13.417	0.00	0.48	0.170	O	|	|	|	|	0.49
13.500	0.00	0.47	0.167	O	|	|	|	|	0.48
13.583	0.00	0.46	0.164	O	|	|	|	|	0.47
13.667	0.00	0.45	0.160	O	|	|	|	|	0.46
13.750	0.00	0.44	0.157	O	|	|	|	|	0.45
13.833	0.00	0.43	0.154	O	|	|	|	|	0.44
13.917	0.00	0.42	0.151	O	|	|	|	|	0.43
14.000	0.00	0.42	0.149	O	|	|	|	|	0.42
14.083	0.00	0.41	0.146	O	|	|	|	|	0.42
14.167	0.00	0.40	0.143	O	|	|	|	|	0.41
14.250	0.00	0.39	0.140	O	|	|	|	|	0.40
14.333	0.00	0.39	0.138	O	|	|	|	|	0.39
14.417	0.00	0.38	0.135	O	|	|	|	|	0.39
14.500	0.00	0.37	0.132	O	|	|	|	|	0.38
14.583	0.00	0.36	0.130	O	|	|	|	|	0.37
14.667	0.00	0.36	0.127	O	|	|	|	|	0.36
14.750	0.00	0.35	0.125	O	|	|	|	|	0.36
14.833	0.00	0.34	0.123	O	|	|	|	|	0.35
14.917	0.00	0.34	0.120	O	|	|	|	|	0.34
15.000	0.00	0.33	0.118	O	|	|	|	|	0.34
15.083	0.00	0.32	0.116	O	|	|	|	|	0.33
15.167	0.00	0.32	0.113	O	|	|	|	|	0.32
15.250	0.00	0.31	0.111	O	|	|	|	|	0.32
15.333	0.00	0.31	0.109	O	|	|	|	|	0.31
15.417	0.00	0.30	0.107	O	|	|	|	|	0.31
15.500	0.00	0.29	0.105	O	|	|	|	|	0.30
15.583	0.00	0.29	0.103	O	|	|	|	|	0.29
15.667	0.00	0.28	0.101	O	|	|	|	|	0.29
15.750	0.00	0.28	0.099	O	|	|	|	|	0.28
15.833	0.00	0.27	0.097	O	|	|	|	|	0.28
15.917	0.00	0.27	0.095	O	|	|	|	|	0.27
16.000	0.00	0.26	0.094	O	|	|	|	|	0.27
16.083	0.00	0.26	0.092	O	|	|	|	|	0.26
16.167	0.00	0.25	0.090	O	|	|	|	|	0.26
16.250	0.00	0.25	0.088	O	|	|	|	|	0.25
16.333	0.00	0.24	0.087	O	|	|	|	|	0.25
16.417	0.00	0.24	0.085	O	|	|	|	|	0.24
16.500	0.00	0.23	0.083	O	|	|	|	|	0.24
16.583	0.00	0.23	0.082	O	|	|	|	|	0.23
16.667	0.00	0.22	0.080	O	|	|	|	|	0.23
16.750	0.00	0.22	0.079	O	|	|	|	|	0.22
16.833	0.00	0.22	0.077	O	|	|	|	|	0.22
16.917	0.00	0.21	0.076	O	|	|	|	|	0.22

17.000	0.00	0.21	0.074	O	|	|	|	|	0.21
17.083	0.00	0.20	0.073	O	|	|	|	|	0.21
17.167	0.00	0.20	0.071	O	|	|	|	|	0.20
17.250	0.00	0.20	0.070	O	|	|	|	|	0.20
17.333	0.00	0.19	0.069	O	|	|	|	|	0.20
17.417	0.00	0.19	0.067	O	|	|	|	|	0.19
17.500	0.00	0.19	0.066	O	|	|	|	|	0.19
17.583	0.00	0.18	0.065	O	|	|	|	|	0.19
17.667	0.00	0.18	0.064	O	|	|	|	|	0.18
17.750	0.00	0.17	0.062	O	|	|	|	|	0.18
17.833	0.00	0.17	0.061	O	|	|	|	|	0.17
17.917	0.00	0.17	0.060	O	|	|	|	|	0.17
18.000	0.00	0.16	0.059	O	|	|	|	|	0.17
18.083	0.00	0.16	0.058	O	|	|	|	|	0.17
18.167	0.00	0.16	0.057	O	|	|	|	|	0.16
18.250	0.00	0.16	0.056	O	|	|	|	|	0.16
18.333	0.00	0.15	0.055	O	|	|	|	|	0.16
18.417	0.00	0.15	0.053	O	|	|	|	|	0.15
18.500	0.00	0.15	0.052	O	|	|	|	|	0.15
18.583	0.00	0.14	0.051	O	|	|	|	|	0.15
18.667	0.00	0.14	0.050	O	|	|	|	|	0.14
18.750	0.00	0.14	0.049	O	|	|	|	|	0.14
18.833	0.00	0.14	0.049	O	|	|	|	|	0.14
18.917	0.00	0.13	0.048	O	|	|	|	|	0.14
19.000	0.00	0.13	0.047	O	|	|	|	|	0.13
19.083	0.00	0.13	0.046	O	|	|	|	|	0.13
19.167	0.00	0.13	0.045	O	|	|	|	|	0.13
19.250	0.00	0.12	0.044	O	|	|	|	|	0.13
19.333	0.00	0.12	0.043	O	|	|	|	|	0.12
19.417	0.00	0.12	0.042	O	|	|	|	|	0.12
19.500	0.00	0.12	0.042	O	|	|	|	|	0.12
19.583	0.00	0.11	0.041	O	|	|	|	|	0.12
19.667	0.00	0.11	0.040	O	|	|	|	|	0.11
19.750	0.00	0.11	0.039	O	|	|	|	|	0.11
19.833	0.00	0.11	0.039	O	|	|	|	|	0.11
19.917	0.00	0.11	0.038	O	|	|	|	|	0.11
20.000	0.00	0.10	0.037	O	|	|	|	|	0.11
20.083	0.00	0.10	0.036	O	|	|	|	|	0.10
20.167	0.00	0.10	0.036	O	|	|	|	|	0.10
20.250	0.00	0.10	0.035	O	|	|	|	|	0.10
20.333	0.00	0.10	0.034	O	|	|	|	|	0.10
20.417	0.00	0.09	0.034	O	|	|	|	|	0.10
20.500	0.00	0.09	0.033	O	|	|	|	|	0.09
20.583	0.00	0.09	0.032	O	|	|	|	|	0.09
20.667	0.00	0.09	0.032	O	|	|	|	|	0.09
20.750	0.00	0.09	0.031	O	|	|	|	|	0.09
20.833	0.00	0.09	0.031	O	|	|	|	|	0.09
20.917	0.00	0.08	0.030	O	|	|	|	|	0.09
21.000	0.00	0.08	0.029	O	|	|	|	|	0.08
21.083	0.00	0.08	0.029	O	|	|	|	|	0.08
21.167	0.00	0.08	0.028	O	|	|	|	|	0.08
21.250	0.00	0.08	0.028	O	|	|	|	|	0.08
21.333	0.00	0.08	0.027	O	|	|	|	|	0.08
21.417	0.00	0.07	0.027	O	|	|	|	|	0.08
21.500	0.00	0.07	0.026	O	|	|	|	|	0.07
21.583	0.00	0.07	0.026	O	|	|	|	|	0.07
21.667	0.00	0.07	0.025	O	|	|	|	|	0.07
21.750	0.00	0.07	0.025	O	|	|	|	|	0.07
21.833	0.00	0.07	0.024	O	|	|	|	|	0.07
21.917	0.00	0.07	0.024	O	|	|	|	|	0.07
22.000	0.00	0.07	0.023	O	|	|	|	|	0.07
22.083	0.00	0.06	0.023	O	|	|	|	|	0.07
22.167	0.00	0.06	0.022	O	|	|	|	|	0.06
22.250	0.00	0.06	0.022	O	|	|	|	|	0.06
22.333	0.00	0.06	0.022	O	|	|	|	|	0.06
22.417	0.00	0.06	0.021	O	|	|	|	|	0.06
22.500	0.00	0.06	0.021	O	|	|	|	|	0.06

22.583	0.00	0.06	0.020	O	|	|	|	0.06
22.667	0.00	0.06	0.020	O	|	|	|	0.06
22.750	0.00	0.05	0.020	O	|	|	|	0.06
22.833	0.00	0.05	0.019	O	|	|	|	0.05
22.917	0.00	0.05	0.019	O	|	|	|	0.05
23.000	0.00	0.05	0.019	O	|	|	|	0.05
23.083	0.00	0.05	0.018	O	|	|	|	0.05
23.167	0.00	0.05	0.018	O	|	|	|	0.05
23.250	0.00	0.05	0.017	O	|	|	|	0.05
23.333	0.00	0.05	0.017	O	|	|	|	0.05
23.417	0.00	0.05	0.017	O	|	|	|	0.05
23.500	0.00	0.05	0.016	O	|	|	|	0.05
23.583	0.00	0.05	0.016	O	|	|	|	0.05
23.667	0.00	0.04	0.016	O	|	|	|	0.05
23.750	0.00	0.04	0.016	O	|	|	|	0.04
23.833	0.00	0.04	0.015	O	|	|	|	0.04
23.917	0.00	0.04	0.015	O	|	|	|	0.04
24.000	0.00	0.04	0.015	O	|	|	|	0.04
24.083	0.00	0.04	0.014	O	|	|	|	0.04
24.167	0.00	0.04	0.014	O	|	|	|	0.04
24.250	0.00	0.04	0.014	O	|	|	|	0.04
24.333	0.00	0.04	0.014	O	|	|	|	0.04
24.417	0.00	0.04	0.013	O	|	|	|	0.04
24.500	0.00	0.04	0.013	O	|	|	|	0.04
24.583	0.00	0.04	0.013	O	|	|	|	0.04
24.667	0.00	0.04	0.013	O	|	|	|	0.04
24.750	0.00	0.03	0.012	O	|	|	|	0.04
24.833	0.00	0.03	0.012	O	|	|	|	0.03
24.917	0.00	0.03	0.012	O	|	|	|	0.03
25.000	0.00	0.03	0.012	O	|	|	|	0.03
25.083	0.00	0.03	0.011	O	|	|	|	0.03
25.167	0.00	0.03	0.011	O	|	|	|	0.03
25.250	0.00	0.03	0.011	O	|	|	|	0.03
25.333	0.00	0.03	0.011	O	|	|	|	0.03
25.417	0.00	0.03	0.011	O	|	|	|	0.03
25.500	0.00	0.03	0.010	O	|	|	|	0.03
25.583	0.00	0.03	0.010	O	|	|	|	0.03
25.667	0.00	0.03	0.010	O	|	|	|	0.03
25.750	0.00	0.03	0.010	O	|	|	|	0.03
25.833	0.00	0.03	0.010	O	|	|	|	0.03
25.917	0.00	0.03	0.009	O	|	|	|	0.03
26.000	0.00	0.03	0.009	O	|	|	|	0.03
26.083	0.00	0.03	0.009	O	|	|	|	0.03
26.167	0.00	0.02	0.009	O	|	|	|	0.03
26.250	0.00	0.02	0.009	O	|	|	|	0.02
26.333	0.00	0.02	0.009	O	|	|	|	0.02
26.417	0.00	0.02	0.008	O	|	|	|	0.02
26.500	0.00	0.02	0.008	O	|	|	|	0.02
26.583	0.00	0.02	0.008	O	|	|	|	0.02
26.667	0.00	0.02	0.008	O	|	|	|	0.02
26.750	0.00	0.02	0.008	O	|	|	|	0.02
26.833	0.00	0.02	0.008	O	|	|	|	0.02
26.917	0.00	0.02	0.007	O	|	|	|	0.02
27.000	0.00	0.02	0.007	O	|	|	|	0.02
27.083	0.00	0.02	0.007	O	|	|	|	0.02
27.167	0.00	0.02	0.007	O	|	|	|	0.02
27.250	0.00	0.02	0.007	O	|	|	|	0.02
27.333	0.00	0.02	0.007	O	|	|	|	0.02
27.417	0.00	0.02	0.007	O	|	|	|	0.02
27.500	0.00	0.02	0.007	O	|	|	|	0.02
27.583	0.00	0.02	0.006	O	|	|	|	0.02
27.667	0.00	0.02	0.006	O	|	|	|	0.02
27.750	0.00	0.02	0.006	O	|	|	|	0.02
27.833	0.00	0.02	0.006	O	|	|	|	0.02
27.917	0.00	0.02	0.006	O	|	|	|	0.02
28.000	0.00	0.02	0.006	O	|	|	|	0.02
28.083	0.00	0.02	0.006	O	|	|	|	0.02

28.167	0.00	0.02	0.006	O	|	|	|	|	0.02
28.250	0.00	0.02	0.005	O	|	|	|	|	0.02
28.333	0.00	0.02	0.005	O	|	|	|	|	0.02
28.417	0.00	0.01	0.005	O	|	|	|	|	0.02
28.500	0.00	0.01	0.005	O	|	|	|	|	0.01
28.583	0.00	0.01	0.005	O	|	|	|	|	0.01
28.667	0.00	0.01	0.005	O	|	|	|	|	0.01
28.750	0.00	0.01	0.005	O	|	|	|	|	0.01
28.833	0.00	0.01	0.005	O	|	|	|	|	0.01
28.917	0.00	0.01	0.005	O	|	|	|	|	0.01
29.000	0.00	0.01	0.005	O	|	|	|	|	0.01
29.083	0.00	0.01	0.005	O	|	|	|	|	0.01
29.167	0.00	0.01	0.004	O	|	|	|	|	0.01
29.250	0.00	0.01	0.004	O	|	|	|	|	0.01
29.333	0.00	0.01	0.004	O	|	|	|	|	0.01
29.417	0.00	0.01	0.004	O	|	|	|	|	0.01
29.500	0.00	0.01	0.004	O	|	|	|	|	0.01
29.583	0.00	0.01	0.004	O	|	|	|	|	0.01
29.667	0.00	0.01	0.004	O	|	|	|	|	0.01
29.750	0.00	0.01	0.004	O	|	|	|	|	0.01
29.833	0.00	0.01	0.004	O	|	|	|	|	0.01
29.917	0.00	0.01	0.004	O	|	|	|	|	0.01
30.000	0.00	0.01	0.004	O	|	|	|	|	0.01
30.083	0.00	0.01	0.004	O	|	|	|	|	0.01
30.167	0.00	0.01	0.004	O	|	|	|	|	0.01
30.250	0.00	0.01	0.003	O	|	|	|	|	0.01
30.333	0.00	0.01	0.003	O	|	|	|	|	0.01
30.417	0.00	0.01	0.003	O	|	|	|	|	0.01
30.500	0.00	0.01	0.003	O	|	|	|	|	0.01
30.583	0.00	0.01	0.003	O	|	|	|	|	0.01
30.667	0.00	0.01	0.003	O	|	|	|	|	0.01
30.750	0.00	0.01	0.003	O	|	|	|	|	0.01
30.833	0.00	0.01	0.003	O	|	|	|	|	0.01
30.917	0.00	0.01	0.003	O	|	|	|	|	0.01
31.000	0.00	0.01	0.003	O	|	|	|	|	0.01
31.083	0.00	0.01	0.003	O	|	|	|	|	0.01
31.167	0.00	0.01	0.003	O	|	|	|	|	0.01
31.250	0.00	0.01	0.003	O	|	|	|	|	0.01
31.333	0.00	0.01	0.003	O	|	|	|	|	0.01
31.417	0.00	0.01	0.003	O	|	|	|	|	0.01
31.500	0.00	0.01	0.003	O	|	|	|	|	0.01
31.583	0.00	0.01	0.003	O	|	|	|	|	0.01
31.667	0.00	0.01	0.002	O	|	|	|	|	0.01
31.750	0.00	0.01	0.002	O	|	|	|	|	0.01
31.833	0.00	0.01	0.002	O	|	|	|	|	0.01
31.917	0.00	0.01	0.002	O	|	|	|	|	0.01
32.000	0.00	0.01	0.002	O	|	|	|	|	0.01
32.083	0.00	0.01	0.002	O	|	|	|	|	0.01
32.167	0.00	0.01	0.002	O	|	|	|	|	0.01
32.250	0.00	0.01	0.002	O	|	|	|	|	0.01
32.333	0.00	0.01	0.002	O	|	|	|	|	0.01
32.417	0.00	0.01	0.002	O	|	|	|	|	0.01
32.500	0.00	0.01	0.002	O	|	|	|	|	0.01
32.583	0.00	0.01	0.002	O	|	|	|	|	0.01
32.667	0.00	0.01	0.002	O	|	|	|	|	0.01
32.750	0.00	0.01	0.002	O	|	|	|	|	0.01
32.833	0.00	0.01	0.002	O	|	|	|	|	0.01
32.917	0.00	0.01	0.002	O	|	|	|	|	0.01
33.000	0.00	0.01	0.002	O	|	|	|	|	0.01
33.083	0.00	0.01	0.002	O	|	|	|	|	0.01
33.167	0.00	0.00	0.002	O	|	|	|	|	0.01
33.250	0.00	0.00	0.002	O	|	|	|	|	0.00
33.333	0.00	0.00	0.002	O	|	|	|	|	0.00
33.417	0.00	0.00	0.002	O	|	|	|	|	0.00
33.500	0.00	0.00	0.002	O	|	|	|	|	0.00
33.583	0.00	0.00	0.002	O	|	|	|	|	0.00
33.667	0.00	0.00	0.002	O	|	|	|	|	0.00

33.750	0.00	0.00	0.002	O	|	|	|	|	0.00
33.833	0.00	0.00	0.002	O	|	|	|	|	0.00
33.917	0.00	0.00	0.001	O	|	|	|	|	0.00
34.000	0.00	0.00	0.001	O	|	|	|	|	0.00
34.083	0.00	0.00	0.001	O	|	|	|	|	0.00
34.167	0.00	0.00	0.001	O	|	|	|	|	0.00
34.250	0.00	0.00	0.001	O	|	|	|	|	0.00
34.333	0.00	0.00	0.001	O	|	|	|	|	0.00
34.417	0.00	0.00	0.001	O	|	|	|	|	0.00
34.500	0.00	0.00	0.001	O	|	|	|	|	0.00
34.583	0.00	0.00	0.001	O	|	|	|	|	0.00
34.667	0.00	0.00	0.001	O	|	|	|	|	0.00
34.750	0.00	0.00	0.001	O	|	|	|	|	0.00
34.833	0.00	0.00	0.001	O	|	|	|	|	0.00
34.917	0.00	0.00	0.001	O	|	|	|	|	0.00
35.000	0.00	0.00	0.001	O	|	|	|	|	0.00
35.083	0.00	0.00	0.001	O	|	|	|	|	0.00
35.167	0.00	0.00	0.001	O	|	|	|	|	0.00
35.250	0.00	0.00	0.001	O	|	|	|	|	0.00
35.333	0.00	0.00	0.001	O	|	|	|	|	0.00
35.417	0.00	0.00	0.001	O	|	|	|	|	0.00
35.500	0.00	0.00	0.001	O	|	|	|	|	0.00
35.583	0.00	0.00	0.001	O	|	|	|	|	0.00
35.667	0.00	0.00	0.001	O	|	|	|	|	0.00
35.750	0.00	0.00	0.001	O	|	|	|	|	0.00
35.833	0.00	0.00	0.001	O	|	|	|	|	0.00
35.917	0.00	0.00	0.001	O	|	|	|	|	0.00
36.000	0.00	0.00	0.001	O	|	|	|	|	0.00
36.083	0.00	0.00	0.001	O	|	|	|	|	0.00
36.167	0.00	0.00	0.001	O	|	|	|	|	0.00
36.250	0.00	0.00	0.001	O	|	|	|	|	0.00
36.333	0.00	0.00	0.001	O	|	|	|	|	0.00
36.417	0.00	0.00	0.001	O	|	|	|	|	0.00
36.500	0.00	0.00	0.001	O	|	|	|	|	0.00
36.583	0.00	0.00	0.001	O	|	|	|	|	0.00
36.667	0.00	0.00	0.001	O	|	|	|	|	0.00
36.750	0.00	0.00	0.001	O	|	|	|	|	0.00
36.833	0.00	0.00	0.001	O	|	|	|	|	0.00
36.917	0.00	0.00	0.001	O	|	|	|	|	0.00
37.000	0.00	0.00	0.001	O	|	|	|	|	0.00
37.083	0.00	0.00	0.001	O	|	|	|	|	0.00
37.167	0.00	0.00	0.001	O	|	|	|	|	0.00
37.250	0.00	0.00	0.001	O	|	|	|	|	0.00
37.333	0.00	0.00	0.001	O	|	|	|	|	0.00
37.417	0.00	0.00	0.001	O	|	|	|	|	0.00
37.500	0.00	0.00	0.001	O	|	|	|	|	0.00
37.583	0.00	0.00	0.001	O	|	|	|	|	0.00
37.667	0.00	0.00	0.001	O	|	|	|	|	0.00
37.750	0.00	0.00	0.001	O	|	|	|	|	0.00
37.833	0.00	0.00	0.001	O	|	|	|	|	0.00
37.917	0.00	0.00	0.001	O	|	|	|	|	0.00
38.000	0.00	0.00	0.001	O	|	|	|	|	0.00
38.083	0.00	0.00	0.001	O	|	|	|	|	0.00
38.167	0.00	0.00	0.001	O	|	|	|	|	0.00
38.250	0.00	0.00	0.001	O	|	|	|	|	0.00
38.333	0.00	0.00	0.001	O	|	|	|	|	0.00
38.417	0.00	0.00	0.001	O	|	|	|	|	0.00
38.500	0.00	0.00	0.001	O	|	|	|	|	0.00
38.583	0.00	0.00	0.001	O	|	|	|	|	0.00
38.667	0.00	0.00	0.000	O	|	|	|	|	0.00
38.750	0.00	0.00	0.000	O	|	|	|	|	0.00
38.833	0.00	0.00	0.000	O	|	|	|	|	0.00
38.917	0.00	0.00	0.000	O	|	|	|	|	0.00
39.000	0.00	0.00	0.000	O	|	|	|	|	0.00
39.083	0.00	0.00	0.000	O	|	|	|	|	0.00
39.167	0.00	0.00	0.000	O	|	|	|	|	0.00
39.250	0.00	0.00	0.000	O	|	|	|	|	0.00

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39.333    0.00    0.00      0.000  O       |       |       |       |     0.00
39.417    0.00    0.00      0.000  O       |       |       |       |     0.00
39.500    0.00    0.00      0.000  O       |       |       |       |     0.00
39.583    0.00    0.00      0.000  O       |       |       |       |     0.00
39.667    0.00    0.00      0.000  O       |       |       |       |     0.00
39.750    0.00    0.00      0.000  O       |       |       |       |     0.00
39.833    0.00    0.00      0.000  O       |       |       |       |     0.00
39.917    0.00    0.00      0.000  O       |       |       |       |     0.00
40.000    0.00    0.00      0.000  O       |       |       |       |     0.00
40.083    0.00    0.00      0.000  O       |       |       |       |     0.00

     ****************************HYDROGRAPH DATA****************************
                 Number of intervals =   481
                 Time interval =    5.0 (Min.)
                 Maximum/Peak flow rate =        7.517 (CFS)
                 Total volume =       2.202 (Ac.Ft)
           Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
           Peak (CFS)      0.000     0.000     0.000     0.000     0.000
           Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
     ***********************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/13/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRE310.rte

**********HYDROGRAPH DATA**********

Number of intervals = 40
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 47.261 (CFS)
Total volume = 2.783 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN E- ROUTING
10YR-3HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 40
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.350	0.980	0.347	0.353
2.000	0.770	1.960	0.763	0.777
3.000	1.260	2.540	1.251	1.269
4.000	1.800	3.010	1.790	1.810
5.000	2.410	16.920	2.352	2.468
6.000	3.070	123.450	2.645	3.495
7.000	3.800	311.150	2.729	4.871
8.000	4.590	551.930	2.689	6.491

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	11.8	23.63	35.45	47.26	Depth (Ft.)
0.083	1.37	0.01	0.005	O	|	|	|	|	0.01
0.167	3.07	0.06	0.020	O I	|	|	|	|	0.06

0.250	3.25	0.11	0.041	O I	|	|	|	0.12
0.333	3.57	0.18	0.063	O I	|	|	|	0.18
0.417	4.13	0.25	0.088	O I	|	|	|	0.25
0.500	4.54	0.33	0.116	O I	|	|	|	0.33
0.583	4.66	0.41	0.145	O I	|	|	|	0.42
0.667	4.70	0.49	0.175	O I	|	|	|	0.50
0.750	5.04	0.57	0.204	O I	|	|	|	0.58
0.833	4.80	0.66	0.234	O I	|	|	|	0.67
0.917	4.52	0.73	0.261	O I	|	|	|	0.75
1.000	4.80	0.81	0.288	O I	|	|	|	0.82
1.083	5.47	0.89	0.318	O I	|	|	|	0.91
1.167	6.05	0.98	0.351	O I	|	|	|	1.00
1.250	6.20	1.06	0.386	O I	|	|	|	1.09
1.333	6.05	1.15	0.421	O I	|	|	|	1.17
1.417	6.45	1.23	0.456	O I	|	|	|	1.25
1.500	7.29	1.32	0.494	O I	|	|	|	1.34
1.583	7.25	1.41	0.535	O I	|	|	|	1.44
1.667	7.27	1.50	0.575	|O I	|	|	|	1.54
1.750	8.54	1.61	0.619	|O I	|	|	|	1.64
1.833	9.24	1.72	0.668	|O I	|	|	|	1.76
1.917	8.69	1.84	0.718	|O I	|	|	|	1.88
2.000	8.53	1.95	0.764	|O I	|	|	|	1.99
2.083	8.71	2.01	0.810	|O I	|	|	|	2.08
2.167	12.33	2.08	0.868	|O I	|	|	|	2.20
2.250	19.43	2.19	0.963	|O | I	|	|	|	2.39
2.333	18.75	2.33	1.079	|O | I	|	|	|	2.63
2.417	24.75	2.48	1.212	|O | I	|	|	|	2.90
2.500	39.42	2.68	1.415	|O | |	| I	|	|	3.29
2.583	47.26	2.92	1.695	|O | |	| |	| I	|	3.80
2.667	44.73	7.05	1.977	| O | |	| |	| | I	|	4.29
2.750	26.54	11.21	2.160	| O| |	I | |	| |	|	4.59
2.833	11.69	**12.36**	**2.210**	**| IO | | | |**				**4.67**
2.917	7.79	11.98	2.193	| I O | |	| |	| |	|	4.64
3.000	4.67	11.14	2.157	| I O| |	| |	| |	|	4.58
3.083	1.70	9.99	2.106	|I O | |	| |	| |	|	4.50
3.167	0.54	8.69	2.049	I O | |	| |	| |	|	4.41
3.250	0.21	7.48	1.996	I O | |	| |	| |	|	4.32
3.333	0.05	6.41	1.949	I O | |	| |	| |	|	4.24
3.417	0.00	5.48	1.908	I O | |	| |	| |	|	4.18
3.500	0.00	4.68	1.873	I O | |	| |	| |	|	4.12
3.583	0.00	4.00	1.843	I O | |	| |	| |	|	4.07
3.667	0.00	3.42	1.818	I O | |	| |	| |	|	4.03
3.750	0.00	3.01	1.796	I O | |	| |	| |	|	3.99
3.833	0.00	2.99	1.775	I O | |	| |	| |	|	3.95
3.917	0.00	2.97	1.755	I O | |	| |	| |	|	3.92
4.000	0.00	2.95	1.734	IO | |	| |	| |	|	3.88
4.083	0.00	2.94	1.714	IO | |	| |	| |	|	3.84
4.167	0.00	2.92	1.694	IO | |	| |	| |	|	3.80
4.250	0.00	2.90	1.674	IO | |	| |	| |	|	3.77
4.333	0.00	2.88	1.654	IO | |	| |	| |	|	3.73
4.417	0.00	2.87	1.634	IO | |	| |	| |	|	3.69
4.500	0.00	2.85	1.614	IO | |	| |	| |	|	3.66
4.583	0.00	2.83	1.595	IO | |	| |	| |	|	3.62
4.667	0.00	2.81	1.575	IO | |	| |	| |	|	3.58
4.750	0.00	2.80	1.556	IO | |	| |	| |	|	3.55
4.833	0.00	2.78	1.537	IO | |	| |	| |	|	3.51
4.917	0.00	2.76	1.518	IO | |	| |	| |	|	3.48
5.000	0.00	2.75	1.499	IO | |	| |	| |	|	3.44
5.083	0.00	2.73	1.480	IO | |	| |	| |	|	3.41
5.167	0.00	2.72	1.461	IO | |	| |	| |	|	3.37
5.250	0.00	2.70	1.443	IO | |	| |	| |	|	3.34
5.333	0.00	2.68	1.424	IO | |	| |	| |	|	3.30
5.417	0.00	2.67	1.406	IO | |	| |	| |	|	3.27
5.500	0.00	2.65	1.387	IO | |	| |	| |	|	3.24
5.583	0.00	2.63	1.369	IO | |	| |	| |	|	3.20
5.667	0.00	2.62	1.351	IO | |	| |	| |	|	3.17
5.750	0.00	2.60	1.333	IO | |	| |	| |	|	3.14

5.833	0.00	2.59	1.315	IO				3.10
5.917	0.00	2.57	1.297	IO				3.07
6.000	0.00	2.56	1.280	IO				3.04
6.083	0.00	2.54	1.262	IO				3.00
6.167	0.00	2.52	1.245	IO				2.97
6.250	0.00	2.50	1.227	IO				2.93
6.333	0.00	2.48	1.210	IO				2.90
6.417	0.00	2.46	1.193	IO				2.86
6.500	0.00	2.44	1.176	IO				2.83
6.583	0.00	2.42	1.160	IO				2.80
6.667	0.00	2.40	1.143	IO				2.76
6.750	0.00	2.38	1.126	IO				2.73
6.833	0.00	2.36	1.110	IO				2.69
6.917	0.00	2.34	1.094	IO				2.66
7.000	0.00	2.32	1.078	IO				2.63
7.083	0.00	2.31	1.062	IO				2.60
7.167	0.00	2.29	1.046	IO				2.56
7.250	0.00	2.27	1.030	IO				2.53
7.333	0.00	2.25	1.015	IO				2.50
7.417	0.00	2.23	0.999	IO				2.47
7.500	0.00	2.21	0.984	IO				2.44
7.583	0.00	2.20	0.969	IO				2.41
7.667	0.00	2.18	0.954	IO				2.38
7.750	0.00	2.16	0.939	IO				2.34
7.833	0.00	2.14	0.924	IO				2.31
7.917	0.00	2.13	0.909	IO				2.28
8.000	0.00	2.11	0.895	IO				2.25
8.083	0.00	2.09	0.880	IO				2.23
8.167	0.00	2.07	0.866	IO				2.20
8.250	0.00	2.06	0.852	IO				2.17
8.333	0.00	2.04	0.838	IO				2.14
8.417	0.00	2.02	0.824	IO				2.11
8.500	0.00	2.01	0.810	IO				2.08
8.583	0.00	1.99	0.796	IO				2.05
8.667	0.00	1.97	0.782	IO				2.03
8.750	0.00	1.96	0.769	IO				2.00
8.833	0.00	1.93	0.756	IO				1.97
8.917	0.00	1.90	0.742	IO				1.93
9.000	0.00	1.87	0.729	IO				1.90
9.083	0.00	1.84	0.717	IO				1.87
9.167	0.00	1.81	0.704	IO				1.84
9.250	0.00	1.78	0.692	IO				1.81
9.333	0.00	1.75	0.680	IO				1.78
9.417	0.00	1.72	0.668	IO				1.76
9.500	0.00	1.69	0.656	IO				1.73
9.583	0.00	1.67	0.644	IO				1.70
9.667	0.00	1.64	0.633	IO				1.67
9.750	0.00	1.61	0.622	IO				1.65
9.833	0.00	1.59	0.611	IO				1.62
9.917	0.00	1.56	0.600	IO				1.59
10.000	0.00	1.54	0.589	IO				1.57
10.083	0.00	1.51	0.579	IO				1.54
10.167	0.00	1.49	0.568	IO				1.52
10.250	0.00	1.47	0.558	O				1.50
10.333	0.00	1.44	0.548	O				1.47
10.417	0.00	1.42	0.538	O				1.45
10.500	0.00	1.40	0.529	O				1.43
10.583	0.00	1.37	0.519	O				1.40
10.667	0.00	1.35	0.510	O				1.38
10.750	0.00	1.33	0.500	O				1.36
10.833	0.00	1.31	0.491	O				1.34
10.917	0.00	1.29	0.482	O				1.32
11.000	0.00	1.27	0.474	O				1.29
11.083	0.00	1.25	0.465	O				1.27
11.167	0.00	1.23	0.456	O				1.25
11.250	0.00	1.21	0.448	O				1.23
11.333	0.00	1.19	0.440	O				1.21

11.417	0.00	1.17	0.432	O	|	|	|	|	1.19
11.500	0.00	1.15	0.424	O	|	|	|	|	1.18
11.583	0.00	1.13	0.416	O	|	|	|	|	1.16
11.667	0.00	1.12	0.408	O	|	|	|	|	1.14
11.750	0.00	1.10	0.400	O	|	|	|	|	1.12
11.833	0.00	1.08	0.393	O	|	|	|	|	1.10
11.917	0.00	1.06	0.386	O	|	|	|	|	1.08
12.000	0.00	1.05	0.378	O	|	|	|	|	1.07
12.083	0.00	1.03	0.371	O	|	|	|	|	1.05
12.167	0.00	1.01	0.364	O	|	|	|	|	1.03
12.250	0.00	1.00	0.357	O	|	|	|	|	1.02
12.333	0.00	0.98	0.350	O	|	|	|	|	1.00
12.417	0.00	0.96	0.344	O	|	|	|	|	0.98
12.500	0.00	0.94	0.337	O	|	|	|	|	0.96
12.583	0.00	0.93	0.331	O	|	|	|	|	0.94
12.667	0.00	0.91	0.324	O	|	|	|	|	0.93
12.750	0.00	0.89	0.318	O	|	|	|	|	0.91
12.833	0.00	0.87	0.312	O	|	|	|	|	0.89
12.917	0.00	0.86	0.306	O	|	|	|	|	0.87
13.000	0.00	0.84	0.300	O	|	|	|	|	0.86
13.083	0.00	0.82	0.295	O	|	|	|	|	0.84
13.167	0.00	0.81	0.289	O	|	|	|	|	0.83
13.250	0.00	0.79	0.283	O	|	|	|	|	0.81
13.333	0.00	0.78	0.278	O	|	|	|	|	0.79
13.417	0.00	0.76	0.273	O	|	|	|	|	0.78
13.500	0.00	0.75	0.267	O	|	|	|	|	0.76
13.583	0.00	0.73	0.262	O	|	|	|	|	0.75
13.667	0.00	0.72	0.257	O	|	|	|	|	0.74
13.750	0.00	0.71	0.252	O	|	|	|	|	0.72
13.833	0.00	0.69	0.248	O	|	|	|	|	0.71
13.917	0.00	0.68	0.243	O	|	|	|	|	0.69
14.000	0.00	0.67	0.238	O	|	|	|	|	0.68
14.083	0.00	0.65	0.234	O	|	|	|	|	0.67
14.167	0.00	0.64	0.229	O	|	|	|	|	0.65
14.250	0.00	0.63	0.225	O	|	|	|	|	0.64
14.333	0.00	0.62	0.221	O	|	|	|	|	0.63
14.417	0.00	0.61	0.216	O	|	|	|	|	0.62
14.500	0.00	0.59	0.212	O	|	|	|	|	0.61
14.583	0.00	0.58	0.208	O	|	|	|	|	0.59
14.667	0.00	0.57	0.204	O	|	|	|	|	0.58
14.750	0.00	0.56	0.200	O	|	|	|	|	0.57
14.833	0.00	0.55	0.196	O	|	|	|	|	0.56
14.917	0.00	0.54	0.193	O	|	|	|	|	0.55
15.000	0.00	0.53	0.189	O	|	|	|	|	0.54
15.083	0.00	0.52	0.185	O	|	|	|	|	0.53
15.167	0.00	0.51	0.182	O	|	|	|	|	0.52
15.250	0.00	0.50	0.178	O	|	|	|	|	0.51
15.333	0.00	0.49	0.175	O	|	|	|	|	0.50
15.417	0.00	0.48	0.172	O	|	|	|	|	0.49
15.500	0.00	0.47	0.168	O	|	|	|	|	0.48
15.583	0.00	0.46	0.165	O	|	|	|	|	0.47
15.667	0.00	0.45	0.162	O	|	|	|	|	0.46
15.750	0.00	0.44	0.159	O	|	|	|	|	0.45
15.833	0.00	0.44	0.156	O	|	|	|	|	0.45
15.917	0.00	0.43	0.153	O	|	|	|	|	0.44
16.000	0.00	0.42	0.150	O	|	|	|	|	0.43
16.083	0.00	0.41	0.147	O	|	|	|	|	0.42
16.167	0.00	0.40	0.144	O	|	|	|	|	0.41
16.250	0.00	0.40	0.142	O	|	|	|	|	0.40
16.333	0.00	0.39	0.139	O	|	|	|	|	0.40
16.417	0.00	0.38	0.136	O	|	|	|	|	0.39
16.500	0.00	0.37	0.134	O	|	|	|	|	0.38
16.583	0.00	0.37	0.131	O	|	|	|	|	0.37
16.667	0.00	0.36	0.129	O	|	|	|	|	0.37
16.750	0.00	0.35	0.126	O	|	|	|	|	0.36
16.833	0.00	0.35	0.124	O	|	|	|	|	0.35
16.917	0.00	0.34	0.121	O	|	|	|	|	0.35

17.000	0.00	0.33	0.119	O	|	|	|	0.34
17.083	0.00	0.33	0.117	O	|	|	|	0.33
17.167	0.00	0.32	0.114	O	|	|	|	0.33
17.250	0.00	0.31	0.112	O	|	|	|	0.32
17.333	0.00	0.31	0.110	O	|	|	|	0.31
17.417	0.00	0.30	0.108	O	|	|	|	0.31
17.500	0.00	0.30	0.106	O	|	|	|	0.30
17.583	0.00	0.29	0.104	O	|	|	|	0.30
17.667	0.00	0.29	0.102	O	|	|	|	0.29
17.750	0.00	0.28	0.100	O	|	|	|	0.29
17.833	0.00	0.27	0.098	O	|	|	|	0.28
17.917	0.00	0.27	0.096	O	|	|	|	0.27
18.000	0.00	0.26	0.094	O	|	|	|	0.27
18.083	0.00	0.26	0.093	O	|	|	|	0.26
18.167	0.00	0.25	0.091	O	|	|	|	0.26
18.250	0.00	0.25	0.089	O	|	|	|	0.25
18.333	0.00	0.24	0.087	O	|	|	|	0.25
18.417	0.00	0.24	0.086	O	|	|	|	0.24
18.500	0.00	0.24	0.084	O	|	|	|	0.24
18.583	0.00	0.23	0.082	O	|	|	|	0.24
18.667	0.00	0.23	0.081	O	|	|	|	0.23
18.750	0.00	0.22	0.079	O	|	|	|	0.23
18.833	0.00	0.22	0.078	O	|	|	|	0.22
18.917	0.00	0.21	0.076	O	|	|	|	0.22
19.000	0.00	0.21	0.075	O	|	|	|	0.21
19.083	0.00	0.21	0.073	O	|	|	|	0.21
19.167	0.00	0.20	0.072	O	|	|	|	0.21
19.250	0.00	0.20	0.071	O	|	|	|	0.20
19.333	0.00	0.19	0.069	O	|	|	|	0.20
19.417	0.00	0.19	0.068	O	|	|	|	0.19
19.500	0.00	0.19	0.067	O	|	|	|	0.19
19.583	0.00	0.18	0.065	O	|	|	|	0.19
19.667	0.00	0.18	0.064	O	|	|	|	0.18
19.750	0.00	0.18	0.063	O	|	|	|	0.18
19.833	0.00	0.17	0.062	O	|	|	|	0.18
19.917	0.00	0.17	0.061	O	|	|	|	0.17
20.000	0.00	0.17	0.059	O	|	|	|	0.17
20.083	0.00	0.16	0.058	O	|	|	|	0.17
20.167	0.00	0.16	0.057	O	|	|	|	0.16
20.250	0.00	0.16	0.056	O	|	|	|	0.16
20.333	0.00	0.15	0.055	O	|	|	|	0.16
20.417	0.00	0.15	0.054	O	|	|	|	0.15
20.500	0.00	0.15	0.053	O	|	|	|	0.15
20.583	0.00	0.15	0.052	O	|	|	|	0.15
20.667	0.00	0.14	0.051	O	|	|	|	0.15
20.750	0.00	0.14	0.050	O	|	|	|	0.14
20.833	0.00	0.14	0.049	O	|	|	|	0.14
20.917	0.00	0.13	0.048	O	|	|	|	0.14
21.000	0.00	0.13	0.047	O	|	|	|	0.13
21.083	0.00	0.13	0.046	O	|	|	|	0.13
21.167	0.00	0.13	0.045	O	|	|	|	0.13
21.250	0.00	0.12	0.045	O	|	|	|	0.13
21.333	0.00	0.12	0.044	O	|	|	|	0.12
21.417	0.00	0.12	0.043	O	|	|	|	0.12
21.500	0.00	0.12	0.042	O	|	|	|	0.12
21.583	0.00	0.12	0.041	O	|	|	|	0.12
21.667	0.00	0.11	0.040	O	|	|	|	0.12
21.750	0.00	0.11	0.040	O	|	|	|	0.11
21.833	0.00	0.11	0.039	O	|	|	|	0.11
21.917	0.00	0.11	0.038	O	|	|	|	0.11
22.000	0.00	0.10	0.037	O	|	|	|	0.11
22.083	0.00	0.10	0.037	O	|	|	|	0.10
22.167	0.00	0.10	0.036	O	|	|	|	0.10
22.250	0.00	0.10	0.035	O	|	|	|	0.10
22.333	0.00	0.10	0.035	O	|	|	|	0.10
22.417	0.00	0.10	0.034	O	|	|	|	0.10
22.500	0.00	0.09	0.033	O	|	|	|	0.10

22.583	0.00	0.09	0.033	O					0.09
22.667	0.00	0.09	0.032	O					0.09
22.750	0.00	0.09	0.031	O					0.09
22.833	0.00	0.09	0.031	O					0.09
22.917	0.00	0.08	0.030	O					0.09
23.000	0.00	0.08	0.030	O					0.08
23.083	0.00	0.08	0.029	O					0.08
23.167	0.00	0.08	0.029	O					0.08
23.250	0.00	0.08	0.028	O					0.08
23.333	0.00	0.08	0.027	O					0.08
23.417	0.00	0.08	0.027	O					0.08
23.500	0.00	0.07	0.026	O					0.08
23.583	0.00	0.07	0.026	O					0.07
23.667	0.00	0.07	0.025	O					0.07
23.750	0.00	0.07	0.025	O					0.07
23.833	0.00	0.07	0.024	O					0.07
23.917	0.00	0.07	0.024	O					0.07
24.000	0.00	0.07	0.024	O					0.07
24.083	0.00	0.06	0.023	O					0.07
24.167	0.00	0.06	0.023	O					0.06
24.250	0.00	0.06	0.022	O					0.06
24.333	0.00	0.06	0.022	O					0.06
24.417	0.00	0.06	0.021	O					0.06
24.500	0.00	0.06	0.021	O					0.06
24.583	0.00	0.06	0.021	O					0.06
24.667	0.00	0.06	0.020	O					0.06
24.750	0.00	0.06	0.020	O					0.06
24.833	0.00	0.05	0.019	O					0.06
24.917	0.00	0.05	0.019	O					0.05
25.000	0.00	0.05	0.019	O					0.05
25.083	0.00	0.05	0.018	O					0.05
25.167	0.00	0.05	0.018	O					0.05
25.250	0.00	0.05	0.018	O					0.05
25.333	0.00	0.05	0.017	O					0.05
25.417	0.00	0.05	0.017	O					0.05
25.500	0.00	0.05	0.017	O					0.05
25.583	0.00	0.05	0.016	O					0.05
25.667	0.00	0.04	0.016	O					0.05
25.750	0.00	0.04	0.016	O					0.04
25.833	0.00	0.04	0.015	O					0.04
25.917	0.00	0.04	0.015	O					0.04
26.000	0.00	0.04	0.015	O					0.04
26.083	0.00	0.04	0.015	O					0.04
26.167	0.00	0.04	0.014	O					0.04
26.250	0.00	0.04	0.014	O					0.04
26.333	0.00	0.04	0.014	O					0.04
26.417	0.00	0.04	0.013	O					0.04
26.500	0.00	0.04	0.013	O					0.04
26.583	0.00	0.04	0.013	O					0.04
26.667	0.00	0.04	0.013	O					0.04
26.750	0.00	0.03	0.012	O					0.04
26.833	0.00	0.03	0.012	O					0.03
26.917	0.00	0.03	0.012	O					0.03
27.000	0.00	0.03	0.012	O					0.03
27.083	0.00	0.03	0.012	O					0.03
27.167	0.00	0.03	0.011	O					0.03
27.250	0.00	0.03	0.011	O					0.03
27.333	0.00	0.03	0.011	O					0.03
27.417	0.00	0.03	0.011	O					0.03
27.500	0.00	0.03	0.010	O					0.03
27.583	0.00	0.03	0.010	O					0.03
27.667	0.00	0.03	0.010	O					0.03
27.750	0.00	0.03	0.010	O					0.03
27.833	0.00	0.03	0.010	O					0.03
27.917	0.00	0.03	0.010	O					0.03
28.000	0.00	0.03	0.009	O					0.03
28.083	0.00	0.03	0.009	O					0.03

28.167	0.00	0.03	0.009	O	|	|	|	|	0.03
28.250	0.00	0.02	0.009	O	|	|	|	|	0.03
28.333	0.00	0.02	0.009	O	|	|	|	|	0.02
28.417	0.00	0.02	0.008	O	|	|	|	|	0.02
28.500	0.00	0.02	0.008	O	|	|	|	|	0.02
28.583	0.00	0.02	0.008	O	|	|	|	|	0.02
28.667	0.00	0.02	0.008	O	|	|	|	|	0.02
28.750	0.00	0.02	0.008	O	|	|	|	|	0.02
28.833	0.00	0.02	0.008	O	|	|	|	|	0.02
28.917	0.00	0.02	0.008	O	|	|	|	|	0.02
29.000	0.00	0.02	0.007	O	|	|	|	|	0.02
29.083	0.00	0.02	0.007	O	|	|	|	|	0.02
29.167	0.00	0.02	0.007	O	|	|	|	|	0.02
29.250	0.00	0.02	0.007	O	|	|	|	|	0.02
29.333	0.00	0.02	0.007	O	|	|	|	|	0.02
29.417	0.00	0.02	0.007	O	|	|	|	|	0.02
29.500	0.00	0.02	0.007	O	|	|	|	|	0.02
29.583	0.00	0.02	0.006	O	|	|	|	|	0.02
29.667	0.00	0.02	0.006	O	|	|	|	|	0.02
29.750	0.00	0.02	0.006	O	|	|	|	|	0.02
29.833	0.00	0.02	0.006	O	|	|	|	|	0.02
29.917	0.00	0.02	0.006	O	|	|	|	|	0.02
30.000	0.00	0.02	0.006	O	|	|	|	|	0.02
30.083	0.00	0.02	0.006	O	|	|	|	|	0.02
30.167	0.00	0.02	0.006	O	|	|	|	|	0.02
30.250	0.00	0.02	0.006	O	|	|	|	|	0.02
30.333	0.00	0.02	0.005	O	|	|	|	|	0.02
30.417	0.00	0.01	0.005	O	|	|	|	|	0.02
30.500	0.00	0.01	0.005	O	|	|	|	|	0.01
30.583	0.00	0.01	0.005	O	|	|	|	|	0.01
30.667	0.00	0.01	0.005	O	|	|	|	|	0.01
30.750	0.00	0.01	0.005	O	|	|	|	|	0.01
30.833	0.00	0.01	0.005	O	|	|	|	|	0.01
30.917	0.00	0.01	0.005	O	|	|	|	|	0.01
31.000	0.00	0.01	0.005	O	|	|	|	|	0.01
31.083	0.00	0.01	0.005	O	|	|	|	|	0.01
31.167	0.00	0.01	0.004	O	|	|	|	|	0.01
31.250	0.00	0.01	0.004	O	|	|	|	|	0.01
31.333	0.00	0.01	0.004	O	|	|	|	|	0.01
31.417	0.00	0.01	0.004	O	|	|	|	|	0.01
31.500	0.00	0.01	0.004	O	|	|	|	|	0.01
31.583	0.00	0.01	0.004	O	|	|	|	|	0.01
31.667	0.00	0.01	0.004	O	|	|	|	|	0.01
31.750	0.00	0.01	0.004	O	|	|	|	|	0.01
31.833	0.00	0.01	0.004	O	|	|	|	|	0.01
31.917	0.00	0.01	0.004	O	|	|	|	|	0.01
32.000	0.00	0.01	0.004	O	|	|	|	|	0.01
32.083	0.00	0.01	0.004	O	|	|	|	|	0.01
32.167	0.00	0.01	0.004	O	|	|	|	|	0.01
32.250	0.00	0.01	0.003	O	|	|	|	|	0.01
32.333	0.00	0.01	0.003	O	|	|	|	|	0.01
32.417	0.00	0.01	0.003	O	|	|	|	|	0.01
32.500	0.00	0.01	0.003	O	|	|	|	|	0.01
32.583	0.00	0.01	0.003	O	|	|	|	|	0.01
32.667	0.00	0.01	0.003	O	|	|	|	|	0.01
32.750	0.00	0.01	0.003	O	|	|	|	|	0.01
32.833	0.00	0.01	0.003	O	|	|	|	|	0.01
32.917	0.00	0.01	0.003	O	|	|	|	|	0.01
33.000	0.00	0.01	0.003	O	|	|	|	|	0.01
33.083	0.00	0.01	0.003	O	|	|	|	|	0.01
33.167	0.00	0.01	0.003	O	|	|	|	|	0.01
33.250	0.00	0.01	0.003	O	|	|	|	|	0.01
33.333	0.00	0.01	0.003	O	|	|	|	|	0.01
33.417	0.00	0.01	0.003	O	|	|	|	|	0.01
33.500	0.00	0.01	0.003	O	|	|	|	|	0.01
33.583	0.00	0.01	0.003	O	|	|	|	|	0.01
33.667	0.00	0.01	0.003	O	|	|	|	|	0.01

33.750	0.00	0.01	0.002	O	|	|	|	0.01
33.833	0.00	0.01	0.002	O	|	|	|	0.01
33.917	0.00	0.01	0.002	O	|	|	|	0.01
34.000	0.00	0.01	0.002	O	|	|	|	0.01
34.083	0.00	0.01	0.002	O	|	|	|	0.01
34.167	0.00	0.01	0.002	O	|	|	|	0.01
34.250	0.00	0.01	0.002	O	|	|	|	0.01
34.333	0.00	0.01	0.002	O	|	|	|	0.01
34.417	0.00	0.01	0.002	O	|	|	|	0.01
34.500	0.00	0.01	0.002	O	|	|	|	0.01
34.583	0.00	0.01	0.002	O	|	|	|	0.01
34.667	0.00	0.01	0.002	O	|	|	|	0.01
34.750	0.00	0.01	0.002	O	|	|	|	0.01
34.833	0.00	0.01	0.002	O	|	|	|	0.01
34.917	0.00	0.01	0.002	O	|	|	|	0.01
35.000	0.00	0.01	0.002	O	|	|	|	0.01
35.083	0.00	0.01	0.002	O	|	|	|	0.01
35.167	0.00	0.00	0.002	O	|	|	|	0.01
35.250	0.00	0.00	0.002	O	|	|	|	0.00
35.333	0.00	0.00	0.002	O	|	|	|	0.00
35.417	0.00	0.00	0.002	O	|	|	|	0.00
35.500	0.00	0.00	0.002	O	|	|	|	0.00
35.583	0.00	0.00	0.002	O	|	|	|	0.00
35.667	0.00	0.00	0.002	O	|	|	|	0.00
35.750	0.00	0.00	0.002	O	|	|	|	0.00
35.833	0.00	0.00	0.002	O	|	|	|	0.00
35.917	0.00	0.00	0.001	O	|	|	|	0.00
36.000	0.00	0.00	0.001	O	|	|	|	0.00
36.083	0.00	0.00	0.001	O	|	|	|	0.00
36.167	0.00	0.00	0.001	O	|	|	|	0.00
36.250	0.00	0.00	0.001	O	|	|	|	0.00
36.333	0.00	0.00	0.001	O	|	|	|	0.00
36.417	0.00	0.00	0.001	O	|	|	|	0.00
36.500	0.00	0.00	0.001	O	|	|	|	0.00
36.583	0.00	0.00	0.001	O	|	|	|	0.00
36.667	0.00	0.00	0.001	O	|	|	|	0.00
36.750	0.00	0.00	0.001	O	|	|	|	0.00
36.833	0.00	0.00	0.001	O	|	|	|	0.00
36.917	0.00	0.00	0.001	O	|	|	|	0.00
37.000	0.00	0.00	0.001	O	|	|	|	0.00
37.083	0.00	0.00	0.001	O	|	|	|	0.00
37.167	0.00	0.00	0.001	O	|	|	|	0.00
37.250	0.00	0.00	0.001	O	|	|	|	0.00
37.333	0.00	0.00	0.001	O	|	|	|	0.00
37.417	0.00	0.00	0.001	O	|	|	|	0.00
37.500	0.00	0.00	0.001	O	|	|	|	0.00
37.583	0.00	0.00	0.001	O	|	|	|	0.00
37.667	0.00	0.00	0.001	O	|	|	|	0.00
37.750	0.00	0.00	0.001	O	|	|	|	0.00
37.833	0.00	0.00	0.001	O	|	|	|	0.00
37.917	0.00	0.00	0.001	O	|	|	|	0.00
38.000	0.00	0.00	0.001	O	|	|	|	0.00
38.083	0.00	0.00	0.001	O	|	|	|	0.00
38.167	0.00	0.00	0.001	O	|	|	|	0.00
38.250	0.00	0.00	0.001	O	|	|	|	0.00
38.333	0.00	0.00	0.001	O	|	|	|	0.00
38.417	0.00	0.00	0.001	O	|	|	|	0.00
38.500	0.00	0.00	0.001	O	|	|	|	0.00
38.583	0.00	0.00	0.001	O	|	|	|	0.00
38.667	0.00	0.00	0.001	O	|	|	|	0.00
38.750	0.00	0.00	0.001	O	|	|	|	0.00
38.833	0.00	0.00	0.001	O	|	|	|	0.00
38.917	0.00	0.00	0.001	O	|	|	|	0.00
39.000	0.00	0.00	0.001	O	|	|	|	0.00
39.083	0.00	0.00	0.001	O	|	|	|	0.00
39.167	0.00	0.00	0.001	O	|	|	|	0.00
39.250	0.00	0.00	0.001	O	|	|	|	0.00

39.333	0.00	0.00	0.001	O	|	|	|	|	0.00
39.417	0.00	0.00	0.001	O	|	|	|	|	0.00
39.500	0.00	0.00	0.001	O	|	|	|	|	0.00
39.583	0.00	0.00	0.001	O	|	|	|	|	0.00
39.667	0.00	0.00	0.001	O	|	|	|	|	0.00
39.750	0.00	0.00	0.001	O	|	|	|	|	0.00
39.833	0.00	0.00	0.001	O	|	|	|	|	0.00
39.917	0.00	0.00	0.001	O	|	|	|	|	0.00
40.000	0.00	0.00	0.001	O	|	|	|	|	0.00
40.083	0.00	0.00	0.001	O	|	|	|	|	0.00
40.167	0.00	0.00	0.001	O	|	|	|	|	0.00
40.250	0.00	0.00	0.001	O	|	|	|	|	0.00
40.333	0.00	0.00	0.001	O	|	|	|	|	0.00
40.417	0.00	0.00	0.001	O	|	|	|	|	0.00
40.500	0.00	0.00	0.001	O	|	|	|	|	0.00
40.583	0.00	0.00	0.001	O	|	|	|	|	0.00
40.667	0.00	0.00	0.000	O	|	|	|	|	0.00
40.750	0.00	0.00	0.000	O	|	|	|	|	0.00
40.833	0.00	0.00	0.000	O	|	|	|	|	0.00
40.917	0.00	0.00	0.000	O	|	|	|	|	0.00
41.000	0.00	0.00	0.000	O	|	|	|	|	0.00
41.083	0.00	0.00	0.000	O	|	|	|	|	0.00
41.167	0.00	0.00	0.000	O	|	|	|	|	0.00
41.250	0.00	0.00	0.000	O	|	|	|	|	0.00
41.333	0.00	0.00	0.000	O	|	|	|	|	0.00
41.417	0.00	0.00	0.000	O	|	|	|	|	0.00
41.500	0.00	0.00	0.000	O	|	|	|	|	0.00
41.583	0.00	0.00	0.000	O	|	|	|	|	0.00
41.667	0.00	0.00	0.000	O	|	|	|	|	0.00
41.750	0.00	0.00	0.000	O	|	|	|	|	0.00
41.833	0.00	0.00	0.000	O	|	|	|	|	0.00
41.917	0.00	0.00	0.000	O	|	|	|	|	0.00
42.000	0.00	0.00	0.000	O	|	|	|	|	0.00
42.083	0.00	0.00	0.000	O	|	|	|	|	0.00
42.167	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 506
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 12.362 (CFS)
Total volume = 2.783 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/13/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRE610.rte
**********HYDROGRAPH DATA**********
Number of intervals = 76
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 46.558 (CFS)
Total volume = 3.796 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN E- ROUTING
10YR-6HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 76
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.350	0.980	0.347	0.353
2.000	0.770	1.960	0.763	0.777
3.000	1.260	2.540	1.251	1.269
4.000	1.800	3.010	1.790	1.810
5.000	2.410	16.920	2.352	2.468
6.000	3.070	123.450	2.645	3.495
7.000	3.800	311.150	2.729	4.871
8.000	4.590	551.930	2.689	6.491

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 11.6 23.28 34.92 46.56	Depth (Ft.)
0.083	0.78	0.01	0.003	O | | | |	0.01
0.167	1.91	0.03	0.012	OI | | | |	0.03

0.250	2.32	0.07	0.026	OI	|	|	|	|	0.07
0.333	2.46	0.12	0.042	OI	|	|	|	|	0.12
0.417	2.53	0.16	0.058	OI	|	|	|	|	0.17
0.500	2.70	0.21	0.075	OI	|	|	|	|	0.21
0.583	2.89	0.26	0.092	OI	|	|	|	|	0.26
0.667	2.93	0.31	0.110	O I	|	|	|	|	0.32
0.750	2.95	0.36	0.128	O I	|	|	|	|	0.37
0.833	2.96	0.41	0.146	O I	|	|	|	|	0.42
0.917	2.96	0.46	0.164	O I	|	|	|	|	0.47
1.000	3.12	0.51	0.181	O I	|	|	|	|	0.52
1.083	3.31	0.56	0.200	O I	|	|	|	|	0.57
1.167	3.36	0.61	0.219	O I	|	|	|	|	0.62
1.250	3.38	0.66	0.237	O I	|	|	|	|	0.68
1.333	3.39	0.72	0.256	O I	|	|	|	|	0.73
1.417	3.39	0.77	0.274	O I	|	|	|	|	0.78
1.500	3.39	0.82	0.292	O I	|	|	|	|	0.83
1.583	3.39	0.87	0.310	O I	|	|	|	|	0.88
1.667	3.39	0.91	0.327	O I	|	|	|	|	0.93
1.750	3.39	0.96	0.344	O I	|	|	|	|	0.98
1.833	3.39	1.00	0.360	O I	|	|	|	|	1.02
1.917	3.39	1.04	0.376	O I	|	|	|	|	1.06
2.000	3.54	1.08	0.393	O I	|	|	|	|	1.10
2.083	3.58	1.12	0.410	O I	|	|	|	|	1.14
2.167	3.59	1.16	0.427	O I	|	|	|	|	1.18
2.250	3.76	1.20	0.444	O I	|	|	|	|	1.22
2.333	3.79	1.24	0.462	O I	|	|	|	|	1.27
2.417	3.80	1.28	0.479	O I	|	|	|	|	1.31
2.500	3.81	1.32	0.496	O I	|	|	|	|	1.35
2.583	3.81	1.36	0.513	O I	|	|	|	|	1.39
2.667	3.81	1.40	0.530	O I	|	|	|	|	1.43
2.750	3.97	1.44	0.547	O I	|	|	|	|	1.47
2.833	4.16	1.48	0.565	|OI	|	|	|	|	1.51
2.917	4.21	1.52	0.583	|OI	|	|	|	|	1.56
3.000	4.22	1.57	0.602	|OI	|	|	|	|	1.60
3.083	4.23	1.61	0.620	|OI	|	|	|	|	1.64
3.167	4.39	1.65	0.638	|O I	|	|	|	|	1.69
3.250	4.58	1.70	0.658	|O I	|	|	|	|	1.73
3.333	4.63	1.74	0.678	|O I	|	|	|	|	1.78
3.417	4.80	1.79	0.698	|O I	|	|	|	|	1.83
3.500	5.16	1.84	0.720	|O I	|	|	|	|	1.88
3.583	5.56	1.90	0.744	|O I	|	|	|	|	1.94
3.667	5.81	1.96	0.770	|O I	|	|	|	|	2.00
3.750	6.04	1.99	0.797	|O I	|	|	|	|	2.06
3.833	6.27	2.03	0.826	|O I	|	|	|	|	2.11
3.917	6.48	2.06	0.855	|O I	|	|	|	|	2.17
4.000	6.69	2.10	0.886	|O I	|	|	|	|	2.24
4.083	6.90	2.14	0.919	|O I	|	|	|	|	2.30
4.167	7.27	2.18	0.953	|O I	|	|	|	|	2.37
4.250	7.68	2.22	0.989	|O I	|	|	|	|	2.45
4.333	8.09	2.27	1.028	|O I	|	|	|	|	2.53
4.417	8.51	2.31	1.069	|O I	|	|	|	|	2.61
4.500	8.78	2.37	1.113	|O I	|	|	|	|	2.70
4.583	9.19	2.42	1.158	|O I	|	|	|	|	2.79
4.667	10.13	2.48	1.208	|O I	|	|	|	|	2.89
4.750	11.35	2.54	1.264	|O I|	|	|	|	3.01
4.833	12.15	2.60	1.327	|O I	|	|	|	|	3.12
4.917	12.87	2.66	1.396	|O I	|	|	|	|	3.25
5.000	14.09	2.72	1.470	|O |I	|	|	|	|	3.39
5.083	17.37	2.80	1.559	|O | I	|	|	|	|	3.55
5.167	23.17	2.90	1.679	|O | I|	|	|	|	|	3.78
5.250	28.56	3.79	1.834	| O | | I	|	|	|	|	4.06
5.333	32.95	7.72	2.006	| O | | I	|	|	|	|	4.34
5.417	38.20	11.77	2.184	| O | | I	|	|	|	|	4.63
5.500	46.56	16.23	2.380	| | O | | I	|	|	|	|	4.95
5.583	35.55	**31.26**	**2.499**	| | | **O I**	|	|	|	|	**5.13**
5.667	13.76	26.54	2.470	| |I | O | |	|	|	|	5.09
5.750	7.12	16.54	2.393	| I | O | |	|	|	|	4.97

5.833	4.17	14.95	2.324	| I | O |				4.86
5.917	2.08	13.23	2.248	|I |O |				4.73
6.000	1.33	11.55	2.174	I O|				4.61
6.083	0.68	10.01	2.107	I O |				4.50
6.167	0.20	8.62	2.046	I O |				4.40
6.250	0.07	7.38	1.992	I O |				4.31
6.333	0.02	6.32	1.945	I O |				4.24
6.417	0.00	5.40	1.905	I O |				4.17
6.500	0.00	4.61	1.870	I O |				4.12
6.583	0.00	3.94	1.841	I O |				4.07
6.667	0.00	3.37	1.816	I O |				4.03
6.750	0.00	3.00	1.794	I O |				3.99
6.833	0.00	2.99	1.773	I O |				3.95
6.917	0.00	2.97	1.753	I O |				3.91
7.000	0.00	2.95	1.732	I O |				3.87
7.083	0.00	2.93	1.712	I O |				3.84
7.167	0.00	2.92	1.692	I O |				3.80
7.250	0.00	2.90	1.672	IO |				3.76
7.333	0.00	2.88	1.652	IO |				3.73
7.417	0.00	2.86	1.632	IO |				3.69
7.500	0.00	2.85	1.612	IO |				3.65
7.583	0.00	2.83	1.593	IO |				3.62
7.667	0.00	2.81	1.573	IO |				3.58
7.750	0.00	2.80	1.554	IO |				3.54
7.833	0.00	2.78	1.535	IO |				3.51
7.917	0.00	2.76	1.516	IO |				3.47
8.000	0.00	2.75	1.497	IO |				3.44
8.083	0.00	2.73	1.478	IO |				3.40
8.167	0.00	2.71	1.459	IO |				3.37
8.250	0.00	2.70	1.441	IO |				3.33
8.333	0.00	2.68	1.422	IO |				3.30
8.417	0.00	2.67	1.404	IO |				3.27
8.500	0.00	2.65	1.385	IO |				3.23
8.583	0.00	2.63	1.367	IO |				3.20
8.667	0.00	2.62	1.349	IO |				3.17
8.750	0.00	2.60	1.331	IO |				3.13
8.833	0.00	2.59	1.313	IO |				3.10
8.917	0.00	2.57	1.296	IO |				3.07
9.000	0.00	2.56	1.278	IO |				3.03
9.083	0.00	2.54	1.260	IO |				3.00
9.167	0.00	2.52	1.243	IO |				2.97
9.250	0.00	2.50	1.226	IO |				2.93
9.333	0.00	2.48	1.208	IO |				2.89
9.417	0.00	2.46	1.191	IO |				2.86
9.500	0.00	2.44	1.175	IO |				2.83
9.583	0.00	2.42	1.158	IO |				2.79
9.667	0.00	2.40	1.141	IO |				2.76
9.750	0.00	2.38	1.125	IO |				2.72
9.833	0.00	2.36	1.108	IO |				2.69
9.917	0.00	2.34	1.092	IO |				2.66
10.000	0.00	2.32	1.076	IO |				2.62
10.083	0.00	2.30	1.060	IO |				2.59
10.167	0.00	2.28	1.045	IO |				2.56
10.250	0.00	2.27	1.029	IO |				2.53
10.333	0.00	2.25	1.013	IO |				2.50
10.417	0.00	2.23	0.998	IO |				2.47
10.500	0.00	2.21	0.983	IO |				2.43
10.583	0.00	2.19	0.967	IO |				2.40
10.667	0.00	2.18	0.952	IO |				2.37
10.750	0.00	2.16	0.937	IO |				2.34
10.833	0.00	2.14	0.923	IO |				2.31
10.917	0.00	2.12	0.908	IO |				2.28
11.000	0.00	2.11	0.893	IO |				2.25
11.083	0.00	2.09	0.879	IO |				2.22
11.167	0.00	2.07	0.865	IO |				2.19
11.250	0.00	2.06	0.850	IO |				2.16
11.333	0.00	2.04	0.836	IO |				2.14

11.417	0.00	2.02	0.822	IO	|	|	|	|	2.11
11.500	0.00	2.01	0.808	IO	|	|	|	|	2.08
11.583	0.00	1.99	0.795	IO	|	|	|	|	2.05
11.667	0.00	1.97	0.781	IO	|	|	|	|	2.02
11.750	0.00	1.95	0.768	IO	|	|	|	|	1.99
11.833	0.00	1.92	0.754	IO	|	|	|	|	1.96
11.917	0.00	1.89	0.741	IO	|	|	|	|	1.93
12.000	0.00	1.86	0.728	IO	|	|	|	|	1.90
12.083	0.00	1.83	0.715	IO	|	|	|	|	1.87
12.167	0.00	1.80	0.703	IO	|	|	|	|	1.84
12.250	0.00	1.77	0.691	IO	|	|	|	|	1.81
12.333	0.00	1.75	0.678	IO	|	|	|	|	1.78
12.417	0.00	1.72	0.666	IO	|	|	|	|	1.75
12.500	0.00	1.69	0.655	IO	|	|	|	|	1.73
12.583	0.00	1.66	0.643	IO	|	|	|	|	1.70
12.667	0.00	1.64	0.632	IO	|	|	|	|	1.67
12.750	0.00	1.61	0.621	IO	|	|	|	|	1.64
12.833	0.00	1.59	0.610	IO	|	|	|	|	1.62
12.917	0.00	1.56	0.599	IO	|	|	|	|	1.59
13.000	0.00	1.54	0.588	IO	|	|	|	|	1.57
13.083	0.00	1.51	0.578	IO	|	|	|	|	1.54
13.167	0.00	1.49	0.567	IO	|	|	|	|	1.52
13.250	0.00	1.46	0.557	IO	|	|	|	|	1.49
13.333	0.00	1.44	0.547	O	|	|	|	|	1.47
13.417	0.00	1.42	0.537	O	|	|	|	|	1.45
13.500	0.00	1.39	0.528	O	|	|	|	|	1.42
13.583	0.00	1.37	0.518	O	|	|	|	|	1.40
13.667	0.00	1.35	0.509	O	|	|	|	|	1.38
13.750	0.00	1.33	0.500	O	|	|	|	|	1.36
13.833	0.00	1.31	0.490	O	|	|	|	|	1.33
13.917	0.00	1.29	0.481	O	|	|	|	|	1.31
14.000	0.00	1.27	0.473	O	|	|	|	|	1.29
14.083	0.00	1.25	0.464	O	|	|	|	|	1.27
14.167	0.00	1.23	0.456	O	|	|	|	|	1.25
14.250	0.00	1.21	0.447	O	|	|	|	|	1.23
14.333	0.00	1.19	0.439	O	|	|	|	|	1.21
14.417	0.00	1.17	0.431	O	|	|	|	|	1.19
14.500	0.00	1.15	0.423	O	|	|	|	|	1.17
14.583	0.00	1.13	0.415	O	|	|	|	|	1.15
14.667	0.00	1.11	0.407	O	|	|	|	|	1.14
14.750	0.00	1.10	0.400	O	|	|	|	|	1.12
14.833	0.00	1.08	0.392	O	|	|	|	|	1.10
14.917	0.00	1.06	0.385	O	|	|	|	|	1.08
15.000	0.00	1.04	0.378	O	|	|	|	|	1.07
15.083	0.00	1.03	0.370	O	|	|	|	|	1.05
15.167	0.00	1.01	0.363	O	|	|	|	|	1.03
15.250	0.00	1.00	0.356	O	|	|	|	|	1.02
15.333	0.00	0.98	0.350	O	|	|	|	|	1.00
15.417	0.00	0.96	0.343	O	|	|	|	|	0.98
15.500	0.00	0.94	0.336	O	|	|	|	|	0.96
15.583	0.00	0.92	0.330	O	|	|	|	|	0.94
15.667	0.00	0.91	0.324	O	|	|	|	|	0.92
15.750	0.00	0.89	0.318	O	|	|	|	|	0.91
15.833	0.00	0.87	0.311	O	|	|	|	|	0.89
15.917	0.00	0.86	0.306	O	|	|	|	|	0.87
16.000	0.00	0.84	0.300	O	|	|	|	|	0.86
16.083	0.00	0.82	0.294	O	|	|	|	|	0.84
16.167	0.00	0.81	0.288	O	|	|	|	|	0.82
16.250	0.00	0.79	0.283	O	|	|	|	|	0.81
16.333	0.00	0.78	0.277	O	|	|	|	|	0.79
16.417	0.00	0.76	0.272	O	|	|	|	|	0.78
16.500	0.00	0.75	0.267	O	|	|	|	|	0.76
16.583	0.00	0.73	0.262	O	|	|	|	|	0.75
16.667	0.00	0.72	0.257	O	|	|	|	|	0.73
16.750	0.00	0.71	0.252	O	|	|	|	|	0.72
16.833	0.00	0.69	0.247	O	|	|	|	|	0.71
16.917	0.00	0.68	0.242	O	|	|	|	|	0.69

17.000	0.00	0.67	0.238	O	|	|	|	|	0.68
17.083	0.00	0.65	0.233	O	|	|	|	|	0.67
17.167	0.00	0.64	0.229	O	|	|	|	|	0.65
17.250	0.00	0.63	0.224	O	|	|	|	|	0.64
17.333	0.00	0.62	0.220	O	|	|	|	|	0.63
17.417	0.00	0.60	0.216	O	|	|	|	|	0.62
17.500	0.00	0.59	0.212	O	|	|	|	|	0.61
17.583	0.00	0.58	0.208	O	|	|	|	|	0.59
17.667	0.00	0.57	0.204	O	|	|	|	|	0.58
17.750	0.00	0.56	0.200	O	|	|	|	|	0.57
17.833	0.00	0.55	0.196	O	|	|	|	|	0.56
17.917	0.00	0.54	0.192	O	|	|	|	|	0.55
18.000	0.00	0.53	0.189	O	|	|	|	|	0.54
18.083	0.00	0.52	0.185	O	|	|	|	|	0.53
18.167	0.00	0.51	0.182	O	|	|	|	|	0.52
18.250	0.00	0.50	0.178	O	|	|	|	|	0.51
18.333	0.00	0.49	0.175	O	|	|	|	|	0.50
18.417	0.00	0.48	0.171	O	|	|	|	|	0.49
18.500	0.00	0.47	0.168	O	|	|	|	|	0.48
18.583	0.00	0.46	0.165	O	|	|	|	|	0.47
18.667	0.00	0.45	0.162	O	|	|	|	|	0.46
18.750	0.00	0.44	0.159	O	|	|	|	|	0.45
18.833	0.00	0.44	0.156	O	|	|	|	|	0.44
18.917	0.00	0.43	0.153	O	|	|	|	|	0.44
19.000	0.00	0.42	0.150	O	|	|	|	|	0.43
19.083	0.00	0.41	0.147	O	|	|	|	|	0.42
19.167	0.00	0.40	0.144	O	|	|	|	|	0.41
19.250	0.00	0.40	0.141	O	|	|	|	|	0.40
19.333	0.00	0.39	0.139	O	|	|	|	|	0.40
19.417	0.00	0.38	0.136	O	|	|	|	|	0.39
19.500	0.00	0.37	0.133	O	|	|	|	|	0.38
19.583	0.00	0.37	0.131	O	|	|	|	|	0.37
19.667	0.00	0.36	0.128	O	|	|	|	|	0.37
19.750	0.00	0.35	0.126	O	|	|	|	|	0.36
19.833	0.00	0.35	0.123	O	|	|	|	|	0.35
19.917	0.00	0.34	0.121	O	|	|	|	|	0.35
20.000	0.00	0.33	0.119	O	|	|	|	|	0.34
20.083	0.00	0.33	0.116	O	|	|	|	|	0.33
20.167	0.00	0.32	0.114	O	|	|	|	|	0.33
20.250	0.00	0.31	0.112	O	|	|	|	|	0.32
20.333	0.00	0.31	0.110	O	|	|	|	|	0.31
20.417	0.00	0.30	0.108	O	|	|	|	|	0.31
20.500	0.00	0.30	0.106	O	|	|	|	|	0.30
20.583	0.00	0.29	0.104	O	|	|	|	|	0.30
20.667	0.00	0.28	0.102	O	|	|	|	|	0.29
20.750	0.00	0.28	0.100	O	|	|	|	|	0.29
20.833	0.00	0.27	0.098	O	|	|	|	|	0.28
20.917	0.00	0.27	0.096	O	|	|	|	|	0.27
21.000	0.00	0.26	0.094	O	|	|	|	|	0.27
21.083	0.00	0.26	0.092	O	|	|	|	|	0.26
21.167	0.00	0.25	0.091	O	|	|	|	|	0.26
21.250	0.00	0.25	0.089	O	|	|	|	|	0.25
21.333	0.00	0.24	0.087	O	|	|	|	|	0.25
21.417	0.00	0.24	0.086	O	|	|	|	|	0.24
21.500	0.00	0.23	0.084	O	|	|	|	|	0.24
21.583	0.00	0.23	0.082	O	|	|	|	|	0.24
21.667	0.00	0.23	0.081	O	|	|	|	|	0.23
21.750	0.00	0.22	0.079	O	|	|	|	|	0.23
21.833	0.00	0.22	0.078	O	|	|	|	|	0.22
21.917	0.00	0.21	0.076	O	|	|	|	|	0.22
22.000	0.00	0.21	0.075	O	|	|	|	|	0.21
22.083	0.00	0.21	0.073	O	|	|	|	|	0.21
22.167	0.00	0.20	0.072	O	|	|	|	|	0.21
22.250	0.00	0.20	0.071	O	|	|	|	|	0.20
22.333	0.00	0.19	0.069	O	|	|	|	|	0.20
22.417	0.00	0.19	0.068	O	|	|	|	|	0.19
22.500	0.00	0.19	0.067	O	|	|	|	|	0.19

22.583	0.00	0.18	0.065	O	|	|	|	|	0.19
22.667	0.00	0.18	0.064	O	|	|	|	|	0.18
22.750	0.00	0.18	0.063	O	|	|	|	|	0.18
22.833	0.00	0.17	0.062	O	|	|	|	|	0.18
22.917	0.00	0.17	0.060	O	|	|	|	|	0.17
23.000	0.00	0.17	0.059	O	|	|	|	|	0.17
23.083	0.00	0.16	0.058	O	|	|	|	|	0.17
23.167	0.00	0.16	0.057	O	|	|	|	|	0.16
23.250	0.00	0.16	0.056	O	|	|	|	|	0.16
23.333	0.00	0.15	0.055	O	|	|	|	|	0.16
23.417	0.00	0.15	0.054	O	|	|	|	|	0.15
23.500	0.00	0.15	0.053	O	|	|	|	|	0.15
23.583	0.00	0.15	0.052	O	|	|	|	|	0.15
23.667	0.00	0.14	0.051	O	|	|	|	|	0.15
23.750	0.00	0.14	0.050	O	|	|	|	|	0.14
23.833	0.00	0.14	0.049	O	|	|	|	|	0.14
23.917	0.00	0.13	0.048	O	|	|	|	|	0.14
24.000	0.00	0.13	0.047	O	|	|	|	|	0.13
24.083	0.00	0.13	0.046	O	|	|	|	|	0.13
24.167	0.00	0.13	0.045	O	|	|	|	|	0.13
24.250	0.00	0.12	0.044	O	|	|	|	|	0.13
24.333	0.00	0.12	0.044	O	|	|	|	|	0.12
24.417	0.00	0.12	0.043	O	|	|	|	|	0.12
24.500	0.00	0.12	0.042	O	|	|	|	|	0.12
24.583	0.00	0.12	0.041	O	|	|	|	|	0.12
24.667	0.00	0.11	0.040	O	|	|	|	|	0.12
24.750	0.00	0.11	0.040	O	|	|	|	|	0.11
24.833	0.00	0.11	0.039	O	|	|	|	|	0.11
24.917	0.00	0.11	0.038	O	|	|	|	|	0.11
25.000	0.00	0.10	0.037	O	|	|	|	|	0.11
25.083	0.00	0.10	0.037	O	|	|	|	|	0.10
25.167	0.00	0.10	0.036	O	|	|	|	|	0.10
25.250	0.00	0.10	0.035	O	|	|	|	|	0.10
25.333	0.00	0.10	0.035	O	|	|	|	|	0.10
25.417	0.00	0.09	0.034	O	|	|	|	|	0.10
25.500	0.00	0.09	0.033	O	|	|	|	|	0.10
25.583	0.00	0.09	0.033	O	|	|	|	|	0.09
25.667	0.00	0.09	0.032	O	|	|	|	|	0.09
25.750	0.00	0.09	0.031	O	|	|	|	|	0.09
25.833	0.00	0.09	0.031	O	|	|	|	|	0.09
25.917	0.00	0.08	0.030	O	|	|	|	|	0.09
26.000	0.00	0.08	0.030	O	|	|	|	|	0.08
26.083	0.00	0.08	0.029	O	|	|	|	|	0.08
26.167	0.00	0.08	0.029	O	|	|	|	|	0.08
26.250	0.00	0.08	0.028	O	|	|	|	|	0.08
26.333	0.00	0.08	0.027	O	|	|	|	|	0.08
26.417	0.00	0.08	0.027	O	|	|	|	|	0.08
26.500	0.00	0.07	0.026	O	|	|	|	|	0.08
26.583	0.00	0.07	0.026	O	|	|	|	|	0.07
26.667	0.00	0.07	0.025	O	|	|	|	|	0.07
26.750	0.00	0.07	0.025	O	|	|	|	|	0.07
26.833	0.00	0.07	0.024	O	|	|	|	|	0.07
26.917	0.00	0.07	0.024	O	|	|	|	|	0.07
27.000	0.00	0.07	0.024	O	|	|	|	|	0.07
27.083	0.00	0.06	0.023	O	|	|	|	|	0.07
27.167	0.00	0.06	0.023	O	|	|	|	|	0.06
27.250	0.00	0.06	0.022	O	|	|	|	|	0.06
27.333	0.00	0.06	0.022	O	|	|	|	|	0.06
27.417	0.00	0.06	0.021	O	|	|	|	|	0.06
27.500	0.00	0.06	0.021	O	|	|	|	|	0.06
27.583	0.00	0.06	0.021	O	|	|	|	|	0.06
27.667	0.00	0.06	0.020	O	|	|	|	|	0.06
27.750	0.00	0.06	0.020	O	|	|	|	|	0.06
27.833	0.00	0.05	0.019	O	|	|	|	|	0.06
27.917	0.00	0.05	0.019	O	|	|	|	|	0.05
28.000	0.00	0.05	0.019	O	|	|	|	|	0.05
28.083	0.00	0.05	0.018	O	|	|	|	|	0.05

28.167	0.00	0.05	0.018	O	|	|	|	0.05
28.250	0.00	0.05	0.018	O	|	|	|	0.05
28.333	0.00	0.05	0.017	O	|	|	|	0.05
28.417	0.00	0.05	0.017	O	|	|	|	0.05
28.500	0.00	0.05	0.017	O	|	|	|	0.05
28.583	0.00	0.05	0.016	O	|	|	|	0.05
28.667	0.00	0.04	0.016	O	|	|	|	0.05
28.750	0.00	0.04	0.016	O	|	|	|	0.04
28.833	0.00	0.04	0.015	O	|	|	|	0.04
28.917	0.00	0.04	0.015	O	|	|	|	0.04
29.000	0.00	0.04	0.015	O	|	|	|	0.04
29.083	0.00	0.04	0.015	O	|	|	|	0.04
29.167	0.00	0.04	0.014	O	|	|	|	0.04
29.250	0.00	0.04	0.014	O	|	|	|	0.04
29.333	0.00	0.04	0.014	O	|	|	|	0.04
29.417	0.00	0.04	0.013	O	|	|	|	0.04
29.500	0.00	0.04	0.013	O	|	|	|	0.04
29.583	0.00	0.04	0.013	O	|	|	|	0.04
29.667	0.00	0.04	0.013	O	|	|	|	0.04
29.750	0.00	0.03	0.012	O	|	|	|	0.04
29.833	0.00	0.03	0.012	O	|	|	|	0.03
29.917	0.00	0.03	0.012	O	|	|	|	0.03
30.000	0.00	0.03	0.012	O	|	|	|	0.03
30.083	0.00	0.03	0.012	O	|	|	|	0.03
30.167	0.00	0.03	0.011	O	|	|	|	0.03
30.250	0.00	0.03	0.011	O	|	|	|	0.03
30.333	0.00	0.03	0.011	O	|	|	|	0.03
30.417	0.00	0.03	0.011	O	|	|	|	0.03
30.500	0.00	0.03	0.010	O	|	|	|	0.03
30.583	0.00	0.03	0.010	O	|	|	|	0.03
30.667	0.00	0.03	0.010	O	|	|	|	0.03
30.750	0.00	0.03	0.010	O	|	|	|	0.03
30.833	0.00	0.03	0.010	O	|	|	|	0.03
30.917	0.00	0.03	0.009	O	|	|	|	0.03
31.000	0.00	0.03	0.009	O	|	|	|	0.03
31.083	0.00	0.03	0.009	O	|	|	|	0.03
31.167	0.00	0.03	0.009	O	|	|	|	0.03
31.250	0.00	0.02	0.009	O	|	|	|	0.03
31.333	0.00	0.02	0.009	O	|	|	|	0.02
31.417	0.00	0.02	0.008	O	|	|	|	0.02
31.500	0.00	0.02	0.008	O	|	|	|	0.02
31.583	0.00	0.02	0.008	O	|	|	|	0.02
31.667	0.00	0.02	0.008	O	|	|	|	0.02
31.750	0.00	0.02	0.008	O	|	|	|	0.02
31.833	0.00	0.02	0.008	O	|	|	|	0.02
31.917	0.00	0.02	0.008	O	|	|	|	0.02
32.000	0.00	0.02	0.007	O	|	|	|	0.02
32.083	0.00	0.02	0.007	O	|	|	|	0.02
32.167	0.00	0.02	0.007	O	|	|	|	0.02
32.250	0.00	0.02	0.007	O	|	|	|	0.02
32.333	0.00	0.02	0.007	O	|	|	|	0.02
32.417	0.00	0.02	0.007	O	|	|	|	0.02
32.500	0.00	0.02	0.007	O	|	|	|	0.02
32.583	0.00	0.02	0.006	O	|	|	|	0.02
32.667	0.00	0.02	0.006	O	|	|	|	0.02
32.750	0.00	0.02	0.006	O	|	|	|	0.02
32.833	0.00	0.02	0.006	O	|	|	|	0.02
32.917	0.00	0.02	0.006	O	|	|	|	0.02
33.000	0.00	0.02	0.006	O	|	|	|	0.02
33.083	0.00	0.02	0.006	O	|	|	|	0.02
33.167	0.00	0.02	0.006	O	|	|	|	0.02
33.250	0.00	0.02	0.006	O	|	|	|	0.02
33.333	0.00	0.02	0.005	O	|	|	|	0.02
33.417	0.00	0.01	0.005	O	|	|	|	0.02
33.500	0.00	0.01	0.005	O	|	|	|	0.01
33.583	0.00	0.01	0.005	O	|	|	|	0.01
33.667	0.00	0.01	0.005	O	|	|	|	0.01

33.750	0.00	0.01	0.005	O	|	|	|	0.01
33.833	0.00	0.01	0.005	O	|	|	|	0.01
33.917	0.00	0.01	0.005	O	|	|	|	0.01
34.000	0.00	0.01	0.005	O	|	|	|	0.01
34.083	0.00	0.01	0.005	O	|	|	|	0.01
34.167	0.00	0.01	0.004	O	|	|	|	0.01
34.250	0.00	0.01	0.004	O	|	|	|	0.01
34.333	0.00	0.01	0.004	O	|	|	|	0.01
34.417	0.00	0.01	0.004	O	|	|	|	0.01
34.500	0.00	0.01	0.004	O	|	|	|	0.01
34.583	0.00	0.01	0.004	O	|	|	|	0.01
34.667	0.00	0.01	0.004	O	|	|	|	0.01
34.750	0.00	0.01	0.004	O	|	|	|	0.01
34.833	0.00	0.01	0.004	O	|	|	|	0.01
34.917	0.00	0.01	0.004	O	|	|	|	0.01
35.000	0.00	0.01	0.004	O	|	|	|	0.01
35.083	0.00	0.01	0.004	O	|	|	|	0.01
35.167	0.00	0.01	0.004	O	|	|	|	0.01
35.250	0.00	0.01	0.003	O	|	|	|	0.01
35.333	0.00	0.01	0.003	O	|	|	|	0.01
35.417	0.00	0.01	0.003	O	|	|	|	0.01
35.500	0.00	0.01	0.003	O	|	|	|	0.01
35.583	0.00	0.01	0.003	O	|	|	|	0.01
35.667	0.00	0.01	0.003	O	|	|	|	0.01
35.750	0.00	0.01	0.003	O	|	|	|	0.01
35.833	0.00	0.01	0.003	O	|	|	|	0.01
35.917	0.00	0.01	0.003	O	|	|	|	0.01
36.000	0.00	0.01	0.003	O	|	|	|	0.01
36.083	0.00	0.01	0.003	O	|	|	|	0.01
36.167	0.00	0.01	0.003	O	|	|	|	0.01
36.250	0.00	0.01	0.003	O	|	|	|	0.01
36.333	0.00	0.01	0.003	O	|	|	|	0.01
36.417	0.00	0.01	0.003	O	|	|	|	0.01
36.500	0.00	0.01	0.003	O	|	|	|	0.01
36.583	0.00	0.01	0.003	O	|	|	|	0.01
36.667	0.00	0.01	0.003	O	|	|	|	0.01
36.750	0.00	0.01	0.002	O	|	|	|	0.01
36.833	0.00	0.01	0.002	O	|	|	|	0.01
36.917	0.00	0.01	0.002	O	|	|	|	0.01
37.000	0.00	0.01	0.002	O	|	|	|	0.01
37.083	0.00	0.01	0.002	O	|	|	|	0.01
37.167	0.00	0.01	0.002	O	|	|	|	0.01
37.250	0.00	0.01	0.002	O	|	|	|	0.01
37.333	0.00	0.01	0.002	O	|	|	|	0.01
37.417	0.00	0.01	0.002	O	|	|	|	0.01
37.500	0.00	0.01	0.002	O	|	|	|	0.01
37.583	0.00	0.01	0.002	O	|	|	|	0.01
37.667	0.00	0.01	0.002	O	|	|	|	0.01
37.750	0.00	0.01	0.002	O	|	|	|	0.01
37.833	0.00	0.01	0.002	O	|	|	|	0.01
37.917	0.00	0.01	0.002	O	|	|	|	0.01
38.000	0.00	0.01	0.002	O	|	|	|	0.01
38.083	0.00	0.01	0.002	O	|	|	|	0.01
38.167	0.00	0.00	0.002	O	|	|	|	0.01
38.250	0.00	0.00	0.002	O	|	|	|	0.00
38.333	0.00	0.00	0.002	O	|	|	|	0.00
38.417	0.00	0.00	0.002	O	|	|	|	0.00
38.500	0.00	0.00	0.002	O	|	|	|	0.00
38.583	0.00	0.00	0.002	O	|	|	|	0.00
38.667	0.00	0.00	0.002	O	|	|	|	0.00
38.750	0.00	0.00	0.002	O	|	|	|	0.00
38.833	0.00	0.00	0.002	O	|	|	|	0.00
38.917	0.00	0.00	0.001	O	|	|	|	0.00
39.000	0.00	0.00	0.001	O	|	|	|	0.00
39.083	0.00	0.00	0.001	O	|	|	|	0.00
39.167	0.00	0.00	0.001	O	|	|	|	0.00
39.250	0.00	0.00	0.001	O	|	|	|	0.00

39.333	0.00	0.00	0.001	O				0.00
39.417	0.00	0.00	0.001	O				0.00
39.500	0.00	0.00	0.001	O				0.00
39.583	0.00	0.00	0.001	O				0.00
39.667	0.00	0.00	0.001	O				0.00
39.750	0.00	0.00	0.001	O				0.00
39.833	0.00	0.00	0.001	O				0.00
39.917	0.00	0.00	0.001	O				0.00
40.000	0.00	0.00	0.001	O				0.00
40.083	0.00	0.00	0.001	O				0.00
40.167	0.00	0.00	0.001	O				0.00
40.250	0.00	0.00	0.001	O				0.00
40.333	0.00	0.00	0.001	O				0.00
40.417	0.00	0.00	0.001	O				0.00
40.500	0.00	0.00	0.001	O				0.00
40.583	0.00	0.00	0.001	O				0.00
40.667	0.00	0.00	0.001	O				0.00
40.750	0.00	0.00	0.001	O				0.00
40.833	0.00	0.00	0.001	O				0.00
40.917	0.00	0.00	0.001	O				0.00
41.000	0.00	0.00	0.001	O				0.00
41.083	0.00	0.00	0.001	O				0.00
41.167	0.00	0.00	0.001	O				0.00
41.250	0.00	0.00	0.001	O				0.00
41.333	0.00	0.00	0.001	O				0.00
41.417	0.00	0.00	0.001	O				0.00
41.500	0.00	0.00	0.001	O				0.00
41.583	0.00	0.00	0.001	O				0.00
41.667	0.00	0.00	0.001	O				0.00
41.750	0.00	0.00	0.001	O				0.00
41.833	0.00	0.00	0.001	O				0.00
41.917	0.00	0.00	0.001	O				0.00
42.000	0.00	0.00	0.001	O				0.00
42.083	0.00	0.00	0.001	O				0.00
42.167	0.00	0.00	0.001	O				0.00
42.250	0.00	0.00	0.001	O				0.00
42.333	0.00	0.00	0.001	O				0.00
42.417	0.00	0.00	0.001	O				0.00
42.500	0.00	0.00	0.001	O				0.00
42.583	0.00	0.00	0.001	O				0.00
42.667	0.00	0.00	0.001	O				0.00
42.750	0.00	0.00	0.001	O				0.00
42.833	0.00	0.00	0.001	O				0.00
42.917	0.00	0.00	0.001	O				0.00
43.000	0.00	0.00	0.001	O				0.00
43.083	0.00	0.00	0.001	O				0.00
43.167	0.00	0.00	0.001	O				0.00
43.250	0.00	0.00	0.001	O				0.00
43.333	0.00	0.00	0.001	O				0.00
43.417	0.00	0.00	0.001	O				0.00
43.500	0.00	0.00	0.001	O				0.00
43.583	0.00	0.00	0.001	O				0.00
43.667	0.00	0.00	0.000	O				0.00
43.750	0.00	0.00	0.000	O				0.00
43.833	0.00	0.00	0.000	O				0.00
43.917	0.00	0.00	0.000	O				0.00
44.000	0.00	0.00	0.000	O				0.00
44.083	0.00	0.00	0.000	O				0.00
44.167	0.00	0.00	0.000	O				0.00
44.250	0.00	0.00	0.000	O				0.00
44.333	0.00	0.00	0.000	O				0.00
44.417	0.00	0.00	0.000	O				0.00
44.500	0.00	0.00	0.000	O				0.00
44.583	0.00	0.00	0.000	O				0.00
44.667	0.00	0.00	0.000	O				0.00
44.750	0.00	0.00	0.000	O				0.00
44.833	0.00	0.00	0.000	O				0.00

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44.917    0.00    0.00      0.000  O       |       |       |       |     0.00
45.000    0.00    0.00      0.000  O       |       |       |       |     0.00
45.083    0.00    0.00      0.000  O       |       |       |       |     0.00
45.167    0.00    0.00      0.000  O       |       |       |       |     0.00

      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =   542
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =       31.263 (CFS)
                  Total volume =       3.795 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ***********************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/16/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRE2410.rte

**********HYDROGRAPH DATA**********

Number of intervals = 292
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 14.318 (CFS)
Total volume = 6.226 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN E- ROUTING
10YR-24HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 292
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.350	0.980	0.347	0.353
2.000	0.770	1.960	0.763	0.777
3.000	1.260	2.540	1.251	1.269
4.000	1.800	3.010	1.790	1.810
5.000	2.410	16.920	2.352	2.468
6.000	3.070	123.450	2.645	3.495
7.000	3.800	311.150	2.729	4.871
8.000	4.590	551.930	2.689	6.491

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 3.6 7.16 10.74 14.32	Depth (Ft.)
0.083	0.21	0.00	0.001	O | | | |	0.00
0.167	0.48	0.01	0.003	OI | | | |	0.01

0.250	0.54	0.02	0.006	OI	|	|	|	0.02
0.333	0.67	0.03	0.010	OI	|	|	|	0.03
0.417	0.82	0.04	0.015	OI	|	|	|	0.04
0.500	0.85	0.06	0.021	OI	|	|	|	0.06
0.583	0.86	0.07	0.026	OI	|	|	|	0.07
0.667	0.87	0.09	0.032	OI	|	|	|	0.09
0.750	0.87	0.10	0.037	OI	|	|	|	0.11
0.833	0.98	0.12	0.043	O I	|	|	|	0.12
0.917	1.11	0.14	0.049	O I	|	|	|	0.14
1.000	1.14	0.16	0.056	O I	|	|	|	0.16
1.083	1.05	0.17	0.062	O I	|	|	|	0.18
1.167	0.92	0.19	0.067	O I	|	|	|	0.19
1.250	0.89	0.20	0.072	OI	|	|	|	0.21
1.333	0.88	0.22	0.077	OI	|	|	|	0.22
1.417	0.87	0.23	0.082	OI	|	|	|	0.23
1.500	0.87	0.24	0.086	OI	|	|	|	0.25
1.583	0.87	0.25	0.090	OI	|	|	|	0.26
1.667	0.87	0.26	0.094	OI	|	|	|	0.27
1.750	0.87	0.28	0.099	OI	|	|	|	0.28
1.833	0.98	0.29	0.103	O I	|	|	|	0.29
1.917	1.11	0.30	0.108	O I	|	|	|	0.31
2.000	1.14	0.32	0.114	O I	|	|	|	0.32
2.083	1.15	0.33	0.119	O I	|	|	|	0.34
2.167	1.16	0.35	0.125	O I	|	|	|	0.36
2.250	1.16	0.37	0.130	O I	|	|	|	0.37
2.333	1.16	0.38	0.136	O I	|	|	|	0.39
2.417	1.16	0.40	0.141	O I	|	|	|	0.40
2.500	1.16	0.41	0.146	O I	|	|	|	0.42
2.583	1.27	0.43	0.152	O I	|	|	|	0.43
2.667	1.40	0.44	0.158	O I	|	|	|	0.45
2.750	1.43	0.46	0.165	|O I	|	|	|	0.47
2.833	1.44	0.48	0.171	|O I	|	|	|	0.49
2.917	1.45	0.50	0.178	|O I	|	|	|	0.51
3.000	1.45	0.52	0.184	|O I	|	|	|	0.53
3.083	1.45	0.53	0.191	|O I	|	|	|	0.55
3.167	1.45	0.55	0.197	|O I	|	|	|	0.56
3.250	1.45	0.57	0.203	|O I	|	|	|	0.58
3.333	1.45	0.59	0.209	|O I	|	|	|	0.60
3.417	1.45	0.60	0.215	|O I	|	|	|	0.61
3.500	1.45	0.62	0.221	|O I	|	|	|	0.63
3.583	1.45	0.63	0.227	|O I	|	|	|	0.65
3.667	1.45	0.65	0.232	|O I	|	|	|	0.66
3.750	1.45	0.67	0.238	|O I	|	|	|	0.68
3.833	1.56	0.68	0.243	|O I	|	|	|	0.70
3.917	1.69	0.70	0.250	|O I	|	|	|	0.71
4.000	1.72	0.72	0.257	|O I	|	|	|	0.73
4.083	1.73	0.74	0.263	|O I	|	|	|	0.75
4.167	1.74	0.76	0.270	|O I	|	|	|	0.77
4.250	1.74	0.78	0.277	|O I	|	|	|	0.79
4.333	1.85	0.79	0.284	|O I	|	|	|	0.81
4.417	1.98	0.82	0.292	|O I	|	|	|	0.83
4.500	2.01	0.84	0.300	|O I	|	|	|	0.86
4.583	2.02	0.86	0.308	|O I	|	|	|	0.88
4.667	2.03	0.88	0.316	|O I	|	|	|	0.90
4.750	2.03	0.91	0.323	| O I	|	|	|	0.92
4.833	2.14	0.93	0.331	| O I	|	|	|	0.95
4.917	2.27	0.95	0.340	| O I	|	|	|	0.97
5.000	2.30	0.98	0.349	| O I	|	|	|	1.00
5.083	2.10	1.00	0.357	| O I	|	|	|	1.02
5.167	1.84	1.01	0.364	| O I	|	|	|	1.03
5.250	1.78	1.03	0.370	| OI	|	|	|	1.05
5.333	1.86	1.04	0.375	| O I	|	|	|	1.06
5.417	1.98	1.05	0.381	| O I	|	|	|	1.07
5.500	2.01	1.07	0.387	| O I	|	|	|	1.09
5.583	2.13	1.08	0.394	| O I	|	|	|	1.11
5.667	2.27	1.10	0.402	| O I	|	|	|	1.12
5.750	2.30	1.12	0.410	| O I	|	|	|	1.14

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 5.833    2.31    1.14      0.418  | O  I  |       |       |       |     1.16
 5.917    2.32    1.16      0.426  | O  I  |       |       |       |     1.18
 6.000    2.32    1.18      0.434  | O  I  |       |       |       |     1.20
 6.083    2.43    1.20      0.442  | O  I  |       |       |       |     1.22
 6.167    2.56    1.22      0.451  | O  I  |       |       |       |     1.24
 6.250    2.59    1.24      0.460  | O  I  |       |       |       |     1.26
 6.333    2.60    1.26      0.470  | O  I  |       |       |       |     1.28
 6.417    2.61    1.28      0.479  | O  I  |       |       |       |     1.31
 6.500    2.61    1.30      0.488  | O  I  |       |       |       |     1.33
 6.583    2.72    1.32      0.497  | O   I |       |       |       |     1.35
 6.667    2.85    1.35      0.507  |  O  I |       |       |       |     1.37
 6.750    2.88    1.37      0.518  |  O  I |       |       |       |     1.40
 6.833    2.89    1.40      0.528  |  O  I |       |       |       |     1.42
 6.917    2.90    1.42      0.538  |  O  I |       |       |       |     1.45
 7.000    2.90    1.44      0.548  |  O  I |       |       |       |     1.47
 7.083    2.90    1.47      0.558  |  O  I |       |       |       |     1.50
 7.167    2.90    1.49      0.568  |  O  I |       |       |       |     1.52
 7.250    2.90    1.51      0.578  |  O  I |       |       |       |     1.54
 7.333    3.01    1.53      0.588  |  O  I |       |       |       |     1.57
 7.417    3.14    1.56      0.598  |  O   I|       |       |       |     1.59
 7.500    3.17    1.58      0.609  |  O   I|       |       |       |     1.62
 7.583    3.29    1.61      0.620  |  O   I|       |       |       |     1.64
 7.667    3.43    1.64      0.632  |  O   I|       |       |       |     1.67
 7.750    3.46    1.67      0.644  |  O   I|       |       |       |     1.70
 7.833    3.58    1.70      0.657  |  O   I|       |       |       |     1.73
 7.917    3.72    1.73      0.670  |  O    I       |       |       |     1.76
 8.000    3.75    1.76      0.684  |  O    I       |       |       |     1.80
 8.083    3.97    1.79      0.699  |   O   I       |       |       |     1.83
 8.167    4.25    1.83      0.714  |   O   |I      |       |       |     1.87
 8.250    4.31    1.87      0.731  |   O   |I      |       |       |     1.91
 8.333    4.33    1.91      0.748  |   O   |I      |       |       |     1.95
 8.417    4.35    1.95      0.764  |   O   |I      |       |       |     1.99
 8.500    4.35    1.97      0.781  |   O   |I      |       |       |     2.02
 8.583    4.46    1.99      0.798  |   O   |I      |       |       |     2.06
 8.667    4.59    2.01      0.815  |   O   | I     |       |       |     2.09
 8.750    4.62    2.03      0.833  |   O   | I     |       |       |     2.13
 8.833    4.74    2.06      0.851  |   O   | I     |       |       |     2.16
 8.917    4.88    2.08      0.870  |   O   | I     |       |       |     2.20
 9.000    4.91    2.10      0.889  |   O   | I     |       |       |     2.24
 9.083    5.13    2.12      0.909  |   O   |  I    |       |       |     2.28
 9.167    5.41    2.15      0.931  |   O   |   I   |       |       |     2.33
 9.250    5.47    2.18      0.953  |   O   |   I   |       |       |     2.37
 9.333    5.60    2.20      0.976  |   O   |   I   |       |       |     2.42
 9.417    5.75    2.23      1.000  |   O   |   I   |       |       |     2.47
 9.500    5.78    2.26      1.024  |    O  |   I   |       |       |     2.52
 9.583    5.90    2.29      1.049  |    O  |    I  |       |       |     2.57
 9.667    6.04    2.32      1.074  |    O  |    I  |       |       |     2.62
 9.750    6.07    2.35      1.100  |    O  |    I  |       |       |     2.67
 9.833    6.19    2.38      1.126  |    O  |    I  |       |       |     2.73
 9.917    6.33    2.41      1.152  |    O  |     I |       |       |     2.78
10.000    6.36    2.44      1.179  |    O  |     I |       |       |     2.83
10.083    5.62    2.47      1.203  |    O  |   I   |       |       |     2.88
10.167    4.70    2.49      1.222  |    O  | I     |       |       |     2.92
10.250    4.49    2.51      1.236  |    O  | I     |       |       |     2.95
10.333    4.40    2.53      1.250  |    O  |I      |       |       |     2.98
10.417    4.35    2.54      1.262  |    O  |I      |       |       |     3.00
10.500    4.35    2.55      1.275  |    O  |I      |       |       |     3.03
10.583    4.88    2.57      1.289  |    O  | I     |       |       |     3.05
10.667    5.55    2.58      1.307  |    O  |   I   |       |       |     3.09
10.750    5.70    2.60      1.328  |    O  |   I   |       |       |     3.13
10.833    5.76    2.62      1.349  |    O  |   I   |       |       |     3.17
10.917    5.80    2.64      1.371  |    O  |   I   |       |       |     3.21
11.000    5.80    2.66      1.393  |    O  |   I   |       |       |     3.25
11.083    5.69    2.67      1.414  |    O  |   I   |       |       |     3.29
11.167    5.56    2.69      1.434  |     O |   I   |       |       |     3.32
11.250    5.53    2.71      1.454  |     O |   I   |       |       |     3.36
11.333    5.52    2.73      1.473  |     O |   I   |       |       |     3.39
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11.417	5.51	2.74	1.492	| O | I | | | 3.43
11.500	5.51	2.76	1.511	| O | I | | | 3.47
11.583	5.30	2.77	1.530	| O | I | | | 3.50
11.667	5.03	2.79	1.546	| O | I | | | 3.53
11.750	4.97	2.80	1.561	| O | I | | | 3.56
11.833	5.05	2.82	1.576	| O | I | | | 3.59
11.917	5.17	2.83	1.592	| O | I | | | 3.61
12.000	5.20	2.84	1.608	| O | I | | | 3.64
12.083	5.96	2.86	1.627	| O | I | | | 3.68
12.167	6.90	2.88	1.651	| O | I | | | 3.72
12.250	7.11	2.91	1.680	| O | I | | | 3.78
12.333	7.30	2.93	1.709	| O | I | | | 3.83
12.417	7.49	2.96	1.740	| O | I | | | 3.89
12.500	7.52	2.98	1.771	| O | I | | | 3.95
12.583	7.74	3.07	1.803	| O | I | | | 4.00
12.667	8.02	3.77	1.834	| O | I | | | 4.05
12.750	8.08	4.40	1.861	| O | I | | | 4.10
12.833	8.45	4.96	1.885	| O | I | | | 4.14
12.917	8.92	5.50	1.909	| O | I | | | 4.18
13.000	9.09	6.01	1.932	| O | I | | | 4.22
13.083	10.92	6.59	1.957	| O | I | | | 4.26
13.167	13.16	7.39	1.992	| O | | I | | 4.31
13.250	13.73	8.27	2.031	| O | | I | | 4.38
13.333	14.02	9.09	2.066	| O | | I | | 4.44
13.417	14.23	9.82	2.099	| O | | I | | 4.49
13.500	14.32	10.47	2.127	| O | | I | | 4.54
13.583	**11.53**	**10.83**	**2.143**	**| O | | I | | 4.56**
13.667	8.00	10.67	2.136	| O | | I | | 4.55
13.750	7.21	10.22	2.116	| O | | I | | 4.52
13.833	6.87	9.76	2.096	| O | | I | | 4.49
13.917	6.67	9.33	2.077	| O | | I | | 4.45
14.000	6.67	8.94	2.060	| O | | I | | 4.43
14.083	7.35	8.66	2.048	| O | | I | | 4.41
14.167	8.22	8.53	2.042	| O | | I | | 4.40
14.250	8.48	8.50	2.041	| O | | I | | 4.39
14.333	8.30	8.49	2.040	| O | | I | | 4.39
14.417	8.00	8.44	2.038	| O | | I | | 4.39
14.500	7.99	8.37	2.035	| O | | I | | 4.39
14.583	8.03	8.32	2.033	| O | | I | | 4.38
14.667	8.09	8.28	2.031	| O | | I | | 4.38
14.750	8.17	8.26	2.030	| O | | I | | 4.38
14.833	7.91	8.23	2.029	| O | | I | | 4.38
14.917	7.57	8.16	2.026	| O | | I | | 4.37
15.000	7.56	8.07	2.022	| O | | I | | 4.36
15.083	7.34	7.98	2.018	| O | | I | | 4.36
15.167	7.06	7.87	2.013	| O | | I | | 4.35
15.250	7.00	7.75	2.008	| O | | I | | 4.34
15.333	6.87	7.63	2.002	| O | | I | | 4.33
15.417	6.72	7.51	1.997	| O | | I | | 4.32
15.500	6.69	7.39	1.992	| O | | I | | 4.31
15.583	6.25	7.26	1.986	| O | | I | | 4.31
15.667	5.71	7.07	1.978	| O | | I | | 4.29
15.750	5.59	6.86	1.969	| O | | I | | 4.28
15.833	5.54	6.67	1.961	| O | | I | | 4.26
15.917	5.51	6.51	1.953	| O | | I | | 4.25
16.000	5.51	6.36	1.947	| O | | I | | 4.24
16.083	3.91	6.12	1.936	| O | | I | | 4.22
16.167	1.92	5.65	1.916	| O | | I | | 4.19
16.250	1.47	5.08	1.891	| O | | I | | 4.15
16.333	1.27	4.54	1.867	| O | | I | | 4.11
16.417	1.16	4.05	1.846	| O | | I | | 4.08
16.500	1.16	3.63	1.827	| O | | I | | 4.04
16.583	1.05	3.26	1.811	| O | | I | | 4.02
16.667	0.92	3.01	1.796	| O | | I | | 3.99
16.750	0.89	2.99	1.782	| O | | I | | 3.97
16.833	0.88	2.98	1.767	| O | | I | | 3.94
16.917	0.87	2.97	1.753	| O | | I | | 3.91

17.000	0.87	2.96	1.739	I O				3.89
17.083	1.08	2.94	1.725	I O				3.86
17.167	1.35	2.93	1.713	I O				3.84
17.250	1.41	2.93	1.702	I O				3.82
17.333	1.43	2.92	1.692	I O				3.80
17.417	1.45	2.91	1.682	I O				3.78
17.500	1.45	2.90	1.672	I O				3.76
17.583	1.45	2.89	1.662	I O				3.74
17.667	1.45	2.88	1.652	I O				3.73
17.750	1.45	2.87	1.642	I O				3.71
17.833	1.34	2.86	1.632	I O				3.69
17.917	1.21	2.85	1.621	I O				3.67
18.000	1.18	2.84	1.610	I O				3.65
18.083	1.17	2.83	1.598	I O				3.63
18.167	1.16	2.82	1.587	I O				3.61
18.250	1.16	2.81	1.575	I O				3.58
18.333	1.16	2.80	1.564	I O				3.56
18.417	1.16	2.79	1.553	I O				3.54
18.500	1.16	2.79	1.542	I O				3.52
18.583	1.05	2.78	1.530	I O				3.50
18.667	0.92	2.76	1.518	I O				3.48
18.750	0.89	2.75	1.505	I O				3.45
18.833	0.77	2.74	1.492	I O				3.43
18.917	0.63	2.73	1.478	I O				3.40
19.000	0.60	2.72	1.463	I O				3.38
19.083	0.69	2.70	1.449	I O				3.35
19.167	0.82	2.69	1.436	I O				3.33
19.250	0.85	2.68	1.423	I O				3.30
19.333	0.97	2.67	1.411	I O				3.28
19.417	1.11	2.66	1.400	I O				3.26
19.500	1.14	2.65	1.389	I O				3.24
19.583	1.05	2.64	1.378	I O				3.22
19.667	0.92	2.63	1.367	I O				3.20
19.750	0.89	2.62	1.355	I O				3.18
19.833	0.77	2.61	1.343	I O				3.15
19.917	0.63	2.60	1.330	I O				3.13
20.000	0.60	2.59	1.316	I O				3.10
20.083	0.69	2.58	1.303	I O				3.08
20.167	0.82	2.57	1.290	I O				3.06
20.250	0.85	2.56	1.278	I O				3.03
20.333	0.86	2.55	1.267	I O				3.01
20.417	0.87	2.53	1.255	I O				2.99
20.500	0.87	2.52	1.244	I O				2.97
20.583	0.87	2.51	1.232	I O				2.94
20.667	0.87	2.49	1.221	I O				2.92
20.750	0.87	2.48	1.210	I O				2.90
20.833	0.76	2.47	1.199	I O				2.87
20.917	0.63	2.45	1.186	I O				2.85
21.000	0.60	2.44	1.174	I O				2.82
21.083	0.69	2.42	1.161	I O				2.80
21.167	0.82	2.41	1.150	I O				2.78
21.250	0.85	2.40	1.139	I O				2.75
21.333	0.76	2.38	1.128	I O				2.73
21.417	0.63	2.37	1.117	I O				2.71
21.500	0.60	2.36	1.105	I O				2.68
21.583	0.69	2.34	1.093	I O				2.66
21.667	0.82	2.33	1.082	I O				2.64
21.750	0.85	2.32	1.072	I O				2.62
21.833	0.76	2.30	1.061	I O				2.59
21.917	0.63	2.29	1.050	I O				2.57
22.000	0.60	2.28	1.039	I O				2.55
22.083	0.69	2.27	1.028	I O				2.53
22.167	0.82	2.25	1.017	I O				2.50
22.250	0.85	2.24	1.008	I O				2.48
22.333	0.76	2.23	0.998	I O				2.46
22.417	0.63	2.22	0.987	I O				2.44
22.500	0.60	2.20	0.976	I O				2.42

22.583	0.59	2.19	0.965	I O				2.40
22.667	0.58	2.18	0.954	I O				2.38
22.750	0.58	2.17	0.943	I O				2.35
22.833	0.58	2.15	0.932	I O				2.33
22.917	0.58	2.14	0.922	I O				2.31
23.000	0.58	2.13	0.911	I O				2.29
23.083	0.58	2.11	0.900	I O				2.27
23.167	0.58	2.10	0.890	I O				2.24
23.250	0.58	2.09	0.879	I O				2.22
23.333	0.58	2.08	0.869	I O				2.20
23.417	0.58	2.06	0.859	I O				2.18
23.500	0.58	2.05	0.848	I O				2.16
23.583	0.58	2.04	0.838	I O				2.14
23.667	0.58	2.03	0.828	I O				2.12
23.750	0.58	2.02	0.818	I O				2.10
23.833	0.58	2.01	0.809	I O				2.08
23.917	0.58	1.99	0.799	I O				2.06
24.000	0.58	1.98	0.789	I O				2.04
24.083	0.37	1.97	0.779	I O				2.02
24.167	0.10	1.95	0.767	I O				1.99
24.250	0.04	1.92	0.754	I O				1.96
24.333	0.02	1.89	0.741	I O				1.93
24.417	0.00	1.86	0.728	I O				1.90
24.500	0.00	1.83	0.715	I O				1.87
24.583	0.00	1.80	0.703	I O				1.84
24.667	0.00	1.77	0.691	I O				1.81
24.750	0.00	1.75	0.678	I O				1.78
24.833	0.00	1.72	0.667	I O				1.75
24.917	0.00	1.69	0.655	I O				1.73
25.000	0.00	1.66	0.643	I O				1.70
25.083	0.00	1.64	0.632	I O				1.67
25.167	0.00	1.61	0.621	I O				1.64
25.250	0.00	1.59	0.610	I O				1.62
25.333	0.00	1.56	0.599	I O				1.59
25.417	0.00	1.54	0.588	I O				1.57
25.500	0.00	1.51	0.578	I O				1.54
25.583	0.00	1.49	0.567	I O				1.52
25.667	0.00	1.46	0.557	I O				1.49
25.750	0.00	1.44	0.547	I O				1.47
25.833	0.00	1.42	0.537	I O				1.45
25.917	0.00	1.39	0.528	I O				1.42
26.000	0.00	1.37	0.518	I O				1.40
26.083	0.00	1.35	0.509	I O				1.38
26.167	0.00	1.33	0.500	I O				1.36
26.250	0.00	1.31	0.490	I O				1.33
26.333	0.00	1.29	0.482	I O				1.31
26.417	0.00	1.27	0.473	I O				1.29
26.500	0.00	1.25	0.464	I O				1.27
26.583	0.00	1.23	0.456	I O				1.25
26.667	0.00	1.21	0.447	I O				1.23
26.750	0.00	1.19	0.439	I O				1.21
26.833	0.00	1.17	0.431	I O				1.19
26.917	0.00	1.15	0.423	I O				1.17
27.000	0.00	1.13	0.415	I O				1.15
27.083	0.00	1.11	0.407	I O				1.14
27.167	0.00	1.10	0.400	I O				1.12
27.250	0.00	1.08	0.392	I O				1.10
27.333	0.00	1.06	0.385	I O				1.08
27.417	0.00	1.04	0.378	I O				1.07
27.500	0.00	1.03	0.370	I O				1.05
27.583	0.00	1.01	0.363	I O				1.03
27.667	0.00	1.00	0.356	I O				1.02
27.750	0.00	0.98	0.350	I O				1.00
27.833	0.00	0.96	0.343	I O				0.98
27.917	0.00	0.94	0.336	I O				0.96
28.000	0.00	0.92	0.330	I O				0.94
28.083	0.00	0.91	0.324	I O				0.92

28.167	0.00	0.89	0.318	IO	|	|	|	0.91
28.250	0.00	0.87	0.311	IO	|	|	|	0.89
28.333	0.00	0.86	0.306	IO	|	|	|	0.87
28.417	0.00	0.84	0.300	IO	|	|	|	0.86
28.500	0.00	0.82	0.294	IO	|	|	|	0.84
28.583	0.00	0.81	0.288	IO	|	|	|	0.82
28.667	0.00	0.79	0.283	IO	|	|	|	0.81
28.750	0.00	0.78	0.277	IO	|	|	|	0.79
28.833	0.00	0.76	0.272	IO	|	|	|	0.78
28.917	0.00	0.75	0.267	IO	|	|	|	0.76
29.000	0.00	0.73	0.262	IO	|	|	|	0.75
29.083	0.00	0.72	0.257	IO	|	|	|	0.73
29.167	0.00	0.71	0.252	IO	|	|	|	0.72
29.250	0.00	0.69	0.247	IO	|	|	|	0.71
29.333	0.00	0.68	0.242	IO	|	|	|	0.69
29.417	0.00	0.67	0.238	IO	|	|	|	0.68
29.500	0.00	0.65	0.233	IO	|	|	|	0.67
29.583	0.00	0.64	0.229	IO	|	|	|	0.65
29.667	0.00	0.63	0.224	IO	|	|	|	0.64
29.750	0.00	0.62	0.220	IO	|	|	|	0.63
29.833	0.00	0.60	0.216	IO	|	|	|	0.62
29.917	0.00	0.59	0.212	IO	|	|	|	0.61
30.000	0.00	0.58	0.208	IO	|	|	|	0.59
30.083	0.00	0.57	0.204	IO	|	|	|	0.58
30.167	0.00	0.56	0.200	IO	|	|	|	0.57
30.250	0.00	0.55	0.196	IO	|	|	|	0.56
30.333	0.00	0.54	0.192	IO	|	|	|	0.55
30.417	0.00	0.53	0.189	IO	|	|	|	0.54
30.500	0.00	0.52	0.185	IO	|	|	|	0.53
30.583	0.00	0.51	0.182	IO	|	|	|	0.52
30.667	0.00	0.50	0.178	IO	|	|	|	0.51
30.750	0.00	0.49	0.175	IO	|	|	|	0.50
30.833	0.00	0.48	0.171	IO	|	|	|	0.49
30.917	0.00	0.47	0.168	IO	|	|	|	0.48
31.000	0.00	0.46	0.165	IO	|	|	|	0.47
31.083	0.00	0.45	0.162	IO	|	|	|	0.46
31.167	0.00	0.44	0.159	O	|	|	|	0.45
31.250	0.00	0.44	0.156	O	|	|	|	0.44
31.333	0.00	0.43	0.153	O	|	|	|	0.44
31.417	0.00	0.42	0.150	O	|	|	|	0.43
31.500	0.00	0.41	0.147	O	|	|	|	0.42
31.583	0.00	0.40	0.144	O	|	|	|	0.41
31.667	0.00	0.40	0.141	O	|	|	|	0.40
31.750	0.00	0.39	0.139	O	|	|	|	0.40
31.833	0.00	0.38	0.136	O	|	|	|	0.39
31.917	0.00	0.37	0.133	O	|	|	|	0.38
32.000	0.00	0.37	0.131	O	|	|	|	0.37
32.083	0.00	0.36	0.128	O	|	|	|	0.37
32.167	0.00	0.35	0.126	O	|	|	|	0.36
32.250	0.00	0.35	0.123	O	|	|	|	0.35
32.333	0.00	0.34	0.121	O	|	|	|	0.35
32.417	0.00	0.33	0.119	O	|	|	|	0.34
32.500	0.00	0.33	0.116	O	|	|	|	0.33
32.583	0.00	0.32	0.114	O	|	|	|	0.33
32.667	0.00	0.31	0.112	O	|	|	|	0.32
32.750	0.00	0.31	0.110	O	|	|	|	0.31
32.833	0.00	0.30	0.108	O	|	|	|	0.31
32.917	0.00	0.30	0.106	O	|	|	|	0.30
33.000	0.00	0.29	0.104	O	|	|	|	0.30
33.083	0.00	0.28	0.102	O	|	|	|	0.29
33.167	0.00	0.28	0.100	O	|	|	|	0.29
33.250	0.00	0.27	0.098	O	|	|	|	0.28
33.333	0.00	0.27	0.096	O	|	|	|	0.27
33.417	0.00	0.26	0.094	O	|	|	|	0.27
33.500	0.00	0.26	0.092	O	|	|	|	0.26
33.583	0.00	0.25	0.091	O	|	|	|	0.26
33.667	0.00	0.25	0.089	O	|	|	|	0.25

33.750	0.00	0.24	0.087	O	|	|	|	|	0.25
33.833	0.00	0.24	0.086	O	|	|	|	|	0.24
33.917	0.00	0.23	0.084	O	|	|	|	|	0.24
34.000	0.00	0.23	0.082	O	|	|	|	|	0.24
34.083	0.00	0.23	0.081	O	|	|	|	|	0.23
34.167	0.00	0.22	0.079	O	|	|	|	|	0.23
34.250	0.00	0.22	0.078	O	|	|	|	|	0.22
34.333	0.00	0.21	0.076	O	|	|	|	|	0.22
34.417	0.00	0.21	0.075	O	|	|	|	|	0.21
34.500	0.00	0.21	0.073	O	|	|	|	|	0.21
34.583	0.00	0.20	0.072	O	|	|	|	|	0.21
34.667	0.00	0.20	0.071	O	|	|	|	|	0.20
34.750	0.00	0.19	0.069	O	|	|	|	|	0.20
34.833	0.00	0.19	0.068	O	|	|	|	|	0.19
34.917	0.00	0.19	0.067	O	|	|	|	|	0.19
35.000	0.00	0.18	0.065	O	|	|	|	|	0.19
35.083	0.00	0.18	0.064	O	|	|	|	|	0.18
35.167	0.00	0.18	0.063	O	|	|	|	|	0.18
35.250	0.00	0.17	0.062	O	|	|	|	|	0.18
35.333	0.00	0.17	0.060	O	|	|	|	|	0.17
35.417	0.00	0.17	0.059	O	|	|	|	|	0.17
35.500	0.00	0.16	0.058	O	|	|	|	|	0.17
35.583	0.00	0.16	0.057	O	|	|	|	|	0.16
35.667	0.00	0.16	0.056	O	|	|	|	|	0.16
35.750	0.00	0.15	0.055	O	|	|	|	|	0.16
35.833	0.00	0.15	0.054	O	|	|	|	|	0.15
35.917	0.00	0.15	0.053	O	|	|	|	|	0.15
36.000	0.00	0.15	0.052	O	|	|	|	|	0.15
36.083	0.00	0.14	0.051	O	|	|	|	|	0.15
36.167	0.00	0.14	0.050	O	|	|	|	|	0.14
36.250	0.00	0.14	0.049	O	|	|	|	|	0.14
36.333	0.00	0.13	0.048	O	|	|	|	|	0.14
36.417	0.00	0.13	0.047	O	|	|	|	|	0.13
36.500	0.00	0.13	0.046	O	|	|	|	|	0.13
36.583	0.00	0.13	0.045	O	|	|	|	|	0.13
36.667	0.00	0.12	0.044	O	|	|	|	|	0.13
36.750	0.00	0.12	0.044	O	|	|	|	|	0.12
36.833	0.00	0.12	0.043	O	|	|	|	|	0.12
36.917	0.00	0.12	0.042	O	|	|	|	|	0.12
37.000	0.00	0.12	0.041	O	|	|	|	|	0.12
37.083	0.00	0.11	0.040	O	|	|	|	|	0.12
37.167	0.00	0.11	0.040	O	|	|	|	|	0.11
37.250	0.00	0.11	0.039	O	|	|	|	|	0.11
37.333	0.00	0.11	0.038	O	|	|	|	|	0.11
37.417	0.00	0.10	0.037	O	|	|	|	|	0.11
37.500	0.00	0.10	0.037	O	|	|	|	|	0.10
37.583	0.00	0.10	0.036	O	|	|	|	|	0.10
37.667	0.00	0.10	0.035	O	|	|	|	|	0.10
37.750	0.00	0.10	0.035	O	|	|	|	|	0.10
37.833	0.00	0.09	0.034	O	|	|	|	|	0.10
37.917	0.00	0.09	0.033	O	|	|	|	|	0.10
38.000	0.00	0.09	0.033	O	|	|	|	|	0.09
38.083	0.00	0.09	0.032	O	|	|	|	|	0.09
38.167	0.00	0.09	0.031	O	|	|	|	|	0.09
38.250	0.00	0.09	0.031	O	|	|	|	|	0.09
38.333	0.00	0.08	0.030	O	|	|	|	|	0.09
38.417	0.00	0.08	0.030	O	|	|	|	|	0.08
38.500	0.00	0.08	0.029	O	|	|	|	|	0.08
38.583	0.00	0.08	0.029	O	|	|	|	|	0.08
38.667	0.00	0.08	0.028	O	|	|	|	|	0.08
38.750	0.00	0.08	0.027	O	|	|	|	|	0.08
38.833	0.00	0.08	0.027	O	|	|	|	|	0.08
38.917	0.00	0.07	0.026	O	|	|	|	|	0.08
39.000	0.00	0.07	0.026	O	|	|	|	|	0.07
39.083	0.00	0.07	0.025	O	|	|	|	|	0.07
39.167	0.00	0.07	0.025	O	|	|	|	|	0.07
39.250	0.00	0.07	0.024	O	|	|	|	|	0.07

39.333	0.00	0.07	0.024	O	|	|	|	|	0.07
39.417	0.00	0.07	0.024	O	|	|	|	|	0.07
39.500	0.00	0.06	0.023	O	|	|	|	|	0.07
39.583	0.00	0.06	0.023	O	|	|	|	|	0.06
39.667	0.00	0.06	0.022	O	|	|	|	|	0.06
39.750	0.00	0.06	0.022	O	|	|	|	|	0.06
39.833	0.00	0.06	0.021	O	|	|	|	|	0.06
39.917	0.00	0.06	0.021	O	|	|	|	|	0.06
40.000	0.00	0.06	0.021	O	|	|	|	|	0.06
40.083	0.00	0.06	0.020	O	|	|	|	|	0.06
40.167	0.00	0.06	0.020	O	|	|	|	|	0.06
40.250	0.00	0.05	0.019	O	|	|	|	|	0.06
40.333	0.00	0.05	0.019	O	|	|	|	|	0.05
40.417	0.00	0.05	0.019	O	|	|	|	|	0.05
40.500	0.00	0.05	0.018	O	|	|	|	|	0.05
40.583	0.00	0.05	0.018	O	|	|	|	|	0.05
40.667	0.00	0.05	0.018	O	|	|	|	|	0.05
40.750	0.00	0.05	0.017	O	|	|	|	|	0.05
40.833	0.00	0.05	0.017	O	|	|	|	|	0.05
40.917	0.00	0.05	0.017	O	|	|	|	|	0.05
41.000	0.00	0.05	0.016	O	|	|	|	|	0.05
41.083	0.00	0.04	0.016	O	|	|	|	|	0.05
41.167	0.00	0.04	0.016	O	|	|	|	|	0.04
41.250	0.00	0.04	0.015	O	|	|	|	|	0.04
41.333	0.00	0.04	0.015	O	|	|	|	|	0.04
41.417	0.00	0.04	0.015	O	|	|	|	|	0.04
41.500	0.00	0.04	0.015	O	|	|	|	|	0.04
41.583	0.00	0.04	0.014	O	|	|	|	|	0.04
41.667	0.00	0.04	0.014	O	|	|	|	|	0.04
41.750	0.00	0.04	0.014	O	|	|	|	|	0.04
41.833	0.00	0.04	0.013	O	|	|	|	|	0.04
41.917	0.00	0.04	0.013	O	|	|	|	|	0.04
42.000	0.00	0.04	0.013	O	|	|	|	|	0.04
42.083	0.00	0.04	0.013	O	|	|	|	|	0.04
42.167	0.00	0.03	0.012	O	|	|	|	|	0.04
42.250	0.00	0.03	0.012	O	|	|	|	|	0.03
42.333	0.00	0.03	0.012	O	|	|	|	|	0.03
42.417	0.00	0.03	0.012	O	|	|	|	|	0.03
42.500	0.00	0.03	0.012	O	|	|	|	|	0.03
42.583	0.00	0.03	0.011	O	|	|	|	|	0.03
42.667	0.00	0.03	0.011	O	|	|	|	|	0.03
42.750	0.00	0.03	0.011	O	|	|	|	|	0.03
42.833	0.00	0.03	0.011	O	|	|	|	|	0.03
42.917	0.00	0.03	0.010	O	|	|	|	|	0.03
43.000	0.00	0.03	0.010	O	|	|	|	|	0.03
43.083	0.00	0.03	0.010	O	|	|	|	|	0.03
43.167	0.00	0.03	0.010	O	|	|	|	|	0.03
43.250	0.00	0.03	0.010	O	|	|	|	|	0.03
43.333	0.00	0.03	0.009	O	|	|	|	|	0.03
43.417	0.00	0.03	0.009	O	|	|	|	|	0.03
43.500	0.00	0.03	0.009	O	|	|	|	|	0.03
43.583	0.00	0.03	0.009	O	|	|	|	|	0.03
43.667	0.00	0.02	0.009	O	|	|	|	|	0.03
43.750	0.00	0.02	0.009	O	|	|	|	|	0.02
43.833	0.00	0.02	0.008	O	|	|	|	|	0.02
43.917	0.00	0.02	0.008	O	|	|	|	|	0.02
44.000	0.00	0.02	0.008	O	|	|	|	|	0.02
44.083	0.00	0.02	0.008	O	|	|	|	|	0.02
44.167	0.00	0.02	0.008	O	|	|	|	|	0.02
44.250	0.00	0.02	0.008	O	|	|	|	|	0.02
44.333	0.00	0.02	0.008	O	|	|	|	|	0.02
44.417	0.00	0.02	0.007	O	|	|	|	|	0.02
44.500	0.00	0.02	0.007	O	|	|	|	|	0.02
44.583	0.00	0.02	0.007	O	|	|	|	|	0.02
44.667	0.00	0.02	0.007	O	|	|	|	|	0.02
44.750	0.00	0.02	0.007	O	|	|	|	|	0.02
44.833	0.00	0.02	0.007	O	|	|	|	|	0.02

44.917	0.00	0.02	0.007	O	|	|	|	|	0.02
45.000	0.00	0.02	0.006	O	|	|	|	|	0.02
45.083	0.00	0.02	0.006	O	|	|	|	|	0.02
45.167	0.00	0.02	0.006	O	|	|	|	|	0.02
45.250	0.00	0.02	0.006	O	|	|	|	|	0.02
45.333	0.00	0.02	0.006	O	|	|	|	|	0.02
45.417	0.00	0.02	0.006	O	|	|	|	|	0.02
45.500	0.00	0.02	0.006	O	|	|	|	|	0.02
45.583	0.00	0.02	0.006	O	|	|	|	|	0.02
45.667	0.00	0.02	0.006	O	|	|	|	|	0.02
45.750	0.00	0.02	0.005	O	|	|	|	|	0.02
45.833	0.00	0.01	0.005	O	|	|	|	|	0.02
45.917	0.00	0.01	0.005	O	|	|	|	|	0.01
46.000	0.00	0.01	0.005	O	|	|	|	|	0.01
46.083	0.00	0.01	0.005	O	|	|	|	|	0.01
46.167	0.00	0.01	0.005	O	|	|	|	|	0.01
46.250	0.00	0.01	0.005	O	|	|	|	|	0.01
46.333	0.00	0.01	0.005	O	|	|	|	|	0.01
46.417	0.00	0.01	0.005	O	|	|	|	|	0.01
46.500	0.00	0.01	0.005	O	|	|	|	|	0.01
46.583	0.00	0.01	0.004	O	|	|	|	|	0.01
46.667	0.00	0.01	0.004	O	|	|	|	|	0.01
46.750	0.00	0.01	0.004	O	|	|	|	|	0.01
46.833	0.00	0.01	0.004	O	|	|	|	|	0.01
46.917	0.00	0.01	0.004	O	|	|	|	|	0.01
47.000	0.00	0.01	0.004	O	|	|	|	|	0.01
47.083	0.00	0.01	0.004	O	|	|	|	|	0.01
47.167	0.00	0.01	0.004	O	|	|	|	|	0.01
47.250	0.00	0.01	0.004	O	|	|	|	|	0.01
47.333	0.00	0.01	0.004	O	|	|	|	|	0.01
47.417	0.00	0.01	0.004	O	|	|	|	|	0.01
47.500	0.00	0.01	0.004	O	|	|	|	|	0.01
47.583	0.00	0.01	0.004	O	|	|	|	|	0.01
47.667	0.00	0.01	0.003	O	|	|	|	|	0.01
47.750	0.00	0.01	0.003	O	|	|	|	|	0.01
47.833	0.00	0.01	0.003	O	|	|	|	|	0.01
47.917	0.00	0.01	0.003	O	|	|	|	|	0.01
48.000	0.00	0.01	0.003	O	|	|	|	|	0.01
48.083	0.00	0.01	0.003	O	|	|	|	|	0.01
48.167	0.00	0.01	0.003	O	|	|	|	|	0.01
48.250	0.00	0.01	0.003	O	|	|	|	|	0.01
48.333	0.00	0.01	0.003	O	|	|	|	|	0.01
48.417	0.00	0.01	0.003	O	|	|	|	|	0.01
48.500	0.00	0.01	0.003	O	|	|	|	|	0.01
48.583	0.00	0.01	0.003	O	|	|	|	|	0.01
48.667	0.00	0.01	0.003	O	|	|	|	|	0.01
48.750	0.00	0.01	0.003	O	|	|	|	|	0.01
48.833	0.00	0.01	0.003	O	|	|	|	|	0.01
48.917	0.00	0.01	0.003	O	|	|	|	|	0.01
49.000	0.00	0.01	0.003	O	|	|	|	|	0.01
49.083	0.00	0.01	0.003	O	|	|	|	|	0.01
49.167	0.00	0.01	0.002	O	|	|	|	|	0.01
49.250	0.00	0.01	0.002	O	|	|	|	|	0.01
49.333	0.00	0.01	0.002	O	|	|	|	|	0.01
49.417	0.00	0.01	0.002	O	|	|	|	|	0.01
49.500	0.00	0.01	0.002	O	|	|	|	|	0.01
49.583	0.00	0.01	0.002	O	|	|	|	|	0.01
49.667	0.00	0.01	0.002	O	|	|	|	|	0.01
49.750	0.00	0.01	0.002	O	|	|	|	|	0.01
49.833	0.00	0.01	0.002	O	|	|	|	|	0.01
49.917	0.00	0.01	0.002	O	|	|	|	|	0.01
50.000	0.00	0.01	0.002	O	|	|	|	|	0.01
50.083	0.00	0.01	0.002	O	|	|	|	|	0.01
50.167	0.00	0.01	0.002	O	|	|	|	|	0.01
50.250	0.00	0.01	0.002	O	|	|	|	|	0.01
50.333	0.00	0.01	0.002	O	|	|	|	|	0.01
50.417	0.00	0.01	0.002	O	|	|	|	|	0.01

50.500	0.00	0.01	0.002	O	|	|	|	|	0.01
50.583	0.00	0.00	0.002	O	|	|	|	|	0.01
50.667	0.00	0.00	0.002	O	|	|	|	|	0.00
50.750	0.00	0.00	0.002	O	|	|	|	|	0.00
50.833	0.00	0.00	0.002	O	|	|	|	|	0.00
50.917	0.00	0.00	0.002	O	|	|	|	|	0.00
51.000	0.00	0.00	0.002	O	|	|	|	|	0.00
51.083	0.00	0.00	0.002	O	|	|	|	|	0.00
51.167	0.00	0.00	0.002	O	|	|	|	|	0.00
51.250	0.00	0.00	0.002	O	|	|	|	|	0.00
51.333	0.00	0.00	0.001	O	|	|	|	|	0.00
51.417	0.00	0.00	0.001	O	|	|	|	|	0.00
51.500	0.00	0.00	0.001	O	|	|	|	|	0.00
51.583	0.00	0.00	0.001	O	|	|	|	|	0.00
51.667	0.00	0.00	0.001	O	|	|	|	|	0.00
51.750	0.00	0.00	0.001	O	|	|	|	|	0.00
51.833	0.00	0.00	0.001	O	|	|	|	|	0.00
51.917	0.00	0.00	0.001	O	|	|	|	|	0.00
52.000	0.00	0.00	0.001	O	|	|	|	|	0.00
52.083	0.00	0.00	0.001	O	|	|	|	|	0.00
52.167	0.00	0.00	0.001	O	|	|	|	|	0.00
52.250	0.00	0.00	0.001	O	|	|	|	|	0.00
52.333	0.00	0.00	0.001	O	|	|	|	|	0.00
52.417	0.00	0.00	0.001	O	|	|	|	|	0.00
52.500	0.00	0.00	0.001	O	|	|	|	|	0.00
52.583	0.00	0.00	0.001	O	|	|	|	|	0.00
52.667	0.00	0.00	0.001	O	|	|	|	|	0.00
52.750	0.00	0.00	0.001	O	|	|	|	|	0.00
52.833	0.00	0.00	0.001	O	|	|	|	|	0.00
52.917	0.00	0.00	0.001	O	|	|	|	|	0.00
53.000	0.00	0.00	0.001	O	|	|	|	|	0.00
53.083	0.00	0.00	0.001	O	|	|	|	|	0.00
53.167	0.00	0.00	0.001	O	|	|	|	|	0.00
53.250	0.00	0.00	0.001	O	|	|	|	|	0.00
53.333	0.00	0.00	0.001	O	|	|	|	|	0.00
53.417	0.00	0.00	0.001	O	|	|	|	|	0.00
53.500	0.00	0.00	0.001	O	|	|	|	|	0.00
53.583	0.00	0.00	0.001	O	|	|	|	|	0.00
53.667	0.00	0.00	0.001	O	|	|	|	|	0.00
53.750	0.00	0.00	0.001	O	|	|	|	|	0.00
53.833	0.00	0.00	0.001	O	|	|	|	|	0.00
53.917	0.00	0.00	0.001	O	|	|	|	|	0.00
54.000	0.00	0.00	0.001	O	|	|	|	|	0.00
54.083	0.00	0.00	0.001	O	|	|	|	|	0.00
54.167	0.00	0.00	0.001	O	|	|	|	|	0.00
54.250	0.00	0.00	0.001	O	|	|	|	|	0.00
54.333	0.00	0.00	0.001	O	|	|	|	|	0.00
54.417	0.00	0.00	0.001	O	|	|	|	|	0.00
54.500	0.00	0.00	0.001	O	|	|	|	|	0.00
54.583	0.00	0.00	0.001	O	|	|	|	|	0.00
54.667	0.00	0.00	0.001	O	|	|	|	|	0.00
54.750	0.00	0.00	0.001	O	|	|	|	|	0.00
54.833	0.00	0.00	0.001	O	|	|	|	|	0.00
54.917	0.00	0.00	0.001	O	|	|	|	|	0.00
55.000	0.00	0.00	0.001	O	|	|	|	|	0.00
55.083	0.00	0.00	0.001	O	|	|	|	|	0.00
55.167	0.00	0.00	0.001	O	|	|	|	|	0.00
55.250	0.00	0.00	0.001	O	|	|	|	|	0.00
55.333	0.00	0.00	0.001	O	|	|	|	|	0.00
55.417	0.00	0.00	0.001	O	|	|	|	|	0.00
55.500	0.00	0.00	0.001	O	|	|	|	|	0.00
55.583	0.00	0.00	0.001	O	|	|	|	|	0.00
55.667	0.00	0.00	0.001	O	|	|	|	|	0.00
55.750	0.00	0.00	0.001	O	|	|	|	|	0.00
55.833	0.00	0.00	0.001	O	|	|	|	|	0.00
55.917	0.00	0.00	0.001	O	|	|	|	|	0.00
56.000	0.00	0.00	0.001	O	|	|	|	|	0.00

56.083	0.00	0.00	0.000	O	|	|	|	|	0.00
56.167	0.00	0.00	0.000	O	|	|	|	|	0.00
56.250	0.00	0.00	0.000	O	|	|	|	|	0.00
56.333	0.00	0.00	0.000	O	|	|	|	|	0.00
56.417	0.00	0.00	0.000	O	|	|	|	|	0.00
56.500	0.00	0.00	0.000	O	|	|	|	|	0.00
56.583	0.00	0.00	0.000	O	|	|	|	|	0.00
56.667	0.00	0.00	0.000	O	|	|	|	|	0.00
56.750	0.00	0.00	0.000	O	|	|	|	|	0.00
56.833	0.00	0.00	0.000	O	|	|	|	|	0.00
56.917	0.00	0.00	0.000	O	|	|	|	|	0.00
57.000	0.00	0.00	0.000	O	|	|	|	|	0.00
57.083	0.00	0.00	0.000	O	|	|	|	|	0.00
57.167	0.00	0.00	0.000	O	|	|	|	|	0.00
57.250	0.00	0.00	0.000	O	|	|	|	|	0.00
57.333	0.00	0.00	0.000	O	|	|	|	|	0.00
57.417	0.00	0.00	0.000	O	|	|	|	|	0.00
57.500	0.00	0.00	0.000	O	|	|	|	|	0.00
57.583	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 691
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 10.825 (CFS)
Total volume = 6.225 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/13/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRE1100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 16
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 136.030 (CFS)
Total volume = 3.929 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN E- ROUTING
100YR-1HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 16
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.350	0.980	0.347	0.353
2.000	0.770	1.960	0.763	0.777
3.000	1.260	2.540	1.251	1.269
4.000	1.800	3.010	1.790	1.810
5.000	2.410	16.920	2.352	2.468
6.000	3.070	123.450	2.645	3.495
7.000	3.800	311.150	2.729	4.871
8.000	4.590	551.930	2.689	6.491

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 34.0 68.02 102.02 136.03	Depth (Ft.)
0.083	3.07	0.03	0.010	O | | | |	0.03
0.167	8.97	0.14	0.051	O I | | | |	0.15

0.250	13.00	0.35	0.125	O I	|	|	|	|	0.36
0.333	15.88	0.62	0.221	O I	|	|	|	|	0.63
0.417	19.19	0.94	0.337	O I	|	|	|	|	0.96
0.500	24.20	1.28	0.479	O I	|	|	|	|	1.31
0.583	30.21	1.69	0.656	O I	|	|	|	|	1.73
0.667	39.45	2.09	0.883	O |	I	|	|	|	2.23
0.750	62.98	2.49	1.220	O |	I	|	|	|	2.92
0.833	136.03	4.82	1.880	|O |	|	|	|	I	4.13
0.917	134.01	50.60	2.619	| |	O	|	|	I |	5.32
1.000	51.09	**80.57**	**2.804**	**| |**	**I**	**O**	**|**	**|**	**5.60**
1.083	21.60	48.97	2.609	| I	O	|	|	|	5.30
1.167	8.97	24.90	2.459	| I O	|	|	|	|	5.07
1.250	1.48	15.68	2.356	I O	|	|	|	|	4.91
1.333	0.28	13.53	2.261	I O	|	|	|	|	4.76
1.417	0.00	11.58	2.176	I O	|	|	|	|	4.62
1.500	0.00	9.89	2.102	I O	|	|	|	|	4.49
1.583	0.00	8.45	2.039	IO	|	|	|	|	4.39
1.667	0.00	7.22	1.985	IO	|	|	|	|	4.30
1.750	0.00	6.17	1.939	IO	|	|	|	|	4.23
1.833	0.00	5.27	1.899	IO	|	|	|	|	4.16
1.917	0.00	4.50	1.865	IO	|	|	|	|	4.11
2.000	0.00	3.85	1.837	O	|	|	|	|	4.06
2.083	0.00	3.29	1.812	O	|	|	|	|	4.02
2.167	0.00	3.00	1.791	O	|	|	|	|	3.98
2.250	0.00	2.98	1.770	O	|	|	|	|	3.94
2.333	0.00	2.97	1.749	O	|	|	|	|	3.91
2.417	0.00	2.95	1.729	O	|	|	|	|	3.87
2.500	0.00	2.93	1.709	O	|	|	|	|	3.83
2.583	0.00	2.91	1.689	O	|	|	|	|	3.79
2.667	0.00	2.90	1.669	O	|	|	|	|	3.76
2.750	0.00	2.88	1.649	O	|	|	|	|	3.72
2.833	0.00	2.86	1.629	O	|	|	|	|	3.68
2.917	0.00	2.84	1.609	O	|	|	|	|	3.65
3.000	0.00	2.83	1.590	O	|	|	|	|	3.61
3.083	0.00	2.81	1.570	O	|	|	|	|	3.57
3.167	0.00	2.79	1.551	O	|	|	|	|	3.54
3.250	0.00	2.78	1.532	O	|	|	|	|	3.50
3.333	0.00	2.76	1.513	O	|	|	|	|	3.47
3.417	0.00	2.74	1.494	O	|	|	|	|	3.43
3.500	0.00	2.73	1.475	O	|	|	|	|	3.40
3.583	0.00	2.71	1.456	O	|	|	|	|	3.36
3.667	0.00	2.69	1.438	O	|	|	|	|	3.33
3.750	0.00	2.68	1.419	O	|	|	|	|	3.29
3.833	0.00	2.66	1.401	O	|	|	|	|	3.26
3.917	0.00	2.65	1.383	O	|	|	|	|	3.23
4.000	0.00	2.63	1.364	O	|	|	|	|	3.19
4.083	0.00	2.62	1.346	O	|	|	|	|	3.16
4.167	0.00	2.60	1.328	O	|	|	|	|	3.13
4.250	0.00	2.58	1.311	O	|	|	|	|	3.09
4.333	0.00	2.57	1.293	O	|	|	|	|	3.06
4.417	0.00	2.55	1.275	O	|	|	|	|	3.03
4.500	0.00	2.54	1.258	O	|	|	|	|	3.00
4.583	0.00	2.52	1.240	O	|	|	|	|	2.96
4.667	0.00	2.50	1.223	O	|	|	|	|	2.92
4.750	0.00	2.48	1.206	O	|	|	|	|	2.89
4.833	0.00	2.46	1.189	O	|	|	|	|	2.85
4.917	0.00	2.44	1.172	O	|	|	|	|	2.82
5.000	0.00	2.42	1.155	O	|	|	|	|	2.79
5.083	0.00	2.40	1.139	O	|	|	|	|	2.75
5.167	0.00	2.38	1.122	O	|	|	|	|	2.72
5.250	0.00	2.36	1.106	O	|	|	|	|	2.69
5.333	0.00	2.34	1.090	O	|	|	|	|	2.65
5.417	0.00	2.32	1.074	O	|	|	|	|	2.62
5.500	0.00	2.30	1.058	O	|	|	|	|	2.59
5.583	0.00	2.28	1.042	O	|	|	|	|	2.56
5.667	0.00	2.26	1.026	O	|	|	|	|	2.52
5.750	0.00	2.25	1.011	O	|	|	|	|	2.49

5.833	0.00	2.23	0.996	O	|	|	|	2.46
5.917	0.00	2.21	0.980	O	|	|	|	2.43
6.000	0.00	2.19	0.965	O	|	|	|	2.40
6.083	0.00	2.17	0.950	O	|	|	|	2.37
6.167	0.00	2.16	0.935	O	|	|	|	2.34
6.250	0.00	2.14	0.920	O	|	|	|	2.31
6.333	0.00	2.12	0.906	O	|	|	|	2.28
6.417	0.00	2.10	0.891	O	|	|	|	2.25
6.500	0.00	2.09	0.877	O	|	|	|	2.22
6.583	0.00	2.07	0.862	O	|	|	|	2.19
6.667	0.00	2.05	0.848	O	|	|	|	2.16
6.750	0.00	2.04	0.834	O	|	|	|	2.13
6.833	0.00	2.02	0.820	O	|	|	|	2.10
6.917	0.00	2.00	0.806	O	|	|	|	2.07
7.000	0.00	1.99	0.793	O	|	|	|	2.05
7.083	0.00	1.97	0.779	O	|	|	|	2.02
7.167	0.00	1.95	0.765	O	|	|	|	1.99
7.250	0.00	1.92	0.752	O	|	|	|	1.96
7.333	0.00	1.89	0.739	O	|	|	|	1.93
7.417	0.00	1.86	0.726	O	|	|	|	1.90
7.500	0.00	1.83	0.713	O	|	|	|	1.87
7.583	0.00	1.80	0.701	O	|	|	|	1.84
7.667	0.00	1.77	0.689	O	|	|	|	1.81
7.750	0.00	1.74	0.677	O	|	|	|	1.78
7.833	0.00	1.71	0.665	O	|	|	|	1.75
7.917	0.00	1.69	0.653	O	|	|	|	1.72
8.000	0.00	1.66	0.641	O	|	|	|	1.69
8.083	0.00	1.63	0.630	O	|	|	|	1.67
8.167	0.00	1.61	0.619	O	|	|	|	1.64
8.250	0.00	1.58	0.608	O	|	|	|	1.61
8.333	0.00	1.56	0.597	O	|	|	|	1.59
8.417	0.00	1.53	0.587	O	|	|	|	1.56
8.500	0.00	1.51	0.576	O	|	|	|	1.54
8.583	0.00	1.48	0.566	O	|	|	|	1.51
8.667	0.00	1.46	0.556	O	|	|	|	1.49
8.750	0.00	1.44	0.546	O	|	|	|	1.47
8.833	0.00	1.41	0.536	O	|	|	|	1.44
8.917	0.00	1.39	0.526	O	|	|	|	1.42
9.000	0.00	1.37	0.517	O	|	|	|	1.40
9.083	0.00	1.35	0.507	O	|	|	|	1.37
9.167	0.00	1.33	0.498	O	|	|	|	1.35
9.250	0.00	1.30	0.489	O	|	|	|	1.33
9.333	0.00	1.28	0.480	O	|	|	|	1.31
9.417	0.00	1.26	0.471	O	|	|	|	1.29
9.500	0.00	1.24	0.463	O	|	|	|	1.27
9.583	0.00	1.22	0.454	O	|	|	|	1.25
9.667	0.00	1.20	0.446	O	|	|	|	1.23
9.750	0.00	1.18	0.438	O	|	|	|	1.21
9.833	0.00	1.17	0.430	O	|	|	|	1.19
9.917	0.00	1.15	0.422	O	|	|	|	1.17
10.000	0.00	1.13	0.414	O	|	|	|	1.15
10.083	0.00	1.11	0.406	O	|	|	|	1.13
10.167	0.00	1.09	0.398	O	|	|	|	1.12
10.250	0.00	1.08	0.391	O	|	|	|	1.10
10.333	0.00	1.06	0.384	O	|	|	|	1.08
10.417	0.00	1.04	0.376	O	|	|	|	1.06
10.500	0.00	1.03	0.369	O	|	|	|	1.05
10.583	0.00	1.01	0.362	O	|	|	|	1.03
10.667	0.00	0.99	0.355	O	|	|	|	1.01
10.750	0.00	0.98	0.349	O	|	|	|	1.00
10.833	0.00	0.96	0.342	O	|	|	|	0.98
10.917	0.00	0.94	0.335	O	|	|	|	0.96
11.000	0.00	0.92	0.329	O	|	|	|	0.94
11.083	0.00	0.90	0.323	O	|	|	|	0.92
11.167	0.00	0.89	0.317	O	|	|	|	0.90
11.250	0.00	0.87	0.311	O	|	|	|	0.89
11.333	0.00	0.85	0.305	O	|	|	|	0.87

11.417	0.00	0.84	0.299	O	|	|	|	0.85
11.500	0.00	0.82	0.293	O	|	|	|	0.84
11.583	0.00	0.80	0.287	O	|	|	|	0.82
11.667	0.00	0.79	0.282	O	|	|	|	0.81
11.750	0.00	0.77	0.277	O	|	|	|	0.79
11.833	0.00	0.76	0.271	O	|	|	|	0.78
11.917	0.00	0.75	0.266	O	|	|	|	0.76
12.000	0.00	0.73	0.261	O	|	|	|	0.75
12.083	0.00	0.72	0.256	O	|	|	|	0.73
12.167	0.00	0.70	0.251	O	|	|	|	0.72
12.250	0.00	0.69	0.246	O	|	|	|	0.70
12.333	0.00	0.68	0.242	O	|	|	|	0.69
12.417	0.00	0.66	0.237	O	|	|	|	0.68
12.500	0.00	0.65	0.233	O	|	|	|	0.66
12.583	0.00	0.64	0.228	O	|	|	|	0.65
12.667	0.00	0.63	0.224	O	|	|	|	0.64
12.750	0.00	0.61	0.219	O	|	|	|	0.63
12.833	0.00	0.60	0.215	O	|	|	|	0.62
12.917	0.00	0.59	0.211	O	|	|	|	0.60
13.000	0.00	0.58	0.207	O	|	|	|	0.59
13.083	0.00	0.57	0.203	O	|	|	|	0.58
13.167	0.00	0.56	0.199	O	|	|	|	0.57
13.250	0.00	0.55	0.195	O	|	|	|	0.56
13.333	0.00	0.54	0.192	O	|	|	|	0.55
13.417	0.00	0.53	0.188	O	|	|	|	0.54
13.500	0.00	0.52	0.184	O	|	|	|	0.53
13.583	0.00	0.51	0.181	O	|	|	|	0.52
13.667	0.00	0.50	0.178	O	|	|	|	0.51
13.750	0.00	0.49	0.174	O	|	|	|	0.50
13.833	0.00	0.48	0.171	O	|	|	|	0.49
13.917	0.00	0.47	0.168	O	|	|	|	0.48
14.000	0.00	0.46	0.164	O	|	|	|	0.47
14.083	0.00	0.45	0.161	O	|	|	|	0.46
14.167	0.00	0.44	0.158	O	|	|	|	0.45
14.250	0.00	0.43	0.155	O	|	|	|	0.44
14.333	0.00	0.43	0.152	O	|	|	|	0.43
14.417	0.00	0.42	0.149	O	|	|	|	0.43
14.500	0.00	0.41	0.146	O	|	|	|	0.42
14.583	0.00	0.40	0.144	O	|	|	|	0.41
14.667	0.00	0.39	0.141	O	|	|	|	0.40
14.750	0.00	0.39	0.138	O	|	|	|	0.39
14.833	0.00	0.38	0.136	O	|	|	|	0.39
14.917	0.00	0.37	0.133	O	|	|	|	0.38
15.000	0.00	0.37	0.130	O	|	|	|	0.37
15.083	0.00	0.36	0.128	O	|	|	|	0.37
15.167	0.00	0.35	0.125	O	|	|	|	0.36
15.250	0.00	0.34	0.123	O	|	|	|	0.35
15.333	0.00	0.34	0.121	O	|	|	|	0.34
15.417	0.00	0.33	0.118	O	|	|	|	0.34
15.500	0.00	0.33	0.116	O	|	|	|	0.33
15.583	0.00	0.32	0.114	O	|	|	|	0.33
15.667	0.00	0.31	0.112	O	|	|	|	0.32
15.750	0.00	0.31	0.110	O	|	|	|	0.31
15.833	0.00	0.30	0.108	O	|	|	|	0.31
15.917	0.00	0.30	0.105	O	|	|	|	0.30
16.000	0.00	0.29	0.103	O	|	|	|	0.30
16.083	0.00	0.28	0.101	O	|	|	|	0.29
16.167	0.00	0.28	0.100	O	|	|	|	0.28
16.250	0.00	0.27	0.098	O	|	|	|	0.28
16.333	0.00	0.27	0.096	O	|	|	|	0.27
16.417	0.00	0.26	0.094	O	|	|	|	0.27
16.500	0.00	0.26	0.092	O	|	|	|	0.26
16.583	0.00	0.25	0.090	O	|	|	|	0.26
16.667	0.00	0.25	0.089	O	|	|	|	0.25
16.750	0.00	0.24	0.087	O	|	|	|	0.25
16.833	0.00	0.24	0.085	O	|	|	|	0.24
16.917	0.00	0.23	0.084	O	|	|	|	0.24

17.000	0.00	0.23	0.082	O	|	|	|	|	0.23
17.083	0.00	0.23	0.081	O	|	|	|	|	0.23
17.167	0.00	0.22	0.079	O	|	|	|	|	0.23
17.250	0.00	0.22	0.077	O	|	|	|	|	0.22
17.333	0.00	0.21	0.076	O	|	|	|	|	0.22
17.417	0.00	0.21	0.075	O	|	|	|	|	0.21
17.500	0.00	0.20	0.073	O	|	|	|	|	0.21
17.583	0.00	0.20	0.072	O	|	|	|	|	0.20
17.667	0.00	0.20	0.070	O	|	|	|	|	0.20
17.750	0.00	0.19	0.069	O	|	|	|	|	0.20
17.833	0.00	0.19	0.068	O	|	|	|	|	0.19
17.917	0.00	0.19	0.066	O	|	|	|	|	0.19
18.000	0.00	0.18	0.065	O	|	|	|	|	0.19
18.083	0.00	0.18	0.064	O	|	|	|	|	0.18
18.167	0.00	0.18	0.063	O	|	|	|	|	0.18
18.250	0.00	0.17	0.061	O	|	|	|	|	0.18
18.333	0.00	0.17	0.060	O	|	|	|	|	0.17
18.417	0.00	0.17	0.059	O	|	|	|	|	0.17
18.500	0.00	0.16	0.058	O	|	|	|	|	0.17
18.583	0.00	0.16	0.057	O	|	|	|	|	0.16
18.667	0.00	0.16	0.056	O	|	|	|	|	0.16
18.750	0.00	0.15	0.055	O	|	|	|	|	0.16
18.833	0.00	0.15	0.054	O	|	|	|	|	0.15
18.917	0.00	0.15	0.053	O	|	|	|	|	0.15
19.000	0.00	0.14	0.052	O	|	|	|	|	0.15
19.083	0.00	0.14	0.051	O	|	|	|	|	0.14
19.167	0.00	0.14	0.050	O	|	|	|	|	0.14
19.250	0.00	0.14	0.049	O	|	|	|	|	0.14
19.333	0.00	0.13	0.048	O	|	|	|	|	0.14
19.417	0.00	0.13	0.047	O	|	|	|	|	0.13
19.500	0.00	0.13	0.046	O	|	|	|	|	0.13
19.583	0.00	0.13	0.045	O	|	|	|	|	0.13
19.667	0.00	0.12	0.044	O	|	|	|	|	0.13
19.750	0.00	0.12	0.043	O	|	|	|	|	0.12
19.833	0.00	0.12	0.043	O	|	|	|	|	0.12
19.917	0.00	0.12	0.042	O	|	|	|	|	0.12
20.000	0.00	0.11	0.041	O	|	|	|	|	0.12
20.083	0.00	0.11	0.040	O	|	|	|	|	0.11
20.167	0.00	0.11	0.039	O	|	|	|	|	0.11
20.250	0.00	0.11	0.039	O	|	|	|	|	0.11
20.333	0.00	0.11	0.038	O	|	|	|	|	0.11
20.417	0.00	0.10	0.037	O	|	|	|	|	0.11
20.500	0.00	0.10	0.037	O	|	|	|	|	0.10
20.583	0.00	0.10	0.036	O	|	|	|	|	0.10
20.667	0.00	0.10	0.035	O	|	|	|	|	0.10
20.750	0.00	0.10	0.034	O	|	|	|	|	0.10
20.833	0.00	0.09	0.034	O	|	|	|	|	0.10
20.917	0.00	0.09	0.033	O	|	|	|	|	0.09
21.000	0.00	0.09	0.033	O	|	|	|	|	0.09
21.083	0.00	0.09	0.032	O	|	|	|	|	0.09
21.167	0.00	0.09	0.031	O	|	|	|	|	0.09
21.250	0.00	0.09	0.031	O	|	|	|	|	0.09
21.333	0.00	0.08	0.030	O	|	|	|	|	0.09
21.417	0.00	0.08	0.030	O	|	|	|	|	0.08
21.500	0.00	0.08	0.029	O	|	|	|	|	0.08
21.583	0.00	0.08	0.028	O	|	|	|	|	0.08
21.667	0.00	0.08	0.028	O	|	|	|	|	0.08
21.750	0.00	0.08	0.027	O	|	|	|	|	0.08
21.833	0.00	0.08	0.027	O	|	|	|	|	0.08
21.917	0.00	0.07	0.026	O	|	|	|	|	0.08
22.000	0.00	0.07	0.026	O	|	|	|	|	0.07
22.083	0.00	0.07	0.025	O	|	|	|	|	0.07
22.167	0.00	0.07	0.025	O	|	|	|	|	0.07
22.250	0.00	0.07	0.024	O	|	|	|	|	0.07
22.333	0.00	0.07	0.024	O	|	|	|	|	0.07
22.417	0.00	0.07	0.023	O	|	|	|	|	0.07
22.500	0.00	0.06	0.023	O	|	|	|	|	0.07

22.583	0.00	0.06	0.023	O	|	|	|	|	0.06
22.667	0.00	0.06	0.022	O	|	|	|	|	0.06
22.750	0.00	0.06	0.022	O	|	|	|	|	0.06
22.833	0.00	0.06	0.021	O	|	|	|	|	0.06
22.917	0.00	0.06	0.021	O	|	|	|	|	0.06
23.000	0.00	0.06	0.020	O	|	|	|	|	0.06
23.083	0.00	0.06	0.020	O	|	|	|	|	0.06
23.167	0.00	0.06	0.020	O	|	|	|	|	0.06
23.250	0.00	0.05	0.019	O	|	|	|	|	0.06
23.333	0.00	0.05	0.019	O	|	|	|	|	0.05
23.417	0.00	0.05	0.019	O	|	|	|	|	0.05
23.500	0.00	0.05	0.018	O	|	|	|	|	0.05
23.583	0.00	0.05	0.018	O	|	|	|	|	0.05
23.667	0.00	0.05	0.018	O	|	|	|	|	0.05
23.750	0.00	0.05	0.017	O	|	|	|	|	0.05
23.833	0.00	0.05	0.017	O	|	|	|	|	0.05
23.917	0.00	0.05	0.017	O	|	|	|	|	0.05
24.000	0.00	0.05	0.016	O	|	|	|	|	0.05
24.083	0.00	0.04	0.016	O	|	|	|	|	0.05
24.167	0.00	0.04	0.016	O	|	|	|	|	0.04
24.250	0.00	0.04	0.015	O	|	|	|	|	0.04
24.333	0.00	0.04	0.015	O	|	|	|	|	0.04
24.417	0.00	0.04	0.015	O	|	|	|	|	0.04
24.500	0.00	0.04	0.014	O	|	|	|	|	0.04
24.583	0.00	0.04	0.014	O	|	|	|	|	0.04
24.667	0.00	0.04	0.014	O	|	|	|	|	0.04
24.750	0.00	0.04	0.014	O	|	|	|	|	0.04
24.833	0.00	0.04	0.013	O	|	|	|	|	0.04
24.917	0.00	0.04	0.013	O	|	|	|	|	0.04
25.000	0.00	0.04	0.013	O	|	|	|	|	0.04
25.083	0.00	0.04	0.013	O	|	|	|	|	0.04
25.167	0.00	0.03	0.012	O	|	|	|	|	0.04
25.250	0.00	0.03	0.012	O	|	|	|	|	0.03
25.333	0.00	0.03	0.012	O	|	|	|	|	0.03
25.417	0.00	0.03	0.012	O	|	|	|	|	0.03
25.500	0.00	0.03	0.011	O	|	|	|	|	0.03
25.583	0.00	0.03	0.011	O	|	|	|	|	0.03
25.667	0.00	0.03	0.011	O	|	|	|	|	0.03
25.750	0.00	0.03	0.011	O	|	|	|	|	0.03
25.833	0.00	0.03	0.011	O	|	|	|	|	0.03
25.917	0.00	0.03	0.010	O	|	|	|	|	0.03
26.000	0.00	0.03	0.010	O	|	|	|	|	0.03
26.083	0.00	0.03	0.010	O	|	|	|	|	0.03
26.167	0.00	0.03	0.010	O	|	|	|	|	0.03
26.250	0.00	0.03	0.010	O	|	|	|	|	0.03
26.333	0.00	0.03	0.009	O	|	|	|	|	0.03
26.417	0.00	0.03	0.009	O	|	|	|	|	0.03
26.500	0.00	0.03	0.009	O	|	|	|	|	0.03
26.583	0.00	0.03	0.009	O	|	|	|	|	0.03
26.667	0.00	0.02	0.009	O	|	|	|	|	0.03
26.750	0.00	0.02	0.009	O	|	|	|	|	0.02
26.833	0.00	0.02	0.008	O	|	|	|	|	0.02
26.917	0.00	0.02	0.008	O	|	|	|	|	0.02
27.000	0.00	0.02	0.008	O	|	|	|	|	0.02
27.083	0.00	0.02	0.008	O	|	|	|	|	0.02
27.167	0.00	0.02	0.008	O	|	|	|	|	0.02
27.250	0.00	0.02	0.008	O	|	|	|	|	0.02
27.333	0.00	0.02	0.008	O	|	|	|	|	0.02
27.417	0.00	0.02	0.007	O	|	|	|	|	0.02
27.500	0.00	0.02	0.007	O	|	|	|	|	0.02
27.583	0.00	0.02	0.007	O	|	|	|	|	0.02
27.667	0.00	0.02	0.007	O	|	|	|	|	0.02
27.750	0.00	0.02	0.007	O	|	|	|	|	0.02
27.833	0.00	0.02	0.007	O	|	|	|	|	0.02
27.917	0.00	0.02	0.007	O	|	|	|	|	0.02
28.000	0.00	0.02	0.006	O	|	|	|	|	0.02
28.083	0.00	0.02	0.006	O	|	|	|	|	0.02

28.167	0.00	0.02	0.006	O	|	|	|	0.02
28.250	0.00	0.02	0.006	O	|	|	|	0.02
28.333	0.00	0.02	0.006	O	|	|	|	0.02
28.417	0.00	0.02	0.006	O	|	|	|	0.02
28.500	0.00	0.02	0.006	O	|	|	|	0.02
28.583	0.00	0.02	0.006	O	|	|	|	0.02
28.667	0.00	0.02	0.006	O	|	|	|	0.02
28.750	0.00	0.02	0.005	O	|	|	|	0.02
28.833	0.00	0.01	0.005	O	|	|	|	0.02
28.917	0.00	0.01	0.005	O	|	|	|	0.01
29.000	0.00	0.01	0.005	O	|	|	|	0.01
29.083	0.00	0.01	0.005	O	|	|	|	0.01
29.167	0.00	0.01	0.005	O	|	|	|	0.01
29.250	0.00	0.01	0.005	O	|	|	|	0.01
29.333	0.00	0.01	0.005	O	|	|	|	0.01
29.417	0.00	0.01	0.005	O	|	|	|	0.01
29.500	0.00	0.01	0.005	O	|	|	|	0.01
29.583	0.00	0.01	0.004	O	|	|	|	0.01
29.667	0.00	0.01	0.004	O	|	|	|	0.01
29.750	0.00	0.01	0.004	O	|	|	|	0.01
29.833	0.00	0.01	0.004	O	|	|	|	0.01
29.917	0.00	0.01	0.004	O	|	|	|	0.01
30.000	0.00	0.01	0.004	O	|	|	|	0.01
30.083	0.00	0.01	0.004	O	|	|	|	0.01
30.167	0.00	0.01	0.004	O	|	|	|	0.01
30.250	0.00	0.01	0.004	O	|	|	|	0.01
30.333	0.00	0.01	0.004	O	|	|	|	0.01
30.417	0.00	0.01	0.004	O	|	|	|	0.01
30.500	0.00	0.01	0.004	O	|	|	|	0.01
30.583	0.00	0.01	0.004	O	|	|	|	0.01
30.667	0.00	0.01	0.003	O	|	|	|	0.01
30.750	0.00	0.01	0.003	O	|	|	|	0.01
30.833	0.00	0.01	0.003	O	|	|	|	0.01
30.917	0.00	0.01	0.003	O	|	|	|	0.01
31.000	0.00	0.01	0.003	O	|	|	|	0.01
31.083	0.00	0.01	0.003	O	|	|	|	0.01
31.167	0.00	0.01	0.003	O	|	|	|	0.01
31.250	0.00	0.01	0.003	O	|	|	|	0.01
31.333	0.00	0.01	0.003	O	|	|	|	0.01
31.417	0.00	0.01	0.003	O	|	|	|	0.01
31.500	0.00	0.01	0.003	O	|	|	|	0.01
31.583	0.00	0.01	0.003	O	|	|	|	0.01
31.667	0.00	0.01	0.003	O	|	|	|	0.01
31.750	0.00	0.01	0.003	O	|	|	|	0.01
31.833	0.00	0.01	0.003	O	|	|	|	0.01
31.917	0.00	0.01	0.003	O	|	|	|	0.01
32.000	0.00	0.01	0.003	O	|	|	|	0.01
32.083	0.00	0.01	0.003	O	|	|	|	0.01
32.167	0.00	0.01	0.002	O	|	|	|	0.01
32.250	0.00	0.01	0.002	O	|	|	|	0.01
32.333	0.00	0.01	0.002	O	|	|	|	0.01
32.417	0.00	0.01	0.002	O	|	|	|	0.01
32.500	0.00	0.01	0.002	O	|	|	|	0.01
32.583	0.00	0.01	0.002	O	|	|	|	0.01
32.667	0.00	0.01	0.002	O	|	|	|	0.01
32.750	0.00	0.01	0.002	O	|	|	|	0.01
32.833	0.00	0.01	0.002	O	|	|	|	0.01
32.917	0.00	0.01	0.002	O	|	|	|	0.01
33.000	0.00	0.01	0.002	O	|	|	|	0.01
33.083	0.00	0.01	0.002	O	|	|	|	0.01
33.167	0.00	0.01	0.002	O	|	|	|	0.01
33.250	0.00	0.01	0.002	O	|	|	|	0.01
33.333	0.00	0.01	0.002	O	|	|	|	0.01
33.417	0.00	0.01	0.002	O	|	|	|	0.01
33.500	0.00	0.01	0.002	O	|	|	|	0.01
33.583	0.00	0.00	0.002	O	|	|	|	0.01
33.667	0.00	0.00	0.002	O	|	|	|	0.00

33.750	0.00	0.00	0.002	O	|	|	|	|	0.00
33.833	0.00	0.00	0.002	O	|	|	|	|	0.00
33.917	0.00	0.00	0.002	O	|	|	|	|	0.00
34.000	0.00	0.00	0.002	O	|	|	|	|	0.00
34.083	0.00	0.00	0.002	O	|	|	|	|	0.00
34.167	0.00	0.00	0.002	O	|	|	|	|	0.00
34.250	0.00	0.00	0.002	O	|	|	|	|	0.00
34.333	0.00	0.00	0.001	O	|	|	|	|	0.00
34.417	0.00	0.00	0.001	O	|	|	|	|	0.00
34.500	0.00	0.00	0.001	O	|	|	|	|	0.00
34.583	0.00	0.00	0.001	O	|	|	|	|	0.00
34.667	0.00	0.00	0.001	O	|	|	|	|	0.00
34.750	0.00	0.00	0.001	O	|	|	|	|	0.00
34.833	0.00	0.00	0.001	O	|	|	|	|	0.00
34.917	0.00	0.00	0.001	O	|	|	|	|	0.00
35.000	0.00	0.00	0.001	O	|	|	|	|	0.00
35.083	0.00	0.00	0.001	O	|	|	|	|	0.00
35.167	0.00	0.00	0.001	O	|	|	|	|	0.00
35.250	0.00	0.00	0.001	O	|	|	|	|	0.00
35.333	0.00	0.00	0.001	O	|	|	|	|	0.00
35.417	0.00	0.00	0.001	O	|	|	|	|	0.00
35.500	0.00	0.00	0.001	O	|	|	|	|	0.00
35.583	0.00	0.00	0.001	O	|	|	|	|	0.00
35.667	0.00	0.00	0.001	O	|	|	|	|	0.00
35.750	0.00	0.00	0.001	O	|	|	|	|	0.00
35.833	0.00	0.00	0.001	O	|	|	|	|	0.00
35.917	0.00	0.00	0.001	O	|	|	|	|	0.00
36.000	0.00	0.00	0.001	O	|	|	|	|	0.00
36.083	0.00	0.00	0.001	O	|	|	|	|	0.00
36.167	0.00	0.00	0.001	O	|	|	|	|	0.00
36.250	0.00	0.00	0.001	O	|	|	|	|	0.00
36.333	0.00	0.00	0.001	O	|	|	|	|	0.00
36.417	0.00	0.00	0.001	O	|	|	|	|	0.00
36.500	0.00	0.00	0.001	O	|	|	|	|	0.00
36.583	0.00	0.00	0.001	O	|	|	|	|	0.00
36.667	0.00	0.00	0.001	O	|	|	|	|	0.00
36.750	0.00	0.00	0.001	O	|	|	|	|	0.00
36.833	0.00	0.00	0.001	O	|	|	|	|	0.00
36.917	0.00	0.00	0.001	O	|	|	|	|	0.00
37.000	0.00	0.00	0.001	O	|	|	|	|	0.00
37.083	0.00	0.00	0.001	O	|	|	|	|	0.00
37.167	0.00	0.00	0.001	O	|	|	|	|	0.00
37.250	0.00	0.00	0.001	O	|	|	|	|	0.00
37.333	0.00	0.00	0.001	O	|	|	|	|	0.00
37.417	0.00	0.00	0.001	O	|	|	|	|	0.00
37.500	0.00	0.00	0.001	O	|	|	|	|	0.00
37.583	0.00	0.00	0.001	O	|	|	|	|	0.00
37.667	0.00	0.00	0.001	O	|	|	|	|	0.00
37.750	0.00	0.00	0.001	O	|	|	|	|	0.00
37.833	0.00	0.00	0.001	O	|	|	|	|	0.00
37.917	0.00	0.00	0.001	O	|	|	|	|	0.00
38.000	0.00	0.00	0.001	O	|	|	|	|	0.00
38.083	0.00	0.00	0.001	O	|	|	|	|	0.00
38.167	0.00	0.00	0.001	O	|	|	|	|	0.00
38.250	0.00	0.00	0.001	O	|	|	|	|	0.00
38.333	0.00	0.00	0.001	O	|	|	|	|	0.00
38.417	0.00	0.00	0.001	O	|	|	|	|	0.00
38.500	0.00	0.00	0.001	O	|	|	|	|	0.00
38.583	0.00	0.00	0.001	O	|	|	|	|	0.00
38.667	0.00	0.00	0.001	O	|	|	|	|	0.00
38.750	0.00	0.00	0.001	O	|	|	|	|	0.00
38.833	0.00	0.00	0.001	O	|	|	|	|	0.00
38.917	0.00	0.00	0.001	O	|	|	|	|	0.00
39.000	0.00	0.00	0.001	O	|	|	|	|	0.00
39.083	0.00	0.00	0.000	O	|	|	|	|	0.00
39.167	0.00	0.00	0.000	O	|	|	|	|	0.00
39.250	0.00	0.00	0.000	O	|	|	|	|	0.00

39.333	0.00	0.00	0.000	O	|	|	|	|	0.00
39.417	0.00	0.00	0.000	O	|	|	|	|	0.00
39.500	0.00	0.00	0.000	O	|	|	|	|	0.00
39.583	0.00	0.00	0.000	O	|	|	|	|	0.00
39.667	0.00	0.00	0.000	O	|	|	|	|	0.00
39.750	0.00	0.00	0.000	O	|	|	|	|	0.00
39.833	0.00	0.00	0.000	O	|	|	|	|	0.00
39.917	0.00	0.00	0.000	O	|	|	|	|	0.00
40.000	0.00	0.00	0.000	O	|	|	|	|	0.00
40.083	0.00	0.00	0.000	O	|	|	|	|	0.00
40.167	0.00	0.00	0.000	O	|	|	|	|	0.00
40.250	0.00	0.00	0.000	O	|	|	|	|	0.00
40.333	0.00	0.00	0.000	O	|	|	|	|	0.00
40.417	0.00	0.00	0.000	O	|	|	|	|	0.00
40.500	0.00	0.00	0.000	O	|	|	|	|	0.00

```
**************************HYDROGRAPH DATA**************************
             Number of intervals =   486
             Time interval =    5.0 (Min.)
             Maximum/Peak flow rate =       80.570 (CFS)
             Total volume =       3.928 (Ac.Ft)
       Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
       Peak (CFS)      0.000     0.000     0.000     0.000     0.000
       Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
*******************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/13/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRE3100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 40
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 71.490 (CFS)
Total volume = 4.406 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN E- PROPOSED UNIT HYDROGRAPH
100YR-3HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 40
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.350	0.980	0.347	0.353
2.000	0.770	1.960	0.763	0.777
3.000	1.260	2.540	1.251	1.269
4.000	1.800	3.010	1.790	1.810
5.000	2.410	16.920	2.352	2.468
6.000	3.070	123.450	2.645	3.495
7.000	3.800	311.150	2.729	4.871
8.000	4.590	551.930	2.689	6.491

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 17.9 35.74 53.62 71.49	Depth (Ft.)
0.083	1.86	0.02	0.006	O | | | |	0.02
0.167	4.18	0.08	0.027	OI | | | |	0.08

0.250	4.42	0.16	0.056	OI	|	|	|	|	0.16
0.333	4.86	0.24	0.086	O I	|	|	|	|	0.25
0.417	5.62	0.34	0.120	O I	|	|	|	|	0.34
0.500	6.18	0.44	0.158	O I	|	|	|	|	0.45
0.583	6.33	0.55	0.198	O I	|	|	|	|	0.57
0.667	6.39	0.67	0.238	O I	|	|	|	|	0.68
0.750	6.85	0.78	0.278	O I	|	|	|	|	0.79
0.833	6.53	0.89	0.318	O I	|	|	|	|	0.91
0.917	6.15	0.99	0.356	O I	|	|	|	|	1.01
1.000	6.53	1.08	0.392	O I	|	|	|	|	1.10
1.083	7.45	1.17	0.433	O I	|	|	|	|	1.20
1.167	8.23	1.28	0.478	O I	|	|	|	|	1.30
1.250	8.43	1.39	0.526	O I	|	|	|	|	1.42
1.333	8.24	1.50	0.574	O I	|	|	|	|	1.53
1.417	9.60	1.62	0.624	O I	|	|	|	|	1.65
1.500	12.08	1.77	0.687	O I	|	|	|	|	1.80
1.583	11.72	1.93	0.757	O I	|	|	|	|	1.97
1.667	11.69	2.02	0.824	O I	|	|	|	|	2.11
1.750	15.94	2.12	0.904	O I	|	|	|	|	2.27
1.833	18.70	2.24	1.009	|O I	|	|	|	|	2.49
1.917	17.48	2.37	1.117	|O I	|	|	|	|	2.71
2.000	16.97	2.49	1.219	|O I	|	|	|	|	2.92
2.083	17.83	2.59	1.322	|O I	|	|	|	|	3.11
2.167	23.38	2.70	1.445	|O | I	|	|	|	|	3.34
2.250	33.44	2.85	1.622	|O | I	|	|	|	|	3.67
2.333	32.64	3.63	1.827	|O | I	|	|	|	|	4.04
2.417	40.85	8.45	2.038	| O |	|	| I	|	|	4.39
2.500	60.83	14.62	2.309	| O |	|	|	| I	|	4.83
2.583	71.49	42.46	2.568	| |	|	| O	| I	|	5.24
2.667	68.05	**61.97**	**2.689**	**| | | | O I |**					**5.42**
2.750	40.66	56.53	2.655	| |	|	| I	|O |	|	5.37
2.833	17.15	36.79	2.533	| I |	O	|	|	|	5.19
2.917	11.11	20.60	2.433	| I |O	|	|	|	|	5.03
3.000	6.55	15.96	2.368	| I O|	|	|	|	|	4.93
3.083	2.31	14.28	2.294	|I O |	|	|	|	|	4.81
3.167	0.73	12.42	2.213	I O |	|	|	|	|	4.68
3.250	0.29	10.69	2.137	I O |	|	|	|	|	4.55
3.333	0.06	9.16	2.069	I O |	|	|	|	|	4.44
3.417	0.00	7.83	2.011	I O |	|	|	|	|	4.35
3.500	0.00	6.69	1.961	I O |	|	|	|	|	4.26
3.583	0.00	5.71	1.919	I O |	|	|	|	|	4.19
3.667	0.00	4.88	1.882	I O |	|	|	|	|	4.13
3.750	0.00	4.17	1.851	IO |	|	|	|	|	4.08
3.833	0.00	3.56	1.824	IO |	|	|	|	|	4.04
3.917	0.00	3.04	1.802	IO |	|	|	|	|	4.00
4.000	0.00	2.99	1.781	IO |	|	|	|	|	3.96
4.083	0.00	2.98	1.760	IO |	|	|	|	|	3.93
4.167	0.00	2.96	1.740	IO |	|	|	|	|	3.89
4.250	0.00	2.94	1.719	IO |	|	|	|	|	3.85
4.333	0.00	2.92	1.699	IO |	|	|	|	|	3.81
4.417	0.00	2.90	1.679	IO |	|	|	|	|	3.78
4.500	0.00	2.89	1.659	IO |	|	|	|	|	3.74
4.583	0.00	2.87	1.639	IO |	|	|	|	|	3.70
4.667	0.00	2.85	1.620	IO |	|	|	|	|	3.67
4.750	0.00	2.84	1.600	IO |	|	|	|	|	3.63
4.833	0.00	2.82	1.581	IO |	|	|	|	|	3.59
4.917	0.00	2.80	1.561	IO |	|	|	|	|	3.56
5.000	0.00	2.79	1.542	IO |	|	|	|	|	3.52
5.083	0.00	2.77	1.523	IO |	|	|	|	|	3.49
5.167	0.00	2.75	1.504	IO |	|	|	|	|	3.45
5.250	0.00	2.74	1.485	IO |	|	|	|	|	3.42
5.333	0.00	2.72	1.466	IO |	|	|	|	|	3.38
5.417	0.00	2.70	1.448	IO |	|	|	|	|	3.35
5.500	0.00	2.69	1.429	IO |	|	|	|	|	3.31
5.583	0.00	2.67	1.411	IO |	|	|	|	|	3.28
5.667	0.00	2.66	1.392	IO |	|	|	|	|	3.24
5.750	0.00	2.64	1.374	IO |	|	|	|	|	3.21

5.833	0.00	2.62	1.356	IO				3.18
5.917	0.00	2.61	1.338	IO				3.14
6.000	0.00	2.59	1.320	IO				3.11
6.083	0.00	2.58	1.302	IO				3.08
6.167	0.00	2.56	1.284	IO				3.05
6.250	0.00	2.55	1.267	IO				3.01
6.333	0.00	2.53	1.249	IO				2.98
6.417	0.00	2.51	1.232	IO				2.94
6.500	0.00	2.49	1.215	IO				2.91
6.583	0.00	2.47	1.198	IO				2.87
6.667	0.00	2.45	1.181	IO				2.84
6.750	0.00	2.43	1.164	IO				2.80
6.833	0.00	2.41	1.147	IO				2.77
6.917	0.00	2.39	1.131	IO				2.74
7.000	0.00	2.37	1.115	IO				2.70
7.083	0.00	2.35	1.098	IO				2.67
7.167	0.00	2.33	1.082	IO				2.64
7.250	0.00	2.31	1.066	IO				2.60
7.333	0.00	2.29	1.050	IO				2.57
7.417	0.00	2.27	1.035	IO				2.54
7.500	0.00	2.25	1.019	IO				2.51
7.583	0.00	2.24	1.004	IO				2.48
7.667	0.00	2.22	0.988	O				2.45
7.750	0.00	2.20	0.973	O				2.41
7.833	0.00	2.18	0.958	O				2.38
7.917	0.00	2.16	0.943	O				2.35
8.000	0.00	2.15	0.928	O				2.32
8.083	0.00	2.13	0.913	O				2.29
8.167	0.00	2.11	0.899	O				2.26
8.250	0.00	2.10	0.884	O				2.23
8.333	0.00	2.08	0.870	O				2.20
8.417	0.00	2.06	0.856	O				2.17
8.500	0.00	2.04	0.842	O				2.15
8.583	0.00	2.03	0.828	O				2.12
8.667	0.00	2.01	0.814	O				2.09
8.750	0.00	2.00	0.800	O				2.06
8.833	0.00	1.98	0.786	O				2.03
8.917	0.00	1.96	0.773	O				2.01
9.000	0.00	1.93	0.759	O				1.97
9.083	0.00	1.90	0.746	O				1.94
9.167	0.00	1.87	0.733	O				1.91
9.250	0.00	1.84	0.720	O				1.88
9.333	0.00	1.81	0.708	O				1.85
9.417	0.00	1.79	0.695	O				1.82
9.500	0.00	1.76	0.683	O				1.79
9.583	0.00	1.73	0.671	O				1.76
9.667	0.00	1.70	0.659	O				1.74
9.750	0.00	1.67	0.647	O				1.71
9.833	0.00	1.65	0.636	O				1.68
9.917	0.00	1.62	0.625	O				1.65
10.000	0.00	1.60	0.614	O				1.63
10.083	0.00	1.57	0.603	O				1.60
10.167	0.00	1.54	0.592	O				1.58
10.250	0.00	1.52	0.582	O				1.55
10.333	0.00	1.50	0.571	O				1.53
10.417	0.00	1.47	0.561	O				1.50
10.500	0.00	1.45	0.551	O				1.48
10.583	0.00	1.43	0.541	O				1.45
10.667	0.00	1.40	0.531	O				1.43
10.750	0.00	1.38	0.522	O				1.41
10.833	0.00	1.36	0.512	O				1.39
10.917	0.00	1.34	0.503	O				1.36
11.000	0.00	1.32	0.494	O				1.34
11.083	0.00	1.29	0.485	O				1.32
11.167	0.00	1.27	0.476	O				1.30
11.250	0.00	1.25	0.467	O				1.28
11.333	0.00	1.23	0.459	O				1.26

11.417	0.00	1.21	0.450	O	|	|	|	|	1.24
11.500	0.00	1.19	0.442	O	|	|	|	|	1.22
11.583	0.00	1.18	0.434	O	|	|	|	|	1.20
11.667	0.00	1.16	0.426	O	|	|	|	|	1.18
11.750	0.00	1.14	0.418	O	|	|	|	|	1.16
11.833	0.00	1.12	0.410	O	|	|	|	|	1.14
11.917	0.00	1.10	0.402	O	|	|	|	|	1.12
12.000	0.00	1.08	0.395	O	|	|	|	|	1.11
12.083	0.00	1.07	0.387	O	|	|	|	|	1.09
12.167	0.00	1.05	0.380	O	|	|	|	|	1.07
12.250	0.00	1.03	0.373	O	|	|	|	|	1.05
12.333	0.00	1.02	0.366	O	|	|	|	|	1.04
12.417	0.00	1.00	0.359	O	|	|	|	|	1.02
12.500	0.00	0.99	0.352	O	|	|	|	|	1.01
12.583	0.00	0.97	0.345	O	|	|	|	|	0.99
12.667	0.00	0.95	0.339	O	|	|	|	|	0.97
12.750	0.00	0.93	0.332	O	|	|	|	|	0.95
12.833	0.00	0.91	0.326	O	|	|	|	|	0.93
12.917	0.00	0.90	0.320	O	|	|	|	|	0.91
13.000	0.00	0.88	0.314	O	|	|	|	|	0.90
13.083	0.00	0.86	0.308	O	|	|	|	|	0.88
13.167	0.00	0.85	0.302	O	|	|	|	|	0.86
13.250	0.00	0.83	0.296	O	|	|	|	|	0.85
13.333	0.00	0.81	0.290	O	|	|	|	|	0.83
13.417	0.00	0.80	0.285	O	|	|	|	|	0.81
13.500	0.00	0.78	0.279	O	|	|	|	|	0.80
13.583	0.00	0.77	0.274	O	|	|	|	|	0.78
13.667	0.00	0.75	0.269	O	|	|	|	|	0.77
13.750	0.00	0.74	0.264	O	|	|	|	|	0.75
13.833	0.00	0.72	0.259	O	|	|	|	|	0.74
13.917	0.00	0.71	0.254	O	|	|	|	|	0.72
14.000	0.00	0.70	0.249	O	|	|	|	|	0.71
14.083	0.00	0.68	0.244	O	|	|	|	|	0.70
14.167	0.00	0.67	0.239	O	|	|	|	|	0.68
14.250	0.00	0.66	0.235	O	|	|	|	|	0.67
14.333	0.00	0.65	0.230	O	|	|	|	|	0.66
14.417	0.00	0.63	0.226	O	|	|	|	|	0.65
14.500	0.00	0.62	0.222	O	|	|	|	|	0.63
14.583	0.00	0.61	0.217	O	|	|	|	|	0.62
14.667	0.00	0.60	0.213	O	|	|	|	|	0.61
14.750	0.00	0.59	0.209	O	|	|	|	|	0.60
14.833	0.00	0.57	0.205	O	|	|	|	|	0.59
14.917	0.00	0.56	0.201	O	|	|	|	|	0.58
15.000	0.00	0.55	0.197	O	|	|	|	|	0.56
15.083	0.00	0.54	0.194	O	|	|	|	|	0.55
15.167	0.00	0.53	0.190	O	|	|	|	|	0.54
15.250	0.00	0.52	0.186	O	|	|	|	|	0.53
15.333	0.00	0.51	0.183	O	|	|	|	|	0.52
15.417	0.00	0.50	0.179	O	|	|	|	|	0.51
15.500	0.00	0.49	0.176	O	|	|	|	|	0.50
15.583	0.00	0.48	0.173	O	|	|	|	|	0.49
15.667	0.00	0.47	0.169	O	|	|	|	|	0.48
15.750	0.00	0.46	0.166	O	|	|	|	|	0.47
15.833	0.00	0.46	0.163	O	|	|	|	|	0.47
15.917	0.00	0.45	0.160	O	|	|	|	|	0.46
16.000	0.00	0.44	0.157	O	|	|	|	|	0.45
16.083	0.00	0.43	0.154	O	|	|	|	|	0.44
16.167	0.00	0.42	0.151	O	|	|	|	|	0.43
16.250	0.00	0.41	0.148	O	|	|	|	|	0.42
16.333	0.00	0.41	0.145	O	|	|	|	|	0.41
16.417	0.00	0.40	0.142	O	|	|	|	|	0.41
16.500	0.00	0.39	0.140	O	|	|	|	|	0.40
16.583	0.00	0.38	0.137	O	|	|	|	|	0.39
16.667	0.00	0.38	0.134	O	|	|	|	|	0.38
16.750	0.00	0.37	0.132	O	|	|	|	|	0.38
16.833	0.00	0.36	0.129	O	|	|	|	|	0.37
16.917	0.00	0.35	0.127	O	|	|	|	|	0.36

17.000	0.00	0.35	0.124	O	|	|	|	|	0.36
17.083	0.00	0.34	0.122	O	|	|	|	|	0.35
17.167	0.00	0.33	0.120	O	|	|	|	|	0.34
17.250	0.00	0.33	0.117	O	|	|	|	|	0.34
17.333	0.00	0.32	0.115	O	|	|	|	|	0.33
17.417	0.00	0.32	0.113	O	|	|	|	|	0.32
17.500	0.00	0.31	0.111	O	|	|	|	|	0.32
17.583	0.00	0.30	0.109	O	|	|	|	|	0.31
17.667	0.00	0.30	0.107	O	|	|	|	|	0.30
17.750	0.00	0.29	0.105	O	|	|	|	|	0.30
17.833	0.00	0.29	0.103	O	|	|	|	|	0.29
17.917	0.00	0.28	0.101	O	|	|	|	|	0.29
18.000	0.00	0.28	0.099	O	|	|	|	|	0.28
18.083	0.00	0.27	0.097	O	|	|	|	|	0.28
18.167	0.00	0.27	0.095	O	|	|	|	|	0.27
18.250	0.00	0.26	0.093	O	|	|	|	|	0.27
18.333	0.00	0.26	0.091	O	|	|	|	|	0.26
18.417	0.00	0.25	0.090	O	|	|	|	|	0.26
18.500	0.00	0.25	0.088	O	|	|	|	|	0.25
18.583	0.00	0.24	0.086	O	|	|	|	|	0.25
18.667	0.00	0.24	0.085	O	|	|	|	|	0.24
18.750	0.00	0.23	0.083	O	|	|	|	|	0.24
18.833	0.00	0.23	0.081	O	|	|	|	|	0.23
18.917	0.00	0.22	0.080	O	|	|	|	|	0.23
19.000	0.00	0.22	0.078	O	|	|	|	|	0.22
19.083	0.00	0.21	0.077	O	|	|	|	|	0.22
19.167	0.00	0.21	0.075	O	|	|	|	|	0.22
19.250	0.00	0.21	0.074	O	|	|	|	|	0.21
19.333	0.00	0.20	0.072	O	|	|	|	|	0.21
19.417	0.00	0.20	0.071	O	|	|	|	|	0.20
19.500	0.00	0.20	0.070	O	|	|	|	|	0.20
19.583	0.00	0.19	0.068	O	|	|	|	|	0.20
19.667	0.00	0.19	0.067	O	|	|	|	|	0.19
19.750	0.00	0.18	0.066	O	|	|	|	|	0.19
19.833	0.00	0.18	0.065	O	|	|	|	|	0.18
19.917	0.00	0.18	0.063	O	|	|	|	|	0.18
20.000	0.00	0.17	0.062	O	|	|	|	|	0.18
20.083	0.00	0.17	0.061	O	|	|	|	|	0.17
20.167	0.00	0.17	0.060	O	|	|	|	|	0.17
20.250	0.00	0.16	0.059	O	|	|	|	|	0.17
20.333	0.00	0.16	0.057	O	|	|	|	|	0.16
20.417	0.00	0.16	0.056	O	|	|	|	|	0.16
20.500	0.00	0.15	0.055	O	|	|	|	|	0.16
20.583	0.00	0.15	0.054	O	|	|	|	|	0.15
20.667	0.00	0.15	0.053	O	|	|	|	|	0.15
20.750	0.00	0.15	0.052	O	|	|	|	|	0.15
20.833	0.00	0.14	0.051	O	|	|	|	|	0.15
20.917	0.00	0.14	0.050	O	|	|	|	|	0.14
21.000	0.00	0.14	0.049	O	|	|	|	|	0.14
21.083	0.00	0.14	0.048	O	|	|	|	|	0.14
21.167	0.00	0.13	0.047	O	|	|	|	|	0.14
21.250	0.00	0.13	0.046	O	|	|	|	|	0.13
21.333	0.00	0.13	0.046	O	|	|	|	|	0.13
21.417	0.00	0.13	0.045	O	|	|	|	|	0.13
21.500	0.00	0.12	0.044	O	|	|	|	|	0.13
21.583	0.00	0.12	0.043	O	|	|	|	|	0.12
21.667	0.00	0.12	0.042	O	|	|	|	|	0.12
21.750	0.00	0.12	0.041	O	|	|	|	|	0.12
21.833	0.00	0.11	0.041	O	|	|	|	|	0.12
21.917	0.00	0.11	0.040	O	|	|	|	|	0.11
22.000	0.00	0.11	0.039	O	|	|	|	|	0.11
22.083	0.00	0.11	0.038	O	|	|	|	|	0.11
22.167	0.00	0.11	0.038	O	|	|	|	|	0.11
22.250	0.00	0.10	0.037	O	|	|	|	|	0.11
22.333	0.00	0.10	0.036	O	|	|	|	|	0.10
22.417	0.00	0.10	0.035	O	|	|	|	|	0.10
22.500	0.00	0.10	0.035	O	|	|	|	|	0.10

22.583	0.00	0.10	0.034	O	|	|	|	|	0.10
22.667	0.00	0.09	0.033	O	|	|	|	|	0.10
22.750	0.00	0.09	0.033	O	|	|	|	|	0.09
22.833	0.00	0.09	0.032	O	|	|	|	|	0.09
22.917	0.00	0.09	0.032	O	|	|	|	|	0.09
23.000	0.00	0.09	0.031	O	|	|	|	|	0.09
23.083	0.00	0.09	0.030	O	|	|	|	|	0.09
23.167	0.00	0.08	0.030	O	|	|	|	|	0.09
23.250	0.00	0.08	0.029	O	|	|	|	|	0.08
23.333	0.00	0.08	0.029	O	|	|	|	|	0.08
23.417	0.00	0.08	0.028	O	|	|	|	|	0.08
23.500	0.00	0.08	0.028	O	|	|	|	|	0.08
23.583	0.00	0.08	0.027	O	|	|	|	|	0.08
23.667	0.00	0.07	0.027	O	|	|	|	|	0.08
23.750	0.00	0.07	0.026	O	|	|	|	|	0.07
23.833	0.00	0.07	0.026	O	|	|	|	|	0.07
23.917	0.00	0.07	0.025	O	|	|	|	|	0.07
24.000	0.00	0.07	0.025	O	|	|	|	|	0.07
24.083	0.00	0.07	0.024	O	|	|	|	|	0.07
24.167	0.00	0.07	0.024	O	|	|	|	|	0.07
24.250	0.00	0.07	0.023	O	|	|	|	|	0.07
24.333	0.00	0.06	0.023	O	|	|	|	|	0.07
24.417	0.00	0.06	0.022	O	|	|	|	|	0.06
24.500	0.00	0.06	0.022	O	|	|	|	|	0.06
24.583	0.00	0.06	0.021	O	|	|	|	|	0.06
24.667	0.00	0.06	0.021	O	|	|	|	|	0.06
24.750	0.00	0.06	0.021	O	|	|	|	|	0.06
24.833	0.00	0.06	0.020	O	|	|	|	|	0.06
24.917	0.00	0.06	0.020	O	|	|	|	|	0.06
25.000	0.00	0.05	0.020	O	|	|	|	|	0.06
25.083	0.00	0.05	0.019	O	|	|	|	|	0.05
25.167	0.00	0.05	0.019	O	|	|	|	|	0.05
25.250	0.00	0.05	0.018	O	|	|	|	|	0.05
25.333	0.00	0.05	0.018	O	|	|	|	|	0.05
25.417	0.00	0.05	0.018	O	|	|	|	|	0.05
25.500	0.00	0.05	0.017	O	|	|	|	|	0.05
25.583	0.00	0.05	0.017	O	|	|	|	|	0.05
25.667	0.00	0.05	0.017	O	|	|	|	|	0.05
25.750	0.00	0.05	0.016	O	|	|	|	|	0.05
25.833	0.00	0.05	0.016	O	|	|	|	|	0.05
25.917	0.00	0.04	0.016	O	|	|	|	|	0.05
26.000	0.00	0.04	0.015	O	|	|	|	|	0.04
26.083	0.00	0.04	0.015	O	|	|	|	|	0.04
26.167	0.00	0.04	0.015	O	|	|	|	|	0.04
26.250	0.00	0.04	0.015	O	|	|	|	|	0.04
26.333	0.00	0.04	0.014	O	|	|	|	|	0.04
26.417	0.00	0.04	0.014	O	|	|	|	|	0.04
26.500	0.00	0.04	0.014	O	|	|	|	|	0.04
26.583	0.00	0.04	0.014	O	|	|	|	|	0.04
26.667	0.00	0.04	0.013	O	|	|	|	|	0.04
26.750	0.00	0.04	0.013	O	|	|	|	|	0.04
26.833	0.00	0.04	0.013	O	|	|	|	|	0.04
26.917	0.00	0.04	0.013	O	|	|	|	|	0.04
27.000	0.00	0.03	0.012	O	|	|	|	|	0.04
27.083	0.00	0.03	0.012	O	|	|	|	|	0.03
27.167	0.00	0.03	0.012	O	|	|	|	|	0.03
27.250	0.00	0.03	0.012	O	|	|	|	|	0.03
27.333	0.00	0.03	0.011	O	|	|	|	|	0.03
27.417	0.00	0.03	0.011	O	|	|	|	|	0.03
27.500	0.00	0.03	0.011	O	|	|	|	|	0.03
27.583	0.00	0.03	0.011	O	|	|	|	|	0.03
27.667	0.00	0.03	0.011	O	|	|	|	|	0.03
27.750	0.00	0.03	0.010	O	|	|	|	|	0.03
27.833	0.00	0.03	0.010	O	|	|	|	|	0.03
27.917	0.00	0.03	0.010	O	|	|	|	|	0.03
28.000	0.00	0.03	0.010	O	|	|	|	|	0.03
28.083	0.00	0.03	0.010	O	|	|	|	|	0.03

28.167	0.00	0.03	0.009	O	|	|	|	|	0.03
28.250	0.00	0.03	0.009	O	|	|	|	|	0.03
28.333	0.00	0.03	0.009	O	|	|	|	|	0.03
28.417	0.00	0.02	0.009	O	|	|	|	|	0.03
28.500	0.00	0.02	0.009	O	|	|	|	|	0.02
28.583	0.00	0.02	0.009	O	|	|	|	|	0.02
28.667	0.00	0.02	0.008	O	|	|	|	|	0.02
28.750	0.00	0.02	0.008	O	|	|	|	|	0.02
28.833	0.00	0.02	0.008	O	|	|	|	|	0.02
28.917	0.00	0.02	0.008	O	|	|	|	|	0.02
29.000	0.00	0.02	0.008	O	|	|	|	|	0.02
29.083	0.00	0.02	0.008	O	|	|	|	|	0.02
29.167	0.00	0.02	0.007	O	|	|	|	|	0.02
29.250	0.00	0.02	0.007	O	|	|	|	|	0.02
29.333	0.00	0.02	0.007	O	|	|	|	|	0.02
29.417	0.00	0.02	0.007	O	|	|	|	|	0.02
29.500	0.00	0.02	0.007	O	|	|	|	|	0.02
29.583	0.00	0.02	0.007	O	|	|	|	|	0.02
29.667	0.00	0.02	0.007	O	|	|	|	|	0.02
29.750	0.00	0.02	0.007	O	|	|	|	|	0.02
29.833	0.00	0.02	0.006	O	|	|	|	|	0.02
29.917	0.00	0.02	0.006	O	|	|	|	|	0.02
30.000	0.00	0.02	0.006	O	|	|	|	|	0.02
30.083	0.00	0.02	0.006	O	|	|	|	|	0.02
30.167	0.00	0.02	0.006	O	|	|	|	|	0.02
30.250	0.00	0.02	0.006	O	|	|	|	|	0.02
30.333	0.00	0.02	0.006	O	|	|	|	|	0.02
30.417	0.00	0.02	0.006	O	|	|	|	|	0.02
30.500	0.00	0.02	0.005	O	|	|	|	|	0.02
30.583	0.00	0.02	0.005	O	|	|	|	|	0.02
30.667	0.00	0.01	0.005	O	|	|	|	|	0.02
30.750	0.00	0.01	0.005	O	|	|	|	|	0.01
30.833	0.00	0.01	0.005	O	|	|	|	|	0.01
30.917	0.00	0.01	0.005	O	|	|	|	|	0.01
31.000	0.00	0.01	0.005	O	|	|	|	|	0.01
31.083	0.00	0.01	0.005	O	|	|	|	|	0.01
31.167	0.00	0.01	0.005	O	|	|	|	|	0.01
31.250	0.00	0.01	0.005	O	|	|	|	|	0.01
31.333	0.00	0.01	0.005	O	|	|	|	|	0.01
31.417	0.00	0.01	0.004	O	|	|	|	|	0.01
31.500	0.00	0.01	0.004	O	|	|	|	|	0.01
31.583	0.00	0.01	0.004	O	|	|	|	|	0.01
31.667	0.00	0.01	0.004	O	|	|	|	|	0.01
31.750	0.00	0.01	0.004	O	|	|	|	|	0.01
31.833	0.00	0.01	0.004	O	|	|	|	|	0.01
31.917	0.00	0.01	0.004	O	|	|	|	|	0.01
32.000	0.00	0.01	0.004	O	|	|	|	|	0.01
32.083	0.00	0.01	0.004	O	|	|	|	|	0.01
32.167	0.00	0.01	0.004	O	|	|	|	|	0.01
32.250	0.00	0.01	0.004	O	|	|	|	|	0.01
32.333	0.00	0.01	0.004	O	|	|	|	|	0.01
32.417	0.00	0.01	0.004	O	|	|	|	|	0.01
32.500	0.00	0.01	0.003	O	|	|	|	|	0.01
32.583	0.00	0.01	0.003	O	|	|	|	|	0.01
32.667	0.00	0.01	0.003	O	|	|	|	|	0.01
32.750	0.00	0.01	0.003	O	|	|	|	|	0.01
32.833	0.00	0.01	0.003	O	|	|	|	|	0.01
32.917	0.00	0.01	0.003	O	|	|	|	|	0.01
33.000	0.00	0.01	0.003	O	|	|	|	|	0.01
33.083	0.00	0.01	0.003	O	|	|	|	|	0.01
33.167	0.00	0.01	0.003	O	|	|	|	|	0.01
33.250	0.00	0.01	0.003	O	|	|	|	|	0.01
33.333	0.00	0.01	0.003	O	|	|	|	|	0.01
33.417	0.00	0.01	0.003	O	|	|	|	|	0.01
33.500	0.00	0.01	0.003	O	|	|	|	|	0.01
33.583	0.00	0.01	0.003	O	|	|	|	|	0.01
33.667	0.00	0.01	0.003	O	|	|	|	|	0.01

33.750	0.00	0.01	0.003	O	|	|	|	0.01
33.833	0.00	0.01	0.003	O	|	|	|	0.01
33.917	0.00	0.01	0.002	O	|	|	|	0.01
34.000	0.00	0.01	0.002	O	|	|	|	0.01
34.083	0.00	0.01	0.002	O	|	|	|	0.01
34.167	0.00	0.01	0.002	O	|	|	|	0.01
34.250	0.00	0.01	0.002	O	|	|	|	0.01
34.333	0.00	0.01	0.002	O	|	|	|	0.01
34.417	0.00	0.01	0.002	O	|	|	|	0.01
34.500	0.00	0.01	0.002	O	|	|	|	0.01
34.583	0.00	0.01	0.002	O	|	|	|	0.01
34.667	0.00	0.01	0.002	O	|	|	|	0.01
34.750	0.00	0.01	0.002	O	|	|	|	0.01
34.833	0.00	0.01	0.002	O	|	|	|	0.01
34.917	0.00	0.01	0.002	O	|	|	|	0.01
35.000	0.00	0.01	0.002	O	|	|	|	0.01
35.083	0.00	0.01	0.002	O	|	|	|	0.01
35.167	0.00	0.01	0.002	O	|	|	|	0.01
35.250	0.00	0.01	0.002	O	|	|	|	0.01
35.333	0.00	0.01	0.002	O	|	|	|	0.01
35.417	0.00	0.00	0.002	O	|	|	|	0.01
35.500	0.00	0.00	0.002	O	|	|	|	0.00
35.583	0.00	0.00	0.002	O	|	|	|	0.00
35.667	0.00	0.00	0.002	O	|	|	|	0.00
35.750	0.00	0.00	0.002	O	|	|	|	0.00
35.833	0.00	0.00	0.002	O	|	|	|	0.00
35.917	0.00	0.00	0.002	O	|	|	|	0.00
36.000	0.00	0.00	0.002	O	|	|	|	0.00
36.083	0.00	0.00	0.002	O	|	|	|	0.00
36.167	0.00	0.00	0.001	O	|	|	|	0.00
36.250	0.00	0.00	0.001	O	|	|	|	0.00
36.333	0.00	0.00	0.001	O	|	|	|	0.00
36.417	0.00	0.00	0.001	O	|	|	|	0.00
36.500	0.00	0.00	0.001	O	|	|	|	0.00
36.583	0.00	0.00	0.001	O	|	|	|	0.00
36.667	0.00	0.00	0.001	O	|	|	|	0.00
36.750	0.00	0.00	0.001	O	|	|	|	0.00
36.833	0.00	0.00	0.001	O	|	|	|	0.00
36.917	0.00	0.00	0.001	O	|	|	|	0.00
37.000	0.00	0.00	0.001	O	|	|	|	0.00
37.083	0.00	0.00	0.001	O	|	|	|	0.00
37.167	0.00	0.00	0.001	O	|	|	|	0.00
37.250	0.00	0.00	0.001	O	|	|	|	0.00
37.333	0.00	0.00	0.001	O	|	|	|	0.00
37.417	0.00	0.00	0.001	O	|	|	|	0.00
37.500	0.00	0.00	0.001	O	|	|	|	0.00
37.583	0.00	0.00	0.001	O	|	|	|	0.00
37.667	0.00	0.00	0.001	O	|	|	|	0.00
37.750	0.00	0.00	0.001	O	|	|	|	0.00
37.833	0.00	0.00	0.001	O	|	|	|	0.00
37.917	0.00	0.00	0.001	O	|	|	|	0.00
38.000	0.00	0.00	0.001	O	|	|	|	0.00
38.083	0.00	0.00	0.001	O	|	|	|	0.00
38.167	0.00	0.00	0.001	O	|	|	|	0.00
38.250	0.00	0.00	0.001	O	|	|	|	0.00
38.333	0.00	0.00	0.001	O	|	|	|	0.00
38.417	0.00	0.00	0.001	O	|	|	|	0.00
38.500	0.00	0.00	0.001	O	|	|	|	0.00
38.583	0.00	0.00	0.001	O	|	|	|	0.00
38.667	0.00	0.00	0.001	O	|	|	|	0.00
38.750	0.00	0.00	0.001	O	|	|	|	0.00
38.833	0.00	0.00	0.001	O	|	|	|	0.00
38.917	0.00	0.00	0.001	O	|	|	|	0.00
39.000	0.00	0.00	0.001	O	|	|	|	0.00
39.083	0.00	0.00	0.001	O	|	|	|	0.00
39.167	0.00	0.00	0.001	O	|	|	|	0.00
39.250	0.00	0.00	0.001	O	|	|	|	0.00

39.333	0.00	0.00	0.001	O	|	|	|	|	0.00
39.417	0.00	0.00	0.001	O	|	|	|	|	0.00
39.500	0.00	0.00	0.001	O	|	|	|	|	0.00
39.583	0.00	0.00	0.001	O	|	|	|	|	0.00
39.667	0.00	0.00	0.001	O	|	|	|	|	0.00
39.750	0.00	0.00	0.001	O	|	|	|	|	0.00
39.833	0.00	0.00	0.001	O	|	|	|	|	0.00
39.917	0.00	0.00	0.001	O	|	|	|	|	0.00
40.000	0.00	0.00	0.001	O	|	|	|	|	0.00
40.083	0.00	0.00	0.001	O	|	|	|	|	0.00
40.167	0.00	0.00	0.001	O	|	|	|	|	0.00
40.250	0.00	0.00	0.001	O	|	|	|	|	0.00
40.333	0.00	0.00	0.001	O	|	|	|	|	0.00
40.417	0.00	0.00	0.001	O	|	|	|	|	0.00
40.500	0.00	0.00	0.001	O	|	|	|	|	0.00
40.583	0.00	0.00	0.001	O	|	|	|	|	0.00
40.667	0.00	0.00	0.001	O	|	|	|	|	0.00
40.750	0.00	0.00	0.001	O	|	|	|	|	0.00
40.833	0.00	0.00	0.001	O	|	|	|	|	0.00
40.917	0.00	0.00	0.000	O	|	|	|	|	0.00
41.000	0.00	0.00	0.000	O	|	|	|	|	0.00
41.083	0.00	0.00	0.000	O	|	|	|	|	0.00
41.167	0.00	0.00	0.000	O	|	|	|	|	0.00
41.250	0.00	0.00	0.000	O	|	|	|	|	0.00
41.333	0.00	0.00	0.000	O	|	|	|	|	0.00
41.417	0.00	0.00	0.000	O	|	|	|	|	0.00
41.500	0.00	0.00	0.000	O	|	|	|	|	0.00
41.583	0.00	0.00	0.000	O	|	|	|	|	0.00
41.667	0.00	0.00	0.000	O	|	|	|	|	0.00
41.750	0.00	0.00	0.000	O	|	|	|	|	0.00
41.833	0.00	0.00	0.000	O	|	|	|	|	0.00
41.917	0.00	0.00	0.000	O	|	|	|	|	0.00
42.000	0.00	0.00	0.000	O	|	|	|	|	0.00
42.083	0.00	0.00	0.000	O	|	|	|	|	0.00
42.167	0.00	0.00	0.000	O	|	|	|	|	0.00
42.250	0.00	0.00	0.000	O	|	|	|	|	0.00
42.333	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 508
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 61.975 (CFS)
Total volume = 4.406 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/13/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRE6100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 76
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 71.758 (CFS)
Total volume = 6.095 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN E- ROUTING
100YR-6HR STORM

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 76
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.350	0.980	0.347	0.353
2.000	0.770	1.960	0.763	0.777
3.000	1.260	2.540	1.251	1.269
4.000	1.800	3.010	1.790	1.810
5.000	2.410	16.920	2.352	2.468
6.000	3.070	123.450	2.645	3.495
7.000	3.800	311.150	2.729	4.871
8.000	4.590	551.930	2.689	6.491

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	17.9	35.88	53.82	71.76	Depth (Ft.)
0.083	1.07	0.01	0.004	O	|	|	|	|	0.01
0.167	2.63	0.05	0.016	OI	|	|	|	|	0.05
0.250	3.20	0.10	0.036	OI	|	|	|	|	0.10

0.333	3.39	0.16	0.058	OI	|	|	|	|	0.16
0.417	3.49	0.22	0.080	OI	|	|	|	|	0.23
0.500	3.72	0.29	0.103	OI	|	|	|	|	0.29
0.583	3.99	0.36	0.127	OI	|	|	|	|	0.36
0.667	4.05	0.43	0.152	OI	|	|	|	|	0.43
0.750	4.07	0.50	0.177	OI	|	|	|	|	0.51
0.833	4.09	0.56	0.201	OI	|	|	|	|	0.58
0.917	4.09	0.63	0.225	OI	|	|	|	|	0.64
1.000	4.30	0.70	0.250	OI	|	|	|	|	0.71
1.083	4.57	0.77	0.275	O I	|	|	|	|	0.79
1.167	4.63	0.84	0.301	O I	|	|	|	|	0.86
1.250	4.66	0.92	0.327	O I	|	|	|	|	0.94
1.333	4.67	0.99	0.353	O I	|	|	|	|	1.01
1.417	4.67	1.05	0.378	O I	|	|	|	|	1.07
1.500	4.67	1.10	0.403	O I	|	|	|	|	1.13
1.583	4.67	1.16	0.427	O I	|	|	|	|	1.18
1.667	4.67	1.22	0.451	O I	|	|	|	|	1.24
1.750	4.67	1.27	0.475	O I	|	|	|	|	1.30
1.833	4.67	1.33	0.498	O I	|	|	|	|	1.35
1.917	4.67	1.38	0.521	O I	|	|	|	|	1.41
2.000	4.89	1.43	0.544	O I	|	|	|	|	1.46
2.083	4.94	1.49	0.568	O I	|	|	|	|	1.52
2.167	4.95	1.54	0.591	O I	|	|	|	|	1.57
2.250	5.18	1.60	0.615	O I	|	|	|	|	1.63
2.333	5.23	1.66	0.640	O I	|	|	|	|	1.69
2.417	5.24	1.71	0.665	O I	|	|	|	|	1.75
2.500	5.25	1.77	0.689	O I	|	|	|	|	1.81
2.583	5.25	1.83	0.712	O I	|	|	|	|	1.86
2.667	5.25	1.88	0.736	O I	|	|	|	|	1.92
2.750	5.47	1.94	0.760	O I	|	|	|	|	1.98
2.833	5.74	1.98	0.785	O I	|	|	|	|	2.03
2.917	5.80	2.01	0.811	O I	|	|	|	|	2.08
3.000	5.82	2.04	0.837	O I	|	|	|	|	2.14
3.083	5.84	2.07	0.863	O I	|	|	|	|	2.19
3.167	6.05	2.10	0.889	O I	|	|	|	|	2.24
3.250	6.32	2.13	0.918	O I	|	|	|	|	2.30
3.333	6.38	2.17	0.946	O I	|	|	|	|	2.36
3.417	6.62	2.20	0.976	O I	|	|	|	|	2.42
3.500	7.12	2.24	1.008	O I	|	|	|	|	2.49
3.583	7.66	2.28	1.043	|O I	|	|	|	|	2.56
3.667	8.02	2.33	1.082	|O I	|	|	|	|	2.64
3.750	8.33	2.38	1.122	|O I	|	|	|	|	2.72
3.833	8.64	2.43	1.164	|O I	|	|	|	|	2.80
3.917	9.13	2.48	1.208	|O I	|	|	|	|	2.89
4.000	9.67	2.53	1.255	|O I	|	|	|	|	2.99
4.083	10.49	2.58	1.307	|O I	|	|	|	|	3.09
4.167	12.08	2.63	1.367	|O I	|	|	|	|	3.20
4.250	13.84	2.69	1.438	|O I	|	|	|	|	3.33
4.333	15.66	2.77	1.521	|O I	|	|	|	|	3.48
4.417	17.53	2.85	1.616	|O I|	|	|	|	3.66
4.500	18.71	2.94	1.720	|O I	|	|	|	|	3.85
4.583	19.72	3.69	1.830	|O I	|	|	|	|	4.05
4.667	21.39	6.15	1.938	| O |I	|	|	|	|	4.23
4.750	23.18	8.50	2.041	| O | I	|	|	|	|	4.39
4.833	24.31	10.72	2.138	| O | I	|	|	|	|	4.55
4.917	25.32	12.77	2.228	| O | I	|	|	|	|	4.70
5.000	26.99	14.72	2.313	| O | I	|	|	|	|	4.84
5.083	31.52	16.83	2.406	| O| I	|	|	|	|	4.99
5.167	39.51	29.85	2.490	| | O |I	|	|	|	|	5.12
5.250	46.94	39.40	2.549	| | |O I	|	|	|	|	5.21
5.333	52.99	46.95	2.596	| | | O I|	|	|	|	|	5.28
5.417	60.23	53.85	2.639	| | | O I	|	|	|	|	5.35
5.500	71.76	62.53	2.693	| | | | O I	|	|	|	|	5.43
5.583	55.41	**63.28**	**2.697**	**| | | I O**	**|**	**|**	**|**	**|**	**5.44**
5.667	22.29	45.83	2.589	| |I | O |	|	|	|	|	5.27
5.750	10.80	24.91	2.459	| I | O |	|	|	|	|	5.07
5.833	6.14	16.15	2.376	| I O|	|	|	|	|	4.94

5.917	2.98	14.47	2.302	|I O |	|	|	|	4.82
6.000	1.83	12.71	2.225	I O |	|	|	|	4.70
6.083	0.94	11.06	2.153	I O |	|	|	|	4.58
6.167	0.27	9.54	2.086	I O |	|	|	|	4.47
6.250	0.10	8.18	2.027	I O |	|	|	|	4.37
6.333	0.03	7.00	1.975	I O |	|	|	|	4.29
6.417	0.00	5.98	1.930	I O |	|	|	|	4.21
6.500	0.00	5.11	1.892	I O |	|	|	|	4.15
6.583	0.00	4.36	1.859	IO |	|	|	|	4.10
6.667	0.00	3.73	1.832	IO |	|	|	|	4.05
6.750	0.00	3.19	1.808	IO |	|	|	|	4.01
6.833	0.00	3.00	1.786	IO |	|	|	|	3.97
6.917	0.00	2.98	1.766	IO |	|	|	|	3.94
7.000	0.00	2.96	1.745	IO |	|	|	|	3.90
7.083	0.00	2.94	1.725	IO |	|	|	|	3.86
7.167	0.00	2.93	1.705	IO |	|	|	|	3.82
7.250	0.00	2.91	1.685	IO |	|	|	|	3.79
7.333	0.00	2.89	1.665	IO |	|	|	|	3.75
7.417	0.00	2.87	1.645	IO |	|	|	|	3.71
7.500	0.00	2.86	1.625	IO |	|	|	|	3.68
7.583	0.00	2.84	1.606	IO |	|	|	|	3.64
7.667	0.00	2.82	1.586	IO |	|	|	|	3.60
7.750	0.00	2.81	1.567	IO |	|	|	|	3.57
7.833	0.00	2.79	1.547	IO |	|	|	|	3.53
7.917	0.00	2.77	1.528	IO |	|	|	|	3.50
8.000	0.00	2.76	1.509	IO |	|	|	|	3.46
8.083	0.00	2.74	1.490	IO |	|	|	|	3.43
8.167	0.00	2.72	1.471	IO |	|	|	|	3.39
8.250	0.00	2.71	1.453	IO |	|	|	|	3.36
8.333	0.00	2.69	1.434	IO |	|	|	|	3.32
8.417	0.00	2.68	1.416	IO |	|	|	|	3.29
8.500	0.00	2.66	1.397	IO |	|	|	|	3.25
8.583	0.00	2.64	1.379	IO |	|	|	|	3.22
8.667	0.00	2.63	1.361	IO |	|	|	|	3.19
8.750	0.00	2.61	1.343	IO |	|	|	|	3.15
8.833	0.00	2.60	1.325	IO |	|	|	|	3.12
8.917	0.00	2.58	1.307	IO |	|	|	|	3.09
9.000	0.00	2.57	1.289	IO |	|	|	|	3.05
9.083	0.00	2.55	1.272	IO |	|	|	|	3.02
9.167	0.00	2.53	1.254	IO |	|	|	|	2.99
9.250	0.00	2.51	1.237	IO |	|	|	|	2.95
9.333	0.00	2.49	1.220	IO |	|	|	|	2.92
9.417	0.00	2.47	1.202	IO |	|	|	|	2.88
9.500	0.00	2.45	1.186	IO |	|	|	|	2.85
9.583	0.00	2.43	1.169	IO |	|	|	|	2.81
9.667	0.00	2.41	1.152	IO |	|	|	|	2.78
9.750	0.00	2.39	1.135	IO |	|	|	|	2.75
9.833	0.00	2.37	1.119	IO |	|	|	|	2.71
9.917	0.00	2.35	1.103	IO |	|	|	|	2.68
10.000	0.00	2.33	1.087	IO |	|	|	|	2.65
10.083	0.00	2.32	1.071	IO |	|	|	|	2.61
10.167	0.00	2.30	1.055	IO |	|	|	|	2.58
10.250	0.00	2.28	1.039	IO |	|	|	|	2.55
10.333	0.00	2.26	1.023	IO |	|	|	|	2.52
10.417	0.00	2.24	1.008	O |	|	|	|	2.49
10.500	0.00	2.22	0.992	O |	|	|	|	2.45
10.583	0.00	2.21	0.977	O |	|	|	|	2.42
10.667	0.00	2.19	0.962	O |	|	|	|	2.39
10.750	0.00	2.17	0.947	O |	|	|	|	2.36
10.833	0.00	2.15	0.932	O |	|	|	|	2.33
10.917	0.00	2.13	0.917	O |	|	|	|	2.30
11.000	0.00	2.12	0.903	O |	|	|	|	2.27
11.083	0.00	2.10	0.888	O |	|	|	|	2.24
11.167	0.00	2.08	0.874	O |	|	|	|	2.21
11.250	0.00	2.07	0.860	O |	|	|	|	2.18
11.333	0.00	2.05	0.845	O |	|	|	|	2.15
11.417	0.00	2.03	0.831	O |	|	|	|	2.13

11.500	0.00	2.02	0.817	O	|	|	|	|	2.10
11.583	0.00	2.00	0.804	O	|	|	|	|	2.07
11.667	0.00	1.98	0.790	O	|	|	|	|	2.04
11.750	0.00	1.97	0.776	O	|	|	|	|	2.01
11.833	0.00	1.94	0.763	O	|	|	|	|	1.98
11.917	0.00	1.91	0.750	O	|	|	|	|	1.95
12.000	0.00	1.88	0.736	O	|	|	|	|	1.92
12.083	0.00	1.85	0.724	O	|	|	|	|	1.89
12.167	0.00	1.82	0.711	O	|	|	|	|	1.86
12.250	0.00	1.79	0.699	O	|	|	|	|	1.83
12.333	0.00	1.76	0.686	O	|	|	|	|	1.80
12.417	0.00	1.74	0.674	O	|	|	|	|	1.77
12.500	0.00	1.71	0.662	O	|	|	|	|	1.74
12.583	0.00	1.68	0.651	O	|	|	|	|	1.72
12.667	0.00	1.65	0.639	O	|	|	|	|	1.69
12.750	0.00	1.63	0.628	O	|	|	|	|	1.66
12.833	0.00	1.60	0.617	O	|	|	|	|	1.64
12.917	0.00	1.58	0.606	O	|	|	|	|	1.61
13.000	0.00	1.55	0.595	O	|	|	|	|	1.58
13.083	0.00	1.53	0.584	O	|	|	|	|	1.56
13.167	0.00	1.50	0.574	O	|	|	|	|	1.53
13.250	0.00	1.48	0.564	O	|	|	|	|	1.51
13.333	0.00	1.46	0.554	O	|	|	|	|	1.48
13.417	0.00	1.43	0.544	O	|	|	|	|	1.46
13.500	0.00	1.41	0.534	O	|	|	|	|	1.44
13.583	0.00	1.39	0.524	O	|	|	|	|	1.41
13.667	0.00	1.36	0.515	O	|	|	|	|	1.39
13.750	0.00	1.34	0.505	O	|	|	|	|	1.37
13.833	0.00	1.32	0.496	O	|	|	|	|	1.35
13.917	0.00	1.30	0.487	O	|	|	|	|	1.33
14.000	0.00	1.28	0.478	O	|	|	|	|	1.31
14.083	0.00	1.26	0.470	O	|	|	|	|	1.28
14.167	0.00	1.24	0.461	O	|	|	|	|	1.26
14.250	0.00	1.22	0.453	O	|	|	|	|	1.24
14.333	0.00	1.20	0.444	O	|	|	|	|	1.22
14.417	0.00	1.18	0.436	O	|	|	|	|	1.20
14.500	0.00	1.16	0.428	O	|	|	|	|	1.19
14.583	0.00	1.14	0.420	O	|	|	|	|	1.17
14.667	0.00	1.13	0.412	O	|	|	|	|	1.15
14.750	0.00	1.11	0.405	O	|	|	|	|	1.13
14.833	0.00	1.09	0.397	O	|	|	|	|	1.11
14.917	0.00	1.07	0.390	O	|	|	|	|	1.09
15.000	0.00	1.06	0.382	O	|	|	|	|	1.08
15.083	0.00	1.04	0.375	O	|	|	|	|	1.06
15.167	0.00	1.02	0.368	O	|	|	|	|	1.04
15.250	0.00	1.01	0.361	O	|	|	|	|	1.03
15.333	0.00	0.99	0.354	O	|	|	|	|	1.01
15.417	0.00	0.97	0.347	O	|	|	|	|	0.99
15.500	0.00	0.95	0.341	O	|	|	|	|	0.97
15.583	0.00	0.94	0.334	O	|	|	|	|	0.95
15.667	0.00	0.92	0.328	O	|	|	|	|	0.94
15.750	0.00	0.90	0.322	O	|	|	|	|	0.92
15.833	0.00	0.88	0.315	O	|	|	|	|	0.90
15.917	0.00	0.87	0.309	O	|	|	|	|	0.88
16.000	0.00	0.85	0.303	O	|	|	|	|	0.87
16.083	0.00	0.83	0.298	O	|	|	|	|	0.85
16.167	0.00	0.82	0.292	O	|	|	|	|	0.83
16.250	0.00	0.80	0.286	O	|	|	|	|	0.82
16.333	0.00	0.79	0.281	O	|	|	|	|	0.80
16.417	0.00	0.77	0.276	O	|	|	|	|	0.79
16.500	0.00	0.76	0.270	O	|	|	|	|	0.77
16.583	0.00	0.74	0.265	O	|	|	|	|	0.76
16.667	0.00	0.73	0.260	O	|	|	|	|	0.74
16.750	0.00	0.71	0.255	O	|	|	|	|	0.73
16.833	0.00	0.70	0.250	O	|	|	|	|	0.71
16.917	0.00	0.69	0.245	O	|	|	|	|	0.70
17.000	0.00	0.67	0.241	O	|	|	|	|	0.69

17.083	0.00	0.66	0.236	O	|	|	|	|	0.67
17.167	0.00	0.65	0.232	O	|	|	|	|	0.66
17.250	0.00	0.64	0.227	O	|	|	|	|	0.65
17.333	0.00	0.62	0.223	O	|	|	|	|	0.64
17.417	0.00	0.61	0.219	O	|	|	|	|	0.62
17.500	0.00	0.60	0.214	O	|	|	|	|	0.61
17.583	0.00	0.59	0.210	O	|	|	|	|	0.60
17.667	0.00	0.58	0.206	O	|	|	|	|	0.59
17.750	0.00	0.57	0.202	O	|	|	|	|	0.58
17.833	0.00	0.56	0.199	O	|	|	|	|	0.57
17.917	0.00	0.55	0.195	O	|	|	|	|	0.56
18.000	0.00	0.53	0.191	O	|	|	|	|	0.55
18.083	0.00	0.52	0.187	O	|	|	|	|	0.54
18.167	0.00	0.51	0.184	O	|	|	|	|	0.53
18.250	0.00	0.50	0.180	O	|	|	|	|	0.52
18.333	0.00	0.50	0.177	O	|	|	|	|	0.51
18.417	0.00	0.49	0.173	O	|	|	|	|	0.50
18.500	0.00	0.48	0.170	O	|	|	|	|	0.49
18.583	0.00	0.47	0.167	O	|	|	|	|	0.48
18.667	0.00	0.46	0.164	O	|	|	|	|	0.47
18.750	0.00	0.45	0.161	O	|	|	|	|	0.46
18.833	0.00	0.44	0.158	O	|	|	|	|	0.45
18.917	0.00	0.43	0.155	O	|	|	|	|	0.44
19.000	0.00	0.42	0.152	O	|	|	|	|	0.43
19.083	0.00	0.42	0.149	O	|	|	|	|	0.42
19.167	0.00	0.41	0.146	O	|	|	|	|	0.42
19.250	0.00	0.40	0.143	O	|	|	|	|	0.41
19.333	0.00	0.39	0.140	O	|	|	|	|	0.40
19.417	0.00	0.39	0.138	O	|	|	|	|	0.39
19.500	0.00	0.38	0.135	O	|	|	|	|	0.39
19.583	0.00	0.37	0.132	O	|	|	|	|	0.38
19.667	0.00	0.36	0.130	O	|	|	|	|	0.37
19.750	0.00	0.36	0.127	O	|	|	|	|	0.36
19.833	0.00	0.35	0.125	O	|	|	|	|	0.36
19.917	0.00	0.34	0.123	O	|	|	|	|	0.35
20.000	0.00	0.34	0.120	O	|	|	|	|	0.34
20.083	0.00	0.33	0.118	O	|	|	|	|	0.34
20.167	0.00	0.32	0.116	O	|	|	|	|	0.33
20.250	0.00	0.32	0.113	O	|	|	|	|	0.32
20.333	0.00	0.31	0.111	O	|	|	|	|	0.32
20.417	0.00	0.31	0.109	O	|	|	|	|	0.31
20.500	0.00	0.30	0.107	O	|	|	|	|	0.31
20.583	0.00	0.29	0.105	O	|	|	|	|	0.30
20.667	0.00	0.29	0.103	O	|	|	|	|	0.29
20.750	0.00	0.28	0.101	O	|	|	|	|	0.29
20.833	0.00	0.28	0.099	O	|	|	|	|	0.28
20.917	0.00	0.27	0.097	O	|	|	|	|	0.28
21.000	0.00	0.27	0.095	O	|	|	|	|	0.27
21.083	0.00	0.26	0.094	O	|	|	|	|	0.27
21.167	0.00	0.26	0.092	O	|	|	|	|	0.26
21.250	0.00	0.25	0.090	O	|	|	|	|	0.26
21.333	0.00	0.25	0.088	O	|	|	|	|	0.25
21.417	0.00	0.24	0.087	O	|	|	|	|	0.25
21.500	0.00	0.24	0.085	O	|	|	|	|	0.24
21.583	0.00	0.23	0.083	O	|	|	|	|	0.24
21.667	0.00	0.23	0.082	O	|	|	|	|	0.23
21.750	0.00	0.22	0.080	O	|	|	|	|	0.23
21.833	0.00	0.22	0.079	O	|	|	|	|	0.22
21.917	0.00	0.22	0.077	O	|	|	|	|	0.22
22.000	0.00	0.21	0.076	O	|	|	|	|	0.22
22.083	0.00	0.21	0.074	O	|	|	|	|	0.21
22.167	0.00	0.20	0.073	O	|	|	|	|	0.21
22.250	0.00	0.20	0.071	O	|	|	|	|	0.20
22.333	0.00	0.20	0.070	O	|	|	|	|	0.20
22.417	0.00	0.19	0.069	O	|	|	|	|	0.20
22.500	0.00	0.19	0.067	O	|	|	|	|	0.19
22.583	0.00	0.19	0.066	O	|	|	|	|	0.19

22.667	0.00	0.18	0.065	O	|	|	|	|	0.19
22.750	0.00	0.18	0.064	O	|	|	|	|	0.18
22.833	0.00	0.17	0.062	O	|	|	|	|	0.18
22.917	0.00	0.17	0.061	O	|	|	|	|	0.17
23.000	0.00	0.17	0.060	O	|	|	|	|	0.17
23.083	0.00	0.16	0.059	O	|	|	|	|	0.17
23.167	0.00	0.16	0.058	O	|	|	|	|	0.17
23.250	0.00	0.16	0.057	O	|	|	|	|	0.16
23.333	0.00	0.16	0.056	O	|	|	|	|	0.16
23.417	0.00	0.15	0.055	O	|	|	|	|	0.16
23.500	0.00	0.15	0.053	O	|	|	|	|	0.15
23.583	0.00	0.15	0.052	O	|	|	|	|	0.15
23.667	0.00	0.14	0.051	O	|	|	|	|	0.15
23.750	0.00	0.14	0.050	O	|	|	|	|	0.14
23.833	0.00	0.14	0.050	O	|	|	|	|	0.14
23.917	0.00	0.14	0.049	O	|	|	|	|	0.14
24.000	0.00	0.13	0.048	O	|	|	|	|	0.14
24.083	0.00	0.13	0.047	O	|	|	|	|	0.13
24.167	0.00	0.13	0.046	O	|	|	|	|	0.13
24.250	0.00	0.13	0.045	O	|	|	|	|	0.13
24.333	0.00	0.12	0.044	O	|	|	|	|	0.13
24.417	0.00	0.12	0.043	O	|	|	|	|	0.12
24.500	0.00	0.12	0.042	O	|	|	|	|	0.12
24.583	0.00	0.12	0.042	O	|	|	|	|	0.12
24.667	0.00	0.11	0.041	O	|	|	|	|	0.12
24.750	0.00	0.11	0.040	O	|	|	|	|	0.11
24.833	0.00	0.11	0.039	O	|	|	|	|	0.11
24.917	0.00	0.11	0.039	O	|	|	|	|	0.11
25.000	0.00	0.11	0.038	O	|	|	|	|	0.11
25.083	0.00	0.10	0.037	O	|	|	|	|	0.11
25.167	0.00	0.10	0.036	O	|	|	|	|	0.10
25.250	0.00	0.10	0.036	O	|	|	|	|	0.10
25.333	0.00	0.10	0.035	O	|	|	|	|	0.10
25.417	0.00	0.10	0.034	O	|	|	|	|	0.10
25.500	0.00	0.09	0.034	O	|	|	|	|	0.10
25.583	0.00	0.09	0.033	O	|	|	|	|	0.09
25.667	0.00	0.09	0.032	O	|	|	|	|	0.09
25.750	0.00	0.09	0.032	O	|	|	|	|	0.09
25.833	0.00	0.09	0.031	O	|	|	|	|	0.09
25.917	0.00	0.09	0.031	O	|	|	|	|	0.09
26.000	0.00	0.08	0.030	O	|	|	|	|	0.09
26.083	0.00	0.08	0.029	O	|	|	|	|	0.08
26.167	0.00	0.08	0.029	O	|	|	|	|	0.08
26.250	0.00	0.08	0.028	O	|	|	|	|	0.08
26.333	0.00	0.08	0.028	O	|	|	|	|	0.08
26.417	0.00	0.08	0.027	O	|	|	|	|	0.08
26.500	0.00	0.07	0.027	O	|	|	|	|	0.08
26.583	0.00	0.07	0.026	O	|	|	|	|	0.07
26.667	0.00	0.07	0.026	O	|	|	|	|	0.07
26.750	0.00	0.07	0.025	O	|	|	|	|	0.07
26.833	0.00	0.07	0.025	O	|	|	|	|	0.07
26.917	0.00	0.07	0.024	O	|	|	|	|	0.07
27.000	0.00	0.07	0.024	O	|	|	|	|	0.07
27.083	0.00	0.07	0.023	O	|	|	|	|	0.07
27.167	0.00	0.06	0.023	O	|	|	|	|	0.07
27.250	0.00	0.06	0.022	O	|	|	|	|	0.06
27.333	0.00	0.06	0.022	O	|	|	|	|	0.06
27.417	0.00	0.06	0.022	O	|	|	|	|	0.06
27.500	0.00	0.06	0.021	O	|	|	|	|	0.06
27.583	0.00	0.06	0.021	O	|	|	|	|	0.06
27.667	0.00	0.06	0.020	O	|	|	|	|	0.06
27.750	0.00	0.06	0.020	O	|	|	|	|	0.06
27.833	0.00	0.05	0.020	O	|	|	|	|	0.06
27.917	0.00	0.05	0.019	O	|	|	|	|	0.06
28.000	0.00	0.05	0.019	O	|	|	|	|	0.05
28.083	0.00	0.05	0.019	O	|	|	|	|	0.05
28.167	0.00	0.05	0.018	O	|	|	|	|	0.05

28.250	0.00	0.05	0.018	O	|	|	|	0.05
28.333	0.00	0.05	0.017	O	|	|	|	0.05
28.417	0.00	0.05	0.017	O	|	|	|	0.05
28.500	0.00	0.05	0.017	O	|	|	|	0.05
28.583	0.00	0.05	0.016	O	|	|	|	0.05
28.667	0.00	0.05	0.016	O	|	|	|	0.05
28.750	0.00	0.04	0.016	O	|	|	|	0.05
28.833	0.00	0.04	0.016	O	|	|	|	0.04
28.917	0.00	0.04	0.015	O	|	|	|	0.04
29.000	0.00	0.04	0.015	O	|	|	|	0.04
29.083	0.00	0.04	0.015	O	|	|	|	0.04
29.167	0.00	0.04	0.014	O	|	|	|	0.04
29.250	0.00	0.04	0.014	O	|	|	|	0.04
29.333	0.00	0.04	0.014	O	|	|	|	0.04
29.417	0.00	0.04	0.014	O	|	|	|	0.04
29.500	0.00	0.04	0.013	O	|	|	|	0.04
29.583	0.00	0.04	0.013	O	|	|	|	0.04
29.667	0.00	0.04	0.013	O	|	|	|	0.04
29.750	0.00	0.04	0.013	O	|	|	|	0.04
29.833	0.00	0.03	0.012	O	|	|	|	0.04
29.917	0.00	0.03	0.012	O	|	|	|	0.03
30.000	0.00	0.03	0.012	O	|	|	|	0.03
30.083	0.00	0.03	0.012	O	|	|	|	0.03
30.167	0.00	0.03	0.011	O	|	|	|	0.03
30.250	0.00	0.03	0.011	O	|	|	|	0.03
30.333	0.00	0.03	0.011	O	|	|	|	0.03
30.417	0.00	0.03	0.011	O	|	|	|	0.03
30.500	0.00	0.03	0.011	O	|	|	|	0.03
30.583	0.00	0.03	0.010	O	|	|	|	0.03
30.667	0.00	0.03	0.010	O	|	|	|	0.03
30.750	0.00	0.03	0.010	O	|	|	|	0.03
30.833	0.00	0.03	0.010	O	|	|	|	0.03
30.917	0.00	0.03	0.010	O	|	|	|	0.03
31.000	0.00	0.03	0.009	O	|	|	|	0.03
31.083	0.00	0.03	0.009	O	|	|	|	0.03
31.167	0.00	0.03	0.009	O	|	|	|	0.03
31.250	0.00	0.02	0.009	O	|	|	|	0.03
31.333	0.00	0.02	0.009	O	|	|	|	0.02
31.417	0.00	0.02	0.009	O	|	|	|	0.02
31.500	0.00	0.02	0.008	O	|	|	|	0.02
31.583	0.00	0.02	0.008	O	|	|	|	0.02
31.667	0.00	0.02	0.008	O	|	|	|	0.02
31.750	0.00	0.02	0.008	O	|	|	|	0.02
31.833	0.00	0.02	0.008	O	|	|	|	0.02
31.917	0.00	0.02	0.008	O	|	|	|	0.02
32.000	0.00	0.02	0.007	O	|	|	|	0.02
32.083	0.00	0.02	0.007	O	|	|	|	0.02
32.167	0.00	0.02	0.007	O	|	|	|	0.02
32.250	0.00	0.02	0.007	O	|	|	|	0.02
32.333	0.00	0.02	0.007	O	|	|	|	0.02
32.417	0.00	0.02	0.007	O	|	|	|	0.02
32.500	0.00	0.02	0.007	O	|	|	|	0.02
32.583	0.00	0.02	0.007	O	|	|	|	0.02
32.667	0.00	0.02	0.006	O	|	|	|	0.02
32.750	0.00	0.02	0.006	O	|	|	|	0.02
32.833	0.00	0.02	0.006	O	|	|	|	0.02
32.917	0.00	0.02	0.006	O	|	|	|	0.02
33.000	0.00	0.02	0.006	O	|	|	|	0.02
33.083	0.00	0.02	0.006	O	|	|	|	0.02
33.167	0.00	0.02	0.006	O	|	|	|	0.02
33.250	0.00	0.02	0.006	O	|	|	|	0.02
33.333	0.00	0.02	0.005	O	|	|	|	0.02
33.417	0.00	0.02	0.005	O	|	|	|	0.02
33.500	0.00	0.01	0.005	O	|	|	|	0.02
33.583	0.00	0.01	0.005	O	|	|	|	0.01
33.667	0.00	0.01	0.005	O	|	|	|	0.01
33.750	0.00	0.01	0.005	O	|	|	|	0.01

33.833	0.00	0.01	0.005	O	|	|	|	|	0.01
33.917	0.00	0.01	0.005	O	|	|	|	|	0.01
34.000	0.00	0.01	0.005	O	|	|	|	|	0.01
34.083	0.00	0.01	0.005	O	|	|	|	|	0.01
34.167	0.00	0.01	0.005	O	|	|	|	|	0.01
34.250	0.00	0.01	0.004	O	|	|	|	|	0.01
34.333	0.00	0.01	0.004	O	|	|	|	|	0.01
34.417	0.00	0.01	0.004	O	|	|	|	|	0.01
34.500	0.00	0.01	0.004	O	|	|	|	|	0.01
34.583	0.00	0.01	0.004	O	|	|	|	|	0.01
34.667	0.00	0.01	0.004	O	|	|	|	|	0.01
34.750	0.00	0.01	0.004	O	|	|	|	|	0.01
34.833	0.00	0.01	0.004	O	|	|	|	|	0.01
34.917	0.00	0.01	0.004	O	|	|	|	|	0.01
35.000	0.00	0.01	0.004	O	|	|	|	|	0.01
35.083	0.00	0.01	0.004	O	|	|	|	|	0.01
35.167	0.00	0.01	0.004	O	|	|	|	|	0.01
35.250	0.00	0.01	0.004	O	|	|	|	|	0.01
35.333	0.00	0.01	0.003	O	|	|	|	|	0.01
35.417	0.00	0.01	0.003	O	|	|	|	|	0.01
35.500	0.00	0.01	0.003	O	|	|	|	|	0.01
35.583	0.00	0.01	0.003	O	|	|	|	|	0.01
35.667	0.00	0.01	0.003	O	|	|	|	|	0.01
35.750	0.00	0.01	0.003	O	|	|	|	|	0.01
35.833	0.00	0.01	0.003	O	|	|	|	|	0.01
35.917	0.00	0.01	0.003	O	|	|	|	|	0.01
36.000	0.00	0.01	0.003	O	|	|	|	|	0.01
36.083	0.00	0.01	0.003	O	|	|	|	|	0.01
36.167	0.00	0.01	0.003	O	|	|	|	|	0.01
36.250	0.00	0.01	0.003	O	|	|	|	|	0.01
36.333	0.00	0.01	0.003	O	|	|	|	|	0.01
36.417	0.00	0.01	0.003	O	|	|	|	|	0.01
36.500	0.00	0.01	0.003	O	|	|	|	|	0.01
36.583	0.00	0.01	0.003	O	|	|	|	|	0.01
36.667	0.00	0.01	0.003	O	|	|	|	|	0.01
36.750	0.00	0.01	0.002	O	|	|	|	|	0.01
36.833	0.00	0.01	0.002	O	|	|	|	|	0.01
36.917	0.00	0.01	0.002	O	|	|	|	|	0.01
37.000	0.00	0.01	0.002	O	|	|	|	|	0.01
37.083	0.00	0.01	0.002	O	|	|	|	|	0.01
37.167	0.00	0.01	0.002	O	|	|	|	|	0.01
37.250	0.00	0.01	0.002	O	|	|	|	|	0.01
37.333	0.00	0.01	0.002	O	|	|	|	|	0.01
37.417	0.00	0.01	0.002	O	|	|	|	|	0.01
37.500	0.00	0.01	0.002	O	|	|	|	|	0.01
37.583	0.00	0.01	0.002	O	|	|	|	|	0.01
37.667	0.00	0.01	0.002	O	|	|	|	|	0.01
37.750	0.00	0.01	0.002	O	|	|	|	|	0.01
37.833	0.00	0.01	0.002	O	|	|	|	|	0.01
37.917	0.00	0.01	0.002	O	|	|	|	|	0.01
38.000	0.00	0.01	0.002	O	|	|	|	|	0.01
38.083	0.00	0.01	0.002	O	|	|	|	|	0.01
38.167	0.00	0.01	0.002	O	|	|	|	|	0.01
38.250	0.00	0.00	0.002	O	|	|	|	|	0.01
38.333	0.00	0.00	0.002	O	|	|	|	|	0.00
38.417	0.00	0.00	0.002	O	|	|	|	|	0.00
38.500	0.00	0.00	0.002	O	|	|	|	|	0.00
38.583	0.00	0.00	0.002	O	|	|	|	|	0.00
38.667	0.00	0.00	0.002	O	|	|	|	|	0.00
38.750	0.00	0.00	0.002	O	|	|	|	|	0.00
38.833	0.00	0.00	0.002	O	|	|	|	|	0.00
38.917	0.00	0.00	0.002	O	|	|	|	|	0.00
39.000	0.00	0.00	0.001	O	|	|	|	|	0.00
39.083	0.00	0.00	0.001	O	|	|	|	|	0.00
39.167	0.00	0.00	0.001	O	|	|	|	|	0.00
39.250	0.00	0.00	0.001	O	|	|	|	|	0.00
39.333	0.00	0.00	0.001	O	|	|	|	|	0.00

39.417	0.00	0.00	0.001	O				0.00
39.500	0.00	0.00	0.001	O				0.00
39.583	0.00	0.00	0.001	O				0.00
39.667	0.00	0.00	0.001	O				0.00
39.750	0.00	0.00	0.001	O				0.00
39.833	0.00	0.00	0.001	O				0.00
39.917	0.00	0.00	0.001	O				0.00
40.000	0.00	0.00	0.001	O				0.00
40.083	0.00	0.00	0.001	O				0.00
40.167	0.00	0.00	0.001	O				0.00
40.250	0.00	0.00	0.001	O				0.00
40.333	0.00	0.00	0.001	O				0.00
40.417	0.00	0.00	0.001	O				0.00
40.500	0.00	0.00	0.001	O				0.00
40.583	0.00	0.00	0.001	O				0.00
40.667	0.00	0.00	0.001	O				0.00
40.750	0.00	0.00	0.001	O				0.00
40.833	0.00	0.00	0.001	O				0.00
40.917	0.00	0.00	0.001	O				0.00
41.000	0.00	0.00	0.001	O				0.00
41.083	0.00	0.00	0.001	O				0.00
41.167	0.00	0.00	0.001	O				0.00
41.250	0.00	0.00	0.001	O				0.00
41.333	0.00	0.00	0.001	O				0.00
41.417	0.00	0.00	0.001	O				0.00
41.500	0.00	0.00	0.001	O				0.00
41.583	0.00	0.00	0.001	O				0.00
41.667	0.00	0.00	0.001	O				0.00
41.750	0.00	0.00	0.001	O				0.00
41.833	0.00	0.00	0.001	O				0.00
41.917	0.00	0.00	0.001	O				0.00
42.000	0.00	0.00	0.001	O				0.00
42.083	0.00	0.00	0.001	O				0.00
42.167	0.00	0.00	0.001	O				0.00
42.250	0.00	0.00	0.001	O				0.00
42.333	0.00	0.00	0.001	O				0.00
42.417	0.00	0.00	0.001	O				0.00
42.500	0.00	0.00	0.001	O				0.00
42.583	0.00	0.00	0.001	O				0.00
42.667	0.00	0.00	0.001	O				0.00
42.750	0.00	0.00	0.001	O				0.00
42.833	0.00	0.00	0.001	O				0.00
42.917	0.00	0.00	0.001	O				0.00
43.000	0.00	0.00	0.001	O				0.00
43.083	0.00	0.00	0.001	O				0.00
43.167	0.00	0.00	0.001	O				0.00
43.250	0.00	0.00	0.001	O				0.00
43.333	0.00	0.00	0.001	O				0.00
43.417	0.00	0.00	0.001	O				0.00
43.500	0.00	0.00	0.001	O				0.00
43.583	0.00	0.00	0.001	O				0.00
43.667	0.00	0.00	0.001	O				0.00
43.750	0.00	0.00	0.000	O				0.00
43.833	0.00	0.00	0.000	O				0.00
43.917	0.00	0.00	0.000	O				0.00
44.000	0.00	0.00	0.000	O				0.00
44.083	0.00	0.00	0.000	O				0.00
44.167	0.00	0.00	0.000	O				0.00
44.250	0.00	0.00	0.000	O				0.00
44.333	0.00	0.00	0.000	O				0.00
44.417	0.00	0.00	0.000	O				0.00
44.500	0.00	0.00	0.000	O				0.00
44.583	0.00	0.00	0.000	O				0.00
44.667	0.00	0.00	0.000	O				0.00
44.750	0.00	0.00	0.000	O				0.00
44.833	0.00	0.00	0.000	O				0.00
44.917	0.00	0.00	0.000	O				0.00

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45.000    0.00    0.00      0.000  O       |       |       |       |     0.00
45.083    0.00    0.00      0.000  O       |       |       |       |     0.00
45.167    0.00    0.00      0.000  O       |       |       |       |     0.00

      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =   542
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =       63.283 (CFS)
                  Total volume =       6.095 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ***********************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/13/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRE24100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 292
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 32.166 (CFS)
Total volume = 12.385 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN E- PROPOSED UNIT HYDROGRAPH
100YR-24HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 292
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.350	0.980	0.347	0.353
2.000	0.770	1.960	0.763	0.777
3.000	1.260	2.540	1.251	1.269
4.000	1.800	3.010	1.790	1.810
5.000	2.410	16.920	2.352	2.468
6.000	3.070	123.450	2.645	3.495
7.000	3.800	311.150	2.729	4.871
8.000	4.590	551.930	2.689	6.491

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	8.0	16.08	24.12	32.17	Depth (Ft.)
0.083	0.33	0.00	0.001	O	|	|	|	|	0.00
0.167	0.75	0.01	0.005	O	|	|	|	|	0.01

0.250	0.84	0.03	0.010	O	|	|	|	0.03
0.333	1.05	0.05	0.016	OI	|	|	|	0.05
0.417	1.28	0.07	0.024	OI	|	|	|	0.07
0.500	1.33	0.09	0.033	OI	|	|	|	0.09
0.583	1.35	0.11	0.041	OI	|	|	|	0.12
0.667	1.36	0.14	0.050	OI	|	|	|	0.14
0.750	1.36	0.16	0.058	OI	|	|	|	0.17
0.833	1.53	0.19	0.067	OI	|	|	|	0.19
0.917	1.74	0.21	0.077	OI	|	|	|	0.22
1.000	1.78	0.24	0.087	OI	|	|	|	0.25
1.083	1.64	0.27	0.097	OI	|	|	|	0.28
1.167	1.44	0.30	0.106	OI	|	|	|	0.30
1.250	1.39	0.32	0.113	OI	|	|	|	0.32
1.333	1.37	0.34	0.121	OI	|	|	|	0.34
1.417	1.36	0.36	0.128	OI	|	|	|	0.36
1.500	1.36	0.38	0.135	OI	|	|	|	0.38
1.583	1.36	0.40	0.141	OI	|	|	|	0.40
1.667	1.36	0.41	0.148	OI	|	|	|	0.42
1.750	1.36	0.43	0.154	OI	|	|	|	0.44
1.833	1.53	0.45	0.161	OI	|	|	|	0.46
1.917	1.74	0.47	0.169	OI	|	|	|	0.48
2.000	1.78	0.50	0.178	OI	|	|	|	0.51
2.083	1.80	0.52	0.187	OI	|	|	|	0.53
2.167	1.82	0.55	0.196	OI	|	|	|	0.56
2.250	1.82	0.57	0.204	OI	|	|	|	0.58
2.333	1.82	0.60	0.213	OI	|	|	|	0.61
2.417	1.82	0.62	0.221	OI	|	|	|	0.63
2.500	1.82	0.64	0.229	OI	|	|	|	0.66
2.583	1.98	0.67	0.238	OI	|	|	|	0.68
2.667	2.19	0.69	0.248	O I	|	|	|	0.71
2.750	2.24	0.72	0.258	O I	|	|	|	0.74
2.833	2.26	0.75	0.268	O I	|	|	|	0.77
2.917	2.27	0.78	0.279	O I	|	|	|	0.80
3.000	2.27	0.81	0.289	O I	|	|	|	0.83
3.083	2.27	0.84	0.299	O I	|	|	|	0.85
3.167	2.27	0.86	0.309	O I	|	|	|	0.88
3.250	2.27	0.89	0.318	O I	|	|	|	0.91
3.333	2.27	0.92	0.328	O I	|	|	|	0.94
3.417	2.27	0.94	0.337	O I	|	|	|	0.96
3.500	2.27	0.97	0.346	O I	|	|	|	0.99
3.583	2.27	0.99	0.355	O I	|	|	|	1.01
3.667	2.27	1.01	0.364	|OI	|	|	|	1.03
3.750	2.27	1.03	0.372	|OI	|	|	|	1.05
3.833	2.44	1.05	0.381	|OI	|	|	|	1.07
3.917	2.65	1.08	0.391	|OI	|	|	|	1.10
4.000	2.69	1.10	0.402	|OI	|	|	|	1.12
4.083	2.71	1.13	0.413	|OI	|	|	|	1.15
4.167	2.72	1.15	0.424	|OI	|	|	|	1.18
4.250	2.72	1.18	0.435	|OI	|	|	|	1.20
4.333	2.89	1.20	0.446	|OI	|	|	|	1.23
4.417	3.10	1.23	0.458	|O I	|	|	|	1.26
4.500	3.15	1.26	0.471	|O I	|	|	|	1.29
4.583	3.17	1.29	0.484	|O I	|	|	|	1.32
4.667	3.18	1.32	0.497	|O I	|	|	|	1.35
4.750	3.18	1.35	0.510	|O I	|	|	|	1.38
4.833	3.35	1.38	0.523	|O I	|	|	|	1.41
4.917	3.55	1.42	0.537	|O I	|	|	|	1.44
5.000	3.60	1.45	0.552	|O I	|	|	|	1.48
5.083	3.29	1.48	0.565	|O I	|	|	|	1.51
5.167	2.88	1.51	0.576	|OI	|	|	|	1.54
5.250	2.79	1.53	0.585	|OI	|	|	|	1.56
5.333	2.92	1.55	0.594	|OI	|	|	|	1.58
5.417	3.10	1.57	0.604	|O I	|	|	|	1.61
5.500	3.15	1.60	0.615	|O I	|	|	|	1.63
5.583	3.33	1.62	0.626	|O I	|	|	|	1.66
5.667	3.55	1.65	0.638	|O I	|	|	|	1.69
5.750	3.60	1.68	0.652	|O I	|	|	|	1.72

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 5.833    3.62    1.71      0.665  |O I    |       |       |       |     1.75
 5.917    3.63    1.74      0.678  |O I    |       |       |       |     1.78
 6.000    3.63    1.78      0.691  |O I    |       |       |       |     1.81
 6.083    3.80    1.81      0.704  |O I    |       |       |       |     1.84
 6.167    4.01    1.84      0.718  |O I    |       |       |       |     1.88
 6.250    4.06    1.87      0.733  |O  I   |       |       |       |     1.91
 6.333    4.08    1.91      0.748  |O  I   |       |       |       |     1.95
 6.417    4.09    1.94      0.763  |O  I   |       |       |       |     1.98
 6.500    4.09    1.97      0.778  |O  I   |       |       |       |     2.02
 6.583    4.25    1.99      0.793  |O  I   |       |       |       |     2.05
 6.667    4.46    2.01      0.809  |O  I   |       |       |       |     2.08
 6.750    4.51    2.03      0.826  | O I   |       |       |       |     2.11
 6.833    4.53    2.05      0.843  | O I   |       |       |       |     2.15
 6.917    4.54    2.07      0.860  | O I   |       |       |       |     2.18
 7.000    4.54    2.09      0.877  | O I   |       |       |       |     2.22
 7.083    4.54    2.11      0.894  | O I   |       |       |       |     2.25
 7.167    4.54    2.13      0.911  | O I   |       |       |       |     2.29
 7.250    4.54    2.15      0.927  | O I   |       |       |       |     2.32
 7.333    4.71    2.17      0.944  | O I   |       |       |       |     2.36
 7.417    4.92    2.19      0.963  | O I   |       |       |       |     2.39
 7.500    4.96    2.21      0.981  | O I   |       |       |       |     2.43
 7.583    5.15    2.23      1.001  | O  I  |       |       |       |     2.47
 7.667    5.37    2.26      1.022  | O  I  |       |       |       |     2.51
 7.750    5.42    2.28      1.043  | O  I  |       |       |       |     2.56
 7.833    5.60    2.31      1.065  | O  I  |       |       |       |     2.60
 7.917    5.83    2.34      1.089  | O  I  |       |       |       |     2.65
 8.000    5.87    2.37      1.113  | O  I  |       |       |       |     2.70
 8.083    6.23    2.40      1.138  | O   I |       |       |       |     2.75
 8.167    6.65    2.43      1.166  | O   I |       |       |       |     2.81
 8.250    6.75    2.46      1.195  | O   I |       |       |       |     2.87
 8.333    6.79    2.50      1.225  | O   I |       |       |       |     2.93
 8.417    6.81    2.53      1.254  | O   I |       |       |       |     2.99
 8.500    6.81    2.56      1.284  | O   I |       |       |       |     3.04
 8.583    6.98    2.59      1.313  | O   I |       |       |       |     3.10
 8.667    7.19    2.61      1.344  | O    I|       |       |       |     3.16
 8.750    7.23    2.64      1.376  | O    I|       |       |       |     3.21
 8.833    7.42    2.67      1.408  | O    I|       |       |       |     3.27
 8.917    7.64    2.70      1.441  | O    I|       |       |       |     3.34
 9.000    7.69    2.73      1.475  | O    I|       |       |       |     3.40
 9.083    8.04    2.76      1.511  | O     I       |       |       |     3.46
 9.167    8.47    2.79      1.549  | O     I       |       |       |     3.53
 9.250    8.56    2.83      1.588  | O     I       |       |       |     3.61
 9.333    8.77    2.86      1.628  | O     I       |       |       |     3.68
 9.417    9.00    2.90      1.669  | O     I       |       |       |     3.76
 9.500    9.05    2.93      1.711  | O     |I      |       |       |     3.84
 9.583    9.24    2.97      1.754  | O     |I      |       |       |     3.91
 9.667    9.46    3.01      1.798  | O     |I      |       |       |     4.00
 9.750    9.51    3.91      1.839  |  O    |I      |       |       |     4.06
 9.833    9.93    4.75      1.876  |   O   |I      |       |       |     4.13
 9.917   10.48    5.55      1.911  |    O  | I     |       |       |     4.18
10.000   10.68    6.28      1.943  |     O | I     |       |       |     4.24
10.083    9.30    6.82      1.967  |     O |I      |       |       |     4.27
10.167    7.50    7.05      1.977  |      O|       |       |       |     4.29
10.250    7.09    7.09      1.979  |      O|       |       |       |     4.29
10.333    6.92    7.07      1.978  |     IO|       |       |       |     4.29
10.417    6.81    7.04      1.977  |     IO|       |       |       |     4.29
10.500    6.81    7.01      1.975  |     O |       |       |       |     4.29
10.583    7.65    7.04      1.977  |      O|       |       |       |     4.29
10.667    8.69    7.21      1.984  |      OI       |       |       |     4.30
10.750    8.92    7.44      1.994  |      OI       |       |       |     4.32
10.833    9.02    7.66      2.004  |      OI       |       |       |     4.33
10.917    9.08    7.86      2.013  |      O|I      |       |       |     4.35
11.000    9.10    8.04      2.021  |       OI      |       |       |     4.36
11.083    8.94    8.19      2.027  |       O       |       |       |     4.37
11.167    8.71    8.28      2.031  |       O       |       |       |     4.38
11.250    8.66    8.34      2.034  |       O       |       |       |     4.38
11.333    8.64    8.38      2.036  |       O       |       |       |     4.39
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11.417	8.63	8.42	2.037	| O |	|	|	4.39
11.500	8.63	8.45	2.039	| O |	|	|	4.39
11.583	8.29	8.45	2.039	| O |	|	|	4.39
11.667	7.88	8.40	2.036	| IO |	|	|	4.39
11.750	7.78	8.32	2.033	| IO |	|	|	4.38
11.833	7.91	8.25	2.030	| IO |	|	|	4.38
11.917	8.10	8.21	2.028	| O |	|	|	4.37
12.000	8.14	8.20	2.028	| O |	|	|	4.37
12.083	11.64	8.45	2.038	| O I |	|	|	4.39
12.167	16.03	9.23	2.073	| |O I|	|	|	4.45
12.250	17.09	10.30	2.120	| O I |	|	|	4.52
12.333	18.12	11.36	2.166	| O | I |	|	|	4.60
12.417	19.13	12.42	2.213	| O | I |	|	|	4.68
12.500	19.37	13.41	2.256	| O | I |	|	|	4.75
12.583	20.59	14.37	2.298	| O | I |	|	|	4.82
12.667	22.05	15.38	2.343	| O| I |	|	|	4.89
12.750	22.45	16.38	2.386	| O I |	|	|	4.96
12.833	23.20	18.89	2.422	| | O I|	|	|	5.02
12.917	24.03	22.26	2.443	| | OI|	|	|	5.05
13.000	24.27	23.61	2.451	| | OI |	|	|	5.06
13.083	27.10	25.09	2.461	| | O I |	|	|	5.08
13.167	30.55	27.76	2.477	| | | O I |	|	|	5.10
13.250	31.39	30.05	2.491	| | | O I|	|	|	5.12
13.333	31.80	31.15	2.498	| | | OI|	|	|	5.13
13.417	32.08	31.71	2.502	| | | O|	|	|	5.14
13.500	32.17	**32.01**	**2.503**	| | | **OI** |	|	|	**5.14**
13.583	26.38	30.05	2.491	| | | I O |	|	|	5.12
13.667	19.15	24.84	2.459	| | I O |	|	|	5.07
13.750	17.58	20.21	2.430	| |I O |	|	|	5.03
13.833	16.96	18.11	2.417	| | I O |	|	|	5.01
13.917	16.63	17.17	2.412	| | IO |	|	|	5.00
14.000	16.71	16.90	2.409	| | O |	|	|	5.00
14.083	18.94	17.48	2.413	| | |OI |	|	|	5.01
14.167	21.68	19.50	2.426	| | | O I |	|	|	5.02
14.250	22.37	21.30	2.437	| | | OI |	|	|	5.04
14.333	22.17	21.99	2.441	| | | OI |	|	|	5.05
14.417	21.74	21.97	2.441	| | | O |	|	|	5.05
14.500	21.68	21.78	2.440	| | | O |	|	|	5.05
14.583	21.70	21.71	2.440	| | | O |	|	|	5.05
14.667	21.74	21.72	2.440	| | | O |	|	|	5.05
14.750	21.82	21.76	2.440	| | | O |	|	|	5.05
14.833	21.37	21.64	2.439	| | | O |	|	|	5.04
14.917	20.79	21.24	2.437	| | | IO |	|	|	5.04
15.000	20.72	20.89	2.435	| | | O |	|	|	5.04
15.083	20.20	20.58	2.433	| | | O |	|	|	5.03
15.167	19.57	20.09	2.430	| | | O |	|	|	5.03
15.250	19.50	19.70	2.427	| | | O |	|	|	5.03
15.333	18.99	19.37	2.425	| | | IO |	|	|	5.02
15.417	18.36	18.87	2.422	| | | O |	|	|	5.02
15.500	18.29	18.48	2.420	| | | O |	|	|	5.01
15.583	16.17	17.59	2.414	| | IO |	|	|	5.01
15.667	13.54	16.66	2.399	| | I O |	|	|	4.98
15.750	13.02	16.17	2.377	| | I O |	|	|	4.95
15.833	12.84	15.70	2.356	| | I O|	|	|	4.91
15.917	12.76	15.27	2.338	| | I O|	|	|	4.88
16.000	12.84	14.91	2.322	| | I O |	|	|	4.86
16.083	8.81	14.32	2.296	| |I O |	|	|	4.81
16.167	3.74	13.15	2.245	| I | O |	|	|	4.73
16.250	2.60	11.69	2.181	| I | O |	|	|	4.62
16.333	2.11	10.33	2.121	| I | O |	|	|	4.53
16.417	1.82	9.11	2.068	|I |O |	|	|	4.44
16.500	1.82	8.05	2.021	|I O |	|	|	4.36
16.583	1.65	7.13	1.981	|I O|	|	|	4.30
16.667	1.44	6.32	1.945	|I O |	|	|	4.24
16.750	1.39	5.60	1.914	|I O |	|	|	4.19
16.833	1.37	4.99	1.887	|I O |	|	|	4.14
16.917	1.36	4.46	1.864	|I O |	|	|	4.10

17.000	1.36	4.01	1.844	I O				4.07
17.083	1.70	3.65	1.828	I O				4.05
17.167	2.11	3.40	1.817	IO				4.03
17.250	2.21	3.22	1.809	IO				4.01
17.333	2.25	3.07	1.803	IO				4.00
17.417	2.27	3.01	1.797	O				4.00
17.500	2.27	3.00	1.792	O				3.99
17.583	2.27	3.00	1.787	O				3.98
17.667	2.27	2.99	1.782	O				3.97
17.750	2.27	2.99	1.777	O				3.96
17.833	2.10	2.99	1.772	O				3.95
17.917	1.90	2.98	1.765	IO				3.94
18.000	1.85	2.97	1.757	IO				3.92
18.083	1.83	2.97	1.750	IO				3.91
18.167	1.82	2.96	1.742	IO				3.89
18.250	1.82	2.95	1.734	IO				3.88
18.333	1.82	2.95	1.726	IO				3.86
18.417	1.82	2.94	1.718	IO				3.85
18.500	1.82	2.93	1.711	IO				3.83
18.583	1.65	2.93	1.702	IO				3.82
18.667	1.44	2.92	1.693	IO				3.80
18.750	1.39	2.91	1.683	IO				3.78
18.833	1.21	2.90	1.672	IO				3.76
18.917	0.99	2.89	1.659	I O				3.74
19.000	0.94	2.88	1.646	I O				3.71
19.083	1.09	2.86	1.633	IO				3.69
19.167	1.28	2.85	1.622	IO				3.67
19.250	1.33	2.85	1.611	IO				3.65
19.333	1.52	2.84	1.601	IO				3.63
19.417	1.74	2.83	1.593	IO				3.62
19.500	1.78	2.82	1.586	IO				3.60
19.583	1.64	2.82	1.578	IO				3.59
19.667	1.44	2.81	1.569	IO				3.57
19.750	1.39	2.80	1.560	IO				3.56
19.833	1.21	2.79	1.549	IO				3.54
19.917	0.99	2.78	1.538	I O				3.51
20.000	0.94	2.77	1.525	I O				3.49
20.083	1.09	2.76	1.513	IO				3.47
20.167	1.28	2.75	1.502	IO				3.45
20.250	1.33	2.74	1.493	IO				3.43
20.333	1.35	2.73	1.483	IO				3.41
20.417	1.36	2.73	1.473	IO				3.40
20.500	1.36	2.72	1.464	IO				3.38
20.583	1.36	2.71	1.455	IO				3.36
20.667	1.36	2.70	1.446	IO				3.34
20.750	1.36	2.69	1.436	IO				3.33
20.833	1.20	2.69	1.427	IO				3.31
20.917	0.99	2.68	1.416	I O				3.29
21.000	0.94	2.67	1.404	I O				3.27
21.083	1.09	2.66	1.393	IO				3.25
21.167	1.28	2.65	1.382	IO				3.23
21.250	1.33	2.64	1.373	IO				3.21
21.333	1.18	2.63	1.364	IO				3.19
21.417	0.99	2.62	1.353	I O				3.17
21.500	0.94	2.61	1.342	I O				3.15
21.583	1.09	2.60	1.331	IO				3.13
21.667	1.28	2.59	1.321	IO				3.11
21.750	1.33	2.59	1.312	IO				3.10
21.833	1.18	2.58	1.303	IO				3.08
21.917	0.99	2.57	1.293	I O				3.06
22.000	0.94	2.56	1.282	I O				3.04
22.083	1.09	2.55	1.271	IO				3.02
22.167	1.28	2.54	1.262	IO				3.00
22.250	1.33	2.53	1.253	IO				2.99
22.333	1.18	2.52	1.245	IO				2.97
22.417	0.99	2.51	1.235	I O				2.95
22.500	0.94	2.50	1.224	I O				2.93

22.583	0.92	2.48	1.213	I O	|	|	|	2.91
22.667	0.91	2.47	1.203	I O	|	|	|	2.88
22.750	0.91	2.46	1.192	I O	|	|	|	2.86
22.833	0.91	2.45	1.181	I O	|	|	|	2.84
22.917	0.91	2.43	1.171	I O	|	|	|	2.82
23.000	0.91	2.42	1.160	I O	|	|	|	2.80
23.083	0.91	2.41	1.150	I O	|	|	|	2.78
23.167	0.91	2.40	1.140	I O	|	|	|	2.75
23.250	0.91	2.39	1.129	I O	|	|	|	2.73
23.333	0.91	2.37	1.119	I O	|	|	|	2.71
23.417	0.91	2.36	1.109	I O	|	|	|	2.69
23.500	0.91	2.35	1.099	I O	|	|	|	2.67
23.583	0.91	2.34	1.089	I O	|	|	|	2.65
23.667	0.91	2.33	1.080	I O	|	|	|	2.63
23.750	0.91	2.31	1.070	I O	|	|	|	2.61
23.833	0.91	2.30	1.060	I O	|	|	|	2.59
23.917	0.91	2.29	1.051	I O	|	|	|	2.57
24.000	0.91	2.28	1.041	I O	|	|	|	2.55
24.083	0.57	2.27	1.031	I O	|	|	|	2.53
24.167	0.16	2.25	1.018	I O	|	|	|	2.51
24.250	0.06	2.24	1.003	I O	|	|	|	2.48
24.333	0.02	2.22	0.988	I O	|	|	|	2.44
24.417	0.00	2.20	0.973	I O	|	|	|	2.41
24.500	0.00	2.18	0.958	I O	|	|	|	2.38
24.583	0.00	2.16	0.943	I O	|	|	|	2.35
24.667	0.00	2.15	0.928	I O	|	|	|	2.32
24.750	0.00	2.13	0.913	I O	|	|	|	2.29
24.833	0.00	2.11	0.898	I O	|	|	|	2.26
24.917	0.00	2.09	0.884	I O	|	|	|	2.23
25.000	0.00	2.08	0.870	I O	|	|	|	2.20
25.083	0.00	2.06	0.855	I O	|	|	|	2.17
25.167	0.00	2.04	0.841	I O	|	|	|	2.15
25.250	0.00	2.03	0.827	I O	|	|	|	2.12
25.333	0.00	2.01	0.813	I O	|	|	|	2.09
25.417	0.00	1.99	0.799	IO	|	|	|	2.06
25.500	0.00	1.98	0.786	IO	|	|	|	2.03
25.583	0.00	1.96	0.772	IO	|	|	|	2.00
25.667	0.00	1.93	0.759	IO	|	|	|	1.97
25.750	0.00	1.90	0.746	IO	|	|	|	1.94
25.833	0.00	1.87	0.733	IO	|	|	|	1.91
25.917	0.00	1.84	0.720	IO	|	|	|	1.88
26.000	0.00	1.81	0.707	IO	|	|	|	1.85
26.083	0.00	1.78	0.695	IO	|	|	|	1.82
26.167	0.00	1.76	0.683	IO	|	|	|	1.79
26.250	0.00	1.73	0.671	IO	|	|	|	1.76
26.333	0.00	1.70	0.659	IO	|	|	|	1.74
26.417	0.00	1.67	0.647	IO	|	|	|	1.71
26.500	0.00	1.65	0.636	IO	|	|	|	1.68
26.583	0.00	1.62	0.625	IO	|	|	|	1.65
26.667	0.00	1.59	0.613	IO	|	|	|	1.63
26.750	0.00	1.57	0.603	IO	|	|	|	1.60
26.833	0.00	1.54	0.592	IO	|	|	|	1.58
26.917	0.00	1.52	0.581	IO	|	|	|	1.55
27.000	0.00	1.50	0.571	IO	|	|	|	1.53
27.083	0.00	1.47	0.561	IO	|	|	|	1.50
27.167	0.00	1.45	0.551	IO	|	|	|	1.48
27.250	0.00	1.43	0.541	IO	|	|	|	1.45
27.333	0.00	1.40	0.531	IO	|	|	|	1.43
27.417	0.00	1.38	0.521	IO	|	|	|	1.41
27.500	0.00	1.36	0.512	IO	|	|	|	1.39
27.583	0.00	1.34	0.503	IO	|	|	|	1.36
27.667	0.00	1.32	0.494	IO	|	|	|	1.34
27.750	0.00	1.29	0.485	IO	|	|	|	1.32
27.833	0.00	1.27	0.476	IO	|	|	|	1.30
27.917	0.00	1.25	0.467	IO	|	|	|	1.28
28.000	0.00	1.23	0.458	IO	|	|	|	1.26
28.083	0.00	1.21	0.450	IO	|	|	|	1.24

28.167	0.00	1.19	0.442	IO	|	|	|	1.22
28.250	0.00	1.18	0.434	IO	|	|	|	1.20
28.333	0.00	1.16	0.426	IO	|	|	|	1.18
28.417	0.00	1.14	0.418	IO	|	|	|	1.16
28.500	0.00	1.12	0.410	IO	|	|	|	1.14
28.583	0.00	1.10	0.402	IO	|	|	|	1.12
28.667	0.00	1.08	0.395	IO	|	|	|	1.11
28.750	0.00	1.07	0.387	IO	|	|	|	1.09
28.833	0.00	1.05	0.380	IO	|	|	|	1.07
28.917	0.00	1.03	0.373	IO	|	|	|	1.05
29.000	0.00	1.02	0.366	IO	|	|	|	1.04
29.083	0.00	1.00	0.359	O	|	|	|	1.02
29.167	0.00	0.98	0.352	O	|	|	|	1.00
29.250	0.00	0.97	0.345	O	|	|	|	0.99
29.333	0.00	0.95	0.339	O	|	|	|	0.97
29.417	0.00	0.93	0.332	O	|	|	|	0.95
29.500	0.00	0.91	0.326	O	|	|	|	0.93
29.583	0.00	0.90	0.320	O	|	|	|	0.91
29.667	0.00	0.88	0.314	O	|	|	|	0.90
29.750	0.00	0.86	0.308	O	|	|	|	0.88
29.833	0.00	0.84	0.302	O	|	|	|	0.86
29.917	0.00	0.83	0.296	O	|	|	|	0.85
30.000	0.00	0.81	0.290	O	|	|	|	0.83
30.083	0.00	0.80	0.285	O	|	|	|	0.81
30.167	0.00	0.78	0.279	O	|	|	|	0.80
30.250	0.00	0.77	0.274	O	|	|	|	0.78
30.333	0.00	0.75	0.269	O	|	|	|	0.77
30.417	0.00	0.74	0.264	O	|	|	|	0.75
30.500	0.00	0.72	0.259	O	|	|	|	0.74
30.583	0.00	0.71	0.254	O	|	|	|	0.72
30.667	0.00	0.70	0.249	O	|	|	|	0.71
30.750	0.00	0.68	0.244	O	|	|	|	0.70
30.833	0.00	0.67	0.239	O	|	|	|	0.68
30.917	0.00	0.66	0.235	O	|	|	|	0.67
31.000	0.00	0.64	0.230	O	|	|	|	0.66
31.083	0.00	0.63	0.226	O	|	|	|	0.65
31.167	0.00	0.62	0.222	O	|	|	|	0.63
31.250	0.00	0.61	0.217	O	|	|	|	0.62
31.333	0.00	0.60	0.213	O	|	|	|	0.61
31.417	0.00	0.59	0.209	O	|	|	|	0.60
31.500	0.00	0.57	0.205	O	|	|	|	0.59
31.583	0.00	0.56	0.201	O	|	|	|	0.57
31.667	0.00	0.55	0.197	O	|	|	|	0.56
31.750	0.00	0.54	0.194	O	|	|	|	0.55
31.833	0.00	0.53	0.190	O	|	|	|	0.54
31.917	0.00	0.52	0.186	O	|	|	|	0.53
32.000	0.00	0.51	0.183	O	|	|	|	0.52
32.083	0.00	0.50	0.179	O	|	|	|	0.51
32.167	0.00	0.49	0.176	O	|	|	|	0.50
32.250	0.00	0.48	0.172	O	|	|	|	0.49
32.333	0.00	0.47	0.169	O	|	|	|	0.48
32.417	0.00	0.46	0.166	O	|	|	|	0.47
32.500	0.00	0.46	0.163	O	|	|	|	0.47
32.583	0.00	0.45	0.160	O	|	|	|	0.46
32.667	0.00	0.44	0.157	O	|	|	|	0.45
32.750	0.00	0.43	0.154	O	|	|	|	0.44
32.833	0.00	0.42	0.151	O	|	|	|	0.43
32.917	0.00	0.41	0.148	O	|	|	|	0.42
33.000	0.00	0.41	0.145	O	|	|	|	0.41
33.083	0.00	0.40	0.142	O	|	|	|	0.41
33.167	0.00	0.39	0.139	O	|	|	|	0.40
33.250	0.00	0.38	0.137	O	|	|	|	0.39
33.333	0.00	0.38	0.134	O	|	|	|	0.38
33.417	0.00	0.37	0.132	O	|	|	|	0.38
33.500	0.00	0.36	0.129	O	|	|	|	0.37
33.583	0.00	0.35	0.127	O	|	|	|	0.36
33.667	0.00	0.35	0.124	O	|	|	|	0.36

33.750	0.00	0.34	0.122	O	|	|	|	|	0.35
33.833	0.00	0.33	0.120	O	|	|	|	|	0.34
33.917	0.00	0.33	0.117	O	|	|	|	|	0.34
34.000	0.00	0.32	0.115	O	|	|	|	|	0.33
34.083	0.00	0.32	0.113	O	|	|	|	|	0.32
34.167	0.00	0.31	0.111	O	|	|	|	|	0.32
34.250	0.00	0.30	0.109	O	|	|	|	|	0.31
34.333	0.00	0.30	0.106	O	|	|	|	|	0.30
34.417	0.00	0.29	0.104	O	|	|	|	|	0.30
34.500	0.00	0.29	0.102	O	|	|	|	|	0.29
34.583	0.00	0.28	0.101	O	|	|	|	|	0.29
34.667	0.00	0.28	0.099	O	|	|	|	|	0.28
34.750	0.00	0.27	0.097	O	|	|	|	|	0.28
34.833	0.00	0.27	0.095	O	|	|	|	|	0.27
34.917	0.00	0.26	0.093	O	|	|	|	|	0.27
35.000	0.00	0.26	0.091	O	|	|	|	|	0.26
35.083	0.00	0.25	0.090	O	|	|	|	|	0.26
35.167	0.00	0.25	0.088	O	|	|	|	|	0.25
35.250	0.00	0.24	0.086	O	|	|	|	|	0.25
35.333	0.00	0.24	0.084	O	|	|	|	|	0.24
35.417	0.00	0.23	0.083	O	|	|	|	|	0.24
35.500	0.00	0.23	0.081	O	|	|	|	|	0.23
35.583	0.00	0.22	0.080	O	|	|	|	|	0.23
35.667	0.00	0.22	0.078	O	|	|	|	|	0.22
35.750	0.00	0.21	0.077	O	|	|	|	|	0.22
35.833	0.00	0.21	0.075	O	|	|	|	|	0.22
35.917	0.00	0.21	0.074	O	|	|	|	|	0.21
36.000	0.00	0.20	0.072	O	|	|	|	|	0.21
36.083	0.00	0.20	0.071	O	|	|	|	|	0.20
36.167	0.00	0.20	0.070	O	|	|	|	|	0.20
36.250	0.00	0.19	0.068	O	|	|	|	|	0.20
36.333	0.00	0.19	0.067	O	|	|	|	|	0.19
36.417	0.00	0.18	0.066	O	|	|	|	|	0.19
36.500	0.00	0.18	0.064	O	|	|	|	|	0.18
36.583	0.00	0.18	0.063	O	|	|	|	|	0.18
36.667	0.00	0.17	0.062	O	|	|	|	|	0.18
36.750	0.00	0.17	0.061	O	|	|	|	|	0.17
36.833	0.00	0.17	0.060	O	|	|	|	|	0.17
36.917	0.00	0.16	0.059	O	|	|	|	|	0.17
37.000	0.00	0.16	0.057	O	|	|	|	|	0.16
37.083	0.00	0.16	0.056	O	|	|	|	|	0.16
37.167	0.00	0.15	0.055	O	|	|	|	|	0.16
37.250	0.00	0.15	0.054	O	|	|	|	|	0.15
37.333	0.00	0.15	0.053	O	|	|	|	|	0.15
37.417	0.00	0.15	0.052	O	|	|	|	|	0.15
37.500	0.00	0.14	0.051	O	|	|	|	|	0.15
37.583	0.00	0.14	0.050	O	|	|	|	|	0.14
37.667	0.00	0.14	0.049	O	|	|	|	|	0.14
37.750	0.00	0.14	0.048	O	|	|	|	|	0.14
37.833	0.00	0.13	0.047	O	|	|	|	|	0.14
37.917	0.00	0.13	0.046	O	|	|	|	|	0.13
38.000	0.00	0.13	0.046	O	|	|	|	|	0.13
38.083	0.00	0.13	0.045	O	|	|	|	|	0.13
38.167	0.00	0.12	0.044	O	|	|	|	|	0.13
38.250	0.00	0.12	0.043	O	|	|	|	|	0.12
38.333	0.00	0.12	0.042	O	|	|	|	|	0.12
38.417	0.00	0.12	0.041	O	|	|	|	|	0.12
38.500	0.00	0.11	0.041	O	|	|	|	|	0.12
38.583	0.00	0.11	0.040	O	|	|	|	|	0.11
38.667	0.00	0.11	0.039	O	|	|	|	|	0.11
38.750	0.00	0.11	0.038	O	|	|	|	|	0.11
38.833	0.00	0.11	0.038	O	|	|	|	|	0.11
38.917	0.00	0.10	0.037	O	|	|	|	|	0.11
39.000	0.00	0.10	0.036	O	|	|	|	|	0.10
39.083	0.00	0.10	0.035	O	|	|	|	|	0.10
39.167	0.00	0.10	0.035	O	|	|	|	|	0.10
39.250	0.00	0.10	0.034	O	|	|	|	|	0.10

39.333	0.00	0.09	0.033	O	|	|	|	|	0.10
39.417	0.00	0.09	0.033	O	|	|	|	|	0.09
39.500	0.00	0.09	0.032	O	|	|	|	|	0.09
39.583	0.00	0.09	0.032	O	|	|	|	|	0.09
39.667	0.00	0.09	0.031	O	|	|	|	|	0.09
39.750	0.00	0.09	0.030	O	|	|	|	|	0.09
39.833	0.00	0.08	0.030	O	|	|	|	|	0.09
39.917	0.00	0.08	0.029	O	|	|	|	|	0.08
40.000	0.00	0.08	0.029	O	|	|	|	|	0.08
40.083	0.00	0.08	0.028	O	|	|	|	|	0.08
40.167	0.00	0.08	0.028	O	|	|	|	|	0.08
40.250	0.00	0.08	0.027	O	|	|	|	|	0.08
40.333	0.00	0.07	0.027	O	|	|	|	|	0.08
40.417	0.00	0.07	0.026	O	|	|	|	|	0.07
40.500	0.00	0.07	0.026	O	|	|	|	|	0.07
40.583	0.00	0.07	0.025	O	|	|	|	|	0.07
40.667	0.00	0.07	0.025	O	|	|	|	|	0.07
40.750	0.00	0.07	0.024	O	|	|	|	|	0.07
40.833	0.00	0.07	0.024	O	|	|	|	|	0.07
40.917	0.00	0.06	0.023	O	|	|	|	|	0.07
41.000	0.00	0.06	0.023	O	|	|	|	|	0.07
41.083	0.00	0.06	0.022	O	|	|	|	|	0.06
41.167	0.00	0.06	0.022	O	|	|	|	|	0.06
41.250	0.00	0.06	0.021	O	|	|	|	|	0.06
41.333	0.00	0.06	0.021	O	|	|	|	|	0.06
41.417	0.00	0.06	0.021	O	|	|	|	|	0.06
41.500	0.00	0.06	0.020	O	|	|	|	|	0.06
41.583	0.00	0.06	0.020	O	|	|	|	|	0.06
41.667	0.00	0.05	0.020	O	|	|	|	|	0.06
41.750	0.00	0.05	0.019	O	|	|	|	|	0.05
41.833	0.00	0.05	0.019	O	|	|	|	|	0.05
41.917	0.00	0.05	0.018	O	|	|	|	|	0.05
42.000	0.00	0.05	0.018	O	|	|	|	|	0.05
42.083	0.00	0.05	0.018	O	|	|	|	|	0.05
42.167	0.00	0.05	0.017	O	|	|	|	|	0.05
42.250	0.00	0.05	0.017	O	|	|	|	|	0.05
42.333	0.00	0.05	0.017	O	|	|	|	|	0.05
42.417	0.00	0.05	0.016	O	|	|	|	|	0.05
42.500	0.00	0.05	0.016	O	|	|	|	|	0.05
42.583	0.00	0.04	0.016	O	|	|	|	|	0.05
42.667	0.00	0.04	0.015	O	|	|	|	|	0.04
42.750	0.00	0.04	0.015	O	|	|	|	|	0.04
42.833	0.00	0.04	0.015	O	|	|	|	|	0.04
42.917	0.00	0.04	0.015	O	|	|	|	|	0.04
43.000	0.00	0.04	0.014	O	|	|	|	|	0.04
43.083	0.00	0.04	0.014	O	|	|	|	|	0.04
43.167	0.00	0.04	0.014	O	|	|	|	|	0.04
43.250	0.00	0.04	0.014	O	|	|	|	|	0.04
43.333	0.00	0.04	0.013	O	|	|	|	|	0.04
43.417	0.00	0.04	0.013	O	|	|	|	|	0.04
43.500	0.00	0.04	0.013	O	|	|	|	|	0.04
43.583	0.00	0.04	0.013	O	|	|	|	|	0.04
43.667	0.00	0.03	0.012	O	|	|	|	|	0.04
43.750	0.00	0.03	0.012	O	|	|	|	|	0.03
43.833	0.00	0.03	0.012	O	|	|	|	|	0.03
43.917	0.00	0.03	0.012	O	|	|	|	|	0.03
44.000	0.00	0.03	0.011	O	|	|	|	|	0.03
44.083	0.00	0.03	0.011	O	|	|	|	|	0.03
44.167	0.00	0.03	0.011	O	|	|	|	|	0.03
44.250	0.00	0.03	0.011	O	|	|	|	|	0.03
44.333	0.00	0.03	0.011	O	|	|	|	|	0.03
44.417	0.00	0.03	0.010	O	|	|	|	|	0.03
44.500	0.00	0.03	0.010	O	|	|	|	|	0.03
44.583	0.00	0.03	0.010	O	|	|	|	|	0.03
44.667	0.00	0.03	0.010	O	|	|	|	|	0.03
44.750	0.00	0.03	0.010	O	|	|	|	|	0.03
44.833	0.00	0.03	0.009	O	|	|	|	|	0.03

44.917	0.00	0.03	0.009	O	|	|	|	|	0.03
45.000	0.00	0.03	0.009	O	|	|	|	|	0.03
45.083	0.00	0.02	0.009	O	|	|	|	|	0.03
45.167	0.00	0.02	0.009	O	|	|	|	|	0.02
45.250	0.00	0.02	0.009	O	|	|	|	|	0.02
45.333	0.00	0.02	0.008	O	|	|	|	|	0.02
45.417	0.00	0.02	0.008	O	|	|	|	|	0.02
45.500	0.00	0.02	0.008	O	|	|	|	|	0.02
45.583	0.00	0.02	0.008	O	|	|	|	|	0.02
45.667	0.00	0.02	0.008	O	|	|	|	|	0.02
45.750	0.00	0.02	0.008	O	|	|	|	|	0.02
45.833	0.00	0.02	0.007	O	|	|	|	|	0.02
45.917	0.00	0.02	0.007	O	|	|	|	|	0.02
46.000	0.00	0.02	0.007	O	|	|	|	|	0.02
46.083	0.00	0.02	0.007	O	|	|	|	|	0.02
46.167	0.00	0.02	0.007	O	|	|	|	|	0.02
46.250	0.00	0.02	0.007	O	|	|	|	|	0.02
46.333	0.00	0.02	0.007	O	|	|	|	|	0.02
46.417	0.00	0.02	0.007	O	|	|	|	|	0.02
46.500	0.00	0.02	0.006	O	|	|	|	|	0.02
46.583	0.00	0.02	0.006	O	|	|	|	|	0.02
46.667	0.00	0.02	0.006	O	|	|	|	|	0.02
46.750	0.00	0.02	0.006	O	|	|	|	|	0.02
46.833	0.00	0.02	0.006	O	|	|	|	|	0.02
46.917	0.00	0.02	0.006	O	|	|	|	|	0.02
47.000	0.00	0.02	0.006	O	|	|	|	|	0.02
47.083	0.00	0.02	0.006	O	|	|	|	|	0.02
47.167	0.00	0.02	0.005	O	|	|	|	|	0.02
47.250	0.00	0.02	0.005	O	|	|	|	|	0.02
47.333	0.00	0.01	0.005	O	|	|	|	|	0.02
47.417	0.00	0.01	0.005	O	|	|	|	|	0.01
47.500	0.00	0.01	0.005	O	|	|	|	|	0.01
47.583	0.00	0.01	0.005	O	|	|	|	|	0.01
47.667	0.00	0.01	0.005	O	|	|	|	|	0.01
47.750	0.00	0.01	0.005	O	|	|	|	|	0.01
47.833	0.00	0.01	0.005	O	|	|	|	|	0.01
47.917	0.00	0.01	0.005	O	|	|	|	|	0.01
48.000	0.00	0.01	0.005	O	|	|	|	|	0.01
48.083	0.00	0.01	0.004	O	|	|	|	|	0.01
48.167	0.00	0.01	0.004	O	|	|	|	|	0.01
48.250	0.00	0.01	0.004	O	|	|	|	|	0.01
48.333	0.00	0.01	0.004	O	|	|	|	|	0.01
48.417	0.00	0.01	0.004	O	|	|	|	|	0.01
48.500	0.00	0.01	0.004	O	|	|	|	|	0.01
48.583	0.00	0.01	0.004	O	|	|	|	|	0.01
48.667	0.00	0.01	0.004	O	|	|	|	|	0.01
48.750	0.00	0.01	0.004	O	|	|	|	|	0.01
48.833	0.00	0.01	0.004	O	|	|	|	|	0.01
48.917	0.00	0.01	0.004	O	|	|	|	|	0.01
49.000	0.00	0.01	0.004	O	|	|	|	|	0.01
49.083	0.00	0.01	0.004	O	|	|	|	|	0.01
49.167	0.00	0.01	0.003	O	|	|	|	|	0.01
49.250	0.00	0.01	0.003	O	|	|	|	|	0.01
49.333	0.00	0.01	0.003	O	|	|	|	|	0.01
49.417	0.00	0.01	0.003	O	|	|	|	|	0.01
49.500	0.00	0.01	0.003	O	|	|	|	|	0.01
49.583	0.00	0.01	0.003	O	|	|	|	|	0.01
49.667	0.00	0.01	0.003	O	|	|	|	|	0.01
49.750	0.00	0.01	0.003	O	|	|	|	|	0.01
49.833	0.00	0.01	0.003	O	|	|	|	|	0.01
49.917	0.00	0.01	0.003	O	|	|	|	|	0.01
50.000	0.00	0.01	0.003	O	|	|	|	|	0.01
50.083	0.00	0.01	0.003	O	|	|	|	|	0.01
50.167	0.00	0.01	0.003	O	|	|	|	|	0.01
50.250	0.00	0.01	0.003	O	|	|	|	|	0.01
50.333	0.00	0.01	0.003	O	|	|	|	|	0.01
50.417	0.00	0.01	0.003	O	|	|	|	|	0.01

50.500	0.00	0.01	0.003	O					0.01
50.583	0.00	0.01	0.002	O					0.01
50.667	0.00	0.01	0.002	O					0.01
50.750	0.00	0.01	0.002	O					0.01
50.833	0.00	0.01	0.002	O					0.01
50.917	0.00	0.01	0.002	O					0.01
51.000	0.00	0.01	0.002	O					0.01
51.083	0.00	0.01	0.002	O					0.01
51.167	0.00	0.01	0.002	O					0.01
51.250	0.00	0.01	0.002	O					0.01
51.333	0.00	0.01	0.002	O					0.01
51.417	0.00	0.01	0.002	O					0.01
51.500	0.00	0.01	0.002	O					0.01
51.583	0.00	0.01	0.002	O					0.01
51.667	0.00	0.01	0.002	O					0.01
51.750	0.00	0.01	0.002	O					0.01
51.833	0.00	0.01	0.002	O					0.01
51.917	0.00	0.01	0.002	O					0.01
52.000	0.00	0.00	0.002	O					0.01
52.083	0.00	0.00	0.002	O					0.01
52.167	0.00	0.00	0.002	O					0.00
52.250	0.00	0.00	0.002	O					0.00
52.333	0.00	0.00	0.002	O					0.00
52.417	0.00	0.00	0.002	O					0.00
52.500	0.00	0.00	0.002	O					0.00
52.583	0.00	0.00	0.002	O					0.00
52.667	0.00	0.00	0.002	O					0.00
52.750	0.00	0.00	0.002	O					0.00
52.833	0.00	0.00	0.001	O					0.00
52.917	0.00	0.00	0.001	O					0.00
53.000	0.00	0.00	0.001	O					0.00
53.083	0.00	0.00	0.001	O					0.00
53.167	0.00	0.00	0.001	O					0.00
53.250	0.00	0.00	0.001	O					0.00
53.333	0.00	0.00	0.001	O					0.00
53.417	0.00	0.00	0.001	O					0.00
53.500	0.00	0.00	0.001	O					0.00
53.583	0.00	0.00	0.001	O					0.00
53.667	0.00	0.00	0.001	O					0.00
53.750	0.00	0.00	0.001	O					0.00
53.833	0.00	0.00	0.001	O					0.00
53.917	0.00	0.00	0.001	O					0.00
54.000	0.00	0.00	0.001	O					0.00
54.083	0.00	0.00	0.001	O					0.00
54.167	0.00	0.00	0.001	O					0.00
54.250	0.00	0.00	0.001	O					0.00
54.333	0.00	0.00	0.001	O					0.00
54.417	0.00	0.00	0.001	O					0.00
54.500	0.00	0.00	0.001	O					0.00
54.583	0.00	0.00	0.001	O					0.00
54.667	0.00	0.00	0.001	O					0.00
54.750	0.00	0.00	0.001	O					0.00
54.833	0.00	0.00	0.001	O					0.00
54.917	0.00	0.00	0.001	O					0.00
55.000	0.00	0.00	0.001	O					0.00
55.083	0.00	0.00	0.001	O					0.00
55.167	0.00	0.00	0.001	O					0.00
55.250	0.00	0.00	0.001	O					0.00
55.333	0.00	0.00	0.001	O					0.00
55.417	0.00	0.00	0.001	O					0.00
55.500	0.00	0.00	0.001	O					0.00
55.583	0.00	0.00	0.001	O					0.00
55.667	0.00	0.00	0.001	O					0.00
55.750	0.00	0.00	0.001	O					0.00
55.833	0.00	0.00	0.001	O					0.00
55.917	0.00	0.00	0.001	O					0.00
56.000	0.00	0.00	0.001	O					0.00

56.083	0.00	0.00	0.001	O	|	|	|	|	0.00
56.167	0.00	0.00	0.001	O	|	|	|	|	0.00
56.250	0.00	0.00	0.001	O	|	|	|	|	0.00
56.333	0.00	0.00	0.001	O	|	|	|	|	0.00
56.417	0.00	0.00	0.001	O	|	|	|	|	0.00
56.500	0.00	0.00	0.001	O	|	|	|	|	0.00
56.583	0.00	0.00	0.001	O	|	|	|	|	0.00
56.667	0.00	0.00	0.001	O	|	|	|	|	0.00
56.750	0.00	0.00	0.001	O	|	|	|	|	0.00
56.833	0.00	0.00	0.001	O	|	|	|	|	0.00
56.917	0.00	0.00	0.001	O	|	|	|	|	0.00
57.000	0.00	0.00	0.001	O	|	|	|	|	0.00
57.083	0.00	0.00	0.001	O	|	|	|	|	0.00
57.167	0.00	0.00	0.001	O	|	|	|	|	0.00
57.250	0.00	0.00	0.001	O	|	|	|	|	0.00
57.333	0.00	0.00	0.001	O	|	|	|	|	0.00
57.417	0.00	0.00	0.001	O	|	|	|	|	0.00
57.500	0.00	0.00	0.001	O	|	|	|	|	0.00
57.583	0.00	0.00	0.000	O	|	|	|	|	0.00
57.667	0.00	0.00	0.000	O	|	|	|	|	0.00
57.750	0.00	0.00	0.000	O	|	|	|	|	0.00
57.833	0.00	0.00	0.000	O	|	|	|	|	0.00
57.917	0.00	0.00	0.000	O	|	|	|	|	0.00
58.000	0.00	0.00	0.000	O	|	|	|	|	0.00
58.083	0.00	0.00	0.000	O	|	|	|	|	0.00
58.167	0.00	0.00	0.000	O	|	|	|	|	0.00
58.250	0.00	0.00	0.000	O	|	|	|	|	0.00
58.333	0.00	0.00	0.000	O	|	|	|	|	0.00
58.417	0.00	0.00	0.000	O	|	|	|	|	0.00
58.500	0.00	0.00	0.000	O	|	|	|	|	0.00
58.583	0.00	0.00	0.000	O	|	|	|	|	0.00
58.667	0.00	0.00	0.000	O	|	|	|	|	0.00
58.750	0.00	0.00	0.000	O	|	|	|	|	0.00
58.833	0.00	0.00	0.000	O	|	|	|	|	0.00
58.917	0.00	0.00	0.000	O	|	|	|	|	0.00
59.000	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 708
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 32.006 (CFS)
Total volume = 12.385 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

TRIBUTARY TO
MARKET STREET STORM DRAIN
BASIN F, G, H, I & J

BASIN F

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
Study date 12/14/21 File: RVEF242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN F- EXISTING UNIT HYDROGRAPH
2YR-24HRS

Drainage Area = 16.69(Ac.) = 0.026 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 16.69(Ac.) = 0.026 Sq. Mi.
Length along longest watercourse = 791.00(Ft.)
Length along longest watercourse measured to centroid = 467.00(Ft.)
Length along longest watercourse = 0.150 Mi.
Length along longest watercourse measured to centroid = 0.088 Mi.
Difference in elevation = 5.00(Ft.)
Slope along watercourse = 33.3755 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.095 Hr.
Lag time = 5.72 Min.
25% of lag time = 1.43 Min.
40% of lag time = 2.29 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	2.70	45.06

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	7.00	116.83

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
16.690	84.90	0.000

Total Area Entered = 16.69(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-1     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
84.9  69.9      0.364     0.000        0.364       1.000      0.364
                                                  Sum (F) =   0.364
Area averaged mean soil loss (F) (In/Hr) =  0.364
Minimum soil loss rate ((In/Hr)) =  0.182
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
--------------------------------------------------------------------

            U n i t  H y d r o g r a p h
                   VALLEY S-Curve
--------------------------------------------------------------------
            Unit Hydrograph Data
--------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %            (CFS)
--------------------------------------------------------------------
       1   0.083         87.408         15.416              2.593
       2   0.167        174.817         46.539              7.828
       3   0.250        262.225         17.997              3.027
       4   0.333        349.633          7.791              1.310
       5   0.417        437.042          4.570              0.769
       6   0.500        524.450          2.880              0.485
       7   0.583        611.859          2.016              0.339
       8   0.667        699.267          1.314              0.221
       9   0.750        786.675          0.907              0.153
      10   0.833        874.084          0.570              0.096
                               Sum = 100.000   Sum=          16.820
--------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.644)	0.019	0.002
2	0.17	0.07	0.022	(0.642)	0.019	0.002
3	0.25	0.07	0.022	(0.639)	0.019	0.002
4	0.33	0.10	0.032	(0.637)	0.029	0.003
5	0.42	0.10	0.032	(0.634)	0.029	0.003
6	0.50	0.10	0.032	(0.632)	0.029	0.003
7	0.58	0.10	0.032	(0.630)	0.029	0.003
8	0.67	0.10	0.032	(0.627)	0.029	0.003
9	0.75	0.10	0.032	(0.625)	0.029	0.003
10	0.83	0.13	0.043	(0.622)	0.039	0.004
11	0.92	0.13	0.043	(0.620)	0.039	0.004
12	1.00	0.13	0.043	(0.617)	0.039	0.004
13	1.08	0.10	0.032	(0.615)	0.029	0.003
14	1.17	0.10	0.032	(0.612)	0.029	0.003
15	1.25	0.10	0.032	(0.610)	0.029	0.003
16	1.33	0.10	0.032	(0.608)	0.029	0.003
17	1.42	0.10	0.032	(0.605)	0.029	0.003
18	1.50	0.10	0.032	(0.603)	0.029	0.003
19	1.58	0.10	0.032	(0.600)	0.029	0.003
20	1.67	0.10	0.032	(0.598)	0.029	0.003
21	1.75	0.10	0.032	(0.595)	0.029	0.003
22	1.83	0.13	0.043	(0.593)	0.039	0.004
23	1.92	0.13	0.043	(0.591)	0.039	0.004
24	2.00	0.13	0.043	(0.588)	0.039	0.004
25	2.08	0.13	0.043	(0.586)	0.039	0.004
26	2.17	0.13	0.043	(0.584)	0.039	0.004
27	2.25	0.13	0.043	(0.581)	0.039	0.004
28	2.33	0.13	0.043	(0.579)	0.039	0.004
29	2.42	0.13	0.043	(0.576)	0.039	0.004
30	2.50	0.13	0.043	(0.574)	0.039	0.004
31	2.58	0.17	0.054	(0.572)	0.049	0.005

32	2.67	0.17	0.054	(0.569)	0.049	0.005
33	2.75	0.17	0.054	(0.567)	0.049	0.005
34	2.83	0.17	0.054	(0.565)	0.049	0.005
35	2.92	0.17	0.054	(0.562)	0.049	0.005
36	3.00	0.17	0.054	(0.560)	0.049	0.005
37	3.08	0.17	0.054	(0.558)	0.049	0.005
38	3.17	0.17	0.054	(0.555)	0.049	0.005
39	3.25	0.17	0.054	(0.553)	0.049	0.005
40	3.33	0.17	0.054	(0.551)	0.049	0.005
41	3.42	0.17	0.054	(0.549)	0.049	0.005
42	3.50	0.17	0.054	(0.546)	0.049	0.005
43	3.58	0.17	0.054	(0.544)	0.049	0.005
44	3.67	0.17	0.054	(0.542)	0.049	0.005
45	3.75	0.17	0.054	(0.539)	0.049	0.005
46	3.83	0.20	0.065	(0.537)	0.058	0.006
47	3.92	0.20	0.065	(0.535)	0.058	0.006
48	4.00	0.20	0.065	(0.533)	0.058	0.006
49	4.08	0.20	0.065	(0.530)	0.058	0.006
50	4.17	0.20	0.065	(0.528)	0.058	0.006
51	4.25	0.20	0.065	(0.526)	0.058	0.006
52	4.33	0.23	0.076	(0.524)	0.068	0.008
53	4.42	0.23	0.076	(0.521)	0.068	0.008
54	4.50	0.23	0.076	(0.519)	0.068	0.008
55	4.58	0.23	0.076	(0.517)	0.068	0.008
56	4.67	0.23	0.076	(0.515)	0.068	0.008
57	4.75	0.23	0.076	(0.512)	0.068	0.008
58	4.83	0.27	0.086	(0.510)	0.078	0.009
59	4.92	0.27	0.086	(0.508)	0.078	0.009
60	5.00	0.27	0.086	(0.506)	0.078	0.009
61	5.08	0.20	0.065	(0.504)	0.058	0.006
62	5.17	0.20	0.065	(0.501)	0.058	0.006
63	5.25	0.20	0.065	(0.499)	0.058	0.006
64	5.33	0.23	0.076	(0.497)	0.068	0.008
65	5.42	0.23	0.076	(0.495)	0.068	0.008
66	5.50	0.23	0.076	(0.493)	0.068	0.008
67	5.58	0.27	0.086	(0.491)	0.078	0.009
68	5.67	0.27	0.086	(0.488)	0.078	0.009
69	5.75	0.27	0.086	(0.486)	0.078	0.009
70	5.83	0.27	0.086	(0.484)	0.078	0.009
71	5.92	0.27	0.086	(0.482)	0.078	0.009
72	6.00	0.27	0.086	(0.480)	0.078	0.009
73	6.08	0.30	0.097	(0.478)	0.087	0.010
74	6.17	0.30	0.097	(0.476)	0.087	0.010
75	6.25	0.30	0.097	(0.473)	0.087	0.010
76	6.33	0.30	0.097	(0.471)	0.087	0.010
77	6.42	0.30	0.097	(0.469)	0.087	0.010
78	6.50	0.30	0.097	(0.467)	0.087	0.010
79	6.58	0.33	0.108	(0.465)	0.097	0.011
80	6.67	0.33	0.108	(0.463)	0.097	0.011
81	6.75	0.33	0.108	(0.461)	0.097	0.011
82	6.83	0.33	0.108	(0.459)	0.097	0.011
83	6.92	0.33	0.108	(0.457)	0.097	0.011
84	7.00	0.33	0.108	(0.455)	0.097	0.011
85	7.08	0.33	0.108	(0.453)	0.097	0.011
86	7.17	0.33	0.108	(0.450)	0.097	0.011
87	7.25	0.33	0.108	(0.448)	0.097	0.011
88	7.33	0.37	0.119	(0.446)	0.107	0.012
89	7.42	0.37	0.119	(0.444)	0.107	0.012
90	7.50	0.37	0.119	(0.442)	0.107	0.012
91	7.58	0.40	0.130	(0.440)	0.117	0.013
92	7.67	0.40	0.130	(0.438)	0.117	0.013
93	7.75	0.40	0.130	(0.436)	0.117	0.013
94	7.83	0.43	0.140	(0.434)	0.126	0.014
95	7.92	0.43	0.140	(0.432)	0.126	0.014
96	8.00	0.43	0.140	(0.430)	0.126	0.014
97	8.08	0.50	0.162	(0.428)	0.146	0.016
98	8.17	0.50	0.162	(0.426)	0.146	0.016

99	8.25	0.50	0.162	(	0.424)	0.146	0.016
100	8.33	0.50	0.162	(	0.422)	0.146	0.016
101	8.42	0.50	0.162	(	0.420)	0.146	0.016
102	8.50	0.50	0.162	(	0.418)	0.146	0.016
103	8.58	0.53	0.173	(	0.416)	0.156	0.017
104	8.67	0.53	0.173	(	0.414)	0.156	0.017
105	8.75	0.53	0.173	(	0.412)	0.156	0.017
106	8.83	0.57	0.184	(	0.410)	0.165	0.018
107	8.92	0.57	0.184	(	0.409)	0.165	0.018
108	9.00	0.57	0.184	(	0.407)	0.165	0.018
109	9.08	0.63	0.205	(	0.405)	0.185	0.021
110	9.17	0.63	0.205	(	0.403)	0.185	0.021
111	9.25	0.63	0.205	(	0.401)	0.185	0.021
112	9.33	0.67	0.216	(	0.399)	0.194	0.022
113	9.42	0.67	0.216	(	0.397)	0.194	0.022
114	9.50	0.67	0.216	(	0.395)	0.194	0.022
115	9.58	0.70	0.227	(	0.393)	0.204	0.023
116	9.67	0.70	0.227	(	0.391)	0.204	0.023
117	9.75	0.70	0.227	(	0.389)	0.204	0.023
118	9.83	0.73	0.238	(	0.388)	0.214	0.024
119	9.92	0.73	0.238	(	0.386)	0.214	0.024
120	10.00	0.73	0.238	(	0.384)	0.214	0.024
121	10.08	0.50	0.162	(	0.382)	0.146	0.016
122	10.17	0.50	0.162	(	0.380)	0.146	0.016
123	10.25	0.50	0.162	(	0.378)	0.146	0.016
124	10.33	0.50	0.162	(	0.376)	0.146	0.016
125	10.42	0.50	0.162	(	0.375)	0.146	0.016
126	10.50	0.50	0.162	(	0.373)	0.146	0.016
127	10.58	0.67	0.216	(	0.371)	0.194	0.022
128	10.67	0.67	0.216	(	0.369)	0.194	0.022
129	10.75	0.67	0.216	(	0.367)	0.194	0.022
130	10.83	0.67	0.216	(	0.366)	0.194	0.022
131	10.92	0.67	0.216	(	0.364)	0.194	0.022
132	11.00	0.67	0.216	(	0.362)	0.194	0.022
133	11.08	0.63	0.205	(	0.360)	0.185	0.021
134	11.17	0.63	0.205	(	0.358)	0.185	0.021
135	11.25	0.63	0.205	(	0.357)	0.185	0.021
136	11.33	0.63	0.205	(	0.355)	0.185	0.021
137	11.42	0.63	0.205	(	0.353)	0.185	0.021
138	11.50	0.63	0.205	(	0.351)	0.185	0.021
139	11.58	0.57	0.184	(	0.350)	0.165	0.018
140	11.67	0.57	0.184	(	0.348)	0.165	0.018
141	11.75	0.57	0.184	(	0.346)	0.165	0.018
142	11.83	0.60	0.194	(	0.344)	0.175	0.019
143	11.92	0.60	0.194	(	0.343)	0.175	0.019
144	12.00	0.60	0.194	(	0.341)	0.175	0.019
145	12.08	0.83	0.270	(	0.339)	0.243	0.027
146	12.17	0.83	0.270	(	0.338)	0.243	0.027
147	12.25	0.83	0.270	(	0.336)	0.243	0.027
148	12.33	0.87	0.281	(	0.334)	0.253	0.028
149	12.42	0.87	0.281	(	0.333)	0.253	0.028
150	12.50	0.87	0.281	(	0.331)	0.253	0.028
151	12.58	0.93	0.302	(	0.329)	0.272	0.030
152	12.67	0.93	0.302	(	0.328)	0.272	0.030
153	12.75	0.93	0.302	(	0.326)	0.272	0.030
154	12.83	0.97	0.313	(	0.324)	0.282	0.031
155	12.92	0.97	0.313	(	0.323)	0.282	0.031
156	13.00	0.97	0.313	(	0.321)	0.282	0.031
157	13.08	1.13	0.367		0.319	(0.330)	0.048
158	13.17	1.13	0.367		0.318	(0.330)	0.049
159	13.25	1.13	0.367		0.316	(0.330)	0.051
160	13.33	1.13	0.367		0.315	(0.330)	0.053
161	13.42	1.13	0.367		0.313	(0.330)	0.054
162	13.50	1.13	0.367		0.311	(0.330)	0.056
163	13.58	0.77	0.248	(	0.310)	0.224	0.025
164	13.67	0.77	0.248	(	0.308)	0.224	0.025
165	13.75	0.77	0.248	(	0.307)	0.224	0.025

166	13.83	0.77	0.248	(0.305)	0.224	0.025
167	13.92	0.77	0.248	(0.304)	0.224	0.025
168	14.00	0.77	0.248	(0.302)	0.224	0.025
169	14.08	0.90	0.292	(0.300)	0.262	0.029
170	14.17	0.90	0.292	(0.299)	0.262	0.029
171	14.25	0.90	0.292	(0.297)	0.262	0.029
172	14.33	0.87	0.281	(0.296)	0.253	0.028
173	14.42	0.87	0.281	(0.294)	0.253	0.028
174	14.50	0.87	0.281	(0.293)	0.253	0.028
175	14.58	0.87	0.281	(0.291)	0.253	0.028
176	14.67	0.87	0.281	(0.290)	0.253	0.028
177	14.75	0.87	0.281	(0.288)	0.253	0.028
178	14.83	0.83	0.270	(0.287)	0.243	0.027
179	14.92	0.83	0.270	(0.285)	0.243	0.027
180	15.00	0.83	0.270	(0.284)	0.243	0.027
181	15.08	0.80	0.259	(0.282)	0.233	0.026
182	15.17	0.80	0.259	(0.281)	0.233	0.026
183	15.25	0.80	0.259	(0.280)	0.233	0.026
184	15.33	0.77	0.248	(0.278)	0.224	0.025
185	15.42	0.77	0.248	(0.277)	0.224	0.025
186	15.50	0.77	0.248	(0.275)	0.224	0.025
187	15.58	0.63	0.205	(0.274)	0.185	0.021
188	15.67	0.63	0.205	(0.272)	0.185	0.021
189	15.75	0.63	0.205	(0.271)	0.185	0.021
190	15.83	0.63	0.205	(0.270)	0.185	0.021
191	15.92	0.63	0.205	(0.268)	0.185	0.021
192	16.00	0.63	0.205	(0.267)	0.185	0.021
193	16.08	0.13	0.043	(0.266)	0.039	0.004
194	16.17	0.13	0.043	(0.264)	0.039	0.004
195	16.25	0.13	0.043	(0.263)	0.039	0.004
196	16.33	0.13	0.043	(0.262)	0.039	0.004
197	16.42	0.13	0.043	(0.260)	0.039	0.004
198	16.50	0.13	0.043	(0.259)	0.039	0.004
199	16.58	0.10	0.032	(0.258)	0.029	0.003
200	16.67	0.10	0.032	(0.256)	0.029	0.003
201	16.75	0.10	0.032	(0.255)	0.029	0.003
202	16.83	0.10	0.032	(0.254)	0.029	0.003
203	16.92	0.10	0.032	(0.252)	0.029	0.003
204	17.00	0.10	0.032	(0.251)	0.029	0.003
205	17.08	0.17	0.054	(0.250)	0.049	0.005
206	17.17	0.17	0.054	(0.249)	0.049	0.005
207	17.25	0.17	0.054	(0.247)	0.049	0.005
208	17.33	0.17	0.054	(0.246)	0.049	0.005
209	17.42	0.17	0.054	(0.245)	0.049	0.005
210	17.50	0.17	0.054	(0.244)	0.049	0.005
211	17.58	0.17	0.054	(0.242)	0.049	0.005
212	17.67	0.17	0.054	(0.241)	0.049	0.005
213	17.75	0.17	0.054	(0.240)	0.049	0.005
214	17.83	0.13	0.043	(0.239)	0.039	0.004
215	17.92	0.13	0.043	(0.238)	0.039	0.004
216	18.00	0.13	0.043	(0.236)	0.039	0.004
217	18.08	0.13	0.043	(0.235)	0.039	0.004
218	18.17	0.13	0.043	(0.234)	0.039	0.004
219	18.25	0.13	0.043	(0.233)	0.039	0.004
220	18.33	0.13	0.043	(0.232)	0.039	0.004
221	18.42	0.13	0.043	(0.231)	0.039	0.004
222	18.50	0.13	0.043	(0.230)	0.039	0.004
223	18.58	0.10	0.032	(0.228)	0.029	0.003
224	18.67	0.10	0.032	(0.227)	0.029	0.003
225	18.75	0.10	0.032	(0.226)	0.029	0.003
226	18.83	0.07	0.022	(0.225)	0.019	0.002
227	18.92	0.07	0.022	(0.224)	0.019	0.002
228	19.00	0.07	0.022	(0.223)	0.019	0.002
229	19.08	0.10	0.032	(0.222)	0.029	0.003
230	19.17	0.10	0.032	(0.221)	0.029	0.003
231	19.25	0.10	0.032	(0.220)	0.029	0.003
232	19.33	0.13	0.043	(0.219)	0.039	0.004

233	19.42	0.13	0.043	(0.218)	0.039	0.004
234	19.50	0.13	0.043	(0.217)	0.039	0.004
235	19.58	0.10	0.032	(0.216)	0.029	0.003
236	19.67	0.10	0.032	(0.215)	0.029	0.003
237	19.75	0.10	0.032	(0.214)	0.029	0.003
238	19.83	0.07	0.022	(0.213)	0.019	0.002
239	19.92	0.07	0.022	(0.212)	0.019	0.002
240	20.00	0.07	0.022	(0.211)	0.019	0.002
241	20.08	0.10	0.032	(0.210)	0.029	0.003
242	20.17	0.10	0.032	(0.209)	0.029	0.003
243	20.25	0.10	0.032	(0.208)	0.029	0.003
244	20.33	0.10	0.032	(0.207)	0.029	0.003
245	20.42	0.10	0.032	(0.207)	0.029	0.003
246	20.50	0.10	0.032	(0.206)	0.029	0.003
247	20.58	0.10	0.032	(0.205)	0.029	0.003
248	20.67	0.10	0.032	(0.204)	0.029	0.003
249	20.75	0.10	0.032	(0.203)	0.029	0.003
250	20.83	0.07	0.022	(0.202)	0.019	0.002
251	20.92	0.07	0.022	(0.201)	0.019	0.002
252	21.00	0.07	0.022	(0.201)	0.019	0.002
253	21.08	0.10	0.032	(0.200)	0.029	0.003
254	21.17	0.10	0.032	(0.199)	0.029	0.003
255	21.25	0.10	0.032	(0.198)	0.029	0.003
256	21.33	0.07	0.022	(0.198)	0.019	0.002
257	21.42	0.07	0.022	(0.197)	0.019	0.002
258	21.50	0.07	0.022	(0.196)	0.019	0.002
259	21.58	0.10	0.032	(0.195)	0.029	0.003
260	21.67	0.10	0.032	(0.195)	0.029	0.003
261	21.75	0.10	0.032	(0.194)	0.029	0.003
262	21.83	0.07	0.022	(0.193)	0.019	0.002
263	21.92	0.07	0.022	(0.193)	0.019	0.002
264	22.00	0.07	0.022	(0.192)	0.019	0.002
265	22.08	0.10	0.032	(0.191)	0.029	0.003
266	22.17	0.10	0.032	(0.191)	0.029	0.003
267	22.25	0.10	0.032	(0.190)	0.029	0.003
268	22.33	0.07	0.022	(0.189)	0.019	0.002
269	22.42	0.07	0.022	(0.189)	0.019	0.002
270	22.50	0.07	0.022	(0.188)	0.019	0.002
271	22.58	0.07	0.022	(0.188)	0.019	0.002
272	22.67	0.07	0.022	(0.187)	0.019	0.002
273	22.75	0.07	0.022	(0.187)	0.019	0.002
274	22.83	0.07	0.022	(0.186)	0.019	0.002
275	22.92	0.07	0.022	(0.186)	0.019	0.002
276	23.00	0.07	0.022	(0.185)	0.019	0.002
277	23.08	0.07	0.022	(0.185)	0.019	0.002
278	23.17	0.07	0.022	(0.184)	0.019	0.002
279	23.25	0.07	0.022	(0.184)	0.019	0.002
280	23.33	0.07	0.022	(0.184)	0.019	0.002
281	23.42	0.07	0.022	(0.183)	0.019	0.002
282	23.50	0.07	0.022	(0.183)	0.019	0.002
283	23.58	0.07	0.022	(0.183)	0.019	0.002
284	23.67	0.07	0.022	(0.182)	0.019	0.002
285	23.75	0.07	0.022	(0.182)	0.019	0.002
286	23.83	0.07	0.022	(0.182)	0.019	0.002
287	23.92	0.07	0.022	(0.182)	0.019	0.002
288	24.00	0.07	0.022	(0.182)	0.019	0.002

(Loss Rate Not Used)

Sum = 100.0 Sum = 3.3

Flood volume = Effective rainfall 0.28(In)
times area 16.7(Ac.)/[(In)/(Ft.)] = 0.4(Ac.Ft)
Total soil loss = 2.42(In)
Total soil loss = 3.369(Ac.Ft)
Total rainfall = 2.70(In)
Flood volume = 16815.1 Cubic Feet
Total soil loss = 146758.2 Cubic Feet

Peak flow rate of this hydrograph = 0.882(CFS)

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.01	Q				
0+10	0.0002	0.02	Q				
0+15	0.0004	0.03	Q				
0+20	0.0006	0.03	Q				
0+25	0.0009	0.04	Q				
0+30	0.0013	0.05	Q				
0+35	0.0016	0.05	Q				
0+40	0.0020	0.05	Q				
0+45	0.0024	0.05	Q				
0+50	0.0028	0.06	Q				
0+55	0.0032	0.07	Q				
1+ 0	0.0037	0.07	Q				
1+ 5	0.0041	0.07	Q				
1+10	0.0046	0.06	Q				
1+15	0.0050	0.06	Q				
1+20	0.0053	0.06	Q				
1+25	0.0057	0.06	Q				
1+30	0.0061	0.06	Q				
1+35	0.0065	0.06	Q				
1+40	0.0069	0.05	Q				
1+45	0.0072	0.05	Q				
1+50	0.0076	0.06	Q				
1+55	0.0081	0.07	Q				
2+ 0	0.0086	0.07	Q				
2+ 5	0.0090	0.07	Q				
2+10	0.0095	0.07	Q				
2+15	0.0100	0.07	QV				
2+20	0.0105	0.07	QV				
2+25	0.0110	0.07	QV				
2+30	0.0115	0.07	QV				
2+35	0.0120	0.08	QV				
2+40	0.0126	0.08	QV				
2+45	0.0132	0.09	QV				
2+50	0.0138	0.09	QV				
2+55	0.0145	0.09	QV				
3+ 0	0.0151	0.09	QV				
3+ 5	0.0157	0.09	QV				
3+10	0.0163	0.09	QV				
3+15	0.0169	0.09	QV				
3+20	0.0176	0.09	QV				
3+25	0.0182	0.09	QV				
3+30	0.0188	0.09	QV				
3+35	0.0194	0.09	Q V				
3+40	0.0201	0.09	Q V				
3+45	0.0207	0.09	Q V				
3+50	0.0213	0.09	Q V				
3+55	0.0221	0.10	Q V				
4+ 0	0.0228	0.11	Q V				
4+ 5	0.0235	0.11	Q V				
4+10	0.0243	0.11	Q V				
4+15	0.0250	0.11	Q V				
4+20	0.0258	0.11	Q V				
4+25	0.0266	0.12	Q V				
4+30	0.0274	0.12	Q V				
4+35	0.0283	0.12	Q V				

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 4+40       0.0292      0.13  Q  V      |          |          |          |
 4+45       0.0300      0.13  Q  V      |          |          |          |
 4+50       0.0309      0.13  Q  V      |          |          |          |
 4+55       0.0319      0.14  Q  V      |          |          |          |
 5+ 0       0.0329      0.14  Q  V      |          |          |          |
 5+ 5       0.0338      0.14  Q  V      |          |          |          |
 5+10       0.0346      0.12  Q  V      |          |          |          |
 5+15       0.0354      0.12  Q  V      |          |          |          |
 5+20       0.0362      0.12  Q  V      |          |          |          |
 5+25       0.0371      0.12  Q  V      |          |          |          |
 5+30       0.0379      0.13  Q  V      |          |          |          |
 5+35       0.0388      0.13  Q   V     |          |          |          |
 5+40       0.0398      0.14  Q   V     |          |          |          |
 5+45       0.0408      0.14  Q   V     |          |          |          |
 5+50       0.0417      0.14  Q   V     |          |          |          |
 5+55       0.0427      0.14  Q   V     |          |          |          |
 6+ 0       0.0437      0.14  Q   V     |          |          |          |
 6+ 5       0.0447      0.15  Q   V     |          |          |          |
 6+10       0.0458      0.16  Q   V     |          |          |          |
 6+15       0.0469      0.16  Q   V     |          |          |          |
 6+20       0.0480      0.16  Q   V     |          |          |          |
 6+25       0.0491      0.16  Q    V    |          |          |          |
 6+30       0.0503      0.16  Q    V    |          |          |          |
 6+35       0.0514      0.17  Q    V    |          |          |          |
 6+40       0.0526      0.17  Q    V    |          |          |          |
 6+45       0.0538      0.18  Q    V    |          |          |          |
 6+50       0.0551      0.18  Q    V    |          |          |          |
 6+55       0.0563      0.18  Q    V    |          |          |          |
 7+ 0       0.0576      0.18  Q    V    |          |          |          |
 7+ 5       0.0588      0.18  Q     V   |          |          |          |
 7+10       0.0601      0.18  Q     V   |          |          |          |
 7+15       0.0613      0.18  Q     V   |          |          |          |
 7+20       0.0626      0.18  Q     V   |          |          |          |
 7+25       0.0639      0.19  Q     V   |          |          |          |
 7+30       0.0653      0.20  Q     V   |          |          |          |
 7+35       0.0666      0.20  Q     V   |          |          |          |
 7+40       0.0681      0.21  Q      V  |          |          |          |
 7+45       0.0696      0.21  Q      V  |          |          |          |
 7+50       0.0711      0.22  Q      V  |          |          |          |
 7+55       0.0726      0.23  Q      V  |          |          |          |
 8+ 0       0.0742      0.23  Q      V  |          |          |          |
 8+ 5       0.0759      0.24  Q      V  |          |          |          |
 8+10       0.0776      0.26  |Q      V |          |          |          |
 8+15       0.0795      0.26  |Q      V |          |          |          |
 8+20       0.0813      0.27  |Q      V |          |          |          |
 8+25       0.0832      0.27  |Q      V |          |          |          |
 8+30       0.0850      0.27  |Q      V |          |          |          |
 8+35       0.0869      0.27  |Q       V|          |          |          |
 8+40       0.0889      0.28  |Q       V|          |          |          |
 8+45       0.0908      0.29  |Q       V|          |          |          |
 8+50       0.0928      0.29  |Q       V|          |          |          |
 8+55       0.0949      0.30  |Q       V|          |          |          |
 9+ 0       0.0970      0.30  |Q        V          |          |          |
 9+ 5       0.0992      0.31  |Q        V          |          |          |
 9+10       0.1014      0.33  |Q        V          |          |          |
 9+15       0.1038      0.34  |Q        V          |          |          |
 9+20       0.1061      0.34  |Q        V          |          |          |
 9+25       0.1086      0.35  |Q        |V         |          |          |
 9+30       0.1110      0.36  |Q        |V         |          |          |
 9+35       0.1135      0.36  |Q        |V         |          |          |
 9+40       0.1161      0.37  |Q        | V        |          |          |
 9+45       0.1187      0.38  |Q        | V        |          |          |
 9+50       0.1213      0.38  |Q        | V        |          |          |
 9+55       0.1240      0.39  |Q        | V        |          |          |
10+ 0       0.1267      0.40  |Q        |  V       |          |          |
10+ 5       0.1293      0.38  |Q        |  V       |          |          |
10+10       0.1315      0.32  |Q        |  V       |          |          |
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10+15       0.1336      0.30  |Q        |  V       |          |          |
10+20       0.1356      0.29  |Q        |   V      |          |          |
10+25       0.1375      0.28  |Q        |   V      |          |          |
10+30       0.1394      0.28  |Q        |   V      |          |          |
10+35       0.1414      0.29  |Q        |   V      |          |          |
10+40       0.1437      0.33  |Q        |   V      |          |          |
10+45       0.1461      0.35  |Q        |    V     |          |          |
10+50       0.1485      0.35  |Q        |    V     |          |          |
10+55       0.1510      0.36  |Q        |    V     |          |          |
11+ 0       0.1534      0.36  |Q        |    V     |          |          |
11+ 5       0.1559      0.36  |Q        |     V    |          |          |
11+10       0.1583      0.35  |Q        |     V    |          |          |
11+15       0.1607      0.35  |Q        |     V    |          |          |
11+20       0.1631      0.35  |Q        |     V    |          |          |
11+25       0.1655      0.35  |Q        |      V   |          |          |
11+30       0.1679      0.35  |Q        |      V   |          |          |
11+35       0.1702      0.34  |Q        |      V   |          |          |
11+40       0.1724      0.32  |Q        |      V   |          |          |
11+45       0.1746      0.32  |Q        |       V  |          |          |
11+50       0.1768      0.32  |Q        |       V  |          |          |
11+55       0.1790      0.32  |Q        |       V  |          |          |
12+ 0       0.1813      0.33  |Q        |       V  |          |          |
12+ 5       0.1837      0.35  |Q        |        V |          |          |
12+10       0.1864      0.41  |Q        |        V |          |          |
12+15       0.1894      0.43  |Q        |        V |          |          |
12+20       0.1924      0.44  |Q        |        V |          |          |
12+25       0.1956      0.46  |Q        |         V|          |          |
12+30       0.1988      0.46  |Q        |         V|          |          |
12+35       0.2020      0.47  |Q        |         V|          |          |
12+40       0.2054      0.49  |Q        |          V          |          |
12+45       0.2088      0.50  | Q       |          V          |          |
12+50       0.2123      0.51  | Q       |          | V        |          |
12+55       0.2159      0.52  | Q       |          | V        |          |
13+ 0       0.2195      0.52  | Q       |          | V        |          |
13+ 5       0.2234      0.57  | Q       |          |  V       |          |
13+10       0.2282      0.70  | Q       |          |  V       |          |
13+15       0.2335      0.77  |  Q      |          |   V      |          |
13+20       0.2391      0.81  |  Q      |          |   V      |          |
13+25       0.2450      0.85  |  Q      |          |    V     |          |
13+30       0.2510      0.88  |  Q      |          |     V    |          |
13+35       0.2567      0.83  |  Q      |          |     V    |          |
13+40       0.2609      0.60  | Q       |          |      V   |          |
13+45       0.2644      0.51  | Q       |          |      V   |          |
13+50       0.2677      0.48  |Q        |          |      V   |          |
13+55       0.2708      0.46  |Q        |          |       V  |          |
14+ 0       0.2739      0.44  |Q        |          |       V  |          |
14+ 5       0.2769      0.44  |Q        |          |       V  |          |
14+10       0.2802      0.47  |Q        |          |        V |          |
14+15       0.2835      0.48  |Q        |          |        V |          |
14+20       0.2868      0.48  |Q        |          |        V |          |
14+25       0.2900      0.47  |Q        |          |         V          |
14+30       0.2933      0.47  |Q        |          |         V          |
14+35       0.2965      0.47  |Q        |          |         V          |
14+40       0.2998      0.47  |Q        |          |          V         |
14+45       0.3031      0.47  |Q        |          |          V         |
14+50       0.3063      0.47  |Q        |          |          V         |
14+55       0.3095      0.46  |Q        |          |          | V       |
15+ 0       0.3126      0.46  |Q        |          |          | V       |
15+ 5       0.3158      0.45  |Q        |          |          | V       |
15+10       0.3188      0.44  |Q        |          |          |  V      |
15+15       0.3218      0.44  |Q        |          |          |  V      |
15+20       0.3249      0.44  |Q        |          |          |  V      |
15+25       0.3278      0.43  |Q        |          |          |  V      |
15+30       0.3307      0.42  |Q        |          |          |   V     |
15+35       0.3335      0.41  |Q        |          |          |   V     |
15+40       0.3361      0.37  |Q        |          |          |   V     |
15+45       0.3386      0.36  |Q        |          |          |    V    |
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15+50       0.3410      0.35  |Q        |          |          |    V     |
15+55       0.3434      0.35  |Q        |          |          |    V     |
16+ 0       0.3459      0.35  |Q        |          |          |    V     |
16+ 5       0.3480      0.31  |Q        |          |          |     V    |
16+10       0.3492      0.18  Q         |          |          |     V    |
16+15       0.3501      0.13  Q         |          |          |     V    |
16+20       0.3508      0.11  Q         |          |          |     V    |
16+25       0.3514      0.09  Q         |          |          |     V    |
16+30       0.3520      0.09  Q         |          |          |     V    |
16+35       0.3526      0.08  Q         |          |          |     V    |
16+40       0.3530      0.07  Q         |          |          |     V    |
16+45       0.3534      0.06  Q         |          |          |     V    |
16+50       0.3538      0.06  Q         |          |          |     V    |
16+55       0.3542      0.06  Q         |          |          |     V    |
17+ 0       0.3546      0.06  Q         |          |          |     V    |
17+ 5       0.3550      0.06  Q         |          |          |     V    |
17+10       0.3555      0.08  Q         |          |          |     V    |
17+15       0.3561      0.08  Q         |          |          |     V    |
17+20       0.3567      0.09  Q         |          |          |     V    |
17+25       0.3573      0.09  Q         |          |          |      V   |
17+30       0.3579      0.09  Q         |          |          |      V   |
17+35       0.3585      0.09  Q         |          |          |      V   |
17+40       0.3592      0.09  Q         |          |          |      V   |
17+45       0.3598      0.09  Q         |          |          |      V   |
17+50       0.3604      0.09  Q         |          |          |      V   |
17+55       0.3609      0.08  Q         |          |          |      V   |
18+ 0       0.3615      0.08  Q         |          |          |      V   |
18+ 5       0.3620      0.07  Q         |          |          |      V   |
18+10       0.3625      0.07  Q         |          |          |      V   |
18+15       0.3630      0.07  Q         |          |          |      V   |
18+20       0.3635      0.07  Q         |          |          |      V   |
18+25       0.3640      0.07  Q         |          |          |      V   |
18+30       0.3645      0.07  Q         |          |          |      V   |
18+35       0.3650      0.07  Q         |          |          |      V   |
18+40       0.3654      0.06  Q         |          |          |      V   |
18+45       0.3658      0.06  Q         |          |          |      V   |
18+50       0.3662      0.05  Q         |          |          |      V   |
18+55       0.3665      0.04  Q         |          |          |      V   |
19+ 0       0.3668      0.04  Q         |          |          |       V  |
19+ 5       0.3671      0.04  Q         |          |          |       V  |
19+10       0.3674      0.05  Q         |          |          |       V  |
19+15       0.3678      0.05  Q         |          |          |       V  |
19+20       0.3681      0.06  Q         |          |          |       V  |
19+25       0.3686      0.06  Q         |          |          |       V  |
19+30       0.3691      0.07  Q         |          |          |       V  |
19+35       0.3695      0.07  Q         |          |          |       V  |
19+40       0.3699      0.06  Q         |          |          |       V  |
19+45       0.3703      0.06  Q         |          |          |       V  |
19+50       0.3707      0.05  Q         |          |          |       V  |
19+55       0.3710      0.04  Q         |          |          |       V  |
20+ 0       0.3713      0.04  Q         |          |          |       V  |
20+ 5       0.3716      0.04  Q         |          |          |       V  |
20+10       0.3719      0.05  Q         |          |          |       V  |
20+15       0.3723      0.05  Q         |          |          |       V  |
20+20       0.3726      0.05  Q         |          |          |       V  |
20+25       0.3730      0.05  Q         |          |          |       V  |
20+30       0.3734      0.05  Q         |          |          |       V  |
20+35       0.3737      0.05  Q         |          |          |       V  |
20+40       0.3741      0.05  Q         |          |          |       V  |
20+45       0.3745      0.05  Q         |          |          |       V  |
20+50       0.3748      0.05  Q         |          |          |       V  |
20+55       0.3751      0.04  Q         |          |          |       V  |
21+ 0       0.3754      0.04  Q         |          |          |       V  |
21+ 5       0.3757      0.04  Q         |          |          |       V  |
21+10       0.3760      0.05  Q         |          |          |       V  |
21+15       0.3764      0.05  Q         |          |          |        V |
21+20       0.3767      0.05  Q         |          |          |        V |
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21+25	0.3770	0.04	Q	|	|	|	V|
21+30	0.3773	0.04	Q	|	|	|	V|
21+35	0.3776	0.04	Q	|	|	|	V|
21+40	0.3779	0.05	Q	|	|	|	V|
21+45	0.3783	0.05	Q	|	|	|	V|
21+50	0.3786	0.05	Q	|	|	|	V|
21+55	0.3789	0.04	Q	|	|	|	V|
22+ 0	0.3792	0.04	Q	|	|	|	V|
22+ 5	0.3795	0.04	Q	|	|	|	V|
22+10	0.3798	0.05	Q	|	|	|	V|
22+15	0.3801	0.05	Q	|	|	|	V|
22+20	0.3805	0.05	Q	|	|	|	V|
22+25	0.3808	0.04	Q	|	|	|	V|
22+30	0.3811	0.04	Q	|	|	|	V|
22+35	0.3813	0.04	Q	|	|	|	V|
22+40	0.3816	0.04	Q	|	|	|	V|
22+45	0.3818	0.04	Q	|	|	|	V|
22+50	0.3821	0.04	Q	|	|	|	V|
22+55	0.3823	0.04	Q	|	|	|	V|
23+ 0	0.3826	0.04	Q	|	|	|	V|
23+ 5	0.3828	0.04	Q	|	|	|	V|
23+10	0.3831	0.04	Q	|	|	|	V|
23+15	0.3833	0.04	Q	|	|	|	V|
23+20	0.3836	0.04	Q	|	|	|	V|
23+25	0.3838	0.04	Q	|	|	|	V|
23+30	0.3841	0.04	Q	|	|	|	V|
23+35	0.3843	0.04	Q	|	|	|	V|
23+40	0.3846	0.04	Q	|	|	|	V|
23+45	0.3848	0.04	Q	|	|	|	V|
23+50	0.3851	0.04	Q	|	|	|	V|
23+55	0.3853	0.04	Q	|	|	|	V|
24+ 0	0.3856	0.04	Q	|	|	|	V|
24+ 5	0.3858	0.03	Q	|	|	|	V|
24+10	0.3859	0.01	Q	|	|	|	V|
24+15	0.3859	0.01	Q	|	|	|	V|
24+20	0.3860	0.00	Q	|	|	|	V|
24+25	0.3860	0.00	Q	|	|	|	V|
24+30	0.3860	0.00	Q	|	|	|	V|
24+35	0.3860	0.00	Q	|	|	|	V|
24+40	0.3860	0.00	Q	|	|	|	V|
24+45	0.3860	0.00	Q	|	|	|	V

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/17/21 File: RVPRF242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN F- PROPOSED UNIT HYDROGRAPH
2YR-24HRS

Drainage Area = 16.69(Ac.) = 0.026 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 16.69(Ac.) = 0.026 Sq. Mi.
Length along longest watercourse = 791.00(Ft.)
Length along longest watercourse measured to centroid = 467.00(Ft.)
Length along longest watercourse = 0.150 Mi.
Length along longest watercourse measured to centroid = 0.088 Mi.
Difference in elevation = 20.00(Ft.)
Slope along watercourse = 133.5019 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.65 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	2.70	45.06

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	7.00	116.83

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
16.690	59.50	0.822

Total Area Entered = 16.69(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
      AMC2 AMC-1     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
      59.5  39.5      0.675     0.822        0.176       1.000      0.176
                                                        Sum (F) =   0.176
      Area averaged mean soil loss (F) (In/Hr) =  0.176
      Minimum soil loss rate ((In/Hr)) =  0.088
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.242
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        303.328         57.019              9.591
          2   0.167        606.657         36.946              6.214
          3   0.250        909.985          6.035              1.015
                                    Sum = 100.000   Sum=      16.820
-------------------------------------------------------------------------
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The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.311)	0.005	0.016
2	0.17	0.07	0.022	(0.310)	0.005	0.016
3	0.25	0.07	0.022	(0.309)	0.005	0.016
4	0.33	0.10	0.032	(0.308)	0.008	0.025
5	0.42	0.10	0.032	(0.306)	0.008	0.025
6	0.50	0.10	0.032	(0.305)	0.008	0.025
7	0.58	0.10	0.032	(0.304)	0.008	0.025
8	0.67	0.10	0.032	(0.303)	0.008	0.025
9	0.75	0.10	0.032	(0.302)	0.008	0.025
10	0.83	0.13	0.043	(0.300)	0.010	0.033
11	0.92	0.13	0.043	(0.299)	0.010	0.033
12	1.00	0.13	0.043	(0.298)	0.010	0.033
13	1.08	0.10	0.032	(0.297)	0.008	0.025
14	1.17	0.10	0.032	(0.296)	0.008	0.025
15	1.25	0.10	0.032	(0.294)	0.008	0.025
16	1.33	0.10	0.032	(0.293)	0.008	0.025
17	1.42	0.10	0.032	(0.292)	0.008	0.025
18	1.50	0.10	0.032	(0.291)	0.008	0.025
19	1.58	0.10	0.032	(0.290)	0.008	0.025
20	1.67	0.10	0.032	(0.289)	0.008	0.025
21	1.75	0.10	0.032	(0.288)	0.008	0.025
22	1.83	0.13	0.043	(0.286)	0.010	0.033
23	1.92	0.13	0.043	(0.285)	0.010	0.033
24	2.00	0.13	0.043	(0.284)	0.010	0.033
25	2.08	0.13	0.043	(0.283)	0.010	0.033
26	2.17	0.13	0.043	(0.282)	0.010	0.033
27	2.25	0.13	0.043	(0.281)	0.010	0.033
28	2.33	0.13	0.043	(0.279)	0.010	0.033
29	2.42	0.13	0.043	(0.278)	0.010	0.033
30	2.50	0.13	0.043	(0.277)	0.010	0.033
31	2.58	0.17	0.054	(0.276)	0.013	0.041
32	2.67	0.17	0.054	(0.275)	0.013	0.041
33	2.75	0.17	0.054	(0.274)	0.013	0.041
34	2.83	0.17	0.054	(0.273)	0.013	0.041
35	2.92	0.17	0.054	(0.272)	0.013	0.041
36	3.00	0.17	0.054	(0.270)	0.013	0.041
37	3.08	0.17	0.054	(0.269)	0.013	0.041
38	3.17	0.17	0.054	(0.268)	0.013	0.041

39	3.25	0.17	0.054	(0.267)	0.013	0.041
40	3.33	0.17	0.054	(0.266)	0.013	0.041
41	3.42	0.17	0.054	(0.265)	0.013	0.041
42	3.50	0.17	0.054	(0.264)	0.013	0.041
43	3.58	0.17	0.054	(0.263)	0.013	0.041
44	3.67	0.17	0.054	(0.262)	0.013	0.041
45	3.75	0.17	0.054	(0.260)	0.013	0.041
46	3.83	0.20	0.065	(0.259)	0.016	0.049
47	3.92	0.20	0.065	(0.258)	0.016	0.049
48	4.00	0.20	0.065	(0.257)	0.016	0.049
49	4.08	0.20	0.065	(0.256)	0.016	0.049
50	4.17	0.20	0.065	(0.255)	0.016	0.049
51	4.25	0.20	0.065	(0.254)	0.016	0.049
52	4.33	0.23	0.076	(0.253)	0.018	0.057
53	4.42	0.23	0.076	(0.252)	0.018	0.057
54	4.50	0.23	0.076	(0.251)	0.018	0.057
55	4.58	0.23	0.076	(0.250)	0.018	0.057
56	4.67	0.23	0.076	(0.248)	0.018	0.057
57	4.75	0.23	0.076	(0.247)	0.018	0.057
58	4.83	0.27	0.086	(0.246)	0.021	0.065
59	4.92	0.27	0.086	(0.245)	0.021	0.065
60	5.00	0.27	0.086	(0.244)	0.021	0.065
61	5.08	0.20	0.065	(0.243)	0.016	0.049
62	5.17	0.20	0.065	(0.242)	0.016	0.049
63	5.25	0.20	0.065	(0.241)	0.016	0.049
64	5.33	0.23	0.076	(0.240)	0.018	0.057
65	5.42	0.23	0.076	(0.239)	0.018	0.057
66	5.50	0.23	0.076	(0.238)	0.018	0.057
67	5.58	0.27	0.086	(0.237)	0.021	0.065
68	5.67	0.27	0.086	(0.236)	0.021	0.065
69	5.75	0.27	0.086	(0.235)	0.021	0.065
70	5.83	0.27	0.086	(0.234)	0.021	0.065
71	5.92	0.27	0.086	(0.233)	0.021	0.065
72	6.00	0.27	0.086	(0.232)	0.021	0.065
73	6.08	0.30	0.097	(0.231)	0.024	0.074
74	6.17	0.30	0.097	(0.230)	0.024	0.074
75	6.25	0.30	0.097	(0.229)	0.024	0.074
76	6.33	0.30	0.097	(0.228)	0.024	0.074
77	6.42	0.30	0.097	(0.227)	0.024	0.074
78	6.50	0.30	0.097	(0.226)	0.024	0.074
79	6.58	0.33	0.108	(0.225)	0.026	0.082
80	6.67	0.33	0.108	(0.224)	0.026	0.082
81	6.75	0.33	0.108	(0.222)	0.026	0.082
82	6.83	0.33	0.108	(0.221)	0.026	0.082
83	6.92	0.33	0.108	(0.220)	0.026	0.082
84	7.00	0.33	0.108	(0.219)	0.026	0.082
85	7.08	0.33	0.108	(0.218)	0.026	0.082
86	7.17	0.33	0.108	(0.217)	0.026	0.082
87	7.25	0.33	0.108	(0.217)	0.026	0.082
88	7.33	0.37	0.119	(0.216)	0.029	0.090
89	7.42	0.37	0.119	(0.215)	0.029	0.090
90	7.50	0.37	0.119	(0.214)	0.029	0.090
91	7.58	0.40	0.130	(0.213)	0.031	0.098
92	7.67	0.40	0.130	(0.212)	0.031	0.098
93	7.75	0.40	0.130	(0.211)	0.031	0.098
94	7.83	0.43	0.140	(0.210)	0.034	0.106
95	7.92	0.43	0.140	(0.209)	0.034	0.106
96	8.00	0.43	0.140	(0.208)	0.034	0.106
97	8.08	0.50	0.162	(0.207)	0.039	0.123
98	8.17	0.50	0.162	(0.206)	0.039	0.123
99	8.25	0.50	0.162	(0.205)	0.039	0.123
100	8.33	0.50	0.162	(0.204)	0.039	0.123
101	8.42	0.50	0.162	(0.203)	0.039	0.123
102	8.50	0.50	0.162	(0.202)	0.039	0.123
103	8.58	0.53	0.173	(0.201)	0.042	0.131
104	8.67	0.53	0.173	(0.200)	0.042	0.131
105	8.75	0.53	0.173	(0.199)	0.042	0.131

106	8.83	0.57	0.184	(0.198)	0.045	0.139
107	8.92	0.57	0.184	(0.197)	0.045	0.139
108	9.00	0.57	0.184	(0.196)	0.045	0.139
109	9.08	0.63	0.205	(0.195)	0.050	0.155
110	9.17	0.63	0.205	(0.194)	0.050	0.155
111	9.25	0.63	0.205	(0.194)	0.050	0.155
112	9.33	0.67	0.216	(0.193)	0.052	0.164
113	9.42	0.67	0.216	(0.192)	0.052	0.164
114	9.50	0.67	0.216	(0.191)	0.052	0.164
115	9.58	0.70	0.227	(0.190)	0.055	0.172
116	9.67	0.70	0.227	(0.189)	0.055	0.172
117	9.75	0.70	0.227	(0.188)	0.055	0.172
118	9.83	0.73	0.238	(0.187)	0.058	0.180
119	9.92	0.73	0.238	(0.186)	0.058	0.180
120	10.00	0.73	0.238	(0.185)	0.058	0.180
121	10.08	0.50	0.162	(0.184)	0.039	0.123
122	10.17	0.50	0.162	(0.184)	0.039	0.123
123	10.25	0.50	0.162	(0.183)	0.039	0.123
124	10.33	0.50	0.162	(0.182)	0.039	0.123
125	10.42	0.50	0.162	(0.181)	0.039	0.123
126	10.50	0.50	0.162	(0.180)	0.039	0.123
127	10.58	0.67	0.216	(0.179)	0.052	0.164
128	10.67	0.67	0.216	(0.178)	0.052	0.164
129	10.75	0.67	0.216	(0.177)	0.052	0.164
130	10.83	0.67	0.216	(0.177)	0.052	0.164
131	10.92	0.67	0.216	(0.176)	0.052	0.164
132	11.00	0.67	0.216	(0.175)	0.052	0.164
133	11.08	0.63	0.205	(0.174)	0.050	0.155
134	11.17	0.63	0.205	(0.173)	0.050	0.155
135	11.25	0.63	0.205	(0.172)	0.050	0.155
136	11.33	0.63	0.205	(0.171)	0.050	0.155
137	11.42	0.63	0.205	(0.171)	0.050	0.155
138	11.50	0.63	0.205	(0.170)	0.050	0.155
139	11.58	0.57	0.184	(0.169)	0.045	0.139
140	11.67	0.57	0.184	(0.168)	0.045	0.139
141	11.75	0.57	0.184	(0.167)	0.045	0.139
142	11.83	0.60	0.194	(0.166)	0.047	0.147
143	11.92	0.60	0.194	(0.165)	0.047	0.147
144	12.00	0.60	0.194	(0.165)	0.047	0.147
145	12.08	0.83	0.270	(0.164)	0.065	0.205
146	12.17	0.83	0.270	(0.163)	0.065	0.205
147	12.25	0.83	0.270	(0.162)	0.065	0.205
148	12.33	0.87	0.281	(0.161)	0.068	0.213
149	12.42	0.87	0.281	(0.161)	0.068	0.213
150	12.50	0.87	0.281	(0.160)	0.068	0.213
151	12.58	0.93	0.302	(0.159)	0.073	0.229
152	12.67	0.93	0.302	(0.158)	0.073	0.229
153	12.75	0.93	0.302	(0.157)	0.073	0.229
154	12.83	0.97	0.313	(0.157)	0.076	0.237
155	12.92	0.97	0.313	(0.156)	0.076	0.237
156	13.00	0.97	0.313	(0.155)	0.076	0.237
157	13.08	1.13	0.367	(0.154)	0.089	0.278
158	13.17	1.13	0.367	(0.153)	0.089	0.278
159	13.25	1.13	0.367	(0.153)	0.089	0.278
160	13.33	1.13	0.367	(0.152)	0.089	0.278
161	13.42	1.13	0.367	(0.151)	0.089	0.278
162	13.50	1.13	0.367	(0.150)	0.089	0.278
163	13.58	0.77	0.248	(0.150)	0.060	0.188
164	13.67	0.77	0.248	(0.149)	0.060	0.188
165	13.75	0.77	0.248	(0.148)	0.060	0.188
166	13.83	0.77	0.248	(0.147)	0.060	0.188
167	13.92	0.77	0.248	(0.147)	0.060	0.188
168	14.00	0.77	0.248	(0.146)	0.060	0.188
169	14.08	0.90	0.292	(0.145)	0.071	0.221
170	14.17	0.90	0.292	(0.144)	0.071	0.221
171	14.25	0.90	0.292	(0.144)	0.071	0.221
172	14.33	0.87	0.281	(0.143)	0.068	0.213

173	14.42	0.87	0.281	(0.142)	0.068	0.213
174	14.50	0.87	0.281	(0.141)	0.068	0.213
175	14.58	0.87	0.281	(0.141)	0.068	0.213
176	14.67	0.87	0.281	(0.140)	0.068	0.213
177	14.75	0.87	0.281	(0.139)	0.068	0.213
178	14.83	0.83	0.270	(0.138)	0.065	0.205
179	14.92	0.83	0.270	(0.138)	0.065	0.205
180	15.00	0.83	0.270	(0.137)	0.065	0.205
181	15.08	0.80	0.259	(0.136)	0.063	0.196
182	15.17	0.80	0.259	(0.136)	0.063	0.196
183	15.25	0.80	0.259	(0.135)	0.063	0.196
184	15.33	0.77	0.248	(0.134)	0.060	0.188
185	15.42	0.77	0.248	(0.134)	0.060	0.188
186	15.50	0.77	0.248	(0.133)	0.060	0.188
187	15.58	0.63	0.205	(0.132)	0.050	0.155
188	15.67	0.63	0.205	(0.132)	0.050	0.155
189	15.75	0.63	0.205	(0.131)	0.050	0.155
190	15.83	0.63	0.205	(0.130)	0.050	0.155
191	15.92	0.63	0.205	(0.130)	0.050	0.155
192	16.00	0.63	0.205	(0.129)	0.050	0.155
193	16.08	0.13	0.043	(0.128)	0.010	0.033
194	16.17	0.13	0.043	(0.128)	0.010	0.033
195	16.25	0.13	0.043	(0.127)	0.010	0.033
196	16.33	0.13	0.043	(0.126)	0.010	0.033
197	16.42	0.13	0.043	(0.126)	0.010	0.033
198	16.50	0.13	0.043	(0.125)	0.010	0.033
199	16.58	0.10	0.032	(0.124)	0.008	0.025
200	16.67	0.10	0.032	(0.124)	0.008	0.025
201	16.75	0.10	0.032	(0.123)	0.008	0.025
202	16.83	0.10	0.032	(0.122)	0.008	0.025
203	16.92	0.10	0.032	(0.122)	0.008	0.025
204	17.00	0.10	0.032	(0.121)	0.008	0.025
205	17.08	0.17	0.054	(0.121)	0.013	0.041
206	17.17	0.17	0.054	(0.120)	0.013	0.041
207	17.25	0.17	0.054	(0.119)	0.013	0.041
208	17.33	0.17	0.054	(0.119)	0.013	0.041
209	17.42	0.17	0.054	(0.118)	0.013	0.041
210	17.50	0.17	0.054	(0.118)	0.013	0.041
211	17.58	0.17	0.054	(0.117)	0.013	0.041
212	17.67	0.17	0.054	(0.116)	0.013	0.041
213	17.75	0.17	0.054	(0.116)	0.013	0.041
214	17.83	0.13	0.043	(0.115)	0.010	0.033
215	17.92	0.13	0.043	(0.115)	0.010	0.033
216	18.00	0.13	0.043	(0.114)	0.010	0.033
217	18.08	0.13	0.043	(0.114)	0.010	0.033
218	18.17	0.13	0.043	(0.113)	0.010	0.033
219	18.25	0.13	0.043	(0.112)	0.010	0.033
220	18.33	0.13	0.043	(0.112)	0.010	0.033
221	18.42	0.13	0.043	(0.111)	0.010	0.033
222	18.50	0.13	0.043	(0.111)	0.010	0.033
223	18.58	0.10	0.032	(0.110)	0.008	0.025
224	18.67	0.10	0.032	(0.110)	0.008	0.025
225	18.75	0.10	0.032	(0.109)	0.008	0.025
226	18.83	0.07	0.022	(0.109)	0.005	0.016
227	18.92	0.07	0.022	(0.108)	0.005	0.016
228	19.00	0.07	0.022	(0.108)	0.005	0.016
229	19.08	0.10	0.032	(0.107)	0.008	0.025
230	19.17	0.10	0.032	(0.107)	0.008	0.025
231	19.25	0.10	0.032	(0.106)	0.008	0.025
232	19.33	0.13	0.043	(0.106)	0.010	0.033
233	19.42	0.13	0.043	(0.105)	0.010	0.033
234	19.50	0.13	0.043	(0.105)	0.010	0.033
235	19.58	0.10	0.032	(0.104)	0.008	0.025
236	19.67	0.10	0.032	(0.104)	0.008	0.025
237	19.75	0.10	0.032	(0.103)	0.008	0.025
238	19.83	0.07	0.022	(0.103)	0.005	0.016
239	19.92	0.07	0.022	(0.102)	0.005	0.016

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240  20.00     0.07      0.022       (  0.102)       0.005        0.016
241  20.08     0.10      0.032       (  0.101)       0.008        0.025
242  20.17     0.10      0.032       (  0.101)       0.008        0.025
243  20.25     0.10      0.032       (  0.101)       0.008        0.025
244  20.33     0.10      0.032       (  0.100)       0.008        0.025
245  20.42     0.10      0.032       (  0.100)       0.008        0.025
246  20.50     0.10      0.032       (  0.099)       0.008        0.025
247  20.58     0.10      0.032       (  0.099)       0.008        0.025
248  20.67     0.10      0.032       (  0.098)       0.008        0.025
249  20.75     0.10      0.032       (  0.098)       0.008        0.025
250  20.83     0.07      0.022       (  0.098)       0.005        0.016
251  20.92     0.07      0.022       (  0.097)       0.005        0.016
252  21.00     0.07      0.022       (  0.097)       0.005        0.016
253  21.08     0.10      0.032       (  0.096)       0.008        0.025
254  21.17     0.10      0.032       (  0.096)       0.008        0.025
255  21.25     0.10      0.032       (  0.096)       0.008        0.025
256  21.33     0.07      0.022       (  0.095)       0.005        0.016
257  21.42     0.07      0.022       (  0.095)       0.005        0.016
258  21.50     0.07      0.022       (  0.095)       0.005        0.016
259  21.58     0.10      0.032       (  0.094)       0.008        0.025
260  21.67     0.10      0.032       (  0.094)       0.008        0.025
261  21.75     0.10      0.032       (  0.094)       0.008        0.025
262  21.83     0.07      0.022       (  0.093)       0.005        0.016
263  21.92     0.07      0.022       (  0.093)       0.005        0.016
264  22.00     0.07      0.022       (  0.093)       0.005        0.016
265  22.08     0.10      0.032       (  0.092)       0.008        0.025
266  22.17     0.10      0.032       (  0.092)       0.008        0.025
267  22.25     0.10      0.032       (  0.092)       0.008        0.025
268  22.33     0.07      0.022       (  0.091)       0.005        0.016
269  22.42     0.07      0.022       (  0.091)       0.005        0.016
270  22.50     0.07      0.022       (  0.091)       0.005        0.016
271  22.58     0.07      0.022       (  0.091)       0.005        0.016
272  22.67     0.07      0.022       (  0.090)       0.005        0.016
273  22.75     0.07      0.022       (  0.090)       0.005        0.016
274  22.83     0.07      0.022       (  0.090)       0.005        0.016
275  22.92     0.07      0.022       (  0.090)       0.005        0.016
276  23.00     0.07      0.022       (  0.089)       0.005        0.016
277  23.08     0.07      0.022       (  0.089)       0.005        0.016
278  23.17     0.07      0.022       (  0.089)       0.005        0.016
279  23.25     0.07      0.022       (  0.089)       0.005        0.016
280  23.33     0.07      0.022       (  0.089)       0.005        0.016
281  23.42     0.07      0.022       (  0.089)       0.005        0.016
282  23.50     0.07      0.022       (  0.088)       0.005        0.016
283  23.58     0.07      0.022       (  0.088)       0.005        0.016
284  23.67     0.07      0.022       (  0.088)       0.005        0.016
285  23.75     0.07      0.022       (  0.088)       0.005        0.016
286  23.83     0.07      0.022       (  0.088)       0.005        0.016
287  23.92     0.07      0.022       (  0.088)       0.005        0.016
288  24.00     0.07      0.022       (  0.088)       0.005        0.016
          (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    24.5
     Flood volume = Effective rainfall      2.05(In)
      times area      16.7(Ac.)/[(In)/(Ft.)] =       2.8(Ac.Ft)
     Total soil loss =      0.65(In)
     Total soil loss =     0.910(Ac.Ft)
     Total rainfall =      2.70(In)
     Flood volume =      123923.2 Cubic Feet
     Total soil loss =       39650.2 Cubic Feet
     ------------------------------------------------------------------
      Peak flow rate of this hydrograph =      4.682(CFS)
     ------------------------------------------------------------------
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        24 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))
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Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0011	0.16	Q				
0+10	0.0029	0.26	VQ				
0+15	0.0048	0.28	VQ				
0+20	0.0072	0.35	VQ				
0+25	0.0100	0.40	VQ				
0+30	0.0128	0.41	VQ				
0+35	0.0157	0.41	VQ				
0+40	0.0185	0.41	VQ				
0+45	0.0214	0.41	VQ				
0+50	0.0248	0.49	VQ				
0+55	0.0285	0.54	V Q				
1+ 0	0.0323	0.55	V Q				
1+ 5	0.0355	0.47	VQ				
1+10	0.0384	0.42	VQ				
1+15	0.0413	0.41	VQ				
1+20	0.0441	0.41	VQ				
1+25	0.0470	0.41	VQ				
1+30	0.0498	0.41	VQ				
1+35	0.0527	0.41	VQ				
1+40	0.0555	0.41	VQ				
1+45	0.0583	0.41	VQ				
1+50	0.0617	0.49	VQ				
1+55	0.0655	0.54	V Q				
2+ 0	0.0693	0.55	V Q				
2+ 5	0.0731	0.55	|VQ				
2+10	0.0768	0.55	|VQ				
2+15	0.0806	0.55	|VQ				
2+20	0.0844	0.55	|VQ				
2+25	0.0882	0.55	|VQ				
2+30	0.0920	0.55	|VQ				
2+35	0.0964	0.63	|VQ				
2+40	0.1010	0.68	|VQ				
2+45	0.1058	0.69	|VQ				
2+50	0.1105	0.69	|VQ				
2+55	0.1153	0.69	|VQ				
3+ 0	0.1200	0.69	|VQ				
3+ 5	0.1247	0.69	|VQ				
3+10	0.1295	0.69	|VQ				
3+15	0.1342	0.69	|VQ				
3+20	0.1390	0.69	|VQ				
3+25	0.1437	0.69	| Q				
3+30	0.1485	0.69	| Q				
3+35	0.1532	0.69	| Q				
3+40	0.1579	0.69	| Q				
3+45	0.1627	0.69	| Q				
3+50	0.1680	0.77	| VQ				
3+55	0.1736	0.82	| VQ				
4+ 0	0.1793	0.83	| VQ				
4+ 5	0.1850	0.83	| VQ				
4+10	0.1907	0.83	| VQ				
4+15	0.1964	0.83	| VQ				
4+20	0.2026	0.90	| VQ				
4+25	0.2092	0.96	| VQ				
4+30	0.2158	0.96	| Q				
4+35	0.2224	0.96	| Q				
4+40	0.2291	0.96	| Q				
4+45	0.2357	0.96	| Q				
4+50	0.2429	1.04	| VQ				
4+55	0.2504	1.09	| VQ				
5+ 0	0.2580	1.10	| VQ				
5+ 5	0.2645	0.94	| Q				
5+10	0.2703	0.84	| Q				
5+15	0.2760	0.83	| Q				
5+20	0.2822	0.90	| Q				

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 5+25       0.2888      0.96  |  QV     |          |          |          |
 5+30       0.2955      0.96  |  QV     |          |          |          |
 5+35       0.3026      1.04  |   Q     |          |          |          |
 5+40       0.3102      1.09  |   Q     |          |          |          |
 5+45       0.3178      1.10  |   Q     |          |          |          |
 5+50       0.3253      1.10  |   Q     |          |          |          |
 5+55       0.3329      1.10  |   Q     |          |          |          |
 6+ 0       0.3405      1.10  |   Q     |          |          |          |
 6+ 5       0.3486      1.18  |   Q     |          |          |          |
 6+10       0.3571      1.23  |   QV    |          |          |          |
 6+15       0.3657      1.24  |   QV    |          |          |          |
 6+20       0.3742      1.24  |   QV    |          |          |          |
 6+25       0.3827      1.24  |   QV    |          |          |          |
 6+30       0.3913      1.24  |   QV    |          |          |          |
 6+35       0.4003      1.32  |    Q    |          |          |          |
 6+40       0.4098      1.37  |    Q    |          |          |          |
 6+45       0.4192      1.38  |    Q    |          |          |          |
 6+50       0.4287      1.38  |    QV   |          |          |          |
 6+55       0.4382      1.38  |    QV   |          |          |          |
 7+ 0       0.4477      1.38  |    QV   |          |          |          |
 7+ 5       0.4572      1.38  |    QV   |          |          |          |
 7+10       0.4667      1.38  |    QV   |          |          |          |
 7+15       0.4761      1.38  |    QV   |          |          |          |
 7+20       0.4862      1.46  |    QV   |          |          |          |
 7+25       0.4965      1.51  |     Q   |          |          |          |
 7+30       0.5070      1.51  |     QV  |          |          |          |
 7+35       0.5179      1.59  |     QV  |          |          |          |
 7+40       0.5293      1.64  |     QV  |          |          |          |
 7+45       0.5406      1.65  |     QV  |          |          |          |
 7+50       0.5526      1.73  |     QV  |          |          |          |
 7+55       0.5648      1.78  |      Q  |          |          |          |
 8+ 0       0.5772      1.79  |      QV |          |          |          |
 8+ 5       0.5906      1.95  |      QV |          |          |          |
 8+10       0.6047      2.05  |       Q |          |          |          |
 8+15       0.6189      2.07  |       Q |          |          |          |
 8+20       0.6331      2.07  |       Q |          |          |          |
 8+25       0.6474      2.07  |       QV|          |          |          |
 8+30       0.6616      2.07  |       QV|          |          |          |
 8+35       0.6763      2.14  |       QV|          |          |          |
 8+40       0.6915      2.19  |       QV|          |          |          |
 8+45       0.7066      2.20  |       QV|          |          |          |
 8+50       0.7223      2.28  |        QV          |          |          |
 8+55       0.7384      2.33  |        QV          |          |          |
 9+ 0       0.7545      2.34  |        QV          |          |          |
 9+ 5       0.7717      2.50  |        QV          |          |          |
 9+10       0.7896      2.60  |         QV         |          |          |
 9+15       0.8077      2.62  |         QV         |          |          |
 9+20       0.8262      2.69  |         QV         |          |          |
 9+25       0.8451      2.75  |         QV         |          |          |
 9+30       0.8641      2.75  |         |QV         |          |          |
 9+35       0.8836      2.83  |         |QV         |          |          |
 9+40       0.9034      2.88  |         |QV         |          |          |
 9+45       0.9234      2.89  |         |QV         |          |          |
 9+50       0.9438      2.97  |         |Q V        |          |          |
 9+55       0.9646      3.02  |         | QV        |          |          |
10+ 0       0.9855      3.03  |         | QV        |          |          |
10+ 5       1.0026      2.48  |        Q|   V       |          |          |
10+10       1.0172      2.12  |       Q |   V       |          |          |
10+15       1.0314      2.07  |       Q |   V       |          |          |
10+20       1.0456      2.07  |       Q |   V       |          |          |
10+25       1.0599      2.07  |       Q |   V       |          |          |
10+30       1.0741      2.07  |       Q |    V      |          |          |
10+35       1.0910      2.46  |        Q|    V      |          |          |
10+40       1.1097      2.71  |         Q    V      |          |          |
10+45       1.1287      2.75  |         |Q   V      |          |          |
10+50       1.1476      2.75  |         |Q    V     |          |          |
10+55       1.1666      2.75  |         |Q    V     |          |          |
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11+ 0       1.1856      2.75  |          |Q    V   |          |          |
11+ 5       1.2040      2.68  |          Q     V   |          |          |
11+10       1.2221      2.62  |          Q      V  |          |          |
11+15       1.2401      2.62  |          Q      V  |          |          |
11+20       1.2581      2.62  |          Q      V  |          |          |
11+25       1.2761      2.62  |          Q      V  |          |          |
11+30       1.2941      2.62  |          Q       V |          |          |
11+35       1.3111      2.46  |         Q|       V |          |          |
11+40       1.3273      2.36  |         Q|       V |          |          |
11+45       1.3434      2.34  |         Q|       V |          |          |
11+50       1.3601      2.42  |         Q|        V|          |          |
11+55       1.3771      2.47  |         Q|        V|          |          |
12+ 0       1.3942      2.48  |         Q|        V|          |          |
12+ 5       1.4150      3.03  |          | Q      V|          |          |
12+10       1.4383      3.38  |          |  Q      V          |          |
12+15       1.4620      3.44  |          |  Q      V          |          |
12+20       1.4863      3.52  |          |   Q     V          |          |
12+25       1.5109      3.57  |          |   Q     |V         |          |
12+30       1.5355      3.58  |          |   Q     |V         |          |
12+35       1.5613      3.74  |          |   Q     |V         |          |
12+40       1.5877      3.84  |          |    Q    | V        |          |
12+45       1.6143      3.86  |          |    Q    | V        |          |
12+50       1.6414      3.93  |          |    Q    |  V       |          |
12+55       1.6688      3.98  |          |    Q    |  V       |          |
13+ 0       1.6963      3.99  |          |    Q    |  V       |          |
13+ 5       1.7265      4.39  |          |      Q  |   V      |          |
13+10       1.7585      4.64  |          |       Q |   V      |          |
13+15       1.7907      4.68  |          |       Q |    V     |          |
13+20       1.8229      4.68  |          |       Q |    V     |          |
13+25       1.8552      4.68  |          |       Q |     V    |          |
13+30       1.8874      4.68  |          |       Q |     V    |          |
13+35       1.9137      3.82  |          |    Q    |     V    |          |
13+40       1.9362      3.26  |          |  Q      |      V   |          |
13+45       1.9580      3.17  |          | Q       |      V   |          |
13+50       1.9798      3.17  |          | Q       |      V   |          |
13+55       2.0016      3.17  |          | Q       |       V  |          |
14+ 0       2.0234      3.17  |          | Q       |       V  |          |
14+ 5       2.0474      3.48  |          |  Q      |       V  |          |
14+10       2.0728      3.68  |          |   Q     |        V|          |
14+15       2.0984      3.72  |          |   Q     |        V|          |
14+20       2.1234      3.64  |          |   Q     |        V|          |
14+25       2.1481      3.59  |          |   Q     |         V          |
14+30       2.1728      3.58  |          |   Q     |         V          |
14+35       2.1974      3.58  |          |   Q     |         V          |
14+40       2.2221      3.58  |          |   Q     |         |V         |
14+45       2.2468      3.58  |          |   Q     |         |V         |
14+50       2.2709      3.50  |          |   Q     |         |V         |
14+55       2.2946      3.45  |          |  Q      |         | V        |
15+ 0       2.3183      3.44  |          |  Q      |         | V        |
15+ 5       2.3415      3.36  |          |  Q      |         | V        |
15+10       2.3643      3.31  |          |  Q      |         |  V       |
15+15       2.3871      3.30  |          |  Q      |         |  V       |
15+20       2.4093      3.23  |          | Q       |         |  V       |
15+25       2.4312      3.18  |          | Q       |         |   V      |
15+30       2.4530      3.17  |          | Q       |         |   V      |
15+35       2.4726      2.85  |          |Q        |         |   V      |
15+40       2.4909      2.65  |          Q         |         |    V     |
15+45       2.5089      2.62  |          Q         |         |    V     |
15+50       2.5269      2.62  |          Q         |         |    V     |
15+55       2.5449      2.62  |          Q         |         |    V     |
16+ 0       2.5629      2.62  |          Q         |         |     V    |
16+ 5       2.5729      1.44  |     Q    |         |         |     V    |
16+10       2.5775      0.68  | Q        |         |         |     V    |
16+15       2.5813      0.55  | Q        |         |         |     V    |
16+20       2.5851      0.55  | Q        |         |         |     V    |
16+25       2.5889      0.55  | Q        |         |         |     V    |
16+30       2.5927      0.55  | Q        |         |         |     V    |
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16+35       2.5959      0.47  |Q        |         |         |     V   |
16+40       2.5988      0.42  |Q        |         |         |     V   |
16+45       2.6017      0.41  |Q        |         |         |     V   |
16+50       2.6045      0.41  |Q        |         |         |     V   |
16+55       2.6074      0.41  |Q        |         |         |     V   |
17+ 0       2.6102      0.41  |Q        |         |         |     V   |
17+ 5       2.6141      0.57  | Q       |         |         |     V   |
17+10       2.6188      0.67  | Q       |         |         |     V   |
17+15       2.6235      0.69  | Q       |         |         |     V   |
17+20       2.6282      0.69  | Q       |         |         |     V   |
17+25       2.6330      0.69  | Q       |         |         |      V  |
17+30       2.6377      0.69  | Q       |         |         |      V  |
17+35       2.6425      0.69  | Q       |         |         |      V  |
17+40       2.6472      0.69  | Q       |         |         |      V  |
17+45       2.6520      0.69  | Q       |         |         |      V  |
17+50       2.6562      0.61  | Q       |         |         |      V  |
17+55       2.6600      0.56  | Q       |         |         |      V  |
18+ 0       2.6638      0.55  | Q       |         |         |      V  |
18+ 5       2.6676      0.55  | Q       |         |         |      V  |
18+10       2.6714      0.55  | Q       |         |         |      V  |
18+15       2.6752      0.55  | Q       |         |         |      V  |
18+20       2.6790      0.55  | Q       |         |         |      V  |
18+25       2.6828      0.55  | Q       |         |         |      V  |
18+30       2.6866      0.55  | Q       |         |         |      V  |
18+35       2.6898      0.47  |Q        |         |         |      V  |
18+40       2.6927      0.42  |Q        |         |         |      V  |
18+45       2.6956      0.41  |Q        |         |         |      V  |
18+50       2.6979      0.33  |Q        |         |         |      V  |
18+55       2.6998      0.28  |Q        |         |         |      V  |
19+ 0       2.7017      0.28  |Q        |         |         |      V  |
19+ 5       2.7041      0.35  |Q        |         |         |       V |
19+10       2.7069      0.40  |Q        |         |         |       V |
19+15       2.7098      0.41  |Q        |         |         |       V |
19+20       2.7132      0.49  |Q        |         |         |       V |
19+25       2.7169      0.54  | Q       |         |         |       V |
19+30       2.7207      0.55  | Q       |         |         |       V |
19+35       2.7239      0.47  |Q        |         |         |       V |
19+40       2.7268      0.42  |Q        |         |         |       V |
19+45       2.7297      0.41  |Q        |         |         |       V |
19+50       2.7320      0.33  |Q        |         |         |       V |
19+55       2.7340      0.28  |Q        |         |         |       V |
20+ 0       2.7358      0.28  |Q        |         |         |       V |
20+ 5       2.7383      0.35  |Q        |         |         |       V |
20+10       2.7411      0.40  |Q        |         |         |       V |
20+15       2.7439      0.41  |Q        |         |         |       V |
20+20       2.7468      0.41  |Q        |         |         |       V |
20+25       2.7496      0.41  |Q        |         |         |       V |
20+30       2.7525      0.41  |Q        |         |         |       V |
20+35       2.7553      0.41  |Q        |         |         |       V |
20+40       2.7581      0.41  |Q        |         |         |       V |
20+45       2.7610      0.41  |Q        |         |         |       V |
20+50       2.7633      0.33  |Q        |         |         |       V |
20+55       2.7652      0.28  |Q        |         |         |       V |
21+ 0       2.7671      0.28  |Q        |         |         |       V |
21+ 5       2.7696      0.35  |Q        |         |         |       V |
21+10       2.7724      0.40  |Q        |         |         |       V |
21+15       2.7752      0.41  |Q        |         |         |        V|
21+20       2.7775      0.33  |Q        |         |         |        V|
21+25       2.7795      0.28  |Q        |         |         |        V|
21+30       2.7814      0.28  |Q        |         |         |        V|
21+35       2.7838      0.35  |Q        |         |         |        V|
21+40       2.7866      0.40  |Q        |         |         |        V|
21+45       2.7894      0.41  |Q        |         |         |        V|
21+50       2.7917      0.33  |Q        |         |         |        V|
21+55       2.7937      0.28  |Q        |         |         |        V|
22+ 0       2.7956      0.28  |Q        |         |         |        V|
22+ 5       2.7980      0.35  |Q        |         |         |        V|
```

22+10	2.8008	0.40	|Q	|	|	|	V|
22+15	2.8037	0.41	|Q	|	|	|	V|
22+20	2.8060	0.33	|Q	|	|	|	V|
22+25	2.8079	0.28	|Q	|	|	|	V|
22+30	2.8098	0.28	|Q	|	|	|	V|
22+35	2.8117	0.28	|Q	|	|	|	V|
22+40	2.8136	0.28	|Q	|	|	|	V|
22+45	2.8155	0.28	|Q	|	|	|	V|
22+50	2.8174	0.28	|Q	|	|	|	V|
22+55	2.8193	0.28	|Q	|	|	|	V|
23+ 0	2.8212	0.28	|Q	|	|	|	V|
23+ 5	2.8231	0.28	|Q	|	|	|	V|
23+10	2.8250	0.28	|Q	|	|	|	V|
23+15	2.8269	0.28	|Q	|	|	|	V|
23+20	2.8288	0.28	|Q	|	|	|	V|
23+25	2.8307	0.28	|Q	|	|	|	V|
23+30	2.8326	0.28	|Q	|	|	|	V|
23+35	2.8345	0.28	|Q	|	|	|	V|
23+40	2.8364	0.28	|Q	|	|	|	V|
23+45	2.8383	0.28	|Q	|	|	|	V|
23+50	2.8402	0.28	|Q	|	|	|	V|
23+55	2.8421	0.28	|Q	|	|	|	V|
24+ 0	2.8440	0.28	|Q	|	|	|	V|
24+ 5	2.8448	0.12	Q	|	|	|	V|
24+10	2.8449	0.02	Q	|	|	|	V|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/17/21 File: RVPRF110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN F- PROPOSED UNIT HYDROGRAPH
10YR-1HRS

Drainage Area = 16.69(Ac.) = 0.026 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 16.69(Ac.) = 0.026 Sq. Mi.
Length along longest watercourse = 791.00(Ft.)
Length along longest watercourse measured to centroid = 467.00(Ft.)
Length along longest watercourse = 0.150 Mi.
Length along longest watercourse measured to centroid = 0.088 Mi.
Difference in elevation = 20.00(Ft.)
Slope along watercourse = 133.5019 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.65 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	0.55	9.18

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	1.30	21.70

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 0.859(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 0.858(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
16.690	59.50	0.822

Total Area Entered = 16.69(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
      AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
      59.5  59.5      0.475     0.822        0.124       1.000      0.124
                                                        Sum (F) =   0.124
      Area averaged mean soil loss (F) (In/Hr) =  0.176
      Minimum soil loss rate ((In/Hr)) =  0.088
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.242
      ------------------------------------------------------------------
      Slope of intensity-duration curve for a 1 hour storm =0.5500
      ------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------
          1   0.083        303.328         57.019             9.591
          2   0.167        606.657         36.946             6.214
          3   0.250        909.985          6.035             1.015
                                   Sum = 100.000   Sum=      16.820
-----------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
   1   0.08     3.30      0.340       (  0.176)       0.082        0.258
   2   0.17     4.20      0.433       (  0.176)       0.105        0.328
   3   0.25     4.40      0.453       (  0.176)       0.110        0.343
   4   0.33     4.80      0.494       (  0.176)       0.120        0.375
   5   0.42     5.20      0.536       (  0.176)       0.130        0.406
   6   0.50     6.20      0.639       (  0.176)       0.155        0.484
   7   0.58     6.80      0.700       (  0.176)       0.170        0.531
   8   0.67     8.80      0.906          0.176    (  0.220)        0.731
   9   0.75    13.90      1.432          0.176    (  0.347)        1.256
  10   0.83    31.40      3.235          0.176    (  0.784)        3.059
  11   0.92     7.20      0.742          0.176    (  0.180)        0.566
  12   1.00     3.80      0.391       (  0.176)       0.095        0.297
             (Loss Rate Not Used)
     Sum =     100.0                                   Sum =     8.6
      Flood volume = Effective rainfall      0.72(In)
       times area      16.7(Ac.)/[(In)/(Ft.)] =       1.0(Ac.Ft)
      Total soil loss =      0.14(In)
      Total soil loss =     0.193(Ac.Ft)
      Total rainfall =      0.86(In)
      Flood volume =       43584.4 Cubic Feet
      Total soil loss =        8423.1 Cubic Feet
      ------------------------------------------------------------------
       Peak flow rate of this hydrograph =     37.908(CFS)
      ------------------------------------------------------------------
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        1 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
      ------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       10.0      20.0      30.0      40.0
  ------------------------------------------------------------------------
    0+ 5       0.0170      2.47  V Q       |         |         |         |
    0+10       0.0497      4.75  |V  Q     |         |         |         |
```

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    0+15       0.0882      5.59  |  V Q    |          |          |          |
    0+20       0.1300      6.06  |    VQ   |          |          |          |
    0+25       0.1753      6.57  |     QV  |          |          |          |
    0+30       0.2272      7.55  |      Q V|          |          |          |
    0+35       0.2859      8.51  |       Q |V         |          |          |
    0+40       0.3603     10.81  |         Q   V      |          |          |
    0+45       0.4783     17.14  |         |      Q V|          |          |
    0+50       0.7394     37.91  |         |         |        V |      Q   |
    0+55       0.9166     25.73  |         |         |    Q     |     V    |
    1+ 0       0.9818      9.47  |        Q|         |          |        V |
    1+ 5       0.9985      2.42  | Q       |         |          |        V |
    1+10       1.0006      0.30  Q         |         |          |          V
---------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/17/21 File: RVPRF310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN F- PROPOSED UNIT HYDROGRAPH
10YR-3HRS

Drainage Area = 16.69(Ac.) = 0.026 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 16.69(Ac.) = 0.026 Sq. Mi.
Length along longest watercourse = 791.00(Ft.)
Length along longest watercourse measured to centroid = 467.00(Ft.)
Length along longest watercourse = 0.150 Mi.
Length along longest watercourse measured to centroid = 0.088 Mi.
Difference in elevation = 20.00(Ft.)
Slope along watercourse = 133.5019 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.65 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	1.10	18.36

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	2.00	33.38

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 1.470(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.470(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
16.690	59.50	0.822

Total Area Entered = 16.69(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

AMC2	AMC-2	(In/Hr)	(Dec.%)	(In/Hr)	(Dec.)	(In/Hr)
59.5	59.5	0.475	0.822	0.124	1.000	0.124
					Sum (F) =	0.124

Area averaged mean soil loss (F) (In/Hr) = 0.176
Minimum soil loss rate ((In/Hr)) = 0.088
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) = 0.242

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	303.328	57.019	9.591
2	0.167	606.657	36.946	6.214
3	0.250	909.985	6.035	1.015
		Sum = 100.000	Sum=	16.820

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.229	(0.176)	0.056	0.174
2	0.17	1.30	0.229	(0.176)	0.056	0.174
3	0.25	1.10	0.194	(0.176)	0.047	0.147
4	0.33	1.50	0.265	(0.176)	0.064	0.200
5	0.42	1.50	0.265	(0.176)	0.064	0.200
6	0.50	1.80	0.318	(0.176)	0.077	0.241
7	0.58	1.50	0.265	(0.176)	0.064	0.200
8	0.67	1.80	0.318	(0.176)	0.077	0.241
9	0.75	1.80	0.318	(0.176)	0.077	0.241
10	0.83	1.50	0.265	(0.176)	0.064	0.200
11	0.92	1.60	0.282	(0.176)	0.068	0.214
12	1.00	1.80	0.318	(0.176)	0.077	0.241
13	1.08	2.20	0.388	(0.176)	0.094	0.294
14	1.17	2.20	0.388	(0.176)	0.094	0.294
15	1.25	2.20	0.388	(0.176)	0.094	0.294
16	1.33	2.00	0.353	(0.176)	0.086	0.267
17	1.42	2.60	0.459	(0.176)	0.111	0.348
18	1.50	2.70	0.476	(0.176)	0.115	0.361
19	1.58	2.40	0.423	(0.176)	0.103	0.321
20	1.67	2.70	0.476	(0.176)	0.115	0.361
21	1.75	3.30	0.582	(0.176)	0.141	0.441
22	1.83	3.10	0.547	(0.176)	0.133	0.414
23	1.92	2.90	0.512	(0.176)	0.124	0.388
24	2.00	3.00	0.529	(0.176)	0.128	0.401
25	2.08	3.10	0.547	(0.176)	0.133	0.414
26	2.17	4.20	0.741	0.176	(0.180)	0.565
27	2.25	5.00	0.882	0.176	(0.214)	0.707
28	2.33	3.50	0.617	(0.176)	0.150	0.468
29	2.42	6.80	1.200	0.176	(0.291)	1.024
30	2.50	7.30	1.288	0.176	(0.312)	1.112
31	2.58	8.20	1.447	0.176	(0.351)	1.271
32	2.67	5.90	1.041	0.176	(0.252)	0.865
33	2.75	2.00	0.353	(0.176)	0.086	0.267
34	2.83	1.80	0.318	(0.176)	0.077	0.241
35	2.92	1.80	0.318	(0.176)	0.077	0.241
36	3.00	0.60	0.106	(0.176)	0.026	0.080

(Loss Rate Not Used)

```
    Sum =     100.0                                    Sum =    13.9
      Flood volume = Effective rainfall      1.16(In)
       times area      16.7(Ac.)/[(In)/(Ft.)] =       1.6(Ac.Ft)
      Total soil loss =      0.31(In)
      Total soil loss =     0.432(Ac.Ft)
      Total rainfall =      1.47(In)
      Flood volume =       70237.2 Cubic Feet
      Total soil loss =       18832.0 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =     20.154(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          3 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0        7.5      15.0      22.5      30.0
  ------------------------------------------------------------------------
    0+ 5       0.0115      1.67  V Q       |         |         |         |
    0+10       0.0304      2.75  V  Q      |         |         |         |
    0+15       0.0488      2.67  |V Q      |         |         |         |
    0+20       0.0695      3.01  |V  Q     |         |         |         |
    0+25       0.0924      3.32  | V Q     |         |         |         |
    0+30       0.1183      3.76  | V  Q    |         |         |         |
    0+35       0.1432      3.62  |  VQ     |         |         |         |
    0+40       0.1694      3.80  |   VQ    |         |         |         |
    0+45       0.1970      4.01  |   VQ    |         |         |         |
    0+50       0.2222      3.66  |   QV    |         |         |         |
    0+55       0.2466      3.54  |   Q V   |         |         |         |
    1+ 0       0.2731      3.84  |    QV   |         |         |         |
    1+ 5       0.3043      4.53  |     QV  |         |         |         |
    1+10       0.3380      4.89  |     Q V |         |         |         |
    1+15       0.3721      4.95  |     Q  V|         |         |         |
    1+20       0.4044      4.69  |     Q   V         |         |         |
    1+25       0.4409      5.30  |      Q  V         |         |         |
    1+30       0.4815      5.89  |      Q  |V        |         |         |
    1+35       0.5206      5.67  |      Q  | V       |         |         |
    1+40       0.5607      5.82  |      Q  |  V      |         |         |
    1+45       0.6075      6.80  |        Q|    V    |         |         |
    1+50       0.6563      7.08  |        Q|     V   |         |         |
    1+55       0.7028      6.74  |       Q |      V  |         |         |
    2+ 0       0.7488      6.68  |       Q |       V |         |         |
    2+ 5       0.7960      6.86  |        Q|        V|         |         |
    2+10       0.8539      8.41  |         |Q        |V        |         |
    2+15       0.9278     10.72  |         |   Q     |  V      |         |
    2+20       0.9929      9.46  |         | Q       |   V     |         |
    2+25       1.0855     13.45  |         |      Q  |     V   |         |
    2+30       1.2062     17.52  |         |         |  Q     V|         |
    2+35       1.3450     20.15  |         |         |     Q   |  V      |
    2+40       1.4644     17.34  |         |         |  Q      |     V   |
    2+45       1.5280      9.24  |         | Q       |         |      V  |
    2+50       1.5614      4.85  |     Q   |         |         |       V |
    2+55       1.5895      4.08  |    Q    |         |         |        V|
    3+ 0       1.6067      2.51  |  Q      |         |         |        V|
    3+ 5       1.6119      0.74  Q         |         |         |        V|
    3+10       1.6124      0.08  Q         |         |         |         V
  ------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/17/21 File: RVPRF610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN F- PROPOSED UNIT HYDROGRAPH
10YR-6HRS

Drainage Area = 16.69(Ac.) = 0.026 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 16.69(Ac.) = 0.026 Sq. Mi.
Length along longest watercourse = 791.00(Ft.)
Length along longest watercourse measured to centroid = 467.00(Ft.)
Length along longest watercourse = 0.150 Mi.
Length along longest watercourse measured to centroid = 0.088 Mi.
Difference in elevation = 20.00(Ft.)
Slope along watercourse = 133.5019 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.65 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	1.60	26.70

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	3.00	50.07

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 2.176(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.176(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
16.690	59.50	0.822

Total Area Entered = 16.69(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      59.5  59.5      0.475     0.822        0.124       1.000      0.124
                                                          Sum (F) =   0.124
      Area averaged mean soil loss (F) (In/Hr) =  0.176
      Minimum soil loss rate ((In/Hr)) =  0.088
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.242
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------------
          1   0.083        303.328         57.019             9.591
          2   0.167        606.657         36.946             6.214
          3   0.250        909.985          6.035             1.015
                                    Sum = 100.000   Sum=      16.820
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.131	(0.176)	0.032	0.099
2	0.17	0.60	0.157	(0.176)	0.038	0.119
3	0.25	0.60	0.157	(0.176)	0.038	0.119
4	0.33	0.60	0.157	(0.176)	0.038	0.119
5	0.42	0.60	0.157	(0.176)	0.038	0.119
6	0.50	0.70	0.183	(0.176)	0.044	0.138
7	0.58	0.70	0.183	(0.176)	0.044	0.138
8	0.67	0.70	0.183	(0.176)	0.044	0.138
9	0.75	0.70	0.183	(0.176)	0.044	0.138
10	0.83	0.70	0.183	(0.176)	0.044	0.138
11	0.92	0.70	0.183	(0.176)	0.044	0.138
12	1.00	0.80	0.209	(0.176)	0.051	0.158
13	1.08	0.80	0.209	(0.176)	0.051	0.158
14	1.17	0.80	0.209	(0.176)	0.051	0.158
15	1.25	0.80	0.209	(0.176)	0.051	0.158
16	1.33	0.80	0.209	(0.176)	0.051	0.158
17	1.42	0.80	0.209	(0.176)	0.051	0.158
18	1.50	0.80	0.209	(0.176)	0.051	0.158
19	1.58	0.80	0.209	(0.176)	0.051	0.158
20	1.67	0.80	0.209	(0.176)	0.051	0.158
21	1.75	0.80	0.209	(0.176)	0.051	0.158
22	1.83	0.80	0.209	(0.176)	0.051	0.158
23	1.92	0.80	0.209	(0.176)	0.051	0.158
24	2.00	0.90	0.235	(0.176)	0.057	0.178
25	2.08	0.80	0.209	(0.176)	0.051	0.158
26	2.17	0.90	0.235	(0.176)	0.057	0.178
27	2.25	0.90	0.235	(0.176)	0.057	0.178
28	2.33	0.90	0.235	(0.176)	0.057	0.178
29	2.42	0.90	0.235	(0.176)	0.057	0.178
30	2.50	0.90	0.235	(0.176)	0.057	0.178
31	2.58	0.90	0.235	(0.176)	0.057	0.178
32	2.67	0.90	0.235	(0.176)	0.057	0.178
33	2.75	1.00	0.261	(0.176)	0.063	0.198
34	2.83	1.00	0.261	(0.176)	0.063	0.198
35	2.92	1.00	0.261	(0.176)	0.063	0.198
36	3.00	1.00	0.261	(0.176)	0.063	0.198
37	3.08	1.00	0.261	(0.176)	0.063	0.198
38	3.17	1.10	0.287	(0.176)	0.070	0.218

```
39   3.25     1.10      0.287       (  0.176)       0.070        0.218
40   3.33     1.10      0.287       (  0.176)       0.070        0.218
41   3.42     1.20      0.313       (  0.176)       0.076        0.237
42   3.50     1.30      0.339       (  0.176)       0.082        0.257
43   3.58     1.40      0.366       (  0.176)       0.089        0.277
44   3.67     1.40      0.366       (  0.176)       0.089        0.277
45   3.75     1.50      0.392       (  0.176)       0.095        0.297
46   3.83     1.50      0.392       (  0.176)       0.095        0.297
47   3.92     1.60      0.418       (  0.176)       0.101        0.316
48   4.00     1.60      0.418       (  0.176)       0.101        0.316
49   4.08     1.70      0.444       (  0.176)       0.108        0.336
50   4.17     1.80      0.470       (  0.176)       0.114        0.356
51   4.25     1.90      0.496       (  0.176)       0.120        0.376
52   4.33     2.00      0.522       (  0.176)       0.127        0.396
53   4.42     2.10      0.548       (  0.176)       0.133        0.415
54   4.50     2.10      0.548       (  0.176)       0.133        0.415
55   4.58     2.20      0.574       (  0.176)       0.139        0.435
56   4.67     2.30      0.601       (  0.176)       0.146        0.455
57   4.75     2.40      0.627       (  0.176)       0.152        0.475
58   4.83     2.40      0.627       (  0.176)       0.152        0.475
59   4.92     2.50      0.653       (  0.176)       0.158        0.495
60   5.00     2.60      0.679       (  0.176)       0.165        0.514
61   5.08     3.10      0.809          0.176    (  0.196)        0.634
62   5.17     3.60      0.940          0.176    (  0.228)        0.764
63   5.25     3.90      1.018          0.176    (  0.247)        0.843
64   5.33     4.20      1.097          0.176    (  0.266)        0.921
65   5.42     4.70      1.227          0.176    (  0.297)        1.052
66   5.50     5.60      1.462          0.176    (  0.354)        1.287
67   5.58     1.90      0.496       (  0.176)       0.120        0.376
68   5.67     0.90      0.235       (  0.176)       0.057        0.178
69   5.75     0.60      0.157       (  0.176)       0.038        0.119
70   5.83     0.50      0.131       (  0.176)       0.032        0.099
71   5.92     0.30      0.078       (  0.176)       0.019        0.059
72   6.00     0.20      0.052       (  0.176)       0.013        0.040
            (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    20.3
     Flood volume = Effective rainfall      1.69(In)
      times area      16.7(Ac.)/[(In)/(Ft.)] =       2.4(Ac.Ft)
     Total soil loss =      0.48(In)
     Total soil loss =     0.671(Ac.Ft)
     Total rainfall =      2.18(In)
     Flood volume =      102573.1 Cubic Feet
     Total soil loss =       29249.9 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     19.821(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        5.0      10.0      15.0      20.0
-------------------------------------------------------------------------
  0+ 5       0.0065      0.95  VQ        |         |         |         |
  0+10       0.0186      1.75  V  Q      |         |         |         |
  0+15       0.0322      1.98  V  Q      |         |         |         |
  0+20       0.0460      2.00  V  Q      |         |         |         |
  0+25       0.0597      2.00  |V Q      |         |         |         |
  0+30       0.0748      2.19  |V  Q     |         |         |         |
  0+35       0.0907      2.31  |V  Q     |         |         |         |
  0+40       0.1068      2.33  |V  Q     |         |         |         |
  0+45       0.1228      2.33  | V Q     |         |         |         |
  0+50       0.1389      2.33  | V Q     |         |         |         |
  0+55       0.1549      2.33  | V Q     |         |         |         |
  1+ 0       0.1723      2.52  | V  Q    |         |         |         |
```

```
   1+ 5       0.1905      2.64  |  V Q    |         |         |         |
   1+10       0.2088      2.66  |  V Q    |         |         |         |
   1+15       0.2272      2.66  |  V Q    |         |         |         |
   1+20       0.2455      2.66  |   VQ    |         |         |         |
   1+25       0.2638      2.66  |   VQ    |         |         |         |
   1+30       0.2822      2.66  |   VQ    |         |         |         |
   1+35       0.3005      2.66  |    Q    |         |         |         |
   1+40       0.3189      2.66  |    Q    |         |         |         |
   1+45       0.3372      2.66  |    Q    |         |         |         |
   1+50       0.3555      2.66  |    QV   |         |         |         |
   1+55       0.3739      2.66  |    QV   |         |         |         |
   2+ 0       0.3935      2.85  |    QV   |         |         |         |
   2+ 5       0.4127      2.79  |    Q V  |         |         |         |
   2+10       0.4325      2.87  |    Q V  |         |         |         |
   2+15       0.4530      2.98  |    Q V  |         |         |         |
   2+20       0.4736      3.00  |    Q  V |         |         |         |
   2+25       0.4943      3.00  |    Q  V |         |         |         |
   2+30       0.5149      3.00  |    Q  V |         |         |         |
   2+35       0.5355      3.00  |    Q   V|         |         |         |
   2+40       0.5562      3.00  |    Q   V|         |         |         |
   2+45       0.5781      3.19  |     Q  V|         |         |         |
   2+50       0.6009      3.31  |     Q   V         |         |         |
   2+55       0.6238      3.33  |     Q   V         |         |         |
   3+ 0       0.6468      3.33  |     Q   V         |         |         |
   3+ 5       0.6697      3.33  |     Q   |V        |         |         |
   3+10       0.6939      3.52  |      Q  |V        |         |         |
   3+15       0.7190      3.64  |      Q  | V       |         |         |
   3+20       0.7442      3.66  |      Q  | V       |         |         |
   3+25       0.7707      3.85  |      Q  |  V      |         |         |
   3+30       0.7994      4.16  |       Q |  V      |         |         |
   3+35       0.8304      4.50  |       Q |   V     |         |         |
   3+40       0.8624      4.64  |        Q|   V     |         |         |
   3+45       0.8958      4.85  |        Q|    V    |         |         |
   3+50       0.9300      4.97  |        Q|    V    |         |         |
   3+55       0.9657      5.18  |         Q     V   |         |         |
   4+ 0       1.0023      5.31  |         Q      V  |         |         |
   4+ 5       1.0403      5.52  |         |Q     V  |         |         |
   4+10       1.0804      5.83  |         |Q      V |         |         |
   4+15       1.1228      6.16  |         | Q      V|         |         |
   4+20       1.1676      6.49  |         | Q      V|         |         |
   4+25       1.2146      6.83  |         |  Q      V         |         |
   4+30       1.2626      6.97  |         |  Q      |V        |         |
   4+35       1.3120      7.18  |         |   Q     | V       |         |
   4+40       1.3637      7.49  |         |   Q     |  V      |         |
   4+45       1.4176      7.83  |         |    Q    |   V     |         |
   4+50       1.4724      7.97  |         |    Q    |    V    |         |
   4+55       1.5288      8.18  |         |     Q   |    V    |         |
   5+ 0       1.5873      8.49  |         |     Q   |     V   |         |
   5+ 5       1.6546      9.78  |         |        Q|       V |         |
   5+10       1.7359     11.80  |         |         |  Q     V|         |
   5+15       1.8288     13.48  |         |         |     Q   |V        |
   5+20       1.9311     14.86  |         |         |       Q| V       |
   5+25       2.0459     16.67  |         |         |         |  QV     |
   5+30       2.1824     19.82  |         |         |         |      V Q|
   5+35       2.2697     12.67  |         |         |    Q    |       V |
   5+40       2.3066      5.35  |         Q         |         |        V|
   5+45       2.3247      2.63  |    Q    |         |         |        V|
   5+50       2.3375      1.87  |  Q      |         |         |        V|
   5+55       2.3465      1.30  | Q       |         |         |        V|
   6+ 0       2.3524      0.85  |Q        |         |         |        V|
   6+ 5       2.3545      0.31  Q         |         |         |        V|
   6+10       2.3548      0.04  Q         |         |         |        V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/17/21 File: RVPRF2410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN F- PROPOSED UNIT HYDROGRAPH
10YR-24HRS

Drainage Area = 16.69(Ac.) = 0.026 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 16.69(Ac.) = 0.026 Sq. Mi.
Length along longest watercourse = 791.00(Ft.)
Length along longest watercourse measured to centroid = 467.00(Ft.)
Length along longest watercourse = 0.150 Mi.
Length along longest watercourse measured to centroid = 0.088 Mi.
Difference in elevation = 20.00(Ft.)
Slope along watercourse = 133.5019 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.65 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	2.70	45.06

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	7.00	116.83

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 4.469(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 4.469(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
16.690	59.50	0.822

Total Area Entered = 16.69(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      59.5  59.5      0.475     0.822        0.124       1.000      0.124
                                                          Sum (F) =   0.124
      Area averaged mean soil loss (F) (In/Hr) =  0.176
      Minimum soil loss rate ((In/Hr)) =  0.088
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.242
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        303.328         57.019              9.591
          2   0.167        606.657         36.946              6.214
          3   0.250        909.985          6.035              1.015
                                    Sum = 100.000   Sum=      16.820
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.07	0.036	(0.311)	0.009	0.027
2	0.17	0.07	0.036	(0.310)	0.009	0.027
3	0.25	0.07	0.036	(0.309)	0.009	0.027
4	0.33	0.10	0.054	(0.308)	0.013	0.041
5	0.42	0.10	0.054	(0.306)	0.013	0.041
6	0.50	0.10	0.054	(0.305)	0.013	0.041
7	0.58	0.10	0.054	(0.304)	0.013	0.041
8	0.67	0.10	0.054	(0.303)	0.013	0.041
9	0.75	0.10	0.054	(0.302)	0.013	0.041
10	0.83	0.13	0.072	(0.300)	0.017	0.054
11	0.92	0.13	0.072	(0.299)	0.017	0.054
12	1.00	0.13	0.072	(0.298)	0.017	0.054
13	1.08	0.10	0.054	(0.297)	0.013	0.041
14	1.17	0.10	0.054	(0.296)	0.013	0.041
15	1.25	0.10	0.054	(0.294)	0.013	0.041
16	1.33	0.10	0.054	(0.293)	0.013	0.041
17	1.42	0.10	0.054	(0.292)	0.013	0.041
18	1.50	0.10	0.054	(0.291)	0.013	0.041
19	1.58	0.10	0.054	(0.290)	0.013	0.041
20	1.67	0.10	0.054	(0.289)	0.013	0.041
21	1.75	0.10	0.054	(0.288)	0.013	0.041
22	1.83	0.13	0.072	(0.286)	0.017	0.054
23	1.92	0.13	0.072	(0.285)	0.017	0.054
24	2.00	0.13	0.072	(0.284)	0.017	0.054
25	2.08	0.13	0.072	(0.283)	0.017	0.054
26	2.17	0.13	0.072	(0.282)	0.017	0.054
27	2.25	0.13	0.072	(0.281)	0.017	0.054
28	2.33	0.13	0.072	(0.279)	0.017	0.054
29	2.42	0.13	0.072	(0.278)	0.017	0.054
30	2.50	0.13	0.072	(0.277)	0.017	0.054
31	2.58	0.17	0.089	(0.276)	0.022	0.068
32	2.67	0.17	0.089	(0.275)	0.022	0.068
33	2.75	0.17	0.089	(0.274)	0.022	0.068
34	2.83	0.17	0.089	(0.273)	0.022	0.068
35	2.92	0.17	0.089	(0.272)	0.022	0.068
36	3.00	0.17	0.089	(0.270)	0.022	0.068
37	3.08	0.17	0.089	(0.269)	0.022	0.068
38	3.17	0.17	0.089	(0.268)	0.022	0.068

39	3.25	0.17	0.089	(0.267)	0.022	0.068
40	3.33	0.17	0.089	(0.266)	0.022	0.068
41	3.42	0.17	0.089	(0.265)	0.022	0.068
42	3.50	0.17	0.089	(0.264)	0.022	0.068
43	3.58	0.17	0.089	(0.263)	0.022	0.068
44	3.67	0.17	0.089	(0.262)	0.022	0.068
45	3.75	0.17	0.089	(0.260)	0.022	0.068
46	3.83	0.20	0.107	(0.259)	0.026	0.081
47	3.92	0.20	0.107	(0.258)	0.026	0.081
48	4.00	0.20	0.107	(0.257)	0.026	0.081
49	4.08	0.20	0.107	(0.256)	0.026	0.081
50	4.17	0.20	0.107	(0.255)	0.026	0.081
51	4.25	0.20	0.107	(0.254)	0.026	0.081
52	4.33	0.23	0.125	(0.253)	0.030	0.095
53	4.42	0.23	0.125	(0.252)	0.030	0.095
54	4.50	0.23	0.125	(0.251)	0.030	0.095
55	4.58	0.23	0.125	(0.250)	0.030	0.095
56	4.67	0.23	0.125	(0.248)	0.030	0.095
57	4.75	0.23	0.125	(0.247)	0.030	0.095
58	4.83	0.27	0.143	(0.246)	0.035	0.108
59	4.92	0.27	0.143	(0.245)	0.035	0.108
60	5.00	0.27	0.143	(0.244)	0.035	0.108
61	5.08	0.20	0.107	(0.243)	0.026	0.081
62	5.17	0.20	0.107	(0.242)	0.026	0.081
63	5.25	0.20	0.107	(0.241)	0.026	0.081
64	5.33	0.23	0.125	(0.240)	0.030	0.095
65	5.42	0.23	0.125	(0.239)	0.030	0.095
66	5.50	0.23	0.125	(0.238)	0.030	0.095
67	5.58	0.27	0.143	(0.237)	0.035	0.108
68	5.67	0.27	0.143	(0.236)	0.035	0.108
69	5.75	0.27	0.143	(0.235)	0.035	0.108
70	5.83	0.27	0.143	(0.234)	0.035	0.108
71	5.92	0.27	0.143	(0.233)	0.035	0.108
72	6.00	0.27	0.143	(0.232)	0.035	0.108
73	6.08	0.30	0.161	(0.231)	0.039	0.122
74	6.17	0.30	0.161	(0.230)	0.039	0.122
75	6.25	0.30	0.161	(0.229)	0.039	0.122
76	6.33	0.30	0.161	(0.228)	0.039	0.122
77	6.42	0.30	0.161	(0.227)	0.039	0.122
78	6.50	0.30	0.161	(0.226)	0.039	0.122
79	6.58	0.33	0.179	(0.225)	0.043	0.135
80	6.67	0.33	0.179	(0.224)	0.043	0.135
81	6.75	0.33	0.179	(0.222)	0.043	0.135
82	6.83	0.33	0.179	(0.221)	0.043	0.135
83	6.92	0.33	0.179	(0.220)	0.043	0.135
84	7.00	0.33	0.179	(0.219)	0.043	0.135
85	7.08	0.33	0.179	(0.218)	0.043	0.135
86	7.17	0.33	0.179	(0.217)	0.043	0.135
87	7.25	0.33	0.179	(0.217)	0.043	0.135
88	7.33	0.37	0.197	(0.216)	0.048	0.149
89	7.42	0.37	0.197	(0.215)	0.048	0.149
90	7.50	0.37	0.197	(0.214)	0.048	0.149
91	7.58	0.40	0.215	(0.213)	0.052	0.163
92	7.67	0.40	0.215	(0.212)	0.052	0.163
93	7.75	0.40	0.215	(0.211)	0.052	0.163
94	7.83	0.43	0.232	(0.210)	0.056	0.176
95	7.92	0.43	0.232	(0.209)	0.056	0.176
96	8.00	0.43	0.232	(0.208)	0.056	0.176
97	8.08	0.50	0.268	(0.207)	0.065	0.203
98	8.17	0.50	0.268	(0.206)	0.065	0.203
99	8.25	0.50	0.268	(0.205)	0.065	0.203
100	8.33	0.50	0.268	(0.204)	0.065	0.203
101	8.42	0.50	0.268	(0.203)	0.065	0.203
102	8.50	0.50	0.268	(0.202)	0.065	0.203
103	8.58	0.53	0.286	(0.201)	0.069	0.217
104	8.67	0.53	0.286	(0.200)	0.069	0.217
105	8.75	0.53	0.286	(0.199)	0.069	0.217

106	8.83	0.57	0.304	(0.198)	0.074	0.230
107	8.92	0.57	0.304	(0.197)	0.074	0.230
108	9.00	0.57	0.304	(0.196)	0.074	0.230
109	9.08	0.63	0.340	(0.195)	0.082	0.257
110	9.17	0.63	0.340	(0.194)	0.082	0.257
111	9.25	0.63	0.340	(0.194)	0.082	0.257
112	9.33	0.67	0.358	(0.193)	0.087	0.271
113	9.42	0.67	0.358	(0.192)	0.087	0.271
114	9.50	0.67	0.358	(0.191)	0.087	0.271
115	9.58	0.70	0.375	(0.190)	0.091	0.284
116	9.67	0.70	0.375	(0.189)	0.091	0.284
117	9.75	0.70	0.375	(0.188)	0.091	0.284
118	9.83	0.73	0.393	(0.187)	0.095	0.298
119	9.92	0.73	0.393	(0.186)	0.095	0.298
120	10.00	0.73	0.393	(0.185)	0.095	0.298
121	10.08	0.50	0.268	(0.184)	0.065	0.203
122	10.17	0.50	0.268	(0.184)	0.065	0.203
123	10.25	0.50	0.268	(0.183)	0.065	0.203
124	10.33	0.50	0.268	(0.182)	0.065	0.203
125	10.42	0.50	0.268	(0.181)	0.065	0.203
126	10.50	0.50	0.268	(0.180)	0.065	0.203
127	10.58	0.67	0.358	(0.179)	0.087	0.271
128	10.67	0.67	0.358	(0.178)	0.087	0.271
129	10.75	0.67	0.358	(0.177)	0.087	0.271
130	10.83	0.67	0.358	(0.177)	0.087	0.271
131	10.92	0.67	0.358	(0.176)	0.087	0.271
132	11.00	0.67	0.358	(0.175)	0.087	0.271
133	11.08	0.63	0.340	(0.174)	0.082	0.257
134	11.17	0.63	0.340	(0.173)	0.082	0.257
135	11.25	0.63	0.340	(0.172)	0.082	0.257
136	11.33	0.63	0.340	(0.171)	0.082	0.257
137	11.42	0.63	0.340	(0.171)	0.082	0.257
138	11.50	0.63	0.340	(0.170)	0.082	0.257
139	11.58	0.57	0.304	(0.169)	0.074	0.230
140	11.67	0.57	0.304	(0.168)	0.074	0.230
141	11.75	0.57	0.304	(0.167)	0.074	0.230
142	11.83	0.60	0.322	(0.166)	0.078	0.244
143	11.92	0.60	0.322	(0.165)	0.078	0.244
144	12.00	0.60	0.322	(0.165)	0.078	0.244
145	12.08	0.83	0.447	(0.164)	0.108	0.339
146	12.17	0.83	0.447	(0.163)	0.108	0.339
147	12.25	0.83	0.447	(0.162)	0.108	0.339
148	12.33	0.87	0.465	(0.161)	0.113	0.352
149	12.42	0.87	0.465	(0.161)	0.113	0.352
150	12.50	0.87	0.465	(0.160)	0.113	0.352
151	12.58	0.93	0.501	(0.159)	0.121	0.379
152	12.67	0.93	0.501	(0.158)	0.121	0.379
153	12.75	0.93	0.501	(0.157)	0.121	0.379
154	12.83	0.97	0.518	(0.157)	0.126	0.393
155	12.92	0.97	0.518	(0.156)	0.126	0.393
156	13.00	0.97	0.518	(0.155)	0.126	0.393
157	13.08	1.13	0.608	(0.154)	0.147	0.460
158	13.17	1.13	0.608	(0.153)	0.147	0.460
159	13.25	1.13	0.608	(0.153)	0.147	0.460
160	13.33	1.13	0.608	(0.152)	0.147	0.460
161	13.42	1.13	0.608	(0.151)	0.147	0.460
162	13.50	1.13	0.608	(0.150)	0.147	0.460
163	13.58	0.77	0.411	(0.150)	0.100	0.311
164	13.67	0.77	0.411	(0.149)	0.100	0.311
165	13.75	0.77	0.411	(0.148)	0.100	0.311
166	13.83	0.77	0.411	(0.147)	0.100	0.311
167	13.92	0.77	0.411	(0.147)	0.100	0.311
168	14.00	0.77	0.411	(0.146)	0.100	0.311
169	14.08	0.90	0.483	(0.145)	0.117	0.366
170	14.17	0.90	0.483	(0.144)	0.117	0.366
171	14.25	0.90	0.483	(0.144)	0.117	0.366
172	14.33	0.87	0.465	(0.143)	0.113	0.352

173	14.42	0.87	0.465	(0.142)	0.113	0.352
174	14.50	0.87	0.465	(0.141)	0.113	0.352
175	14.58	0.87	0.465	(0.141)	0.113	0.352
176	14.67	0.87	0.465	(0.140)	0.113	0.352
177	14.75	0.87	0.465	(0.139)	0.113	0.352
178	14.83	0.83	0.447	(0.138)	0.108	0.339
179	14.92	0.83	0.447	(0.138)	0.108	0.339
180	15.00	0.83	0.447	(0.137)	0.108	0.339
181	15.08	0.80	0.429	(0.136)	0.104	0.325
182	15.17	0.80	0.429	(0.136)	0.104	0.325
183	15.25	0.80	0.429	(0.135)	0.104	0.325
184	15.33	0.77	0.411	(0.134)	0.100	0.311
185	15.42	0.77	0.411	(0.134)	0.100	0.311
186	15.50	0.77	0.411	(0.133)	0.100	0.311
187	15.58	0.63	0.340	(0.132)	0.082	0.257
188	15.67	0.63	0.340	(0.132)	0.082	0.257
189	15.75	0.63	0.340	(0.131)	0.082	0.257
190	15.83	0.63	0.340	(0.130)	0.082	0.257
191	15.92	0.63	0.340	(0.130)	0.082	0.257
192	16.00	0.63	0.340	(0.129)	0.082	0.257
193	16.08	0.13	0.072	(0.128)	0.017	0.054
194	16.17	0.13	0.072	(0.128)	0.017	0.054
195	16.25	0.13	0.072	(0.127)	0.017	0.054
196	16.33	0.13	0.072	(0.126)	0.017	0.054
197	16.42	0.13	0.072	(0.126)	0.017	0.054
198	16.50	0.13	0.072	(0.125)	0.017	0.054
199	16.58	0.10	0.054	(0.124)	0.013	0.041
200	16.67	0.10	0.054	(0.124)	0.013	0.041
201	16.75	0.10	0.054	(0.123)	0.013	0.041
202	16.83	0.10	0.054	(0.122)	0.013	0.041
203	16.92	0.10	0.054	(0.122)	0.013	0.041
204	17.00	0.10	0.054	(0.121)	0.013	0.041
205	17.08	0.17	0.089	(0.121)	0.022	0.068
206	17.17	0.17	0.089	(0.120)	0.022	0.068
207	17.25	0.17	0.089	(0.119)	0.022	0.068
208	17.33	0.17	0.089	(0.119)	0.022	0.068
209	17.42	0.17	0.089	(0.118)	0.022	0.068
210	17.50	0.17	0.089	(0.118)	0.022	0.068
211	17.58	0.17	0.089	(0.117)	0.022	0.068
212	17.67	0.17	0.089	(0.116)	0.022	0.068
213	17.75	0.17	0.089	(0.116)	0.022	0.068
214	17.83	0.13	0.072	(0.115)	0.017	0.054
215	17.92	0.13	0.072	(0.115)	0.017	0.054
216	18.00	0.13	0.072	(0.114)	0.017	0.054
217	18.08	0.13	0.072	(0.114)	0.017	0.054
218	18.17	0.13	0.072	(0.113)	0.017	0.054
219	18.25	0.13	0.072	(0.112)	0.017	0.054
220	18.33	0.13	0.072	(0.112)	0.017	0.054
221	18.42	0.13	0.072	(0.111)	0.017	0.054
222	18.50	0.13	0.072	(0.111)	0.017	0.054
223	18.58	0.10	0.054	(0.110)	0.013	0.041
224	18.67	0.10	0.054	(0.110)	0.013	0.041
225	18.75	0.10	0.054	(0.109)	0.013	0.041
226	18.83	0.07	0.036	(0.109)	0.009	0.027
227	18.92	0.07	0.036	(0.108)	0.009	0.027
228	19.00	0.07	0.036	(0.108)	0.009	0.027
229	19.08	0.10	0.054	(0.107)	0.013	0.041
230	19.17	0.10	0.054	(0.107)	0.013	0.041
231	19.25	0.10	0.054	(0.106)	0.013	0.041
232	19.33	0.13	0.072	(0.106)	0.017	0.054
233	19.42	0.13	0.072	(0.105)	0.017	0.054
234	19.50	0.13	0.072	(0.105)	0.017	0.054
235	19.58	0.10	0.054	(0.104)	0.013	0.041
236	19.67	0.10	0.054	(0.104)	0.013	0.041
237	19.75	0.10	0.054	(0.103)	0.013	0.041
238	19.83	0.07	0.036	(0.103)	0.009	0.027
239	19.92	0.07	0.036	(0.102)	0.009	0.027

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240  20.00     0.07      0.036       (  0.102)       0.009        0.027
241  20.08     0.10      0.054       (  0.101)       0.013        0.041
242  20.17     0.10      0.054       (  0.101)       0.013        0.041
243  20.25     0.10      0.054       (  0.101)       0.013        0.041
244  20.33     0.10      0.054       (  0.100)       0.013        0.041
245  20.42     0.10      0.054       (  0.100)       0.013        0.041
246  20.50     0.10      0.054       (  0.099)       0.013        0.041
247  20.58     0.10      0.054       (  0.099)       0.013        0.041
248  20.67     0.10      0.054       (  0.098)       0.013        0.041
249  20.75     0.10      0.054       (  0.098)       0.013        0.041
250  20.83     0.07      0.036       (  0.098)       0.009        0.027
251  20.92     0.07      0.036       (  0.097)       0.009        0.027
252  21.00     0.07      0.036       (  0.097)       0.009        0.027
253  21.08     0.10      0.054       (  0.096)       0.013        0.041
254  21.17     0.10      0.054       (  0.096)       0.013        0.041
255  21.25     0.10      0.054       (  0.096)       0.013        0.041
256  21.33     0.07      0.036       (  0.095)       0.009        0.027
257  21.42     0.07      0.036       (  0.095)       0.009        0.027
258  21.50     0.07      0.036       (  0.095)       0.009        0.027
259  21.58     0.10      0.054       (  0.094)       0.013        0.041
260  21.67     0.10      0.054       (  0.094)       0.013        0.041
261  21.75     0.10      0.054       (  0.094)       0.013        0.041
262  21.83     0.07      0.036       (  0.093)       0.009        0.027
263  21.92     0.07      0.036       (  0.093)       0.009        0.027
264  22.00     0.07      0.036       (  0.093)       0.009        0.027
265  22.08     0.10      0.054       (  0.092)       0.013        0.041
266  22.17     0.10      0.054       (  0.092)       0.013        0.041
267  22.25     0.10      0.054       (  0.092)       0.013        0.041
268  22.33     0.07      0.036       (  0.091)       0.009        0.027
269  22.42     0.07      0.036       (  0.091)       0.009        0.027
270  22.50     0.07      0.036       (  0.091)       0.009        0.027
271  22.58     0.07      0.036       (  0.091)       0.009        0.027
272  22.67     0.07      0.036       (  0.090)       0.009        0.027
273  22.75     0.07      0.036       (  0.090)       0.009        0.027
274  22.83     0.07      0.036       (  0.090)       0.009        0.027
275  22.92     0.07      0.036       (  0.090)       0.009        0.027
276  23.00     0.07      0.036       (  0.089)       0.009        0.027
277  23.08     0.07      0.036       (  0.089)       0.009        0.027
278  23.17     0.07      0.036       (  0.089)       0.009        0.027
279  23.25     0.07      0.036       (  0.089)       0.009        0.027
280  23.33     0.07      0.036       (  0.089)       0.009        0.027
281  23.42     0.07      0.036       (  0.089)       0.009        0.027
282  23.50     0.07      0.036       (  0.088)       0.009        0.027
283  23.58     0.07      0.036       (  0.088)       0.009        0.027
284  23.67     0.07      0.036       (  0.088)       0.009        0.027
285  23.75     0.07      0.036       (  0.088)       0.009        0.027
286  23.83     0.07      0.036       (  0.088)       0.009        0.027
287  23.92     0.07      0.036       (  0.088)       0.009        0.027
288  24.00     0.07      0.036       (  0.088)       0.009        0.027
          (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    40.6
     Flood volume = Effective rainfall      3.39(In)
      times area      16.7(Ac.)/[(In)/(Ft.)] =       4.7(Ac.Ft)
     Total soil loss =      1.08(In)
     Total soil loss =     1.507(Ac.Ft)
     Total rainfall =      4.47(In)
     Flood volume =      205118.3 Cubic Feet
     Total soil loss =       65629.2 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =      7.749(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        24 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))
```

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0018	0.26	VQ				
0+10	0.0047	0.43	VQ				
0+15	0.0079	0.46	VQ				
0+20	0.0119	0.59	V Q				
0+25	0.0165	0.67	V Q				
0+30	0.0212	0.68	V Q				
0+35	0.0259	0.68	V Q				
0+40	0.0307	0.68	V Q				
0+45	0.0354	0.68	V Q				
0+50	0.0410	0.81	V Q				
0+55	0.0472	0.90	V Q				
1+ 0	0.0534	0.91	V Q				
1+ 5	0.0588	0.78	V Q				
1+10	0.0636	0.70	V Q				
1+15	0.0683	0.68	V Q				
1+20	0.0730	0.68	V Q				
1+25	0.0777	0.68	V Q				
1+30	0.0825	0.68	V Q				
1+35	0.0872	0.68	V Q				
1+40	0.0919	0.68	V Q				
1+45	0.0966	0.68	V Q				
1+50	0.1022	0.81	V Q				
1+55	0.1084	0.90	V Q				
2+ 0	0.1146	0.91	V Q				
2+ 5	0.1209	0.91	|V Q				
2+10	0.1272	0.91	|V Q				
2+15	0.1335	0.91	|V Q				
2+20	0.1398	0.91	|V Q				
2+25	0.1460	0.91	|V Q				
2+30	0.1523	0.91	|V Q				
2+35	0.1595	1.04	|V Q				
2+40	0.1672	1.13	|V Q				
2+45	0.1751	1.14	|V Q				
2+50	0.1829	1.14	|V Q				
2+55	0.1908	1.14	|V Q				
3+ 0	0.1986	1.14	|V Q				
3+ 5	0.2065	1.14	|V Q				
3+10	0.2143	1.14	|V Q				
3+15	0.2222	1.14	|V Q				
3+20	0.2300	1.14	|V Q				
3+25	0.2379	1.14	| V Q				
3+30	0.2457	1.14	| V Q				
3+35	0.2536	1.14	| V Q				
3+40	0.2614	1.14	| V Q				
3+45	0.2693	1.14	| V Q				
3+50	0.2780	1.27	| V Q				
3+55	0.2873	1.35	| V Q				
4+ 0	0.2968	1.37	| V Q				
4+ 5	0.3062	1.37	| V Q				
4+10	0.3156	1.37	| V Q				
4+15	0.3250	1.37	| V Q				
4+20	0.3353	1.50	| V Q				
4+25	0.3462	1.58	| V Q				
4+30	0.3572	1.60	| V Q				
4+35	0.3682	1.60	| V Q				
4+40	0.3792	1.60	| V Q				
4+45	0.3902	1.60	| V Q				
4+50	0.4020	1.73	| V Q				
4+55	0.4145	1.81	| V Q				
5+ 0	0.4271	1.82	| V Q				
5+ 5	0.4378	1.56	| V Q				
5+10	0.4474	1.39	| V Q				
5+15	0.4569	1.37	| V Q				
5+20	0.4672	1.50	| V Q				

```
 5+25       0.4781      1.58  |   V Q   |         |         |         |
 5+30       0.4890      1.60  |   V Q   |         |         |         |
 5+35       0.5009      1.73  |   V Q   |         |         |         |
 5+40       0.5134      1.81  |   V  Q  |         |         |         |
 5+45       0.5259      1.82  |   V  Q  |         |         |         |
 5+50       0.5385      1.82  |   V  Q  |         |         |         |
 5+55       0.5511      1.82  |   V  Q  |         |         |         |
 6+ 0       0.5636      1.82  |   V  Q  |         |         |         |
 6+ 5       0.5771      1.95  |   V  Q  |         |         |         |
 6+10       0.5911      2.04  |    V  Q |         |         |         |
 6+15       0.6052      2.05  |    V  Q |         |         |         |
 6+20       0.6194      2.05  |    V  Q |         |         |         |
 6+25       0.6335      2.05  |    V  Q |         |         |         |
 6+30       0.6476      2.05  |    V  Q |         |         |         |
 6+35       0.6626      2.18  |    V  Q |         |         |         |
 6+40       0.6782      2.27  |    V   Q|         |         |         |
 6+45       0.6939      2.28  |    V   Q|         |         |         |
 6+50       0.7096      2.28  |     V  Q|         |         |         |
 6+55       0.7253      2.28  |     V  Q|         |         |         |
 7+ 0       0.7410      2.28  |     V  Q|         |         |         |
 7+ 5       0.7567      2.28  |     V  Q|         |         |         |
 7+10       0.7724      2.28  |     V  Q|         |         |         |
 7+15       0.7881      2.28  |     V  Q|         |         |         |
 7+20       0.8047      2.41  |     V  Q|         |         |         |
 7+25       0.8219      2.49  |     V  Q|         |         |         |
 7+30       0.8391      2.51  |      V  Q         |         |         |
 7+35       0.8573      2.64  |      V  Q         |         |         |
 7+40       0.8760      2.72  |      V  Q         |         |         |
 7+45       0.8949      2.73  |      V  Q         |         |         |
 7+50       0.9146      2.86  |      V  |Q        |         |         |
 7+55       0.9349      2.95  |      V  |Q        |         |         |
 8+ 0       0.9553      2.96  |       V |Q        |         |         |
 8+ 5       0.9775      3.22  |       V | Q       |         |         |
 8+10       1.0009      3.39  |       V |  Q      |         |         |
 8+15       1.0244      3.42  |       V |  Q      |         |         |
 8+20       1.0480      3.42  |       V |  Q      |         |         |
 8+25       1.0715      3.42  |        V|  Q      |         |         |
 8+30       1.0950      3.42  |        V|  Q      |         |         |
 8+35       1.1195      3.55  |        V|   Q     |         |         |
 8+40       1.1445      3.63  |        V|   Q     |         |         |
 8+45       1.1696      3.65  |        V|   Q     |         |         |
 8+50       1.1956      3.78  |         V    Q    |         |         |
 8+55       1.2222      3.86  |         V    Q    |         |         |
 9+ 0       1.2489      3.87  |         V    Q    |         |         |
 9+ 5       1.2774      4.13  |         V     Q   |         |         |
 9+10       1.3070      4.30  |         |V     Q  |         |         |
 9+15       1.3368      4.33  |         |V     Q  |         |         |
 9+20       1.3675      4.46  |         |V     Q  |         |         |
 9+25       1.3988      4.54  |         |V      Q |         |         |
 9+30       1.4302      4.56  |         | V     Q |         |         |
 9+35       1.4625      4.69  |         | V     Q |         |         |
 9+40       1.4954      4.77  |         | V      Q|         |         |
 9+45       1.5284      4.79  |         | V      Q|         |         |
 9+50       1.5622      4.92  |         |  V     Q|         |         |
 9+55       1.5966      5.00  |         |  V      Q         |         |
10+ 0       1.6312      5.01  |         |  V      Q         |         |
10+ 5       1.6594      4.10  |         |   V Q   |         |         |
10+10       1.6837      3.51  |         |   Q     |         |         |
10+15       1.7072      3.42  |         |  QV     |         |         |
10+20       1.7307      3.42  |         |  QV     |         |         |
10+25       1.7543      3.42  |         |  QV     |         |         |
10+30       1.7778      3.42  |         |  Q V    |         |         |
10+35       1.8058      4.07  |         |    VQ   |         |         |
10+40       1.8368      4.49  |         |    V Q  |         |         |
10+45       1.8682      4.56  |         |    V  Q |         |         |
10+50       1.8996      4.56  |         |     V Q |         |         |
10+55       1.9309      4.56  |         |     V Q |         |         |
```

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11+ 0       1.9623      4.56  |          |     V Q |          |          |
11+ 5       1.9928      4.43  |          |     VQ  |          |          |
11+10       2.0228      4.34  |          |      Q  |          |          |
11+15       2.0526      4.33  |          |      Q  |          |          |
11+20       2.0824      4.33  |          |      Q  |          |          |
11+25       2.1122      4.33  |          |      Q  |          |          |
11+30       2.1420      4.33  |          |      QV |          |          |
11+35       2.1701      4.07  |          |     Q V |          |          |
11+40       2.1969      3.90  |          |    Q  V |          |          |
11+45       2.2236      3.87  |          |    Q  V |          |          |
11+50       2.2512      4.00  |          |     Q  V|          |          |
11+55       2.2794      4.09  |          |     Q  V|          |          |
12+ 0       2.3076      4.10  |          |     Q  V|          |          |
12+ 5       2.3421      5.01  |          |        VQ          |          |
12+10       2.3807      5.60  |          |         V Q        |          |
12+15       2.4200      5.70  |          |         V Q        |          |
12+20       2.4601      5.83  |          |         V  Q       |          |
12+25       2.5008      5.91  |          |          |V Q      |          |
12+30       2.5416      5.93  |          |          |V Q      |          |
12+35       2.5842      6.19  |          |          |V  Q     |          |
12+40       2.6280      6.35  |          |          | V  Q    |          |
12+45       2.6719      6.38  |          |          | V  Q    |          |
12+50       2.7168      6.51  |          |          |  V  Q   |          |
12+55       2.7622      6.60  |          |          |  V  Q   |          |
13+ 0       2.8077      6.61  |          |          |  V  Q   |          |
13+ 5       2.8577      7.26  |          |          |   V    Q|          |
13+10       2.9106      7.68  |          |          |   V     Q          |
13+15       2.9640      7.75  |          |          |    V    Q          |
13+20       3.0173      7.75  |          |          |    V    Q          |
13+25       3.0707      7.75  |          |          |     V   Q          |
13+30       3.1241      7.75  |          |          |     V   Q          |
13+35       3.1676      6.32  |          |          |    QV   |          |
13+40       3.2047      5.39  |          |          |Q     V  |          |
13+45       3.2408      5.24  |          |         Q      V  |          |
13+50       3.2769      5.24  |          |         Q      V  |          |
13+55       3.3130      5.24  |          |         Q       V |          |
14+ 0       3.3491      5.24  |          |         Q       V |          |
14+ 5       3.3888      5.76  |          |          |  Q    V |          |
14+10       3.4308      6.10  |          |          |   Q    V|          |
14+15       3.4732      6.15  |          |          |   Q    V|          |
14+20       3.5147      6.02  |          |          |   Q    V|          |
14+25       3.5556      5.94  |          |          |  Q      V          |
14+30       3.5964      5.93  |          |          |  Q      V          |
14+35       3.6372      5.93  |          |          |  Q      V          |
14+40       3.6780      5.93  |          |          |  Q      |V         |
14+45       3.7188      5.93  |          |          |  Q      |V         |
14+50       3.7588      5.80  |          |          |  Q      |V         |
14+55       3.7981      5.71  |          |          | Q       | V        |
15+ 0       3.8373      5.70  |          |          | Q       | V        |
15+ 5       3.8757      5.57  |          |          | Q       | V        |
15+10       3.9134      5.48  |          |          |Q        |  V       |
15+15       3.9511      5.47  |          |          |Q        |  V       |
15+20       3.9879      5.34  |          |          |Q        |  V       |
15+25       4.0241      5.26  |          |          |Q        |   V      |
15+30       4.0602      5.24  |          |         Q       |   V      |
15+35       4.0927      4.72  |          |       Q |       |   V      |
15+40       4.1229      4.39  |          |      Q  |       |    V     |
15+45       4.1527      4.33  |          |      Q  |       |    V     |
15+50       4.1826      4.33  |          |      Q  |       |    V     |
15+55       4.2124      4.33  |          |      Q  |       |    V     |
16+ 0       4.2422      4.33  |          |      Q  |       |     V    |
16+ 5       4.2586      2.38  |        Q |         |       |     V    |
16+10       4.2663      1.12  |   Q      |         |       |     V    |
16+15       4.2726      0.91  |  Q       |         |       |     V    |
16+20       4.2789      0.91  |  Q       |         |       |     V    |
16+25       4.2851      0.91  |  Q       |         |       |     V    |
16+30       4.2914      0.91  |  Q       |         |       |     V    |
```

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16+35       4.2968      0.78  |  Q      |         |         |     V   |
16+40       4.3016      0.70  | Q       |         |         |     V   |
16+45       4.3063      0.68  | Q       |         |         |     V   |
16+50       4.3110      0.68  | Q       |         |         |     V   |
16+55       4.3157      0.68  | Q       |         |         |     V   |
17+ 0       4.3204      0.68  | Q       |         |         |     V   |
17+ 5       4.3269      0.94  |  Q      |         |         |     V   |
17+10       4.3346      1.11  |   Q     |         |         |     V   |
17+15       4.3424      1.14  |   Q     |         |         |     V   |
17+20       4.3503      1.14  |   Q     |         |         |     V   |
17+25       4.3581      1.14  |   Q     |         |         |      V  |
17+30       4.3660      1.14  |   Q     |         |         |      V  |
17+35       4.3738      1.14  |   Q     |         |         |      V  |
17+40       4.3817      1.14  |   Q     |         |         |      V  |
17+45       4.3895      1.14  |   Q     |         |         |      V  |
17+50       4.3965      1.01  |   Q     |         |         |      V  |
17+55       4.4029      0.93  |  Q      |         |         |      V  |
18+ 0       4.4091      0.91  |  Q      |         |         |      V  |
18+ 5       4.4154      0.91  |  Q      |         |         |      V  |
18+10       4.4217      0.91  |  Q      |         |         |      V  |
18+15       4.4280      0.91  |  Q      |         |         |      V  |
18+20       4.4342      0.91  |  Q      |         |         |      V  |
18+25       4.4405      0.91  |  Q      |         |         |      V  |
18+30       4.4468      0.91  |  Q      |         |         |      V  |
18+35       4.4522      0.78  |  Q      |         |         |      V  |
18+40       4.4570      0.70  | Q       |         |         |      V  |
18+45       4.4617      0.68  | Q       |         |         |      V  |
18+50       4.4655      0.55  | Q       |         |         |      V  |
18+55       4.4687      0.47  |Q        |         |         |      V  |
19+ 0       4.4719      0.46  |Q        |         |         |      V  |
19+ 5       4.4759      0.59  | Q       |         |         |       V |
19+10       4.4805      0.67  | Q       |         |         |       V |
19+15       4.4852      0.68  | Q       |         |         |       V |
19+20       4.4908      0.81  |  Q      |         |         |       V |
19+25       4.4970      0.90  |  Q      |         |         |       V |
19+30       4.5033      0.91  |  Q      |         |         |       V |
19+35       4.5087      0.78  |  Q      |         |         |       V |
19+40       4.5135      0.70  | Q       |         |         |       V |
19+45       4.5182      0.68  | Q       |         |         |       V |
19+50       4.5220      0.55  | Q       |         |         |       V |
19+55       4.5253      0.47  |Q        |         |         |       V |
20+ 0       4.5284      0.46  |Q        |         |         |       V |
20+ 5       4.5324      0.59  | Q       |         |         |       V |
20+10       4.5370      0.67  | Q       |         |         |       V |
20+15       4.5418      0.68  | Q       |         |         |       V |
20+20       4.5465      0.68  | Q       |         |         |       V |
20+25       4.5512      0.68  | Q       |         |         |       V |
20+30       4.5559      0.68  | Q       |         |         |       V |
20+35       4.5606      0.68  | Q       |         |         |       V |
20+40       4.5653      0.68  | Q       |         |         |       V |
20+45       4.5700      0.68  | Q       |         |         |       V |
20+50       4.5738      0.55  | Q       |         |         |       V |
20+55       4.5771      0.47  |Q        |         |         |       V |
21+ 0       4.5802      0.46  |Q        |         |         |       V |
21+ 5       4.5842      0.59  | Q       |         |         |       V |
21+10       4.5888      0.67  | Q       |         |         |       V |
21+15       4.5935      0.68  | Q       |         |         |        V|
21+20       4.5974      0.55  | Q       |         |         |        V|
21+25       4.6006      0.47  |Q        |         |         |        V|
21+30       4.6037      0.46  |Q        |         |         |        V|
21+35       4.6078      0.59  | Q       |         |         |        V|
21+40       4.6124      0.67  | Q       |         |         |        V|
21+45       4.6171      0.68  | Q       |         |         |        V|
21+50       4.6209      0.55  | Q       |         |         |        V|
21+55       4.6241      0.47  |Q        |         |         |        V|
22+ 0       4.6273      0.46  |Q        |         |         |        V|
22+ 5       4.6313      0.59  | Q       |         |         |        V|
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   22+10       4.6359      0.67  | Q       |         |         |        V|
   22+15       4.6406      0.68  | Q       |         |         |        V|
   22+20       4.6445      0.55  | Q       |         |         |        V|
   22+25       4.6477      0.47  |Q        |         |         |        V|
   22+30       4.6508      0.46  |Q        |         |         |        V|
   22+35       4.6540      0.46  |Q        |         |         |        V|
   22+40       4.6571      0.46  |Q        |         |         |        V|
   22+45       4.6602      0.46  |Q        |         |         |        V|
   22+50       4.6634      0.46  |Q        |         |         |        V|
   22+55       4.6665      0.46  |Q        |         |         |        V|
   23+ 0       4.6697      0.46  |Q        |         |         |        V|
   23+ 5       4.6728      0.46  |Q        |         |         |        V|
   23+10       4.6759      0.46  |Q        |         |         |        V|
   23+15       4.6791      0.46  |Q        |         |         |        V|
   23+20       4.6822      0.46  |Q        |         |         |        V|
   23+25       4.6854      0.46  |Q        |         |         |        V|
   23+30       4.6885      0.46  |Q        |         |         |        V|
   23+35       4.6916      0.46  |Q        |         |         |        V|
   23+40       4.6948      0.46  |Q        |         |         |        V|
   23+45       4.6979      0.46  |Q        |         |         |        V|
   23+50       4.7011      0.46  |Q        |         |         |        V|
   23+55       4.7042      0.46  |Q        |         |         |        V|
   24+ 0       4.7073      0.46  |Q        |         |         |        V|
   24+ 5       4.7087      0.20  Q         |         |         |        V|
   24+10       4.7089      0.03  Q         |         |         |        V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/17/21 File: RVPRF1100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN F- PROPOSED UNIT HYDROGRAPH
100YR-1HRS

Drainage Area = 16.69(Ac.) = 0.026 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 16.69(Ac.) = 0.026 Sq. Mi.
Length along longest watercourse = 791.00(Ft.)
Length along longest watercourse measured to centroid = 467.00(Ft.)
Length along longest watercourse = 0.150 Mi.
Length along longest watercourse measured to centroid = 0.088 Mi.
Difference in elevation = 20.00(Ft.)
Slope along watercourse = 133.5019 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.65 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	0.55	9.18

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	1.30	21.70

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 1.300(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 1.300(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
16.690	59.50	0.822

Total Area Entered = 16.69(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
     59.5  77.6      0.272     0.822        0.071       1.000      0.071
                                                        Sum (F) =   0.071
     Area averaged mean soil loss (F) (In/Hr) =  0.176
     Minimum soil loss rate ((In/Hr)) =  0.088
     (for 24 hour storm duration)
     Note: User entry of the f value
     Soil low loss rate (decimal) =   0.242
     ------------------------------------------------------------------------
     Slope of intensity-duration curve for a 1 hour storm =0.5500
     ------------------------------------------------------------------------

                 U n i t  H y d r o g r a p h
                        VALLEY S-Curve
     ------------------------------------------------------------------------
                 Unit Hydrograph Data
     ------------------------------------------------------------------------
     Unit time period   Time % of lag   Distribution   Unit Hydrograph
         (hrs)                           Graph %           (CFS)
     ------------------------------------------------------------------------
         1   0.083        303.328         57.019             9.591
         2   0.167        606.657         36.946             6.214
         3   0.250        909.985          6.035             1.015
                                  Sum = 100.000   Sum=      16.820
-------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)          Max    |   Low        (In/Hr)
   1   0.08     3.30      0.515       (  0.176)       0.125        0.390
   2   0.17     4.20      0.655       (  0.176)       0.159        0.496
   3   0.25     4.40      0.686       (  0.176)       0.166        0.520
   4   0.33     4.80      0.749          0.176    (  0.181)        0.573
   5   0.42     5.20      0.811          0.176    (  0.197)        0.636
   6   0.50     6.20      0.967          0.176    (  0.234)        0.792
   7   0.58     6.80      1.061          0.176    (  0.257)        0.885
   8   0.67     8.80      1.373          0.176    (  0.333)        1.197
   9   0.75    13.90      2.168          0.176    (  0.526)        1.993
  10   0.83    31.40      4.898          0.176    (  1.187)        4.722
  11   0.92     7.20      1.123          0.176    (  0.272)        0.948
  12   1.00     3.80      0.593       (  0.176)       0.144        0.449
            (Loss Rate Not Used)
     Sum =     100.0                                  Sum =    13.6
       Flood volume = Effective rainfall      1.13(In)
        times area      16.7(Ac.)/[(In)/(Ft.)] =       1.6(Ac.Ft)
       Total soil loss =      0.17(In)
       Total soil loss =     0.232(Ac.Ft)
       Total rainfall =      1.30(In)
       Flood volume =       68662.7 Cubic Feet
       Total soil loss =       10085.5 Cubic Feet
       ---------------------------------------------------------------------
        Peak flow rate of this hydrograph =     58.918(CFS)
       ---------------------------------------------------------------------
       +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         1 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
       ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

       ---------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       15.0      30.0      45.0      60.0
  ----------------------------------------------------------------------
    0+ 5       0.0258      3.74  V Q       |         |         |         |
    0+10       0.0753      7.19  |V  Q     |         |         |         |
    0+15       0.1336      8.47  |  V Q    |         |         |         |
```

```
    0+20       0.1972      9.24  |    VQ   |          |          |          |
    0+25       0.2674     10.19  |     Q   |          |          |          |
    0+30       0.3509     12.13  |       Q |          |          |          |
    0+35       0.4478     14.06  |         Q|V         |          |          |
    0+40       0.5703     17.79  |          |Q  V      |          |          |
    0+45       0.7595     27.46  |          |       QV|          |          |
    0+50       1.1652     58.92  |          |         |        V |         Q|
    0+55       1.4440     40.48  |          |         |     Q    |     V    |
    1+ 0       1.5473     15.00  |         Q|         |          |         V|
    1+ 5       1.5731      3.75  | Q        |         |          |         V|
    1+10       1.5763      0.46  Q          |         |          |          V
---------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/17/21 File: RVPRF3100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN F- PROPOSED UNIT HYDROGRAPH
100YR-3HRS

Drainage Area = 16.69(Ac.) = 0.026 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 16.69(Ac.) = 0.026 Sq. Mi.
Length along longest watercourse = 791.00(Ft.)
Length along longest watercourse measured to centroid = 467.00(Ft.)
Length along longest watercourse = 0.150 Mi.
Length along longest watercourse measured to centroid = 0.088 Mi.
Difference in elevation = 20.00(Ft.)
Slope along watercourse = 133.5019 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.65 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	1.10	18.36

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	2.00	33.38

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 2.000(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
16.690	59.50	0.822

Total Area Entered = 16.69(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      59.5  77.6      0.272     0.822        0.071       1.000      0.071
                                                          Sum (F) =   0.071
      Area averaged mean soil loss (F) (In/Hr) =  0.176
      Minimum soil loss rate ((In/Hr)) =  0.088
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.242
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        303.328         57.019              9.591
          2   0.167        606.657         36.946              6.214
          3   0.250        909.985          6.035              1.015
                                    Sum = 100.000   Sum=      16.820
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.312	(0.176)	0.076	0.236
2	0.17	1.30	0.312	(0.176)	0.076	0.236
3	0.25	1.10	0.264	(0.176)	0.064	0.200
4	0.33	1.50	0.360	(0.176)	0.087	0.273
5	0.42	1.50	0.360	(0.176)	0.087	0.273
6	0.50	1.80	0.432	(0.176)	0.105	0.327
7	0.58	1.50	0.360	(0.176)	0.087	0.273
8	0.67	1.80	0.432	(0.176)	0.105	0.327
9	0.75	1.80	0.432	(0.176)	0.105	0.327
10	0.83	1.50	0.360	(0.176)	0.087	0.273
11	0.92	1.60	0.384	(0.176)	0.093	0.291
12	1.00	1.80	0.432	(0.176)	0.105	0.327
13	1.08	2.20	0.528	(0.176)	0.128	0.400
14	1.17	2.20	0.528	(0.176)	0.128	0.400
15	1.25	2.20	0.528	(0.176)	0.128	0.400
16	1.33	2.00	0.480	(0.176)	0.116	0.364
17	1.42	2.60	0.624	(0.176)	0.151	0.473
18	1.50	2.70	0.648	(0.176)	0.157	0.491
19	1.58	2.40	0.576	(0.176)	0.140	0.436
20	1.67	2.70	0.648	(0.176)	0.157	0.491
21	1.75	3.30	0.792	0.176	(0.192)	0.616
22	1.83	3.10	0.744	0.176	(0.180)	0.568
23	1.92	2.90	0.696	(0.176)	0.169	0.527
24	2.00	3.00	0.720	(0.176)	0.175	0.545
25	2.08	3.10	0.744	0.176	(0.180)	0.568
26	2.17	4.20	1.008	0.176	(0.244)	0.832
27	2.25	5.00	1.200	0.176	(0.291)	1.024
28	2.33	3.50	0.840	0.176	(0.204)	0.664
29	2.42	6.80	1.632	0.176	(0.396)	1.456
30	2.50	7.30	1.752	0.176	(0.425)	1.576
31	2.58	8.20	1.968	0.176	(0.477)	1.792
32	2.67	5.90	1.416	0.176	(0.343)	1.240
33	2.75	2.00	0.480	(0.176)	0.116	0.364
34	2.83	1.80	0.432	(0.176)	0.105	0.327
35	2.92	1.80	0.432	(0.176)	0.105	0.327
36	3.00	0.60	0.144	(0.176)	0.035	0.109
		(Loss Rate Not Used)				
Sum =		100.0			Sum =	19.4

```
      Flood volume = Effective rainfall      1.61(In)
       times area      16.7(Ac.)/[(In)/(Ft.)] =       2.2(Ac.Ft)
      Total soil loss =      0.39(In)
      Total soil loss =     0.538(Ac.Ft)
      Total rainfall =      2.00(In)
      Flood volume =       97732.6 Cubic Feet
      Total soil loss =       23427.9 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =     28.479(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          3 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0        7.5      15.0      22.5      30.0
  ------------------------------------------------------------------------
    0+ 5       0.0156      2.27  V  Q      |          |          |          |
    0+10       0.0414      3.74  V   Q     |          |          |          |
    0+15       0.0664      3.63  |V  Q     |          |          |          |
    0+20       0.0946      4.10  |V   Q    |          |          |          |
    0+25       0.1257      4.52  | V   Q   |          |          |          |
    0+30       0.1609      5.11  | V   Q   |          |          |          |
    0+35       0.1948      4.93  |  V  Q   |          |          |          |
    0+40       0.2304      5.17  |   V Q   |          |          |          |
    0+45       0.2680      5.45  |   V  Q  |          |          |          |
    0+50       0.3023      4.98  |    VQ   |          |          |          |
    0+55       0.3355      4.82  |    VQ   |          |          |          |
    1+ 0       0.3715      5.23  |     Q   |          |          |          |
    1+ 5       0.4140      6.17  |      VQ |          |          |          |
    1+10       0.4598      6.66  |       Q |          |          |          |
    1+15       0.5062      6.73  |       QV|          |          |          |
    1+20       0.5501      6.38  |       QV|          |          |          |
    1+25       0.5998      7.20  |        QV          |          |          |
    1+30       0.6550      8.02  |         QV         |          |          |
    1+35       0.7081      7.72  |         Q V        |          |          |
    1+40       0.7627      7.92  |         Q  V       |          |          |
    1+45       0.8275      9.41  |          | Q V     |          |          |
    1+50       0.8949      9.79  |          |  Q V    |          |          |
    1+55       0.9584      9.22  |          | Q    V  |          |          |
    2+ 0       1.0210      9.09  |          | Q     V |          |          |
    2+ 5       1.0856      9.38  |          | Q      V|          |          |
    2+10       1.1688     12.08  |          |     Q   V          |          |
    2+15       1.2761     15.58  |          |         Q V        |          |
    2+20       1.3697     13.59  |          |       Q |   V      |          |
    2+25       1.5016     19.15  |          |         |    QV    |          |
    2+30       1.6728     24.86  |          |         |        V|  Q       |
    2+35       1.8689     28.48  |          |         |         |  V   Q   |
    2+40       2.0387     24.65  |          |         |         | Q   V    |
    2+45       2.1283     13.02  |          |      Q  |         |      V   |
    2+50       2.1742      6.66  |       Q  |         |         |       V  |
    2+55       2.2124      5.54  |      Q   |         |         |        V |
    3+ 0       2.2359      3.41  |   Q      |         |         |        V |
    3+ 5       2.2429      1.01  |Q         |         |         |        V |
    3+10       2.2436      0.11  Q          |         |         |         V
  ------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/17/21 File: RVPRF6100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN F- PROPOSED UNIT HYDROGRAPH
100YR-6HRS

Drainage Area = 16.69(Ac.) = 0.026 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 16.69(Ac.) = 0.026 Sq. Mi.
Length along longest watercourse = 791.00(Ft.)
Length along longest watercourse measured to centroid = 467.00(Ft.)
Length along longest watercourse = 0.150 Mi.
Length along longest watercourse measured to centroid = 0.088 Mi.
Difference in elevation = 20.00(Ft.)
Slope along watercourse = 133.5019 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.65 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	1.60	26.70

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	3.00	50.07

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 3.000(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 3.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
16.690	59.50	0.822

Total Area Entered = 16.69(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      59.5  77.6      0.272     0.822        0.071       1.000      0.071
                                                          Sum (F) =   0.071
      Area averaged mean soil loss (F) (In/Hr) =  0.176
      Minimum soil loss rate ((In/Hr)) =  0.088
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.242
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------------
          1   0.083        303.328         57.019             9.591
          2   0.167        606.657         36.946             6.214
          3   0.250        909.985          6.035             1.015
                                    Sum = 100.000   Sum=      16.820
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.180	(0.176)	0.044	0.136
2	0.17	0.60	0.216	(0.176)	0.052	0.164
3	0.25	0.60	0.216	(0.176)	0.052	0.164
4	0.33	0.60	0.216	(0.176)	0.052	0.164
5	0.42	0.60	0.216	(0.176)	0.052	0.164
6	0.50	0.70	0.252	(0.176)	0.061	0.191
7	0.58	0.70	0.252	(0.176)	0.061	0.191
8	0.67	0.70	0.252	(0.176)	0.061	0.191
9	0.75	0.70	0.252	(0.176)	0.061	0.191
10	0.83	0.70	0.252	(0.176)	0.061	0.191
11	0.92	0.70	0.252	(0.176)	0.061	0.191
12	1.00	0.80	0.288	(0.176)	0.070	0.218
13	1.08	0.80	0.288	(0.176)	0.070	0.218
14	1.17	0.80	0.288	(0.176)	0.070	0.218
15	1.25	0.80	0.288	(0.176)	0.070	0.218
16	1.33	0.80	0.288	(0.176)	0.070	0.218
17	1.42	0.80	0.288	(0.176)	0.070	0.218
18	1.50	0.80	0.288	(0.176)	0.070	0.218
19	1.58	0.80	0.288	(0.176)	0.070	0.218
20	1.67	0.80	0.288	(0.176)	0.070	0.218
21	1.75	0.80	0.288	(0.176)	0.070	0.218
22	1.83	0.80	0.288	(0.176)	0.070	0.218
23	1.92	0.80	0.288	(0.176)	0.070	0.218
24	2.00	0.90	0.324	(0.176)	0.079	0.245
25	2.08	0.80	0.288	(0.176)	0.070	0.218
26	2.17	0.90	0.324	(0.176)	0.079	0.245
27	2.25	0.90	0.324	(0.176)	0.079	0.245
28	2.33	0.90	0.324	(0.176)	0.079	0.245
29	2.42	0.90	0.324	(0.176)	0.079	0.245
30	2.50	0.90	0.324	(0.176)	0.079	0.245
31	2.58	0.90	0.324	(0.176)	0.079	0.245
32	2.67	0.90	0.324	(0.176)	0.079	0.245
33	2.75	1.00	0.360	(0.176)	0.087	0.273
34	2.83	1.00	0.360	(0.176)	0.087	0.273
35	2.92	1.00	0.360	(0.176)	0.087	0.273
36	3.00	1.00	0.360	(0.176)	0.087	0.273
37	3.08	1.00	0.360	(0.176)	0.087	0.273
38	3.17	1.10	0.396	(0.176)	0.096	0.300

```
39   3.25     1.10      0.396       (  0.176)       0.096        0.300
40   3.33     1.10      0.396       (  0.176)       0.096        0.300
41   3.42     1.20      0.432       (  0.176)       0.105        0.327
42   3.50     1.30      0.468       (  0.176)       0.113        0.355
43   3.58     1.40      0.504       (  0.176)       0.122        0.382
44   3.67     1.40      0.504       (  0.176)       0.122        0.382
45   3.75     1.50      0.540       (  0.176)       0.131        0.409
46   3.83     1.50      0.540       (  0.176)       0.131        0.409
47   3.92     1.60      0.576       (  0.176)       0.140        0.436
48   4.00     1.60      0.576       (  0.176)       0.140        0.436
49   4.08     1.70      0.612       (  0.176)       0.148        0.464
50   4.17     1.80      0.648       (  0.176)       0.157        0.491
51   4.25     1.90      0.684       (  0.176)       0.166        0.518
52   4.33     2.00      0.720       (  0.176)       0.175        0.545
53   4.42     2.10      0.756          0.176    (  0.183)        0.580
54   4.50     2.10      0.756          0.176    (  0.183)        0.580
55   4.58     2.20      0.792          0.176    (  0.192)        0.616
56   4.67     2.30      0.828          0.176    (  0.201)        0.652
57   4.75     2.40      0.864          0.176    (  0.209)        0.688
58   4.83     2.40      0.864          0.176    (  0.209)        0.688
59   4.92     2.50      0.900          0.176    (  0.218)        0.724
60   5.00     2.60      0.936          0.176    (  0.227)        0.760
61   5.08     3.10      1.116          0.176    (  0.271)        0.940
62   5.17     3.60      1.296          0.176    (  0.314)        1.120
63   5.25     3.90      1.404          0.176    (  0.340)        1.228
64   5.33     4.20      1.512          0.176    (  0.366)        1.336
65   5.42     4.70      1.692          0.176    (  0.410)        1.516
66   5.50     5.60      2.016          0.176    (  0.489)        1.840
67   5.58     1.90      0.684       (  0.176)       0.166        0.518
68   5.67     0.90      0.324       (  0.176)       0.079        0.245
69   5.75     0.60      0.216       (  0.176)       0.052        0.164
70   5.83     0.50      0.180       (  0.176)       0.044        0.136
71   5.92     0.30      0.108       (  0.176)       0.026        0.082
72   6.00     0.20      0.072       (  0.176)       0.017        0.055
            (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    28.6
     Flood volume = Effective rainfall      2.39(In)
      times area      16.7(Ac.)/[(In)/(Ft.)] =       3.3(Ac.Ft)
     Total soil loss =      0.61(In)
     Total soil loss =     0.854(Ac.Ft)
     Total rainfall =      3.00(In)
     Flood volume =      144535.8 Cubic Feet
     Total soil loss =       37207.8 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     28.446(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        7.5      15.0      22.5      30.0
-------------------------------------------------------------------------
  0+ 5       0.0090      1.31  VQ        |         |         |         |
  0+10       0.0257      2.42  V  Q      |         |         |         |
  0+15       0.0444      2.73  V  Q      |         |         |         |
  0+20       0.0634      2.75  V  Q      |         |         |         |
  0+25       0.0824      2.75  V  Q      |         |         |         |
  0+30       0.1031      3.02  |V  Q     |         |         |         |
  0+35       0.1251      3.19  |V  Q     |         |         |         |
  0+40       0.1472      3.21  |V  Q     |         |         |         |
  0+45       0.1693      3.21  | V Q     |         |         |         |
  0+50       0.1915      3.21  | V Q     |         |         |         |
  0+55       0.2136      3.21  | V Q     |         |         |         |
  1+ 0       0.2375      3.47  | V Q     |         |         |         |
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   1+ 5       0.2626      3.64  |  VQ     |         |         |         |
   1+10       0.2879      3.67  |  VQ     |         |         |         |
   1+15       0.3132      3.67  |  VQ     |         |         |         |
   1+20       0.3385      3.67  |   Q     |         |         |         |
   1+25       0.3638      3.67  |   Q     |         |         |         |
   1+30       0.3890      3.67  |   Q     |         |         |         |
   1+35       0.4143      3.67  |   Q     |         |         |         |
   1+40       0.4396      3.67  |   QV    |         |         |         |
   1+45       0.4649      3.67  |   QV    |         |         |         |
   1+50       0.4902      3.67  |   QV    |         |         |         |
   1+55       0.5155      3.67  |   Q V   |         |         |         |
   2+ 0       0.5426      3.93  |    QV   |         |         |         |
   2+ 5       0.5690      3.84  |    QV   |         |         |         |
   2+10       0.5963      3.96  |    Q V  |         |         |         |
   2+15       0.6246      4.10  |    Q V  |         |         |         |
   2+20       0.6530      4.13  |    Q V  |         |         |         |
   2+25       0.6815      4.13  |    Q  V |         |         |         |
   2+30       0.7099      4.13  |    Q  V |         |         |         |
   2+35       0.7384      4.13  |    Q  V |         |         |         |
   2+40       0.7668      4.13  |    Q   V|         |         |         |
   2+45       0.7970      4.39  |    Q   V|         |         |         |
   2+50       0.8285      4.56  |     Q  V|         |         |         |
   2+55       0.8601      4.59  |     Q   V         |         |         |
   3+ 0       0.8917      4.59  |     Q   V         |         |         |
   3+ 5       0.9233      4.59  |     Q   |V        |         |         |
   3+10       0.9567      4.85  |     Q   |V        |         |         |
   3+15       0.9913      5.02  |     Q   |V        |         |         |
   3+20       1.0261      5.05  |     Q   | V       |         |         |
   3+25       1.0626      5.31  |      Q  | V       |         |         |
   3+30       1.1022      5.74  |      Q  |  V      |         |         |
   3+35       1.1449      6.20  |       Q |  V      |         |         |
   3+40       1.1889      6.40  |       Q |   V     |         |         |
   3+45       1.2350      6.69  |       Q |   V     |         |         |
   3+50       1.2822      6.86  |        Q|    V    |         |         |
   3+55       1.3314      7.15  |        Q|     V   |         |         |
   4+ 0       1.3818      7.32  |        Q|     V   |         |         |
   4+ 5       1.4342      7.61  |         Q      V  |         |         |
   4+10       1.4895      8.04  |         Q      V  |         |         |
   4+15       1.5480      8.50  |         |Q      V |         |         |
   4+20       1.6097      8.95  |         |Q       V|         |         |
   4+25       1.6751      9.49  |         | Q       V         |         |
   4+30       1.7421      9.73  |         | Q       |V        |         |
   4+35       1.8117     10.11  |         |  Q      |V        |         |
   4+40       1.8853     10.68  |         |   Q     | V       |         |
   4+45       1.9631     11.29  |         |    Q    |  V      |         |
   4+50       2.0426     11.55  |         |    Q    |   V     |         |
   4+55       2.1248     11.93  |         |    Q    |    V    |         |
   5+ 0       2.2109     12.50  |         |     Q   |     V   |         |
   5+ 5       2.3106     14.49  |         |        Q|      V  |         |
   5+10       2.4303     17.37  |         |         |  Q     V|         |
   5+15       2.5660     19.71  |         |         |     Q   V         |
   5+20       2.7148     21.60  |         |         |       Q | V       |
   5+25       2.8808     24.11  |         |         |         | Q V     |
   5+30       3.0767     28.45  |         |         |         |      Q  |
   5+35       3.2004     17.96  |         |         |  Q      |       V |
   5+40       3.2517      7.45  |         Q|        |         |        V|
   5+45       3.2766      3.62  |   Q     |         |         |        V|
   5+50       3.2943      2.58  |  Q      |         |         |        V|
   5+55       3.3067      1.80  | Q       |         |         |        V|
   6+ 0       3.3148      1.17  |Q        |         |         |        V|
   6+ 5       3.3177      0.42  Q         |         |         |        V|
   6+10       3.3181      0.06  Q         |         |         |        V|
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/17/21 File: RVPRF24100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN F- PROPOSED UNIT HYDROGRAPH
100YR-24HRS

Drainage Area = 16.69(Ac.) = 0.026 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 16.69(Ac.) = 0.026 Sq. Mi.
Length along longest watercourse = 791.00(Ft.)
Length along longest watercourse measured to centroid = 467.00(Ft.)
Length along longest watercourse = 0.150 Mi.
Length along longest watercourse measured to centroid = 0.088 Mi.
Difference in elevation = 20.00(Ft.)
Slope along watercourse = 133.5019 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.027 Hr.
Lag time = 1.65 Min.
25% of lag time = 0.41 Min.
40% of lag time = 0.66 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	2.70	45.06

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	7.00	116.83

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 7.000(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 7.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
16.690	59.50	0.822

Total Area Entered = 16.69(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      59.5  77.6      0.272     0.822        0.071       1.000      0.071
                                                          Sum (F) =   0.071
      Area averaged mean soil loss (F) (In/Hr) =  0.176
      Minimum soil loss rate ((In/Hr)) =  0.088
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.242
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------------
          1   0.083        303.328         57.019             9.591
          2   0.167        606.657         36.946             6.214
          3   0.250        909.985          6.035             1.015
                                    Sum = 100.000   Sum=      16.820
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The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.07	0.056	(0.311)	0.014	0.042
2	0.17	0.07	0.056	(0.310)	0.014	0.042
3	0.25	0.07	0.056	(0.309)	0.014	0.042
4	0.33	0.10	0.084	(0.308)	0.020	0.064
5	0.42	0.10	0.084	(0.306)	0.020	0.064
6	0.50	0.10	0.084	(0.305)	0.020	0.064
7	0.58	0.10	0.084	(0.304)	0.020	0.064
8	0.67	0.10	0.084	(0.303)	0.020	0.064
9	0.75	0.10	0.084	(0.302)	0.020	0.064
10	0.83	0.13	0.112	(0.300)	0.027	0.085
11	0.92	0.13	0.112	(0.299)	0.027	0.085
12	1.00	0.13	0.112	(0.298)	0.027	0.085
13	1.08	0.10	0.084	(0.297)	0.020	0.064
14	1.17	0.10	0.084	(0.296)	0.020	0.064
15	1.25	0.10	0.084	(0.294)	0.020	0.064
16	1.33	0.10	0.084	(0.293)	0.020	0.064
17	1.42	0.10	0.084	(0.292)	0.020	0.064
18	1.50	0.10	0.084	(0.291)	0.020	0.064
19	1.58	0.10	0.084	(0.290)	0.020	0.064
20	1.67	0.10	0.084	(0.289)	0.020	0.064
21	1.75	0.10	0.084	(0.288)	0.020	0.064
22	1.83	0.13	0.112	(0.286)	0.027	0.085
23	1.92	0.13	0.112	(0.285)	0.027	0.085
24	2.00	0.13	0.112	(0.284)	0.027	0.085
25	2.08	0.13	0.112	(0.283)	0.027	0.085
26	2.17	0.13	0.112	(0.282)	0.027	0.085
27	2.25	0.13	0.112	(0.281)	0.027	0.085
28	2.33	0.13	0.112	(0.279)	0.027	0.085
29	2.42	0.13	0.112	(0.278)	0.027	0.085
30	2.50	0.13	0.112	(0.277)	0.027	0.085
31	2.58	0.17	0.140	(0.276)	0.034	0.106
32	2.67	0.17	0.140	(0.275)	0.034	0.106
33	2.75	0.17	0.140	(0.274)	0.034	0.106
34	2.83	0.17	0.140	(0.273)	0.034	0.106
35	2.92	0.17	0.140	(0.272)	0.034	0.106
36	3.00	0.17	0.140	(0.270)	0.034	0.106
37	3.08	0.17	0.140	(0.269)	0.034	0.106
38	3.17	0.17	0.140	(0.268)	0.034	0.106

39	3.25	0.17	0.140	(0.267)	0.034	0.106
40	3.33	0.17	0.140	(0.266)	0.034	0.106
41	3.42	0.17	0.140	(0.265)	0.034	0.106
42	3.50	0.17	0.140	(0.264)	0.034	0.106
43	3.58	0.17	0.140	(0.263)	0.034	0.106
44	3.67	0.17	0.140	(0.262)	0.034	0.106
45	3.75	0.17	0.140	(0.260)	0.034	0.106
46	3.83	0.20	0.168	(0.259)	0.041	0.127
47	3.92	0.20	0.168	(0.258)	0.041	0.127
48	4.00	0.20	0.168	(0.257)	0.041	0.127
49	4.08	0.20	0.168	(0.256)	0.041	0.127
50	4.17	0.20	0.168	(0.255)	0.041	0.127
51	4.25	0.20	0.168	(0.254)	0.041	0.127
52	4.33	0.23	0.196	(0.253)	0.048	0.148
53	4.42	0.23	0.196	(0.252)	0.048	0.148
54	4.50	0.23	0.196	(0.251)	0.048	0.148
55	4.58	0.23	0.196	(0.250)	0.048	0.148
56	4.67	0.23	0.196	(0.248)	0.048	0.148
57	4.75	0.23	0.196	(0.247)	0.048	0.148
58	4.83	0.27	0.224	(0.246)	0.054	0.170
59	4.92	0.27	0.224	(0.245)	0.054	0.170
60	5.00	0.27	0.224	(0.244)	0.054	0.170
61	5.08	0.20	0.168	(0.243)	0.041	0.127
62	5.17	0.20	0.168	(0.242)	0.041	0.127
63	5.25	0.20	0.168	(0.241)	0.041	0.127
64	5.33	0.23	0.196	(0.240)	0.048	0.148
65	5.42	0.23	0.196	(0.239)	0.048	0.148
66	5.50	0.23	0.196	(0.238)	0.048	0.148
67	5.58	0.27	0.224	(0.237)	0.054	0.170
68	5.67	0.27	0.224	(0.236)	0.054	0.170
69	5.75	0.27	0.224	(0.235)	0.054	0.170
70	5.83	0.27	0.224	(0.234)	0.054	0.170
71	5.92	0.27	0.224	(0.233)	0.054	0.170
72	6.00	0.27	0.224	(0.232)	0.054	0.170
73	6.08	0.30	0.252	(0.231)	0.061	0.191
74	6.17	0.30	0.252	(0.230)	0.061	0.191
75	6.25	0.30	0.252	(0.229)	0.061	0.191
76	6.33	0.30	0.252	(0.228)	0.061	0.191
77	6.42	0.30	0.252	(0.227)	0.061	0.191
78	6.50	0.30	0.252	(0.226)	0.061	0.191
79	6.58	0.33	0.280	(0.225)	0.068	0.212
80	6.67	0.33	0.280	(0.224)	0.068	0.212
81	6.75	0.33	0.280	(0.222)	0.068	0.212
82	6.83	0.33	0.280	(0.221)	0.068	0.212
83	6.92	0.33	0.280	(0.220)	0.068	0.212
84	7.00	0.33	0.280	(0.219)	0.068	0.212
85	7.08	0.33	0.280	(0.218)	0.068	0.212
86	7.17	0.33	0.280	(0.217)	0.068	0.212
87	7.25	0.33	0.280	(0.217)	0.068	0.212
88	7.33	0.37	0.308	(0.216)	0.075	0.233
89	7.42	0.37	0.308	(0.215)	0.075	0.233
90	7.50	0.37	0.308	(0.214)	0.075	0.233
91	7.58	0.40	0.336	(0.213)	0.081	0.255
92	7.67	0.40	0.336	(0.212)	0.081	0.255
93	7.75	0.40	0.336	(0.211)	0.081	0.255
94	7.83	0.43	0.364	(0.210)	0.088	0.276
95	7.92	0.43	0.364	(0.209)	0.088	0.276
96	8.00	0.43	0.364	(0.208)	0.088	0.276
97	8.08	0.50	0.420	(0.207)	0.102	0.318
98	8.17	0.50	0.420	(0.206)	0.102	0.318
99	8.25	0.50	0.420	(0.205)	0.102	0.318
100	8.33	0.50	0.420	(0.204)	0.102	0.318
101	8.42	0.50	0.420	(0.203)	0.102	0.318
102	8.50	0.50	0.420	(0.202)	0.102	0.318
103	8.58	0.53	0.448	(0.201)	0.109	0.339
104	8.67	0.53	0.448	(0.200)	0.109	0.339
105	8.75	0.53	0.448	(0.199)	0.109	0.339

106	8.83	0.57	0.476	(0.198)	0.115	0.361
107	8.92	0.57	0.476	(0.197)	0.115	0.361
108	9.00	0.57	0.476	(0.196)	0.115	0.361
109	9.08	0.63	0.532	(0.195)	0.129	0.403
110	9.17	0.63	0.532	(0.194)	0.129	0.403
111	9.25	0.63	0.532	(0.194)	0.129	0.403
112	9.33	0.67	0.560	(0.193)	0.136	0.424
113	9.42	0.67	0.560	(0.192)	0.136	0.424
114	9.50	0.67	0.560	(0.191)	0.136	0.424
115	9.58	0.70	0.588	(0.190)	0.143	0.445
116	9.67	0.70	0.588	(0.189)	0.143	0.445
117	9.75	0.70	0.588	(0.188)	0.143	0.445
118	9.83	0.73	0.616	(0.187)	0.149	0.467
119	9.92	0.73	0.616	(0.186)	0.149	0.467
120	10.00	0.73	0.616	(0.185)	0.149	0.467
121	10.08	0.50	0.420	(0.184)	0.102	0.318
122	10.17	0.50	0.420	(0.184)	0.102	0.318
123	10.25	0.50	0.420	(0.183)	0.102	0.318
124	10.33	0.50	0.420	(0.182)	0.102	0.318
125	10.42	0.50	0.420	(0.181)	0.102	0.318
126	10.50	0.50	0.420	(0.180)	0.102	0.318
127	10.58	0.67	0.560	(0.179)	0.136	0.424
128	10.67	0.67	0.560	(0.178)	0.136	0.424
129	10.75	0.67	0.560	(0.177)	0.136	0.424
130	10.83	0.67	0.560	(0.177)	0.136	0.424
131	10.92	0.67	0.560	(0.176)	0.136	0.424
132	11.00	0.67	0.560	(0.175)	0.136	0.424
133	11.08	0.63	0.532	(0.174)	0.129	0.403
134	11.17	0.63	0.532	(0.173)	0.129	0.403
135	11.25	0.63	0.532	(0.172)	0.129	0.403
136	11.33	0.63	0.532	(0.171)	0.129	0.403
137	11.42	0.63	0.532	(0.171)	0.129	0.403
138	11.50	0.63	0.532	(0.170)	0.129	0.403
139	11.58	0.57	0.476	(0.169)	0.115	0.361
140	11.67	0.57	0.476	(0.168)	0.115	0.361
141	11.75	0.57	0.476	(0.167)	0.115	0.361
142	11.83	0.60	0.504	(0.166)	0.122	0.382
143	11.92	0.60	0.504	(0.165)	0.122	0.382
144	12.00	0.60	0.504	(0.165)	0.122	0.382
145	12.08	0.83	0.700	0.164	(0.170)	0.536
146	12.17	0.83	0.700	0.163	(0.170)	0.537
147	12.25	0.83	0.700	0.162	(0.170)	0.538
148	12.33	0.87	0.728	0.161	(0.176)	0.567
149	12.42	0.87	0.728	0.161	(0.176)	0.567
150	12.50	0.87	0.728	0.160	(0.176)	0.568
151	12.58	0.93	0.784	0.159	(0.190)	0.625
152	12.67	0.93	0.784	0.158	(0.190)	0.626
153	12.75	0.93	0.784	0.157	(0.190)	0.627
154	12.83	0.97	0.812	0.157	(0.197)	0.655
155	12.92	0.97	0.812	0.156	(0.197)	0.656
156	13.00	0.97	0.812	0.155	(0.197)	0.657
157	13.08	1.13	0.952	0.154	(0.231)	0.798
158	13.17	1.13	0.952	0.153	(0.231)	0.799
159	13.25	1.13	0.952	0.153	(0.231)	0.799
160	13.33	1.13	0.952	0.152	(0.231)	0.800
161	13.42	1.13	0.952	0.151	(0.231)	0.801
162	13.50	1.13	0.952	0.150	(0.231)	0.802
163	13.58	0.77	0.644	0.150	(0.156)	0.494
164	13.67	0.77	0.644	0.149	(0.156)	0.495
165	13.75	0.77	0.644	0.148	(0.156)	0.496
166	13.83	0.77	0.644	0.147	(0.156)	0.497
167	13.92	0.77	0.644	0.147	(0.156)	0.497
168	14.00	0.77	0.644	0.146	(0.156)	0.498
169	14.08	0.90	0.756	0.145	(0.183)	0.611
170	14.17	0.90	0.756	0.144	(0.183)	0.612
171	14.25	0.90	0.756	0.144	(0.183)	0.612
172	14.33	0.87	0.728	0.143	(0.176)	0.585

173	14.42	0.87	0.728	0.142	(0.176)	0.586
174	14.50	0.87	0.728	0.141	(0.176)	0.587
175	14.58	0.87	0.728	0.141	(0.176)	0.587
176	14.67	0.87	0.728	0.140	(0.176)	0.588
177	14.75	0.87	0.728	0.139	(0.176)	0.589
178	14.83	0.83	0.700	0.138	(0.170)	0.561
179	14.92	0.83	0.700	0.138	(0.170)	0.562
180	15.00	0.83	0.700	0.137	(0.170)	0.563
181	15.08	0.80	0.672	0.136	(0.163)	0.536
182	15.17	0.80	0.672	0.136	(0.163)	0.536
183	15.25	0.80	0.672	0.135	(0.163)	0.537
184	15.33	0.77	0.644	0.134	(0.156)	0.510
185	15.42	0.77	0.644	0.134	(0.156)	0.510
186	15.50	0.77	0.644	0.133	(0.156)	0.511
187	15.58	0.63	0.532	(0.132)	0.129	0.403
188	15.67	0.63	0.532	(0.132)	0.129	0.403
189	15.75	0.63	0.532	(0.131)	0.129	0.403
190	15.83	0.63	0.532	(0.130)	0.129	0.403
191	15.92	0.63	0.532	(0.130)	0.129	0.403
192	16.00	0.63	0.532	0.129	(0.129)	0.403
193	16.08	0.13	0.112	(0.128)	0.027	0.085
194	16.17	0.13	0.112	(0.128)	0.027	0.085
195	16.25	0.13	0.112	(0.127)	0.027	0.085
196	16.33	0.13	0.112	(0.126)	0.027	0.085
197	16.42	0.13	0.112	(0.126)	0.027	0.085
198	16.50	0.13	0.112	(0.125)	0.027	0.085
199	16.58	0.10	0.084	(0.124)	0.020	0.064
200	16.67	0.10	0.084	(0.124)	0.020	0.064
201	16.75	0.10	0.084	(0.123)	0.020	0.064
202	16.83	0.10	0.084	(0.122)	0.020	0.064
203	16.92	0.10	0.084	(0.122)	0.020	0.064
204	17.00	0.10	0.084	(0.121)	0.020	0.064
205	17.08	0.17	0.140	(0.121)	0.034	0.106
206	17.17	0.17	0.140	(0.120)	0.034	0.106
207	17.25	0.17	0.140	(0.119)	0.034	0.106
208	17.33	0.17	0.140	(0.119)	0.034	0.106
209	17.42	0.17	0.140	(0.118)	0.034	0.106
210	17.50	0.17	0.140	(0.118)	0.034	0.106
211	17.58	0.17	0.140	(0.117)	0.034	0.106
212	17.67	0.17	0.140	(0.116)	0.034	0.106
213	17.75	0.17	0.140	(0.116)	0.034	0.106
214	17.83	0.13	0.112	(0.115)	0.027	0.085
215	17.92	0.13	0.112	(0.115)	0.027	0.085
216	18.00	0.13	0.112	(0.114)	0.027	0.085
217	18.08	0.13	0.112	(0.114)	0.027	0.085
218	18.17	0.13	0.112	(0.113)	0.027	0.085
219	18.25	0.13	0.112	(0.112)	0.027	0.085
220	18.33	0.13	0.112	(0.112)	0.027	0.085
221	18.42	0.13	0.112	(0.111)	0.027	0.085
222	18.50	0.13	0.112	(0.111)	0.027	0.085
223	18.58	0.10	0.084	(0.110)	0.020	0.064
224	18.67	0.10	0.084	(0.110)	0.020	0.064
225	18.75	0.10	0.084	(0.109)	0.020	0.064
226	18.83	0.07	0.056	(0.109)	0.014	0.042
227	18.92	0.07	0.056	(0.108)	0.014	0.042
228	19.00	0.07	0.056	(0.108)	0.014	0.042
229	19.08	0.10	0.084	(0.107)	0.020	0.064
230	19.17	0.10	0.084	(0.107)	0.020	0.064
231	19.25	0.10	0.084	(0.106)	0.020	0.064
232	19.33	0.13	0.112	(0.106)	0.027	0.085
233	19.42	0.13	0.112	(0.105)	0.027	0.085
234	19.50	0.13	0.112	(0.105)	0.027	0.085
235	19.58	0.10	0.084	(0.104)	0.020	0.064
236	19.67	0.10	0.084	(0.104)	0.020	0.064
237	19.75	0.10	0.084	(0.103)	0.020	0.064
238	19.83	0.07	0.056	(0.103)	0.014	0.042
239	19.92	0.07	0.056	(0.102)	0.014	0.042

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240  20.00     0.07      0.056       (  0.102)       0.014        0.042
241  20.08     0.10      0.084       (  0.101)       0.020        0.064
242  20.17     0.10      0.084       (  0.101)       0.020        0.064
243  20.25     0.10      0.084       (  0.101)       0.020        0.064
244  20.33     0.10      0.084       (  0.100)       0.020        0.064
245  20.42     0.10      0.084       (  0.100)       0.020        0.064
246  20.50     0.10      0.084       (  0.099)       0.020        0.064
247  20.58     0.10      0.084       (  0.099)       0.020        0.064
248  20.67     0.10      0.084       (  0.098)       0.020        0.064
249  20.75     0.10      0.084       (  0.098)       0.020        0.064
250  20.83     0.07      0.056       (  0.098)       0.014        0.042
251  20.92     0.07      0.056       (  0.097)       0.014        0.042
252  21.00     0.07      0.056       (  0.097)       0.014        0.042
253  21.08     0.10      0.084       (  0.096)       0.020        0.064
254  21.17     0.10      0.084       (  0.096)       0.020        0.064
255  21.25     0.10      0.084       (  0.096)       0.020        0.064
256  21.33     0.07      0.056       (  0.095)       0.014        0.042
257  21.42     0.07      0.056       (  0.095)       0.014        0.042
258  21.50     0.07      0.056       (  0.095)       0.014        0.042
259  21.58     0.10      0.084       (  0.094)       0.020        0.064
260  21.67     0.10      0.084       (  0.094)       0.020        0.064
261  21.75     0.10      0.084       (  0.094)       0.020        0.064
262  21.83     0.07      0.056       (  0.093)       0.014        0.042
263  21.92     0.07      0.056       (  0.093)       0.014        0.042
264  22.00     0.07      0.056       (  0.093)       0.014        0.042
265  22.08     0.10      0.084       (  0.092)       0.020        0.064
266  22.17     0.10      0.084       (  0.092)       0.020        0.064
267  22.25     0.10      0.084       (  0.092)       0.020        0.064
268  22.33     0.07      0.056       (  0.091)       0.014        0.042
269  22.42     0.07      0.056       (  0.091)       0.014        0.042
270  22.50     0.07      0.056       (  0.091)       0.014        0.042
271  22.58     0.07      0.056       (  0.091)       0.014        0.042
272  22.67     0.07      0.056       (  0.090)       0.014        0.042
273  22.75     0.07      0.056       (  0.090)       0.014        0.042
274  22.83     0.07      0.056       (  0.090)       0.014        0.042
275  22.92     0.07      0.056       (  0.090)       0.014        0.042
276  23.00     0.07      0.056       (  0.089)       0.014        0.042
277  23.08     0.07      0.056       (  0.089)       0.014        0.042
278  23.17     0.07      0.056       (  0.089)       0.014        0.042
279  23.25     0.07      0.056       (  0.089)       0.014        0.042
280  23.33     0.07      0.056       (  0.089)       0.014        0.042
281  23.42     0.07      0.056       (  0.089)       0.014        0.042
282  23.50     0.07      0.056       (  0.088)       0.014        0.042
283  23.58     0.07      0.056       (  0.088)       0.014        0.042
284  23.67     0.07      0.056       (  0.088)       0.014        0.042
285  23.75     0.07      0.056       (  0.088)       0.014        0.042
286  23.83     0.07      0.056       (  0.088)       0.014        0.042
287  23.92     0.07      0.056       (  0.088)       0.014        0.042
288  24.00     0.07      0.056       (  0.088)       0.014        0.042
          (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    65.0
     Flood volume = Effective rainfall      5.42(In)
      times area      16.7(Ac.)/[(In)/(Ft.)] =       7.5(Ac.Ft)
     Total soil loss =      1.58(In)
     Total soil loss =     2.200(Ac.Ft)
     Total rainfall =      7.00(In)
     Flood volume =      328262.3 Cubic Feet
     Total soil loss =       95816.8 Cubic Feet
     ------------------------------------------------------------------
      Peak flow rate of this hydrograph =     13.485(CFS)
     ------------------------------------------------------------------
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        24 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
     ------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))
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Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0028	0.41	Q				
0+10	0.0074	0.67	VQ				
0+15	0.0123	0.71	VQ				
0+20	0.0187	0.92	VQ				
0+25	0.0259	1.05	V Q				
0+30	0.0333	1.07	V Q				
0+35	0.0406	1.07	V Q				
0+40	0.0480	1.07	V Q				
0+45	0.0554	1.07	V Q				
0+50	0.0642	1.27	V Q				
0+55	0.0739	1.41	V Q				
1+ 0	0.0837	1.43	V Q				
1+ 5	0.0921	1.22	V Q				
1+10	0.0996	1.09	V Q				
1+15	0.1070	1.07	V Q				
1+20	0.1144	1.07	V Q				
1+25	0.1218	1.07	V Q				
1+30	0.1291	1.07	V Q				
1+35	0.1365	1.07	V Q				
1+40	0.1439	1.07	V Q				
1+45	0.1513	1.07	V Q				
1+50	0.1601	1.27	V Q				
1+55	0.1697	1.41	V Q				
2+ 0	0.1796	1.43	V Q				
2+ 5	0.1894	1.43	|VQ				
2+10	0.1992	1.43	|VQ				
2+15	0.2091	1.43	|VQ				
2+20	0.2189	1.43	|VQ				
2+25	0.2287	1.43	|VQ				
2+30	0.2386	1.43	|VQ				
2+35	0.2498	1.63	|V Q				
2+40	0.2620	1.76	|V Q				
2+45	0.2742	1.78	|V Q				
2+50	0.2865	1.78	|V Q				
2+55	0.2988	1.78	|V Q				
3+ 0	0.3111	1.78	|V Q				
3+ 5	0.3234	1.78	|V Q				
3+10	0.3357	1.78	|V Q				
3+15	0.3480	1.78	|V Q				
3+20	0.3603	1.78	|V Q				
3+25	0.3726	1.78	|V Q				
3+30	0.3849	1.78	| VQ				
3+35	0.3972	1.78	| VQ				
3+40	0.4095	1.78	| VQ				
3+45	0.4218	1.78	| VQ				
3+50	0.4355	1.99	| VQ				
3+55	0.4501	2.12	| V Q				
4+ 0	0.4648	2.14	| V Q				
4+ 5	0.4796	2.14	| V Q				
4+10	0.4943	2.14	| V Q				
4+15	0.5091	2.14	| V Q				
4+20	0.5252	2.35	| V Q				
4+25	0.5423	2.48	| V Q				
4+30	0.5595	2.50	| V Q				
4+35	0.5767	2.50	| VQ				
4+40	0.5939	2.50	| VQ				
4+45	0.6111	2.50	| VQ				
4+50	0.6297	2.70	| V Q				
4+55	0.6492	2.83	| V Q				
5+ 0	0.6689	2.86	| V Q				
5+ 5	0.6858	2.45	| VQ				
5+10	0.7008	2.18	| VQ				
5+15	0.7156	2.14	| VQ				
5+20	0.7317	2.35	| VQ				

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 5+25       0.7488      2.48  |  VQ     |         |         |         |
 5+30       0.7660      2.50  |   Q     |         |         |         |
 5+35       0.7846      2.70  |   VQ    |         |         |         |
 5+40       0.8041      2.83  |   VQ    |         |         |         |
 5+45       0.8238      2.86  |   VQ    |         |         |         |
 5+50       0.8435      2.86  |   VQ    |         |         |         |
 5+55       0.8631      2.86  |   VQ    |         |         |         |
 6+ 0       0.8828      2.86  |   VQ    |         |         |         |
 6+ 5       0.9039      3.06  |   V Q   |         |         |         |
 6+10       0.9259      3.19  |   V Q   |         |         |         |
 6+15       0.9480      3.21  |    VQ   |         |         |         |
 6+20       0.9701      3.21  |    VQ   |         |         |         |
 6+25       0.9922      3.21  |    VQ   |         |         |         |
 6+30       1.0144      3.21  |    VQ   |         |         |         |
 6+35       1.0379      3.42  |    VQ   |         |         |         |
 6+40       1.0623      3.55  |    V Q  |         |         |         |
 6+45       1.0869      3.57  |    V Q  |         |         |         |
 6+50       1.1115      3.57  |    V Q  |         |         |         |
 6+55       1.1361      3.57  |     VQ  |         |         |         |
 7+ 0       1.1607      3.57  |     VQ  |         |         |         |
 7+ 5       1.1853      3.57  |     VQ  |         |         |         |
 7+10       1.2098      3.57  |     VQ  |         |         |         |
 7+15       1.2344      3.57  |     VQ  |         |         |         |
 7+20       1.2604      3.77  |     VQ  |         |         |         |
 7+25       1.2873      3.91  |     VQ  |         |         |         |
 7+30       1.3144      3.93  |     VQ  |         |         |         |
 7+35       1.3428      4.13  |      VQ |         |         |         |
 7+40       1.3722      4.26  |      VQ |         |         |         |
 7+45       1.4017      4.28  |      VQ |         |         |         |
 7+50       1.4326      4.49  |      VQ |         |         |         |
 7+55       1.4644      4.62  |      V Q|         |         |         |
 8+ 0       1.4963      4.64  |      V Q|         |         |         |
 8+ 5       1.5311      5.05  |       V Q         |         |         |
 8+10       1.5677      5.31  |       V Q         |         |         |
 8+15       1.6046      5.35  |       V Q         |         |         |
 8+20       1.6414      5.35  |       V Q         |         |         |
 8+25       1.6783      5.35  |       V Q         |         |         |
 8+30       1.7152      5.35  |        VQ         |         |         |
 8+35       1.7535      5.56  |        V|Q        |         |         |
 8+40       1.7927      5.69  |        V|Q        |         |         |
 8+45       1.8320      5.71  |        V|Q        |         |         |
 8+50       1.8727      5.92  |        V|Q        |         |         |
 8+55       1.9144      6.05  |         V Q       |         |         |
 9+ 0       1.9562      6.07  |         V Q       |         |         |
 9+ 5       2.0008      6.48  |         V Q       |         |         |
 9+10       2.0472      6.74  |         V  Q      |         |         |
 9+15       2.0939      6.78  |         |V Q      |         |         |
 9+20       2.1420      6.99  |         |V Q      |         |         |
 9+25       2.1910      7.12  |         |V  Q     |         |         |
 9+30       2.2402      7.14  |         |V  Q     |         |         |
 9+35       2.2908      7.34  |         | V Q     |         |         |
 9+40       2.3423      7.48  |         | V Q     |         |         |
 9+45       2.3939      7.50  |         | V Q     |         |         |
 9+50       2.4469      7.70  |         | V  Q    |         |         |
 9+55       2.5009      7.83  |         |  V Q    |         |         |
10+ 0       2.5550      7.85  |         |  V Q    |         |         |
10+ 5       2.5992      6.43  |         | QV      |         |         |
10+10       2.6371      5.51  |         |Q V      |         |         |
10+15       2.6740      5.35  |         Q   V     |         |         |
10+20       2.7109      5.35  |         Q   V     |         |         |
10+25       2.7478      5.35  |         Q   V     |         |         |
10+30       2.7847      5.35  |         Q   V     |         |         |
10+35       2.8285      6.37  |         | Q  V    |         |         |
10+40       2.8770      7.03  |         |   QV    |         |         |
10+45       2.9261      7.14  |         |   QV    |         |         |
10+50       2.9753      7.14  |         |   QV    |         |         |
10+55       3.0245      7.14  |         |   Q V   |         |         |
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11+ 0       3.0737      7.14  |          |   Q V   |          |          |
11+ 5       3.1214      6.94  |          |  Q  V   |          |          |
11+10       3.1683      6.80  |          |  Q  V   |          |          |
11+15       3.2150      6.78  |          |  Q   V  |          |          |
11+20       3.2617      6.78  |          |  Q   V  |          |          |
11+25       3.3084      6.78  |          |  Q   V  |          |          |
11+30       3.3551      6.78  |          |  Q   V  |          |          |
11+35       3.3990      6.38  |          | Q     V |          |          |
11+40       3.4411      6.11  |          | Q     V |          |          |
11+45       3.4829      6.07  |          | Q     V |          |          |
11+50       3.5261      6.27  |          | Q     V |          |          |
11+55       3.5702      6.40  |          | Q     V |          |          |
12+ 0       3.6145      6.43  |          | Q      V|          |          |
12+ 5       3.6689      7.91  |          |    Q   V|          |          |
12+10       3.7301      8.87  |          |      Q V|          |          |
12+15       3.7923      9.04  |          |       Q V          |          |
12+20       3.8566      9.33  |          |       Q V          |          |
12+25       3.9221      9.51  |          |        QV          |          |
12+30       3.9879      9.56  |          |        Q|V         |          |
12+35       4.0575     10.11  |          |         QV         |          |
12+40       4.1296     10.47  |          |         QV         |          |
12+45       4.2022     10.54  |          |         |QV        |          |
12+50       4.2767     10.82  |          |         |QV        |          |
12+55       4.3525     11.01  |          |         | QV       |          |
13+ 0       4.4286     11.05  |          |         | QV       |          |
13+ 5       4.5141     12.41  |          |         |  VQ      |          |
13+10       4.6056     13.29  |          |         |   V Q    |          |
13+15       4.6982     13.45  |          |         |   V Q    |          |
13+20       4.7909     13.46  |          |         |    VQ    |          |
13+25       4.8837     13.47  |          |         |    VQ    |          |
13+30       4.9766     13.48  |          |         |     Q    |          |
13+35       5.0492     10.54  |          |         |Q    V    |          |
13+40       5.1087      8.64  |          |      Q  |      V   |          |
13+45       5.1661      8.34  |          |     Q   |      V   |          |
13+50       5.2236      8.35  |          |     Q   |      V   |          |
13+55       5.2812      8.37  |          |     Q   |       V  |          |
14+ 0       5.3389      8.38  |          |     Q   |       V  |          |
14+ 5       5.4041      9.47  |          |       Q |       V  |          |
14+10       5.4742     10.17  |          |         Q        V|          |
14+15       5.5451     10.30  |          |         Q        V|          |
14+20       5.6143     10.04  |          |         Q        V|          |
14+25       5.6824      9.88  |          |        Q|         V          |
14+30       5.7503      9.87  |          |        Q|         V          |
14+35       5.8183      9.88  |          |        Q|         V          |
14+40       5.8865      9.89  |          |        Q|         |V         |
14+45       5.9547      9.90  |          |        Q|         |V         |
14+50       6.0211      9.65  |          |        Q|         |V         |
14+55       6.0864      9.48  |          |       Q |         | V        |
15+ 0       6.1516      9.47  |          |       Q |         | V        |
15+ 5       6.2150      9.21  |          |       Q |         | V        |
15+10       6.2774      9.05  |          |       Q |         |  V       |
15+15       6.3396      9.03  |          |       Q |         |  V       |
15+20       6.4000      8.77  |          |      Q  |         |  V       |
15+25       6.4593      8.61  |          |      Q  |         |   V      |
15+30       6.5185      8.60  |          |      Q  |         |   V      |
15+35       6.5706      7.56  |          |    Q    |         |   V      |
15+40       6.6181      6.89  |          |  Q      |         |    V     |
15+45       6.6648      6.78  |          |  Q      |         |    V     |
15+50       6.7115      6.78  |          |  Q      |         |    V     |
15+55       6.7582      6.78  |          |  Q      |         |    V     |
16+ 0       6.8049      6.78  |          |  Q      |         |     V    |
16+ 5       6.8306      3.73  |       Q  |         |         |     V    |
16+10       6.8427      1.75  |  Q       |         |         |     V    |
16+15       6.8525      1.43  | Q        |         |         |     V    |
16+20       6.8623      1.43  | Q        |         |         |     V    |
16+25       6.8722      1.43  | Q        |         |         |     V    |
16+30       6.8820      1.43  | Q        |         |         |     V    |
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16+35       6.8904      1.22  | Q       |         |         |     V   |
16+40       6.8979      1.09  | Q       |         |         |     V   |
16+45       6.9053      1.07  | Q       |         |         |     V   |
16+50       6.9127      1.07  | Q       |         |         |     V   |
16+55       6.9201      1.07  | Q       |         |         |     V   |
17+ 0       6.9274      1.07  | Q       |         |         |     V   |
17+ 5       6.9376      1.48  | Q       |         |         |     V   |
17+10       6.9496      1.74  |  Q      |         |         |     V   |
17+15       6.9619      1.78  |  Q      |         |         |     V   |
17+20       6.9742      1.78  |  Q      |         |         |      V  |
17+25       6.9865      1.78  |  Q      |         |         |      V  |
17+30       6.9988      1.78  |  Q      |         |         |      V  |
17+35       7.0111      1.78  |  Q      |         |         |      V  |
17+40       7.0234      1.78  |  Q      |         |         |      V  |
17+45       7.0357      1.78  |  Q      |         |         |      V  |
17+50       7.0466      1.58  |  Q      |         |         |      V  |
17+55       7.0565      1.45  | Q       |         |         |      V  |
18+ 0       7.0664      1.43  | Q       |         |         |      V  |
18+ 5       7.0762      1.43  | Q       |         |         |      V  |
18+10       7.0860      1.43  | Q       |         |         |      V  |
18+15       7.0959      1.43  | Q       |         |         |      V  |
18+20       7.1057      1.43  | Q       |         |         |      V  |
18+25       7.1156      1.43  | Q       |         |         |      V  |
18+30       7.1254      1.43  | Q       |         |         |      V  |
18+35       7.1338      1.22  | Q       |         |         |      V  |
18+40       7.1413      1.09  | Q       |         |         |      V  |
18+45       7.1487      1.07  | Q       |         |         |      V  |
18+50       7.1547      0.87  |Q        |         |         |      V  |
18+55       7.1598      0.74  |Q        |         |         |       V |
19+ 0       7.1647      0.71  |Q        |         |         |       V |
19+ 5       7.1710      0.92  |Q        |         |         |       V |
19+10       7.1782      1.05  | Q       |         |         |       V |
19+15       7.1856      1.07  | Q       |         |         |       V |
19+20       7.1944      1.27  | Q       |         |         |       V |
19+25       7.2041      1.41  | Q       |         |         |       V |
19+30       7.2139      1.43  | Q       |         |         |       V |
19+35       7.2223      1.22  | Q       |         |         |       V |
19+40       7.2298      1.09  | Q       |         |         |       V |
19+45       7.2372      1.07  | Q       |         |         |       V |
19+50       7.2432      0.87  |Q        |         |         |       V |
19+55       7.2483      0.74  |Q        |         |         |       V |
20+ 0       7.2532      0.71  |Q        |         |         |       V |
20+ 5       7.2595      0.92  |Q        |         |         |       V |
20+10       7.2667      1.05  | Q       |         |         |       V |
20+15       7.2741      1.07  | Q       |         |         |       V |
20+20       7.2815      1.07  | Q       |         |         |       V |
20+25       7.2889      1.07  | Q       |         |         |       V |
20+30       7.2962      1.07  | Q       |         |         |       V |
20+35       7.3036      1.07  | Q       |         |         |       V |
20+40       7.3110      1.07  | Q       |         |         |       V |
20+45       7.3184      1.07  | Q       |         |         |       V |
20+50       7.3243      0.87  |Q        |         |         |       V |
20+55       7.3294      0.74  |Q        |         |         |       V |
21+ 0       7.3343      0.71  |Q        |         |         |       V |
21+ 5       7.3406      0.92  |Q        |         |         |       V |
21+10       7.3479      1.05  | Q       |         |         |        V|
21+15       7.3552      1.07  | Q       |         |         |        V|
21+20       7.3612      0.87  |Q        |         |         |        V|
21+25       7.3663      0.74  |Q        |         |         |        V|
21+30       7.3712      0.71  |Q        |         |         |        V|
21+35       7.3775      0.92  |Q        |         |         |        V|
21+40       7.3847      1.05  | Q       |         |         |        V|
21+45       7.3921      1.07  | Q       |         |         |        V|
21+50       7.3981      0.87  |Q        |         |         |        V|
21+55       7.4032      0.74  |Q        |         |         |        V|
22+ 0       7.4081      0.71  |Q        |         |         |        V|
22+ 5       7.4144      0.92  |Q        |         |         |        V|
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   22+10       7.4216      1.05  | Q       |         |         |        V|
   22+15       7.4290      1.07  | Q       |         |         |        V|
   22+20       7.4350      0.87  |Q        |         |         |        V|
   22+25       7.4400      0.74  |Q        |         |         |        V|
   22+30       7.4449      0.71  |Q        |         |         |        V|
   22+35       7.4499      0.71  |Q        |         |         |        V|
   22+40       7.4548      0.71  |Q        |         |         |        V|
   22+45       7.4597      0.71  |Q        |         |         |        V|
   22+50       7.4646      0.71  |Q        |         |         |        V|
   22+55       7.4695      0.71  |Q        |         |         |        V|
   23+ 0       7.4744      0.71  |Q        |         |         |        V|
   23+ 5       7.4794      0.71  |Q        |         |         |        V|
   23+10       7.4843      0.71  |Q        |         |         |        V|
   23+15       7.4892      0.71  |Q        |         |         |        V|
   23+20       7.4941      0.71  |Q        |         |         |        V|
   23+25       7.4990      0.71  |Q        |         |         |        V|
   23+30       7.5040      0.71  |Q        |         |         |        V|
   23+35       7.5089      0.71  |Q        |         |         |        V|
   23+40       7.5138      0.71  |Q        |         |         |        V|
   23+45       7.5187      0.71  |Q        |         |         |        V|
   23+50       7.5236      0.71  |Q        |         |         |        V|
   23+55       7.5285      0.71  |Q        |         |         |        V|
   24+ 0       7.5335      0.71  |Q        |         |         |        V|
   24+ 5       7.5356      0.31  Q         |         |         |        V|
   24+10       7.5359      0.04  Q         |         |         |         V
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ROUTING

DEPTH vs OUTFLOW CALCULATIONS

OUTFLOW VS DEPTH CALCULATIONS

			HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	WEIR	
		No. of Holes →	**6**	**1**	0	0	**1**	0	0	0	0	**1**	No. of Weir
			HOLE C	**HOLE C**	HOLE C	HOLE C	**HOLE C**	HOLE C	HOLE C	HOLE C	HOLE C	WEIR	
		Discharge Coefficient →	**0.6**	**0.6**	0.6	0.6	**0.6**	0.6	0.6	0.6	0.6	**3.33**	Weir Coefficient
			HOLE FL	**HOLE FL**	HOLE FL	HOLE FL	**HOLE FL**	HOLE FL	HOLE FL	HOLE FL	HOLE FL	DIST TO WEIR	
Distance of Holes from Basin Bottom (in)		→	**2**	**18**	18	40	**58**	62	66	70	74	**96**	Distance of Top of Weir from Basin Bottom (in)
			HOLE R	**HOLE R**	HOLE R	HOLE R	**HOLE R**	HOLE R	HOLE R	HOLE R	HOLE R	WEIR LENGTH FT	
		Rect. Height (in) →	**1**	**1**	2	6	**4**	2	2	2	2	**20.000**	**Riser Pipe Perimeter (ft) =6'X'4 Riser Pipe- WEIR 1**
		Rect. Width (in) →	**2**	**2**	80	12	**6**	84	84	84	84		
			CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	WEIR ELEV	
		Hole Centerline Elev (ft) →	1205.2083	1206.542	1206.5833	1208.58333	1210	1210.25	1210.583	1210.9167	1211.25	**1213.0**	Top of Riser Elevation (ft)
ELEV	DEPTH	OUTFLOW											
1205.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1206.00	1	0.36	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1207.00	2	0.58	0.54	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1208.00	3	0.75	0.67	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1209.00	4	0.89	0.78	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1210.00	5	1.00	0.88	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1211.00	6	1.91	0.97	0.14	0.00	0.00	0.80	0.00	0.00	0.00	0.00	0.00	
1212.00	7	2.34	1.05	0.16	0.00	0.00	1.13	0.00	0.00	0.00	0.00	0.00	
1213.00	8	2.68	1.12	0.17	0.00	0.00	1.39	0.00	0.00	0.00	0.00	0.00	
1214.00	9	69.58	1.19	0.18	0.00	0.00	1.60	0.00	0.00	0.00	0.00	66.60	
1215.00	10	191.62	1.26	0.19	0.00	0.00	1.79	0.00	0.00	0.00	0.00	188.37	
		↑										↑	
		[Σ FLOWS (HOLES+RISER)]					(OUTFLOW THROUGH HOLES)					(FLOW OVER TOP OF WEIR 1)	

Note:

Orifice outflow is based on:

1. $Q=CA(2gH)^{0.5}$
   where:
   C = Coefficient, 0.6 used here
   A = Orifice Area
   H = Headwater

Weir flow is based on:

2. $Q=CLH^{1.5}$
   where:
   C = Coefficient, 3.33 used here
   L = Weir Length, Grate Perimeter was used here
   H = Headwater

RIO VISTA DEVELOPMENT, TR 37074
BASIN F
With 6@ 1"x2", 1@1"X2", 1@ 4"x6" Rectangular Orifice

STORAGE CAPACITY CALCULATION

Elevation (ft)	Contour Interval (ft)	Accumulate Depth (ft)	Area (sqft)	Area (acres)	Mean Area (acres)	Volume (ac-ft)	$Volume_{accumulat}$ (ac-ft)	$Volume_{accumulat}$ (cu-yd)	*Qout (cfs)
1205.00			13373	0.31			**0.0**	0.0	**0.00**
1206.00	1.00	**1.00**	15557	0.36	0.33	0.33	**0.33**	535.74	**0.36**
1207.00	1.00	**2.00**	17839	0.41	0.38	0.38	**0.72**	1154.19	**0.58**
1208.00	1.00	**3.00**	20218	0.46	0.44	0.44	**1.15**	1858.94	**0.75**
1209.00	1.00	**4.00**	22713	0.52	0.49	0.49	**1.65**	2653.96	**0.89**
1210.00	1.00	**5.00**	25302	0.58	0.55	0.55	**2.20**	3543.13	**1.00**
1211.00	1.00	**6.00**	28013	0.64	0.61	0.61	**2.81**	4530.44	**1.91**
1212.00	1.00	**7.00**	30880	0.71	0.68	0.68	**3.48**	5621.06	**2.34**
1213.00	1.00 Riser rim	**8.00**	33864	0.78	0.74	0.74	**4.23**	6820.02	**2.68**
1214.00	1.00	**9.00**	37160	0.85	0.82	0.82	**5.04**	8135.28	**69.58**
1215.00	**1.00 SPILLWAY CREST**	**10.00**	**40582**	**0.93**	**0.89**	**0.89**	**5.93**	**9574.94**	**191.62**

*** SEE RATING CURVE**

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRF242.rte

**********HYDROGRAPH DATA**********

Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 4.682 (CFS)
Total volume = 2.845 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN F- ROUTING
2YR-24HRS

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Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.330	0.360	0.329	0.331
2.000	0.720	0.580	0.718	0.722
3.000	1.150	0.750	1.147	1.153
4.000	1.650	0.880	1.647	1.653
5.000	2.200	1.000	2.197	2.203
6.000	2.810	1.910	2.803	2.817
7.000	3.480	2.340	3.472	3.488
8.000	4.230	2.680	4.221	4.239
9.000	5.040	69.580	4.800	5.280

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.2	2.34	3.51	4.68	Depth (Ft.)
0.083	0.16	0.00	0.001	OI	|	|	|	|	0.00

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0.167    0.26    0.00      0.002  OI      |       |       |       |     0.01
0.250    0.28    0.00      0.004  OI      |       |       |       |     0.01
0.333    0.35    0.01      0.006  O I     |       |       |       |     0.02
0.417    0.40    0.01      0.008  O I     |       |       |       |     0.03
0.500    0.41    0.01      0.011  O I     |       |       |       |     0.03
0.583    0.41    0.02      0.014  O I     |       |       |       |     0.04
0.667    0.41    0.02      0.017  O I     |       |       |       |     0.05
0.750    0.41    0.02      0.019  O I     |       |       |       |     0.06
0.833    0.49    0.02      0.022  O  I    |       |       |       |     0.07
0.917    0.54    0.03      0.026  O  I    |       |       |       |     0.08
1.000    0.55    0.03      0.029  O  I    |       |       |       |     0.09
1.083    0.47    0.04      0.033  O  I    |       |       |       |     0.10
1.167    0.42    0.04      0.035  O I     |       |       |       |     0.11
1.250    0.41    0.04      0.038  O I     |       |       |       |     0.12
1.333    0.41    0.04      0.041  O I     |       |       |       |     0.12
1.417    0.41    0.05      0.043  O I     |       |       |       |     0.13
1.500    0.41    0.05      0.046  O I     |       |       |       |     0.14
1.583    0.41    0.05      0.048  O I     |       |       |       |     0.15
1.667    0.41    0.06      0.051  O I     |       |       |       |     0.15
1.750    0.41    0.06      0.053  O I     |       |       |       |     0.16
1.833    0.49    0.06      0.056  O  I    |       |       |       |     0.17
1.917    0.54    0.06      0.059  O  I    |       |       |       |     0.18
2.000    0.55    0.07      0.062  O  I    |       |       |       |     0.19
2.083    0.55    0.07      0.065  O  I    |       |       |       |     0.20
2.167    0.55    0.08      0.069  O  I    |       |       |       |     0.21
2.250    0.55    0.08      0.072  O  I    |       |       |       |     0.22
2.333    0.55    0.08      0.075  O  I    |       |       |       |     0.23
2.417    0.55    0.09      0.078  O  I    |       |       |       |     0.24
2.500    0.55    0.09      0.082  O  I    |       |       |       |     0.25
2.583    0.63    0.09      0.085  O   I   |       |       |       |     0.26
2.667    0.68    0.10      0.089  O   I   |       |       |       |     0.27
2.750    0.69    0.10      0.093  O   I   |       |       |       |     0.28
2.833    0.69    0.11      0.097  O   I   |       |       |       |     0.29
2.917    0.69    0.11      0.101  O   I   |       |       |       |     0.31
3.000    0.69    0.11      0.105  O   I   |       |       |       |     0.32
3.083    0.69    0.12      0.109  O   I   |       |       |       |     0.33
3.167    0.69    0.12      0.113  O   I   |       |       |       |     0.34
3.250    0.69    0.13      0.117  O   I   |       |       |       |     0.35
3.333    0.69    0.13      0.121  O   I   |       |       |       |     0.37
3.417    0.69    0.14      0.124  O   I   |       |       |       |     0.38
3.500    0.69    0.14      0.128  O   I   |       |       |       |     0.39
3.583    0.69    0.14      0.132  O   I   |       |       |       |     0.40
3.667    0.69    0.15      0.136  |O  I   |       |       |       |     0.41
3.750    0.69    0.15      0.139  |O  I   |       |       |       |     0.42
3.833    0.77    0.16      0.143  |O   I  |       |       |       |     0.43
3.917    0.82    0.16      0.148  |O   I  |       |       |       |     0.45
4.000    0.83    0.17      0.152  |O   I  |       |       |       |     0.46
4.083    0.83    0.17      0.157  |O   I  |       |       |       |     0.48
4.167    0.83    0.18      0.161  |O   I  |       |       |       |     0.49
4.250    0.83    0.18      0.166  |O   I  |       |       |       |     0.50
4.333    0.90    0.19      0.170  |O    I |       |       |       |     0.52
4.417    0.96    0.19      0.176  |O    I |       |       |       |     0.53
4.500    0.96    0.20      0.181  |O    I |       |       |       |     0.55
4.583    0.96    0.20      0.186  |O    I |       |       |       |     0.56
4.667    0.96    0.21      0.191  |O    I |       |       |       |     0.58
4.750    0.96    0.21      0.196  |O    I |       |       |       |     0.60
4.833    1.04    0.22      0.202  |O     I|       |       |       |     0.61
4.917    1.09    0.23      0.208  |O     I|       |       |       |     0.63
5.000    1.10    0.23      0.214  |O     I|       |       |       |     0.65
5.083    0.94    0.24      0.219  |O    I |       |       |       |     0.66
5.167    0.84    0.24      0.224  |O   I  |       |       |       |     0.68
5.250    0.83    0.25      0.228  |O   I  |       |       |       |     0.69
5.333    0.90    0.25      0.232  |O    I |       |       |       |     0.70
5.417    0.96    0.26      0.237  |O    I |       |       |       |     0.72
5.500    0.96    0.26      0.241  |O    I |       |       |       |     0.73
5.583    1.04    0.27      0.246  |O     I|       |       |       |     0.75
5.667    1.09    0.27      0.252  |O     I|       |       |       |     0.76
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5.750	1.10	0.28	0.258	O	I				0.78
5.833	1.10	0.29	0.263	O	I				0.80
5.917	1.10	0.29	0.269	O	I				0.81
6.000	1.10	0.30	0.274	O	I				0.83
6.083	1.18	0.31	0.280	O	I				0.85
6.167	1.23	0.31	0.286	O	I				0.87
6.250	1.24	0.32	0.293	O	I				0.89
6.333	1.24	0.33	0.299	O	I				0.91
6.417	1.24	0.33	0.305	O	I				0.92
6.500	1.24	0.34	0.311	O	I				0.94
6.583	1.32	0.35	0.318	O	I				0.96
6.667	1.37	0.35	0.325	O	I				0.98
6.750	1.38	0.36	0.332	O	I				1.00
6.833	1.38	0.36	0.339	O	I				1.02
6.917	1.38	0.37	0.346	O	I				1.04
7.000	1.38	0.37	0.353	O	I				1.06
7.083	1.38	0.38	0.359	O	I				1.08
7.167	1.38	0.38	0.366	O	I				1.09
7.250	1.38	0.38	0.373	O	I				1.11
7.333	1.46	0.39	0.380	O	I				1.13
7.417	1.51	0.39	0.388	O	I				1.15
7.500	1.51	0.40	0.395	O	I				1.17
7.583	1.59	0.40	0.403	O	I				1.19
7.667	1.64	0.41	0.412	O	I				1.21
7.750	1.65	0.41	0.420	O	I				1.23
7.833	1.73	0.42	0.429	O	I				1.25
7.917	1.78	0.42	0.438	O	I				1.28
8.000	1.79	0.43	0.448	O	I				1.30
8.083	1.95	0.43	0.458	O	I				1.33
8.167	2.05	0.44	0.468	O	I				1.35
8.250	2.07	0.44	0.479	O	I				1.38
8.333	2.07	0.45	0.491	O	I				1.41
8.417	2.07	0.46	0.502	O	I				1.44
8.500	2.07	0.46	0.513	O	I				1.47
8.583	2.14	0.47	0.524	O	I				1.50
8.667	2.19	0.48	0.536	O	I				1.53
8.750	2.20	0.48	0.548	O	I				1.56
8.833	2.28	0.49	0.560	O	I				1.59
8.917	2.33	0.50	0.572	O	I				1.62
9.000	2.34	0.50	0.585	O	I				1.65
9.083	2.50	0.51	0.598	O	I				1.69
9.167	2.60	0.52	0.612	O	I				1.72
9.250	2.62	0.53	0.626	O	I				1.76
9.333	2.69	0.54	0.641	O	I				1.80
9.417	2.75	0.54	0.656	O	I				1.84
9.500	2.75	0.55	0.671	O	I				1.87
9.583	2.83	0.56	0.687	O	I				1.91
9.667	2.88	0.57	0.702	O	I				1.95
9.750	2.89	0.58	0.718	O	I				2.00
9.833	2.97	0.59	0.734	O	I				2.03
9.917	3.02	0.59	0.751	O	I				2.07
10.000	3.03	0.60	0.768	O	I				2.11
10.083	2.48	0.60	0.783	O	I				2.15
10.167	2.12	0.61	0.794	O	I				2.17
10.250	2.07	0.61	0.804	O	I				2.20
10.333	2.07	0.62	0.814	O	I				2.22
10.417	2.07	0.62	0.824	O	I				2.24
10.500	2.07	0.63	0.834	O	I				2.27
10.583	2.46	0.63	0.846	O	I				2.29
10.667	2.71	0.63	0.859	O	I				2.32
10.750	2.75	0.64	0.873	O	I				2.36
10.833	2.75	0.65	0.888	O	I				2.39
10.917	2.75	0.65	0.903	O	I				2.42
11.000	2.75	0.66	0.917	O	I				2.46
11.083	2.68	0.66	0.931	O	I				2.49
11.167	2.62	0.67	0.945	O	I				2.52
11.250	2.62	0.67	0.958	O	I				2.55

11.333	2.62	0.68	0.972	O	I				2.58
11.417	2.62	0.68	0.985	O	I				2.62
11.500	2.62	0.69	0.998	O	I				2.65
11.583	2.46	0.69	1.011	O	I				2.68
11.667	2.36	0.70	1.023	O	I				2.70
11.750	2.34	0.70	1.034	O	I				2.73
11.833	2.42	0.71	1.046	O	I				2.76
11.917	2.47	0.71	1.057	O	I				2.78
12.000	2.48	0.72	1.070	O	I				2.81
12.083	3.03	0.72	1.084	O	I				2.85
12.167	3.38	0.73	1.101	O	I				2.89
12.250	3.44	0.74	1.119	O	I				2.93
12.333	3.52	0.75	1.138	O	I				2.97
12.417	3.57	0.75	1.157	O	I				3.01
12.500	3.58	0.76	1.177	O	I				3.05
12.583	3.74	0.76	1.197	O	I				3.09
12.667	3.84	0.77	1.217	O	I				3.13
12.750	3.86	0.77	1.239	O	I				3.18
12.833	3.93	0.78	1.260	O	I				3.22
12.917	3.98	0.78	1.282	O	I				3.26
13.000	3.99	0.79	1.304	O	I				3.31
13.083	4.39	0.80	1.327	O	I				3.35
13.167	4.64	0.80	1.353	O	I				3.41
13.250	4.68	0.81	1.380	O	I				3.46
13.333	4.68	0.82	1.406	O	I				3.51
13.417	4.68	0.82	1.433	O	I				3.57
13.500	4.68	0.83	1.459	O	I				3.62
13.583	3.82	0.84	1.483	O	I				3.67
13.667	3.26	0.84	1.501	O	I				3.70
13.750	3.17	0.85	1.518	O	I				3.74
13.833	3.17	0.85	1.534	O	I				3.77
13.917	3.17	0.85	1.550	O	I				3.80
14.000	3.17	0.86	1.566	O	I				3.83
14.083	3.48	0.86	1.583	O	I				3.87
14.167	3.68	0.87	1.601	O	I				3.90
14.250	3.72	0.87	1.621	O	I				3.94
14.333	3.64	0.88	1.640	O	I				3.98
14.417	3.59	0.88	1.659	O	I				4.02
14.500	3.58	0.89	1.678	O	I				4.05
14.583	3.58	0.89	1.696	O	I				4.08
14.667	3.58	0.89	1.715	O	I				4.12
14.750	3.58	0.90	1.733	O	I				4.15
14.833	3.50	0.90	1.751	O	I				4.18
14.917	3.45	0.91	1.769	O	I				4.22
15.000	3.44	0.91	1.786	O	I				4.25
15.083	3.36	0.91	1.804	O	I				4.28
15.167	3.31	0.92	1.820	O	I				4.31
15.250	3.30	0.92	1.837	O	I				4.34
15.333	3.23	0.92	1.853	O	I				4.37
15.417	3.18	0.93	1.869	O	I				4.40
15.500	3.17	0.93	1.884	O	I				4.43
15.583	2.85	0.93	1.898	O	I				4.45
15.667	2.65	0.94	1.911	O	I				4.47
15.750	2.62	0.94	1.922	O	I				4.50
15.833	2.62	0.94	1.934	O	I				4.52
15.917	2.62	0.94	1.946	O	I				4.54
16.000	2.62	0.95	1.957	O	I				4.56
16.083	1.44	**0.95**	**1.964**	**O**	**I**				**4.57**
16.167	0.68	0.95	1.965	I O					4.57
16.250	0.55	0.95	1.963	I O					4.57
16.333	0.55	0.95	1.960	I O					4.56
16.417	0.55	0.95	1.957	I O					4.56
16.500	0.55	0.95	1.955	I O					4.55
16.583	0.47	0.95	1.952	I O					4.55
16.667	0.42	0.95	1.948	I O					4.54
16.750	0.41	0.94	1.945	I O					4.54
16.833	0.41	0.94	1.941	I O					4.53

16.917	0.41	0.94	1.937	I O				4.52
17.000	0.41	0.94	1.934	I O				4.52
17.083	0.57	0.94	1.931	I O				4.51
17.167	0.67	0.94	1.928	I O				4.51
17.250	0.69	0.94	1.927	I O				4.50
17.333	0.69	0.94	1.925	I O				4.50
17.417	0.69	0.94	1.923	I O				4.50
17.500	0.69	0.94	1.921	I O				4.49
17.583	0.69	0.94	1.920	I O				4.49
17.667	0.69	0.94	1.918	I O				4.49
17.750	0.69	0.94	1.916	I O				4.48
17.833	0.61	0.94	1.914	I O				4.48
17.917	0.56	0.94	1.912	I O				4.48
18.000	0.55	0.94	1.909	I O				4.47
18.083	0.55	0.94	1.907	I O				4.47
18.167	0.55	0.94	1.904	I O				4.46
18.250	0.55	0.93	1.901	I O				4.46
18.333	0.55	0.93	1.899	I O				4.45
18.417	0.55	0.93	1.896	I O				4.45
18.500	0.55	0.93	1.893	I O				4.44
18.583	0.47	0.93	1.890	I O				4.44
18.667	0.42	0.93	1.887	I O				4.43
18.750	0.41	0.93	1.884	I O				4.42
18.833	0.33	0.93	1.880	I O				4.42
18.917	0.28	0.93	1.875	I O				4.41
19.000	0.28	0.93	1.871	I O				4.40
19.083	0.35	0.93	1.867	I O				4.39
19.167	0.40	0.93	1.863	I O				4.39
19.250	0.41	0.93	1.859	I O				4.38
19.333	0.49	0.92	1.856	I O				4.37
19.417	0.54	0.92	1.853	I O				4.37
19.500	0.55	0.92	1.851	I O				4.36
19.583	0.47	0.92	1.848	I O				4.36
19.667	0.42	0.92	1.845	I O				4.35
19.750	0.41	0.92	1.841	I O				4.35
19.833	0.33	0.92	1.837	I O				4.34
19.917	0.28	0.92	1.833	I O				4.33
20.000	0.28	0.92	1.829	I O				4.33
20.083	0.35	0.92	1.825	I O				4.32
20.167	0.40	0.92	1.821	I O				4.31
20.250	0.41	0.92	1.817	I O				4.30
20.333	0.41	0.92	1.814	I O				4.30
20.417	0.41	0.92	1.810	I O				4.29
20.500	0.41	0.91	1.807	I O				4.29
20.583	0.41	0.91	1.804	I O				4.28
20.667	0.41	0.91	1.800	I O				4.27
20.750	0.41	0.91	1.797	I O				4.27
20.833	0.33	0.91	1.793	I O				4.26
20.917	0.28	0.91	1.789	I O				4.25
21.000	0.28	0.91	1.784	I O				4.24
21.083	0.35	0.91	1.780	I O				4.24
21.167	0.40	0.91	1.777	I O				4.23
21.250	0.41	0.91	1.773	I O				4.22
21.333	0.33	0.91	1.770	I O				4.22
21.417	0.28	0.91	1.766	I O				4.21
21.500	0.28	0.90	1.761	I O				4.20
21.583	0.35	0.90	1.757	I O				4.19
21.667	0.40	0.90	1.754	I O				4.19
21.750	0.41	0.90	1.750	I O				4.18
21.833	0.33	0.90	1.747	I O				4.18
21.917	0.28	0.90	1.742	I O				4.17
22.000	0.28	0.90	1.738	I O				4.16
22.083	0.35	0.90	1.734	I O				4.15
22.167	0.40	0.90	1.731	I O				4.15
22.250	0.41	0.90	1.727	I O				4.14
22.333	0.33	0.90	1.724	I O				4.13
22.417	0.28	0.90	1.720	I O				4.13

22.500	0.28	0.89	1.715	I	O			4.12
22.583	0.28	0.89	1.711	I	O			4.11
22.667	0.28	0.89	1.707	I	O			4.10
22.750	0.28	0.89	1.703	I	O			4.10
22.833	0.28	0.89	1.698	I	O			4.09
22.917	0.28	0.89	1.694	I	O			4.08
23.000	0.28	0.89	1.690	I	O			4.07
23.083	0.28	0.89	1.686	I	O			4.06
23.167	0.28	0.89	1.681	I	O			4.06
23.250	0.28	0.89	1.677	I	O			4.05
23.333	0.28	0.89	1.673	I	O			4.04
23.417	0.28	0.88	1.669	I	O			4.03
23.500	0.28	0.88	1.665	I	O			4.03
23.583	0.28	0.88	1.661	I	O			4.02
23.667	0.28	0.88	1.656	I	O			4.01
23.750	0.28	0.88	1.652	I	O			4.00
23.833	0.28	0.88	1.648	I	O			4.00
23.917	0.28	0.88	1.644	I	O			3.99
24.000	0.28	0.88	1.640	I	O			3.98
24.083	0.12	0.88	1.635	I	O			3.97
24.167	0.02	0.87	1.629	I	O			3.96
24.250	0.00	0.87	1.623	I	O			3.95
24.333	0.00	0.87	1.617	I	O			3.93
24.417	0.00	0.87	1.611	I	O			3.92
24.500	0.00	0.87	1.605	I	O			3.91
24.583	0.00	0.87	1.600	I	O			3.90
24.667	0.00	0.87	1.594	I	O			3.89
24.750	0.00	0.86	1.588	I	O			3.88
24.833	0.00	0.86	1.582	I	O			3.86
24.917	0.00	0.86	1.576	I	O			3.85
25.000	0.00	0.86	1.570	I	O			3.84
25.083	0.00	0.86	1.564	I	O			3.83
25.167	0.00	0.86	1.558	I	O			3.82
25.250	0.00	0.85	1.552	I	O			3.80
25.333	0.00	0.85	1.546	I	O			3.79
25.417	0.00	0.85	1.540	I	O			3.78
25.500	0.00	0.85	1.534	I	O			3.77
25.583	0.00	0.85	1.529	I	O			3.76
25.667	0.00	0.85	1.523	I	O			3.75
25.750	0.00	0.85	1.517	I	O			3.73
25.833	0.00	0.84	1.511	I	O			3.72
25.917	0.00	0.84	1.505	I	O			3.71
26.000	0.00	0.84	1.500	I	O			3.70
26.083	0.00	0.84	1.494	I	O			3.69
26.167	0.00	0.84	1.488	I	O			3.68
26.250	0.00	0.84	1.482	I	O			3.66
26.333	0.00	0.83	1.476	I	O			3.65
26.417	0.00	0.83	1.471	I	O			3.64
26.500	0.00	0.83	1.465	I	O			3.63
26.583	0.00	0.83	1.459	I	O			3.62
26.667	0.00	0.83	1.454	I	O			3.61
26.750	0.00	0.83	1.448	I	O			3.60
26.833	0.00	0.83	1.442	I	O			3.58
26.917	0.00	0.82	1.436	I	O			3.57
27.000	0.00	0.82	1.431	I	O			3.56
27.083	0.00	0.82	1.425	I	O			3.55
27.167	0.00	0.82	1.419	I	O			3.54
27.250	0.00	0.82	1.414	I	O			3.53
27.333	0.00	0.82	1.408	I	O			3.52
27.417	0.00	0.82	1.403	I	O			3.51
27.500	0.00	0.81	1.397	I	O			3.49
27.583	0.00	0.81	1.391	I	O			3.48
27.667	0.00	0.81	1.386	I	O			3.47
27.750	0.00	0.81	1.380	I	O			3.46
27.833	0.00	0.81	1.375	I	O			3.45
27.917	0.00	0.81	1.369	I	O			3.44
28.000	0.00	0.81	1.364	I	O			3.43

28.083	0.00	0.80	1.358	I	O	|	|	|	|	3.42
28.167	0.00	0.80	1.352	I	O	|	|	|	|	3.40
28.250	0.00	0.80	1.347	I	O	|	|	|	|	3.39
28.333	0.00	0.80	1.341	I	O	|	|	|	|	3.38
28.417	0.00	0.80	1.336	I	O	|	|	|	|	3.37
28.500	0.00	0.80	1.330	I	O	|	|	|	|	3.36
28.583	0.00	0.80	1.325	I	O	|	|	|	|	3.35
28.667	0.00	0.79	1.319	I	O	|	|	|	|	3.34
28.750	0.00	0.79	1.314	I	O	|	|	|	|	3.33
28.833	0.00	0.79	1.309	I	O	|	|	|	|	3.32
28.917	0.00	0.79	1.303	I	O	|	|	|	|	3.31
29.000	0.00	0.79	1.298	I	O	|	|	|	|	3.30
29.083	0.00	0.79	1.292	I	O	|	|	|	|	3.28
29.167	0.00	0.79	1.287	I	O	|	|	|	|	3.27
29.250	0.00	0.78	1.281	I	O	|	|	|	|	3.26
29.333	0.00	0.78	1.276	I	O	|	|	|	|	3.25
29.417	0.00	0.78	1.271	I	O	|	|	|	|	3.24
29.500	0.00	0.78	1.265	I	O	|	|	|	|	3.23
29.583	0.00	0.78	1.260	I	O	|	|	|	|	3.22
29.667	0.00	0.78	1.255	I	O	|	|	|	|	3.21
29.750	0.00	0.78	1.249	I	O	|	|	|	|	3.20
29.833	0.00	0.77	1.244	I	O	|	|	|	|	3.19
29.917	0.00	0.77	1.239	I	O	|	|	|	|	3.18
30.000	0.00	0.77	1.233	I	O	|	|	|	|	3.17
30.083	0.00	0.77	1.228	I	O	|	|	|	|	3.16
30.167	0.00	0.77	1.223	I	O	|	|	|	|	3.15
30.250	0.00	0.77	1.217	I	O	|	|	|	|	3.13
30.333	0.00	0.77	1.212	I	O	|	|	|	|	3.12
30.417	0.00	0.76	1.207	I	O	|	|	|	|	3.11
30.500	0.00	0.76	1.201	I	O	|	|	|	|	3.10
30.583	0.00	0.76	1.196	I	O	|	|	|	|	3.09
30.667	0.00	0.76	1.191	I	O	|	|	|	|	3.08
30.750	0.00	0.76	1.186	I	O	|	|	|	|	3.07
30.833	0.00	0.76	1.181	I	O	|	|	|	|	3.06
30.917	0.00	0.76	1.175	I	O	|	|	|	|	3.05
31.000	0.00	0.76	1.170	I	O	|	|	|	|	3.04
31.083	0.00	0.75	1.165	I	O	|	|	|	|	3.03
31.167	0.00	0.75	1.160	I	O	|	|	|	|	3.02
31.250	0.00	0.75	1.155	I	O	|	|	|	|	3.01
31.333	0.00	0.75	1.149	I	O	|	|	|	|	3.00
31.417	0.00	0.75	1.144	I	O	|	|	|	|	2.99
31.500	0.00	0.75	1.139	I	O	|	|	|	|	2.97
31.583	0.00	0.74	1.134	I	O	|	|	|	|	2.96
31.667	0.00	0.74	1.129	I	O	|	|	|	|	2.95
31.750	0.00	0.74	1.124	I	O	|	|	|	|	2.94
31.833	0.00	0.74	1.119	I	O	|	|	|	|	2.93
31.917	0.00	0.74	1.114	I	O	|	|	|	|	2.92
32.000	0.00	0.73	1.108	I	O	|	|	|	|	2.90
32.083	0.00	0.73	1.103	I	O	|	|	|	|	2.89
32.167	0.00	0.73	1.098	I	O	|	|	|	|	2.88
32.250	0.00	0.73	1.093	I	O	|	|	|	|	2.87
32.333	0.00	0.73	1.088	I	O	|	|	|	|	2.86
32.417	0.00	0.72	1.083	I	O	|	|	|	|	2.85
32.500	0.00	0.72	1.078	I	O	|	|	|	|	2.83
32.583	0.00	0.72	1.073	I	O	|	|	|	|	2.82
32.667	0.00	0.72	1.069	I	O	|	|	|	|	2.81
32.750	0.00	0.72	1.064	I	O	|	|	|	|	2.80
32.833	0.00	0.71	1.059	I	O	|	|	|	|	2.79
32.917	0.00	0.71	1.054	I	O	|	|	|	|	2.78
33.000	0.00	0.71	1.049	I	O	|	|	|	|	2.76
33.083	0.00	0.71	1.044	I	O	|	|	|	|	2.75
33.167	0.00	0.71	1.039	I	O	|	|	|	|	2.74
33.250	0.00	0.70	1.034	I	O	|	|	|	|	2.73
33.333	0.00	0.70	1.029	I	O	|	|	|	|	2.72
33.417	0.00	0.70	1.025	I	O	|	|	|	|	2.71
33.500	0.00	0.70	1.020	I	O	|	|	|	|	2.70
33.583	0.00	0.70	1.015	I	O	|	|	|	|	2.69

33.667	0.00	0.69	1.010	I	O	|	|	|	|	2.67
33.750	0.00	0.69	1.005	I	O	|	|	|	|	2.66
33.833	0.00	0.69	1.001	I	O	|	|	|	|	2.65
33.917	0.00	0.69	0.996	I	O	|	|	|	|	2.64
34.000	0.00	0.69	0.991	I	O	|	|	|	|	2.63
34.083	0.00	0.69	0.986	I	O	|	|	|	|	2.62
34.167	0.00	0.68	0.982	I	O	|	|	|	|	2.61
34.250	0.00	0.68	0.977	I	O	|	|	|	|	2.60
34.333	0.00	0.68	0.972	I	O	|	|	|	|	2.59
34.417	0.00	0.68	0.968	I	O	|	|	|	|	2.58
34.500	0.00	0.68	0.963	I	O	|	|	|	|	2.57
34.583	0.00	0.67	0.958	I	O	|	|	|	|	2.55
34.667	0.00	0.67	0.954	I	O	|	|	|	|	2.54
34.750	0.00	0.67	0.949	I	O	|	|	|	|	2.53
34.833	0.00	0.67	0.944	I	O	|	|	|	|	2.52
34.917	0.00	0.67	0.940	I	O	|	|	|	|	2.51
35.000	0.00	0.67	0.935	I	O	|	|	|	|	2.50
35.083	0.00	0.66	0.931	I	O	|	|	|	|	2.49
35.167	0.00	0.66	0.926	I	O	|	|	|	|	2.48
35.250	0.00	0.66	0.922	I	O	|	|	|	|	2.47
35.333	0.00	0.66	0.917	I	O	|	|	|	|	2.46
35.417	0.00	0.66	0.912	I	O	|	|	|	|	2.45
35.500	0.00	0.65	0.908	I	O	|	|	|	|	2.44
35.583	0.00	0.65	0.903	I	O	|	|	|	|	2.43
35.667	0.00	0.65	0.899	I	O	|	|	|	|	2.42
35.750	0.00	0.65	0.895	I	O	|	|	|	|	2.41
35.833	0.00	0.65	0.890	I	O	|	|	|	|	2.40
35.917	0.00	0.65	0.886	I	O	|	|	|	|	2.39
36.000	0.00	0.64	0.881	I	O	|	|	|	|	2.37
36.083	0.00	0.64	0.877	I	O	|	|	|	|	2.36
36.167	0.00	0.64	0.872	I	O	|	|	|	|	2.35
36.250	0.00	0.64	0.868	I	O	|	|	|	|	2.34
36.333	0.00	0.64	0.864	I	O	|	|	|	|	2.33
36.417	0.00	0.64	0.859	I	O	|	|	|	|	2.32
36.500	0.00	0.63	0.855	I	O	|	|	|	|	2.31
36.583	0.00	0.63	0.850	I	O	|	|	|	|	2.30
36.667	0.00	0.63	0.846	I	O	|	|	|	|	2.29
36.750	0.00	0.63	0.842	I	O	|	|	|	|	2.28
36.833	0.00	0.63	0.837	I	O	|	|	|	|	2.27
36.917	0.00	0.62	0.833	I	O	|	|	|	|	2.26
37.000	0.00	0.62	0.829	I	O	|	|	|	|	2.25
37.083	0.00	0.62	0.825	I	O	|	|	|	|	2.24
37.167	0.00	0.62	0.820	I	O	|	|	|	|	2.23
37.250	0.00	0.62	0.816	I	O	|	|	|	|	2.22
37.333	0.00	0.62	0.812	I	O	|	|	|	|	2.21
37.417	0.00	0.61	0.808	I	O	|	|	|	|	2.20
37.500	0.00	0.61	0.803	I	O	|	|	|	|	2.19
37.583	0.00	0.61	0.799	I	O	|	|	|	|	2.18
37.667	0.00	0.61	0.795	I	O	|	|	|	|	2.17
37.750	0.00	0.61	0.791	I	O	|	|	|	|	2.16
37.833	0.00	0.61	0.786	I	O	|	|	|	|	2.15
37.917	0.00	0.60	0.782	I	O	|	|	|	|	2.14
38.000	0.00	0.60	0.778	I	O	|	|	|	|	2.14
38.083	0.00	0.60	0.774	I	O	|	|	|	|	2.13
38.167	0.00	0.60	0.770	I	O	|	|	|	|	2.12
38.250	0.00	0.60	0.766	I	O	|	|	|	|	2.11
38.333	0.00	0.60	0.762	I	O	|	|	|	|	2.10
38.417	0.00	0.59	0.758	I	O	|	|	|	|	2.09
38.500	0.00	0.59	0.753	I	O	|	|	|	|	2.08
38.583	0.00	0.59	0.749	I	O	|	|	|	|	2.07
38.667	0.00	0.59	0.745	I	O	|	|	|	|	2.06
38.750	0.00	0.59	0.741	I	O	|	|	|	|	2.05
38.833	0.00	0.59	0.737	I	O	|	|	|	|	2.04
38.917	0.00	0.59	0.733	I	O	|	|	|	|	2.03
39.000	0.00	0.58	0.729	I	O	|	|	|	|	2.02
39.083	0.00	0.58	0.725	I	O	|	|	|	|	2.01
39.167	0.00	0.58	0.721	I	O	|	|	|	|	2.00

39.250	0.00	0.58	0.717	I	O	|	|	|	|	1.99
39.333	0.00	0.58	0.713	I	O	|	|	|	|	1.98
39.417	0.00	0.57	0.709	I	O	|	|	|	|	1.97
39.500	0.00	0.57	0.705	I	O	|	|	|	|	1.96
39.583	0.00	0.57	0.701	I	O	|	|	|	|	1.95
39.667	0.00	0.57	0.697	I	O	|	|	|	|	1.94
39.750	0.00	0.57	0.694	I	O	|	|	|	|	1.93
39.833	0.00	0.56	0.690	I	O	|	|	|	|	1.92
39.917	0.00	0.56	0.686	I	O	|	|	|	|	1.91
40.000	0.00	0.56	0.682	I	O	|	|	|	|	1.90
40.083	0.00	0.56	0.678	I	O	|	|	|	|	1.89
40.167	0.00	0.55	0.674	I	O	|	|	|	|	1.88
40.250	0.00	0.55	0.670	I	O	|	|	|	|	1.87
40.333	0.00	0.55	0.667	I	O	|	|	|	|	1.86
40.417	0.00	0.55	0.663	I	O	|	|	|	|	1.85
40.500	0.00	0.55	0.659	I	O	|	|	|	|	1.84
40.583	0.00	0.54	0.655	I	O	|	|	|	|	1.83
40.667	0.00	0.54	0.652	I	O	|	|	|	|	1.82
40.750	0.00	0.54	0.648	I	O	|	|	|	|	1.82
40.833	0.00	0.54	0.644	I	O	|	|	|	|	1.81
40.917	0.00	0.54	0.640	I	O	|	|	|	|	1.80
41.000	0.00	0.53	0.637	I	O	|	|	|	|	1.79
41.083	0.00	0.53	0.633	I	O	|	|	|	|	1.78
41.167	0.00	0.53	0.629	I	O	|	|	|	|	1.77
41.250	0.00	0.53	0.626	I	O	|	|	|	|	1.76
41.333	0.00	0.52	0.622	I	O	|	|	|	|	1.75
41.417	0.00	0.52	0.619	I	O	|	|	|	|	1.74
41.500	0.00	0.52	0.615	I	O	|	|	|	|	1.73
41.583	0.00	0.52	0.611	I	O	|	|	|	|	1.72
41.667	0.00	0.52	0.608	I	O	|	|	|	|	1.71
41.750	0.00	0.51	0.604	I	O	|	|	|	|	1.70
41.833	0.00	0.51	0.601	I	O	|	|	|	|	1.69
41.917	0.00	0.51	0.597	I	O	|	|	|	|	1.69
42.000	0.00	0.51	0.594	I	O	|	|	|	|	1.68
42.083	0.00	0.51	0.590	I	O	|	|	|	|	1.67
42.167	0.00	0.50	0.587	I	O	|	|	|	|	1.66
42.250	0.00	0.50	0.583	I	O	|	|	|	|	1.65
42.333	0.00	0.50	0.580	I	O	|	|	|	|	1.64
42.417	0.00	0.50	0.576	I	O	|	|	|	|	1.63
42.500	0.00	0.50	0.573	I	O	|	|	|	|	1.62
42.583	0.00	0.50	0.570	I	O	|	|	|	|	1.61
42.667	0.00	0.49	0.566	I	O	|	|	|	|	1.61
42.750	0.00	0.49	0.563	I	O	|	|	|	|	1.60
42.833	0.00	0.49	0.559	I	O	|	|	|	|	1.59
42.917	0.00	0.49	0.556	I	O	|	|	|	|	1.58
43.000	0.00	0.49	0.553	I	O	|	|	|	|	1.57
43.083	0.00	0.48	0.549	I	O	|	|	|	|	1.56
43.167	0.00	0.48	0.546	I	O	|	|	|	|	1.55
43.250	0.00	0.48	0.543	I	O	|	|	|	|	1.55
43.333	0.00	0.48	0.539	I	O	|	|	|	|	1.54
43.417	0.00	0.48	0.536	I	O	|	|	|	|	1.53
43.500	0.00	0.47	0.533	I	O	|	|	|	|	1.52
43.583	0.00	0.47	0.530	I	O	|	|	|	|	1.51
43.667	0.00	0.47	0.526	I	O	|	|	|	|	1.50
43.750	0.00	0.47	0.523	I	O	|	|	|	|	1.50
43.833	0.00	0.47	0.520	I	O	|	|	|	|	1.49
43.917	0.00	0.47	0.517	I	O	|	|	|	|	1.48
44.000	0.00	0.46	0.513	I	O	|	|	|	|	1.47
44.083	0.00	0.46	0.510	I	O	|	|	|	|	1.46
44.167	0.00	0.46	0.507	I	O	|	|	|	|	1.45
44.250	0.00	0.46	0.504	I	O	|	|	|	|	1.45
44.333	0.00	0.46	0.501	I	O	|	|	|	|	1.44
44.417	0.00	0.45	0.498	I	O	|	|	|	|	1.43
44.500	0.00	0.45	0.495	I	O	|	|	|	|	1.42
44.583	0.00	0.45	0.491	I	O	|	|	|	|	1.41
44.667	0.00	0.45	0.488	I	O	|	|	|	|	1.41
44.750	0.00	0.45	0.485	I	O	|	|	|	|	1.40

44.833	0.00	0.45	0.482	I O	|	|	|	1.39
44.917	0.00	0.44	0.479	I O	|	|	|	1.38
45.000	0.00	0.44	0.476	I O	|	|	|	1.37
45.083	0.00	0.44	0.473	I O	|	|	|	1.37
45.167	0.00	0.44	0.470	I O	|	|	|	1.36
45.250	0.00	0.44	0.467	I O	|	|	|	1.35
45.333	0.00	0.44	0.464	I O	|	|	|	1.34
45.417	0.00	0.43	0.461	I O	|	|	|	1.34
45.500	0.00	0.43	0.458	I O	|	|	|	1.33
45.583	0.00	0.43	0.455	I O	|	|	|	1.32
45.667	0.00	0.43	0.452	I O	|	|	|	1.31
45.750	0.00	0.43	0.449	I O	|	|	|	1.31
45.833	0.00	0.43	0.446	I O	|	|	|	1.30
45.917	0.00	0.42	0.443	I O	|	|	|	1.29
46.000	0.00	0.42	0.440	I O	|	|	|	1.28
46.083	0.00	0.42	0.437	I O	|	|	|	1.28
46.167	0.00	0.42	0.435	I O	|	|	|	1.27
46.250	0.00	0.42	0.432	I O	|	|	|	1.26
46.333	0.00	0.42	0.429	I O	|	|	|	1.25
46.417	0.00	0.41	0.426	I O	|	|	|	1.25
46.500	0.00	0.41	0.423	I O	|	|	|	1.24
46.583	0.00	0.41	0.420	I O	|	|	|	1.23
46.667	0.00	0.41	0.417	I O	|	|	|	1.22
46.750	0.00	0.41	0.415	I O	|	|	|	1.22
46.833	0.00	0.41	0.412	I O	|	|	|	1.21
46.917	0.00	0.40	0.409	I O	|	|	|	1.20
47.000	0.00	0.40	0.406	I O	|	|	|	1.20
47.083	0.00	0.40	0.403	I O	|	|	|	1.19
47.167	0.00	0.40	0.401	I O	|	|	|	1.18
47.250	0.00	0.40	0.398	I O	|	|	|	1.17
47.333	0.00	0.40	0.395	I O	|	|	|	1.17
47.417	0.00	0.40	0.392	I O	|	|	|	1.16
47.500	0.00	0.39	0.390	I O	|	|	|	1.15
47.583	0.00	0.39	0.387	I O	|	|	|	1.15
47.667	0.00	0.39	0.384	I O	|	|	|	1.14
47.750	0.00	0.39	0.382	I O	|	|	|	1.13
47.833	0.00	0.39	0.379	I O	|	|	|	1.13
47.917	0.00	0.39	0.376	I O	|	|	|	1.12
48.000	0.00	0.38	0.374	I O	|	|	|	1.11
48.083	0.00	0.38	0.371	I O	|	|	|	1.11
48.167	0.00	0.38	0.368	I O	|	|	|	1.10
48.250	0.00	0.38	0.366	I O	|	|	|	1.09
48.333	0.00	0.38	0.363	I O	|	|	|	1.09
48.417	0.00	0.38	0.361	I O	|	|	|	1.08
48.500	0.00	0.38	0.358	I O	|	|	|	1.07
48.583	0.00	0.37	0.355	I O	|	|	|	1.07
48.667	0.00	0.37	0.353	I O	|	|	|	1.06
48.750	0.00	0.37	0.350	I O	|	|	|	1.05
48.833	0.00	0.37	0.348	I O	|	|	|	1.05
48.917	0.00	0.37	0.345	I O	|	|	|	1.04
49.000	0.00	0.37	0.343	I O	|	|	|	1.03
49.083	0.00	0.37	0.340	I O	|	|	|	1.03
49.167	0.00	0.36	0.338	I O	|	|	|	1.02
49.250	0.00	0.36	0.335	I O	|	|	|	1.01
49.333	0.00	0.36	0.333	I O	|	|	|	1.01
49.417	0.00	0.36	0.330	I O	|	|	|	1.00
49.500	0.00	0.36	0.328	I O	|	|	|	0.99
49.583	0.00	0.35	0.325	I O	|	|	|	0.99
49.667	0.00	0.35	0.323	I O	|	|	|	0.98
49.750	0.00	0.35	0.320	I O	|	|	|	0.97
49.833	0.00	0.35	0.318	I O	|	|	|	0.96
49.917	0.00	0.34	0.316	I O	|	|	|	0.96
50.000	0.00	0.34	0.313	I O	|	|	|	0.95
50.083	0.00	0.34	0.311	I O	|	|	|	0.94
50.167	0.00	0.34	0.309	I O	|	|	|	0.93
50.250	0.00	0.33	0.306	I O	|	|	|	0.93
50.333	0.00	0.33	0.304	I O	|	|	|	0.92

50.417	0.00	0.33	0.302	I O	|	|	|	0.91
50.500	0.00	0.33	0.299	I O	|	|	|	0.91
50.583	0.00	0.32	0.297	I O	|	|	|	0.90
50.667	0.00	0.32	0.295	I O	|	|	|	0.89
50.750	0.00	0.32	0.293	I O	|	|	|	0.89
50.833	0.00	0.32	0.291	I O	|	|	|	0.88
50.917	0.00	0.31	0.288	I O	|	|	|	0.87
51.000	0.00	0.31	0.286	I O	|	|	|	0.87
51.083	0.00	0.31	0.284	I O	|	|	|	0.86
51.167	0.00	0.31	0.282	I O	|	|	|	0.85
51.250	0.00	0.31	0.280	I O	|	|	|	0.85
51.333	0.00	0.30	0.278	I O	|	|	|	0.84
51.417	0.00	0.30	0.276	I O	|	|	|	0.84
51.500	0.00	0.30	0.274	I O	|	|	|	0.83
51.583	0.00	0.30	0.272	I O	|	|	|	0.82
51.667	0.00	0.29	0.269	I O	|	|	|	0.82
51.750	0.00	0.29	0.267	IO	|	|	|	0.81
51.833	0.00	0.29	0.265	IO	|	|	|	0.80
51.917	0.00	0.29	0.263	IO	|	|	|	0.80
52.000	0.00	0.29	0.262	IO	|	|	|	0.79
52.083	0.00	0.28	0.260	IO	|	|	|	0.79
52.167	0.00	0.28	0.258	IO	|	|	|	0.78
52.250	0.00	0.28	0.256	IO	|	|	|	0.77
52.333	0.00	0.28	0.254	IO	|	|	|	0.77
52.417	0.00	0.27	0.252	IO	|	|	|	0.76
52.500	0.00	0.27	0.250	IO	|	|	|	0.76
52.583	0.00	0.27	0.248	IO	|	|	|	0.75
52.667	0.00	0.27	0.246	IO	|	|	|	0.75
52.750	0.00	0.27	0.244	IO	|	|	|	0.74
52.833	0.00	0.26	0.243	IO	|	|	|	0.74
52.917	0.00	0.26	0.241	IO	|	|	|	0.73
53.000	0.00	0.26	0.239	IO	|	|	|	0.72
53.083	0.00	0.26	0.237	IO	|	|	|	0.72
53.167	0.00	0.26	0.235	IO	|	|	|	0.71
53.250	0.00	0.25	0.234	IO	|	|	|	0.71
53.333	0.00	0.25	0.232	IO	|	|	|	0.70
53.417	0.00	0.25	0.230	IO	|	|	|	0.70
53.500	0.00	0.25	0.228	IO	|	|	|	0.69
53.583	0.00	0.25	0.227	IO	|	|	|	0.69
53.667	0.00	0.25	0.225	IO	|	|	|	0.68
53.750	0.00	0.24	0.223	IO	|	|	|	0.68
53.833	0.00	0.24	0.222	IO	|	|	|	0.67
53.917	0.00	0.24	0.220	IO	|	|	|	0.67
54.000	0.00	0.24	0.218	IO	|	|	|	0.66
54.083	0.00	0.24	0.217	IO	|	|	|	0.66
54.167	0.00	0.23	0.215	IO	|	|	|	0.65
54.250	0.00	0.23	0.214	IO	|	|	|	0.65
54.333	0.00	0.23	0.212	IO	|	|	|	0.64
54.417	0.00	0.23	0.210	IO	|	|	|	0.64
54.500	0.00	0.23	0.209	IO	|	|	|	0.63
54.583	0.00	0.23	0.207	IO	|	|	|	0.63
54.667	0.00	0.22	0.206	IO	|	|	|	0.62
54.750	0.00	0.22	0.204	IO	|	|	|	0.62
54.833	0.00	0.22	0.203	IO	|	|	|	0.61
54.917	0.00	0.22	0.201	IO	|	|	|	0.61
55.000	0.00	0.22	0.200	IO	|	|	|	0.60
55.083	0.00	0.22	0.198	IO	|	|	|	0.60
55.167	0.00	0.21	0.197	IO	|	|	|	0.60
55.250	0.00	0.21	0.195	IO	|	|	|	0.59
55.333	0.00	0.21	0.194	IO	|	|	|	0.59
55.417	0.00	0.21	0.192	IO	|	|	|	0.58
55.500	0.00	0.21	0.191	IO	|	|	|	0.58
55.583	0.00	0.21	0.189	IO	|	|	|	0.57
55.667	0.00	0.20	0.188	IO	|	|	|	0.57
55.750	0.00	0.20	0.186	IO	|	|	|	0.57
55.833	0.00	0.20	0.185	IO	|	|	|	0.56
55.917	0.00	0.20	0.184	IO	|	|	|	0.56

56.000	0.00	0.20	0.182	IO					0.55
56.083	0.00	0.20	0.181	IO					0.55
56.167	0.00	0.20	0.180	IO					0.54
56.250	0.00	0.19	0.178	IO					0.54
56.333	0.00	0.19	0.177	IO					0.54
56.417	0.00	0.19	0.176	IO					0.53
56.500	0.00	0.19	0.174	IO					0.53
56.583	0.00	0.19	0.173	IO					0.52
56.667	0.00	0.19	0.172	IO					0.52
56.750	0.00	0.19	0.170	IO					0.52
56.833	0.00	0.18	0.169	IO					0.51
56.917	0.00	0.18	0.168	IO					0.51
57.000	0.00	0.18	0.167	IO					0.50
57.083	0.00	0.18	0.165	IO					0.50
57.167	0.00	0.18	0.164	IO					0.50
57.250	0.00	0.18	0.163	IO					0.49
57.333	0.00	0.18	0.162	IO					0.49
57.417	0.00	0.18	0.160	IO					0.49
57.500	0.00	0.17	0.159	IO					0.48
57.583	0.00	0.17	0.158	IO					0.48
57.667	0.00	0.17	0.157	IO					0.48
57.750	0.00	0.17	0.156	IO					0.47
57.833	0.00	0.17	0.155	IO					0.47
57.917	0.00	0.17	0.153	IO					0.46
58.000	0.00	0.17	0.152	IO					0.46
58.083	0.00	0.16	0.151	IO					0.46
58.167	0.00	0.16	0.150	IO					0.45
58.250	0.00	0.16	0.149	IO					0.45
58.333	0.00	0.16	0.148	IO					0.45
58.417	0.00	0.16	0.147	IO					0.44
58.500	0.00	0.16	0.146	IO					0.44
58.583	0.00	0.16	0.144	IO					0.44
58.667	0.00	0.16	0.143	IO					0.43
58.750	0.00	0.16	0.142	IO					0.43
58.833	0.00	0.15	0.141	IO					0.43
58.917	0.00	0.15	0.140	IO					0.42
59.000	0.00	0.15	0.139	IO					0.42
59.083	0.00	0.15	0.138	IO					0.42
59.167	0.00	0.15	0.137	IO					0.42
59.250	0.00	0.15	0.136	IO					0.41
59.333	0.00	0.15	0.135	IO					0.41
59.417	0.00	0.15	0.134	O					0.41
59.500	0.00	0.15	0.133	O					0.40
59.583	0.00	0.14	0.132	O					0.40
59.667	0.00	0.14	0.131	O					0.40
59.750	0.00	0.14	0.130	O					0.39
59.833	0.00	0.14	0.129	O					0.39
59.917	0.00	0.14	0.128	O					0.39
60.000	0.00	0.14	0.127	O					0.39
60.083	0.00	0.14	0.126	O					0.38
60.167	0.00	0.14	0.125	O					0.38
60.250	0.00	0.14	0.124	O					0.38
60.333	0.00	0.13	0.123	O					0.37
60.417	0.00	0.13	0.122	O					0.37
60.500	0.00	0.13	0.122	O					0.37
60.583	0.00	0.13	0.121	O					0.37
60.667	0.00	0.13	0.120	O					0.36
60.750	0.00	0.13	0.119	O					0.36
60.833	0.00	0.13	0.118	O					0.36
60.917	0.00	0.13	0.117	O					0.35
61.000	0.00	0.13	0.116	O					0.35
61.083	0.00	0.13	0.115	O					0.35
61.167	0.00	0.12	0.114	O					0.35
61.250	0.00	0.12	0.114	O					0.34
61.333	0.00	0.12	0.113	O					0.34
61.417	0.00	0.12	0.112	O					0.34
61.500	0.00	0.12	0.111	O					0.34

61.583	0.00	0.12	0.110	O	|	|	|	|	0.33
61.667	0.00	0.12	0.109	O	|	|	|	|	0.33
61.750	0.00	0.12	0.109	O	|	|	|	|	0.33
61.833	0.00	0.12	0.108	O	|	|	|	|	0.33
61.917	0.00	0.12	0.107	O	|	|	|	|	0.32
62.000	0.00	0.12	0.106	O	|	|	|	|	0.32
62.083	0.00	0.11	0.105	O	|	|	|	|	0.32
62.167	0.00	0.11	0.105	O	|	|	|	|	0.32
62.250	0.00	0.11	0.104	O	|	|	|	|	0.31
62.333	0.00	0.11	0.103	O	|	|	|	|	0.31
62.417	0.00	0.11	0.102	O	|	|	|	|	0.31
62.500	0.00	0.11	0.101	O	|	|	|	|	0.31
62.583	0.00	0.11	0.101	O	|	|	|	|	0.31
62.667	0.00	0.11	0.100	O	|	|	|	|	0.30
62.750	0.00	0.11	0.099	O	|	|	|	|	0.30
62.833	0.00	0.11	0.098	O	|	|	|	|	0.30
62.917	0.00	0.11	0.098	O	|	|	|	|	0.30
63.000	0.00	0.11	0.097	O	|	|	|	|	0.29
63.083	0.00	0.11	0.096	O	|	|	|	|	0.29
63.167	0.00	0.10	0.096	O	|	|	|	|	0.29
63.250	0.00	0.10	0.095	O	|	|	|	|	0.29
63.333	0.00	0.10	0.094	O	|	|	|	|	0.29
63.417	0.00	0.10	0.093	O	|	|	|	|	0.28
63.500	0.00	0.10	0.093	O	|	|	|	|	0.28
63.583	0.00	0.10	0.092	O	|	|	|	|	0.28
63.667	0.00	0.10	0.091	O	|	|	|	|	0.28
63.750	0.00	0.10	0.091	O	|	|	|	|	0.27
63.833	0.00	0.10	0.090	O	|	|	|	|	0.27
63.917	0.00	0.10	0.089	O	|	|	|	|	0.27
64.000	0.00	0.10	0.089	O	|	|	|	|	0.27
64.083	0.00	0.10	0.088	O	|	|	|	|	0.27
64.167	0.00	0.10	0.087	O	|	|	|	|	0.26
64.250	0.00	0.09	0.087	O	|	|	|	|	0.26
64.333	0.00	0.09	0.086	O	|	|	|	|	0.26
64.417	0.00	0.09	0.085	O	|	|	|	|	0.26
64.500	0.00	0.09	0.085	O	|	|	|	|	0.26
64.583	0.00	0.09	0.084	O	|	|	|	|	0.25
64.667	0.00	0.09	0.083	O	|	|	|	|	0.25
64.750	0.00	0.09	0.083	O	|	|	|	|	0.25
64.833	0.00	0.09	0.082	O	|	|	|	|	0.25
64.917	0.00	0.09	0.082	O	|	|	|	|	0.25
65.000	0.00	0.09	0.081	O	|	|	|	|	0.25
65.083	0.00	0.09	0.080	O	|	|	|	|	0.24
65.167	0.00	0.09	0.080	O	|	|	|	|	0.24
65.250	0.00	0.09	0.079	O	|	|	|	|	0.24
65.333	0.00	0.09	0.079	O	|	|	|	|	0.24
65.417	0.00	0.09	0.078	O	|	|	|	|	0.24
65.500	0.00	0.08	0.077	O	|	|	|	|	0.23
65.583	0.00	0.08	0.077	O	|	|	|	|	0.23
65.667	0.00	0.08	0.076	O	|	|	|	|	0.23
65.750	0.00	0.08	0.076	O	|	|	|	|	0.23
65.833	0.00	0.08	0.075	O	|	|	|	|	0.23
65.917	0.00	0.08	0.075	O	|	|	|	|	0.23
66.000	0.00	0.08	0.074	O	|	|	|	|	0.22
66.083	0.00	0.08	0.073	O	|	|	|	|	0.22
66.167	0.00	0.08	0.073	O	|	|	|	|	0.22
66.250	0.00	0.08	0.072	O	|	|	|	|	0.22
66.333	0.00	0.08	0.072	O	|	|	|	|	0.22
66.417	0.00	0.08	0.071	O	|	|	|	|	0.22
66.500	0.00	0.08	0.071	O	|	|	|	|	0.21
66.583	0.00	0.08	0.070	O	|	|	|	|	0.21
66.667	0.00	0.08	0.070	O	|	|	|	|	0.21
66.750	0.00	0.08	0.069	O	|	|	|	|	0.21
66.833	0.00	0.07	0.069	O	|	|	|	|	0.21
66.917	0.00	0.07	0.068	O	|	|	|	|	0.21
67.000	0.00	0.07	0.068	O	|	|	|	|	0.20
67.083	0.00	0.07	0.067	O	|	|	|	|	0.20

67.167	0.00	0.07	0.067	O	|	|	|	0.20
67.250	0.00	0.07	0.066	O	|	|	|	0.20
67.333	0.00	0.07	0.066	O	|	|	|	0.20
67.417	0.00	0.07	0.065	O	|	|	|	0.20
67.500	0.00	0.07	0.065	O	|	|	|	0.20
67.583	0.00	0.07	0.064	O	|	|	|	0.19
67.667	0.00	0.07	0.064	O	|	|	|	0.19
67.750	0.00	0.07	0.063	O	|	|	|	0.19
67.833	0.00	0.07	0.063	O	|	|	|	0.19
67.917	0.00	0.07	0.062	O	|	|	|	0.19
68.000	0.00	0.07	0.062	O	|	|	|	0.19
68.083	0.00	0.07	0.061	O	|	|	|	0.19
68.167	0.00	0.07	0.061	O	|	|	|	0.18
68.250	0.00	0.07	0.060	O	|	|	|	0.18
68.333	0.00	0.07	0.060	O	|	|	|	0.18
68.417	0.00	0.06	0.060	O	|	|	|	0.18
68.500	0.00	0.06	0.059	O	|	|	|	0.18
68.583	0.00	0.06	0.059	O	|	|	|	0.18
68.667	0.00	0.06	0.058	O	|	|	|	0.18
68.750	0.00	0.06	0.058	O	|	|	|	0.18
68.833	0.00	0.06	0.057	O	|	|	|	0.17
68.917	0.00	0.06	0.057	O	|	|	|	0.17
69.000	0.00	0.06	0.056	O	|	|	|	0.17
69.083	0.00	0.06	0.056	O	|	|	|	0.17
69.167	0.00	0.06	0.056	O	|	|	|	0.17
69.250	0.00	0.06	0.055	O	|	|	|	0.17
69.333	0.00	0.06	0.055	O	|	|	|	0.17
69.417	0.00	0.06	0.054	O	|	|	|	0.16
69.500	0.00	0.06	0.054	O	|	|	|	0.16
69.583	0.00	0.06	0.054	O	|	|	|	0.16
69.667	0.00	0.06	0.053	O	|	|	|	0.16
69.750	0.00	0.06	0.053	O	|	|	|	0.16
69.833	0.00	0.06	0.052	O	|	|	|	0.16
69.917	0.00	0.06	0.052	O	|	|	|	0.16
70.000	0.00	0.06	0.052	O	|	|	|	0.16
70.083	0.00	0.06	0.051	O	|	|	|	0.16
70.167	0.00	0.06	0.051	O	|	|	|	0.15
70.250	0.00	0.06	0.050	O	|	|	|	0.15
70.333	0.00	0.05	0.050	O	|	|	|	0.15
70.417	0.00	0.05	0.050	O	|	|	|	0.15
70.500	0.00	0.05	0.049	O	|	|	|	0.15
70.583	0.00	0.05	0.049	O	|	|	|	0.15
70.667	0.00	0.05	0.049	O	|	|	|	0.15
70.750	0.00	0.05	0.048	O	|	|	|	0.15
70.833	0.00	0.05	0.048	O	|	|	|	0.15
70.917	0.00	0.05	0.048	O	|	|	|	0.14
71.000	0.00	0.05	0.047	O	|	|	|	0.14
71.083	0.00	0.05	0.047	O	|	|	|	0.14
71.167	0.00	0.05	0.046	O	|	|	|	0.14
71.250	0.00	0.05	0.046	O	|	|	|	0.14
71.333	0.00	0.05	0.046	O	|	|	|	0.14
71.417	0.00	0.05	0.045	O	|	|	|	0.14
71.500	0.00	0.05	0.045	O	|	|	|	0.14
71.583	0.00	0.05	0.045	O	|	|	|	0.14
71.667	0.00	0.05	0.044	O	|	|	|	0.13
71.750	0.00	0.05	0.044	O	|	|	|	0.13
71.833	0.00	0.05	0.044	O	|	|	|	0.13
71.917	0.00	0.05	0.043	O	|	|	|	0.13
72.000	0.00	0.05	0.043	O	|	|	|	0.13
72.083	0.00	0.05	0.043	O	|	|	|	0.13
72.167	0.00	0.05	0.042	O	|	|	|	0.13
72.250	0.00	0.05	0.042	O	|	|	|	0.13
72.333	0.00	0.05	0.042	O	|	|	|	0.13
72.417	0.00	0.05	0.042	O	|	|	|	0.13
72.500	0.00	0.04	0.041	O	|	|	|	0.12
72.583	0.00	0.04	0.041	O	|	|	|	0.12
72.667	0.00	0.04	0.041	O	|	|	|	0.12

72.750	0.00	0.04	0.040	O	|	|	|	|	0.12
72.833	0.00	0.04	0.040	O	|	|	|	|	0.12
72.917	0.00	0.04	0.040	O	|	|	|	|	0.12
73.000	0.00	0.04	0.039	O	|	|	|	|	0.12
73.083	0.00	0.04	0.039	O	|	|	|	|	0.12
73.167	0.00	0.04	0.039	O	|	|	|	|	0.12
73.250	0.00	0.04	0.038	O	|	|	|	|	0.12
73.333	0.00	0.04	0.038	O	|	|	|	|	0.12
73.417	0.00	0.04	0.038	O	|	|	|	|	0.11
73.500	0.00	0.04	0.038	O	|	|	|	|	0.11
73.583	0.00	0.04	0.037	O	|	|	|	|	0.11
73.667	0.00	0.04	0.037	O	|	|	|	|	0.11
73.750	0.00	0.04	0.037	O	|	|	|	|	0.11
73.833	0.00	0.04	0.037	O	|	|	|	|	0.11
73.917	0.00	0.04	0.036	O	|	|	|	|	0.11
74.000	0.00	0.04	0.036	O	|	|	|	|	0.11
74.083	0.00	0.04	0.036	O	|	|	|	|	0.11
74.167	0.00	0.04	0.035	O	|	|	|	|	0.11
74.250	0.00	0.04	0.035	O	|	|	|	|	0.11
74.333	0.00	0.04	0.035	O	|	|	|	|	0.11
74.417	0.00	0.04	0.035	O	|	|	|	|	0.11
74.500	0.00	0.04	0.034	O	|	|	|	|	0.10
74.583	0.00	0.04	0.034	O	|	|	|	|	0.10
74.667	0.00	0.04	0.034	O	|	|	|	|	0.10
74.750	0.00	0.04	0.034	O	|	|	|	|	0.10
74.833	0.00	0.04	0.033	O	|	|	|	|	0.10
74.917	0.00	0.04	0.033	O	|	|	|	|	0.10
75.000	0.00	0.04	0.033	O	|	|	|	|	0.10
75.083	0.00	0.04	0.033	O	|	|	|	|	0.10
75.167	0.00	0.04	0.032	O	|	|	|	|	0.10
75.250	0.00	0.04	0.032	O	|	|	|	|	0.10
75.333	0.00	0.03	0.032	O	|	|	|	|	0.10
75.417	0.00	0.03	0.032	O	|	|	|	|	0.10
75.500	0.00	0.03	0.031	O	|	|	|	|	0.10
75.583	0.00	0.03	0.031	O	|	|	|	|	0.09
75.667	0.00	0.03	0.031	O	|	|	|	|	0.09
75.750	0.00	0.03	0.031	O	|	|	|	|	0.09
75.833	0.00	0.03	0.030	O	|	|	|	|	0.09
75.917	0.00	0.03	0.030	O	|	|	|	|	0.09
76.000	0.00	0.03	0.030	O	|	|	|	|	0.09
76.083	0.00	0.03	0.030	O	|	|	|	|	0.09
76.167	0.00	0.03	0.030	O	|	|	|	|	0.09
76.250	0.00	0.03	0.029	O	|	|	|	|	0.09
76.333	0.00	0.03	0.029	O	|	|	|	|	0.09
76.417	0.00	0.03	0.029	O	|	|	|	|	0.09
76.500	0.00	0.03	0.029	O	|	|	|	|	0.09
76.583	0.00	0.03	0.029	O	|	|	|	|	0.09
76.667	0.00	0.03	0.028	O	|	|	|	|	0.09
76.750	0.00	0.03	0.028	O	|	|	|	|	0.09
76.833	0.00	0.03	0.028	O	|	|	|	|	0.08
76.917	0.00	0.03	0.028	O	|	|	|	|	0.08
77.000	0.00	0.03	0.027	O	|	|	|	|	0.08
77.083	0.00	0.03	0.027	O	|	|	|	|	0.08
77.167	0.00	0.03	0.027	O	|	|	|	|	0.08
77.250	0.00	0.03	0.027	O	|	|	|	|	0.08
77.333	0.00	0.03	0.027	O	|	|	|	|	0.08
77.417	0.00	0.03	0.026	O	|	|	|	|	0.08
77.500	0.00	0.03	0.026	O	|	|	|	|	0.08
77.583	0.00	0.03	0.026	O	|	|	|	|	0.08
77.667	0.00	0.03	0.026	O	|	|	|	|	0.08
77.750	0.00	0.03	0.026	O	|	|	|	|	0.08
77.833	0.00	0.03	0.025	O	|	|	|	|	0.08
77.917	0.00	0.03	0.025	O	|	|	|	|	0.08
78.000	0.00	0.03	0.025	O	|	|	|	|	0.08
78.083	0.00	0.03	0.025	O	|	|	|	|	0.08
78.167	0.00	0.03	0.025	O	|	|	|	|	0.07
78.250	0.00	0.03	0.025	O	|	|	|	|	0.07

78.333	0.00	0.03	0.024	O	|	|	|	|	0.07
78.417	0.00	0.03	0.024	O	|	|	|	|	0.07
78.500	0.00	0.03	0.024	O	|	|	|	|	0.07
78.583	0.00	0.03	0.024	O	|	|	|	|	0.07
78.667	0.00	0.03	0.024	O	|	|	|	|	0.07
78.750	0.00	0.03	0.023	O	|	|	|	|	0.07
78.833	0.00	0.03	0.023	O	|	|	|	|	0.07
78.917	0.00	0.03	0.023	O	|	|	|	|	0.07
79.000	0.00	0.03	0.023	O	|	|	|	|	0.07
79.083	0.00	0.02	0.023	O	|	|	|	|	0.07
79.167	0.00	0.02	0.023	O	|	|	|	|	0.07
79.250	0.00	0.02	0.022	O	|	|	|	|	0.07
79.333	0.00	0.02	0.022	O	|	|	|	|	0.07
79.417	0.00	0.02	0.022	O	|	|	|	|	0.07
79.500	0.00	0.02	0.022	O	|	|	|	|	0.07
79.583	0.00	0.02	0.022	O	|	|	|	|	0.07
79.667	0.00	0.02	0.022	O	|	|	|	|	0.07
79.750	0.00	0.02	0.021	O	|	|	|	|	0.06
79.833	0.00	0.02	0.021	O	|	|	|	|	0.06
79.917	0.00	0.02	0.021	O	|	|	|	|	0.06
80.000	0.00	0.02	0.021	O	|	|	|	|	0.06
80.083	0.00	0.02	0.021	O	|	|	|	|	0.06
80.167	0.00	0.02	0.021	O	|	|	|	|	0.06
80.250	0.00	0.02	0.020	O	|	|	|	|	0.06
80.333	0.00	0.02	0.020	O	|	|	|	|	0.06
80.417	0.00	0.02	0.020	O	|	|	|	|	0.06
80.500	0.00	0.02	0.020	O	|	|	|	|	0.06
80.583	0.00	0.02	0.020	O	|	|	|	|	0.06
80.667	0.00	0.02	0.020	O	|	|	|	|	0.06
80.750	0.00	0.02	0.020	O	|	|	|	|	0.06
80.833	0.00	0.02	0.019	O	|	|	|	|	0.06
80.917	0.00	0.02	0.019	O	|	|	|	|	0.06
81.000	0.00	0.02	0.019	O	|	|	|	|	0.06
81.083	0.00	0.02	0.019	O	|	|	|	|	0.06
81.167	0.00	0.02	0.019	O	|	|	|	|	0.06
81.250	0.00	0.02	0.019	O	|	|	|	|	0.06
81.333	0.00	0.02	0.019	O	|	|	|	|	0.06
81.417	0.00	0.02	0.018	O	|	|	|	|	0.06
81.500	0.00	0.02	0.018	O	|	|	|	|	0.06
81.583	0.00	0.02	0.018	O	|	|	|	|	0.06
81.667	0.00	0.02	0.018	O	|	|	|	|	0.05
81.750	0.00	0.02	0.018	O	|	|	|	|	0.05
81.833	0.00	0.02	0.018	O	|	|	|	|	0.05
81.917	0.00	0.02	0.018	O	|	|	|	|	0.05
82.000	0.00	0.02	0.017	O	|	|	|	|	0.05
82.083	0.00	0.02	0.017	O	|	|	|	|	0.05
82.167	0.00	0.02	0.017	O	|	|	|	|	0.05
82.250	0.00	0.02	0.017	O	|	|	|	|	0.05
82.333	0.00	0.02	0.017	O	|	|	|	|	0.05
82.417	0.00	0.02	0.017	O	|	|	|	|	0.05
82.500	0.00	0.02	0.017	O	|	|	|	|	0.05
82.583	0.00	0.02	0.017	O	|	|	|	|	0.05
82.667	0.00	0.02	0.016	O	|	|	|	|	0.05
82.750	0.00	0.02	0.016	O	|	|	|	|	0.05
82.833	0.00	0.02	0.016	O	|	|	|	|	0.05
82.917	0.00	0.02	0.016	O	|	|	|	|	0.05
83.000	0.00	0.02	0.016	O	|	|	|	|	0.05
83.083	0.00	0.02	0.016	O	|	|	|	|	0.05
83.167	0.00	0.02	0.016	O	|	|	|	|	0.05
83.250	0.00	0.02	0.016	O	|	|	|	|	0.05
83.333	0.00	0.02	0.016	O	|	|	|	|	0.05
83.417	0.00	0.02	0.015	O	|	|	|	|	0.05
83.500	0.00	0.02	0.015	O	|	|	|	|	0.05
83.583	0.00	0.02	0.015	O	|	|	|	|	0.05
83.667	0.00	0.02	0.015	O	|	|	|	|	0.05
83.750	0.00	0.02	0.015	O	|	|	|	|	0.05
83.833	0.00	0.02	0.015	O	|	|	|	|	0.04

83.917	0.00	0.02	0.015	O	|	|	|	|	0.04
84.000	0.00	0.02	0.015	O	|	|	|	|	0.04
84.083	0.00	0.02	0.014	O	|	|	|	|	0.04
84.167	0.00	0.02	0.014	O	|	|	|	|	0.04
84.250	0.00	0.02	0.014	O	|	|	|	|	0.04
84.333	0.00	0.02	0.014	O	|	|	|	|	0.04
84.417	0.00	0.02	0.014	O	|	|	|	|	0.04
84.500	0.00	0.02	0.014	O	|	|	|	|	0.04
84.583	0.00	0.02	0.014	O	|	|	|	|	0.04
84.667	0.00	0.02	0.014	O	|	|	|	|	0.04
84.750	0.00	0.01	0.014	O	|	|	|	|	0.04
84.833	0.00	0.01	0.014	O	|	|	|	|	0.04
84.917	0.00	0.01	0.013	O	|	|	|	|	0.04
85.000	0.00	0.01	0.013	O	|	|	|	|	0.04
85.083	0.00	0.01	0.013	O	|	|	|	|	0.04
85.167	0.00	0.01	0.013	O	|	|	|	|	0.04
85.250	0.00	0.01	0.013	O	|	|	|	|	0.04
85.333	0.00	0.01	0.013	O	|	|	|	|	0.04
85.417	0.00	0.01	0.013	O	|	|	|	|	0.04
85.500	0.00	0.01	0.013	O	|	|	|	|	0.04
85.583	0.00	0.01	0.013	O	|	|	|	|	0.04
85.667	0.00	0.01	0.013	O	|	|	|	|	0.04
85.750	0.00	0.01	0.012	O	|	|	|	|	0.04
85.833	0.00	0.01	0.012	O	|	|	|	|	0.04
85.917	0.00	0.01	0.012	O	|	|	|	|	0.04
86.000	0.00	0.01	0.012	O	|	|	|	|	0.04
86.083	0.00	0.01	0.012	O	|	|	|	|	0.04
86.167	0.00	0.01	0.012	O	|	|	|	|	0.04
86.250	0.00	0.01	0.012	O	|	|	|	|	0.04
86.333	0.00	0.01	0.012	O	|	|	|	|	0.04
86.417	0.00	0.01	0.012	O	|	|	|	|	0.04
86.500	0.00	0.01	0.012	O	|	|	|	|	0.04
86.583	0.00	0.01	0.012	O	|	|	|	|	0.04
86.667	0.00	0.01	0.011	O	|	|	|	|	0.03
86.750	0.00	0.01	0.011	O	|	|	|	|	0.03
86.833	0.00	0.01	0.011	O	|	|	|	|	0.03
86.917	0.00	0.01	0.011	O	|	|	|	|	0.03
87.000	0.00	0.01	0.011	O	|	|	|	|	0.03
87.083	0.00	0.01	0.011	O	|	|	|	|	0.03
87.167	0.00	0.01	0.011	O	|	|	|	|	0.03
87.250	0.00	0.01	0.011	O	|	|	|	|	0.03
87.333	0.00	0.01	0.011	O	|	|	|	|	0.03
87.417	0.00	0.01	0.011	O	|	|	|	|	0.03
87.500	0.00	0.01	0.011	O	|	|	|	|	0.03
87.583	0.00	0.01	0.011	O	|	|	|	|	0.03
87.667	0.00	0.01	0.010	O	|	|	|	|	0.03
87.750	0.00	0.01	0.010	O	|	|	|	|	0.03
87.833	0.00	0.01	0.010	O	|	|	|	|	0.03
87.917	0.00	0.01	0.010	O	|	|	|	|	0.03
88.000	0.00	0.01	0.010	O	|	|	|	|	0.03
88.083	0.00	0.01	0.010	O	|	|	|	|	0.03
88.167	0.00	0.01	0.010	O	|	|	|	|	0.03
88.250	0.00	0.01	0.010	O	|	|	|	|	0.03
88.333	0.00	0.01	0.010	O	|	|	|	|	0.03
88.417	0.00	0.01	0.010	O	|	|	|	|	0.03
88.500	0.00	0.01	0.010	O	|	|	|	|	0.03
88.583	0.00	0.01	0.010	O	|	|	|	|	0.03
88.667	0.00	0.01	0.010	O	|	|	|	|	0.03
88.750	0.00	0.01	0.010	O	|	|	|	|	0.03
88.833	0.00	0.01	0.009	O	|	|	|	|	0.03
88.917	0.00	0.01	0.009	O	|	|	|	|	0.03
89.000	0.00	0.01	0.009	O	|	|	|	|	0.03
89.083	0.00	0.01	0.009	O	|	|	|	|	0.03
89.167	0.00	0.01	0.009	O	|	|	|	|	0.03
89.250	0.00	0.01	0.009	O	|	|	|	|	0.03
89.333	0.00	0.01	0.009	O	|	|	|	|	0.03
89.417	0.00	0.01	0.009	O	|	|	|	|	0.03

89.500	0.00	0.01	0.009	O	|	|	|	|	0.03
89.583	0.00	0.01	0.009	O	|	|	|	|	0.03
89.667	0.00	0.01	0.009	O	|	|	|	|	0.03
89.750	0.00	0.01	0.009	O	|	|	|	|	0.03
89.833	0.00	0.01	0.009	O	|	|	|	|	0.03
89.917	0.00	0.01	0.009	O	|	|	|	|	0.03
90.000	0.00	0.01	0.009	O	|	|	|	|	0.03
90.083	0.00	0.01	0.008	O	|	|	|	|	0.03
90.167	0.00	0.01	0.008	O	|	|	|	|	0.03
90.250	0.00	0.01	0.008	O	|	|	|	|	0.03
90.333	0.00	0.01	0.008	O	|	|	|	|	0.03
90.417	0.00	0.01	0.008	O	|	|	|	|	0.02
90.500	0.00	0.01	0.008	O	|	|	|	|	0.02
90.583	0.00	0.01	0.008	O	|	|	|	|	0.02
90.667	0.00	0.01	0.008	O	|	|	|	|	0.02
90.750	0.00	0.01	0.008	O	|	|	|	|	0.02
90.833	0.00	0.01	0.008	O	|	|	|	|	0.02
90.917	0.00	0.01	0.008	O	|	|	|	|	0.02
91.000	0.00	0.01	0.008	O	|	|	|	|	0.02
91.083	0.00	0.01	0.008	O	|	|	|	|	0.02
91.167	0.00	0.01	0.008	O	|	|	|	|	0.02
91.250	0.00	0.01	0.008	O	|	|	|	|	0.02
91.333	0.00	0.01	0.008	O	|	|	|	|	0.02
91.417	0.00	0.01	0.007	O	|	|	|	|	0.02
91.500	0.00	0.01	0.007	O	|	|	|	|	0.02
91.583	0.00	0.01	0.007	O	|	|	|	|	0.02
91.667	0.00	0.01	0.007	O	|	|	|	|	0.02
91.750	0.00	0.01	0.007	O	|	|	|	|	0.02
91.833	0.00	0.01	0.007	O	|	|	|	|	0.02
91.917	0.00	0.01	0.007	O	|	|	|	|	0.02
92.000	0.00	0.01	0.007	O	|	|	|	|	0.02
92.083	0.00	0.01	0.007	O	|	|	|	|	0.02
92.167	0.00	0.01	0.007	O	|	|	|	|	0.02
92.250	0.00	0.01	0.007	O	|	|	|	|	0.02
92.333	0.00	0.01	0.007	O	|	|	|	|	0.02
92.417	0.00	0.01	0.007	O	|	|	|	|	0.02
92.500	0.00	0.01	0.007	O	|	|	|	|	0.02
92.583	0.00	0.01	0.007	O	|	|	|	|	0.02
92.667	0.00	0.01	0.007	O	|	|	|	|	0.02
92.750	0.00	0.01	0.007	O	|	|	|	|	0.02
92.833	0.00	0.01	0.007	O	|	|	|	|	0.02
92.917	0.00	0.01	0.007	O	|	|	|	|	0.02
93.000	0.00	0.01	0.006	O	|	|	|	|	0.02
93.083	0.00	0.01	0.006	O	|	|	|	|	0.02
93.167	0.00	0.01	0.006	O	|	|	|	|	0.02
93.250	0.00	0.01	0.006	O	|	|	|	|	0.02
93.333	0.00	0.01	0.006	O	|	|	|	|	0.02
93.417	0.00	0.01	0.006	O	|	|	|	|	0.02
93.500	0.00	0.01	0.006	O	|	|	|	|	0.02
93.583	0.00	0.01	0.006	O	|	|	|	|	0.02
93.667	0.00	0.01	0.006	O	|	|	|	|	0.02
93.750	0.00	0.01	0.006	O	|	|	|	|	0.02
93.833	0.00	0.01	0.006	O	|	|	|	|	0.02
93.917	0.00	0.01	0.006	O	|	|	|	|	0.02
94.000	0.00	0.01	0.006	O	|	|	|	|	0.02
94.083	0.00	0.01	0.006	O	|	|	|	|	0.02
94.167	0.00	0.01	0.006	O	|	|	|	|	0.02
94.250	0.00	0.01	0.006	O	|	|	|	|	0.02
94.333	0.00	0.01	0.006	O	|	|	|	|	0.02
94.417	0.00	0.01	0.006	O	|	|	|	|	0.02
94.500	0.00	0.01	0.006	O	|	|	|	|	0.02
94.583	0.00	0.01	0.006	O	|	|	|	|	0.02
94.667	0.00	0.01	0.006	O	|	|	|	|	0.02
94.750	0.00	0.01	0.006	O	|	|	|	|	0.02
94.833	0.00	0.01	0.005	O	|	|	|	|	0.02
94.917	0.00	0.01	0.005	O	|	|	|	|	0.02
95.000	0.00	0.01	0.005	O	|	|	|	|	0.02

95.083	0.00	0.01	0.005	O				0.02
95.167	0.00	0.01	0.005	O				0.02
95.250	0.00	0.01	0.005	O				0.02
95.333	0.00	0.01	0.005	O				0.02
95.417	0.00	0.01	0.005	O				0.02
95.500	0.00	0.01	0.005	O				0.02
95.583	0.00	0.01	0.005	O				0.02
95.667	0.00	0.01	0.005	O				0.02
95.750	0.00	0.01	0.005	O				0.02
95.833	0.00	0.01	0.005	O				0.02
95.917	0.00	0.01	0.005	O				0.02
96.000	0.00	0.01	0.005	O				0.02
96.083	0.00	0.01	0.005	O				0.01
96.167	0.00	0.01	0.005	O				0.01
96.250	0.00	0.01	0.005	O				0.01
96.333	0.00	0.01	0.005	O				0.01
96.417	0.00	0.01	0.005	O				0.01
96.500	0.00	0.01	0.005	O				0.01
96.583	0.00	0.01	0.005	O				0.01
96.667	0.00	0.01	0.005	O				0.01
96.750	0.00	0.01	0.005	O				0.01
96.833	0.00	0.01	0.005	O				0.01
96.917	0.00	0.00	0.005	O				0.01
97.000	0.00	0.00	0.005	O				0.01
97.083	0.00	0.00	0.004	O				0.01
97.167	0.00	0.00	0.004	O				0.01
97.250	0.00	0.00	0.004	O				0.01
97.333	0.00	0.00	0.004	O				0.01
97.417	0.00	0.00	0.004	O				0.01
97.500	0.00	0.00	0.004	O				0.01
97.583	0.00	0.00	0.004	O				0.01
97.667	0.00	0.00	0.004	O				0.01
97.750	0.00	0.00	0.004	O				0.01
97.833	0.00	0.00	0.004	O				0.01
97.917	0.00	0.00	0.004	O				0.01
98.000	0.00	0.00	0.004	O				0.01
98.083	0.00	0.00	0.004	O				0.01
98.167	0.00	0.00	0.004	O				0.01
98.250	0.00	0.00	0.004	O				0.01
98.333	0.00	0.00	0.004	O				0.01
98.417	0.00	0.00	0.004	O				0.01
98.500	0.00	0.00	0.004	O				0.01
98.583	0.00	0.00	0.004	O				0.01
98.667	0.00	0.00	0.004	O				0.01
98.750	0.00	0.00	0.004	O				0.01
98.833	0.00	0.00	0.004	O				0.01
98.917	0.00	0.00	0.004	O				0.01
99.000	0.00	0.00	0.004	O				0.01
99.083	0.00	0.00	0.004	O				0.01
99.167	0.00	0.00	0.004	O				0.01
99.250	0.00	0.00	0.004	O				0.01
99.333	0.00	0.00	0.004	O				0.01
99.417	0.00	0.00	0.004	O				0.01
99.500	0.00	0.00	0.004	O				0.01
99.583	0.00	0.00	0.004	O				0.01
99.667	0.00	0.00	0.004	O				0.01
99.750	0.00	0.00	0.004	O				0.01
99.833	0.00	0.00	0.004	O				0.01
99.917	0.00	0.00	0.003	O				0.01
100.000	0.00	0.00	0.003	O				0.01
100.083	0.00	0.00	0.003	O				0.01
100.167	0.00	0.00	0.003	O				0.01
100.250	0.00	0.00	0.003	O				0.01
100.333	0.00	0.00	0.003	O				0.01
100.417	0.00	0.00	0.003	O				0.01
100.500	0.00	0.00	0.003	O				0.01
100.583	0.00	0.00	0.003	O				0.01

100.667	0.00	0.00	0.003	O				0.01
100.750	0.00	0.00	0.003	O				0.01
100.833	0.00	0.00	0.003	O				0.01
100.917	0.00	0.00	0.003	O				0.01
101.000	0.00	0.00	0.003	O				0.01
101.083	0.00	0.00	0.003	O				0.01
101.167	0.00	0.00	0.003	O				0.01
101.250	0.00	0.00	0.003	O				0.01
101.333	0.00	0.00	0.003	O				0.01
101.417	0.00	0.00	0.003	O				0.01
101.500	0.00	0.00	0.003	O				0.01
101.583	0.00	0.00	0.003	O				0.01
101.667	0.00	0.00	0.003	O				0.01
101.750	0.00	0.00	0.003	O				0.01
101.833	0.00	0.00	0.003	O				0.01
101.917	0.00	0.00	0.003	O				0.01
102.000	0.00	0.00	0.003	O				0.01
102.083	0.00	0.00	0.003	O				0.01
102.167	0.00	0.00	0.003	O				0.01
102.250	0.00	0.00	0.003	O				0.01
102.333	0.00	0.00	0.003	O				0.01
102.417	0.00	0.00	0.003	O				0.01
102.500	0.00	0.00	0.003	O				0.01
102.583	0.00	0.00	0.003	O				0.01
102.667	0.00	0.00	0.003	O				0.01
102.750	0.00	0.00	0.003	O				0.01
102.833	0.00	0.00	0.003	O				0.01
102.917	0.00	0.00	0.003	O				0.01
103.000	0.00	0.00	0.003	O				0.01
103.083	0.00	0.00	0.003	O				0.01
103.167	0.00	0.00	0.003	O				0.01
103.250	0.00	0.00	0.003	O				0.01
103.333	0.00	0.00	0.003	O				0.01
103.417	0.00	0.00	0.003	O				0.01
103.500	0.00	0.00	0.003	O				0.01
103.583	0.00	0.00	0.002	O				0.01
103.667	0.00	0.00	0.002	O				0.01
103.750	0.00	0.00	0.002	O				0.01
103.833	0.00	0.00	0.002	O				0.01
103.917	0.00	0.00	0.002	O				0.01
104.000	0.00	0.00	0.002	O				0.01
104.083	0.00	0.00	0.002	O				0.01
104.167	0.00	0.00	0.002	O				0.01
104.250	0.00	0.00	0.002	O				0.01
104.333	0.00	0.00	0.002	O				0.01
104.417	0.00	0.00	0.002	O				0.01
104.500	0.00	0.00	0.002	O				0.01
104.583	0.00	0.00	0.002	O				0.01
104.667	0.00	0.00	0.002	O				0.01
104.750	0.00	0.00	0.002	O				0.01
104.833	0.00	0.00	0.002	O				0.01
104.917	0.00	0.00	0.002	O				0.01
105.000	0.00	0.00	0.002	O				0.01
105.083	0.00	0.00	0.002	O				0.01
105.167	0.00	0.00	0.002	O				0.01
105.250	0.00	0.00	0.002	O				0.01
105.333	0.00	0.00	0.002	O				0.01
105.417	0.00	0.00	0.002	O				0.01
105.500	0.00	0.00	0.002	O				0.01
105.583	0.00	0.00	0.002	O				0.01
105.667	0.00	0.00	0.002	O				0.01
105.750	0.00	0.00	0.002	O				0.01
105.833	0.00	0.00	0.002	O				0.01
105.917	0.00	0.00	0.002	O				0.01
106.000	0.00	0.00	0.002	O				0.01
106.083	0.00	0.00	0.002	O				0.01
106.167	0.00	0.00	0.002	O				0.01

106.250	0.00	0.00	0.002	O	|	|	|	0.01
106.333	0.00	0.00	0.002	O	|	|	|	0.01
106.417	0.00	0.00	0.002	O	|	|	|	0.01
106.500	0.00	0.00	0.002	O	|	|	|	0.01
106.583	0.00	0.00	0.002	O	|	|	|	0.01
106.667	0.00	0.00	0.002	O	|	|	|	0.01
106.750	0.00	0.00	0.002	O	|	|	|	0.01
106.833	0.00	0.00	0.002	O	|	|	|	0.01
106.917	0.00	0.00	0.002	O	|	|	|	0.01
107.000	0.00	0.00	0.002	O	|	|	|	0.01
107.083	0.00	0.00	0.002	O	|	|	|	0.01
107.167	0.00	0.00	0.002	O	|	|	|	0.01
107.250	0.00	0.00	0.002	O	|	|	|	0.01
107.333	0.00	0.00	0.002	O	|	|	|	0.01
107.417	0.00	0.00	0.002	O	|	|	|	0.01
107.500	0.00	0.00	0.002	O	|	|	|	0.01
107.583	0.00	0.00	0.002	O	|	|	|	0.01
107.667	0.00	0.00	0.002	O	|	|	|	0.01
107.750	0.00	0.00	0.002	O	|	|	|	0.01
107.833	0.00	0.00	0.002	O	|	|	|	0.01
107.917	0.00	0.00	0.002	O	|	|	|	0.01
108.000	0.00	0.00	0.002	O	|	|	|	0.01
108.083	0.00	0.00	0.002	O	|	|	|	0.01
108.167	0.00	0.00	0.002	O	|	|	|	0.01
108.250	0.00	0.00	0.002	O	|	|	|	0.00
108.333	0.00	0.00	0.002	O	|	|	|	0.00
108.417	0.00	0.00	0.002	O	|	|	|	0.00
108.500	0.00	0.00	0.002	O	|	|	|	0.00
108.583	0.00	0.00	0.002	O	|	|	|	0.00
108.667	0.00	0.00	0.002	O	|	|	|	0.00
108.750	0.00	0.00	0.002	O	|	|	|	0.00
108.833	0.00	0.00	0.002	O	|	|	|	0.00
108.917	0.00	0.00	0.002	O	|	|	|	0.00
109.000	0.00	0.00	0.002	O	|	|	|	0.00
109.083	0.00	0.00	0.002	O	|	|	|	0.00
109.167	0.00	0.00	0.002	O	|	|	|	0.00
109.250	0.00	0.00	0.001	O	|	|	|	0.00
109.333	0.00	0.00	0.001	O	|	|	|	0.00
109.417	0.00	0.00	0.001	O	|	|	|	0.00
109.500	0.00	0.00	0.001	O	|	|	|	0.00
109.583	0.00	0.00	0.001	O	|	|	|	0.00
109.667	0.00	0.00	0.001	O	|	|	|	0.00
109.750	0.00	0.00	0.001	O	|	|	|	0.00
109.833	0.00	0.00	0.001	O	|	|	|	0.00
109.917	0.00	0.00	0.001	O	|	|	|	0.00
110.000	0.00	0.00	0.001	O	|	|	|	0.00
110.083	0.00	0.00	0.001	O	|	|	|	0.00
110.167	0.00	0.00	0.001	O	|	|	|	0.00
110.250	0.00	0.00	0.001	O	|	|	|	0.00
110.333	0.00	0.00	0.001	O	|	|	|	0.00
110.417	0.00	0.00	0.001	O	|	|	|	0.00
110.500	0.00	0.00	0.001	O	|	|	|	0.00
110.583	0.00	0.00	0.001	O	|	|	|	0.00
110.667	0.00	0.00	0.001	O	|	|	|	0.00
110.750	0.00	0.00	0.001	O	|	|	|	0.00
110.833	0.00	0.00	0.001	O	|	|	|	0.00
110.917	0.00	0.00	0.001	O	|	|	|	0.00
111.000	0.00	0.00	0.001	O	|	|	|	0.00
111.083	0.00	0.00	0.001	O	|	|	|	0.00
111.167	0.00	0.00	0.001	O	|	|	|	0.00
111.250	0.00	0.00	0.001	O	|	|	|	0.00
111.333	0.00	0.00	0.001	O	|	|	|	0.00
111.417	0.00	0.00	0.001	O	|	|	|	0.00
111.500	0.00	0.00	0.001	O	|	|	|	0.00
111.583	0.00	0.00	0.001	O	|	|	|	0.00
111.667	0.00	0.00	0.001	O	|	|	|	0.00
111.750	0.00	0.00	0.001	O	|	|	|	0.00

111.833	0.00	0.00	0.001	O	|	|	|	|	0.00
111.917	0.00	0.00	0.001	O	|	|	|	|	0.00
112.000	0.00	0.00	0.001	O	|	|	|	|	0.00
112.083	0.00	0.00	0.001	O	|	|	|	|	0.00
112.167	0.00	0.00	0.001	O	|	|	|	|	0.00
112.250	0.00	0.00	0.001	O	|	|	|	|	0.00
112.333	0.00	0.00	0.001	O	|	|	|	|	0.00
112.417	0.00	0.00	0.001	O	|	|	|	|	0.00
112.500	0.00	0.00	0.001	O	|	|	|	|	0.00
112.583	0.00	0.00	0.001	O	|	|	|	|	0.00
112.667	0.00	0.00	0.001	O	|	|	|	|	0.00
112.750	0.00	0.00	0.001	O	|	|	|	|	0.00
112.833	0.00	0.00	0.001	O	|	|	|	|	0.00
112.917	0.00	0.00	0.001	O	|	|	|	|	0.00
113.000	0.00	0.00	0.001	O	|	|	|	|	0.00
113.083	0.00	0.00	0.001	O	|	|	|	|	0.00
113.167	0.00	0.00	0.001	O	|	|	|	|	0.00
113.250	0.00	0.00	0.001	O	|	|	|	|	0.00
113.333	0.00	0.00	0.001	O	|	|	|	|	0.00
113.417	0.00	0.00	0.001	O	|	|	|	|	0.00
113.500	0.00	0.00	0.001	O	|	|	|	|	0.00
113.583	0.00	0.00	0.001	O	|	|	|	|	0.00
113.667	0.00	0.00	0.001	O	|	|	|	|	0.00
113.750	0.00	0.00	0.001	O	|	|	|	|	0.00
113.833	0.00	0.00	0.001	O	|	|	|	|	0.00
113.917	0.00	0.00	0.001	O	|	|	|	|	0.00
114.000	0.00	0.00	0.001	O	|	|	|	|	0.00
114.083	0.00	0.00	0.001	O	|	|	|	|	0.00
114.167	0.00	0.00	0.001	O	|	|	|	|	0.00
114.250	0.00	0.00	0.001	O	|	|	|	|	0.00
114.333	0.00	0.00	0.001	O	|	|	|	|	0.00
114.417	0.00	0.00	0.001	O	|	|	|	|	0.00
114.500	0.00	0.00	0.001	O	|	|	|	|	0.00
114.583	0.00	0.00	0.001	O	|	|	|	|	0.00
114.667	0.00	0.00	0.001	O	|	|	|	|	0.00
114.750	0.00	0.00	0.001	O	|	|	|	|	0.00

```
**************************HYDROGRAPH DATA**************************
             Number of intervals =  1377
             Time interval =    5.0 (Min.)
             Maximum/Peak flow rate =        0.949 (CFS)
             Total volume =       2.844 (Ac.Ft)
      Status of hydrographs being held in storage
                 Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
      Peak (CFS)      0.000     0.000     0.000     0.000     0.000
      Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
*******************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRF110.rte
**********HYDROGRAPH DATA**********
Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 37.908 (CFS)
Total volume = 1.001 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN F- ROUTING
10YR-1HRS

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.330	0.360	0.329	0.331
2.000	0.720	0.580	0.718	0.722
3.000	1.150	0.750	1.147	1.153
4.000	1.650	0.880	1.647	1.653
5.000	2.200	1.000	2.197	2.203
6.000	2.810	1.910	2.803	2.817
7.000	3.480	2.340	3.472	3.488
8.000	4.230	2.680	4.221	4.239
9.000	5.040	69.580	4.800	5.280

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 9.5 18.95 28.43 37.91	Depth (Ft.)
0.083	2.47	0.01	0.008	O I | | | | |	0.03
0.167	4.75	0.04	0.033	O I | | | | |	0.10

0.250	5.59	0.07	0.068	O	I	|	|	|	|	0.21
0.333	6.06	0.12	0.108	O	I	|	|	|	|	0.33
0.417	6.57	0.16	0.150	O	I	|	|	|	|	0.46
0.500	7.55	0.22	0.198	O	I	|	|	|	|	0.60
0.583	8.51	0.27	0.251	O	I	|	|	|	|	0.76
0.667	10.81	0.34	0.316	O	|	I	|	|	|	0.96
0.750	17.14	0.40	0.409	O	|	I	|	|	|	1.20
0.833	37.91	0.51	0.596	O	|	|	|	|	I	1.68
0.917	25.73	0.62	0.811	O	|	|	I	|	|	2.21
1.000	9.47	0.66	0.928	O	I	|	|	|	|	2.48
1.083	2.42	0.68	0.964	O	I	|	|	|	|	2.57
1.167	0.30	**0.68**	**0.969**	**O**	|	|	|	|	|	**2.58**
1.250	0.00	0.68	0.965	O	|	|	|	|	|	2.57
1.333	0.00	0.68	0.961	O	|	|	|	|	|	2.56
1.417	0.00	0.67	0.956	O	|	|	|	|	|	2.55
1.500	0.00	0.67	0.951	O	|	|	|	|	|	2.54
1.583	0.00	0.67	0.947	O	|	|	|	|	|	2.53
1.667	0.00	0.67	0.942	O	|	|	|	|	|	2.52
1.750	0.00	0.67	0.938	O	|	|	|	|	|	2.51
1.833	0.00	0.66	0.933	O	|	|	|	|	|	2.50
1.917	0.00	0.66	0.928	O	|	|	|	|	|	2.48
2.000	0.00	0.66	0.924	O	|	|	|	|	|	2.47
2.083	0.00	0.66	0.919	O	|	|	|	|	|	2.46
2.167	0.00	0.66	0.915	O	|	|	|	|	|	2.45
2.250	0.00	0.66	0.910	O	|	|	|	|	|	2.44
2.333	0.00	0.65	0.906	O	|	|	|	|	|	2.43
2.417	0.00	0.65	0.901	O	|	|	|	|	|	2.42
2.500	0.00	0.65	0.897	O	|	|	|	|	|	2.41
2.583	0.00	0.65	0.892	O	|	|	|	|	|	2.40
2.667	0.00	0.65	0.888	O	|	|	|	|	|	2.39
2.750	0.00	0.64	0.883	O	|	|	|	|	|	2.38
2.833	0.00	0.64	0.879	O	|	|	|	|	|	2.37
2.917	0.00	0.64	0.875	O	|	|	|	|	|	2.36
3.000	0.00	0.64	0.870	O	|	|	|	|	|	2.35
3.083	0.00	0.64	0.866	O	|	|	|	|	|	2.34
3.167	0.00	0.64	0.861	O	|	|	|	|	|	2.33
3.250	0.00	0.63	0.857	O	|	|	|	|	|	2.32
3.333	0.00	0.63	0.853	O	|	|	|	|	|	2.31
3.417	0.00	0.63	0.848	O	|	|	|	|	|	2.30
3.500	0.00	0.63	0.844	O	|	|	|	|	|	2.29
3.583	0.00	0.63	0.840	O	|	|	|	|	|	2.28
3.667	0.00	0.63	0.835	O	|	|	|	|	|	2.27
3.750	0.00	0.62	0.831	O	|	|	|	|	|	2.26
3.833	0.00	0.62	0.827	O	|	|	|	|	|	2.25
3.917	0.00	0.62	0.822	O	|	|	|	|	|	2.24
4.000	0.00	0.62	0.818	O	|	|	|	|	|	2.23
4.083	0.00	0.62	0.814	O	|	|	|	|	|	2.22
4.167	0.00	0.62	0.810	O	|	|	|	|	|	2.21
4.250	0.00	0.61	0.805	O	|	|	|	|	|	2.20
4.333	0.00	0.61	0.801	O	|	|	|	|	|	2.19
4.417	0.00	0.61	0.797	O	|	|	|	|	|	2.18
4.500	0.00	0.61	0.793	O	|	|	|	|	|	2.17
4.583	0.00	0.61	0.789	O	|	|	|	|	|	2.16
4.667	0.00	0.61	0.784	O	|	|	|	|	|	2.15
4.750	0.00	0.60	0.780	O	|	|	|	|	|	2.14
4.833	0.00	0.60	0.776	O	|	|	|	|	|	2.13
4.917	0.00	0.60	0.772	O	|	|	|	|	|	2.12
5.000	0.00	0.60	0.768	O	|	|	|	|	|	2.11
5.083	0.00	0.60	0.764	O	|	|	|	|	|	2.10
5.167	0.00	0.60	0.760	O	|	|	|	|	|	2.09
5.250	0.00	0.59	0.755	O	|	|	|	|	|	2.08
5.333	0.00	0.59	0.751	O	|	|	|	|	|	2.07
5.417	0.00	0.59	0.747	O	|	|	|	|	|	2.06
5.500	0.00	0.59	0.743	O	|	|	|	|	|	2.05
5.583	0.00	0.59	0.739	O	|	|	|	|	|	2.04
5.667	0.00	0.59	0.735	O	|	|	|	|	|	2.04
5.750	0.00	0.58	0.731	O	|	|	|	|	|	2.03

5.833	0.00	0.58	0.727	O	|	|	|	| 2.02
5.917	0.00	0.58	0.723	O	|	|	|	| 2.01
6.000	0.00	0.58	0.719	O	|	|	|	| 2.00
6.083	0.00	0.58	0.715	O	|	|	|	| 1.99
6.167	0.00	0.58	0.711	O	|	|	|	| 1.98
6.250	0.00	0.57	0.707	O	|	|	|	| 1.97
6.333	0.00	0.57	0.703	O	|	|	|	| 1.96
6.417	0.00	0.57	0.699	O	|	|	|	| 1.95
6.500	0.00	0.57	0.695	O	|	|	|	| 1.94
6.583	0.00	0.56	0.692	O	|	|	|	| 1.93
6.667	0.00	0.56	0.688	O	|	|	|	| 1.92
6.750	0.00	0.56	0.684	O	|	|	|	| 1.91
6.833	0.00	0.56	0.680	O	|	|	|	| 1.90
6.917	0.00	0.56	0.676	O	|	|	|	| 1.89
7.000	0.00	0.55	0.672	O	|	|	|	| 1.88
7.083	0.00	0.55	0.669	O	|	|	|	| 1.87
7.167	0.00	0.55	0.665	O	|	|	|	| 1.86
7.250	0.00	0.55	0.661	O	|	|	|	| 1.85
7.333	0.00	0.54	0.657	O	|	|	|	| 1.84
7.417	0.00	0.54	0.653	O	|	|	|	| 1.83
7.500	0.00	0.54	0.650	O	|	|	|	| 1.82
7.583	0.00	0.54	0.646	O	|	|	|	| 1.81
7.667	0.00	0.54	0.642	O	|	|	|	| 1.80
7.750	0.00	0.53	0.639	O	|	|	|	| 1.79
7.833	0.00	0.53	0.635	O	|	|	|	| 1.78
7.917	0.00	0.53	0.631	O	|	|	|	| 1.77
8.000	0.00	0.53	0.628	O	|	|	|	| 1.76
8.083	0.00	0.53	0.624	O	|	|	|	| 1.75
8.167	0.00	0.52	0.620	O	|	|	|	| 1.74
8.250	0.00	0.52	0.617	O	|	|	|	| 1.74
8.333	0.00	0.52	0.613	O	|	|	|	| 1.73
8.417	0.00	0.52	0.610	O	|	|	|	| 1.72
8.500	0.00	0.52	0.606	O	|	|	|	| 1.71
8.583	0.00	0.51	0.603	O	|	|	|	| 1.70
8.667	0.00	0.51	0.599	O	|	|	|	| 1.69
8.750	0.00	0.51	0.596	O	|	|	|	| 1.68
8.833	0.00	0.51	0.592	O	|	|	|	| 1.67
8.917	0.00	0.51	0.589	O	|	|	|	| 1.66
9.000	0.00	0.50	0.585	O	|	|	|	| 1.65
9.083	0.00	0.50	0.582	O	|	|	|	| 1.65
9.167	0.00	0.50	0.578	O	|	|	|	| 1.64
9.250	0.00	0.50	0.575	O	|	|	|	| 1.63
9.333	0.00	0.50	0.571	O	|	|	|	| 1.62
9.417	0.00	0.49	0.568	O	|	|	|	| 1.61
9.500	0.00	0.49	0.564	O	|	|	|	| 1.60
9.583	0.00	0.49	0.561	O	|	|	|	| 1.59
9.667	0.00	0.49	0.558	O	|	|	|	| 1.58
9.750	0.00	0.49	0.554	O	|	|	|	| 1.58
9.833	0.00	0.48	0.551	O	|	|	|	| 1.57
9.917	0.00	0.48	0.548	O	|	|	|	| 1.56
10.000	0.00	0.48	0.544	O	|	|	|	| 1.55
10.083	0.00	0.48	0.541	O	|	|	|	| 1.54
10.167	0.00	0.48	0.538	O	|	|	|	| 1.53
10.250	0.00	0.48	0.534	O	|	|	|	| 1.52
10.333	0.00	0.47	0.531	O	|	|	|	| 1.52
10.417	0.00	0.47	0.528	O	|	|	|	| 1.51
10.500	0.00	0.47	0.525	O	|	|	|	| 1.50
10.583	0.00	0.47	0.521	O	|	|	|	| 1.49
10.667	0.00	0.47	0.518	O	|	|	|	| 1.48
10.750	0.00	0.46	0.515	O	|	|	|	| 1.47
10.833	0.00	0.46	0.512	O	|	|	|	| 1.47
10.917	0.00	0.46	0.509	O	|	|	|	| 1.46
11.000	0.00	0.46	0.506	O	|	|	|	| 1.45
11.083	0.00	0.46	0.502	O	|	|	|	| 1.44
11.167	0.00	0.46	0.499	O	|	|	|	| 1.43
11.250	0.00	0.45	0.496	O	|	|	|	| 1.43
11.333	0.00	0.45	0.493	O	|	|	|	| 1.42

11.417	0.00	0.45	0.490	O	|	|	|	|	1.41
11.500	0.00	0.45	0.487	O	|	|	|	|	1.40
11.583	0.00	0.45	0.484	O	|	|	|	|	1.39
11.667	0.00	0.44	0.481	O	|	|	|	|	1.39
11.750	0.00	0.44	0.478	O	|	|	|	|	1.38
11.833	0.00	0.44	0.475	O	|	|	|	|	1.37
11.917	0.00	0.44	0.471	O	|	|	|	|	1.36
12.000	0.00	0.44	0.468	O	|	|	|	|	1.36
12.083	0.00	0.44	0.465	O	|	|	|	|	1.35
12.167	0.00	0.43	0.462	O	|	|	|	|	1.34
12.250	0.00	0.43	0.459	O	|	|	|	|	1.33
12.333	0.00	0.43	0.456	O	|	|	|	|	1.32
12.417	0.00	0.43	0.454	O	|	|	|	|	1.32
12.500	0.00	0.43	0.451	O	|	|	|	|	1.31
12.583	0.00	0.43	0.448	O	|	|	|	|	1.30
12.667	0.00	0.42	0.445	O	|	|	|	|	1.29
12.750	0.00	0.42	0.442	O	|	|	|	|	1.29
12.833	0.00	0.42	0.439	O	|	|	|	|	1.28
12.917	0.00	0.42	0.436	O	|	|	|	|	1.27
13.000	0.00	0.42	0.433	O	|	|	|	|	1.26
13.083	0.00	0.42	0.430	O	|	|	|	|	1.26
13.167	0.00	0.41	0.427	O	|	|	|	|	1.25
13.250	0.00	0.41	0.424	O	|	|	|	|	1.24
13.333	0.00	0.41	0.422	O	|	|	|	|	1.24
13.417	0.00	0.41	0.419	O	|	|	|	|	1.23
13.500	0.00	0.41	0.416	O	|	|	|	|	1.22
13.583	0.00	0.41	0.413	O	|	|	|	|	1.21
13.667	0.00	0.41	0.410	O	|	|	|	|	1.21
13.750	0.00	0.40	0.408	O	|	|	|	|	1.20
13.833	0.00	0.40	0.405	O	|	|	|	|	1.19
13.917	0.00	0.40	0.402	O	|	|	|	|	1.18
14.000	0.00	0.40	0.399	O	|	|	|	|	1.18
14.083	0.00	0.40	0.397	O	|	|	|	|	1.17
14.167	0.00	0.40	0.394	O	|	|	|	|	1.16
14.250	0.00	0.39	0.391	O	|	|	|	|	1.16
14.333	0.00	0.39	0.388	O	|	|	|	|	1.15
14.417	0.00	0.39	0.386	O	|	|	|	|	1.14
14.500	0.00	0.39	0.383	O	|	|	|	|	1.14
14.583	0.00	0.39	0.380	O	|	|	|	|	1.13
14.667	0.00	0.39	0.378	O	|	|	|	|	1.12
14.750	0.00	0.39	0.375	O	|	|	|	|	1.12
14.833	0.00	0.38	0.372	O	|	|	|	|	1.11
14.917	0.00	0.38	0.370	O	|	|	|	|	1.10
15.000	0.00	0.38	0.367	O	|	|	|	|	1.10
15.083	0.00	0.38	0.364	O	|	|	|	|	1.09
15.167	0.00	0.38	0.362	O	|	|	|	|	1.08
15.250	0.00	0.38	0.359	O	|	|	|	|	1.08
15.333	0.00	0.38	0.357	O	|	|	|	|	1.07
15.417	0.00	0.37	0.354	O	|	|	|	|	1.06
15.500	0.00	0.37	0.352	O	|	|	|	|	1.06
15.583	0.00	0.37	0.349	O	|	|	|	|	1.05
15.667	0.00	0.37	0.346	O	|	|	|	|	1.04
15.750	0.00	0.37	0.344	O	|	|	|	|	1.04
15.833	0.00	0.37	0.341	O	|	|	|	|	1.03
15.917	0.00	0.36	0.339	O	|	|	|	|	1.02
16.000	0.00	0.36	0.336	O	|	|	|	|	1.02
16.083	0.00	0.36	0.334	O	|	|	|	|	1.01
16.167	0.00	0.36	0.331	O	|	|	|	|	1.00
16.250	0.00	0.36	0.329	O	|	|	|	|	1.00
16.333	0.00	0.36	0.326	O	|	|	|	|	0.99
16.417	0.00	0.35	0.324	O	|	|	|	|	0.98
16.500	0.00	0.35	0.322	O	|	|	|	|	0.97
16.583	0.00	0.35	0.319	O	|	|	|	|	0.97
16.667	0.00	0.35	0.317	O	|	|	|	|	0.96
16.750	0.00	0.34	0.314	O	|	|	|	|	0.95
16.833	0.00	0.34	0.312	O	|	|	|	|	0.95
16.917	0.00	0.34	0.310	O	|	|	|	|	0.94

17.000	0.00	0.34	0.307	O	|	|	|	|	0.93
17.083	0.00	0.33	0.305	O	|	|	|	|	0.92
17.167	0.00	0.33	0.303	O	|	|	|	|	0.92
17.250	0.00	0.33	0.301	O	|	|	|	|	0.91
17.333	0.00	0.33	0.298	O	|	|	|	|	0.90
17.417	0.00	0.32	0.296	O	|	|	|	|	0.90
17.500	0.00	0.32	0.294	O	|	|	|	|	0.89
17.583	0.00	0.32	0.292	O	|	|	|	|	0.88
17.667	0.00	0.32	0.289	O	|	|	|	|	0.88
17.750	0.00	0.31	0.287	O	|	|	|	|	0.87
17.833	0.00	0.31	0.285	O	|	|	|	|	0.86
17.917	0.00	0.31	0.283	O	|	|	|	|	0.86
18.000	0.00	0.31	0.281	O	|	|	|	|	0.85
18.083	0.00	0.30	0.279	O	|	|	|	|	0.84
18.167	0.00	0.30	0.277	O	|	|	|	|	0.84
18.250	0.00	0.30	0.275	O	|	|	|	|	0.83
18.333	0.00	0.30	0.273	O	|	|	|	|	0.83
18.417	0.00	0.30	0.271	O	|	|	|	|	0.82
18.500	0.00	0.29	0.268	O	|	|	|	|	0.81
18.583	0.00	0.29	0.266	O	|	|	|	|	0.81
18.667	0.00	0.29	0.264	O	|	|	|	|	0.80
18.750	0.00	0.29	0.262	O	|	|	|	|	0.80
18.833	0.00	0.28	0.261	O	|	|	|	|	0.79
18.917	0.00	0.28	0.259	O	|	|	|	|	0.78
19.000	0.00	0.28	0.257	O	|	|	|	|	0.78
19.083	0.00	0.28	0.255	O	|	|	|	|	0.77
19.167	0.00	0.28	0.253	O	|	|	|	|	0.77
19.250	0.00	0.27	0.251	O	|	|	|	|	0.76
19.333	0.00	0.27	0.249	O	|	|	|	|	0.75
19.417	0.00	0.27	0.247	O	|	|	|	|	0.75
19.500	0.00	0.27	0.245	O	|	|	|	|	0.74
19.583	0.00	0.27	0.244	O	|	|	|	|	0.74
19.667	0.00	0.26	0.242	O	|	|	|	|	0.73
19.750	0.00	0.26	0.240	O	|	|	|	|	0.73
19.833	0.00	0.26	0.238	O	|	|	|	|	0.72
19.917	0.00	0.26	0.236	O	|	|	|	|	0.72
20.000	0.00	0.26	0.235	O	|	|	|	|	0.71
20.083	0.00	0.25	0.233	O	|	|	|	|	0.71
20.167	0.00	0.25	0.231	O	|	|	|	|	0.70
20.250	0.00	0.25	0.229	O	|	|	|	|	0.69
20.333	0.00	0.25	0.228	O	|	|	|	|	0.69
20.417	0.00	0.25	0.226	O	|	|	|	|	0.68
20.500	0.00	0.24	0.224	O	|	|	|	|	0.68
20.583	0.00	0.24	0.223	O	|	|	|	|	0.67
20.667	0.00	0.24	0.221	O	|	|	|	|	0.67
20.750	0.00	0.24	0.219	O	|	|	|	|	0.66
20.833	0.00	0.24	0.218	O	|	|	|	|	0.66
20.917	0.00	0.24	0.216	O	|	|	|	|	0.65
21.000	0.00	0.23	0.214	O	|	|	|	|	0.65
21.083	0.00	0.23	0.213	O	|	|	|	|	0.64
21.167	0.00	0.23	0.211	O	|	|	|	|	0.64
21.250	0.00	0.23	0.210	O	|	|	|	|	0.63
21.333	0.00	0.23	0.208	O	|	|	|	|	0.63
21.417	0.00	0.23	0.206	O	|	|	|	|	0.63
21.500	0.00	0.22	0.205	O	|	|	|	|	0.62
21.583	0.00	0.22	0.203	O	|	|	|	|	0.62
21.667	0.00	0.22	0.202	O	|	|	|	|	0.61
21.750	0.00	0.22	0.200	O	|	|	|	|	0.61
21.833	0.00	0.22	0.199	O	|	|	|	|	0.60
21.917	0.00	0.22	0.197	O	|	|	|	|	0.60
22.000	0.00	0.21	0.196	O	|	|	|	|	0.59
22.083	0.00	0.21	0.194	O	|	|	|	|	0.59
22.167	0.00	0.21	0.193	O	|	|	|	|	0.58
22.250	0.00	0.21	0.191	O	|	|	|	|	0.58
22.333	0.00	0.21	0.190	O	|	|	|	|	0.58
22.417	0.00	0.21	0.189	O	|	|	|	|	0.57
22.500	0.00	0.20	0.187	O	|	|	|	|	0.57

22.583	0.00	0.20	0.186	O	|	|	|	0.56
22.667	0.00	0.20	0.184	O	|	|	|	0.56
22.750	0.00	0.20	0.183	O	|	|	|	0.55
22.833	0.00	0.20	0.182	O	|	|	|	0.55
22.917	0.00	0.20	0.180	O	|	|	|	0.55
23.000	0.00	0.20	0.179	O	|	|	|	0.54
23.083	0.00	0.19	0.178	O	|	|	|	0.54
23.167	0.00	0.19	0.176	O	|	|	|	0.53
23.250	0.00	0.19	0.175	O	|	|	|	0.53
23.333	0.00	0.19	0.174	O	|	|	|	0.53
23.417	0.00	0.19	0.172	O	|	|	|	0.52
23.500	0.00	0.19	0.171	O	|	|	|	0.52
23.583	0.00	0.19	0.170	O	|	|	|	0.51
23.667	0.00	0.18	0.169	O	|	|	|	0.51
23.750	0.00	0.18	0.167	O	|	|	|	0.51
23.833	0.00	0.18	0.166	O	|	|	|	0.50
23.917	0.00	0.18	0.165	O	|	|	|	0.50
24.000	0.00	0.18	0.164	O	|	|	|	0.50
24.083	0.00	0.18	0.162	O	|	|	|	0.49
24.167	0.00	0.18	0.161	O	|	|	|	0.49
24.250	0.00	0.17	0.160	O	|	|	|	0.48
24.333	0.00	0.17	0.159	O	|	|	|	0.48
24.417	0.00	0.17	0.157	O	|	|	|	0.48
24.500	0.00	0.17	0.156	O	|	|	|	0.47
24.583	0.00	0.17	0.155	O	|	|	|	0.47
24.667	0.00	0.17	0.154	O	|	|	|	0.47
24.750	0.00	0.17	0.153	O	|	|	|	0.46
24.833	0.00	0.17	0.152	O	|	|	|	0.46
24.917	0.00	0.16	0.151	O	|	|	|	0.46
25.000	0.00	0.16	0.149	O	|	|	|	0.45
25.083	0.00	0.16	0.148	O	|	|	|	0.45
25.167	0.00	0.16	0.147	O	|	|	|	0.45
25.250	0.00	0.16	0.146	O	|	|	|	0.44
25.333	0.00	0.16	0.145	O	|	|	|	0.44
25.417	0.00	0.16	0.144	O	|	|	|	0.44
25.500	0.00	0.16	0.143	O	|	|	|	0.43
25.583	0.00	0.15	0.142	O	|	|	|	0.43
25.667	0.00	0.15	0.141	O	|	|	|	0.43
25.750	0.00	0.15	0.140	O	|	|	|	0.42
25.833	0.00	0.15	0.139	O	|	|	|	0.42
25.917	0.00	0.15	0.138	O	|	|	|	0.42
26.000	0.00	0.15	0.137	O	|	|	|	0.41
26.083	0.00	0.15	0.136	O	|	|	|	0.41
26.167	0.00	0.15	0.135	O	|	|	|	0.41
26.250	0.00	0.15	0.133	O	|	|	|	0.40
26.333	0.00	0.14	0.132	O	|	|	|	0.40
26.417	0.00	0.14	0.132	O	|	|	|	0.40
26.500	0.00	0.14	0.131	O	|	|	|	0.40
26.583	0.00	0.14	0.130	O	|	|	|	0.39
26.667	0.00	0.14	0.129	O	|	|	|	0.39
26.750	0.00	0.14	0.128	O	|	|	|	0.39
26.833	0.00	0.14	0.127	O	|	|	|	0.38
26.917	0.00	0.14	0.126	O	|	|	|	0.38
27.000	0.00	0.14	0.125	O	|	|	|	0.38
27.083	0.00	0.14	0.124	O	|	|	|	0.38
27.167	0.00	0.13	0.123	O	|	|	|	0.37
27.250	0.00	0.13	0.122	O	|	|	|	0.37
27.333	0.00	0.13	0.121	O	|	|	|	0.37
27.417	0.00	0.13	0.120	O	|	|	|	0.36
27.500	0.00	0.13	0.119	O	|	|	|	0.36
27.583	0.00	0.13	0.118	O	|	|	|	0.36
27.667	0.00	0.13	0.117	O	|	|	|	0.36
27.750	0.00	0.13	0.117	O	|	|	|	0.35
27.833	0.00	0.13	0.116	O	|	|	|	0.35
27.917	0.00	0.13	0.115	O	|	|	|	0.35
28.000	0.00	0.12	0.114	O	|	|	|	0.35
28.083	0.00	0.12	0.113	O	|	|	|	0.34

28.167	0.00	0.12	0.112	O	|	|	|	|	0.34
28.250	0.00	0.12	0.111	O	|	|	|	|	0.34
28.333	0.00	0.12	0.111	O	|	|	|	|	0.34
28.417	0.00	0.12	0.110	O	|	|	|	|	0.33
28.500	0.00	0.12	0.109	O	|	|	|	|	0.33
28.583	0.00	0.12	0.108	O	|	|	|	|	0.33
28.667	0.00	0.12	0.107	O	|	|	|	|	0.33
28.750	0.00	0.12	0.107	O	|	|	|	|	0.32
28.833	0.00	0.12	0.106	O	|	|	|	|	0.32
28.917	0.00	0.11	0.105	O	|	|	|	|	0.32
29.000	0.00	0.11	0.104	O	|	|	|	|	0.32
29.083	0.00	0.11	0.103	O	|	|	|	|	0.31
29.167	0.00	0.11	0.103	O	|	|	|	|	0.31
29.250	0.00	0.11	0.102	O	|	|	|	|	0.31
29.333	0.00	0.11	0.101	O	|	|	|	|	0.31
29.417	0.00	0.11	0.100	O	|	|	|	|	0.30
29.500	0.00	0.11	0.100	O	|	|	|	|	0.30
29.583	0.00	0.11	0.099	O	|	|	|	|	0.30
29.667	0.00	0.11	0.098	O	|	|	|	|	0.30
29.750	0.00	0.11	0.097	O	|	|	|	|	0.30
29.833	0.00	0.11	0.097	O	|	|	|	|	0.29
29.917	0.00	0.10	0.096	O	|	|	|	|	0.29
30.000	0.00	0.10	0.095	O	|	|	|	|	0.29
30.083	0.00	0.10	0.094	O	|	|	|	|	0.29
30.167	0.00	0.10	0.094	O	|	|	|	|	0.28
30.250	0.00	0.10	0.093	O	|	|	|	|	0.28
30.333	0.00	0.10	0.092	O	|	|	|	|	0.28
30.417	0.00	0.10	0.092	O	|	|	|	|	0.28
30.500	0.00	0.10	0.091	O	|	|	|	|	0.28
30.583	0.00	0.10	0.090	O	|	|	|	|	0.27
30.667	0.00	0.10	0.090	O	|	|	|	|	0.27
30.750	0.00	0.10	0.089	O	|	|	|	|	0.27
30.833	0.00	0.10	0.088	O	|	|	|	|	0.27
30.917	0.00	0.10	0.088	O	|	|	|	|	0.27
31.000	0.00	0.09	0.087	O	|	|	|	|	0.26
31.083	0.00	0.09	0.086	O	|	|	|	|	0.26
31.167	0.00	0.09	0.086	O	|	|	|	|	0.26
31.250	0.00	0.09	0.085	O	|	|	|	|	0.26
31.333	0.00	0.09	0.084	O	|	|	|	|	0.26
31.417	0.00	0.09	0.084	O	|	|	|	|	0.25
31.500	0.00	0.09	0.083	O	|	|	|	|	0.25
31.583	0.00	0.09	0.083	O	|	|	|	|	0.25
31.667	0.00	0.09	0.082	O	|	|	|	|	0.25
31.750	0.00	0.09	0.081	O	|	|	|	|	0.25
31.833	0.00	0.09	0.081	O	|	|	|	|	0.24
31.917	0.00	0.09	0.080	O	|	|	|	|	0.24
32.000	0.00	0.09	0.079	O	|	|	|	|	0.24
32.083	0.00	0.09	0.079	O	|	|	|	|	0.24
32.167	0.00	0.09	0.078	O	|	|	|	|	0.24
32.250	0.00	0.08	0.078	O	|	|	|	|	0.24
32.333	0.00	0.08	0.077	O	|	|	|	|	0.23
32.417	0.00	0.08	0.077	O	|	|	|	|	0.23
32.500	0.00	0.08	0.076	O	|	|	|	|	0.23
32.583	0.00	0.08	0.075	O	|	|	|	|	0.23
32.667	0.00	0.08	0.075	O	|	|	|	|	0.23
32.750	0.00	0.08	0.074	O	|	|	|	|	0.23
32.833	0.00	0.08	0.074	O	|	|	|	|	0.22
32.917	0.00	0.08	0.073	O	|	|	|	|	0.22
33.000	0.00	0.08	0.073	O	|	|	|	|	0.22
33.083	0.00	0.08	0.072	O	|	|	|	|	0.22
33.167	0.00	0.08	0.072	O	|	|	|	|	0.22
33.250	0.00	0.08	0.071	O	|	|	|	|	0.22
33.333	0.00	0.08	0.070	O	|	|	|	|	0.21
33.417	0.00	0.08	0.070	O	|	|	|	|	0.21
33.500	0.00	0.08	0.069	O	|	|	|	|	0.21
33.583	0.00	0.08	0.069	O	|	|	|	|	0.21
33.667	0.00	0.07	0.068	O	|	|	|	|	0.21

33.750	0.00	0.07	0.068	O	|	|	|	0.21
33.833	0.00	0.07	0.067	O	|	|	|	0.20
33.917	0.00	0.07	0.067	O	|	|	|	0.20
34.000	0.00	0.07	0.066	O	|	|	|	0.20
34.083	0.00	0.07	0.066	O	|	|	|	0.20
34.167	0.00	0.07	0.065	O	|	|	|	0.20
34.250	0.00	0.07	0.065	O	|	|	|	0.20
34.333	0.00	0.07	0.064	O	|	|	|	0.20
34.417	0.00	0.07	0.064	O	|	|	|	0.19
34.500	0.00	0.07	0.063	O	|	|	|	0.19
34.583	0.00	0.07	0.063	O	|	|	|	0.19
34.667	0.00	0.07	0.063	O	|	|	|	0.19
34.750	0.00	0.07	0.062	O	|	|	|	0.19
34.833	0.00	0.07	0.062	O	|	|	|	0.19
34.917	0.00	0.07	0.061	O	|	|	|	0.19
35.000	0.00	0.07	0.061	O	|	|	|	0.18
35.083	0.00	0.07	0.060	O	|	|	|	0.18
35.167	0.00	0.07	0.060	O	|	|	|	0.18
35.250	0.00	0.06	0.059	O	|	|	|	0.18
35.333	0.00	0.06	0.059	O	|	|	|	0.18
35.417	0.00	0.06	0.058	O	|	|	|	0.18
35.500	0.00	0.06	0.058	O	|	|	|	0.18
35.583	0.00	0.06	0.058	O	|	|	|	0.17
35.667	0.00	0.06	0.057	O	|	|	|	0.17
35.750	0.00	0.06	0.057	O	|	|	|	0.17
35.833	0.00	0.06	0.056	O	|	|	|	0.17
35.917	0.00	0.06	0.056	O	|	|	|	0.17
36.000	0.00	0.06	0.055	O	|	|	|	0.17
36.083	0.00	0.06	0.055	O	|	|	|	0.17
36.167	0.00	0.06	0.055	O	|	|	|	0.17
36.250	0.00	0.06	0.054	O	|	|	|	0.16
36.333	0.00	0.06	0.054	O	|	|	|	0.16
36.417	0.00	0.06	0.053	O	|	|	|	0.16
36.500	0.00	0.06	0.053	O	|	|	|	0.16
36.583	0.00	0.06	0.053	O	|	|	|	0.16
36.667	0.00	0.06	0.052	O	|	|	|	0.16
36.750	0.00	0.06	0.052	O	|	|	|	0.16
36.833	0.00	0.06	0.051	O	|	|	|	0.16
36.917	0.00	0.06	0.051	O	|	|	|	0.15
37.000	0.00	0.06	0.051	O	|	|	|	0.15
37.083	0.00	0.05	0.050	O	|	|	|	0.15
37.167	0.00	0.05	0.050	O	|	|	|	0.15
37.250	0.00	0.05	0.050	O	|	|	|	0.15
37.333	0.00	0.05	0.049	O	|	|	|	0.15
37.417	0.00	0.05	0.049	O	|	|	|	0.15
37.500	0.00	0.05	0.048	O	|	|	|	0.15
37.583	0.00	0.05	0.048	O	|	|	|	0.15
37.667	0.00	0.05	0.048	O	|	|	|	0.14
37.750	0.00	0.05	0.047	O	|	|	|	0.14
37.833	0.00	0.05	0.047	O	|	|	|	0.14
37.917	0.00	0.05	0.047	O	|	|	|	0.14
38.000	0.00	0.05	0.046	O	|	|	|	0.14
38.083	0.00	0.05	0.046	O	|	|	|	0.14
38.167	0.00	0.05	0.046	O	|	|	|	0.14
38.250	0.00	0.05	0.045	O	|	|	|	0.14
38.333	0.00	0.05	0.045	O	|	|	|	0.14
38.417	0.00	0.05	0.045	O	|	|	|	0.14
38.500	0.00	0.05	0.044	O	|	|	|	0.13
38.583	0.00	0.05	0.044	O	|	|	|	0.13
38.667	0.00	0.05	0.044	O	|	|	|	0.13
38.750	0.00	0.05	0.043	O	|	|	|	0.13
38.833	0.00	0.05	0.043	O	|	|	|	0.13
38.917	0.00	0.05	0.043	O	|	|	|	0.13
39.000	0.00	0.05	0.042	O	|	|	|	0.13
39.083	0.00	0.05	0.042	O	|	|	|	0.13
39.167	0.00	0.05	0.042	O	|	|	|	0.13
39.250	0.00	0.05	0.041	O	|	|	|	0.13

39.333	0.00	0.04	0.041	O	|	|	|	|	0.12
39.417	0.00	0.04	0.041	O	|	|	|	|	0.12
39.500	0.00	0.04	0.040	O	|	|	|	|	0.12
39.583	0.00	0.04	0.040	O	|	|	|	|	0.12
39.667	0.00	0.04	0.040	O	|	|	|	|	0.12
39.750	0.00	0.04	0.040	O	|	|	|	|	0.12
39.833	0.00	0.04	0.039	O	|	|	|	|	0.12
39.917	0.00	0.04	0.039	O	|	|	|	|	0.12
40.000	0.00	0.04	0.039	O	|	|	|	|	0.12
40.083	0.00	0.04	0.038	O	|	|	|	|	0.12
40.167	0.00	0.04	0.038	O	|	|	|	|	0.12
40.250	0.00	0.04	0.038	O	|	|	|	|	0.11
40.333	0.00	0.04	0.037	O	|	|	|	|	0.11
40.417	0.00	0.04	0.037	O	|	|	|	|	0.11
40.500	0.00	0.04	0.037	O	|	|	|	|	0.11
40.583	0.00	0.04	0.037	O	|	|	|	|	0.11
40.667	0.00	0.04	0.036	O	|	|	|	|	0.11
40.750	0.00	0.04	0.036	O	|	|	|	|	0.11
40.833	0.00	0.04	0.036	O	|	|	|	|	0.11
40.917	0.00	0.04	0.036	O	|	|	|	|	0.11
41.000	0.00	0.04	0.035	O	|	|	|	|	0.11
41.083	0.00	0.04	0.035	O	|	|	|	|	0.11
41.167	0.00	0.04	0.035	O	|	|	|	|	0.11
41.250	0.00	0.04	0.035	O	|	|	|	|	0.10
41.333	0.00	0.04	0.034	O	|	|	|	|	0.10
41.417	0.00	0.04	0.034	O	|	|	|	|	0.10
41.500	0.00	0.04	0.034	O	|	|	|	|	0.10
41.583	0.00	0.04	0.034	O	|	|	|	|	0.10
41.667	0.00	0.04	0.033	O	|	|	|	|	0.10
41.750	0.00	0.04	0.033	O	|	|	|	|	0.10
41.833	0.00	0.04	0.033	O	|	|	|	|	0.10
41.917	0.00	0.04	0.033	O	|	|	|	|	0.10
42.000	0.00	0.04	0.032	O	|	|	|	|	0.10
42.083	0.00	0.03	0.032	O	|	|	|	|	0.10
42.167	0.00	0.03	0.032	O	|	|	|	|	0.10
42.250	0.00	0.03	0.032	O	|	|	|	|	0.10
42.333	0.00	0.03	0.031	O	|	|	|	|	0.09
42.417	0.00	0.03	0.031	O	|	|	|	|	0.09
42.500	0.00	0.03	0.031	O	|	|	|	|	0.09
42.583	0.00	0.03	0.031	O	|	|	|	|	0.09
42.667	0.00	0.03	0.030	O	|	|	|	|	0.09
42.750	0.00	0.03	0.030	O	|	|	|	|	0.09
42.833	0.00	0.03	0.030	O	|	|	|	|	0.09
42.917	0.00	0.03	0.030	O	|	|	|	|	0.09
43.000	0.00	0.03	0.029	O	|	|	|	|	0.09
43.083	0.00	0.03	0.029	O	|	|	|	|	0.09
43.167	0.00	0.03	0.029	O	|	|	|	|	0.09
43.250	0.00	0.03	0.029	O	|	|	|	|	0.09
43.333	0.00	0.03	0.029	O	|	|	|	|	0.09
43.417	0.00	0.03	0.028	O	|	|	|	|	0.09
43.500	0.00	0.03	0.028	O	|	|	|	|	0.09
43.583	0.00	0.03	0.028	O	|	|	|	|	0.08
43.667	0.00	0.03	0.028	O	|	|	|	|	0.08
43.750	0.00	0.03	0.028	O	|	|	|	|	0.08
43.833	0.00	0.03	0.027	O	|	|	|	|	0.08
43.917	0.00	0.03	0.027	O	|	|	|	|	0.08
44.000	0.00	0.03	0.027	O	|	|	|	|	0.08
44.083	0.00	0.03	0.027	O	|	|	|	|	0.08
44.167	0.00	0.03	0.027	O	|	|	|	|	0.08
44.250	0.00	0.03	0.026	O	|	|	|	|	0.08
44.333	0.00	0.03	0.026	O	|	|	|	|	0.08
44.417	0.00	0.03	0.026	O	|	|	|	|	0.08
44.500	0.00	0.03	0.026	O	|	|	|	|	0.08
44.583	0.00	0.03	0.026	O	|	|	|	|	0.08
44.667	0.00	0.03	0.025	O	|	|	|	|	0.08
44.750	0.00	0.03	0.025	O	|	|	|	|	0.08
44.833	0.00	0.03	0.025	O	|	|	|	|	0.08

44.917	0.00	0.03	0.025	O	|	|	|	|	0.08
45.000	0.00	0.03	0.025	O	|	|	|	|	0.07
45.083	0.00	0.03	0.024	O	|	|	|	|	0.07
45.167	0.00	0.03	0.024	O	|	|	|	|	0.07
45.250	0.00	0.03	0.024	O	|	|	|	|	0.07
45.333	0.00	0.03	0.024	O	|	|	|	|	0.07
45.417	0.00	0.03	0.024	O	|	|	|	|	0.07
45.500	0.00	0.03	0.024	O	|	|	|	|	0.07
45.583	0.00	0.03	0.023	O	|	|	|	|	0.07
45.667	0.00	0.03	0.023	O	|	|	|	|	0.07
45.750	0.00	0.03	0.023	O	|	|	|	|	0.07
45.833	0.00	0.02	0.023	O	|	|	|	|	0.07
45.917	0.00	0.02	0.023	O	|	|	|	|	0.07
46.000	0.00	0.02	0.022	O	|	|	|	|	0.07
46.083	0.00	0.02	0.022	O	|	|	|	|	0.07
46.167	0.00	0.02	0.022	O	|	|	|	|	0.07
46.250	0.00	0.02	0.022	O	|	|	|	|	0.07
46.333	0.00	0.02	0.022	O	|	|	|	|	0.07
46.417	0.00	0.02	0.022	O	|	|	|	|	0.07
46.500	0.00	0.02	0.022	O	|	|	|	|	0.07
46.583	0.00	0.02	0.021	O	|	|	|	|	0.06
46.667	0.00	0.02	0.021	O	|	|	|	|	0.06
46.750	0.00	0.02	0.021	O	|	|	|	|	0.06
46.833	0.00	0.02	0.021	O	|	|	|	|	0.06
46.917	0.00	0.02	0.021	O	|	|	|	|	0.06
47.000	0.00	0.02	0.021	O	|	|	|	|	0.06
47.083	0.00	0.02	0.020	O	|	|	|	|	0.06
47.167	0.00	0.02	0.020	O	|	|	|	|	0.06
47.250	0.00	0.02	0.020	O	|	|	|	|	0.06
47.333	0.00	0.02	0.020	O	|	|	|	|	0.06
47.417	0.00	0.02	0.020	O	|	|	|	|	0.06
47.500	0.00	0.02	0.020	O	|	|	|	|	0.06
47.583	0.00	0.02	0.020	O	|	|	|	|	0.06
47.667	0.00	0.02	0.019	O	|	|	|	|	0.06
47.750	0.00	0.02	0.019	O	|	|	|	|	0.06
47.833	0.00	0.02	0.019	O	|	|	|	|	0.06
47.917	0.00	0.02	0.019	O	|	|	|	|	0.06
48.000	0.00	0.02	0.019	O	|	|	|	|	0.06
48.083	0.00	0.02	0.019	O	|	|	|	|	0.06
48.167	0.00	0.02	0.019	O	|	|	|	|	0.06
48.250	0.00	0.02	0.018	O	|	|	|	|	0.06
48.333	0.00	0.02	0.018	O	|	|	|	|	0.06
48.417	0.00	0.02	0.018	O	|	|	|	|	0.05
48.500	0.00	0.02	0.018	O	|	|	|	|	0.05
48.583	0.00	0.02	0.018	O	|	|	|	|	0.05
48.667	0.00	0.02	0.018	O	|	|	|	|	0.05
48.750	0.00	0.02	0.018	O	|	|	|	|	0.05
48.833	0.00	0.02	0.017	O	|	|	|	|	0.05
48.917	0.00	0.02	0.017	O	|	|	|	|	0.05
49.000	0.00	0.02	0.017	O	|	|	|	|	0.05
49.083	0.00	0.02	0.017	O	|	|	|	|	0.05
49.167	0.00	0.02	0.017	O	|	|	|	|	0.05
49.250	0.00	0.02	0.017	O	|	|	|	|	0.05
49.333	0.00	0.02	0.017	O	|	|	|	|	0.05
49.417	0.00	0.02	0.017	O	|	|	|	|	0.05
49.500	0.00	0.02	0.016	O	|	|	|	|	0.05
49.583	0.00	0.02	0.016	O	|	|	|	|	0.05
49.667	0.00	0.02	0.016	O	|	|	|	|	0.05
49.750	0.00	0.02	0.016	O	|	|	|	|	0.05
49.833	0.00	0.02	0.016	O	|	|	|	|	0.05
49.917	0.00	0.02	0.016	O	|	|	|	|	0.05
50.000	0.00	0.02	0.016	O	|	|	|	|	0.05
50.083	0.00	0.02	0.016	O	|	|	|	|	0.05
50.167	0.00	0.02	0.015	O	|	|	|	|	0.05
50.250	0.00	0.02	0.015	O	|	|	|	|	0.05
50.333	0.00	0.02	0.015	O	|	|	|	|	0.05
50.417	0.00	0.02	0.015	O	|	|	|	|	0.05

50.500	0.00	0.02	0.015	O	|	|	|	0.05
50.583	0.00	0.02	0.015	O	|	|	|	0.05
50.667	0.00	0.02	0.015	O	|	|	|	0.04
50.750	0.00	0.02	0.015	O	|	|	|	0.04
50.833	0.00	0.02	0.015	O	|	|	|	0.04
50.917	0.00	0.02	0.014	O	|	|	|	0.04
51.000	0.00	0.02	0.014	O	|	|	|	0.04
51.083	0.00	0.02	0.014	O	|	|	|	0.04
51.167	0.00	0.02	0.014	O	|	|	|	0.04
51.250	0.00	0.02	0.014	O	|	|	|	0.04
51.333	0.00	0.02	0.014	O	|	|	|	0.04
51.417	0.00	0.02	0.014	O	|	|	|	0.04
51.500	0.00	0.01	0.014	O	|	|	|	0.04
51.583	0.00	0.01	0.014	O	|	|	|	0.04
51.667	0.00	0.01	0.013	O	|	|	|	0.04
51.750	0.00	0.01	0.013	O	|	|	|	0.04
51.833	0.00	0.01	0.013	O	|	|	|	0.04
51.917	0.00	0.01	0.013	O	|	|	|	0.04
52.000	0.00	0.01	0.013	O	|	|	|	0.04
52.083	0.00	0.01	0.013	O	|	|	|	0.04
52.167	0.00	0.01	0.013	O	|	|	|	0.04
52.250	0.00	0.01	0.013	O	|	|	|	0.04
52.333	0.00	0.01	0.013	O	|	|	|	0.04
52.417	0.00	0.01	0.013	O	|	|	|	0.04
52.500	0.00	0.01	0.013	O	|	|	|	0.04
52.583	0.00	0.01	0.012	O	|	|	|	0.04
52.667	0.00	0.01	0.012	O	|	|	|	0.04
52.750	0.00	0.01	0.012	O	|	|	|	0.04
52.833	0.00	0.01	0.012	O	|	|	|	0.04
52.917	0.00	0.01	0.012	O	|	|	|	0.04
53.000	0.00	0.01	0.012	O	|	|	|	0.04
53.083	0.00	0.01	0.012	O	|	|	|	0.04
53.167	0.00	0.01	0.012	O	|	|	|	0.04
53.250	0.00	0.01	0.012	O	|	|	|	0.04
53.333	0.00	0.01	0.012	O	|	|	|	0.04
53.417	0.00	0.01	0.012	O	|	|	|	0.03
53.500	0.00	0.01	0.011	O	|	|	|	0.03
53.583	0.00	0.01	0.011	O	|	|	|	0.03
53.667	0.00	0.01	0.011	O	|	|	|	0.03
53.750	0.00	0.01	0.011	O	|	|	|	0.03
53.833	0.00	0.01	0.011	O	|	|	|	0.03
53.917	0.00	0.01	0.011	O	|	|	|	0.03
54.000	0.00	0.01	0.011	O	|	|	|	0.03
54.083	0.00	0.01	0.011	O	|	|	|	0.03
54.167	0.00	0.01	0.011	O	|	|	|	0.03
54.250	0.00	0.01	0.011	O	|	|	|	0.03
54.333	0.00	0.01	0.011	O	|	|	|	0.03
54.417	0.00	0.01	0.011	O	|	|	|	0.03
54.500	0.00	0.01	0.010	O	|	|	|	0.03
54.583	0.00	0.01	0.010	O	|	|	|	0.03
54.667	0.00	0.01	0.010	O	|	|	|	0.03
54.750	0.00	0.01	0.010	O	|	|	|	0.03
54.833	0.00	0.01	0.010	O	|	|	|	0.03
54.917	0.00	0.01	0.010	O	|	|	|	0.03
55.000	0.00	0.01	0.010	O	|	|	|	0.03
55.083	0.00	0.01	0.010	O	|	|	|	0.03
55.167	0.00	0.01	0.010	O	|	|	|	0.03
55.250	0.00	0.01	0.010	O	|	|	|	0.03
55.333	0.00	0.01	0.010	O	|	|	|	0.03
55.417	0.00	0.01	0.010	O	|	|	|	0.03
55.500	0.00	0.01	0.010	O	|	|	|	0.03
55.583	0.00	0.01	0.009	O	|	|	|	0.03
55.667	0.00	0.01	0.009	O	|	|	|	0.03
55.750	0.00	0.01	0.009	O	|	|	|	0.03
55.833	0.00	0.01	0.009	O	|	|	|	0.03
55.917	0.00	0.01	0.009	O	|	|	|	0.03
56.000	0.00	0.01	0.009	O	|	|	|	0.03

56.083	0.00	0.01	0.009	O	|	|	|	|	0.03
56.167	0.00	0.01	0.009	O	|	|	|	|	0.03
56.250	0.00	0.01	0.009	O	|	|	|	|	0.03
56.333	0.00	0.01	0.009	O	|	|	|	|	0.03
56.417	0.00	0.01	0.009	O	|	|	|	|	0.03
56.500	0.00	0.01	0.009	O	|	|	|	|	0.03
56.583	0.00	0.01	0.009	O	|	|	|	|	0.03
56.667	0.00	0.01	0.009	O	|	|	|	|	0.03
56.750	0.00	0.01	0.009	O	|	|	|	|	0.03
56.833	0.00	0.01	0.008	O	|	|	|	|	0.03
56.917	0.00	0.01	0.008	O	|	|	|	|	0.03
57.000	0.00	0.01	0.008	O	|	|	|	|	0.03
57.083	0.00	0.01	0.008	O	|	|	|	|	0.03
57.167	0.00	0.01	0.008	O	|	|	|	|	0.02
57.250	0.00	0.01	0.008	O	|	|	|	|	0.02
57.333	0.00	0.01	0.008	O	|	|	|	|	0.02
57.417	0.00	0.01	0.008	O	|	|	|	|	0.02
57.500	0.00	0.01	0.008	O	|	|	|	|	0.02
57.583	0.00	0.01	0.008	O	|	|	|	|	0.02
57.667	0.00	0.01	0.008	O	|	|	|	|	0.02
57.750	0.00	0.01	0.008	O	|	|	|	|	0.02
57.833	0.00	0.01	0.008	O	|	|	|	|	0.02
57.917	0.00	0.01	0.008	O	|	|	|	|	0.02
58.000	0.00	0.01	0.008	O	|	|	|	|	0.02
58.083	0.00	0.01	0.008	O	|	|	|	|	0.02
58.167	0.00	0.01	0.008	O	|	|	|	|	0.02
58.250	0.00	0.01	0.007	O	|	|	|	|	0.02
58.333	0.00	0.01	0.007	O	|	|	|	|	0.02
58.417	0.00	0.01	0.007	O	|	|	|	|	0.02
58.500	0.00	0.01	0.007	O	|	|	|	|	0.02
58.583	0.00	0.01	0.007	O	|	|	|	|	0.02
58.667	0.00	0.01	0.007	O	|	|	|	|	0.02
58.750	0.00	0.01	0.007	O	|	|	|	|	0.02
58.833	0.00	0.01	0.007	O	|	|	|	|	0.02
58.917	0.00	0.01	0.007	O	|	|	|	|	0.02
59.000	0.00	0.01	0.007	O	|	|	|	|	0.02
59.083	0.00	0.01	0.007	O	|	|	|	|	0.02
59.167	0.00	0.01	0.007	O	|	|	|	|	0.02
59.250	0.00	0.01	0.007	O	|	|	|	|	0.02
59.333	0.00	0.01	0.007	O	|	|	|	|	0.02
59.417	0.00	0.01	0.007	O	|	|	|	|	0.02
59.500	0.00	0.01	0.007	O	|	|	|	|	0.02
59.583	0.00	0.01	0.007	O	|	|	|	|	0.02
59.667	0.00	0.01	0.007	O	|	|	|	|	0.02
59.750	0.00	0.01	0.007	O	|	|	|	|	0.02
59.833	0.00	0.01	0.006	O	|	|	|	|	0.02
59.917	0.00	0.01	0.006	O	|	|	|	|	0.02
60.000	0.00	0.01	0.006	O	|	|	|	|	0.02
60.083	0.00	0.01	0.006	O	|	|	|	|	0.02
60.167	0.00	0.01	0.006	O	|	|	|	|	0.02
60.250	0.00	0.01	0.006	O	|	|	|	|	0.02
60.333	0.00	0.01	0.006	O	|	|	|	|	0.02
60.417	0.00	0.01	0.006	O	|	|	|	|	0.02
60.500	0.00	0.01	0.006	O	|	|	|	|	0.02
60.583	0.00	0.01	0.006	O	|	|	|	|	0.02
60.667	0.00	0.01	0.006	O	|	|	|	|	0.02
60.750	0.00	0.01	0.006	O	|	|	|	|	0.02
60.833	0.00	0.01	0.006	O	|	|	|	|	0.02
60.917	0.00	0.01	0.006	O	|	|	|	|	0.02
61.000	0.00	0.01	0.006	O	|	|	|	|	0.02
61.083	0.00	0.01	0.006	O	|	|	|	|	0.02
61.167	0.00	0.01	0.006	O	|	|	|	|	0.02
61.250	0.00	0.01	0.006	O	|	|	|	|	0.02
61.333	0.00	0.01	0.006	O	|	|	|	|	0.02
61.417	0.00	0.01	0.006	O	|	|	|	|	0.02
61.500	0.00	0.01	0.006	O	|	|	|	|	0.02
61.583	0.00	0.01	0.006	O	|	|	|	|	0.02

61.667	0.00	0.01	0.005	O					0.02
61.750	0.00	0.01	0.005	O					0.02
61.833	0.00	0.01	0.005	O					0.02
61.917	0.00	0.01	0.005	O					0.02
62.000	0.00	0.01	0.005	O					0.02
62.083	0.00	0.01	0.005	O					0.02
62.167	0.00	0.01	0.005	O					0.02
62.250	0.00	0.01	0.005	O					0.02
62.333	0.00	0.01	0.005	O					0.02
62.417	0.00	0.01	0.005	O					0.02
62.500	0.00	0.01	0.005	O					0.02
62.583	0.00	0.01	0.005	O					0.02
62.667	0.00	0.01	0.005	O					0.02
62.750	0.00	0.01	0.005	O					0.02
62.833	0.00	0.01	0.005	O					0.01
62.917	0.00	0.01	0.005	O					0.01
63.000	0.00	0.01	0.005	O					0.01
63.083	0.00	0.01	0.005	O					0.01
63.167	0.00	0.01	0.005	O					0.01
63.250	0.00	0.01	0.005	O					0.01
63.333	0.00	0.01	0.005	O					0.01
63.417	0.00	0.01	0.005	O					0.01
63.500	0.00	0.01	0.005	O					0.01
63.583	0.00	0.01	0.005	O					0.01
63.667	0.00	0.00	0.005	O					0.01
63.750	0.00	0.00	0.005	O					0.01
63.833	0.00	0.00	0.005	O					0.01
63.917	0.00	0.00	0.004	O					0.01
64.000	0.00	0.00	0.004	O					0.01
64.083	0.00	0.00	0.004	O					0.01
64.167	0.00	0.00	0.004	O					0.01
64.250	0.00	0.00	0.004	O					0.01
64.333	0.00	0.00	0.004	O					0.01
64.417	0.00	0.00	0.004	O					0.01
64.500	0.00	0.00	0.004	O					0.01
64.583	0.00	0.00	0.004	O					0.01
64.667	0.00	0.00	0.004	O					0.01
64.750	0.00	0.00	0.004	O					0.01
64.833	0.00	0.00	0.004	O					0.01
64.917	0.00	0.00	0.004	O					0.01
65.000	0.00	0.00	0.004	O					0.01
65.083	0.00	0.00	0.004	O					0.01
65.167	0.00	0.00	0.004	O					0.01
65.250	0.00	0.00	0.004	O					0.01
65.333	0.00	0.00	0.004	O					0.01
65.417	0.00	0.00	0.004	O					0.01
65.500	0.00	0.00	0.004	O					0.01
65.583	0.00	0.00	0.004	O					0.01
65.667	0.00	0.00	0.004	O					0.01
65.750	0.00	0.00	0.004	O					0.01
65.833	0.00	0.00	0.004	O					0.01
65.917	0.00	0.00	0.004	O					0.01
66.000	0.00	0.00	0.004	O					0.01
66.083	0.00	0.00	0.004	O					0.01
66.167	0.00	0.00	0.004	O					0.01
66.250	0.00	0.00	0.004	O					0.01
66.333	0.00	0.00	0.004	O					0.01
66.417	0.00	0.00	0.004	O					0.01
66.500	0.00	0.00	0.004	O					0.01
66.583	0.00	0.00	0.004	O					0.01
66.667	0.00	0.00	0.003	O					0.01
66.750	0.00	0.00	0.003	O					0.01
66.833	0.00	0.00	0.003	O					0.01
66.917	0.00	0.00	0.003	O					0.01
67.000	0.00	0.00	0.003	O					0.01
67.083	0.00	0.00	0.003	O					0.01
67.167	0.00	0.00	0.003	O					0.01

67.250	0.00	0.00	0.003	O	|	|	|	0.01
67.333	0.00	0.00	0.003	O	|	|	|	0.01
67.417	0.00	0.00	0.003	O	|	|	|	0.01
67.500	0.00	0.00	0.003	O	|	|	|	0.01
67.583	0.00	0.00	0.003	O	|	|	|	0.01
67.667	0.00	0.00	0.003	O	|	|	|	0.01
67.750	0.00	0.00	0.003	O	|	|	|	0.01
67.833	0.00	0.00	0.003	O	|	|	|	0.01
67.917	0.00	0.00	0.003	O	|	|	|	0.01
68.000	0.00	0.00	0.003	O	|	|	|	0.01
68.083	0.00	0.00	0.003	O	|	|	|	0.01
68.167	0.00	0.00	0.003	O	|	|	|	0.01
68.250	0.00	0.00	0.003	O	|	|	|	0.01
68.333	0.00	0.00	0.003	O	|	|	|	0.01
68.417	0.00	0.00	0.003	O	|	|	|	0.01
68.500	0.00	0.00	0.003	O	|	|	|	0.01
68.583	0.00	0.00	0.003	O	|	|	|	0.01
68.667	0.00	0.00	0.003	O	|	|	|	0.01
68.750	0.00	0.00	0.003	O	|	|	|	0.01
68.833	0.00	0.00	0.003	O	|	|	|	0.01
68.917	0.00	0.00	0.003	O	|	|	|	0.01
69.000	0.00	0.00	0.003	O	|	|	|	0.01
69.083	0.00	0.00	0.003	O	|	|	|	0.01
69.167	0.00	0.00	0.003	O	|	|	|	0.01
69.250	0.00	0.00	0.003	O	|	|	|	0.01
69.333	0.00	0.00	0.003	O	|	|	|	0.01
69.417	0.00	0.00	0.003	O	|	|	|	0.01
69.500	0.00	0.00	0.003	O	|	|	|	0.01
69.583	0.00	0.00	0.003	O	|	|	|	0.01
69.667	0.00	0.00	0.003	O	|	|	|	0.01
69.750	0.00	0.00	0.003	O	|	|	|	0.01
69.833	0.00	0.00	0.003	O	|	|	|	0.01
69.917	0.00	0.00	0.003	O	|	|	|	0.01
70.000	0.00	0.00	0.003	O	|	|	|	0.01
70.083	0.00	0.00	0.003	O	|	|	|	0.01
70.167	0.00	0.00	0.003	O	|	|	|	0.01
70.250	0.00	0.00	0.003	O	|	|	|	0.01
70.333	0.00	0.00	0.003	O	|	|	|	0.01
70.417	0.00	0.00	0.002	O	|	|	|	0.01
70.500	0.00	0.00	0.002	O	|	|	|	0.01
70.583	0.00	0.00	0.002	O	|	|	|	0.01
70.667	0.00	0.00	0.002	O	|	|	|	0.01
70.750	0.00	0.00	0.002	O	|	|	|	0.01
70.833	0.00	0.00	0.002	O	|	|	|	0.01
70.917	0.00	0.00	0.002	O	|	|	|	0.01
71.000	0.00	0.00	0.002	O	|	|	|	0.01
71.083	0.00	0.00	0.002	O	|	|	|	0.01
71.167	0.00	0.00	0.002	O	|	|	|	0.01
71.250	0.00	0.00	0.002	O	|	|	|	0.01
71.333	0.00	0.00	0.002	O	|	|	|	0.01
71.417	0.00	0.00	0.002	O	|	|	|	0.01
71.500	0.00	0.00	0.002	O	|	|	|	0.01
71.583	0.00	0.00	0.002	O	|	|	|	0.01
71.667	0.00	0.00	0.002	O	|	|	|	0.01
71.750	0.00	0.00	0.002	O	|	|	|	0.01
71.833	0.00	0.00	0.002	O	|	|	|	0.01
71.917	0.00	0.00	0.002	O	|	|	|	0.01
72.000	0.00	0.00	0.002	O	|	|	|	0.01
72.083	0.00	0.00	0.002	O	|	|	|	0.01
72.167	0.00	0.00	0.002	O	|	|	|	0.01
72.250	0.00	0.00	0.002	O	|	|	|	0.01
72.333	0.00	0.00	0.002	O	|	|	|	0.01
72.417	0.00	0.00	0.002	O	|	|	|	0.01
72.500	0.00	0.00	0.002	O	|	|	|	0.01
72.583	0.00	0.00	0.002	O	|	|	|	0.01
72.667	0.00	0.00	0.002	O	|	|	|	0.01
72.750	0.00	0.00	0.002	O	|	|	|	0.01

72.833	0.00	0.00	0.002	O	|	|	|	0.01
72.917	0.00	0.00	0.002	O	|	|	|	0.01
73.000	0.00	0.00	0.002	O	|	|	|	0.01
73.083	0.00	0.00	0.002	O	|	|	|	0.01
73.167	0.00	0.00	0.002	O	|	|	|	0.01
73.250	0.00	0.00	0.002	O	|	|	|	0.01
73.333	0.00	0.00	0.002	O	|	|	|	0.01
73.417	0.00	0.00	0.002	O	|	|	|	0.01
73.500	0.00	0.00	0.002	O	|	|	|	0.01
73.583	0.00	0.00	0.002	O	|	|	|	0.01
73.667	0.00	0.00	0.002	O	|	|	|	0.01
73.750	0.00	0.00	0.002	O	|	|	|	0.01
73.833	0.00	0.00	0.002	O	|	|	|	0.01
73.917	0.00	0.00	0.002	O	|	|	|	0.01
74.000	0.00	0.00	0.002	O	|	|	|	0.01
74.083	0.00	0.00	0.002	O	|	|	|	0.01
74.167	0.00	0.00	0.002	O	|	|	|	0.01
74.250	0.00	0.00	0.002	O	|	|	|	0.01
74.333	0.00	0.00	0.002	O	|	|	|	0.01
74.417	0.00	0.00	0.002	O	|	|	|	0.01
74.500	0.00	0.00	0.002	O	|	|	|	0.01
74.583	0.00	0.00	0.002	O	|	|	|	0.01
74.667	0.00	0.00	0.002	O	|	|	|	0.01
74.750	0.00	0.00	0.002	O	|	|	|	0.01
74.833	0.00	0.00	0.002	O	|	|	|	0.01
74.917	0.00	0.00	0.002	O	|	|	|	0.01
75.000	0.00	0.00	0.002	O	|	|	|	0.00
75.083	0.00	0.00	0.002	O	|	|	|	0.00
75.167	0.00	0.00	0.002	O	|	|	|	0.00
75.250	0.00	0.00	0.002	O	|	|	|	0.00
75.333	0.00	0.00	0.002	O	|	|	|	0.00
75.417	0.00	0.00	0.002	O	|	|	|	0.00
75.500	0.00	0.00	0.002	O	|	|	|	0.00
75.583	0.00	0.00	0.002	O	|	|	|	0.00
75.667	0.00	0.00	0.002	O	|	|	|	0.00
75.750	0.00	0.00	0.002	O	|	|	|	0.00
75.833	0.00	0.00	0.002	O	|	|	|	0.00
75.917	0.00	0.00	0.002	O	|	|	|	0.00
76.000	0.00	0.00	0.002	O	|	|	|	0.00
76.083	0.00	0.00	0.001	O	|	|	|	0.00
76.167	0.00	0.00	0.001	O	|	|	|	0.00
76.250	0.00	0.00	0.001	O	|	|	|	0.00
76.333	0.00	0.00	0.001	O	|	|	|	0.00
76.417	0.00	0.00	0.001	O	|	|	|	0.00
76.500	0.00	0.00	0.001	O	|	|	|	0.00
76.583	0.00	0.00	0.001	O	|	|	|	0.00
76.667	0.00	0.00	0.001	O	|	|	|	0.00
76.750	0.00	0.00	0.001	O	|	|	|	0.00
76.833	0.00	0.00	0.001	O	|	|	|	0.00
76.917	0.00	0.00	0.001	O	|	|	|	0.00
77.000	0.00	0.00	0.001	O	|	|	|	0.00
77.083	0.00	0.00	0.001	O	|	|	|	0.00
77.167	0.00	0.00	0.001	O	|	|	|	0.00
77.250	0.00	0.00	0.001	O	|	|	|	0.00
77.333	0.00	0.00	0.001	O	|	|	|	0.00
77.417	0.00	0.00	0.001	O	|	|	|	0.00
77.500	0.00	0.00	0.001	O	|	|	|	0.00
77.583	0.00	0.00	0.001	O	|	|	|	0.00
77.667	0.00	0.00	0.001	O	|	|	|	0.00
77.750	0.00	0.00	0.001	O	|	|	|	0.00
77.833	0.00	0.00	0.001	O	|	|	|	0.00
77.917	0.00	0.00	0.001	O	|	|	|	0.00
78.000	0.00	0.00	0.001	O	|	|	|	0.00
78.083	0.00	0.00	0.001	O	|	|	|	0.00
78.167	0.00	0.00	0.001	O	|	|	|	0.00
78.250	0.00	0.00	0.001	O	|	|	|	0.00
78.333	0.00	0.00	0.001	O	|	|	|	0.00

78.417	0.00	0.00	0.001	O	|	|	|	|	0.00
78.500	0.00	0.00	0.001	O	|	|	|	|	0.00
78.583	0.00	0.00	0.001	O	|	|	|	|	0.00
78.667	0.00	0.00	0.001	O	|	|	|	|	0.00
78.750	0.00	0.00	0.001	O	|	|	|	|	0.00
78.833	0.00	0.00	0.001	O	|	|	|	|	0.00
78.917	0.00	0.00	0.001	O	|	|	|	|	0.00
79.000	0.00	0.00	0.001	O	|	|	|	|	0.00
79.083	0.00	0.00	0.001	O	|	|	|	|	0.00
79.167	0.00	0.00	0.001	O	|	|	|	|	0.00
79.250	0.00	0.00	0.001	O	|	|	|	|	0.00
79.333	0.00	0.00	0.001	O	|	|	|	|	0.00
79.417	0.00	0.00	0.001	O	|	|	|	|	0.00
79.500	0.00	0.00	0.001	O	|	|	|	|	0.00
79.583	0.00	0.00	0.001	O	|	|	|	|	0.00
79.667	0.00	0.00	0.001	O	|	|	|	|	0.00
79.750	0.00	0.00	0.001	O	|	|	|	|	0.00
79.833	0.00	0.00	0.001	O	|	|	|	|	0.00
79.917	0.00	0.00	0.001	O	|	|	|	|	0.00
80.000	0.00	0.00	0.001	O	|	|	|	|	0.00
80.083	0.00	0.00	0.001	O	|	|	|	|	0.00
80.167	0.00	0.00	0.001	O	|	|	|	|	0.00
80.250	0.00	0.00	0.001	O	|	|	|	|	0.00
80.333	0.00	0.00	0.001	O	|	|	|	|	0.00
80.417	0.00	0.00	0.001	O	|	|	|	|	0.00
80.500	0.00	0.00	0.001	O	|	|	|	|	0.00
80.583	0.00	0.00	0.001	O	|	|	|	|	0.00
80.667	0.00	0.00	0.001	O	|	|	|	|	0.00
80.750	0.00	0.00	0.001	O	|	|	|	|	0.00
80.833	0.00	0.00	0.001	O	|	|	|	|	0.00
80.917	0.00	0.00	0.001	O	|	|	|	|	0.00
81.000	0.00	0.00	0.001	O	|	|	|	|	0.00
81.083	0.00	0.00	0.001	O	|	|	|	|	0.00
81.167	0.00	0.00	0.001	O	|	|	|	|	0.00
81.250	0.00	0.00	0.001	O	|	|	|	|	0.00
81.333	0.00	0.00	0.001	O	|	|	|	|	0.00
81.417	0.00	0.00	0.001	O	|	|	|	|	0.00
81.500	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 978
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.678 (CFS)
Total volume = 1.000 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRF310.rte

**********HYDROGRAPH DATA**********

Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 20.154 (CFS)
Total volume = 1.612 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN F- ROUTING
10YR-3HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.330	0.360	0.329	0.331
2.000	0.720	0.580	0.718	0.722
3.000	1.150	0.750	1.147	1.153
4.000	1.650	0.880	1.647	1.653
5.000	2.200	1.000	2.197	2.203
6.000	2.810	1.910	2.803	2.817
7.000	3.480	2.340	3.472	3.488
8.000	4.230	2.680	4.221	4.239
9.000	5.040	69.580	4.800	5.280

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 5.0 10.08 15.12 20.15	Depth (Ft.)
0.083	1.67	0.01	0.006	O I | | | |	0.02

```
0.167    2.75    0.02      0.021  O   I   |       |       |       |      0.06
0.250    2.67    0.04      0.039  O   I   |       |       |       |      0.12
0.333    3.01    0.06      0.058  O   I   |       |       |       |      0.18
0.417    3.32    0.09      0.080  O    I  |       |       |       |      0.24
0.500    3.76    0.11      0.103  O    I  |       |       |       |      0.31
0.583    3.62    0.14      0.128  O    I  |       |       |       |      0.39
0.667    3.80    0.17      0.152  O     I |       |       |       |      0.46
0.750    4.01    0.19      0.178  O     I |       |       |       |      0.54
0.833    3.66    0.22      0.203  O    I  |       |       |       |      0.62
0.917    3.54    0.25      0.226  O    I  |       |       |       |      0.69
1.000    3.84    0.27      0.250  O     I |       |       |       |      0.76
1.083    4.53    0.30      0.277  O      I|       |       |       |      0.84
1.167    4.89    0.34      0.307  O      I|       |       |       |      0.93
1.250    4.95    0.36      0.339  O      I|       |       |       |      1.02
1.333    4.69    0.38      0.369  O      I|       |       |       |      1.10
1.417    5.30    0.40      0.401  O       I       |       |       |      1.18
1.500    5.89    0.42      0.437  O       |I      |       |       |      1.27
1.583    5.67    0.44      0.473  O       |I      |       |       |      1.37
1.667    5.82    0.46      0.510  O       |I      |       |       |      1.46
1.750    6.80    0.48      0.550  O       | I     |       |       |      1.56
1.833    7.08    0.51      0.595  O       |  I    |       |       |      1.68
1.917    6.74    0.53      0.639  O       | I     |       |       |      1.79
2.000    6.68    0.56      0.681  O       | I     |       |       |      1.90
2.083    6.86    0.58      0.724  O       | I     |       |       |      2.01
2.167    8.41    0.60      0.772  O       |    I  |       |       |      2.12
2.250   10.72    0.63      0.834  O       |       |I      |       |      2.26
2.333    9.46    0.65      0.899  |O      |       I|      |       |      2.42
2.417   13.45    0.68      0.973  |O      |        |   I  |       |      2.59
2.500   17.52    0.72      1.075  |O      |        |      |   I   |      2.83
2.583   20.15    0.76      1.200  |O      |        |      |       I      3.10
2.667   17.34    0.80      1.323  |O      |        |      |   I   |      3.35
2.750    9.24    0.82      1.409  |O      |     I  |      |       |      3.52
2.833    4.85    0.83      1.452  |O     I|        |      |       |      3.60
2.917    4.08    0.84      1.477  |O    I |        |      |       |      3.65
3.000    2.51    0.84      1.494  |O I    |        |      |       |      3.69
3.083    0.74    0.84      1.500  |O      |        |      |       |      3.70
3.167    0.08    0.84      1.497  IO      |        |      |       |      3.69
3.250    0.00    0.84      1.491  IO      |        |      |       |      3.68
3.333    0.00    0.84      1.485  IO      |        |      |       |      3.67
3.417    0.00    0.84      1.480  IO      |        |      |       |      3.66
3.500    0.00    0.83      1.474  IO      |        |      |       |      3.65
3.583    0.00    0.83      1.468  IO      |        |      |       |      3.64
3.667    0.00    0.83      1.462  IO      |        |      |       |      3.62
3.750    0.00    0.83      1.457  IO      |        |      |       |      3.61
3.833    0.00    0.83      1.451  IO      |        |      |       |      3.60
3.917    0.00    0.83      1.445  IO      |        |      |       |      3.59
4.000    0.00    0.83      1.440  IO      |        |      |       |      3.58
4.083    0.00    0.82      1.434  IO      |        |      |       |      3.57
4.167    0.00    0.82      1.428  IO      |        |      |       |      3.56
4.250    0.00    0.82      1.423  IO      |        |      |       |      3.55
4.333    0.00    0.82      1.417  IO      |        |      |       |      3.53
4.417    0.00    0.82      1.411  IO      |        |      |       |      3.52
4.500    0.00    0.82      1.406  IO      |        |      |       |      3.51
4.583    0.00    0.82      1.400  IO      |        |      |       |      3.50
4.667    0.00    0.81      1.394  IO      |        |      |       |      3.49
4.750    0.00    0.81      1.389  IO      |        |      |       |      3.48
4.833    0.00    0.81      1.383  IO      |        |      |       |      3.47
4.917    0.00    0.81      1.378  IO      |        |      |       |      3.46
5.000    0.00    0.81      1.372  IO      |        |      |       |      3.44
5.083    0.00    0.81      1.367  IO      |        |      |       |      3.43
5.167    0.00    0.80      1.361  IO      |        |      |       |      3.42
5.250    0.00    0.80      1.355  IO      |        |      |       |      3.41
5.333    0.00    0.80      1.350  IO      |        |      |       |      3.40
5.417    0.00    0.80      1.344  IO      |        |      |       |      3.39
5.500    0.00    0.80      1.339  IO      |        |      |       |      3.38
5.583    0.00    0.80      1.333  IO      |        |      |       |      3.37
5.667    0.00    0.80      1.328  IO      |        |      |       |      3.36
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5.750	0.00	0.79	1.322	IO				3.34
5.833	0.00	0.79	1.317	IO				3.33
5.917	0.00	0.79	1.312	IO				3.32
6.000	0.00	0.79	1.306	IO				3.31
6.083	0.00	0.79	1.301	IO				3.30
6.167	0.00	0.79	1.295	IO				3.29
6.250	0.00	0.79	1.290	IO				3.28
6.333	0.00	0.78	1.284	IO				3.27
6.417	0.00	0.78	1.279	IO				3.26
6.500	0.00	0.78	1.274	IO				3.25
6.583	0.00	0.78	1.268	IO				3.24
6.667	0.00	0.78	1.263	IO				3.23
6.750	0.00	0.78	1.257	IO				3.21
6.833	0.00	0.78	1.252	IO				3.20
6.917	0.00	0.78	1.247	IO				3.19
7.000	0.00	0.77	1.241	IO				3.18
7.083	0.00	0.77	1.236	IO				3.17
7.167	0.00	0.77	1.231	IO				3.16
7.250	0.00	0.77	1.225	IO				3.15
7.333	0.00	0.77	1.220	IO				3.14
7.417	0.00	0.77	1.215	IO				3.13
7.500	0.00	0.77	1.210	IO				3.12
7.583	0.00	0.76	1.204	IO				3.11
7.667	0.00	0.76	1.199	IO				3.10
7.750	0.00	0.76	1.194	IO				3.09
7.833	0.00	0.76	1.189	IO				3.08
7.917	0.00	0.76	1.183	IO				3.07
8.000	0.00	0.76	1.178	IO				3.06
8.083	0.00	0.76	1.173	IO				3.05
8.167	0.00	0.75	1.168	IO				3.04
8.250	0.00	0.75	1.163	IO				3.03
8.333	0.00	0.75	1.157	IO				3.01
8.417	0.00	0.75	1.152	IO				3.00
8.500	0.00	0.75	1.147	IO				2.99
8.583	0.00	0.75	1.142	IO				2.98
8.667	0.00	0.74	1.137	IO				2.97
8.750	0.00	0.74	1.132	IO				2.96
8.833	0.00	0.74	1.127	IO				2.95
8.917	0.00	0.74	1.121	IO				2.93
9.000	0.00	0.74	1.116	IO				2.92
9.083	0.00	0.73	1.111	IO				2.91
9.167	0.00	0.73	1.106	IO				2.90
9.250	0.00	0.73	1.101	IO				2.89
9.333	0.00	0.73	1.096	IO				2.87
9.417	0.00	0.73	1.091	IO				2.86
9.500	0.00	0.72	1.086	IO				2.85
9.583	0.00	0.72	1.081	IO				2.84
9.667	0.00	0.72	1.076	IO				2.83
9.750	0.00	0.72	1.071	IO				2.82
9.833	0.00	0.72	1.066	IO				2.81
9.917	0.00	0.71	1.061	IO				2.79
10.000	0.00	0.71	1.056	IO				2.78
10.083	0.00	0.71	1.052	IO				2.77
10.167	0.00	0.71	1.047	IO				2.76
10.250	0.00	0.71	1.042	IO				2.75
10.333	0.00	0.71	1.037	IO				2.74
10.417	0.00	0.70	1.032	IO				2.73
10.500	0.00	0.70	1.027	IO				2.71
10.583	0.00	0.70	1.022	IO				2.70
10.667	0.00	0.70	1.018	IO				2.69
10.750	0.00	0.70	1.013	IO				2.68
10.833	0.00	0.69	1.008	IO				2.67
10.917	0.00	0.69	1.003	IO				2.66
11.000	0.00	0.69	0.998	IO				2.65
11.083	0.00	0.69	0.994	IO				2.64
11.167	0.00	0.69	0.989	IO				2.63
11.250	0.00	0.68	0.984	IO				2.61

11.333	0.00	0.68	0.980	IO				2.60
11.417	0.00	0.68	0.975	IO				2.59
11.500	0.00	0.68	0.970	IO				2.58
11.583	0.00	0.68	0.966	IO				2.57
11.667	0.00	0.68	0.961	IO				2.56
11.750	0.00	0.67	0.956	IO				2.55
11.833	0.00	0.67	0.952	IO				2.54
11.917	0.00	0.67	0.947	IO				2.53
12.000	0.00	0.67	0.942	IO				2.52
12.083	0.00	0.67	0.938	IO				2.51
12.167	0.00	0.66	0.933	IO				2.50
12.250	0.00	0.66	0.929	IO				2.49
12.333	0.00	0.66	0.924	IO				2.47
12.417	0.00	0.66	0.920	IO				2.46
12.500	0.00	0.66	0.915	IO				2.45
12.583	0.00	0.66	0.910	IO				2.44
12.667	0.00	0.65	0.906	IO				2.43
12.750	0.00	0.65	0.901	IO				2.42
12.833	0.00	0.65	0.897	IO				2.41
12.917	0.00	0.65	0.893	IO				2.40
13.000	0.00	0.65	0.888	IO				2.39
13.083	0.00	0.64	0.884	IO				2.38
13.167	0.00	0.64	0.879	IO				2.37
13.250	0.00	0.64	0.875	IO				2.36
13.333	0.00	0.64	0.870	IO				2.35
13.417	0.00	0.64	0.866	IO				2.34
13.500	0.00	0.64	0.862	IO				2.33
13.583	0.00	0.63	0.857	IO				2.32
13.667	0.00	0.63	0.853	IO				2.31
13.750	0.00	0.63	0.848	IO				2.30
13.833	0.00	0.63	0.844	O				2.29
13.917	0.00	0.63	0.840	O				2.28
14.000	0.00	0.63	0.835	O				2.27
14.083	0.00	0.62	0.831	O				2.26
14.167	0.00	0.62	0.827	O				2.25
14.250	0.00	0.62	0.823	O				2.24
14.333	0.00	0.62	0.818	O				2.23
14.417	0.00	0.62	0.814	O				2.22
14.500	0.00	0.62	0.810	O				2.21
14.583	0.00	0.61	0.806	O				2.20
14.667	0.00	0.61	0.801	O				2.19
14.750	0.00	0.61	0.797	O				2.18
14.833	0.00	0.61	0.793	O				2.17
14.917	0.00	0.61	0.789	O				2.16
15.000	0.00	0.61	0.785	O				2.15
15.083	0.00	0.60	0.780	O				2.14
15.167	0.00	0.60	0.776	O				2.13
15.250	0.00	0.60	0.772	O				2.12
15.333	0.00	0.60	0.768	O				2.11
15.417	0.00	0.60	0.764	O				2.10
15.500	0.00	0.60	0.760	O				2.09
15.583	0.00	0.59	0.756	O				2.08
15.667	0.00	0.59	0.752	O				2.07
15.750	0.00	0.59	0.748	O				2.06
15.833	0.00	0.59	0.743	O				2.05
15.917	0.00	0.59	0.739	O				2.05
16.000	0.00	0.59	0.735	O				2.04
16.083	0.00	0.58	0.731	O				2.03
16.167	0.00	0.58	0.727	O				2.02
16.250	0.00	0.58	0.723	O				2.01
16.333	0.00	0.58	0.719	O				2.00
16.417	0.00	0.58	0.715	O				1.99
16.500	0.00	0.58	0.711	O				1.98
16.583	0.00	0.57	0.707	O				1.97
16.667	0.00	0.57	0.703	O				1.96
16.750	0.00	0.57	0.700	O				1.95
16.833	0.00	0.57	0.696	O				1.94

16.917	0.00	0.56	0.692	O	|	|	|	1.93
17.000	0.00	0.56	0.688	O	|	|	|	1.92
17.083	0.00	0.56	0.684	O	|	|	|	1.91
17.167	0.00	0.56	0.680	O	|	|	|	1.90
17.250	0.00	0.56	0.676	O	|	|	|	1.89
17.333	0.00	0.55	0.673	O	|	|	|	1.88
17.417	0.00	0.55	0.669	O	|	|	|	1.87
17.500	0.00	0.55	0.665	O	|	|	|	1.86
17.583	0.00	0.55	0.661	O	|	|	|	1.85
17.667	0.00	0.54	0.657	O	|	|	|	1.84
17.750	0.00	0.54	0.654	O	|	|	|	1.83
17.833	0.00	0.54	0.650	O	|	|	|	1.82
17.917	0.00	0.54	0.646	O	|	|	|	1.81
18.000	0.00	0.54	0.643	O	|	|	|	1.80
18.083	0.00	0.53	0.639	O	|	|	|	1.79
18.167	0.00	0.53	0.635	O	|	|	|	1.78
18.250	0.00	0.53	0.631	O	|	|	|	1.77
18.333	0.00	0.53	0.628	O	|	|	|	1.76
18.417	0.00	0.53	0.624	O	|	|	|	1.75
18.500	0.00	0.52	0.621	O	|	|	|	1.75
18.583	0.00	0.52	0.617	O	|	|	|	1.74
18.667	0.00	0.52	0.613	O	|	|	|	1.73
18.750	0.00	0.52	0.610	O	|	|	|	1.72
18.833	0.00	0.52	0.606	O	|	|	|	1.71
18.917	0.00	0.51	0.603	O	|	|	|	1.70
19.000	0.00	0.51	0.599	O	|	|	|	1.69
19.083	0.00	0.51	0.596	O	|	|	|	1.68
19.167	0.00	0.51	0.592	O	|	|	|	1.67
19.250	0.00	0.51	0.589	O	|	|	|	1.66
19.333	0.00	0.50	0.585	O	|	|	|	1.65
19.417	0.00	0.50	0.582	O	|	|	|	1.65
19.500	0.00	0.50	0.578	O	|	|	|	1.64
19.583	0.00	0.50	0.575	O	|	|	|	1.63
19.667	0.00	0.50	0.571	O	|	|	|	1.62
19.750	0.00	0.49	0.568	O	|	|	|	1.61
19.833	0.00	0.49	0.565	O	|	|	|	1.60
19.917	0.00	0.49	0.561	O	|	|	|	1.59
20.000	0.00	0.49	0.558	O	|	|	|	1.58
20.083	0.00	0.49	0.555	O	|	|	|	1.58
20.167	0.00	0.48	0.551	O	|	|	|	1.57
20.250	0.00	0.48	0.548	O	|	|	|	1.56
20.333	0.00	0.48	0.545	O	|	|	|	1.55
20.417	0.00	0.48	0.541	O	|	|	|	1.54
20.500	0.00	0.48	0.538	O	|	|	|	1.53
20.583	0.00	0.48	0.535	O	|	|	|	1.52
20.667	0.00	0.47	0.531	O	|	|	|	1.52
20.750	0.00	0.47	0.528	O	|	|	|	1.51
20.833	0.00	0.47	0.525	O	|	|	|	1.50
20.917	0.00	0.47	0.522	O	|	|	|	1.49
21.000	0.00	0.47	0.518	O	|	|	|	1.48
21.083	0.00	0.46	0.515	O	|	|	|	1.47
21.167	0.00	0.46	0.512	O	|	|	|	1.47
21.250	0.00	0.46	0.509	O	|	|	|	1.46
21.333	0.00	0.46	0.506	O	|	|	|	1.45
21.417	0.00	0.46	0.503	O	|	|	|	1.44
21.500	0.00	0.46	0.499	O	|	|	|	1.43
21.583	0.00	0.45	0.496	O	|	|	|	1.43
21.667	0.00	0.45	0.493	O	|	|	|	1.42
21.750	0.00	0.45	0.490	O	|	|	|	1.41
21.833	0.00	0.45	0.487	O	|	|	|	1.40
21.917	0.00	0.45	0.484	O	|	|	|	1.39
22.000	0.00	0.45	0.481	O	|	|	|	1.39
22.083	0.00	0.44	0.478	O	|	|	|	1.38
22.167	0.00	0.44	0.475	O	|	|	|	1.37
22.250	0.00	0.44	0.472	O	|	|	|	1.36
22.333	0.00	0.44	0.469	O	|	|	|	1.36
22.417	0.00	0.44	0.466	O	|	|	|	1.35

22.500	0.00	0.43	0.463	O	|	|	|	1.34
22.583	0.00	0.43	0.460	O	|	|	|	1.33
22.667	0.00	0.43	0.457	O	|	|	|	1.32
22.750	0.00	0.43	0.454	O	|	|	|	1.32
22.833	0.00	0.43	0.451	O	|	|	|	1.31
22.917	0.00	0.43	0.448	O	|	|	|	1.30
23.000	0.00	0.42	0.445	O	|	|	|	1.29
23.083	0.00	0.42	0.442	O	|	|	|	1.29
23.167	0.00	0.42	0.439	O	|	|	|	1.28
23.250	0.00	0.42	0.436	O	|	|	|	1.27
23.333	0.00	0.42	0.433	O	|	|	|	1.26
23.417	0.00	0.42	0.430	O	|	|	|	1.26
23.500	0.00	0.41	0.427	O	|	|	|	1.25
23.583	0.00	0.41	0.425	O	|	|	|	1.24
23.667	0.00	0.41	0.422	O	|	|	|	1.24
23.750	0.00	0.41	0.419	O	|	|	|	1.23
23.833	0.00	0.41	0.416	O	|	|	|	1.22
23.917	0.00	0.41	0.413	O	|	|	|	1.21
24.000	0.00	0.41	0.411	O	|	|	|	1.21
24.083	0.00	0.40	0.408	O	|	|	|	1.20
24.167	0.00	0.40	0.405	O	|	|	|	1.19
24.250	0.00	0.40	0.402	O	|	|	|	1.19
24.333	0.00	0.40	0.399	O	|	|	|	1.18
24.417	0.00	0.40	0.397	O	|	|	|	1.17
24.500	0.00	0.40	0.394	O	|	|	|	1.16
24.583	0.00	0.39	0.391	O	|	|	|	1.16
24.667	0.00	0.39	0.389	O	|	|	|	1.15
24.750	0.00	0.39	0.386	O	|	|	|	1.14
24.833	0.00	0.39	0.383	O	|	|	|	1.14
24.917	0.00	0.39	0.380	O	|	|	|	1.13
25.000	0.00	0.39	0.378	O	|	|	|	1.12
25.083	0.00	0.39	0.375	O	|	|	|	1.12
25.167	0.00	0.38	0.372	O	|	|	|	1.11
25.250	0.00	0.38	0.370	O	|	|	|	1.10
25.333	0.00	0.38	0.367	O	|	|	|	1.10
25.417	0.00	0.38	0.365	O	|	|	|	1.09
25.500	0.00	0.38	0.362	O	|	|	|	1.08
25.583	0.00	0.38	0.359	O	|	|	|	1.08
25.667	0.00	0.38	0.357	O	|	|	|	1.07
25.750	0.00	0.37	0.354	O	|	|	|	1.06
25.833	0.00	0.37	0.352	O	|	|	|	1.06
25.917	0.00	0.37	0.349	O	|	|	|	1.05
26.000	0.00	0.37	0.347	O	|	|	|	1.04
26.083	0.00	0.37	0.344	O	|	|	|	1.04
26.167	0.00	0.37	0.341	O	|	|	|	1.03
26.250	0.00	0.37	0.339	O	|	|	|	1.02
26.333	0.00	0.36	0.336	O	|	|	|	1.02
26.417	0.00	0.36	0.334	O	|	|	|	1.01
26.500	0.00	0.36	0.331	O	|	|	|	1.00
26.583	0.00	0.36	0.329	O	|	|	|	1.00
26.667	0.00	0.36	0.327	O	|	|	|	0.99
26.750	0.00	0.35	0.324	O	|	|	|	0.98
26.833	0.00	0.35	0.322	O	|	|	|	0.97
26.917	0.00	0.35	0.319	O	|	|	|	0.97
27.000	0.00	0.35	0.317	O	|	|	|	0.96
27.083	0.00	0.34	0.314	O	|	|	|	0.95
27.167	0.00	0.34	0.312	O	|	|	|	0.95
27.250	0.00	0.34	0.310	O	|	|	|	0.94
27.333	0.00	0.34	0.307	O	|	|	|	0.93
27.417	0.00	0.33	0.305	O	|	|	|	0.92
27.500	0.00	0.33	0.303	O	|	|	|	0.92
27.583	0.00	0.33	0.301	O	|	|	|	0.91
27.667	0.00	0.33	0.298	O	|	|	|	0.90
27.750	0.00	0.32	0.296	O	|	|	|	0.90
27.833	0.00	0.32	0.294	O	|	|	|	0.89
27.917	0.00	0.32	0.292	O	|	|	|	0.88
28.000	0.00	0.32	0.290	O	|	|	|	0.88

28.083	0.00	0.31	0.287	O	|	|	|	0.87
28.167	0.00	0.31	0.285	O	|	|	|	0.86
28.250	0.00	0.31	0.283	O	|	|	|	0.86
28.333	0.00	0.31	0.281	O	|	|	|	0.85
28.417	0.00	0.30	0.279	O	|	|	|	0.85
28.500	0.00	0.30	0.277	O	|	|	|	0.84
28.583	0.00	0.30	0.275	O	|	|	|	0.83
28.667	0.00	0.30	0.273	O	|	|	|	0.83
28.750	0.00	0.30	0.271	O	|	|	|	0.82
28.833	0.00	0.29	0.269	O	|	|	|	0.81
28.917	0.00	0.29	0.267	O	|	|	|	0.81
29.000	0.00	0.29	0.265	O	|	|	|	0.80
29.083	0.00	0.29	0.263	O	|	|	|	0.80
29.167	0.00	0.28	0.261	O	|	|	|	0.79
29.250	0.00	0.28	0.259	O	|	|	|	0.78
29.333	0.00	0.28	0.257	O	|	|	|	0.78
29.417	0.00	0.28	0.255	O	|	|	|	0.77
29.500	0.00	0.28	0.253	O	|	|	|	0.77
29.583	0.00	0.27	0.251	O	|	|	|	0.76
29.667	0.00	0.27	0.249	O	|	|	|	0.75
29.750	0.00	0.27	0.247	O	|	|	|	0.75
29.833	0.00	0.27	0.245	O	|	|	|	0.74
29.917	0.00	0.27	0.244	O	|	|	|	0.74
30.000	0.00	0.26	0.242	O	|	|	|	0.73
30.083	0.00	0.26	0.240	O	|	|	|	0.73
30.167	0.00	0.26	0.238	O	|	|	|	0.72
30.250	0.00	0.26	0.236	O	|	|	|	0.72
30.333	0.00	0.26	0.235	O	|	|	|	0.71
30.417	0.00	0.25	0.233	O	|	|	|	0.71
30.500	0.00	0.25	0.231	O	|	|	|	0.70
30.583	0.00	0.25	0.229	O	|	|	|	0.70
30.667	0.00	0.25	0.228	O	|	|	|	0.69
30.750	0.00	0.25	0.226	O	|	|	|	0.68
30.833	0.00	0.24	0.224	O	|	|	|	0.68
30.917	0.00	0.24	0.223	O	|	|	|	0.67
31.000	0.00	0.24	0.221	O	|	|	|	0.67
31.083	0.00	0.24	0.219	O	|	|	|	0.66
31.167	0.00	0.24	0.218	O	|	|	|	0.66
31.250	0.00	0.24	0.216	O	|	|	|	0.65
31.333	0.00	0.23	0.214	O	|	|	|	0.65
31.417	0.00	0.23	0.213	O	|	|	|	0.64
31.500	0.00	0.23	0.211	O	|	|	|	0.64
31.583	0.00	0.23	0.210	O	|	|	|	0.64
31.667	0.00	0.23	0.208	O	|	|	|	0.63
31.750	0.00	0.23	0.206	O	|	|	|	0.63
31.833	0.00	0.22	0.205	O	|	|	|	0.62
31.917	0.00	0.22	0.203	O	|	|	|	0.62
32.000	0.00	0.22	0.202	O	|	|	|	0.61
32.083	0.00	0.22	0.200	O	|	|	|	0.61
32.167	0.00	0.22	0.199	O	|	|	|	0.60
32.250	0.00	0.22	0.197	O	|	|	|	0.60
32.333	0.00	0.21	0.196	O	|	|	|	0.59
32.417	0.00	0.21	0.194	O	|	|	|	0.59
32.500	0.00	0.21	0.193	O	|	|	|	0.58
32.583	0.00	0.21	0.192	O	|	|	|	0.58
32.667	0.00	0.21	0.190	O	|	|	|	0.58
32.750	0.00	0.21	0.189	O	|	|	|	0.57
32.833	0.00	0.20	0.187	O	|	|	|	0.57
32.917	0.00	0.20	0.186	O	|	|	|	0.56
33.000	0.00	0.20	0.184	O	|	|	|	0.56
33.083	0.00	0.20	0.183	O	|	|	|	0.55
33.167	0.00	0.20	0.182	O	|	|	|	0.55
33.250	0.00	0.20	0.180	O	|	|	|	0.55
33.333	0.00	0.20	0.179	O	|	|	|	0.54
33.417	0.00	0.19	0.178	O	|	|	|	0.54
33.500	0.00	0.19	0.176	O	|	|	|	0.53
33.583	0.00	0.19	0.175	O	|	|	|	0.53

33.667	0.00	0.19	0.174	O	|	|	|	0.53
33.750	0.00	0.19	0.172	O	|	|	|	0.52
33.833	0.00	0.19	0.171	O	|	|	|	0.52
33.917	0.00	0.19	0.170	O	|	|	|	0.51
34.000	0.00	0.18	0.169	O	|	|	|	0.51
34.083	0.00	0.18	0.167	O	|	|	|	0.51
34.167	0.00	0.18	0.166	O	|	|	|	0.50
34.250	0.00	0.18	0.165	O	|	|	|	0.50
34.333	0.00	0.18	0.164	O	|	|	|	0.50
34.417	0.00	0.18	0.162	O	|	|	|	0.49
34.500	0.00	0.18	0.161	O	|	|	|	0.49
34.583	0.00	0.17	0.160	O	|	|	|	0.48
34.667	0.00	0.17	0.159	O	|	|	|	0.48
34.750	0.00	0.17	0.158	O	|	|	|	0.48
34.833	0.00	0.17	0.156	O	|	|	|	0.47
34.917	0.00	0.17	0.155	O	|	|	|	0.47
35.000	0.00	0.17	0.154	O	|	|	|	0.47
35.083	0.00	0.17	0.153	O	|	|	|	0.46
35.167	0.00	0.17	0.152	O	|	|	|	0.46
35.250	0.00	0.16	0.151	O	|	|	|	0.46
35.333	0.00	0.16	0.149	O	|	|	|	0.45
35.417	0.00	0.16	0.148	O	|	|	|	0.45
35.500	0.00	0.16	0.147	O	|	|	|	0.45
35.583	0.00	0.16	0.146	O	|	|	|	0.44
35.667	0.00	0.16	0.145	O	|	|	|	0.44
35.750	0.00	0.16	0.144	O	|	|	|	0.44
35.833	0.00	0.16	0.143	O	|	|	|	0.43
35.917	0.00	0.15	0.142	O	|	|	|	0.43
36.000	0.00	0.15	0.141	O	|	|	|	0.43
36.083	0.00	0.15	0.140	O	|	|	|	0.42
36.167	0.00	0.15	0.139	O	|	|	|	0.42
36.250	0.00	0.15	0.138	O	|	|	|	0.42
36.333	0.00	0.15	0.137	O	|	|	|	0.41
36.417	0.00	0.15	0.136	O	|	|	|	0.41
36.500	0.00	0.15	0.135	O	|	|	|	0.41
36.583	0.00	0.15	0.134	O	|	|	|	0.40
36.667	0.00	0.14	0.133	O	|	|	|	0.40
36.750	0.00	0.14	0.132	O	|	|	|	0.40
36.833	0.00	0.14	0.131	O	|	|	|	0.40
36.917	0.00	0.14	0.130	O	|	|	|	0.39
37.000	0.00	0.14	0.129	O	|	|	|	0.39
37.083	0.00	0.14	0.128	O	|	|	|	0.39
37.167	0.00	0.14	0.127	O	|	|	|	0.38
37.250	0.00	0.14	0.126	O	|	|	|	0.38
37.333	0.00	0.14	0.125	O	|	|	|	0.38
37.417	0.00	0.14	0.124	O	|	|	|	0.38
37.500	0.00	0.13	0.123	O	|	|	|	0.37
37.583	0.00	0.13	0.122	O	|	|	|	0.37
37.667	0.00	0.13	0.121	O	|	|	|	0.37
37.750	0.00	0.13	0.120	O	|	|	|	0.36
37.833	0.00	0.13	0.119	O	|	|	|	0.36
37.917	0.00	0.13	0.118	O	|	|	|	0.36
38.000	0.00	0.13	0.118	O	|	|	|	0.36
38.083	0.00	0.13	0.117	O	|	|	|	0.35
38.167	0.00	0.13	0.116	O	|	|	|	0.35
38.250	0.00	0.13	0.115	O	|	|	|	0.35
38.333	0.00	0.12	0.114	O	|	|	|	0.35
38.417	0.00	0.12	0.113	O	|	|	|	0.34
38.500	0.00	0.12	0.112	O	|	|	|	0.34
38.583	0.00	0.12	0.112	O	|	|	|	0.34
38.667	0.00	0.12	0.111	O	|	|	|	0.34
38.750	0.00	0.12	0.110	O	|	|	|	0.33
38.833	0.00	0.12	0.109	O	|	|	|	0.33
38.917	0.00	0.12	0.108	O	|	|	|	0.33
39.000	0.00	0.12	0.107	O	|	|	|	0.33
39.083	0.00	0.12	0.107	O	|	|	|	0.32
39.167	0.00	0.12	0.106	O	|	|	|	0.32

39.250	0.00	0.11	0.105	O	|	|	|	0.32
39.333	0.00	0.11	0.104	O	|	|	|	0.32
39.417	0.00	0.11	0.103	O	|	|	|	0.31
39.500	0.00	0.11	0.103	O	|	|	|	0.31
39.583	0.00	0.11	0.102	O	|	|	|	0.31
39.667	0.00	0.11	0.101	O	|	|	|	0.31
39.750	0.00	0.11	0.100	O	|	|	|	0.30
39.833	0.00	0.11	0.100	O	|	|	|	0.30
39.917	0.00	0.11	0.099	O	|	|	|	0.30
40.000	0.00	0.11	0.098	O	|	|	|	0.30
40.083	0.00	0.11	0.097	O	|	|	|	0.30
40.167	0.00	0.11	0.097	O	|	|	|	0.29
40.250	0.00	0.10	0.096	O	|	|	|	0.29
40.333	0.00	0.10	0.095	O	|	|	|	0.29
40.417	0.00	0.10	0.095	O	|	|	|	0.29
40.500	0.00	0.10	0.094	O	|	|	|	0.28
40.583	0.00	0.10	0.093	O	|	|	|	0.28
40.667	0.00	0.10	0.092	O	|	|	|	0.28
40.750	0.00	0.10	0.092	O	|	|	|	0.28
40.833	0.00	0.10	0.091	O	|	|	|	0.28
40.917	0.00	0.10	0.090	O	|	|	|	0.27
41.000	0.00	0.10	0.090	O	|	|	|	0.27
41.083	0.00	0.10	0.089	O	|	|	|	0.27
41.167	0.00	0.10	0.088	O	|	|	|	0.27
41.250	0.00	0.10	0.088	O	|	|	|	0.27
41.333	0.00	0.09	0.087	O	|	|	|	0.26
41.417	0.00	0.09	0.086	O	|	|	|	0.26
41.500	0.00	0.09	0.086	O	|	|	|	0.26
41.583	0.00	0.09	0.085	O	|	|	|	0.26
41.667	0.00	0.09	0.084	O	|	|	|	0.26
41.750	0.00	0.09	0.084	O	|	|	|	0.25
41.833	0.00	0.09	0.083	O	|	|	|	0.25
41.917	0.00	0.09	0.083	O	|	|	|	0.25
42.000	0.00	0.09	0.082	O	|	|	|	0.25
42.083	0.00	0.09	0.081	O	|	|	|	0.25
42.167	0.00	0.09	0.081	O	|	|	|	0.24
42.250	0.00	0.09	0.080	O	|	|	|	0.24
42.333	0.00	0.09	0.080	O	|	|	|	0.24
42.417	0.00	0.09	0.079	O	|	|	|	0.24
42.500	0.00	0.09	0.078	O	|	|	|	0.24
42.583	0.00	0.08	0.078	O	|	|	|	0.24
42.667	0.00	0.08	0.077	O	|	|	|	0.23
42.750	0.00	0.08	0.077	O	|	|	|	0.23
42.833	0.00	0.08	0.076	O	|	|	|	0.23
42.917	0.00	0.08	0.075	O	|	|	|	0.23
43.000	0.00	0.08	0.075	O	|	|	|	0.23
43.083	0.00	0.08	0.074	O	|	|	|	0.23
43.167	0.00	0.08	0.074	O	|	|	|	0.22
43.250	0.00	0.08	0.073	O	|	|	|	0.22
43.333	0.00	0.08	0.073	O	|	|	|	0.22
43.417	0.00	0.08	0.072	O	|	|	|	0.22
43.500	0.00	0.08	0.072	O	|	|	|	0.22
43.583	0.00	0.08	0.071	O	|	|	|	0.22
43.667	0.00	0.08	0.071	O	|	|	|	0.21
43.750	0.00	0.08	0.070	O	|	|	|	0.21
43.833	0.00	0.08	0.069	O	|	|	|	0.21
43.917	0.00	0.08	0.069	O	|	|	|	0.21
44.000	0.00	0.07	0.068	O	|	|	|	0.21
44.083	0.00	0.07	0.068	O	|	|	|	0.21
44.167	0.00	0.07	0.067	O	|	|	|	0.20
44.250	0.00	0.07	0.067	O	|	|	|	0.20
44.333	0.00	0.07	0.066	O	|	|	|	0.20
44.417	0.00	0.07	0.066	O	|	|	|	0.20
44.500	0.00	0.07	0.065	O	|	|	|	0.20
44.583	0.00	0.07	0.065	O	|	|	|	0.20
44.667	0.00	0.07	0.064	O	|	|	|	0.20
44.750	0.00	0.07	0.064	O	|	|	|	0.19

44.833	0.00	0.07	0.063	O	|	|	|	0.19
44.917	0.00	0.07	0.063	O	|	|	|	0.19
45.000	0.00	0.07	0.063	O	|	|	|	0.19
45.083	0.00	0.07	0.062	O	|	|	|	0.19
45.167	0.00	0.07	0.062	O	|	|	|	0.19
45.250	0.00	0.07	0.061	O	|	|	|	0.19
45.333	0.00	0.07	0.061	O	|	|	|	0.18
45.417	0.00	0.07	0.060	O	|	|	|	0.18
45.500	0.00	0.07	0.060	O	|	|	|	0.18
45.583	0.00	0.06	0.059	O	|	|	|	0.18
45.667	0.00	0.06	0.059	O	|	|	|	0.18
45.750	0.00	0.06	0.058	O	|	|	|	0.18
45.833	0.00	0.06	0.058	O	|	|	|	0.18
45.917	0.00	0.06	0.058	O	|	|	|	0.17
46.000	0.00	0.06	0.057	O	|	|	|	0.17
46.083	0.00	0.06	0.057	O	|	|	|	0.17
46.167	0.00	0.06	0.056	O	|	|	|	0.17
46.250	0.00	0.06	0.056	O	|	|	|	0.17
46.333	0.00	0.06	0.055	O	|	|	|	0.17
46.417	0.00	0.06	0.055	O	|	|	|	0.17
46.500	0.00	0.06	0.055	O	|	|	|	0.17
46.583	0.00	0.06	0.054	O	|	|	|	0.16
46.667	0.00	0.06	0.054	O	|	|	|	0.16
46.750	0.00	0.06	0.053	O	|	|	|	0.16
46.833	0.00	0.06	0.053	O	|	|	|	0.16
46.917	0.00	0.06	0.053	O	|	|	|	0.16
47.000	0.00	0.06	0.052	O	|	|	|	0.16
47.083	0.00	0.06	0.052	O	|	|	|	0.16
47.167	0.00	0.06	0.051	O	|	|	|	0.16
47.250	0.00	0.06	0.051	O	|	|	|	0.15
47.333	0.00	0.06	0.051	O	|	|	|	0.15
47.417	0.00	0.05	0.050	O	|	|	|	0.15
47.500	0.00	0.05	0.050	O	|	|	|	0.15
47.583	0.00	0.05	0.050	O	|	|	|	0.15
47.667	0.00	0.05	0.049	O	|	|	|	0.15
47.750	0.00	0.05	0.049	O	|	|	|	0.15
47.833	0.00	0.05	0.048	O	|	|	|	0.15
47.917	0.00	0.05	0.048	O	|	|	|	0.15
48.000	0.00	0.05	0.048	O	|	|	|	0.14
48.083	0.00	0.05	0.047	O	|	|	|	0.14
48.167	0.00	0.05	0.047	O	|	|	|	0.14
48.250	0.00	0.05	0.047	O	|	|	|	0.14
48.333	0.00	0.05	0.046	O	|	|	|	0.14
48.417	0.00	0.05	0.046	O	|	|	|	0.14
48.500	0.00	0.05	0.046	O	|	|	|	0.14
48.583	0.00	0.05	0.045	O	|	|	|	0.14
48.667	0.00	0.05	0.045	O	|	|	|	0.14
48.750	0.00	0.05	0.045	O	|	|	|	0.14
48.833	0.00	0.05	0.044	O	|	|	|	0.13
48.917	0.00	0.05	0.044	O	|	|	|	0.13
49.000	0.00	0.05	0.044	O	|	|	|	0.13
49.083	0.00	0.05	0.043	O	|	|	|	0.13
49.167	0.00	0.05	0.043	O	|	|	|	0.13
49.250	0.00	0.05	0.043	O	|	|	|	0.13
49.333	0.00	0.05	0.042	O	|	|	|	0.13
49.417	0.00	0.05	0.042	O	|	|	|	0.13
49.500	0.00	0.05	0.042	O	|	|	|	0.13
49.583	0.00	0.05	0.041	O	|	|	|	0.13
49.667	0.00	0.04	0.041	O	|	|	|	0.12
49.750	0.00	0.04	0.041	O	|	|	|	0.12
49.833	0.00	0.04	0.040	O	|	|	|	0.12
49.917	0.00	0.04	0.040	O	|	|	|	0.12
50.000	0.00	0.04	0.040	O	|	|	|	0.12
50.083	0.00	0.04	0.040	O	|	|	|	0.12
50.167	0.00	0.04	0.039	O	|	|	|	0.12
50.250	0.00	0.04	0.039	O	|	|	|	0.12
50.333	0.00	0.04	0.039	O	|	|	|	0.12

50.417	0.00	0.04	0.038	O	|	|	|	|	0.12
50.500	0.00	0.04	0.038	O	|	|	|	|	0.12
50.583	0.00	0.04	0.038	O	|	|	|	|	0.11
50.667	0.00	0.04	0.038	O	|	|	|	|	0.11
50.750	0.00	0.04	0.037	O	|	|	|	|	0.11
50.833	0.00	0.04	0.037	O	|	|	|	|	0.11
50.917	0.00	0.04	0.037	O	|	|	|	|	0.11
51.000	0.00	0.04	0.036	O	|	|	|	|	0.11
51.083	0.00	0.04	0.036	O	|	|	|	|	0.11
51.167	0.00	0.04	0.036	O	|	|	|	|	0.11
51.250	0.00	0.04	0.036	O	|	|	|	|	0.11
51.333	0.00	0.04	0.035	O	|	|	|	|	0.11
51.417	0.00	0.04	0.035	O	|	|	|	|	0.11
51.500	0.00	0.04	0.035	O	|	|	|	|	0.11
51.583	0.00	0.04	0.035	O	|	|	|	|	0.10
51.667	0.00	0.04	0.034	O	|	|	|	|	0.10
51.750	0.00	0.04	0.034	O	|	|	|	|	0.10
51.833	0.00	0.04	0.034	O	|	|	|	|	0.10
51.917	0.00	0.04	0.034	O	|	|	|	|	0.10
52.000	0.00	0.04	0.033	O	|	|	|	|	0.10
52.083	0.00	0.04	0.033	O	|	|	|	|	0.10
52.167	0.00	0.04	0.033	O	|	|	|	|	0.10
52.250	0.00	0.04	0.033	O	|	|	|	|	0.10
52.333	0.00	0.04	0.032	O	|	|	|	|	0.10
52.417	0.00	0.03	0.032	O	|	|	|	|	0.10
52.500	0.00	0.03	0.032	O	|	|	|	|	0.10
52.583	0.00	0.03	0.032	O	|	|	|	|	0.10
52.667	0.00	0.03	0.031	O	|	|	|	|	0.09
52.750	0.00	0.03	0.031	O	|	|	|	|	0.09
52.833	0.00	0.03	0.031	O	|	|	|	|	0.09
52.917	0.00	0.03	0.031	O	|	|	|	|	0.09
53.000	0.00	0.03	0.030	O	|	|	|	|	0.09
53.083	0.00	0.03	0.030	O	|	|	|	|	0.09
53.167	0.00	0.03	0.030	O	|	|	|	|	0.09
53.250	0.00	0.03	0.030	O	|	|	|	|	0.09
53.333	0.00	0.03	0.029	O	|	|	|	|	0.09
53.417	0.00	0.03	0.029	O	|	|	|	|	0.09
53.500	0.00	0.03	0.029	O	|	|	|	|	0.09
53.583	0.00	0.03	0.029	O	|	|	|	|	0.09
53.667	0.00	0.03	0.029	O	|	|	|	|	0.09
53.750	0.00	0.03	0.028	O	|	|	|	|	0.09
53.833	0.00	0.03	0.028	O	|	|	|	|	0.09
53.917	0.00	0.03	0.028	O	|	|	|	|	0.08
54.000	0.00	0.03	0.028	O	|	|	|	|	0.08
54.083	0.00	0.03	0.028	O	|	|	|	|	0.08
54.167	0.00	0.03	0.027	O	|	|	|	|	0.08
54.250	0.00	0.03	0.027	O	|	|	|	|	0.08
54.333	0.00	0.03	0.027	O	|	|	|	|	0.08
54.417	0.00	0.03	0.027	O	|	|	|	|	0.08
54.500	0.00	0.03	0.027	O	|	|	|	|	0.08
54.583	0.00	0.03	0.026	O	|	|	|	|	0.08
54.667	0.00	0.03	0.026	O	|	|	|	|	0.08
54.750	0.00	0.03	0.026	O	|	|	|	|	0.08
54.833	0.00	0.03	0.026	O	|	|	|	|	0.08
54.917	0.00	0.03	0.026	O	|	|	|	|	0.08
55.000	0.00	0.03	0.025	O	|	|	|	|	0.08
55.083	0.00	0.03	0.025	O	|	|	|	|	0.08
55.167	0.00	0.03	0.025	O	|	|	|	|	0.08
55.250	0.00	0.03	0.025	O	|	|	|	|	0.08
55.333	0.00	0.03	0.025	O	|	|	|	|	0.07
55.417	0.00	0.03	0.024	O	|	|	|	|	0.07
55.500	0.00	0.03	0.024	O	|	|	|	|	0.07
55.583	0.00	0.03	0.024	O	|	|	|	|	0.07
55.667	0.00	0.03	0.024	O	|	|	|	|	0.07
55.750	0.00	0.03	0.024	O	|	|	|	|	0.07
55.833	0.00	0.03	0.024	O	|	|	|	|	0.07
55.917	0.00	0.03	0.023	O	|	|	|	|	0.07

56.000	0.00	0.03	0.023	O	|	|	|	|	0.07
56.083	0.00	0.03	0.023	O	|	|	|	|	0.07
56.167	0.00	0.02	0.023	O	|	|	|	|	0.07
56.250	0.00	0.02	0.023	O	|	|	|	|	0.07
56.333	0.00	0.02	0.023	O	|	|	|	|	0.07
56.417	0.00	0.02	0.022	O	|	|	|	|	0.07
56.500	0.00	0.02	0.022	O	|	|	|	|	0.07
56.583	0.00	0.02	0.022	O	|	|	|	|	0.07
56.667	0.00	0.02	0.022	O	|	|	|	|	0.07
56.750	0.00	0.02	0.022	O	|	|	|	|	0.07
56.833	0.00	0.02	0.022	O	|	|	|	|	0.07
56.917	0.00	0.02	0.021	O	|	|	|	|	0.06
57.000	0.00	0.02	0.021	O	|	|	|	|	0.06
57.083	0.00	0.02	0.021	O	|	|	|	|	0.06
57.167	0.00	0.02	0.021	O	|	|	|	|	0.06
57.250	0.00	0.02	0.021	O	|	|	|	|	0.06
57.333	0.00	0.02	0.021	O	|	|	|	|	0.06
57.417	0.00	0.02	0.020	O	|	|	|	|	0.06
57.500	0.00	0.02	0.020	O	|	|	|	|	0.06
57.583	0.00	0.02	0.020	O	|	|	|	|	0.06
57.667	0.00	0.02	0.020	O	|	|	|	|	0.06
57.750	0.00	0.02	0.020	O	|	|	|	|	0.06
57.833	0.00	0.02	0.020	O	|	|	|	|	0.06
57.917	0.00	0.02	0.020	O	|	|	|	|	0.06
58.000	0.00	0.02	0.019	O	|	|	|	|	0.06
58.083	0.00	0.02	0.019	O	|	|	|	|	0.06
58.167	0.00	0.02	0.019	O	|	|	|	|	0.06
58.250	0.00	0.02	0.019	O	|	|	|	|	0.06
58.333	0.00	0.02	0.019	O	|	|	|	|	0.06
58.417	0.00	0.02	0.019	O	|	|	|	|	0.06
58.500	0.00	0.02	0.019	O	|	|	|	|	0.06
58.583	0.00	0.02	0.018	O	|	|	|	|	0.06
58.667	0.00	0.02	0.018	O	|	|	|	|	0.06
58.750	0.00	0.02	0.018	O	|	|	|	|	0.05
58.833	0.00	0.02	0.018	O	|	|	|	|	0.05
58.917	0.00	0.02	0.018	O	|	|	|	|	0.05
59.000	0.00	0.02	0.018	O	|	|	|	|	0.05
59.083	0.00	0.02	0.018	O	|	|	|	|	0.05
59.167	0.00	0.02	0.017	O	|	|	|	|	0.05
59.250	0.00	0.02	0.017	O	|	|	|	|	0.05
59.333	0.00	0.02	0.017	O	|	|	|	|	0.05
59.417	0.00	0.02	0.017	O	|	|	|	|	0.05
59.500	0.00	0.02	0.017	O	|	|	|	|	0.05
59.583	0.00	0.02	0.017	O	|	|	|	|	0.05
59.667	0.00	0.02	0.017	O	|	|	|	|	0.05
59.750	0.00	0.02	0.017	O	|	|	|	|	0.05
59.833	0.00	0.02	0.016	O	|	|	|	|	0.05
59.917	0.00	0.02	0.016	O	|	|	|	|	0.05
60.000	0.00	0.02	0.016	O	|	|	|	|	0.05
60.083	0.00	0.02	0.016	O	|	|	|	|	0.05
60.167	0.00	0.02	0.016	O	|	|	|	|	0.05
60.250	0.00	0.02	0.016	O	|	|	|	|	0.05
60.333	0.00	0.02	0.016	O	|	|	|	|	0.05
60.417	0.00	0.02	0.016	O	|	|	|	|	0.05
60.500	0.00	0.02	0.015	O	|	|	|	|	0.05
60.583	0.00	0.02	0.015	O	|	|	|	|	0.05
60.667	0.00	0.02	0.015	O	|	|	|	|	0.05
60.750	0.00	0.02	0.015	O	|	|	|	|	0.05
60.833	0.00	0.02	0.015	O	|	|	|	|	0.05
60.917	0.00	0.02	0.015	O	|	|	|	|	0.05
61.000	0.00	0.02	0.015	O	|	|	|	|	0.04
61.083	0.00	0.02	0.015	O	|	|	|	|	0.04
61.167	0.00	0.02	0.015	O	|	|	|	|	0.04
61.250	0.00	0.02	0.014	O	|	|	|	|	0.04
61.333	0.00	0.02	0.014	O	|	|	|	|	0.04
61.417	0.00	0.02	0.014	O	|	|	|	|	0.04
61.500	0.00	0.02	0.014	O	|	|	|	|	0.04

61.583	0.00	0.02	0.014	O	|	|	|	0.04
61.667	0.00	0.02	0.014	O	|	|	|	0.04
61.750	0.00	0.02	0.014	O	|	|	|	0.04
61.833	0.00	0.01	0.014	O	|	|	|	0.04
61.917	0.00	0.01	0.014	O	|	|	|	0.04
62.000	0.00	0.01	0.014	O	|	|	|	0.04
62.083	0.00	0.01	0.013	O	|	|	|	0.04
62.167	0.00	0.01	0.013	O	|	|	|	0.04
62.250	0.00	0.01	0.013	O	|	|	|	0.04
62.333	0.00	0.01	0.013	O	|	|	|	0.04
62.417	0.00	0.01	0.013	O	|	|	|	0.04
62.500	0.00	0.01	0.013	O	|	|	|	0.04
62.583	0.00	0.01	0.013	O	|	|	|	0.04
62.667	0.00	0.01	0.013	O	|	|	|	0.04
62.750	0.00	0.01	0.013	O	|	|	|	0.04
62.833	0.00	0.01	0.013	O	|	|	|	0.04
62.917	0.00	0.01	0.012	O	|	|	|	0.04
63.000	0.00	0.01	0.012	O	|	|	|	0.04
63.083	0.00	0.01	0.012	O	|	|	|	0.04
63.167	0.00	0.01	0.012	O	|	|	|	0.04
63.250	0.00	0.01	0.012	O	|	|	|	0.04
63.333	0.00	0.01	0.012	O	|	|	|	0.04
63.417	0.00	0.01	0.012	O	|	|	|	0.04
63.500	0.00	0.01	0.012	O	|	|	|	0.04
63.583	0.00	0.01	0.012	O	|	|	|	0.04
63.667	0.00	0.01	0.012	O	|	|	|	0.04
63.750	0.00	0.01	0.012	O	|	|	|	0.03
63.833	0.00	0.01	0.011	O	|	|	|	0.03
63.917	0.00	0.01	0.011	O	|	|	|	0.03
64.000	0.00	0.01	0.011	O	|	|	|	0.03
64.083	0.00	0.01	0.011	O	|	|	|	0.03
64.167	0.00	0.01	0.011	O	|	|	|	0.03
64.250	0.00	0.01	0.011	O	|	|	|	0.03
64.333	0.00	0.01	0.011	O	|	|	|	0.03
64.417	0.00	0.01	0.011	O	|	|	|	0.03
64.500	0.00	0.01	0.011	O	|	|	|	0.03
64.583	0.00	0.01	0.011	O	|	|	|	0.03
64.667	0.00	0.01	0.011	O	|	|	|	0.03
64.750	0.00	0.01	0.011	O	|	|	|	0.03
64.833	0.00	0.01	0.010	O	|	|	|	0.03
64.917	0.00	0.01	0.010	O	|	|	|	0.03
65.000	0.00	0.01	0.010	O	|	|	|	0.03
65.083	0.00	0.01	0.010	O	|	|	|	0.03
65.167	0.00	0.01	0.010	O	|	|	|	0.03
65.250	0.00	0.01	0.010	O	|	|	|	0.03
65.333	0.00	0.01	0.010	O	|	|	|	0.03
65.417	0.00	0.01	0.010	O	|	|	|	0.03
65.500	0.00	0.01	0.010	O	|	|	|	0.03
65.583	0.00	0.01	0.010	O	|	|	|	0.03
65.667	0.00	0.01	0.010	O	|	|	|	0.03
65.750	0.00	0.01	0.010	O	|	|	|	0.03
65.833	0.00	0.01	0.010	O	|	|	|	0.03
65.917	0.00	0.01	0.009	O	|	|	|	0.03
66.000	0.00	0.01	0.009	O	|	|	|	0.03
66.083	0.00	0.01	0.009	O	|	|	|	0.03
66.167	0.00	0.01	0.009	O	|	|	|	0.03
66.250	0.00	0.01	0.009	O	|	|	|	0.03
66.333	0.00	0.01	0.009	O	|	|	|	0.03
66.417	0.00	0.01	0.009	O	|	|	|	0.03
66.500	0.00	0.01	0.009	O	|	|	|	0.03
66.583	0.00	0.01	0.009	O	|	|	|	0.03
66.667	0.00	0.01	0.009	O	|	|	|	0.03
66.750	0.00	0.01	0.009	O	|	|	|	0.03
66.833	0.00	0.01	0.009	O	|	|	|	0.03
66.917	0.00	0.01	0.009	O	|	|	|	0.03
67.000	0.00	0.01	0.009	O	|	|	|	0.03
67.083	0.00	0.01	0.009	O	|	|	|	0.03

67.167	0.00	0.01	0.008	O	|	|	|	|	0.03
67.250	0.00	0.01	0.008	O	|	|	|	|	0.03
67.333	0.00	0.01	0.008	O	|	|	|	|	0.03
67.417	0.00	0.01	0.008	O	|	|	|	|	0.03
67.500	0.00	0.01	0.008	O	|	|	|	|	0.02
67.583	0.00	0.01	0.008	O	|	|	|	|	0.02
67.667	0.00	0.01	0.008	O	|	|	|	|	0.02
67.750	0.00	0.01	0.008	O	|	|	|	|	0.02
67.833	0.00	0.01	0.008	O	|	|	|	|	0.02
67.917	0.00	0.01	0.008	O	|	|	|	|	0.02
68.000	0.00	0.01	0.008	O	|	|	|	|	0.02
68.083	0.00	0.01	0.008	O	|	|	|	|	0.02
68.167	0.00	0.01	0.008	O	|	|	|	|	0.02
68.250	0.00	0.01	0.008	O	|	|	|	|	0.02
68.333	0.00	0.01	0.008	O	|	|	|	|	0.02
68.417	0.00	0.01	0.008	O	|	|	|	|	0.02
68.500	0.00	0.01	0.008	O	|	|	|	|	0.02
68.583	0.00	0.01	0.007	O	|	|	|	|	0.02
68.667	0.00	0.01	0.007	O	|	|	|	|	0.02
68.750	0.00	0.01	0.007	O	|	|	|	|	0.02
68.833	0.00	0.01	0.007	O	|	|	|	|	0.02
68.917	0.00	0.01	0.007	O	|	|	|	|	0.02
69.000	0.00	0.01	0.007	O	|	|	|	|	0.02
69.083	0.00	0.01	0.007	O	|	|	|	|	0.02
69.167	0.00	0.01	0.007	O	|	|	|	|	0.02
69.250	0.00	0.01	0.007	O	|	|	|	|	0.02
69.333	0.00	0.01	0.007	O	|	|	|	|	0.02
69.417	0.00	0.01	0.007	O	|	|	|	|	0.02
69.500	0.00	0.01	0.007	O	|	|	|	|	0.02
69.583	0.00	0.01	0.007	O	|	|	|	|	0.02
69.667	0.00	0.01	0.007	O	|	|	|	|	0.02
69.750	0.00	0.01	0.007	O	|	|	|	|	0.02
69.833	0.00	0.01	0.007	O	|	|	|	|	0.02
69.917	0.00	0.01	0.007	O	|	|	|	|	0.02
70.000	0.00	0.01	0.007	O	|	|	|	|	0.02
70.083	0.00	0.01	0.007	O	|	|	|	|	0.02
70.167	0.00	0.01	0.006	O	|	|	|	|	0.02
70.250	0.00	0.01	0.006	O	|	|	|	|	0.02
70.333	0.00	0.01	0.006	O	|	|	|	|	0.02
70.417	0.00	0.01	0.006	O	|	|	|	|	0.02
70.500	0.00	0.01	0.006	O	|	|	|	|	0.02
70.583	0.00	0.01	0.006	O	|	|	|	|	0.02
70.667	0.00	0.01	0.006	O	|	|	|	|	0.02
70.750	0.00	0.01	0.006	O	|	|	|	|	0.02
70.833	0.00	0.01	0.006	O	|	|	|	|	0.02
70.917	0.00	0.01	0.006	O	|	|	|	|	0.02
71.000	0.00	0.01	0.006	O	|	|	|	|	0.02
71.083	0.00	0.01	0.006	O	|	|	|	|	0.02
71.167	0.00	0.01	0.006	O	|	|	|	|	0.02
71.250	0.00	0.01	0.006	O	|	|	|	|	0.02
71.333	0.00	0.01	0.006	O	|	|	|	|	0.02
71.417	0.00	0.01	0.006	O	|	|	|	|	0.02
71.500	0.00	0.01	0.006	O	|	|	|	|	0.02
71.583	0.00	0.01	0.006	O	|	|	|	|	0.02
71.667	0.00	0.01	0.006	O	|	|	|	|	0.02
71.750	0.00	0.01	0.006	O	|	|	|	|	0.02
71.833	0.00	0.01	0.006	O	|	|	|	|	0.02
71.917	0.00	0.01	0.006	O	|	|	|	|	0.02
72.000	0.00	0.01	0.005	O	|	|	|	|	0.02
72.083	0.00	0.01	0.005	O	|	|	|	|	0.02
72.167	0.00	0.01	0.005	O	|	|	|	|	0.02
72.250	0.00	0.01	0.005	O	|	|	|	|	0.02
72.333	0.00	0.01	0.005	O	|	|	|	|	0.02
72.417	0.00	0.01	0.005	O	|	|	|	|	0.02
72.500	0.00	0.01	0.005	O	|	|	|	|	0.02
72.583	0.00	0.01	0.005	O	|	|	|	|	0.02
72.667	0.00	0.01	0.005	O	|	|	|	|	0.02

72.750	0.00	0.01	0.005	O	|	|	|	0.02
72.833	0.00	0.01	0.005	O	|	|	|	0.02
72.917	0.00	0.01	0.005	O	|	|	|	0.02
73.000	0.00	0.01	0.005	O	|	|	|	0.02
73.083	0.00	0.01	0.005	O	|	|	|	0.02
73.167	0.00	0.01	0.005	O	|	|	|	0.01
73.250	0.00	0.01	0.005	O	|	|	|	0.01
73.333	0.00	0.01	0.005	O	|	|	|	0.01
73.417	0.00	0.01	0.005	O	|	|	|	0.01
73.500	0.00	0.01	0.005	O	|	|	|	0.01
73.583	0.00	0.01	0.005	O	|	|	|	0.01
73.667	0.00	0.01	0.005	O	|	|	|	0.01
73.750	0.00	0.01	0.005	O	|	|	|	0.01
73.833	0.00	0.01	0.005	O	|	|	|	0.01
73.917	0.00	0.01	0.005	O	|	|	|	0.01
74.000	0.00	0.00	0.005	O	|	|	|	0.01
74.083	0.00	0.00	0.005	O	|	|	|	0.01
74.167	0.00	0.00	0.005	O	|	|	|	0.01
74.250	0.00	0.00	0.004	O	|	|	|	0.01
74.333	0.00	0.00	0.004	O	|	|	|	0.01
74.417	0.00	0.00	0.004	O	|	|	|	0.01
74.500	0.00	0.00	0.004	O	|	|	|	0.01
74.583	0.00	0.00	0.004	O	|	|	|	0.01
74.667	0.00	0.00	0.004	O	|	|	|	0.01
74.750	0.00	0.00	0.004	O	|	|	|	0.01
74.833	0.00	0.00	0.004	O	|	|	|	0.01
74.917	0.00	0.00	0.004	O	|	|	|	0.01
75.000	0.00	0.00	0.004	O	|	|	|	0.01
75.083	0.00	0.00	0.004	O	|	|	|	0.01
75.167	0.00	0.00	0.004	O	|	|	|	0.01
75.250	0.00	0.00	0.004	O	|	|	|	0.01
75.333	0.00	0.00	0.004	O	|	|	|	0.01
75.417	0.00	0.00	0.004	O	|	|	|	0.01
75.500	0.00	0.00	0.004	O	|	|	|	0.01
75.583	0.00	0.00	0.004	O	|	|	|	0.01
75.667	0.00	0.00	0.004	O	|	|	|	0.01
75.750	0.00	0.00	0.004	O	|	|	|	0.01
75.833	0.00	0.00	0.004	O	|	|	|	0.01
75.917	0.00	0.00	0.004	O	|	|	|	0.01
76.000	0.00	0.00	0.004	O	|	|	|	0.01
76.083	0.00	0.00	0.004	O	|	|	|	0.01
76.167	0.00	0.00	0.004	O	|	|	|	0.01
76.250	0.00	0.00	0.004	O	|	|	|	0.01
76.333	0.00	0.00	0.004	O	|	|	|	0.01
76.417	0.00	0.00	0.004	O	|	|	|	0.01
76.500	0.00	0.00	0.004	O	|	|	|	0.01
76.583	0.00	0.00	0.004	O	|	|	|	0.01
76.667	0.00	0.00	0.004	O	|	|	|	0.01
76.750	0.00	0.00	0.004	O	|	|	|	0.01
76.833	0.00	0.00	0.004	O	|	|	|	0.01
76.917	0.00	0.00	0.004	O	|	|	|	0.01
77.000	0.00	0.00	0.003	O	|	|	|	0.01
77.083	0.00	0.00	0.003	O	|	|	|	0.01
77.167	0.00	0.00	0.003	O	|	|	|	0.01
77.250	0.00	0.00	0.003	O	|	|	|	0.01
77.333	0.00	0.00	0.003	O	|	|	|	0.01
77.417	0.00	0.00	0.003	O	|	|	|	0.01
77.500	0.00	0.00	0.003	O	|	|	|	0.01
77.583	0.00	0.00	0.003	O	|	|	|	0.01
77.667	0.00	0.00	0.003	O	|	|	|	0.01
77.750	0.00	0.00	0.003	O	|	|	|	0.01
77.833	0.00	0.00	0.003	O	|	|	|	0.01
77.917	0.00	0.00	0.003	O	|	|	|	0.01
78.000	0.00	0.00	0.003	O	|	|	|	0.01
78.083	0.00	0.00	0.003	O	|	|	|	0.01
78.167	0.00	0.00	0.003	O	|	|	|	0.01
78.250	0.00	0.00	0.003	O	|	|	|	0.01

78.333	0.00	0.00	0.003	O	|	|	|	|	0.01
78.417	0.00	0.00	0.003	O	|	|	|	|	0.01
78.500	0.00	0.00	0.003	O	|	|	|	|	0.01
78.583	0.00	0.00	0.003	O	|	|	|	|	0.01
78.667	0.00	0.00	0.003	O	|	|	|	|	0.01
78.750	0.00	0.00	0.003	O	|	|	|	|	0.01
78.833	0.00	0.00	0.003	O	|	|	|	|	0.01
78.917	0.00	0.00	0.003	O	|	|	|	|	0.01
79.000	0.00	0.00	0.003	O	|	|	|	|	0.01
79.083	0.00	0.00	0.003	O	|	|	|	|	0.01
79.167	0.00	0.00	0.003	O	|	|	|	|	0.01
79.250	0.00	0.00	0.003	O	|	|	|	|	0.01
79.333	0.00	0.00	0.003	O	|	|	|	|	0.01
79.417	0.00	0.00	0.003	O	|	|	|	|	0.01
79.500	0.00	0.00	0.003	O	|	|	|	|	0.01
79.583	0.00	0.00	0.003	O	|	|	|	|	0.01
79.667	0.00	0.00	0.003	O	|	|	|	|	0.01
79.750	0.00	0.00	0.003	O	|	|	|	|	0.01
79.833	0.00	0.00	0.003	O	|	|	|	|	0.01
79.917	0.00	0.00	0.003	O	|	|	|	|	0.01
80.000	0.00	0.00	0.003	O	|	|	|	|	0.01
80.083	0.00	0.00	0.003	O	|	|	|	|	0.01
80.167	0.00	0.00	0.003	O	|	|	|	|	0.01
80.250	0.00	0.00	0.003	O	|	|	|	|	0.01
80.333	0.00	0.00	0.003	O	|	|	|	|	0.01
80.417	0.00	0.00	0.003	O	|	|	|	|	0.01
80.500	0.00	0.00	0.003	O	|	|	|	|	0.01
80.583	0.00	0.00	0.003	O	|	|	|	|	0.01
80.667	0.00	0.00	0.003	O	|	|	|	|	0.01
80.750	0.00	0.00	0.002	O	|	|	|	|	0.01
80.833	0.00	0.00	0.002	O	|	|	|	|	0.01
80.917	0.00	0.00	0.002	O	|	|	|	|	0.01
81.000	0.00	0.00	0.002	O	|	|	|	|	0.01
81.083	0.00	0.00	0.002	O	|	|	|	|	0.01
81.167	0.00	0.00	0.002	O	|	|	|	|	0.01
81.250	0.00	0.00	0.002	O	|	|	|	|	0.01
81.333	0.00	0.00	0.002	O	|	|	|	|	0.01
81.417	0.00	0.00	0.002	O	|	|	|	|	0.01
81.500	0.00	0.00	0.002	O	|	|	|	|	0.01
81.583	0.00	0.00	0.002	O	|	|	|	|	0.01
81.667	0.00	0.00	0.002	O	|	|	|	|	0.01
81.750	0.00	0.00	0.002	O	|	|	|	|	0.01
81.833	0.00	0.00	0.002	O	|	|	|	|	0.01
81.917	0.00	0.00	0.002	O	|	|	|	|	0.01
82.000	0.00	0.00	0.002	O	|	|	|	|	0.01
82.083	0.00	0.00	0.002	O	|	|	|	|	0.01
82.167	0.00	0.00	0.002	O	|	|	|	|	0.01
82.250	0.00	0.00	0.002	O	|	|	|	|	0.01
82.333	0.00	0.00	0.002	O	|	|	|	|	0.01
82.417	0.00	0.00	0.002	O	|	|	|	|	0.01
82.500	0.00	0.00	0.002	O	|	|	|	|	0.01
82.583	0.00	0.00	0.002	O	|	|	|	|	0.01
82.667	0.00	0.00	0.002	O	|	|	|	|	0.01
82.750	0.00	0.00	0.002	O	|	|	|	|	0.01
82.833	0.00	0.00	0.002	O	|	|	|	|	0.01
82.917	0.00	0.00	0.002	O	|	|	|	|	0.01
83.000	0.00	0.00	0.002	O	|	|	|	|	0.01
83.083	0.00	0.00	0.002	O	|	|	|	|	0.01
83.167	0.00	0.00	0.002	O	|	|	|	|	0.01
83.250	0.00	0.00	0.002	O	|	|	|	|	0.01
83.333	0.00	0.00	0.002	O	|	|	|	|	0.01
83.417	0.00	0.00	0.002	O	|	|	|	|	0.01
83.500	0.00	0.00	0.002	O	|	|	|	|	0.01
83.583	0.00	0.00	0.002	O	|	|	|	|	0.01
83.667	0.00	0.00	0.002	O	|	|	|	|	0.01
83.750	0.00	0.00	0.002	O	|	|	|	|	0.01
83.833	0.00	0.00	0.002	O	|	|	|	|	0.01

83.917	0.00	0.00	0.002	O					0.01
84.000	0.00	0.00	0.002	O					0.01
84.083	0.00	0.00	0.002	O					0.01
84.167	0.00	0.00	0.002	O					0.01
84.250	0.00	0.00	0.002	O					0.01
84.333	0.00	0.00	0.002	O					0.01
84.417	0.00	0.00	0.002	O					0.01
84.500	0.00	0.00	0.002	O					0.01
84.583	0.00	0.00	0.002	O					0.01
84.667	0.00	0.00	0.002	O					0.01
84.750	0.00	0.00	0.002	O					0.01
84.833	0.00	0.00	0.002	O					0.01
84.917	0.00	0.00	0.002	O					0.01
85.000	0.00	0.00	0.002	O					0.01
85.083	0.00	0.00	0.002	O					0.01
85.167	0.00	0.00	0.002	O					0.01
85.250	0.00	0.00	0.002	O					0.01
85.333	0.00	0.00	0.002	O					0.00
85.417	0.00	0.00	0.002	O					0.00
85.500	0.00	0.00	0.002	O					0.00
85.583	0.00	0.00	0.002	O					0.00
85.667	0.00	0.00	0.002	O					0.00
85.750	0.00	0.00	0.002	O					0.00
85.833	0.00	0.00	0.002	O					0.00
85.917	0.00	0.00	0.002	O					0.00
86.000	0.00	0.00	0.002	O					0.00
86.083	0.00	0.00	0.002	O					0.00
86.167	0.00	0.00	0.002	O					0.00
86.250	0.00	0.00	0.002	O					0.00
86.333	0.00	0.00	0.002	O					0.00
86.417	0.00	0.00	0.001	O					0.00
86.500	0.00	0.00	0.001	O					0.00
86.583	0.00	0.00	0.001	O					0.00
86.667	0.00	0.00	0.001	O					0.00
86.750	0.00	0.00	0.001	O					0.00
86.833	0.00	0.00	0.001	O					0.00
86.917	0.00	0.00	0.001	O					0.00
87.000	0.00	0.00	0.001	O					0.00
87.083	0.00	0.00	0.001	O					0.00
87.167	0.00	0.00	0.001	O					0.00
87.250	0.00	0.00	0.001	O					0.00
87.333	0.00	0.00	0.001	O					0.00
87.417	0.00	0.00	0.001	O					0.00
87.500	0.00	0.00	0.001	O					0.00
87.583	0.00	0.00	0.001	O					0.00
87.667	0.00	0.00	0.001	O					0.00
87.750	0.00	0.00	0.001	O					0.00
87.833	0.00	0.00	0.001	O					0.00
87.917	0.00	0.00	0.001	O					0.00
88.000	0.00	0.00	0.001	O					0.00
88.083	0.00	0.00	0.001	O					0.00
88.167	0.00	0.00	0.001	O					0.00
88.250	0.00	0.00	0.001	O					0.00
88.333	0.00	0.00	0.001	O					0.00
88.417	0.00	0.00	0.001	O					0.00
88.500	0.00	0.00	0.001	O					0.00
88.583	0.00	0.00	0.001	O					0.00
88.667	0.00	0.00	0.001	O					0.00
88.750	0.00	0.00	0.001	O					0.00
88.833	0.00	0.00	0.001	O					0.00
88.917	0.00	0.00	0.001	O					0.00
89.000	0.00	0.00	0.001	O					0.00
89.083	0.00	0.00	0.001	O					0.00
89.167	0.00	0.00	0.001	O					0.00
89.250	0.00	0.00	0.001	O					0.00
89.333	0.00	0.00	0.001	O					0.00
89.417	0.00	0.00	0.001	O					0.00

89.500	0.00	0.00	0.001	O	|	|	|	|	0.00
89.583	0.00	0.00	0.001	O	|	|	|	|	0.00
89.667	0.00	0.00	0.001	O	|	|	|	|	0.00
89.750	0.00	0.00	0.001	O	|	|	|	|	0.00
89.833	0.00	0.00	0.001	O	|	|	|	|	0.00
89.917	0.00	0.00	0.001	O	|	|	|	|	0.00
90.000	0.00	0.00	0.001	O	|	|	|	|	0.00
90.083	0.00	0.00	0.001	O	|	|	|	|	0.00
90.167	0.00	0.00	0.001	O	|	|	|	|	0.00
90.250	0.00	0.00	0.001	O	|	|	|	|	0.00
90.333	0.00	0.00	0.001	O	|	|	|	|	0.00
90.417	0.00	0.00	0.001	O	|	|	|	|	0.00
90.500	0.00	0.00	0.001	O	|	|	|	|	0.00
90.583	0.00	0.00	0.001	O	|	|	|	|	0.00
90.667	0.00	0.00	0.001	O	|	|	|	|	0.00
90.750	0.00	0.00	0.001	O	|	|	|	|	0.00
90.833	0.00	0.00	0.001	O	|	|	|	|	0.00
90.917	0.00	0.00	0.001	O	|	|	|	|	0.00
91.000	0.00	0.00	0.001	O	|	|	|	|	0.00
91.083	0.00	0.00	0.001	O	|	|	|	|	0.00
91.167	0.00	0.00	0.001	O	|	|	|	|	0.00
91.250	0.00	0.00	0.001	O	|	|	|	|	0.00
91.333	0.00	0.00	0.001	O	|	|	|	|	0.00
91.417	0.00	0.00	0.001	O	|	|	|	|	0.00
91.500	0.00	0.00	0.001	O	|	|	|	|	0.00
91.583	0.00	0.00	0.001	O	|	|	|	|	0.00
91.667	0.00	0.00	0.001	O	|	|	|	|	0.00
91.750	0.00	0.00	0.001	O	|	|	|	|	0.00
91.833	0.00	0.00	0.001	O	|	|	|	|	0.00
91.917	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 1103
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.841 (CFS)
Total volume = 1.612 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRF610.rte

**********HYDROGRAPH DATA**********

Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 19.821 (CFS)
Total volume = 2.355 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN F- ROUTING
10YR-6HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.330	0.360	0.329	0.331
2.000	0.720	0.580	0.718	0.722
3.000	1.150	0.750	1.147	1.153
4.000	1.650	0.880	1.647	1.653
5.000	2.200	1.000	2.197	2.203
6.000	2.810	1.910	2.803	2.817
7.000	3.480	2.340	3.472	3.488
8.000	4.230	2.680	4.221	4.239
9.000	5.040	69.580	4.800	5.280

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	5.0	9.91	14.87	19.82	Depth (Ft.)
0.083	0.95	0.00	0.003	OI	|	|	|	|	0.01

```
0.167    1.75    0.01      0.013  O I     |        |        |        |     0.04
0.250    1.98    0.03      0.025  O  I    |        |        |        |     0.08
0.333    2.00    0.04      0.039  O  I    |        |        |        |     0.12
0.417    2.00    0.06      0.052  O  I    |        |        |        |     0.16
0.500    2.19    0.07      0.066  O  I    |        |        |        |     0.20
0.583    2.31    0.09      0.081  O  I    |        |        |        |     0.25
0.667    2.33    0.11      0.096  O  I    |        |        |        |     0.29
0.750    2.33    0.12      0.112  O  I    |        |        |        |     0.34
0.833    2.33    0.14      0.127  O  I    |        |        |        |     0.38
0.917    2.33    0.15      0.142  O  I    |        |        |        |     0.43
1.000    2.52    0.17      0.157  O   I   |        |        |        |     0.48
1.083    2.64    0.19      0.174  O   I   |        |        |        |     0.53
1.167    2.66    0.21      0.191  O   I   |        |        |        |     0.58
1.250    2.66    0.23      0.208  O   I   |        |        |        |     0.63
1.333    2.66    0.24      0.224  O   I   |        |        |        |     0.68
1.417    2.66    0.26      0.241  O   I   |        |        |        |     0.73
1.500    2.66    0.28      0.257  O   I   |        |        |        |     0.78
1.583    2.66    0.30      0.274  O   I   |        |        |        |     0.83
1.667    2.66    0.32      0.290  O   I   |        |        |        |     0.88
1.750    2.66    0.33      0.306  O   I   |        |        |        |     0.93
1.833    2.66    0.35      0.322  O   I   |        |        |        |     0.98
1.917    2.66    0.36      0.338  O   I   |        |        |        |     1.02
2.000    2.85    0.37      0.354  O   I   |        |        |        |     1.06
2.083    2.79    0.38      0.371  O   I   |        |        |        |     1.11
2.167    2.87    0.39      0.388  O   I   |        |        |        |     1.15
2.250    2.98    0.40      0.405  O   I   |        |        |        |     1.19
2.333    3.00    0.41      0.423  O   I   |        |        |        |     1.24
2.417    3.00    0.42      0.441  O   I   |        |        |        |     1.28
2.500    3.00    0.43      0.459  O   I   |        |        |        |     1.33
2.583    3.00    0.44      0.476  O   I   |        |        |        |     1.37
2.667    3.00    0.45      0.494  O   I   |        |        |        |     1.42
2.750    3.19    0.46      0.512  O    I  |        |        |        |     1.47
2.833    3.31    0.47      0.531  O    I  |        |        |        |     1.52
2.917    3.33    0.48      0.551  O    I  |        |        |        |     1.57
3.000    3.33    0.50      0.570  O    I  |        |        |        |     1.62
3.083    3.33    0.51      0.590  O    I  |        |        |        |     1.67
3.167    3.52    0.52      0.610  O    I  |        |        |        |     1.72
3.250    3.64    0.53      0.631  O    I  |        |        |        |     1.77
3.333    3.66    0.54      0.652  O    I  |        |        |        |     1.83
3.417    3.85    0.55      0.674  O     I |        |        |        |     1.88
3.500    4.16    0.57      0.698  O     I |        |        |        |     1.94
3.583    4.50    0.58      0.724  O      I|        |        |        |     2.01
3.667    4.64    0.59      0.751  O      I|        |        |        |     2.07
3.750    4.85    0.60      0.780  O      I|        |        |        |     2.14
3.833    4.97    0.62      0.810  O       I        |        |        |     2.21
3.917    5.18    0.63      0.840  |O      I        |        |        |     2.28
4.000    5.31    0.64      0.872  |O      I        |        |        |     2.35
4.083    5.52    0.65      0.905  |O      I        |        |        |     2.43
4.167    5.83    0.67      0.939  |O      |I       |        |        |     2.51
4.250    6.16    0.68      0.976  |O      |I       |        |        |     2.60
4.333    6.49    0.70      1.015  |O      | I      |        |        |     2.69
4.417    6.83    0.71      1.056  |O      |  I     |        |        |     2.78
4.500    6.97    0.73      1.098  |O      |  I     |        |        |     2.88
4.583    7.18    0.75      1.142  |O      |  I     |        |        |     2.98
4.667    7.49    0.76      1.187  |O      |   I    |        |        |     3.07
4.750    7.83    0.77      1.235  |O      |   I    |        |        |     3.17
4.833    7.97    0.78      1.284  |O      |   I    |        |        |     3.27
4.917    8.18    0.80      1.334  |O      |    I   |        |        |     3.37
5.000    8.49    0.81      1.386  |O      |    I   |        |        |     3.47
5.083    9.78    0.83      1.443  |O      |      I |        |        |     3.59
5.167   11.80    0.84      1.512  |O      |        |  I     |        |     3.72
5.250   13.48    0.87      1.593  |O      |        |    I   |        |     3.89
5.333   14.86    0.89      1.685  |O      |        |      I |        |     4.06
5.417   16.67    0.91      1.787  |O      |        |        | I      |     4.25
5.500   19.82    0.94      1.906  |O      |        |        |      I |     4.47
5.583   12.67    0.96      2.012  |O      |        |   I    |        |     4.66
5.667    5.35    0.97      2.067  |O      I        |        |        |     4.76
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5.750	2.63	0.98	2.088	|O I	|	|	|	4.80
5.833	1.87	0.98	2.097	|O I	|	|	|	4.81
5.917	1.30	**0.98**	**2.101**	**|OI**	**|**	**|**	**|**	**4.82**
6.000	0.85	0.98	2.101	|O	|	|	|	4.82
6.083	0.31	0.98	2.099	IO	|	|	|	4.82
6.167	0.04	0.98	2.093	IO	|	|	|	4.81
6.250	0.00	0.98	2.087	IO	|	|	|	4.79
6.333	0.00	0.97	2.080	IO	|	|	|	4.78
6.417	0.00	0.97	2.073	IO	|	|	|	4.77
6.500	0.00	0.97	2.066	IO	|	|	|	4.76
6.583	0.00	0.97	2.060	IO	|	|	|	4.75
6.667	0.00	0.97	2.053	IO	|	|	|	4.73
6.750	0.00	0.97	2.046	IO	|	|	|	4.72
6.833	0.00	0.97	2.040	IO	|	|	|	4.71
6.917	0.00	0.96	2.033	IO	|	|	|	4.70
7.000	0.00	0.96	2.026	IO	|	|	|	4.68
7.083	0.00	0.96	2.020	IO	|	|	|	4.67
7.167	0.00	0.96	2.013	IO	|	|	|	4.66
7.250	0.00	0.96	2.007	IO	|	|	|	4.65
7.333	0.00	0.96	2.000	IO	|	|	|	4.64
7.417	0.00	0.95	1.993	IO	|	|	|	4.62
7.500	0.00	0.95	1.987	IO	|	|	|	4.61
7.583	0.00	0.95	1.980	IO	|	|	|	4.60
7.667	0.00	0.95	1.974	IO	|	|	|	4.59
7.750	0.00	0.95	1.967	IO	|	|	|	4.58
7.833	0.00	0.95	1.961	IO	|	|	|	4.56
7.917	0.00	0.95	1.954	IO	|	|	|	4.55
8.000	0.00	0.94	1.948	IO	|	|	|	4.54
8.083	0.00	0.94	1.941	IO	|	|	|	4.53
8.167	0.00	0.94	1.935	IO	|	|	|	4.52
8.250	0.00	0.94	1.928	IO	|	|	|	4.51
8.333	0.00	0.94	1.922	IO	|	|	|	4.49
8.417	0.00	0.94	1.915	IO	|	|	|	4.48
8.500	0.00	0.94	1.909	IO	|	|	|	4.47
8.583	0.00	0.94	1.902	IO	|	|	|	4.46
8.667	0.00	0.93	1.896	IO	|	|	|	4.45
8.750	0.00	0.93	1.890	IO	|	|	|	4.44
8.833	0.00	0.93	1.883	IO	|	|	|	4.42
8.917	0.00	0.93	1.877	IO	|	|	|	4.41
9.000	0.00	0.93	1.870	IO	|	|	|	4.40
9.083	0.00	0.93	1.864	IO	|	|	|	4.39
9.167	0.00	0.93	1.858	IO	|	|	|	4.38
9.250	0.00	0.92	1.851	IO	|	|	|	4.37
9.333	0.00	0.92	1.845	IO	|	|	|	4.35
9.417	0.00	0.92	1.838	IO	|	|	|	4.34
9.500	0.00	0.92	1.832	IO	|	|	|	4.33
9.583	0.00	0.92	1.826	IO	|	|	|	4.32
9.667	0.00	0.92	1.819	IO	|	|	|	4.31
9.750	0.00	0.92	1.813	IO	|	|	|	4.30
9.833	0.00	0.91	1.807	IO	|	|	|	4.29
9.917	0.00	0.91	1.801	IO	|	|	|	4.27
10.000	0.00	0.91	1.794	IO	|	|	|	4.26
10.083	0.00	0.91	1.788	IO	|	|	|	4.25
10.167	0.00	0.91	1.782	IO	|	|	|	4.24
10.250	0.00	0.91	1.775	IO	|	|	|	4.23
10.333	0.00	0.91	1.769	IO	|	|	|	4.22
10.417	0.00	0.90	1.763	IO	|	|	|	4.21
10.500	0.00	0.90	1.757	IO	|	|	|	4.19
10.583	0.00	0.90	1.751	IO	|	|	|	4.18
10.667	0.00	0.90	1.744	IO	|	|	|	4.17
10.750	0.00	0.90	1.738	IO	|	|	|	4.16
10.833	0.00	0.90	1.732	IO	|	|	|	4.15
10.917	0.00	0.90	1.726	IO	|	|	|	4.14
11.000	0.00	0.90	1.720	IO	|	|	|	4.13
11.083	0.00	0.89	1.713	IO	|	|	|	4.12
11.167	0.00	0.89	1.707	IO	|	|	|	4.10
11.250	0.00	0.89	1.701	IO	|	|	|	4.09

11.333	0.00	0.89	1.695	IO				4.08
11.417	0.00	0.89	1.689	IO				4.07
11.500	0.00	0.89	1.683	IO				4.06
11.583	0.00	0.89	1.677	IO				4.05
11.667	0.00	0.88	1.671	IO				4.04
11.750	0.00	0.88	1.665	IO				4.03
11.833	0.00	0.88	1.658	IO				4.02
11.917	0.00	0.88	1.652	IO				4.00
12.000	0.00	0.88	1.646	IO				3.99
12.083	0.00	0.88	1.640	IO				3.98
12.167	0.00	0.88	1.634	IO				3.97
12.250	0.00	0.87	1.628	IO				3.96
12.333	0.00	0.87	1.622	IO				3.94
12.417	0.00	0.87	1.616	IO				3.93
12.500	0.00	0.87	1.610	IO				3.92
12.583	0.00	0.87	1.604	IO				3.91
12.667	0.00	0.87	1.598	IO				3.90
12.750	0.00	0.86	1.592	IO				3.88
12.833	0.00	0.86	1.586	IO				3.87
12.917	0.00	0.86	1.580	IO				3.86
13.000	0.00	0.86	1.574	IO				3.85
13.083	0.00	0.86	1.569	IO				3.84
13.167	0.00	0.86	1.563	IO				3.83
13.250	0.00	0.86	1.557	IO				3.81
13.333	0.00	0.85	1.551	IO				3.80
13.417	0.00	0.85	1.545	IO				3.79
13.500	0.00	0.85	1.539	IO				3.78
13.583	0.00	0.85	1.533	IO				3.77
13.667	0.00	0.85	1.527	IO				3.75
13.750	0.00	0.85	1.522	IO				3.74
13.833	0.00	0.85	1.516	IO				3.73
13.917	0.00	0.84	1.510	IO				3.72
14.000	0.00	0.84	1.504	IO				3.71
14.083	0.00	0.84	1.498	IO				3.70
14.167	0.00	0.84	1.493	IO				3.69
14.250	0.00	0.84	1.487	IO				3.67
14.333	0.00	0.84	1.481	IO				3.66
14.417	0.00	0.83	1.475	IO				3.65
14.500	0.00	0.83	1.469	IO				3.64
14.583	0.00	0.83	1.464	IO				3.63
14.667	0.00	0.83	1.458	IO				3.62
14.750	0.00	0.83	1.452	IO				3.60
14.833	0.00	0.83	1.447	IO				3.59
14.917	0.00	0.83	1.441	IO				3.58
15.000	0.00	0.82	1.435	IO				3.57
15.083	0.00	0.82	1.430	IO				3.56
15.167	0.00	0.82	1.424	IO				3.55
15.250	0.00	0.82	1.418	IO				3.54
15.333	0.00	0.82	1.413	IO				3.53
15.417	0.00	0.82	1.407	IO				3.51
15.500	0.00	0.82	1.401	IO				3.50
15.583	0.00	0.81	1.396	IO				3.49
15.667	0.00	0.81	1.390	IO				3.48
15.750	0.00	0.81	1.385	IO				3.47
15.833	0.00	0.81	1.379	IO				3.46
15.917	0.00	0.81	1.373	IO				3.45
16.000	0.00	0.81	1.368	IO				3.44
16.083	0.00	0.81	1.362	IO				3.42
16.167	0.00	0.80	1.357	IO				3.41
16.250	0.00	0.80	1.351	IO				3.40
16.333	0.00	0.80	1.346	IO				3.39
16.417	0.00	0.80	1.340	IO				3.38
16.500	0.00	0.80	1.335	IO				3.37
16.583	0.00	0.80	1.329	IO				3.36
16.667	0.00	0.80	1.324	IO				3.35
16.750	0.00	0.79	1.318	IO				3.34
16.833	0.00	0.79	1.313	IO				3.33

16.917	0.00	0.79	1.307	IO				3.31
17.000	0.00	0.79	1.302	IO				3.30
17.083	0.00	0.79	1.296	IO				3.29
17.167	0.00	0.79	1.291	IO				3.28
17.250	0.00	0.79	1.286	IO				3.27
17.333	0.00	0.78	1.280	IO				3.26
17.417	0.00	0.78	1.275	IO				3.25
17.500	0.00	0.78	1.269	IO				3.24
17.583	0.00	0.78	1.264	IO				3.23
17.667	0.00	0.78	1.259	IO				3.22
17.750	0.00	0.78	1.253	IO				3.21
17.833	0.00	0.78	1.248	IO				3.20
17.917	0.00	0.77	1.243	IO				3.19
18.000	0.00	0.77	1.237	IO				3.17
18.083	0.00	0.77	1.232	IO				3.16
18.167	0.00	0.77	1.227	IO				3.15
18.250	0.00	0.77	1.221	IO				3.14
18.333	0.00	0.77	1.216	IO				3.13
18.417	0.00	0.77	1.211	IO				3.12
18.500	0.00	0.76	1.206	IO				3.11
18.583	0.00	0.76	1.200	IO				3.10
18.667	0.00	0.76	1.195	IO				3.09
18.750	0.00	0.76	1.190	IO				3.08
18.833	0.00	0.76	1.185	IO				3.07
18.917	0.00	0.76	1.179	IO				3.06
19.000	0.00	0.76	1.174	IO				3.05
19.083	0.00	0.75	1.169	IO				3.04
19.167	0.00	0.75	1.164	IO				3.03
19.250	0.00	0.75	1.159	IO				3.02
19.333	0.00	0.75	1.153	IO				3.01
19.417	0.00	0.75	1.148	IO				3.00
19.500	0.00	0.75	1.143	IO				2.98
19.583	0.00	0.75	1.138	IO				2.97
19.667	0.00	0.74	1.133	IO				2.96
19.750	0.00	0.74	1.128	IO				2.95
19.833	0.00	0.74	1.123	IO				2.94
19.917	0.00	0.74	1.118	IO				2.92
20.000	0.00	0.74	1.112	IO				2.91
20.083	0.00	0.73	1.107	IO				2.90
20.167	0.00	0.73	1.102	IO				2.89
20.250	0.00	0.73	1.097	IO				2.88
20.333	0.00	0.73	1.092	IO				2.87
20.417	0.00	0.73	1.087	IO				2.85
20.500	0.00	0.72	1.082	IO				2.84
20.583	0.00	0.72	1.077	IO				2.83
20.667	0.00	0.72	1.072	IO				2.82
20.750	0.00	0.72	1.067	IO				2.81
20.833	0.00	0.72	1.063	IO				2.80
20.917	0.00	0.71	1.058	IO				2.79
21.000	0.00	0.71	1.053	IO				2.77
21.083	0.00	0.71	1.048	IO				2.76
21.167	0.00	0.71	1.043	IO				2.75
21.250	0.00	0.71	1.038	IO				2.74
21.333	0.00	0.70	1.033	IO				2.73
21.417	0.00	0.70	1.028	IO				2.72
21.500	0.00	0.70	1.024	IO				2.71
21.583	0.00	0.70	1.019	IO				2.69
21.667	0.00	0.70	1.014	IO				2.68
21.750	0.00	0.69	1.009	IO				2.67
21.833	0.00	0.69	1.004	IO				2.66
21.917	0.00	0.69	1.000	IO				2.65
22.000	0.00	0.69	0.995	IO				2.64
22.083	0.00	0.69	0.990	IO				2.63
22.167	0.00	0.68	0.985	IO				2.62
22.250	0.00	0.68	0.981	IO				2.61
22.333	0.00	0.68	0.976	IO				2.60
22.417	0.00	0.68	0.971	IO				2.58

22.500	0.00	0.68	0.967	IO				2.57
22.583	0.00	0.68	0.962	IO				2.56
22.667	0.00	0.67	0.957	IO				2.55
22.750	0.00	0.67	0.953	IO				2.54
22.833	0.00	0.67	0.948	IO				2.53
22.917	0.00	0.67	0.943	IO				2.52
23.000	0.00	0.67	0.939	IO				2.51
23.083	0.00	0.66	0.934	IO				2.50
23.167	0.00	0.66	0.930	IO				2.49
23.250	0.00	0.66	0.925	IO				2.48
23.333	0.00	0.66	0.921	IO				2.47
23.417	0.00	0.66	0.916	IO				2.46
23.500	0.00	0.66	0.912	IO				2.45
23.583	0.00	0.65	0.907	IO				2.43
23.667	0.00	0.65	0.903	IO				2.42
23.750	0.00	0.65	0.898	IO				2.41
23.833	0.00	0.65	0.894	IO				2.40
23.917	0.00	0.65	0.889	IO				2.39
24.000	0.00	0.65	0.885	IO				2.38
24.083	0.00	0.64	0.880	IO				2.37
24.167	0.00	0.64	0.876	IO				2.36
24.250	0.00	0.64	0.871	IO				2.35
24.333	0.00	0.64	0.867	IO				2.34
24.417	0.00	0.64	0.863	IO				2.33
24.500	0.00	0.63	0.858	IO				2.32
24.583	0.00	0.63	0.854	IO				2.31
24.667	0.00	0.63	0.849	IO				2.30
24.750	0.00	0.63	0.845	IO				2.29
24.833	0.00	0.63	0.841	IO				2.28
24.917	0.00	0.63	0.837	IO				2.27
25.000	0.00	0.62	0.832	IO				2.26
25.083	0.00	0.62	0.828	IO				2.25
25.167	0.00	0.62	0.824	IO				2.24
25.250	0.00	0.62	0.819	O				2.23
25.333	0.00	0.62	0.815	O				2.22
25.417	0.00	0.62	0.811	O				2.21
25.500	0.00	0.61	0.807	O				2.20
25.583	0.00	0.61	0.802	O				2.19
25.667	0.00	0.61	0.798	O				2.18
25.750	0.00	0.61	0.794	O				2.17
25.833	0.00	0.61	0.790	O				2.16
25.917	0.00	0.61	0.786	O				2.15
26.000	0.00	0.60	0.781	O				2.14
26.083	0.00	0.60	0.777	O				2.13
26.167	0.00	0.60	0.773	O				2.12
26.250	0.00	0.60	0.769	O				2.11
26.333	0.00	0.60	0.765	O				2.10
26.417	0.00	0.60	0.761	O				2.09
26.500	0.00	0.59	0.757	O				2.09
26.583	0.00	0.59	0.753	O				2.08
26.667	0.00	0.59	0.748	O				2.07
26.750	0.00	0.59	0.744	O				2.06
26.833	0.00	0.59	0.740	O				2.05
26.917	0.00	0.59	0.736	O				2.04
27.000	0.00	0.58	0.732	O				2.03
27.083	0.00	0.58	0.728	O				2.02
27.167	0.00	0.58	0.724	O				2.01
27.250	0.00	0.58	0.720	O				2.00
27.333	0.00	0.58	0.716	O				1.99
27.417	0.00	0.58	0.712	O				1.98
27.500	0.00	0.57	0.708	O				1.97
27.583	0.00	0.57	0.704	O				1.96
27.667	0.00	0.57	0.700	O				1.95
27.750	0.00	0.57	0.697	O				1.94
27.833	0.00	0.56	0.693	O				1.93
27.917	0.00	0.56	0.689	O				1.92
28.000	0.00	0.56	0.685	O				1.91

28.083	0.00	0.56	0.681	O	|	|	|	1.90
28.167	0.00	0.56	0.677	O	|	|	|	1.89
28.250	0.00	0.55	0.673	O	|	|	|	1.88
28.333	0.00	0.55	0.670	O	|	|	|	1.87
28.417	0.00	0.55	0.666	O	|	|	|	1.86
28.500	0.00	0.55	0.662	O	|	|	|	1.85
28.583	0.00	0.55	0.658	O	|	|	|	1.84
28.667	0.00	0.54	0.655	O	|	|	|	1.83
28.750	0.00	0.54	0.651	O	|	|	|	1.82
28.833	0.00	0.54	0.647	O	|	|	|	1.81
28.917	0.00	0.54	0.643	O	|	|	|	1.80
29.000	0.00	0.53	0.640	O	|	|	|	1.79
29.083	0.00	0.53	0.636	O	|	|	|	1.78
29.167	0.00	0.53	0.632	O	|	|	|	1.78
29.250	0.00	0.53	0.629	O	|	|	|	1.77
29.333	0.00	0.53	0.625	O	|	|	|	1.76
29.417	0.00	0.52	0.621	O	|	|	|	1.75
29.500	0.00	0.52	0.618	O	|	|	|	1.74
29.583	0.00	0.52	0.614	O	|	|	|	1.73
29.667	0.00	0.52	0.611	O	|	|	|	1.72
29.750	0.00	0.52	0.607	O	|	|	|	1.71
29.833	0.00	0.51	0.604	O	|	|	|	1.70
29.917	0.00	0.51	0.600	O	|	|	|	1.69
30.000	0.00	0.51	0.597	O	|	|	|	1.68
30.083	0.00	0.51	0.593	O	|	|	|	1.67
30.167	0.00	0.51	0.590	O	|	|	|	1.67
30.250	0.00	0.50	0.586	O	|	|	|	1.66
30.333	0.00	0.50	0.583	O	|	|	|	1.65
30.417	0.00	0.50	0.579	O	|	|	|	1.64
30.500	0.00	0.50	0.576	O	|	|	|	1.63
30.583	0.00	0.50	0.572	O	|	|	|	1.62
30.667	0.00	0.49	0.569	O	|	|	|	1.61
30.750	0.00	0.49	0.565	O	|	|	|	1.60
30.833	0.00	0.49	0.562	O	|	|	|	1.59
30.917	0.00	0.49	0.559	O	|	|	|	1.59
31.000	0.00	0.49	0.555	O	|	|	|	1.58
31.083	0.00	0.49	0.552	O	|	|	|	1.57
31.167	0.00	0.48	0.549	O	|	|	|	1.56
31.250	0.00	0.48	0.545	O	|	|	|	1.55
31.333	0.00	0.48	0.542	O	|	|	|	1.54
31.417	0.00	0.48	0.539	O	|	|	|	1.54
31.500	0.00	0.48	0.535	O	|	|	|	1.53
31.583	0.00	0.47	0.532	O	|	|	|	1.52
31.667	0.00	0.47	0.529	O	|	|	|	1.51
31.750	0.00	0.47	0.526	O	|	|	|	1.50
31.833	0.00	0.47	0.522	O	|	|	|	1.49
31.917	0.00	0.47	0.519	O	|	|	|	1.49
32.000	0.00	0.46	0.516	O	|	|	|	1.48
32.083	0.00	0.46	0.513	O	|	|	|	1.47
32.167	0.00	0.46	0.510	O	|	|	|	1.46
32.250	0.00	0.46	0.506	O	|	|	|	1.45
32.333	0.00	0.46	0.503	O	|	|	|	1.44
32.417	0.00	0.46	0.500	O	|	|	|	1.44
32.500	0.00	0.45	0.497	O	|	|	|	1.43
32.583	0.00	0.45	0.494	O	|	|	|	1.42
32.667	0.00	0.45	0.491	O	|	|	|	1.41
32.750	0.00	0.45	0.488	O	|	|	|	1.40
32.833	0.00	0.45	0.485	O	|	|	|	1.40
32.917	0.00	0.45	0.481	O	|	|	|	1.39
33.000	0.00	0.44	0.478	O	|	|	|	1.38
33.083	0.00	0.44	0.475	O	|	|	|	1.37
33.167	0.00	0.44	0.472	O	|	|	|	1.36
33.250	0.00	0.44	0.469	O	|	|	|	1.36
33.333	0.00	0.44	0.466	O	|	|	|	1.35
33.417	0.00	0.44	0.463	O	|	|	|	1.34
33.500	0.00	0.43	0.460	O	|	|	|	1.33
33.583	0.00	0.43	0.457	O	|	|	|	1.33

33.667	0.00	0.43	0.454	O	|	|	|	|	1.32
33.750	0.00	0.43	0.451	O	|	|	|	|	1.31
33.833	0.00	0.43	0.448	O	|	|	|	|	1.30
33.917	0.00	0.43	0.446	O	|	|	|	|	1.30
34.000	0.00	0.42	0.443	O	|	|	|	|	1.29
34.083	0.00	0.42	0.440	O	|	|	|	|	1.28
34.167	0.00	0.42	0.437	O	|	|	|	|	1.27
34.250	0.00	0.42	0.434	O	|	|	|	|	1.27
34.333	0.00	0.42	0.431	O	|	|	|	|	1.26
34.417	0.00	0.42	0.428	O	|	|	|	|	1.25
34.500	0.00	0.41	0.425	O	|	|	|	|	1.24
34.583	0.00	0.41	0.422	O	|	|	|	|	1.24
34.667	0.00	0.41	0.420	O	|	|	|	|	1.23
34.750	0.00	0.41	0.417	O	|	|	|	|	1.22
34.833	0.00	0.41	0.414	O	|	|	|	|	1.22
34.917	0.00	0.41	0.411	O	|	|	|	|	1.21
35.000	0.00	0.40	0.408	O	|	|	|	|	1.20
35.083	0.00	0.40	0.406	O	|	|	|	|	1.19
35.167	0.00	0.40	0.403	O	|	|	|	|	1.19
35.250	0.00	0.40	0.400	O	|	|	|	|	1.18
35.333	0.00	0.40	0.397	O	|	|	|	|	1.17
35.417	0.00	0.40	0.395	O	|	|	|	|	1.17
35.500	0.00	0.39	0.392	O	|	|	|	|	1.16
35.583	0.00	0.39	0.389	O	|	|	|	|	1.15
35.667	0.00	0.39	0.386	O	|	|	|	|	1.14
35.750	0.00	0.39	0.384	O	|	|	|	|	1.14
35.833	0.00	0.39	0.381	O	|	|	|	|	1.13
35.917	0.00	0.39	0.378	O	|	|	|	|	1.12
36.000	0.00	0.39	0.376	O	|	|	|	|	1.12
36.083	0.00	0.38	0.373	O	|	|	|	|	1.11
36.167	0.00	0.38	0.370	O	|	|	|	|	1.10
36.250	0.00	0.38	0.368	O	|	|	|	|	1.10
36.333	0.00	0.38	0.365	O	|	|	|	|	1.09
36.417	0.00	0.38	0.363	O	|	|	|	|	1.08
36.500	0.00	0.38	0.360	O	|	|	|	|	1.08
36.583	0.00	0.38	0.357	O	|	|	|	|	1.07
36.667	0.00	0.37	0.355	O	|	|	|	|	1.06
36.750	0.00	0.37	0.352	O	|	|	|	|	1.06
36.833	0.00	0.37	0.350	O	|	|	|	|	1.05
36.917	0.00	0.37	0.347	O	|	|	|	|	1.04
37.000	0.00	0.37	0.345	O	|	|	|	|	1.04
37.083	0.00	0.37	0.342	O	|	|	|	|	1.03
37.167	0.00	0.37	0.340	O	|	|	|	|	1.02
37.250	0.00	0.36	0.337	O	|	|	|	|	1.02
37.333	0.00	0.36	0.335	O	|	|	|	|	1.01
37.417	0.00	0.36	0.332	O	|	|	|	|	1.01
37.500	0.00	0.36	0.330	O	|	|	|	|	1.00
37.583	0.00	0.36	0.327	O	|	|	|	|	0.99
37.667	0.00	0.35	0.325	O	|	|	|	|	0.98
37.750	0.00	0.35	0.322	O	|	|	|	|	0.98
37.833	0.00	0.35	0.320	O	|	|	|	|	0.97
37.917	0.00	0.35	0.317	O	|	|	|	|	0.96
38.000	0.00	0.34	0.315	O	|	|	|	|	0.95
38.083	0.00	0.34	0.313	O	|	|	|	|	0.95
38.167	0.00	0.34	0.310	O	|	|	|	|	0.94
38.250	0.00	0.34	0.308	O	|	|	|	|	0.93
38.333	0.00	0.33	0.306	O	|	|	|	|	0.93
38.417	0.00	0.33	0.303	O	|	|	|	|	0.92
38.500	0.00	0.33	0.301	O	|	|	|	|	0.91
38.583	0.00	0.33	0.299	O	|	|	|	|	0.91
38.667	0.00	0.32	0.297	O	|	|	|	|	0.90
38.750	0.00	0.32	0.294	O	|	|	|	|	0.89
38.833	0.00	0.32	0.292	O	|	|	|	|	0.89
38.917	0.00	0.32	0.290	O	|	|	|	|	0.88
39.000	0.00	0.31	0.288	O	|	|	|	|	0.87
39.083	0.00	0.31	0.286	O	|	|	|	|	0.87
39.167	0.00	0.31	0.284	O	|	|	|	|	0.86

39.250	0.00	0.31	0.281	O	|	|	|	0.85
39.333	0.00	0.30	0.279	O	|	|	|	0.85
39.417	0.00	0.30	0.277	O	|	|	|	0.84
39.500	0.00	0.30	0.275	O	|	|	|	0.83
39.583	0.00	0.30	0.273	O	|	|	|	0.83
39.667	0.00	0.30	0.271	O	|	|	|	0.82
39.750	0.00	0.29	0.269	O	|	|	|	0.82
39.833	0.00	0.29	0.267	O	|	|	|	0.81
39.917	0.00	0.29	0.265	O	|	|	|	0.80
40.000	0.00	0.29	0.263	O	|	|	|	0.80
40.083	0.00	0.28	0.261	O	|	|	|	0.79
40.167	0.00	0.28	0.259	O	|	|	|	0.79
40.250	0.00	0.28	0.257	O	|	|	|	0.78
40.333	0.00	0.28	0.255	O	|	|	|	0.77
40.417	0.00	0.28	0.253	O	|	|	|	0.77
40.500	0.00	0.27	0.251	O	|	|	|	0.76
40.583	0.00	0.27	0.250	O	|	|	|	0.76
40.667	0.00	0.27	0.248	O	|	|	|	0.75
40.750	0.00	0.27	0.246	O	|	|	|	0.75
40.833	0.00	0.27	0.244	O	|	|	|	0.74
40.917	0.00	0.26	0.242	O	|	|	|	0.73
41.000	0.00	0.26	0.240	O	|	|	|	0.73
41.083	0.00	0.26	0.239	O	|	|	|	0.72
41.167	0.00	0.26	0.237	O	|	|	|	0.72
41.250	0.00	0.26	0.235	O	|	|	|	0.71
41.333	0.00	0.25	0.233	O	|	|	|	0.71
41.417	0.00	0.25	0.232	O	|	|	|	0.70
41.500	0.00	0.25	0.230	O	|	|	|	0.70
41.583	0.00	0.25	0.228	O	|	|	|	0.69
41.667	0.00	0.25	0.226	O	|	|	|	0.69
41.750	0.00	0.25	0.225	O	|	|	|	0.68
41.833	0.00	0.24	0.223	O	|	|	|	0.68
41.917	0.00	0.24	0.221	O	|	|	|	0.67
42.000	0.00	0.24	0.220	O	|	|	|	0.67
42.083	0.00	0.24	0.218	O	|	|	|	0.66
42.167	0.00	0.24	0.216	O	|	|	|	0.66
42.250	0.00	0.23	0.215	O	|	|	|	0.65
42.333	0.00	0.23	0.213	O	|	|	|	0.65
42.417	0.00	0.23	0.212	O	|	|	|	0.64
42.500	0.00	0.23	0.210	O	|	|	|	0.64
42.583	0.00	0.23	0.208	O	|	|	|	0.63
42.667	0.00	0.23	0.207	O	|	|	|	0.63
42.750	0.00	0.22	0.205	O	|	|	|	0.62
42.833	0.00	0.22	0.204	O	|	|	|	0.62
42.917	0.00	0.22	0.202	O	|	|	|	0.61
43.000	0.00	0.22	0.201	O	|	|	|	0.61
43.083	0.00	0.22	0.199	O	|	|	|	0.60
43.167	0.00	0.22	0.198	O	|	|	|	0.60
43.250	0.00	0.21	0.196	O	|	|	|	0.59
43.333	0.00	0.21	0.195	O	|	|	|	0.59
43.417	0.00	0.21	0.193	O	|	|	|	0.59
43.500	0.00	0.21	0.192	O	|	|	|	0.58
43.583	0.00	0.21	0.190	O	|	|	|	0.58
43.667	0.00	0.21	0.189	O	|	|	|	0.57
43.750	0.00	0.20	0.188	O	|	|	|	0.57
43.833	0.00	0.20	0.186	O	|	|	|	0.56
43.917	0.00	0.20	0.185	O	|	|	|	0.56
44.000	0.00	0.20	0.183	O	|	|	|	0.56
44.083	0.00	0.20	0.182	O	|	|	|	0.55
44.167	0.00	0.20	0.181	O	|	|	|	0.55
44.250	0.00	0.20	0.179	O	|	|	|	0.54
44.333	0.00	0.19	0.178	O	|	|	|	0.54
44.417	0.00	0.19	0.177	O	|	|	|	0.54
44.500	0.00	0.19	0.175	O	|	|	|	0.53
44.583	0.00	0.19	0.174	O	|	|	|	0.53
44.667	0.00	0.19	0.173	O	|	|	|	0.52
44.750	0.00	0.19	0.171	O	|	|	|	0.52

44.833	0.00	0.19	0.170	O	|	|	|	0.52
44.917	0.00	0.18	0.169	O	|	|	|	0.51
45.000	0.00	0.18	0.168	O	|	|	|	0.51
45.083	0.00	0.18	0.166	O	|	|	|	0.50
45.167	0.00	0.18	0.165	O	|	|	|	0.50
45.250	0.00	0.18	0.164	O	|	|	|	0.50
45.333	0.00	0.18	0.163	O	|	|	|	0.49
45.417	0.00	0.18	0.161	O	|	|	|	0.49
45.500	0.00	0.17	0.160	O	|	|	|	0.49
45.583	0.00	0.17	0.159	O	|	|	|	0.48
45.667	0.00	0.17	0.158	O	|	|	|	0.48
45.750	0.00	0.17	0.157	O	|	|	|	0.47
45.833	0.00	0.17	0.155	O	|	|	|	0.47
45.917	0.00	0.17	0.154	O	|	|	|	0.47
46.000	0.00	0.17	0.153	O	|	|	|	0.46
46.083	0.00	0.17	0.152	O	|	|	|	0.46
46.167	0.00	0.16	0.151	O	|	|	|	0.46
46.250	0.00	0.16	0.150	O	|	|	|	0.45
46.333	0.00	0.16	0.149	O	|	|	|	0.45
46.417	0.00	0.16	0.148	O	|	|	|	0.45
46.500	0.00	0.16	0.146	O	|	|	|	0.44
46.583	0.00	0.16	0.145	O	|	|	|	0.44
46.667	0.00	0.16	0.144	O	|	|	|	0.44
46.750	0.00	0.16	0.143	O	|	|	|	0.43
46.833	0.00	0.15	0.142	O	|	|	|	0.43
46.917	0.00	0.15	0.141	O	|	|	|	0.43
47.000	0.00	0.15	0.140	O	|	|	|	0.42
47.083	0.00	0.15	0.139	O	|	|	|	0.42
47.167	0.00	0.15	0.138	O	|	|	|	0.42
47.250	0.00	0.15	0.137	O	|	|	|	0.41
47.333	0.00	0.15	0.136	O	|	|	|	0.41
47.417	0.00	0.15	0.135	O	|	|	|	0.41
47.500	0.00	0.15	0.134	O	|	|	|	0.41
47.583	0.00	0.14	0.133	O	|	|	|	0.40
47.667	0.00	0.14	0.132	O	|	|	|	0.40
47.750	0.00	0.14	0.131	O	|	|	|	0.40
47.833	0.00	0.14	0.130	O	|	|	|	0.39
47.917	0.00	0.14	0.129	O	|	|	|	0.39
48.000	0.00	0.14	0.128	O	|	|	|	0.39
48.083	0.00	0.14	0.127	O	|	|	|	0.38
48.167	0.00	0.14	0.126	O	|	|	|	0.38
48.250	0.00	0.14	0.125	O	|	|	|	0.38
48.333	0.00	0.14	0.124	O	|	|	|	0.38
48.417	0.00	0.13	0.123	O	|	|	|	0.37
48.500	0.00	0.13	0.122	O	|	|	|	0.37
48.583	0.00	0.13	0.121	O	|	|	|	0.37
48.667	0.00	0.13	0.120	O	|	|	|	0.36
48.750	0.00	0.13	0.120	O	|	|	|	0.36
48.833	0.00	0.13	0.119	O	|	|	|	0.36
48.917	0.00	0.13	0.118	O	|	|	|	0.36
49.000	0.00	0.13	0.117	O	|	|	|	0.35
49.083	0.00	0.13	0.116	O	|	|	|	0.35
49.167	0.00	0.13	0.115	O	|	|	|	0.35
49.250	0.00	0.12	0.114	O	|	|	|	0.35
49.333	0.00	0.12	0.113	O	|	|	|	0.34
49.417	0.00	0.12	0.113	O	|	|	|	0.34
49.500	0.00	0.12	0.112	O	|	|	|	0.34
49.583	0.00	0.12	0.111	O	|	|	|	0.34
49.667	0.00	0.12	0.110	O	|	|	|	0.33
49.750	0.00	0.12	0.109	O	|	|	|	0.33
49.833	0.00	0.12	0.108	O	|	|	|	0.33
49.917	0.00	0.12	0.108	O	|	|	|	0.33
50.000	0.00	0.12	0.107	O	|	|	|	0.32
50.083	0.00	0.12	0.106	O	|	|	|	0.32
50.167	0.00	0.11	0.105	O	|	|	|	0.32
50.250	0.00	0.11	0.104	O	|	|	|	0.32
50.333	0.00	0.11	0.104	O	|	|	|	0.31

50.417	0.00	0.11	0.103	O	|	|	|	|	0.31
50.500	0.00	0.11	0.102	O	|	|	|	|	0.31
50.583	0.00	0.11	0.101	O	|	|	|	|	0.31
50.667	0.00	0.11	0.101	O	|	|	|	|	0.30
50.750	0.00	0.11	0.100	O	|	|	|	|	0.30
50.833	0.00	0.11	0.099	O	|	|	|	|	0.30
50.917	0.00	0.11	0.098	O	|	|	|	|	0.30
51.000	0.00	0.11	0.098	O	|	|	|	|	0.30
51.083	0.00	0.11	0.097	O	|	|	|	|	0.29
51.167	0.00	0.10	0.096	O	|	|	|	|	0.29
51.250	0.00	0.10	0.095	O	|	|	|	|	0.29
51.333	0.00	0.10	0.095	O	|	|	|	|	0.29
51.417	0.00	0.10	0.094	O	|	|	|	|	0.28
51.500	0.00	0.10	0.093	O	|	|	|	|	0.28
51.583	0.00	0.10	0.093	O	|	|	|	|	0.28
51.667	0.00	0.10	0.092	O	|	|	|	|	0.28
51.750	0.00	0.10	0.091	O	|	|	|	|	0.28
51.833	0.00	0.10	0.091	O	|	|	|	|	0.27
51.917	0.00	0.10	0.090	O	|	|	|	|	0.27
52.000	0.00	0.10	0.089	O	|	|	|	|	0.27
52.083	0.00	0.10	0.088	O	|	|	|	|	0.27
52.167	0.00	0.10	0.088	O	|	|	|	|	0.27
52.250	0.00	0.10	0.087	O	|	|	|	|	0.26
52.333	0.00	0.09	0.087	O	|	|	|	|	0.26
52.417	0.00	0.09	0.086	O	|	|	|	|	0.26
52.500	0.00	0.09	0.085	O	|	|	|	|	0.26
52.583	0.00	0.09	0.085	O	|	|	|	|	0.26
52.667	0.00	0.09	0.084	O	|	|	|	|	0.25
52.750	0.00	0.09	0.083	O	|	|	|	|	0.25
52.833	0.00	0.09	0.083	O	|	|	|	|	0.25
52.917	0.00	0.09	0.082	O	|	|	|	|	0.25
53.000	0.00	0.09	0.081	O	|	|	|	|	0.25
53.083	0.00	0.09	0.081	O	|	|	|	|	0.25
53.167	0.00	0.09	0.080	O	|	|	|	|	0.24
53.250	0.00	0.09	0.080	O	|	|	|	|	0.24
53.333	0.00	0.09	0.079	O	|	|	|	|	0.24
53.417	0.00	0.09	0.078	O	|	|	|	|	0.24
53.500	0.00	0.08	0.078	O	|	|	|	|	0.24
53.583	0.00	0.08	0.077	O	|	|	|	|	0.23
53.667	0.00	0.08	0.077	O	|	|	|	|	0.23
53.750	0.00	0.08	0.076	O	|	|	|	|	0.23
53.833	0.00	0.08	0.076	O	|	|	|	|	0.23
53.917	0.00	0.08	0.075	O	|	|	|	|	0.23
54.000	0.00	0.08	0.074	O	|	|	|	|	0.23
54.083	0.00	0.08	0.074	O	|	|	|	|	0.22
54.167	0.00	0.08	0.073	O	|	|	|	|	0.22
54.250	0.00	0.08	0.073	O	|	|	|	|	0.22
54.333	0.00	0.08	0.072	O	|	|	|	|	0.22
54.417	0.00	0.08	0.072	O	|	|	|	|	0.22
54.500	0.00	0.08	0.071	O	|	|	|	|	0.22
54.583	0.00	0.08	0.071	O	|	|	|	|	0.21
54.667	0.00	0.08	0.070	O	|	|	|	|	0.21
54.750	0.00	0.08	0.070	O	|	|	|	|	0.21
54.833	0.00	0.08	0.069	O	|	|	|	|	0.21
54.917	0.00	0.07	0.069	O	|	|	|	|	0.21
55.000	0.00	0.07	0.068	O	|	|	|	|	0.21
55.083	0.00	0.07	0.068	O	|	|	|	|	0.20
55.167	0.00	0.07	0.067	O	|	|	|	|	0.20
55.250	0.00	0.07	0.067	O	|	|	|	|	0.20
55.333	0.00	0.07	0.066	O	|	|	|	|	0.20
55.417	0.00	0.07	0.066	O	|	|	|	|	0.20
55.500	0.00	0.07	0.065	O	|	|	|	|	0.20
55.583	0.00	0.07	0.065	O	|	|	|	|	0.20
55.667	0.00	0.07	0.064	O	|	|	|	|	0.19
55.750	0.00	0.07	0.064	O	|	|	|	|	0.19
55.833	0.00	0.07	0.063	O	|	|	|	|	0.19
55.917	0.00	0.07	0.063	O	|	|	|	|	0.19

56.000	0.00	0.07	0.062	O	|	|	|	0.19
56.083	0.00	0.07	0.062	O	|	|	|	0.19
56.167	0.00	0.07	0.061	O	|	|	|	0.19
56.250	0.00	0.07	0.061	O	|	|	|	0.18
56.333	0.00	0.07	0.060	O	|	|	|	0.18
56.417	0.00	0.07	0.060	O	|	|	|	0.18
56.500	0.00	0.06	0.059	O	|	|	|	0.18
56.583	0.00	0.06	0.059	O	|	|	|	0.18
56.667	0.00	0.06	0.059	O	|	|	|	0.18
56.750	0.00	0.06	0.058	O	|	|	|	0.18
56.833	0.00	0.06	0.058	O	|	|	|	0.17
56.917	0.00	0.06	0.057	O	|	|	|	0.17
57.000	0.00	0.06	0.057	O	|	|	|	0.17
57.083	0.00	0.06	0.056	O	|	|	|	0.17
57.167	0.00	0.06	0.056	O	|	|	|	0.17
57.250	0.00	0.06	0.056	O	|	|	|	0.17
57.333	0.00	0.06	0.055	O	|	|	|	0.17
57.417	0.00	0.06	0.055	O	|	|	|	0.17
57.500	0.00	0.06	0.054	O	|	|	|	0.16
57.583	0.00	0.06	0.054	O	|	|	|	0.16
57.667	0.00	0.06	0.053	O	|	|	|	0.16
57.750	0.00	0.06	0.053	O	|	|	|	0.16
57.833	0.00	0.06	0.053	O	|	|	|	0.16
57.917	0.00	0.06	0.052	O	|	|	|	0.16
58.000	0.00	0.06	0.052	O	|	|	|	0.16
58.083	0.00	0.06	0.052	O	|	|	|	0.16
58.167	0.00	0.06	0.051	O	|	|	|	0.15
58.250	0.00	0.06	0.051	O	|	|	|	0.15
58.333	0.00	0.05	0.050	O	|	|	|	0.15
58.417	0.00	0.05	0.050	O	|	|	|	0.15
58.500	0.00	0.05	0.050	O	|	|	|	0.15
58.583	0.00	0.05	0.049	O	|	|	|	0.15
58.667	0.00	0.05	0.049	O	|	|	|	0.15
58.750	0.00	0.05	0.049	O	|	|	|	0.15
58.833	0.00	0.05	0.048	O	|	|	|	0.15
58.917	0.00	0.05	0.048	O	|	|	|	0.14
59.000	0.00	0.05	0.047	O	|	|	|	0.14
59.083	0.00	0.05	0.047	O	|	|	|	0.14
59.167	0.00	0.05	0.047	O	|	|	|	0.14
59.250	0.00	0.05	0.046	O	|	|	|	0.14
59.333	0.00	0.05	0.046	O	|	|	|	0.14
59.417	0.00	0.05	0.046	O	|	|	|	0.14
59.500	0.00	0.05	0.045	O	|	|	|	0.14
59.583	0.00	0.05	0.045	O	|	|	|	0.14
59.667	0.00	0.05	0.045	O	|	|	|	0.14
59.750	0.00	0.05	0.044	O	|	|	|	0.13
59.833	0.00	0.05	0.044	O	|	|	|	0.13
59.917	0.00	0.05	0.044	O	|	|	|	0.13
60.000	0.00	0.05	0.043	O	|	|	|	0.13
60.083	0.00	0.05	0.043	O	|	|	|	0.13
60.167	0.00	0.05	0.043	O	|	|	|	0.13
60.250	0.00	0.05	0.042	O	|	|	|	0.13
60.333	0.00	0.05	0.042	O	|	|	|	0.13
60.417	0.00	0.05	0.042	O	|	|	|	0.13
60.500	0.00	0.05	0.041	O	|	|	|	0.13
60.583	0.00	0.04	0.041	O	|	|	|	0.12
60.667	0.00	0.04	0.041	O	|	|	|	0.12
60.750	0.00	0.04	0.041	O	|	|	|	0.12
60.833	0.00	0.04	0.040	O	|	|	|	0.12
60.917	0.00	0.04	0.040	O	|	|	|	0.12
61.000	0.00	0.04	0.040	O	|	|	|	0.12
61.083	0.00	0.04	0.039	O	|	|	|	0.12
61.167	0.00	0.04	0.039	O	|	|	|	0.12
61.250	0.00	0.04	0.039	O	|	|	|	0.12
61.333	0.00	0.04	0.038	O	|	|	|	0.12
61.417	0.00	0.04	0.038	O	|	|	|	0.12
61.500	0.00	0.04	0.038	O	|	|	|	0.11

61.583	0.00	0.04	0.038	O	|	|	|	|	0.11
61.667	0.00	0.04	0.037	O	|	|	|	|	0.11
61.750	0.00	0.04	0.037	O	|	|	|	|	0.11
61.833	0.00	0.04	0.037	O	|	|	|	|	0.11
61.917	0.00	0.04	0.036	O	|	|	|	|	0.11
62.000	0.00	0.04	0.036	O	|	|	|	|	0.11
62.083	0.00	0.04	0.036	O	|	|	|	|	0.11
62.167	0.00	0.04	0.036	O	|	|	|	|	0.11
62.250	0.00	0.04	0.035	O	|	|	|	|	0.11
62.333	0.00	0.04	0.035	O	|	|	|	|	0.11
62.417	0.00	0.04	0.035	O	|	|	|	|	0.11
62.500	0.00	0.04	0.035	O	|	|	|	|	0.10
62.583	0.00	0.04	0.034	O	|	|	|	|	0.10
62.667	0.00	0.04	0.034	O	|	|	|	|	0.10
62.750	0.00	0.04	0.034	O	|	|	|	|	0.10
62.833	0.00	0.04	0.034	O	|	|	|	|	0.10
62.917	0.00	0.04	0.033	O	|	|	|	|	0.10
63.000	0.00	0.04	0.033	O	|	|	|	|	0.10
63.083	0.00	0.04	0.033	O	|	|	|	|	0.10
63.167	0.00	0.04	0.033	O	|	|	|	|	0.10
63.250	0.00	0.04	0.032	O	|	|	|	|	0.10
63.333	0.00	0.04	0.032	O	|	|	|	|	0.10
63.417	0.00	0.03	0.032	O	|	|	|	|	0.10
63.500	0.00	0.03	0.032	O	|	|	|	|	0.10
63.583	0.00	0.03	0.031	O	|	|	|	|	0.10
63.667	0.00	0.03	0.031	O	|	|	|	|	0.09
63.750	0.00	0.03	0.031	O	|	|	|	|	0.09
63.833	0.00	0.03	0.031	O	|	|	|	|	0.09
63.917	0.00	0.03	0.030	O	|	|	|	|	0.09
64.000	0.00	0.03	0.030	O	|	|	|	|	0.09
64.083	0.00	0.03	0.030	O	|	|	|	|	0.09
64.167	0.00	0.03	0.030	O	|	|	|	|	0.09
64.250	0.00	0.03	0.030	O	|	|	|	|	0.09
64.333	0.00	0.03	0.029	O	|	|	|	|	0.09
64.417	0.00	0.03	0.029	O	|	|	|	|	0.09
64.500	0.00	0.03	0.029	O	|	|	|	|	0.09
64.583	0.00	0.03	0.029	O	|	|	|	|	0.09
64.667	0.00	0.03	0.028	O	|	|	|	|	0.09
64.750	0.00	0.03	0.028	O	|	|	|	|	0.09
64.833	0.00	0.03	0.028	O	|	|	|	|	0.08
64.917	0.00	0.03	0.028	O	|	|	|	|	0.08
65.000	0.00	0.03	0.028	O	|	|	|	|	0.08
65.083	0.00	0.03	0.027	O	|	|	|	|	0.08
65.167	0.00	0.03	0.027	O	|	|	|	|	0.08
65.250	0.00	0.03	0.027	O	|	|	|	|	0.08
65.333	0.00	0.03	0.027	O	|	|	|	|	0.08
65.417	0.00	0.03	0.027	O	|	|	|	|	0.08
65.500	0.00	0.03	0.026	O	|	|	|	|	0.08
65.583	0.00	0.03	0.026	O	|	|	|	|	0.08
65.667	0.00	0.03	0.026	O	|	|	|	|	0.08
65.750	0.00	0.03	0.026	O	|	|	|	|	0.08
65.833	0.00	0.03	0.026	O	|	|	|	|	0.08
65.917	0.00	0.03	0.025	O	|	|	|	|	0.08
66.000	0.00	0.03	0.025	O	|	|	|	|	0.08
66.083	0.00	0.03	0.025	O	|	|	|	|	0.08
66.167	0.00	0.03	0.025	O	|	|	|	|	0.08
66.250	0.00	0.03	0.025	O	|	|	|	|	0.07
66.333	0.00	0.03	0.024	O	|	|	|	|	0.07
66.417	0.00	0.03	0.024	O	|	|	|	|	0.07
66.500	0.00	0.03	0.024	O	|	|	|	|	0.07
66.583	0.00	0.03	0.024	O	|	|	|	|	0.07
66.667	0.00	0.03	0.024	O	|	|	|	|	0.07
66.750	0.00	0.03	0.024	O	|	|	|	|	0.07
66.833	0.00	0.03	0.023	O	|	|	|	|	0.07
66.917	0.00	0.03	0.023	O	|	|	|	|	0.07
67.000	0.00	0.03	0.023	O	|	|	|	|	0.07
67.083	0.00	0.02	0.023	O	|	|	|	|	0.07

67.167	0.00	0.02	0.023	O	|	|	|	|	0.07
67.250	0.00	0.02	0.023	O	|	|	|	|	0.07
67.333	0.00	0.02	0.022	O	|	|	|	|	0.07
67.417	0.00	0.02	0.022	O	|	|	|	|	0.07
67.500	0.00	0.02	0.022	O	|	|	|	|	0.07
67.583	0.00	0.02	0.022	O	|	|	|	|	0.07
67.667	0.00	0.02	0.022	O	|	|	|	|	0.07
67.750	0.00	0.02	0.022	O	|	|	|	|	0.07
67.833	0.00	0.02	0.021	O	|	|	|	|	0.06
67.917	0.00	0.02	0.021	O	|	|	|	|	0.06
68.000	0.00	0.02	0.021	O	|	|	|	|	0.06
68.083	0.00	0.02	0.021	O	|	|	|	|	0.06
68.167	0.00	0.02	0.021	O	|	|	|	|	0.06
68.250	0.00	0.02	0.021	O	|	|	|	|	0.06
68.333	0.00	0.02	0.020	O	|	|	|	|	0.06
68.417	0.00	0.02	0.020	O	|	|	|	|	0.06
68.500	0.00	0.02	0.020	O	|	|	|	|	0.06
68.583	0.00	0.02	0.020	O	|	|	|	|	0.06
68.667	0.00	0.02	0.020	O	|	|	|	|	0.06
68.750	0.00	0.02	0.020	O	|	|	|	|	0.06
68.833	0.00	0.02	0.020	O	|	|	|	|	0.06
68.917	0.00	0.02	0.019	O	|	|	|	|	0.06
69.000	0.00	0.02	0.019	O	|	|	|	|	0.06
69.083	0.00	0.02	0.019	O	|	|	|	|	0.06
69.167	0.00	0.02	0.019	O	|	|	|	|	0.06
69.250	0.00	0.02	0.019	O	|	|	|	|	0.06
69.333	0.00	0.02	0.019	O	|	|	|	|	0.06
69.417	0.00	0.02	0.019	O	|	|	|	|	0.06
69.500	0.00	0.02	0.018	O	|	|	|	|	0.06
69.583	0.00	0.02	0.018	O	|	|	|	|	0.06
69.667	0.00	0.02	0.018	O	|	|	|	|	0.05
69.750	0.00	0.02	0.018	O	|	|	|	|	0.05
69.833	0.00	0.02	0.018	O	|	|	|	|	0.05
69.917	0.00	0.02	0.018	O	|	|	|	|	0.05
70.000	0.00	0.02	0.018	O	|	|	|	|	0.05
70.083	0.00	0.02	0.017	O	|	|	|	|	0.05
70.167	0.00	0.02	0.017	O	|	|	|	|	0.05
70.250	0.00	0.02	0.017	O	|	|	|	|	0.05
70.333	0.00	0.02	0.017	O	|	|	|	|	0.05
70.417	0.00	0.02	0.017	O	|	|	|	|	0.05
70.500	0.00	0.02	0.017	O	|	|	|	|	0.05
70.583	0.00	0.02	0.017	O	|	|	|	|	0.05
70.667	0.00	0.02	0.017	O	|	|	|	|	0.05
70.750	0.00	0.02	0.016	O	|	|	|	|	0.05
70.833	0.00	0.02	0.016	O	|	|	|	|	0.05
70.917	0.00	0.02	0.016	O	|	|	|	|	0.05
71.000	0.00	0.02	0.016	O	|	|	|	|	0.05
71.083	0.00	0.02	0.016	O	|	|	|	|	0.05
71.167	0.00	0.02	0.016	O	|	|	|	|	0.05
71.250	0.00	0.02	0.016	O	|	|	|	|	0.05
71.333	0.00	0.02	0.016	O	|	|	|	|	0.05
71.417	0.00	0.02	0.015	O	|	|	|	|	0.05
71.500	0.00	0.02	0.015	O	|	|	|	|	0.05
71.583	0.00	0.02	0.015	O	|	|	|	|	0.05
71.667	0.00	0.02	0.015	O	|	|	|	|	0.05
71.750	0.00	0.02	0.015	O	|	|	|	|	0.05
71.833	0.00	0.02	0.015	O	|	|	|	|	0.05
71.917	0.00	0.02	0.015	O	|	|	|	|	0.04
72.000	0.00	0.02	0.015	O	|	|	|	|	0.04
72.083	0.00	0.02	0.015	O	|	|	|	|	0.04
72.167	0.00	0.02	0.014	O	|	|	|	|	0.04
72.250	0.00	0.02	0.014	O	|	|	|	|	0.04
72.333	0.00	0.02	0.014	O	|	|	|	|	0.04
72.417	0.00	0.02	0.014	O	|	|	|	|	0.04
72.500	0.00	0.02	0.014	O	|	|	|	|	0.04
72.583	0.00	0.02	0.014	O	|	|	|	|	0.04
72.667	0.00	0.02	0.014	O	|	|	|	|	0.04

72.750	0.00	0.01	0.014	O	|	|	|	|	0.04
72.833	0.00	0.01	0.014	O	|	|	|	|	0.04
72.917	0.00	0.01	0.014	O	|	|	|	|	0.04
73.000	0.00	0.01	0.013	O	|	|	|	|	0.04
73.083	0.00	0.01	0.013	O	|	|	|	|	0.04
73.167	0.00	0.01	0.013	O	|	|	|	|	0.04
73.250	0.00	0.01	0.013	O	|	|	|	|	0.04
73.333	0.00	0.01	0.013	O	|	|	|	|	0.04
73.417	0.00	0.01	0.013	O	|	|	|	|	0.04
73.500	0.00	0.01	0.013	O	|	|	|	|	0.04
73.583	0.00	0.01	0.013	O	|	|	|	|	0.04
73.667	0.00	0.01	0.013	O	|	|	|	|	0.04
73.750	0.00	0.01	0.013	O	|	|	|	|	0.04
73.833	0.00	0.01	0.012	O	|	|	|	|	0.04
73.917	0.00	0.01	0.012	O	|	|	|	|	0.04
74.000	0.00	0.01	0.012	O	|	|	|	|	0.04
74.083	0.00	0.01	0.012	O	|	|	|	|	0.04
74.167	0.00	0.01	0.012	O	|	|	|	|	0.04
74.250	0.00	0.01	0.012	O	|	|	|	|	0.04
74.333	0.00	0.01	0.012	O	|	|	|	|	0.04
74.417	0.00	0.01	0.012	O	|	|	|	|	0.04
74.500	0.00	0.01	0.012	O	|	|	|	|	0.04
74.583	0.00	0.01	0.012	O	|	|	|	|	0.04
74.667	0.00	0.01	0.012	O	|	|	|	|	0.04
74.750	0.00	0.01	0.011	O	|	|	|	|	0.03
74.833	0.00	0.01	0.011	O	|	|	|	|	0.03
74.917	0.00	0.01	0.011	O	|	|	|	|	0.03
75.000	0.00	0.01	0.011	O	|	|	|	|	0.03
75.083	0.00	0.01	0.011	O	|	|	|	|	0.03
75.167	0.00	0.01	0.011	O	|	|	|	|	0.03
75.250	0.00	0.01	0.011	O	|	|	|	|	0.03
75.333	0.00	0.01	0.011	O	|	|	|	|	0.03
75.417	0.00	0.01	0.011	O	|	|	|	|	0.03
75.500	0.00	0.01	0.011	O	|	|	|	|	0.03
75.583	0.00	0.01	0.011	O	|	|	|	|	0.03
75.667	0.00	0.01	0.011	O	|	|	|	|	0.03
75.750	0.00	0.01	0.010	O	|	|	|	|	0.03
75.833	0.00	0.01	0.010	O	|	|	|	|	0.03
75.917	0.00	0.01	0.010	O	|	|	|	|	0.03
76.000	0.00	0.01	0.010	O	|	|	|	|	0.03
76.083	0.00	0.01	0.010	O	|	|	|	|	0.03
76.167	0.00	0.01	0.010	O	|	|	|	|	0.03
76.250	0.00	0.01	0.010	O	|	|	|	|	0.03
76.333	0.00	0.01	0.010	O	|	|	|	|	0.03
76.417	0.00	0.01	0.010	O	|	|	|	|	0.03
76.500	0.00	0.01	0.010	O	|	|	|	|	0.03
76.583	0.00	0.01	0.010	O	|	|	|	|	0.03
76.667	0.00	0.01	0.010	O	|	|	|	|	0.03
76.750	0.00	0.01	0.010	O	|	|	|	|	0.03
76.833	0.00	0.01	0.010	O	|	|	|	|	0.03
76.917	0.00	0.01	0.009	O	|	|	|	|	0.03
77.000	0.00	0.01	0.009	O	|	|	|	|	0.03
77.083	0.00	0.01	0.009	O	|	|	|	|	0.03
77.167	0.00	0.01	0.009	O	|	|	|	|	0.03
77.250	0.00	0.01	0.009	O	|	|	|	|	0.03
77.333	0.00	0.01	0.009	O	|	|	|	|	0.03
77.417	0.00	0.01	0.009	O	|	|	|	|	0.03
77.500	0.00	0.01	0.009	O	|	|	|	|	0.03
77.583	0.00	0.01	0.009	O	|	|	|	|	0.03
77.667	0.00	0.01	0.009	O	|	|	|	|	0.03
77.750	0.00	0.01	0.009	O	|	|	|	|	0.03
77.833	0.00	0.01	0.009	O	|	|	|	|	0.03
77.917	0.00	0.01	0.009	O	|	|	|	|	0.03
78.000	0.00	0.01	0.009	O	|	|	|	|	0.03
78.083	0.00	0.01	0.008	O	|	|	|	|	0.03
78.167	0.00	0.01	0.008	O	|	|	|	|	0.03
78.250	0.00	0.01	0.008	O	|	|	|	|	0.03

78.333	0.00	0.01	0.008	O	|	|	|	|	0.03
78.417	0.00	0.01	0.008	O	|	|	|	|	0.02
78.500	0.00	0.01	0.008	O	|	|	|	|	0.02
78.583	0.00	0.01	0.008	O	|	|	|	|	0.02
78.667	0.00	0.01	0.008	O	|	|	|	|	0.02
78.750	0.00	0.01	0.008	O	|	|	|	|	0.02
78.833	0.00	0.01	0.008	O	|	|	|	|	0.02
78.917	0.00	0.01	0.008	O	|	|	|	|	0.02
79.000	0.00	0.01	0.008	O	|	|	|	|	0.02
79.083	0.00	0.01	0.008	O	|	|	|	|	0.02
79.167	0.00	0.01	0.008	O	|	|	|	|	0.02
79.250	0.00	0.01	0.008	O	|	|	|	|	0.02
79.333	0.00	0.01	0.008	O	|	|	|	|	0.02
79.417	0.00	0.01	0.008	O	|	|	|	|	0.02
79.500	0.00	0.01	0.007	O	|	|	|	|	0.02
79.583	0.00	0.01	0.007	O	|	|	|	|	0.02
79.667	0.00	0.01	0.007	O	|	|	|	|	0.02
79.750	0.00	0.01	0.007	O	|	|	|	|	0.02
79.833	0.00	0.01	0.007	O	|	|	|	|	0.02
79.917	0.00	0.01	0.007	O	|	|	|	|	0.02
80.000	0.00	0.01	0.007	O	|	|	|	|	0.02
80.083	0.00	0.01	0.007	O	|	|	|	|	0.02
80.167	0.00	0.01	0.007	O	|	|	|	|	0.02
80.250	0.00	0.01	0.007	O	|	|	|	|	0.02
80.333	0.00	0.01	0.007	O	|	|	|	|	0.02
80.417	0.00	0.01	0.007	O	|	|	|	|	0.02
80.500	0.00	0.01	0.007	O	|	|	|	|	0.02
80.583	0.00	0.01	0.007	O	|	|	|	|	0.02
80.667	0.00	0.01	0.007	O	|	|	|	|	0.02
80.750	0.00	0.01	0.007	O	|	|	|	|	0.02
80.833	0.00	0.01	0.007	O	|	|	|	|	0.02
80.917	0.00	0.01	0.007	O	|	|	|	|	0.02
81.000	0.00	0.01	0.007	O	|	|	|	|	0.02
81.083	0.00	0.01	0.006	O	|	|	|	|	0.02
81.167	0.00	0.01	0.006	O	|	|	|	|	0.02
81.250	0.00	0.01	0.006	O	|	|	|	|	0.02
81.333	0.00	0.01	0.006	O	|	|	|	|	0.02
81.417	0.00	0.01	0.006	O	|	|	|	|	0.02
81.500	0.00	0.01	0.006	O	|	|	|	|	0.02
81.583	0.00	0.01	0.006	O	|	|	|	|	0.02
81.667	0.00	0.01	0.006	O	|	|	|	|	0.02
81.750	0.00	0.01	0.006	O	|	|	|	|	0.02
81.833	0.00	0.01	0.006	O	|	|	|	|	0.02
81.917	0.00	0.01	0.006	O	|	|	|	|	0.02
82.000	0.00	0.01	0.006	O	|	|	|	|	0.02
82.083	0.00	0.01	0.006	O	|	|	|	|	0.02
82.167	0.00	0.01	0.006	O	|	|	|	|	0.02
82.250	0.00	0.01	0.006	O	|	|	|	|	0.02
82.333	0.00	0.01	0.006	O	|	|	|	|	0.02
82.417	0.00	0.01	0.006	O	|	|	|	|	0.02
82.500	0.00	0.01	0.006	O	|	|	|	|	0.02
82.583	0.00	0.01	0.006	O	|	|	|	|	0.02
82.667	0.00	0.01	0.006	O	|	|	|	|	0.02
82.750	0.00	0.01	0.006	O	|	|	|	|	0.02
82.833	0.00	0.01	0.006	O	|	|	|	|	0.02
82.917	0.00	0.01	0.005	O	|	|	|	|	0.02
83.000	0.00	0.01	0.005	O	|	|	|	|	0.02
83.083	0.00	0.01	0.005	O	|	|	|	|	0.02
83.167	0.00	0.01	0.005	O	|	|	|	|	0.02
83.250	0.00	0.01	0.005	O	|	|	|	|	0.02
83.333	0.00	0.01	0.005	O	|	|	|	|	0.02
83.417	0.00	0.01	0.005	O	|	|	|	|	0.02
83.500	0.00	0.01	0.005	O	|	|	|	|	0.02
83.583	0.00	0.01	0.005	O	|	|	|	|	0.02
83.667	0.00	0.01	0.005	O	|	|	|	|	0.02
83.750	0.00	0.01	0.005	O	|	|	|	|	0.02
83.833	0.00	0.01	0.005	O	|	|	|	|	0.02

83.917	0.00	0.01	0.005	O	|	|	|	0.02
84.000	0.00	0.01	0.005	O	|	|	|	0.02
84.083	0.00	0.01	0.005	O	|	|	|	0.01
84.167	0.00	0.01	0.005	O	|	|	|	0.01
84.250	0.00	0.01	0.005	O	|	|	|	0.01
84.333	0.00	0.01	0.005	O	|	|	|	0.01
84.417	0.00	0.01	0.005	O	|	|	|	0.01
84.500	0.00	0.01	0.005	O	|	|	|	0.01
84.583	0.00	0.01	0.005	O	|	|	|	0.01
84.667	0.00	0.01	0.005	O	|	|	|	0.01
84.750	0.00	0.01	0.005	O	|	|	|	0.01
84.833	0.00	0.01	0.005	O	|	|	|	0.01
84.917	0.00	0.01	0.005	O	|	|	|	0.01
85.000	0.00	0.00	0.005	O	|	|	|	0.01
85.083	0.00	0.00	0.005	O	|	|	|	0.01
85.167	0.00	0.00	0.004	O	|	|	|	0.01
85.250	0.00	0.00	0.004	O	|	|	|	0.01
85.333	0.00	0.00	0.004	O	|	|	|	0.01
85.417	0.00	0.00	0.004	O	|	|	|	0.01
85.500	0.00	0.00	0.004	O	|	|	|	0.01
85.583	0.00	0.00	0.004	O	|	|	|	0.01
85.667	0.00	0.00	0.004	O	|	|	|	0.01
85.750	0.00	0.00	0.004	O	|	|	|	0.01
85.833	0.00	0.00	0.004	O	|	|	|	0.01
85.917	0.00	0.00	0.004	O	|	|	|	0.01
86.000	0.00	0.00	0.004	O	|	|	|	0.01
86.083	0.00	0.00	0.004	O	|	|	|	0.01
86.167	0.00	0.00	0.004	O	|	|	|	0.01
86.250	0.00	0.00	0.004	O	|	|	|	0.01
86.333	0.00	0.00	0.004	O	|	|	|	0.01
86.417	0.00	0.00	0.004	O	|	|	|	0.01
86.500	0.00	0.00	0.004	O	|	|	|	0.01
86.583	0.00	0.00	0.004	O	|	|	|	0.01
86.667	0.00	0.00	0.004	O	|	|	|	0.01
86.750	0.00	0.00	0.004	O	|	|	|	0.01
86.833	0.00	0.00	0.004	O	|	|	|	0.01
86.917	0.00	0.00	0.004	O	|	|	|	0.01
87.000	0.00	0.00	0.004	O	|	|	|	0.01
87.083	0.00	0.00	0.004	O	|	|	|	0.01
87.167	0.00	0.00	0.004	O	|	|	|	0.01
87.250	0.00	0.00	0.004	O	|	|	|	0.01
87.333	0.00	0.00	0.004	O	|	|	|	0.01
87.417	0.00	0.00	0.004	O	|	|	|	0.01
87.500	0.00	0.00	0.004	O	|	|	|	0.01
87.583	0.00	0.00	0.004	O	|	|	|	0.01
87.667	0.00	0.00	0.004	O	|	|	|	0.01
87.750	0.00	0.00	0.004	O	|	|	|	0.01
87.833	0.00	0.00	0.004	O	|	|	|	0.01
87.917	0.00	0.00	0.003	O	|	|	|	0.01
88.000	0.00	0.00	0.003	O	|	|	|	0.01
88.083	0.00	0.00	0.003	O	|	|	|	0.01
88.167	0.00	0.00	0.003	O	|	|	|	0.01
88.250	0.00	0.00	0.003	O	|	|	|	0.01
88.333	0.00	0.00	0.003	O	|	|	|	0.01
88.417	0.00	0.00	0.003	O	|	|	|	0.01
88.500	0.00	0.00	0.003	O	|	|	|	0.01
88.583	0.00	0.00	0.003	O	|	|	|	0.01
88.667	0.00	0.00	0.003	O	|	|	|	0.01
88.750	0.00	0.00	0.003	O	|	|	|	0.01
88.833	0.00	0.00	0.003	O	|	|	|	0.01
88.917	0.00	0.00	0.003	O	|	|	|	0.01
89.000	0.00	0.00	0.003	O	|	|	|	0.01
89.083	0.00	0.00	0.003	O	|	|	|	0.01
89.167	0.00	0.00	0.003	O	|	|	|	0.01
89.250	0.00	0.00	0.003	O	|	|	|	0.01
89.333	0.00	0.00	0.003	O	|	|	|	0.01
89.417	0.00	0.00	0.003	O	|	|	|	0.01

89.500	0.00	0.00	0.003	O	|	|	|	|	0.01
89.583	0.00	0.00	0.003	O	|	|	|	|	0.01
89.667	0.00	0.00	0.003	O	|	|	|	|	0.01
89.750	0.00	0.00	0.003	O	|	|	|	|	0.01
89.833	0.00	0.00	0.003	O	|	|	|	|	0.01
89.917	0.00	0.00	0.003	O	|	|	|	|	0.01
90.000	0.00	0.00	0.003	O	|	|	|	|	0.01
90.083	0.00	0.00	0.003	O	|	|	|	|	0.01
90.167	0.00	0.00	0.003	O	|	|	|	|	0.01
90.250	0.00	0.00	0.003	O	|	|	|	|	0.01
90.333	0.00	0.00	0.003	O	|	|	|	|	0.01
90.417	0.00	0.00	0.003	O	|	|	|	|	0.01
90.500	0.00	0.00	0.003	O	|	|	|	|	0.01
90.583	0.00	0.00	0.003	O	|	|	|	|	0.01
90.667	0.00	0.00	0.003	O	|	|	|	|	0.01
90.750	0.00	0.00	0.003	O	|	|	|	|	0.01
90.833	0.00	0.00	0.003	O	|	|	|	|	0.01
90.917	0.00	0.00	0.003	O	|	|	|	|	0.01
91.000	0.00	0.00	0.003	O	|	|	|	|	0.01
91.083	0.00	0.00	0.003	O	|	|	|	|	0.01
91.167	0.00	0.00	0.003	O	|	|	|	|	0.01
91.250	0.00	0.00	0.003	O	|	|	|	|	0.01
91.333	0.00	0.00	0.003	O	|	|	|	|	0.01
91.417	0.00	0.00	0.003	O	|	|	|	|	0.01
91.500	0.00	0.00	0.003	O	|	|	|	|	0.01
91.583	0.00	0.00	0.003	O	|	|	|	|	0.01
91.667	0.00	0.00	0.002	O	|	|	|	|	0.01
91.750	0.00	0.00	0.002	O	|	|	|	|	0.01
91.833	0.00	0.00	0.002	O	|	|	|	|	0.01
91.917	0.00	0.00	0.002	O	|	|	|	|	0.01
92.000	0.00	0.00	0.002	O	|	|	|	|	0.01
92.083	0.00	0.00	0.002	O	|	|	|	|	0.01
92.167	0.00	0.00	0.002	O	|	|	|	|	0.01
92.250	0.00	0.00	0.002	O	|	|	|	|	0.01
92.333	0.00	0.00	0.002	O	|	|	|	|	0.01
92.417	0.00	0.00	0.002	O	|	|	|	|	0.01
92.500	0.00	0.00	0.002	O	|	|	|	|	0.01
92.583	0.00	0.00	0.002	O	|	|	|	|	0.01
92.667	0.00	0.00	0.002	O	|	|	|	|	0.01
92.750	0.00	0.00	0.002	O	|	|	|	|	0.01
92.833	0.00	0.00	0.002	O	|	|	|	|	0.01
92.917	0.00	0.00	0.002	O	|	|	|	|	0.01
93.000	0.00	0.00	0.002	O	|	|	|	|	0.01
93.083	0.00	0.00	0.002	O	|	|	|	|	0.01
93.167	0.00	0.00	0.002	O	|	|	|	|	0.01
93.250	0.00	0.00	0.002	O	|	|	|	|	0.01
93.333	0.00	0.00	0.002	O	|	|	|	|	0.01
93.417	0.00	0.00	0.002	O	|	|	|	|	0.01
93.500	0.00	0.00	0.002	O	|	|	|	|	0.01
93.583	0.00	0.00	0.002	O	|	|	|	|	0.01
93.667	0.00	0.00	0.002	O	|	|	|	|	0.01
93.750	0.00	0.00	0.002	O	|	|	|	|	0.01
93.833	0.00	0.00	0.002	O	|	|	|	|	0.01
93.917	0.00	0.00	0.002	O	|	|	|	|	0.01
94.000	0.00	0.00	0.002	O	|	|	|	|	0.01
94.083	0.00	0.00	0.002	O	|	|	|	|	0.01
94.167	0.00	0.00	0.002	O	|	|	|	|	0.01
94.250	0.00	0.00	0.002	O	|	|	|	|	0.01
94.333	0.00	0.00	0.002	O	|	|	|	|	0.01
94.417	0.00	0.00	0.002	O	|	|	|	|	0.01
94.500	0.00	0.00	0.002	O	|	|	|	|	0.01
94.583	0.00	0.00	0.002	O	|	|	|	|	0.01
94.667	0.00	0.00	0.002	O	|	|	|	|	0.01
94.750	0.00	0.00	0.002	O	|	|	|	|	0.01
94.833	0.00	0.00	0.002	O	|	|	|	|	0.01
94.917	0.00	0.00	0.002	O	|	|	|	|	0.01
95.000	0.00	0.00	0.002	O	|	|	|	|	0.01

95.083	0.00	0.00	0.002	O	|	|	|	0.01
95.167	0.00	0.00	0.002	O	|	|	|	0.01
95.250	0.00	0.00	0.002	O	|	|	|	0.01
95.333	0.00	0.00	0.002	O	|	|	|	0.01
95.417	0.00	0.00	0.002	O	|	|	|	0.01
95.500	0.00	0.00	0.002	O	|	|	|	0.01
95.583	0.00	0.00	0.002	O	|	|	|	0.01
95.667	0.00	0.00	0.002	O	|	|	|	0.01
95.750	0.00	0.00	0.002	O	|	|	|	0.01
95.833	0.00	0.00	0.002	O	|	|	|	0.01
95.917	0.00	0.00	0.002	O	|	|	|	0.01
96.000	0.00	0.00	0.002	O	|	|	|	0.01
96.083	0.00	0.00	0.002	O	|	|	|	0.01
96.167	0.00	0.00	0.002	O	|	|	|	0.01
96.250	0.00	0.00	0.002	O	|	|	|	0.01
96.333	0.00	0.00	0.002	O	|	|	|	0.00
96.417	0.00	0.00	0.002	O	|	|	|	0.00
96.500	0.00	0.00	0.002	O	|	|	|	0.00
96.583	0.00	0.00	0.002	O	|	|	|	0.00
96.667	0.00	0.00	0.002	O	|	|	|	0.00
96.750	0.00	0.00	0.002	O	|	|	|	0.00
96.833	0.00	0.00	0.002	O	|	|	|	0.00
96.917	0.00	0.00	0.002	O	|	|	|	0.00
97.000	0.00	0.00	0.002	O	|	|	|	0.00
97.083	0.00	0.00	0.002	O	|	|	|	0.00
97.167	0.00	0.00	0.002	O	|	|	|	0.00
97.250	0.00	0.00	0.002	O	|	|	|	0.00
97.333	0.00	0.00	0.001	O	|	|	|	0.00
97.417	0.00	0.00	0.001	O	|	|	|	0.00
97.500	0.00	0.00	0.001	O	|	|	|	0.00
97.583	0.00	0.00	0.001	O	|	|	|	0.00
97.667	0.00	0.00	0.001	O	|	|	|	0.00
97.750	0.00	0.00	0.001	O	|	|	|	0.00
97.833	0.00	0.00	0.001	O	|	|	|	0.00
97.917	0.00	0.00	0.001	O	|	|	|	0.00
98.000	0.00	0.00	0.001	O	|	|	|	0.00
98.083	0.00	0.00	0.001	O	|	|	|	0.00
98.167	0.00	0.00	0.001	O	|	|	|	0.00
98.250	0.00	0.00	0.001	O	|	|	|	0.00
98.333	0.00	0.00	0.001	O	|	|	|	0.00
98.417	0.00	0.00	0.001	O	|	|	|	0.00
98.500	0.00	0.00	0.001	O	|	|	|	0.00
98.583	0.00	0.00	0.001	O	|	|	|	0.00
98.667	0.00	0.00	0.001	O	|	|	|	0.00
98.750	0.00	0.00	0.001	O	|	|	|	0.00
98.833	0.00	0.00	0.001	O	|	|	|	0.00
98.917	0.00	0.00	0.001	O	|	|	|	0.00
99.000	0.00	0.00	0.001	O	|	|	|	0.00
99.083	0.00	0.00	0.001	O	|	|	|	0.00
99.167	0.00	0.00	0.001	O	|	|	|	0.00
99.250	0.00	0.00	0.001	O	|	|	|	0.00
99.333	0.00	0.00	0.001	O	|	|	|	0.00
99.417	0.00	0.00	0.001	O	|	|	|	0.00
99.500	0.00	0.00	0.001	O	|	|	|	0.00
99.583	0.00	0.00	0.001	O	|	|	|	0.00
99.667	0.00	0.00	0.001	O	|	|	|	0.00
99.750	0.00	0.00	0.001	O	|	|	|	0.00
99.833	0.00	0.00	0.001	O	|	|	|	0.00
99.917	0.00	0.00	0.001	O	|	|	|	0.00
100.000	0.00	0.00	0.001	O	|	|	|	0.00
100.083	0.00	0.00	0.001	O	|	|	|	0.00
100.167	0.00	0.00	0.001	O	|	|	|	0.00
100.250	0.00	0.00	0.001	O	|	|	|	0.00
100.333	0.00	0.00	0.001	O	|	|	|	0.00
100.417	0.00	0.00	0.001	O	|	|	|	0.00
100.500	0.00	0.00	0.001	O	|	|	|	0.00
100.583	0.00	0.00	0.001	O	|	|	|	0.00

100.667	0.00	0.00	0.001	O	|	|	|	|	0.00
100.750	0.00	0.00	0.001	O	|	|	|	|	0.00
100.833	0.00	0.00	0.001	O	|	|	|	|	0.00
100.917	0.00	0.00	0.001	O	|	|	|	|	0.00
101.000	0.00	0.00	0.001	O	|	|	|	|	0.00
101.083	0.00	0.00	0.001	O	|	|	|	|	0.00
101.167	0.00	0.00	0.001	O	|	|	|	|	0.00
101.250	0.00	0.00	0.001	O	|	|	|	|	0.00
101.333	0.00	0.00	0.001	O	|	|	|	|	0.00
101.417	0.00	0.00	0.001	O	|	|	|	|	0.00
101.500	0.00	0.00	0.001	O	|	|	|	|	0.00
101.583	0.00	0.00	0.001	O	|	|	|	|	0.00
101.667	0.00	0.00	0.001	O	|	|	|	|	0.00
101.750	0.00	0.00	0.001	O	|	|	|	|	0.00
101.833	0.00	0.00	0.001	O	|	|	|	|	0.00
101.917	0.00	0.00	0.001	O	|	|	|	|	0.00
102.000	0.00	0.00	0.001	O	|	|	|	|	0.00
102.083	0.00	0.00	0.001	O	|	|	|	|	0.00
102.167	0.00	0.00	0.001	O	|	|	|	|	0.00
102.250	0.00	0.00	0.001	O	|	|	|	|	0.00
102.333	0.00	0.00	0.001	O	|	|	|	|	0.00
102.417	0.00	0.00	0.001	O	|	|	|	|	0.00
102.500	0.00	0.00	0.001	O	|	|	|	|	0.00
102.583	0.00	0.00	0.001	O	|	|	|	|	0.00
102.667	0.00	0.00	0.001	O	|	|	|	|	0.00
102.750	0.00	0.00	0.001	O	|	|	|	|	0.00
102.833	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 1234
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.978 (CFS)
Total volume = 2.354 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRF2410.rte

**********HYDROGRAPH DATA**********

Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 7.749 (CFS)
Total volume = 4.709 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN F- ROUTING
10YR-24HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.330	0.360	0.329	0.331
2.000	0.720	0.580	0.718	0.722
3.000	1.150	0.750	1.147	1.153
4.000	1.650	0.880	1.647	1.653
5.000	2.200	1.000	2.197	2.203
6.000	2.810	1.910	2.803	2.817
7.000	3.480	2.340	3.472	3.488
8.000	4.230	2.680	4.221	4.239
9.000	5.040	69.580	4.800	5.280

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.9	3.87	5.81	7.75 Depth (Ft.)
0.083	0.26	0.00	0.001	OI	|	|	|	| 0.00

0.167	0.43	0.00	0.003	OI	|	|	|	0.01
0.250	0.46	0.01	0.006	OI	|	|	|	0.02
0.333	0.59	0.01	0.010	O I	|	|	|	0.03
0.417	0.67	0.02	0.014	O I	|	|	|	0.04
0.500	0.68	0.02	0.019	O I	|	|	|	0.06
0.583	0.68	0.03	0.023	O I	|	|	|	0.07
0.667	0.68	0.03	0.028	O I	|	|	|	0.08
0.750	0.68	0.04	0.032	O I	|	|	|	0.10
0.833	0.81	0.04	0.037	O I	|	|	|	0.11
0.917	0.90	0.05	0.043	O I	|	|	|	0.13
1.000	0.91	0.05	0.048	O I	|	|	|	0.15
1.083	0.78	0.06	0.054	O I	|	|	|	0.16
1.167	0.70	0.06	0.059	O I	|	|	|	0.18
1.250	0.68	0.07	0.063	O I	|	|	|	0.19
1.333	0.68	0.07	0.067	O I	|	|	|	0.20
1.417	0.68	0.08	0.071	O I	|	|	|	0.22
1.500	0.68	0.08	0.075	O I	|	|	|	0.23
1.583	0.68	0.09	0.080	O I	|	|	|	0.24
1.667	0.68	0.09	0.084	O I	|	|	|	0.25
1.750	0.68	0.10	0.088	O I	|	|	|	0.27
1.833	0.81	0.10	0.092	O I	|	|	|	0.28
1.917	0.90	0.11	0.097	O I	|	|	|	0.30
2.000	0.91	0.11	0.103	O I	|	|	|	0.31
2.083	0.91	0.12	0.108	O I	|	|	|	0.33
2.167	0.91	0.12	0.114	O I	|	|	|	0.34
2.250	0.91	0.13	0.119	O I	|	|	|	0.36
2.333	0.91	0.14	0.125	O I	|	|	|	0.38
2.417	0.91	0.14	0.130	O I	|	|	|	0.39
2.500	0.91	0.15	0.135	O I	|	|	|	0.41
2.583	1.04	0.15	0.141	O I	|	|	|	0.43
2.667	1.13	0.16	0.147	O I	|	|	|	0.45
2.750	1.14	0.17	0.154	O I	|	|	|	0.47
2.833	1.14	0.18	0.161	O I	|	|	|	0.49
2.917	1.14	0.18	0.167	O I	|	|	|	0.51
3.000	1.14	0.19	0.174	O I	|	|	|	0.53
3.083	1.14	0.20	0.180	O I	|	|	|	0.55
3.167	1.14	0.20	0.187	O I	|	|	|	0.57
3.250	1.14	0.21	0.193	O I	|	|	|	0.59
3.333	1.14	0.22	0.200	O I	|	|	|	0.60
3.417	1.14	0.22	0.206	O I	|	|	|	0.62
3.500	1.14	0.23	0.212	O I	|	|	|	0.64
3.583	1.14	0.24	0.218	O I	|	|	|	0.66
3.667	1.14	0.25	0.225	|O I	|	|	|	0.68
3.750	1.14	0.25	0.231	|O I	|	|	|	0.70
3.833	1.27	0.26	0.237	|O I	|	|	|	0.72
3.917	1.35	0.27	0.244	|O I	|	|	|	0.74
4.000	1.37	0.27	0.252	|O I	|	|	|	0.76
4.083	1.37	0.28	0.259	|O I	|	|	|	0.79
4.167	1.37	0.29	0.267	|O I	|	|	|	0.81
4.250	1.37	0.30	0.274	|O I	|	|	|	0.83
4.333	1.50	0.31	0.282	|O I	|	|	|	0.85
4.417	1.58	0.32	0.291	|O I	|	|	|	0.88
4.500	1.60	0.33	0.299	|O I	|	|	|	0.91
4.583	1.60	0.34	0.308	|O I	|	|	|	0.93
4.667	1.60	0.35	0.317	|O I	|	|	|	0.96
4.750	1.60	0.35	0.325	|O I	|	|	|	0.99
4.833	1.73	0.36	0.334	|O I|	|	|	|	1.01
4.917	1.81	0.37	0.344	|O I|	|	|	|	1.04
5.000	1.82	0.37	0.354	|O I|	|	|	|	1.06
5.083	1.56	0.38	0.363	|O I |	|	|	|	1.08
5.167	1.39	0.38	0.370	|O I |	|	|	|	1.10
5.250	1.37	0.39	0.377	|O I |	|	|	|	1.12
5.333	1.50	0.39	0.384	|O I |	|	|	|	1.14
5.417	1.58	0.40	0.392	|O I |	|	|	|	1.16
5.500	1.60	0.40	0.401	|O I |	|	|	|	1.18
5.583	1.73	0.40	0.409	|O I|	|	|	|	1.20
5.667	1.81	0.41	0.419	|O I|	|	|	|	1.23

5.750	1.82	0.42	0.428	O	I				1.25
5.833	1.82	0.42	0.438	O	I				1.28
5.917	1.82	0.43	0.448	O	I				1.30
6.000	1.82	0.43	0.457	O	I				1.33
6.083	1.95	0.44	0.467	O	I				1.35
6.167	2.04	0.44	0.478	O	I				1.38
6.250	2.05	0.45	0.489	O	I				1.41
6.333	2.05	0.46	0.500	O	I				1.44
6.417	2.05	0.46	0.511	O	I				1.46
6.500	2.05	0.47	0.522	O	I				1.49
6.583	2.18	0.47	0.533	O	I				1.52
6.667	2.27	0.48	0.545	O	I				1.55
6.750	2.28	0.49	0.557	O	I				1.58
6.833	2.28	0.50	0.570	O	I				1.61
6.917	2.28	0.50	0.582	O	I				1.65
7.000	2.28	0.51	0.594	O	I				1.68
7.083	2.28	0.52	0.606	O	I				1.71
7.167	2.28	0.52	0.619	O	I				1.74
7.250	2.28	0.53	0.631	O	I				1.77
7.333	2.41	0.54	0.643	O	I				1.80
7.417	2.49	0.54	0.656	O	I				1.84
7.500	2.51	0.55	0.670	O	I				1.87
7.583	2.64	0.56	0.684	O	I				1.91
7.667	2.72	0.57	0.698	O	I				1.94
7.750	2.73	0.58	0.713	O	I				1.98
7.833	2.86	0.58	0.728	O	I				2.02
7.917	2.95	0.59	0.744	O	I				2.06
8.000	2.96	0.60	0.761	O	I				2.09
8.083	3.22	0.60	0.778	O	I				2.13
8.167	3.39	0.61	0.796	O	I				2.18
8.250	3.42	0.62	0.816	O	I				2.22
8.333	3.42	0.63	0.835	O	I				2.27
8.417	3.42	0.63	0.854	O	I				2.31
8.500	3.42	0.64	0.873	O	I				2.36
8.583	3.55	0.65	0.893	O	I				2.40
8.667	3.63	0.66	0.913	O	I				2.45
8.750	3.65	0.66	0.933	O	I				2.50
8.833	3.78	0.67	0.954	O	I				2.55
8.917	3.86	0.68	0.976	O	I				2.60
9.000	3.87	0.69	0.998	O	I				2.65
9.083	4.13	0.70	1.021	O	I				2.70
9.167	4.30	0.71	1.045	O	I				2.76
9.250	4.33	0.72	1.070	O	I				2.81
9.333	4.46	0.73	1.095	O	I				2.87
9.417	4.54	0.74	1.121	O	I				2.93
9.500	4.56	0.75	1.147	O	I				2.99
9.583	4.69	0.76	1.174	O	I				3.05
9.667	4.77	0.76	1.201	O	I				3.10
9.750	4.79	0.77	1.229	O	I				3.16
9.833	4.92	0.78	1.257	O	I				3.21
9.917	5.00	0.79	1.286	O	I				3.27
10.000	5.01	0.79	1.315	O	I				3.33
10.083	4.10	0.80	1.341	O	I				3.38
10.167	3.51	0.80	1.361	O	I				3.42
10.250	3.42	0.81	1.380	O	I				3.46
10.333	3.42	0.81	1.398	O	I				3.50
10.417	3.42	0.82	1.416	O	I				3.53
10.500	3.42	0.82	1.433	O	I				3.57
10.583	4.07	0.83	1.454	O	I				3.61
10.667	4.49	0.84	1.477	O	I				3.65
10.750	4.56	0.84	1.503	O	I				3.71
10.833	4.56	0.85	1.528	O	I				3.76
10.917	4.56	0.85	1.554	O	I				3.81
11.000	4.56	0.86	1.579	O	I				3.86
11.083	4.43	0.87	1.604	O	I				3.91
11.167	4.34	0.87	1.628	O	I				3.96
11.250	4.33	0.88	1.652	O	I				4.00

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11.333    4.33    0.89      1.676  |  O    |       |I      |       |     4.05
11.417    4.33    0.89      1.700  |  O    |       |I      |       |     4.09
11.500    4.33    0.90      1.723  |  O    |       |I      |       |     4.13
11.583    4.07    0.90      1.746  |  O    |       I       |       |     4.17
11.667    3.90    0.91      1.767  |  O    |       I       |       |     4.21
11.750    3.87    0.91      1.788  |  O    |       I       |       |     4.25
11.833    4.00    0.91      1.809  |  O    |       I       |       |     4.29
11.917    4.09    0.92      1.830  |  O    |       I       |       |     4.33
12.000    4.10    0.92      1.852  |  O    |       I       |       |     4.37
12.083    5.01    0.93      1.877  |  O    |       |   I   |       |     4.41
12.167    5.60    0.94      1.907  |  O    |       |      I|       |     4.47
12.250    5.70    0.94      1.940  |  O    |       |      I|       |     4.53
12.333    5.83    0.95      1.973  |  O    |       |       I       |     4.59
12.417    5.91    0.96      2.007  |  O    |       |       I       |     4.65
12.500    5.93    0.97      2.041  |  O    |       |       I       |     4.71
12.583    6.19    0.97      2.076  |   O   |       |       |I      |     4.77
12.667    6.35    0.98      2.112  |   O   |       |       | I     |     4.84
12.750    6.38    0.99      2.149  |   O   |       |       | I     |     4.91
12.833    6.51    1.00      2.187  |   O   |       |       | I     |     4.98
12.917    6.60    1.04      2.225  |   O   |       |       |  I    |     5.04
13.000    6.61    1.09      2.263  |   O   |       |       |  I    |     5.10
13.083    7.26    1.15      2.303  |   O   |       |       |    I  |     5.17
13.167    7.68    1.22      2.347  |    O  |       |       |      I|     5.24
13.250    7.75    1.29      2.391  |    O  |       |       |       I     5.31
13.333    7.75    1.35      2.435  |    O  |       |       |       I     5.39
13.417    7.75    1.42      2.479  |    O  |       |       |       I     5.46
13.500    7.75    1.48      2.523  |     O |       |       |       I     5.53
13.583    6.32    1.54      2.561  |     O |       |       | I     |     5.59
13.667    5.39    1.58      2.590  |     O |       |     I |       |     5.64
13.750    5.24    1.62      2.616  |     O |       |    I  |       |     5.68
13.833    5.24    1.66      2.641  |     O |       |    I  |       |     5.72
13.917    5.24    1.69      2.665  |     O |       |    I  |       |     5.76
14.000    5.24    1.73      2.689  |      O|       |    I  |       |     5.80
14.083    5.76    1.77      2.715  |      O|       |      I|       |     5.84
14.167    6.10    1.81      2.744  |      O|       |       |I      |     5.89
14.250    6.15    1.86      2.773  |      O|       |       |I      |     5.94
14.333    6.02    1.90      2.802  |      O|       |       I       |     5.99
14.417    5.94    1.92      2.830  |      O|       |       I       |     6.03
14.500    5.93    1.94      2.858  |       O       |       I       |     6.07
14.583    5.93    1.96      2.885  |       O       |       I       |     6.11
14.667    5.93    1.98      2.913  |       O       |       I       |     6.15
14.750    5.93    1.99      2.940  |       O       |       I       |     6.19
14.833    5.80    2.01      2.966  |       O       |      I|       |     6.23
14.917    5.71    2.03      2.992  |       O       |      I|       |     6.27
15.000    5.70    2.04      3.017  |       O       |      I|       |     6.31
15.083    5.57    2.06      3.042  |       O       |     I |       |     6.35
15.167    5.48    2.07      3.066  |       O       |     I |       |     6.38
15.250    5.47    2.09      3.089  |       O       |     I |       |     6.42
15.333    5.34    2.10      3.112  |       O       |     I |       |     6.45
15.417    5.26    2.12      3.134  |       O       |    I  |       |     6.48
15.500    5.24    2.13      3.155  |       O       |    I  |       |     6.52
15.583    4.72    2.14      3.175  |       O       |  I    |       |     6.54
15.667    4.39    2.15      3.192  |       O       | I     |       |     6.57
15.750    4.33    2.16      3.207  |       O       |I      |       |     6.59
15.833    4.33    2.17      3.222  |       O       |I      |       |     6.61
15.917    4.33    2.18      3.236  |       |O      |I      |       |     6.64
16.000    4.33    2.19      3.251  |       |O      |I      |       |     6.66
16.083    2.38    2.20      3.259  |       |O      |       |       |     6.67
16.167    1.12    2.20      3.256  |   I   |O      |       |       |     6.67
16.250    0.91    2.19      3.248  |  I    |O      |       |       |     6.65
16.333    0.91    2.19      3.239  |  I    |O      |       |       |     6.64
16.417    0.91    2.18      3.230  |  I    |O      |       |       |     6.63
16.500    0.91    2.17      3.222  |  I    O       |       |       |     6.61
16.583    0.78    2.17      3.213  |  I    O       |       |       |     6.60
16.667    0.70    2.16      3.203  | I     O       |       |       |     6.59
16.750    0.68    2.16      3.193  | I     O       |       |       |     6.57
16.833    0.68    2.15      3.183  | I     O       |       |       |     6.56
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16.917    0.68    2.14      3.173  | I     O       |       |       |     6.54
17.000    0.68    2.14      3.162  | I     O       |       |       |     6.53
17.083    0.94    2.13      3.153  |  I    O       |       |       |     6.51
17.167    1.11    2.13      3.146  |   I   O       |       |       |     6.50
17.250    1.14    2.12      3.139  |   I   O       |       |       |     6.49
17.333    1.14    2.12      3.132  |   I   O       |       |       |     6.48
17.417    1.14    2.11      3.125  |   I   O       |       |       |     6.47
17.500    1.14    2.11      3.119  |   I   O       |       |       |     6.46
17.583    1.14    2.10      3.112  |   I   O       |       |       |     6.45
17.667    1.14    2.10      3.106  |   I   O       |       |       |     6.44
17.750    1.14    2.10      3.099  |   I   O       |       |       |     6.43
17.833    1.01    2.09      3.092  |   I   O       |       |       |     6.42
17.917    0.93    2.09      3.084  |  I    O       |       |       |     6.41
18.000    0.91    2.08      3.076  |  I    O       |       |       |     6.40
18.083    0.91    2.08      3.068  |  I    O       |       |       |     6.39
18.167    0.91    2.07      3.060  |  I    O       |       |       |     6.37
18.250    0.91    2.07      3.052  |  I    O       |       |       |     6.36
18.333    0.91    2.06      3.044  |  I    O       |       |       |     6.35
18.417    0.91    2.06      3.036  |  I    O       |       |       |     6.34
18.500    0.91    2.05      3.028  |  I    O       |       |       |     6.33
18.583    0.78    2.04      3.020  |  I    O       |       |       |     6.31
18.667    0.70    2.04      3.011  | I     O       |       |       |     6.30
18.750    0.68    2.03      3.002  | I     O       |       |       |     6.29
18.833    0.55    2.03      2.992  | I     O       |       |       |     6.27
18.917    0.47    2.02      2.982  |I      O       |       |       |     6.26
19.000    0.46    2.01      2.971  |I      O       |       |       |     6.24
19.083    0.59    2.01      2.961  | I     O       |       |       |     6.23
19.167    0.67    2.00      2.951  | I     O       |       |       |     6.21
19.250    0.68    1.99      2.942  | I     O       |       |       |     6.20
19.333    0.81    1.99      2.934  |  I    O       |       |       |     6.18
19.417    0.90    1.98      2.926  |  I    O       |       |       |     6.17
19.500    0.91    1.98      2.919  |  I    O       |       |       |     6.16
19.583    0.78    1.97      2.911  |  I    O       |       |       |     6.15
19.667    0.70    1.97      2.902  | I     O       |       |       |     6.14
19.750    0.68    1.96      2.893  | I     O       |       |       |     6.12
19.833    0.55    1.96      2.884  | I     O       |       |       |     6.11
19.917    0.47    1.95      2.874  |I      O       |       |       |     6.10
20.000    0.46    1.94      2.864  |I      O       |       |       |     6.08
20.083    0.59    1.94      2.854  | I     O       |       |       |     6.07
20.167    0.67    1.93      2.845  | I    O|       |       |       |     6.05
20.250    0.68    1.93      2.837  | I    O|       |       |       |     6.04
20.333    0.68    1.92      2.828  | I    O|       |       |       |     6.03
20.417    0.68    1.92      2.820  | I    O|       |       |       |     6.01
20.500    0.68    1.91      2.811  | I    O|       |       |       |     6.00
20.583    0.68    1.90      2.803  | I    O|       |       |       |     5.99
20.667    0.68    1.89      2.794  | I    O|       |       |       |     5.97
20.750    0.68    1.87      2.786  | I    O|       |       |       |     5.96
20.833    0.55    1.86      2.778  | I    O|       |       |       |     5.95
20.917    0.47    1.85      2.768  |I     O|       |       |       |     5.93
21.000    0.46    1.83      2.759  |I     O|       |       |       |     5.92
21.083    0.59    1.82      2.750  | I    O|       |       |       |     5.90
21.167    0.67    1.81      2.742  | I    O|       |       |       |     5.89
21.250    0.68    1.80      2.734  | I    O|       |       |       |     5.88
21.333    0.55    1.78      2.726  | I    O|       |       |       |     5.86
21.417    0.47    1.77      2.717  |I     O|       |       |       |     5.85
21.500    0.46    1.76      2.708  |I     O|       |       |       |     5.83
21.583    0.59    1.75      2.700  | I    O|       |       |       |     5.82
21.667    0.67    1.73      2.692  | I    O|       |       |       |     5.81
21.750    0.68    1.72      2.685  | I    O|       |       |       |     5.79
21.833    0.55    1.71      2.677  | I    O|       |       |       |     5.78
21.917    0.47    1.70      2.669  |I     O|       |       |       |     5.77
22.000    0.46    1.69      2.660  |I    O |       |       |       |     5.75
22.083    0.59    1.68      2.652  | I   O |       |       |       |     5.74
22.167    0.67    1.66      2.645  | I   O |       |       |       |     5.73
22.250    0.68    1.65      2.639  | I   O |       |       |       |     5.72
22.333    0.55    1.64      2.631  | I   O |       |       |       |     5.71
22.417    0.47    1.63      2.624  |I    O |       |       |       |     5.69
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22.500	0.46	1.62	2.616	|I O |	|	|	|	5.68
22.583	0.46	1.61	2.608	|I O |	|	|	|	5.67
22.667	0.46	1.60	2.600	|I O |	|	|	|	5.66
22.750	0.46	1.58	2.592	|I O |	|	|	|	5.64
22.833	0.46	1.57	2.584	|I O |	|	|	|	5.63
22.917	0.46	1.56	2.577	|I O |	|	|	|	5.62
23.000	0.46	1.55	2.569	|I O |	|	|	|	5.60
23.083	0.46	1.54	2.562	|I O |	|	|	|	5.59
23.167	0.46	1.53	2.554	|I O |	|	|	|	5.58
23.250	0.46	1.52	2.547	|I O |	|	|	|	5.57
23.333	0.46	1.51	2.539	|I O |	|	|	|	5.56
23.417	0.46	1.50	2.532	|I O |	|	|	|	5.54
23.500	0.46	1.49	2.525	|I O |	|	|	|	5.53
23.583	0.46	1.47	2.518	|I O |	|	|	|	5.52
23.667	0.46	1.46	2.511	|I O |	|	|	|	5.51
23.750	0.46	1.45	2.504	|I O |	|	|	|	5.50
23.833	0.46	1.44	2.497	|I O |	|	|	|	5.49
23.917	0.46	1.43	2.491	|I O |	|	|	|	5.48
24.000	0.46	1.42	2.484	|I O |	|	|	|	5.47
24.083	0.20	1.41	2.476	I O |	|	|	|	5.45
24.167	0.03	1.40	2.467	I O |	|	|	|	5.44
24.250	0.00	1.38	2.458	I O |	|	|	|	5.42
24.333	0.00	1.37	2.449	I O |	|	|	|	5.41
24.417	0.00	1.36	2.439	I O |	|	|	|	5.39
24.500	0.00	1.34	2.430	I O |	|	|	|	5.38
24.583	0.00	1.33	2.421	I O |	|	|	|	5.36
24.667	0.00	1.32	2.412	I O |	|	|	|	5.35
24.750	0.00	1.30	2.402	I O |	|	|	|	5.33
24.833	0.00	1.29	2.394	I O |	|	|	|	5.32
24.917	0.00	1.28	2.385	I O |	|	|	|	5.30
25.000	0.00	1.26	2.376	I O |	|	|	|	5.29
25.083	0.00	1.25	2.367	I O |	|	|	|	5.27
25.167	0.00	1.24	2.359	I O |	|	|	|	5.26
25.250	0.00	1.22	2.350	I O |	|	|	|	5.25
25.333	0.00	1.21	2.342	I O |	|	|	|	5.23
25.417	0.00	1.20	2.334	I O |	|	|	|	5.22
25.500	0.00	1.19	2.325	I O |	|	|	|	5.21
25.583	0.00	1.17	2.317	I O |	|	|	|	5.19
25.667	0.00	1.16	2.309	I O |	|	|	|	5.18
25.750	0.00	1.15	2.301	I O |	|	|	|	5.17
25.833	0.00	1.14	2.293	I O |	|	|	|	5.15
25.917	0.00	1.13	2.286	I O |	|	|	|	5.14
26.000	0.00	1.12	2.278	I O |	|	|	|	5.13
26.083	0.00	1.10	2.270	I O |	|	|	|	5.12
26.167	0.00	1.09	2.263	I O |	|	|	|	5.10
26.250	0.00	1.08	2.255	I O |	|	|	|	5.09
26.333	0.00	1.07	2.248	I O |	|	|	|	5.08
26.417	0.00	1.06	2.240	I O |	|	|	|	5.07
26.500	0.00	1.05	2.233	I O |	|	|	|	5.05
26.583	0.00	1.04	2.226	I O |	|	|	|	5.04
26.667	0.00	1.03	2.219	I O |	|	|	|	5.03
26.750	0.00	1.02	2.212	I O |	|	|	|	5.02
26.833	0.00	1.01	2.205	I O |	|	|	|	5.01
26.917	0.00	1.00	2.198	I O |	|	|	|	5.00
27.000	0.00	1.00	2.191	I O |	|	|	|	4.98
27.083	0.00	1.00	2.184	I O |	|	|	|	4.97
27.167	0.00	1.00	2.177	I O |	|	|	|	4.96
27.250	0.00	0.99	2.170	I O |	|	|	|	4.95
27.333	0.00	0.99	2.164	I O |	|	|	|	4.93
27.417	0.00	0.99	2.157	I O |	|	|	|	4.92
27.500	0.00	0.99	2.150	I O |	|	|	|	4.91
27.583	0.00	0.99	2.143	I O |	|	|	|	4.90
27.667	0.00	0.99	2.136	I O |	|	|	|	4.88
27.750	0.00	0.98	2.130	I O |	|	|	|	4.87
27.833	0.00	0.98	2.123	I O |	|	|	|	4.86
27.917	0.00	0.98	2.116	I O |	|	|	|	4.85
28.000	0.00	0.98	2.109	I O |	|	|	|	4.83

28.083	0.00	0.98	2.103	I	O	|	|	|	| 4.82
28.167	0.00	0.98	2.096	I	O	|	|	|	| 4.81
28.250	0.00	0.98	2.089	I	O	|	|	|	| 4.80
28.333	0.00	0.97	2.082	I	O	|	|	|	| 4.79
28.417	0.00	0.97	2.076	I	O	|	|	|	| 4.77
28.500	0.00	0.97	2.069	I	O	|	|	|	| 4.76
28.583	0.00	0.97	2.062	I	O	|	|	|	| 4.75
28.667	0.00	0.97	2.056	I	O	|	|	|	| 4.74
28.750	0.00	0.97	2.049	I	O	|	|	|	| 4.73
28.833	0.00	0.97	2.042	I	O	|	|	|	| 4.71
28.917	0.00	0.96	2.036	I	O	|	|	|	| 4.70
29.000	0.00	0.96	2.029	I	O	|	|	|	| 4.69
29.083	0.00	0.96	2.022	I	O	|	|	|	| 4.68
29.167	0.00	0.96	2.016	I	O	|	|	|	| 4.66
29.250	0.00	0.96	2.009	I	O	|	|	|	| 4.65
29.333	0.00	0.96	2.003	I	O	|	|	|	| 4.64
29.417	0.00	0.96	1.996	I	O	|	|	|	| 4.63
29.500	0.00	0.95	1.989	I	O	|	|	|	| 4.62
29.583	0.00	0.95	1.983	I	O	|	|	|	| 4.61
29.667	0.00	0.95	1.976	I	O	|	|	|	| 4.59
29.750	0.00	0.95	1.970	I	O	|	|	|	| 4.58
29.833	0.00	0.95	1.963	I	O	|	|	|	| 4.57
29.917	0.00	0.95	1.957	I	O	|	|	|	| 4.56
30.000	0.00	0.95	1.950	I	O	|	|	|	| 4.55
30.083	0.00	0.94	1.944	I	O	|	|	|	| 4.53
30.167	0.00	0.94	1.937	I	O	|	|	|	| 4.52
30.250	0.00	0.94	1.931	I	O	|	|	|	| 4.51
30.333	0.00	0.94	1.924	I	O	|	|	|	| 4.50
30.417	0.00	0.94	1.918	I	O	|	|	|	| 4.49
30.500	0.00	0.94	1.911	I	O	|	|	|	| 4.47
30.583	0.00	0.94	1.905	I	O	|	|	|	| 4.46
30.667	0.00	0.93	1.898	I	O	|	|	|	| 4.45
30.750	0.00	0.93	1.892	I	O	|	|	|	| 4.44
30.833	0.00	0.93	1.885	I	O	|	|	|	| 4.43
30.917	0.00	0.93	1.879	I	O	|	|	|	| 4.42
31.000	0.00	0.93	1.873	I	O	|	|	|	| 4.40
31.083	0.00	0.93	1.866	I	O	|	|	|	| 4.39
31.167	0.00	0.93	1.860	I	O	|	|	|	| 4.38
31.250	0.00	0.92	1.854	I	O	|	|	|	| 4.37
31.333	0.00	0.92	1.847	I	O	|	|	|	| 4.36
31.417	0.00	0.92	1.841	I	O	|	|	|	| 4.35
31.500	0.00	0.92	1.834	I	O	|	|	|	| 4.34
31.583	0.00	0.92	1.828	I	O	|	|	|	| 4.32
31.667	0.00	0.92	1.822	I	O	|	|	|	| 4.31
31.750	0.00	0.92	1.816	I	O	|	|	|	| 4.30
31.833	0.00	0.91	1.809	I	O	|	|	|	| 4.29
31.917	0.00	0.91	1.803	I	O	|	|	|	| 4.28
32.000	0.00	0.91	1.797	I	O	|	|	|	| 4.27
32.083	0.00	0.91	1.790	I	O	|	|	|	| 4.26
32.167	0.00	0.91	1.784	I	O	|	|	|	| 4.24
32.250	0.00	0.91	1.778	I	O	|	|	|	| 4.23
32.333	0.00	0.91	1.772	I	O	|	|	|	| 4.22
32.417	0.00	0.91	1.765	I	O	|	|	|	| 4.21
32.500	0.00	0.90	1.759	I	O	|	|	|	| 4.20
32.583	0.00	0.90	1.753	I	O	|	|	|	| 4.19
32.667	0.00	0.90	1.747	I	O	|	|	|	| 4.18
32.750	0.00	0.90	1.740	I	O	|	|	|	| 4.16
32.833	0.00	0.90	1.734	I	O	|	|	|	| 4.15
32.917	0.00	0.90	1.728	I	O	|	|	|	| 4.14
33.000	0.00	0.90	1.722	I	O	|	|	|	| 4.13
33.083	0.00	0.89	1.716	I	O	|	|	|	| 4.12
33.167	0.00	0.89	1.710	I	O	|	|	|	| 4.11
33.250	0.00	0.89	1.703	I	O	|	|	|	| 4.10
33.333	0.00	0.89	1.697	I	O	|	|	|	| 4.09
33.417	0.00	0.89	1.691	I	O	|	|	|	| 4.07
33.500	0.00	0.89	1.685	I	O	|	|	|	| 4.06
33.583	0.00	0.89	1.679	I	O	|	|	|	| 4.05

33.667	0.00	0.88	1.673	I	O	|	|	|	|	4.04
33.750	0.00	0.88	1.667	I	O	|	|	|	|	4.03
33.833	0.00	0.88	1.661	I	O	|	|	|	|	4.02
33.917	0.00	0.88	1.655	I	O	|	|	|	|	4.01
34.000	0.00	0.88	1.649	I	O	|	|	|	|	4.00
34.083	0.00	0.88	1.643	I	O	|	|	|	|	3.99
34.167	0.00	0.88	1.636	I	O	|	|	|	|	3.97
34.250	0.00	0.87	1.630	I	O	|	|	|	|	3.96
34.333	0.00	0.87	1.624	I	O	|	|	|	|	3.95
34.417	0.00	0.87	1.618	I	O	|	|	|	|	3.94
34.500	0.00	0.87	1.612	I	O	|	|	|	|	3.92
34.583	0.00	0.87	1.606	I	O	|	|	|	|	3.91
34.667	0.00	0.87	1.600	I	O	|	|	|	|	3.90
34.750	0.00	0.87	1.594	I	O	|	|	|	|	3.89
34.833	0.00	0.86	1.589	I	O	|	|	|	|	3.88
34.917	0.00	0.86	1.583	I	O	|	|	|	|	3.87
35.000	0.00	0.86	1.577	I	O	|	|	|	|	3.85
35.083	0.00	0.86	1.571	I	O	|	|	|	|	3.84
35.167	0.00	0.86	1.565	I	O	|	|	|	|	3.83
35.250	0.00	0.86	1.559	I	O	|	|	|	|	3.82
35.333	0.00	0.85	1.553	I	O	|	|	|	|	3.81
35.417	0.00	0.85	1.547	I	O	|	|	|	|	3.79
35.500	0.00	0.85	1.541	I	O	|	|	|	|	3.78
35.583	0.00	0.85	1.535	I	O	|	|	|	|	3.77
35.667	0.00	0.85	1.530	I	O	|	|	|	|	3.76
35.750	0.00	0.85	1.524	I	O	|	|	|	|	3.75
35.833	0.00	0.85	1.518	I	O	|	|	|	|	3.74
35.917	0.00	0.84	1.512	I	O	|	|	|	|	3.72
36.000	0.00	0.84	1.506	I	O	|	|	|	|	3.71
36.083	0.00	0.84	1.500	I	O	|	|	|	|	3.70
36.167	0.00	0.84	1.495	I	O	|	|	|	|	3.69
36.250	0.00	0.84	1.489	I	O	|	|	|	|	3.68
36.333	0.00	0.84	1.483	I	O	|	|	|	|	3.67
36.417	0.00	0.84	1.477	I	O	|	|	|	|	3.65
36.500	0.00	0.83	1.472	I	O	|	|	|	|	3.64
36.583	0.00	0.83	1.466	I	O	|	|	|	|	3.63
36.667	0.00	0.83	1.460	I	O	|	|	|	|	3.62
36.750	0.00	0.83	1.454	I	O	|	|	|	|	3.61
36.833	0.00	0.83	1.449	I	O	|	|	|	|	3.60
36.917	0.00	0.83	1.443	I	O	|	|	|	|	3.59
37.000	0.00	0.82	1.437	I	O	|	|	|	|	3.57
37.083	0.00	0.82	1.432	I	O	|	|	|	|	3.56
37.167	0.00	0.82	1.426	I	O	|	|	|	|	3.55
37.250	0.00	0.82	1.420	I	O	|	|	|	|	3.54
37.333	0.00	0.82	1.415	I	O	|	|	|	|	3.53
37.417	0.00	0.82	1.409	I	O	|	|	|	|	3.52
37.500	0.00	0.82	1.403	I	O	|	|	|	|	3.51
37.583	0.00	0.81	1.398	I	O	|	|	|	|	3.50
37.667	0.00	0.81	1.392	I	O	|	|	|	|	3.48
37.750	0.00	0.81	1.387	I	O	|	|	|	|	3.47
37.833	0.00	0.81	1.381	I	O	|	|	|	|	3.46
37.917	0.00	0.81	1.375	I	O	|	|	|	|	3.45
38.000	0.00	0.81	1.370	I	O	|	|	|	|	3.44
38.083	0.00	0.81	1.364	I	O	|	|	|	|	3.43
38.167	0.00	0.80	1.359	I	O	|	|	|	|	3.42
38.250	0.00	0.80	1.353	I	O	|	|	|	|	3.41
38.333	0.00	0.80	1.348	I	O	|	|	|	|	3.40
38.417	0.00	0.80	1.342	I	O	|	|	|	|	3.38
38.500	0.00	0.80	1.337	I	O	|	|	|	|	3.37
38.583	0.00	0.80	1.331	I	O	|	|	|	|	3.36
38.667	0.00	0.80	1.326	I	O	|	|	|	|	3.35
38.750	0.00	0.79	1.320	I	O	|	|	|	|	3.34
38.833	0.00	0.79	1.315	I	O	|	|	|	|	3.33
38.917	0.00	0.79	1.309	I	O	|	|	|	|	3.32
39.000	0.00	0.79	1.304	I	O	|	|	|	|	3.31
39.083	0.00	0.79	1.298	I	O	|	|	|	|	3.30
39.167	0.00	0.79	1.293	I	O	|	|	|	|	3.29

39.250	0.00	0.79	1.288	I	O	|	|	|	3.28
39.333	0.00	0.78	1.282	I	O	|	|	|	3.26
39.417	0.00	0.78	1.277	I	O	|	|	|	3.25
39.500	0.00	0.78	1.271	I	O	|	|	|	3.24
39.583	0.00	0.78	1.266	I	O	|	|	|	3.23
39.667	0.00	0.78	1.261	I	O	|	|	|	3.22
39.750	0.00	0.78	1.255	I	O	|	|	|	3.21
39.833	0.00	0.78	1.250	I	O	|	|	|	3.20
39.917	0.00	0.77	1.245	I	O	|	|	|	3.19
40.000	0.00	0.77	1.239	I	O	|	|	|	3.18
40.083	0.00	0.77	1.234	I	O	|	|	|	3.17
40.167	0.00	0.77	1.229	I	O	|	|	|	3.16
40.250	0.00	0.77	1.223	I	O	|	|	|	3.15
40.333	0.00	0.77	1.218	I	O	|	|	|	3.14
40.417	0.00	0.77	1.213	I	O	|	|	|	3.13
40.500	0.00	0.76	1.208	I	O	|	|	|	3.12
40.583	0.00	0.76	1.202	I	O	|	|	|	3.10
40.667	0.00	0.76	1.197	I	O	|	|	|	3.09
40.750	0.00	0.76	1.192	I	O	|	|	|	3.08
40.833	0.00	0.76	1.187	I	O	|	|	|	3.07
40.917	0.00	0.76	1.181	I	O	|	|	|	3.06
41.000	0.00	0.76	1.176	I	O	|	|	|	3.05
41.083	0.00	0.76	1.171	I	O	|	|	|	3.04
41.167	0.00	0.75	1.166	I	O	|	|	|	3.03
41.250	0.00	0.75	1.161	I	O	|	|	|	3.02
41.333	0.00	0.75	1.155	I	O	|	|	|	3.01
41.417	0.00	0.75	1.150	I	O	|	|	|	3.00
41.500	0.00	0.75	1.145	I	O	|	|	|	2.99
41.583	0.00	0.75	1.140	I	O	|	|	|	2.98
41.667	0.00	0.74	1.135	I	O	|	|	|	2.96
41.750	0.00	0.74	1.130	I	O	|	|	|	2.95
41.833	0.00	0.74	1.125	I	O	|	|	|	2.94
41.917	0.00	0.74	1.119	I	O	|	|	|	2.93
42.000	0.00	0.74	1.114	I	O	|	|	|	2.92
42.083	0.00	0.73	1.109	I	O	|	|	|	2.91
42.167	0.00	0.73	1.104	I	O	|	|	|	2.89
42.250	0.00	0.73	1.099	I	O	|	|	|	2.88
42.333	0.00	0.73	1.094	I	O	|	|	|	2.87
42.417	0.00	0.73	1.089	I	O	|	|	|	2.86
42.500	0.00	0.72	1.084	I	O	|	|	|	2.85
42.583	0.00	0.72	1.079	I	O	|	|	|	2.84
42.667	0.00	0.72	1.074	I	O	|	|	|	2.82
42.750	0.00	0.72	1.069	I	O	|	|	|	2.81
42.833	0.00	0.72	1.064	I	O	|	|	|	2.80
42.917	0.00	0.71	1.059	I	O	|	|	|	2.79
43.000	0.00	0.71	1.055	I	O	|	|	|	2.78
43.083	0.00	0.71	1.050	I	O	|	|	|	2.77
43.167	0.00	0.71	1.045	I	O	|	|	|	2.76
43.250	0.00	0.71	1.040	I	O	|	|	|	2.74
43.333	0.00	0.70	1.035	I	O	|	|	|	2.73
43.417	0.00	0.70	1.030	I	O	|	|	|	2.72
43.500	0.00	0.70	1.025	I	O	|	|	|	2.71
43.583	0.00	0.70	1.021	I	O	|	|	|	2.70
43.667	0.00	0.70	1.016	I	O	|	|	|	2.69
43.750	0.00	0.70	1.011	I	O	|	|	|	2.68
43.833	0.00	0.69	1.006	I	O	|	|	|	2.67
43.917	0.00	0.69	1.001	I	O	|	|	|	2.65
44.000	0.00	0.69	0.997	I	O	|	|	|	2.64
44.083	0.00	0.69	0.992	I	O	|	|	|	2.63
44.167	0.00	0.69	0.987	I	O	|	|	|	2.62
44.250	0.00	0.68	0.982	I	O	|	|	|	2.61
44.333	0.00	0.68	0.978	I	O	|	|	|	2.60
44.417	0.00	0.68	0.973	I	O	|	|	|	2.59
44.500	0.00	0.68	0.968	I	O	|	|	|	2.58
44.583	0.00	0.68	0.964	I	O	|	|	|	2.57
44.667	0.00	0.67	0.959	I	O	|	|	|	2.56
44.750	0.00	0.67	0.954	I	O	|	|	|	2.55

44.833	0.00	0.67	0.950	I O	|	|	|	| 2.53
44.917	0.00	0.67	0.945	I O	|	|	|	| 2.52
45.000	0.00	0.67	0.941	I O	|	|	|	| 2.51
45.083	0.00	0.67	0.936	I O	|	|	|	| 2.50
45.167	0.00	0.66	0.931	I O	|	|	|	| 2.49
45.250	0.00	0.66	0.927	I O	|	|	|	| 2.48
45.333	0.00	0.66	0.922	I O	|	|	|	| 2.47
45.417	0.00	0.66	0.918	I O	|	|	|	| 2.46
45.500	0.00	0.66	0.913	I O	|	|	|	| 2.45
45.583	0.00	0.65	0.909	I O	|	|	|	| 2.44
45.667	0.00	0.65	0.904	I O	|	|	|	| 2.43
45.750	0.00	0.65	0.900	I O	|	|	|	| 2.42
45.833	0.00	0.65	0.895	I O	|	|	|	| 2.41
45.917	0.00	0.65	0.891	I O	|	|	|	| 2.40
46.000	0.00	0.65	0.886	I O	|	|	|	| 2.39
46.083	0.00	0.64	0.882	I O	|	|	|	| 2.38
46.167	0.00	0.64	0.877	I O	|	|	|	| 2.37
46.250	0.00	0.64	0.873	I O	|	|	|	| 2.36
46.333	0.00	0.64	0.869	I O	|	|	|	| 2.35
46.417	0.00	0.64	0.864	I O	|	|	|	| 2.34
46.500	0.00	0.64	0.860	I O	|	|	|	| 2.33
46.583	0.00	0.63	0.855	I O	|	|	|	| 2.32
46.667	0.00	0.63	0.851	I O	|	|	|	| 2.30
46.750	0.00	0.63	0.847	I O	|	|	|	| 2.29
46.833	0.00	0.63	0.842	I O	|	|	|	| 2.28
46.917	0.00	0.63	0.838	I O	|	|	|	| 2.27
47.000	0.00	0.62	0.834	I O	|	|	|	| 2.26
47.083	0.00	0.62	0.830	I O	|	|	|	| 2.25
47.167	0.00	0.62	0.825	I O	|	|	|	| 2.24
47.250	0.00	0.62	0.821	I O	|	|	|	| 2.23
47.333	0.00	0.62	0.817	I O	|	|	|	| 2.22
47.417	0.00	0.62	0.812	I O	|	|	|	| 2.21
47.500	0.00	0.61	0.808	I O	|	|	|	| 2.21
47.583	0.00	0.61	0.804	I O	|	|	|	| 2.20
47.667	0.00	0.61	0.800	I O	|	|	|	| 2.19
47.750	0.00	0.61	0.796	I O	|	|	|	| 2.18
47.833	0.00	0.61	0.791	I O	|	|	|	| 2.17
47.917	0.00	0.61	0.787	I O	|	|	|	| 2.16
48.000	0.00	0.60	0.783	I O	|	|	|	| 2.15
48.083	0.00	0.60	0.779	I O	|	|	|	| 2.14
48.167	0.00	0.60	0.775	I O	|	|	|	| 2.13
48.250	0.00	0.60	0.771	I O	|	|	|	| 2.12
48.333	0.00	0.60	0.766	I O	|	|	|	| 2.11
48.417	0.00	0.60	0.762	I O	|	|	|	| 2.10
48.500	0.00	0.60	0.758	I O	|	|	|	| 2.09
48.583	0.00	0.59	0.754	I O	|	|	|	| 2.08
48.667	0.00	0.59	0.750	I O	|	|	|	| 2.07
48.750	0.00	0.59	0.746	I O	|	|	|	| 2.06
48.833	0.00	0.59	0.742	I O	|	|	|	| 2.05
48.917	0.00	0.59	0.738	I O	|	|	|	| 2.04
49.000	0.00	0.59	0.734	I O	|	|	|	| 2.03
49.083	0.00	0.58	0.730	I O	|	|	|	| 2.02
49.167	0.00	0.58	0.726	I O	|	|	|	| 2.01
49.250	0.00	0.58	0.722	I O	|	|	|	| 2.00
49.333	0.00	0.58	0.718	I O	|	|	|	| 1.99
49.417	0.00	0.58	0.714	I O	|	|	|	| 1.98
49.500	0.00	0.57	0.710	I O	|	|	|	| 1.97
49.583	0.00	0.57	0.706	I O	|	|	|	| 1.96
49.667	0.00	0.57	0.702	I O	|	|	|	| 1.95
49.750	0.00	0.57	0.698	I O	|	|	|	| 1.94
49.833	0.00	0.57	0.694	I O	|	|	|	| 1.93
49.917	0.00	0.56	0.690	I O	|	|	|	| 1.92
50.000	0.00	0.56	0.686	I O	|	|	|	| 1.91
50.083	0.00	0.56	0.683	I O	|	|	|	| 1.90
50.167	0.00	0.56	0.679	I O	|	|	|	| 1.89
50.250	0.00	0.55	0.675	I O	|	|	|	| 1.88
50.333	0.00	0.55	0.671	I O	|	|	|	| 1.87

50.417	0.00	0.55	0.667	I O	|	|	|	| 1.86
50.500	0.00	0.55	0.663	I O	|	|	|	| 1.85
50.583	0.00	0.55	0.660	I O	|	|	|	| 1.85
50.667	0.00	0.54	0.656	I O	|	|	|	| 1.84
50.750	0.00	0.54	0.652	I O	|	|	|	| 1.83
50.833	0.00	0.54	0.648	I O	|	|	|	| 1.82
50.917	0.00	0.54	0.645	I O	|	|	|	| 1.81
51.000	0.00	0.54	0.641	I O	|	|	|	| 1.80
51.083	0.00	0.53	0.637	I O	|	|	|	| 1.79
51.167	0.00	0.53	0.634	I O	|	|	|	| 1.78
51.250	0.00	0.53	0.630	I O	|	|	|	| 1.77
51.333	0.00	0.53	0.626	I O	|	|	|	| 1.76
51.417	0.00	0.53	0.623	I O	|	|	|	| 1.75
51.500	0.00	0.52	0.619	I O	|	|	|	| 1.74
51.583	0.00	0.52	0.616	I O	|	|	|	| 1.73
51.667	0.00	0.52	0.612	I O	|	|	|	| 1.72
51.750	0.00	0.52	0.608	I O	|	|	|	| 1.71
51.833	0.00	0.52	0.605	I O	|	|	|	| 1.70
51.917	0.00	0.51	0.601	I O	|	|	|	| 1.70
52.000	0.00	0.51	0.598	I O	|	|	|	| 1.69
52.083	0.00	0.51	0.594	I O	|	|	|	| 1.68
52.167	0.00	0.51	0.591	I O	|	|	|	| 1.67
52.250	0.00	0.51	0.587	I O	|	|	|	| 1.66
52.333	0.00	0.50	0.584	I O	|	|	|	| 1.65
52.417	0.00	0.50	0.580	I O	|	|	|	| 1.64
52.500	0.00	0.50	0.577	I O	|	|	|	| 1.63
52.583	0.00	0.50	0.574	I O	|	|	|	| 1.62
52.667	0.00	0.50	0.570	I O	|	|	|	| 1.62
52.750	0.00	0.49	0.567	I O	|	|	|	| 1.61
52.833	0.00	0.49	0.563	I O	|	|	|	| 1.60
52.917	0.00	0.49	0.560	I O	|	|	|	| 1.59
53.000	0.00	0.49	0.557	I O	|	|	|	| 1.58
53.083	0.00	0.49	0.553	I O	|	|	|	| 1.57
53.167	0.00	0.48	0.550	IO	|	|	|	| 1.56
53.250	0.00	0.48	0.547	IO	|	|	|	| 1.56
53.333	0.00	0.48	0.543	IO	|	|	|	| 1.55
53.417	0.00	0.48	0.540	IO	|	|	|	| 1.54
53.500	0.00	0.48	0.537	IO	|	|	|	| 1.53
53.583	0.00	0.47	0.533	IO	|	|	|	| 1.52
53.667	0.00	0.47	0.530	IO	|	|	|	| 1.51
53.750	0.00	0.47	0.527	IO	|	|	|	| 1.50
53.833	0.00	0.47	0.524	IO	|	|	|	| 1.50
53.917	0.00	0.47	0.520	IO	|	|	|	| 1.49
54.000	0.00	0.47	0.517	IO	|	|	|	| 1.48
54.083	0.00	0.46	0.514	IO	|	|	|	| 1.47
54.167	0.00	0.46	0.511	IO	|	|	|	| 1.46
54.250	0.00	0.46	0.508	IO	|	|	|	| 1.46
54.333	0.00	0.46	0.504	IO	|	|	|	| 1.45
54.417	0.00	0.46	0.501	IO	|	|	|	| 1.44
54.500	0.00	0.45	0.498	IO	|	|	|	| 1.43
54.583	0.00	0.45	0.495	IO	|	|	|	| 1.42
54.667	0.00	0.45	0.492	IO	|	|	|	| 1.42
54.750	0.00	0.45	0.489	IO	|	|	|	| 1.41
54.833	0.00	0.45	0.486	IO	|	|	|	| 1.40
54.917	0.00	0.45	0.483	IO	|	|	|	| 1.39
55.000	0.00	0.44	0.480	IO	|	|	|	| 1.38
55.083	0.00	0.44	0.477	IO	|	|	|	| 1.38
55.167	0.00	0.44	0.473	IO	|	|	|	| 1.37
55.250	0.00	0.44	0.470	IO	|	|	|	| 1.36
55.333	0.00	0.44	0.467	IO	|	|	|	| 1.35
55.417	0.00	0.44	0.464	IO	|	|	|	| 1.34
55.500	0.00	0.43	0.461	IO	|	|	|	| 1.34
55.583	0.00	0.43	0.458	IO	|	|	|	| 1.33
55.667	0.00	0.43	0.455	IO	|	|	|	| 1.32
55.750	0.00	0.43	0.453	IO	|	|	|	| 1.31
55.833	0.00	0.43	0.450	IO	|	|	|	| 1.31
55.917	0.00	0.43	0.447	IO	|	|	|	| 1.30

56.000	0.00	0.42	0.444	IO				1.29
56.083	0.00	0.42	0.441	IO				1.28
56.167	0.00	0.42	0.438	IO				1.28
56.250	0.00	0.42	0.435	IO				1.27
56.333	0.00	0.42	0.432	IO				1.26
56.417	0.00	0.42	0.429	IO				1.25
56.500	0.00	0.41	0.426	IO				1.25
56.583	0.00	0.41	0.424	IO				1.24
56.667	0.00	0.41	0.421	IO				1.23
56.750	0.00	0.41	0.418	IO				1.23
56.833	0.00	0.41	0.415	IO				1.22
56.917	0.00	0.41	0.412	IO				1.21
57.000	0.00	0.40	0.409	IO				1.20
57.083	0.00	0.40	0.407	IO				1.20
57.167	0.00	0.40	0.404	IO				1.19
57.250	0.00	0.40	0.401	IO				1.18
57.333	0.00	0.40	0.398	IO				1.18
57.417	0.00	0.40	0.396	IO				1.17
57.500	0.00	0.40	0.393	IO				1.16
57.583	0.00	0.39	0.390	IO				1.15
57.667	0.00	0.39	0.387	IO				1.15
57.750	0.00	0.39	0.385	IO				1.14
57.833	0.00	0.39	0.382	IO				1.13
57.917	0.00	0.39	0.379	IO				1.13
58.000	0.00	0.39	0.377	IO				1.12
58.083	0.00	0.38	0.374	IO				1.11
58.167	0.00	0.38	0.371	IO				1.11
58.250	0.00	0.38	0.369	IO				1.10
58.333	0.00	0.38	0.366	IO				1.09
58.417	0.00	0.38	0.364	IO				1.09
58.500	0.00	0.38	0.361	IO				1.08
58.583	0.00	0.38	0.358	IO				1.07
58.667	0.00	0.37	0.356	IO				1.07
58.750	0.00	0.37	0.353	IO				1.06
58.833	0.00	0.37	0.351	IO				1.05
58.917	0.00	0.37	0.348	IO				1.05
59.000	0.00	0.37	0.346	IO				1.04
59.083	0.00	0.37	0.343	IO				1.03
59.167	0.00	0.37	0.340	IO				1.03
59.250	0.00	0.36	0.338	IO				1.02
59.333	0.00	0.36	0.335	IO				1.01
59.417	0.00	0.36	0.333	IO				1.01
59.500	0.00	0.36	0.330	IO				1.00
59.583	0.00	0.36	0.328	IO				0.99
59.667	0.00	0.36	0.326	IO				0.99
59.750	0.00	0.35	0.323	IO				0.98
59.833	0.00	0.35	0.321	IO				0.97
59.917	0.00	0.35	0.318	IO				0.96
60.000	0.00	0.34	0.316	IO				0.96
60.083	0.00	0.34	0.314	IO				0.95
60.167	0.00	0.34	0.311	IO				0.94
60.250	0.00	0.34	0.309	IO				0.94
60.333	0.00	0.33	0.307	IO				0.93
60.417	0.00	0.33	0.304	IO				0.92
60.500	0.00	0.33	0.302	IO				0.92
60.583	0.00	0.33	0.300	IO				0.91
60.667	0.00	0.32	0.297	IO				0.90
60.750	0.00	0.32	0.295	IO				0.89
60.833	0.00	0.32	0.293	IO				0.89
60.917	0.00	0.32	0.291	IO				0.88
61.000	0.00	0.31	0.289	IO				0.87
61.083	0.00	0.31	0.287	IO				0.87
61.167	0.00	0.31	0.284	IO				0.86
61.250	0.00	0.31	0.282	IO				0.86
61.333	0.00	0.31	0.280	IO				0.85
61.417	0.00	0.30	0.278	IO				0.84
61.500	0.00	0.30	0.276	IO				0.84

61.583	0.00	0.30	0.274	IO				0.83
61.667	0.00	0.30	0.272	IO				0.82
61.750	0.00	0.29	0.270	IO				0.82
61.833	0.00	0.29	0.268	IO				0.81
61.917	0.00	0.29	0.266	IO				0.81
62.000	0.00	0.29	0.264	IO				0.80
62.083	0.00	0.29	0.262	IO				0.79
62.167	0.00	0.28	0.260	IO				0.79
62.250	0.00	0.28	0.258	IO				0.78
62.333	0.00	0.28	0.256	IO				0.78
62.417	0.00	0.28	0.254	IO				0.77
62.500	0.00	0.28	0.252	IO				0.76
62.583	0.00	0.27	0.250	IO				0.76
62.667	0.00	0.27	0.248	IO				0.75
62.750	0.00	0.27	0.247	IO				0.75
62.833	0.00	0.27	0.245	IO				0.74
62.917	0.00	0.26	0.243	IO				0.74
63.000	0.00	0.26	0.241	IO				0.73
63.083	0.00	0.26	0.239	IO				0.73
63.167	0.00	0.26	0.237	IO				0.72
63.250	0.00	0.26	0.236	IO				0.71
63.333	0.00	0.26	0.234	IO				0.71
63.417	0.00	0.25	0.232	IO				0.70
63.500	0.00	0.25	0.230	IO				0.70
63.583	0.00	0.25	0.229	IO				0.69
63.667	0.00	0.25	0.227	IO				0.69
63.750	0.00	0.25	0.225	IO				0.68
63.833	0.00	0.24	0.224	IO				0.68
63.917	0.00	0.24	0.222	O				0.67
64.000	0.00	0.24	0.220	O				0.67
64.083	0.00	0.24	0.219	O				0.66
64.167	0.00	0.24	0.217	O				0.66
64.250	0.00	0.23	0.215	O				0.65
64.333	0.00	0.23	0.214	O				0.65
64.417	0.00	0.23	0.212	O				0.64
64.500	0.00	0.23	0.211	O				0.64
64.583	0.00	0.23	0.209	O				0.63
64.667	0.00	0.23	0.207	O				0.63
64.750	0.00	0.22	0.206	O				0.62
64.833	0.00	0.22	0.204	O				0.62
64.917	0.00	0.22	0.203	O				0.61
65.000	0.00	0.22	0.201	O				0.61
65.083	0.00	0.22	0.200	O				0.61
65.167	0.00	0.22	0.198	O				0.60
65.250	0.00	0.21	0.197	O				0.60
65.333	0.00	0.21	0.195	O				0.59
65.417	0.00	0.21	0.194	O				0.59
65.500	0.00	0.21	0.192	O				0.58
65.583	0.00	0.21	0.191	O				0.58
65.667	0.00	0.21	0.190	O				0.57
65.750	0.00	0.21	0.188	O				0.57
65.833	0.00	0.20	0.187	O				0.57
65.917	0.00	0.20	0.185	O				0.56
66.000	0.00	0.20	0.184	O				0.56
66.083	0.00	0.20	0.183	O				0.55
66.167	0.00	0.20	0.181	O				0.55
66.250	0.00	0.20	0.180	O				0.54
66.333	0.00	0.19	0.178	O				0.54
66.417	0.00	0.19	0.177	O				0.54
66.500	0.00	0.19	0.176	O				0.53
66.583	0.00	0.19	0.175	O				0.53
66.667	0.00	0.19	0.173	O				0.52
66.750	0.00	0.19	0.172	O				0.52
66.833	0.00	0.19	0.171	O				0.52
66.917	0.00	0.18	0.169	O				0.51
67.000	0.00	0.18	0.168	O				0.51
67.083	0.00	0.18	0.167	O				0.51

67.167	0.00	0.18	0.166	O	|	|	|	|	0.50
67.250	0.00	0.18	0.164	O	|	|	|	|	0.50
67.333	0.00	0.18	0.163	O	|	|	|	|	0.49
67.417	0.00	0.18	0.162	O	|	|	|	|	0.49
67.500	0.00	0.18	0.161	O	|	|	|	|	0.49
67.583	0.00	0.17	0.159	O	|	|	|	|	0.48
67.667	0.00	0.17	0.158	O	|	|	|	|	0.48
67.750	0.00	0.17	0.157	O	|	|	|	|	0.48
67.833	0.00	0.17	0.156	O	|	|	|	|	0.47
67.917	0.00	0.17	0.155	O	|	|	|	|	0.47
68.000	0.00	0.17	0.154	O	|	|	|	|	0.47
68.083	0.00	0.17	0.152	O	|	|	|	|	0.46
68.167	0.00	0.17	0.151	O	|	|	|	|	0.46
68.250	0.00	0.16	0.150	O	|	|	|	|	0.46
68.333	0.00	0.16	0.149	O	|	|	|	|	0.45
68.417	0.00	0.16	0.148	O	|	|	|	|	0.45
68.500	0.00	0.16	0.147	O	|	|	|	|	0.44
68.583	0.00	0.16	0.146	O	|	|	|	|	0.44
68.667	0.00	0.16	0.145	O	|	|	|	|	0.44
68.750	0.00	0.16	0.144	O	|	|	|	|	0.43
68.833	0.00	0.16	0.142	O	|	|	|	|	0.43
68.917	0.00	0.15	0.141	O	|	|	|	|	0.43
69.000	0.00	0.15	0.140	O	|	|	|	|	0.43
69.083	0.00	0.15	0.139	O	|	|	|	|	0.42
69.167	0.00	0.15	0.138	O	|	|	|	|	0.42
69.250	0.00	0.15	0.137	O	|	|	|	|	0.42
69.333	0.00	0.15	0.136	O	|	|	|	|	0.41
69.417	0.00	0.15	0.135	O	|	|	|	|	0.41
69.500	0.00	0.15	0.134	O	|	|	|	|	0.41
69.583	0.00	0.15	0.133	O	|	|	|	|	0.40
69.667	0.00	0.14	0.132	O	|	|	|	|	0.40
69.750	0.00	0.14	0.131	O	|	|	|	|	0.40
69.833	0.00	0.14	0.130	O	|	|	|	|	0.39
69.917	0.00	0.14	0.129	O	|	|	|	|	0.39
70.000	0.00	0.14	0.128	O	|	|	|	|	0.39
70.083	0.00	0.14	0.127	O	|	|	|	|	0.39
70.167	0.00	0.14	0.126	O	|	|	|	|	0.38
70.250	0.00	0.14	0.125	O	|	|	|	|	0.38
70.333	0.00	0.14	0.124	O	|	|	|	|	0.38
70.417	0.00	0.13	0.124	O	|	|	|	|	0.37
70.500	0.00	0.13	0.123	O	|	|	|	|	0.37
70.583	0.00	0.13	0.122	O	|	|	|	|	0.37
70.667	0.00	0.13	0.121	O	|	|	|	|	0.37
70.750	0.00	0.13	0.120	O	|	|	|	|	0.36
70.833	0.00	0.13	0.119	O	|	|	|	|	0.36
70.917	0.00	0.13	0.118	O	|	|	|	|	0.36
71.000	0.00	0.13	0.117	O	|	|	|	|	0.36
71.083	0.00	0.13	0.116	O	|	|	|	|	0.35
71.167	0.00	0.13	0.115	O	|	|	|	|	0.35
71.250	0.00	0.12	0.115	O	|	|	|	|	0.35
71.333	0.00	0.12	0.114	O	|	|	|	|	0.34
71.417	0.00	0.12	0.113	O	|	|	|	|	0.34
71.500	0.00	0.12	0.112	O	|	|	|	|	0.34
71.583	0.00	0.12	0.111	O	|	|	|	|	0.34
71.667	0.00	0.12	0.110	O	|	|	|	|	0.33
71.750	0.00	0.12	0.110	O	|	|	|	|	0.33
71.833	0.00	0.12	0.109	O	|	|	|	|	0.33
71.917	0.00	0.12	0.108	O	|	|	|	|	0.33
72.000	0.00	0.12	0.107	O	|	|	|	|	0.32
72.083	0.00	0.12	0.106	O	|	|	|	|	0.32
72.167	0.00	0.12	0.105	O	|	|	|	|	0.32
72.250	0.00	0.11	0.105	O	|	|	|	|	0.32
72.333	0.00	0.11	0.104	O	|	|	|	|	0.31
72.417	0.00	0.11	0.103	O	|	|	|	|	0.31
72.500	0.00	0.11	0.102	O	|	|	|	|	0.31
72.583	0.00	0.11	0.102	O	|	|	|	|	0.31
72.667	0.00	0.11	0.101	O	|	|	|	|	0.31

72.750	0.00	0.11	0.100	O	|	|	|	|	0.30
72.833	0.00	0.11	0.099	O	|	|	|	|	0.30
72.917	0.00	0.11	0.099	O	|	|	|	|	0.30
73.000	0.00	0.11	0.098	O	|	|	|	|	0.30
73.083	0.00	0.11	0.097	O	|	|	|	|	0.29
73.167	0.00	0.11	0.096	O	|	|	|	|	0.29
73.250	0.00	0.10	0.096	O	|	|	|	|	0.29
73.333	0.00	0.10	0.095	O	|	|	|	|	0.29
73.417	0.00	0.10	0.094	O	|	|	|	|	0.29
73.500	0.00	0.10	0.094	O	|	|	|	|	0.28
73.583	0.00	0.10	0.093	O	|	|	|	|	0.28
73.667	0.00	0.10	0.092	O	|	|	|	|	0.28
73.750	0.00	0.10	0.091	O	|	|	|	|	0.28
73.833	0.00	0.10	0.091	O	|	|	|	|	0.28
73.917	0.00	0.10	0.090	O	|	|	|	|	0.27
74.000	0.00	0.10	0.089	O	|	|	|	|	0.27
74.083	0.00	0.10	0.089	O	|	|	|	|	0.27
74.167	0.00	0.10	0.088	O	|	|	|	|	0.27
74.250	0.00	0.10	0.087	O	|	|	|	|	0.26
74.333	0.00	0.09	0.087	O	|	|	|	|	0.26
74.417	0.00	0.09	0.086	O	|	|	|	|	0.26
74.500	0.00	0.09	0.085	O	|	|	|	|	0.26
74.583	0.00	0.09	0.085	O	|	|	|	|	0.26
74.667	0.00	0.09	0.084	O	|	|	|	|	0.26
74.750	0.00	0.09	0.084	O	|	|	|	|	0.25
74.833	0.00	0.09	0.083	O	|	|	|	|	0.25
74.917	0.00	0.09	0.082	O	|	|	|	|	0.25
75.000	0.00	0.09	0.082	O	|	|	|	|	0.25
75.083	0.00	0.09	0.081	O	|	|	|	|	0.25
75.167	0.00	0.09	0.080	O	|	|	|	|	0.24
75.250	0.00	0.09	0.080	O	|	|	|	|	0.24
75.333	0.00	0.09	0.079	O	|	|	|	|	0.24
75.417	0.00	0.09	0.079	O	|	|	|	|	0.24
75.500	0.00	0.09	0.078	O	|	|	|	|	0.24
75.583	0.00	0.08	0.078	O	|	|	|	|	0.23
75.667	0.00	0.08	0.077	O	|	|	|	|	0.23
75.750	0.00	0.08	0.076	O	|	|	|	|	0.23
75.833	0.00	0.08	0.076	O	|	|	|	|	0.23
75.917	0.00	0.08	0.075	O	|	|	|	|	0.23
76.000	0.00	0.08	0.075	O	|	|	|	|	0.23
76.083	0.00	0.08	0.074	O	|	|	|	|	0.22
76.167	0.00	0.08	0.074	O	|	|	|	|	0.22
76.250	0.00	0.08	0.073	O	|	|	|	|	0.22
76.333	0.00	0.08	0.072	O	|	|	|	|	0.22
76.417	0.00	0.08	0.072	O	|	|	|	|	0.22
76.500	0.00	0.08	0.071	O	|	|	|	|	0.22
76.583	0.00	0.08	0.071	O	|	|	|	|	0.21
76.667	0.00	0.08	0.070	O	|	|	|	|	0.21
76.750	0.00	0.08	0.070	O	|	|	|	|	0.21
76.833	0.00	0.08	0.069	O	|	|	|	|	0.21
76.917	0.00	0.07	0.069	O	|	|	|	|	0.21
77.000	0.00	0.07	0.068	O	|	|	|	|	0.21
77.083	0.00	0.07	0.068	O	|	|	|	|	0.21
77.167	0.00	0.07	0.067	O	|	|	|	|	0.20
77.250	0.00	0.07	0.067	O	|	|	|	|	0.20
77.333	0.00	0.07	0.066	O	|	|	|	|	0.20
77.417	0.00	0.07	0.066	O	|	|	|	|	0.20
77.500	0.00	0.07	0.065	O	|	|	|	|	0.20
77.583	0.00	0.07	0.065	O	|	|	|	|	0.20
77.667	0.00	0.07	0.064	O	|	|	|	|	0.19
77.750	0.00	0.07	0.064	O	|	|	|	|	0.19
77.833	0.00	0.07	0.063	O	|	|	|	|	0.19
77.917	0.00	0.07	0.063	O	|	|	|	|	0.19
78.000	0.00	0.07	0.062	O	|	|	|	|	0.19
78.083	0.00	0.07	0.062	O	|	|	|	|	0.19
78.167	0.00	0.07	0.061	O	|	|	|	|	0.19
78.250	0.00	0.07	0.061	O	|	|	|	|	0.18

78.333	0.00	0.07	0.060	O	|	|	|	|	0.18
78.417	0.00	0.07	0.060	O	|	|	|	|	0.18
78.500	0.00	0.07	0.060	O	|	|	|	|	0.18
78.583	0.00	0.06	0.059	O	|	|	|	|	0.18
78.667	0.00	0.06	0.059	O	|	|	|	|	0.18
78.750	0.00	0.06	0.058	O	|	|	|	|	0.18
78.833	0.00	0.06	0.058	O	|	|	|	|	0.18
78.917	0.00	0.06	0.057	O	|	|	|	|	0.17
79.000	0.00	0.06	0.057	O	|	|	|	|	0.17
79.083	0.00	0.06	0.057	O	|	|	|	|	0.17
79.167	0.00	0.06	0.056	O	|	|	|	|	0.17
79.250	0.00	0.06	0.056	O	|	|	|	|	0.17
79.333	0.00	0.06	0.055	O	|	|	|	|	0.17
79.417	0.00	0.06	0.055	O	|	|	|	|	0.17
79.500	0.00	0.06	0.054	O	|	|	|	|	0.17
79.583	0.00	0.06	0.054	O	|	|	|	|	0.16
79.667	0.00	0.06	0.054	O	|	|	|	|	0.16
79.750	0.00	0.06	0.053	O	|	|	|	|	0.16
79.833	0.00	0.06	0.053	O	|	|	|	|	0.16
79.917	0.00	0.06	0.052	O	|	|	|	|	0.16
80.000	0.00	0.06	0.052	O	|	|	|	|	0.16
80.083	0.00	0.06	0.052	O	|	|	|	|	0.16
80.167	0.00	0.06	0.051	O	|	|	|	|	0.16
80.250	0.00	0.06	0.051	O	|	|	|	|	0.15
80.333	0.00	0.06	0.051	O	|	|	|	|	0.15
80.417	0.00	0.05	0.050	O	|	|	|	|	0.15
80.500	0.00	0.05	0.050	O	|	|	|	|	0.15
80.583	0.00	0.05	0.049	O	|	|	|	|	0.15
80.667	0.00	0.05	0.049	O	|	|	|	|	0.15
80.750	0.00	0.05	0.049	O	|	|	|	|	0.15
80.833	0.00	0.05	0.048	O	|	|	|	|	0.15
80.917	0.00	0.05	0.048	O	|	|	|	|	0.15
81.000	0.00	0.05	0.048	O	|	|	|	|	0.14
81.083	0.00	0.05	0.047	O	|	|	|	|	0.14
81.167	0.00	0.05	0.047	O	|	|	|	|	0.14
81.250	0.00	0.05	0.047	O	|	|	|	|	0.14
81.333	0.00	0.05	0.046	O	|	|	|	|	0.14
81.417	0.00	0.05	0.046	O	|	|	|	|	0.14
81.500	0.00	0.05	0.045	O	|	|	|	|	0.14
81.583	0.00	0.05	0.045	O	|	|	|	|	0.14
81.667	0.00	0.05	0.045	O	|	|	|	|	0.14
81.750	0.00	0.05	0.044	O	|	|	|	|	0.13
81.833	0.00	0.05	0.044	O	|	|	|	|	0.13
81.917	0.00	0.05	0.044	O	|	|	|	|	0.13
82.000	0.00	0.05	0.043	O	|	|	|	|	0.13
82.083	0.00	0.05	0.043	O	|	|	|	|	0.13
82.167	0.00	0.05	0.043	O	|	|	|	|	0.13
82.250	0.00	0.05	0.042	O	|	|	|	|	0.13
82.333	0.00	0.05	0.042	O	|	|	|	|	0.13
82.417	0.00	0.05	0.042	O	|	|	|	|	0.13
82.500	0.00	0.05	0.042	O	|	|	|	|	0.13
82.583	0.00	0.04	0.041	O	|	|	|	|	0.12
82.667	0.00	0.04	0.041	O	|	|	|	|	0.12
82.750	0.00	0.04	0.041	O	|	|	|	|	0.12
82.833	0.00	0.04	0.040	O	|	|	|	|	0.12
82.917	0.00	0.04	0.040	O	|	|	|	|	0.12
83.000	0.00	0.04	0.040	O	|	|	|	|	0.12
83.083	0.00	0.04	0.039	O	|	|	|	|	0.12
83.167	0.00	0.04	0.039	O	|	|	|	|	0.12
83.250	0.00	0.04	0.039	O	|	|	|	|	0.12
83.333	0.00	0.04	0.039	O	|	|	|	|	0.12
83.417	0.00	0.04	0.038	O	|	|	|	|	0.12
83.500	0.00	0.04	0.038	O	|	|	|	|	0.12
83.583	0.00	0.04	0.038	O	|	|	|	|	0.11
83.667	0.00	0.04	0.037	O	|	|	|	|	0.11
83.750	0.00	0.04	0.037	O	|	|	|	|	0.11
83.833	0.00	0.04	0.037	O	|	|	|	|	0.11

83.917	0.00	0.04	0.037	O	|	|	|	|	0.11
84.000	0.00	0.04	0.036	O	|	|	|	|	0.11
84.083	0.00	0.04	0.036	O	|	|	|	|	0.11
84.167	0.00	0.04	0.036	O	|	|	|	|	0.11
84.250	0.00	0.04	0.035	O	|	|	|	|	0.11
84.333	0.00	0.04	0.035	O	|	|	|	|	0.11
84.417	0.00	0.04	0.035	O	|	|	|	|	0.11
84.500	0.00	0.04	0.035	O	|	|	|	|	0.11
84.583	0.00	0.04	0.034	O	|	|	|	|	0.10
84.667	0.00	0.04	0.034	O	|	|	|	|	0.10
84.750	0.00	0.04	0.034	O	|	|	|	|	0.10
84.833	0.00	0.04	0.034	O	|	|	|	|	0.10
84.917	0.00	0.04	0.033	O	|	|	|	|	0.10
85.000	0.00	0.04	0.033	O	|	|	|	|	0.10
85.083	0.00	0.04	0.033	O	|	|	|	|	0.10
85.167	0.00	0.04	0.033	O	|	|	|	|	0.10
85.250	0.00	0.04	0.032	O	|	|	|	|	0.10
85.333	0.00	0.04	0.032	O	|	|	|	|	0.10
85.417	0.00	0.03	0.032	O	|	|	|	|	0.10
85.500	0.00	0.03	0.032	O	|	|	|	|	0.10
85.583	0.00	0.03	0.031	O	|	|	|	|	0.10
85.667	0.00	0.03	0.031	O	|	|	|	|	0.09
85.750	0.00	0.03	0.031	O	|	|	|	|	0.09
85.833	0.00	0.03	0.031	O	|	|	|	|	0.09
85.917	0.00	0.03	0.031	O	|	|	|	|	0.09
86.000	0.00	0.03	0.030	O	|	|	|	|	0.09
86.083	0.00	0.03	0.030	O	|	|	|	|	0.09
86.167	0.00	0.03	0.030	O	|	|	|	|	0.09
86.250	0.00	0.03	0.030	O	|	|	|	|	0.09
86.333	0.00	0.03	0.029	O	|	|	|	|	0.09
86.417	0.00	0.03	0.029	O	|	|	|	|	0.09
86.500	0.00	0.03	0.029	O	|	|	|	|	0.09
86.583	0.00	0.03	0.029	O	|	|	|	|	0.09
86.667	0.00	0.03	0.029	O	|	|	|	|	0.09
86.750	0.00	0.03	0.028	O	|	|	|	|	0.09
86.833	0.00	0.03	0.028	O	|	|	|	|	0.09
86.917	0.00	0.03	0.028	O	|	|	|	|	0.08
87.000	0.00	0.03	0.028	O	|	|	|	|	0.08
87.083	0.00	0.03	0.027	O	|	|	|	|	0.08
87.167	0.00	0.03	0.027	O	|	|	|	|	0.08
87.250	0.00	0.03	0.027	O	|	|	|	|	0.08
87.333	0.00	0.03	0.027	O	|	|	|	|	0.08
87.417	0.00	0.03	0.027	O	|	|	|	|	0.08
87.500	0.00	0.03	0.026	O	|	|	|	|	0.08
87.583	0.00	0.03	0.026	O	|	|	|	|	0.08
87.667	0.00	0.03	0.026	O	|	|	|	|	0.08
87.750	0.00	0.03	0.026	O	|	|	|	|	0.08
87.833	0.00	0.03	0.026	O	|	|	|	|	0.08
87.917	0.00	0.03	0.025	O	|	|	|	|	0.08
88.000	0.00	0.03	0.025	O	|	|	|	|	0.08
88.083	0.00	0.03	0.025	O	|	|	|	|	0.08
88.167	0.00	0.03	0.025	O	|	|	|	|	0.08
88.250	0.00	0.03	0.025	O	|	|	|	|	0.07
88.333	0.00	0.03	0.025	O	|	|	|	|	0.07
88.417	0.00	0.03	0.024	O	|	|	|	|	0.07
88.500	0.00	0.03	0.024	O	|	|	|	|	0.07
88.583	0.00	0.03	0.024	O	|	|	|	|	0.07
88.667	0.00	0.03	0.024	O	|	|	|	|	0.07
88.750	0.00	0.03	0.024	O	|	|	|	|	0.07
88.833	0.00	0.03	0.023	O	|	|	|	|	0.07
88.917	0.00	0.03	0.023	O	|	|	|	|	0.07
89.000	0.00	0.03	0.023	O	|	|	|	|	0.07
89.083	0.00	0.03	0.023	O	|	|	|	|	0.07
89.167	0.00	0.02	0.023	O	|	|	|	|	0.07
89.250	0.00	0.02	0.023	O	|	|	|	|	0.07
89.333	0.00	0.02	0.022	O	|	|	|	|	0.07
89.417	0.00	0.02	0.022	O	|	|	|	|	0.07

89.500	0.00	0.02	0.022	O	|	|	|	0.07
89.583	0.00	0.02	0.022	O	|	|	|	0.07
89.667	0.00	0.02	0.022	O	|	|	|	0.07
89.750	0.00	0.02	0.022	O	|	|	|	0.07
89.833	0.00	0.02	0.021	O	|	|	|	0.07
89.917	0.00	0.02	0.021	O	|	|	|	0.06
90.000	0.00	0.02	0.021	O	|	|	|	0.06
90.083	0.00	0.02	0.021	O	|	|	|	0.06
90.167	0.00	0.02	0.021	O	|	|	|	0.06
90.250	0.00	0.02	0.021	O	|	|	|	0.06
90.333	0.00	0.02	0.021	O	|	|	|	0.06
90.417	0.00	0.02	0.020	O	|	|	|	0.06
90.500	0.00	0.02	0.020	O	|	|	|	0.06
90.583	0.00	0.02	0.020	O	|	|	|	0.06
90.667	0.00	0.02	0.020	O	|	|	|	0.06
90.750	0.00	0.02	0.020	O	|	|	|	0.06
90.833	0.00	0.02	0.020	O	|	|	|	0.06
90.917	0.00	0.02	0.019	O	|	|	|	0.06
91.000	0.00	0.02	0.019	O	|	|	|	0.06
91.083	0.00	0.02	0.019	O	|	|	|	0.06
91.167	0.00	0.02	0.019	O	|	|	|	0.06
91.250	0.00	0.02	0.019	O	|	|	|	0.06
91.333	0.00	0.02	0.019	O	|	|	|	0.06
91.417	0.00	0.02	0.019	O	|	|	|	0.06
91.500	0.00	0.02	0.018	O	|	|	|	0.06
91.583	0.00	0.02	0.018	O	|	|	|	0.06
91.667	0.00	0.02	0.018	O	|	|	|	0.06
91.750	0.00	0.02	0.018	O	|	|	|	0.05
91.833	0.00	0.02	0.018	O	|	|	|	0.05
91.917	0.00	0.02	0.018	O	|	|	|	0.05
92.000	0.00	0.02	0.018	O	|	|	|	0.05
92.083	0.00	0.02	0.018	O	|	|	|	0.05
92.167	0.00	0.02	0.017	O	|	|	|	0.05
92.250	0.00	0.02	0.017	O	|	|	|	0.05
92.333	0.00	0.02	0.017	O	|	|	|	0.05
92.417	0.00	0.02	0.017	O	|	|	|	0.05
92.500	0.00	0.02	0.017	O	|	|	|	0.05
92.583	0.00	0.02	0.017	O	|	|	|	0.05
92.667	0.00	0.02	0.017	O	|	|	|	0.05
92.750	0.00	0.02	0.016	O	|	|	|	0.05
92.833	0.00	0.02	0.016	O	|	|	|	0.05
92.917	0.00	0.02	0.016	O	|	|	|	0.05
93.000	0.00	0.02	0.016	O	|	|	|	0.05
93.083	0.00	0.02	0.016	O	|	|	|	0.05
93.167	0.00	0.02	0.016	O	|	|	|	0.05
93.250	0.00	0.02	0.016	O	|	|	|	0.05
93.333	0.00	0.02	0.016	O	|	|	|	0.05
93.417	0.00	0.02	0.016	O	|	|	|	0.05
93.500	0.00	0.02	0.015	O	|	|	|	0.05
93.583	0.00	0.02	0.015	O	|	|	|	0.05
93.667	0.00	0.02	0.015	O	|	|	|	0.05
93.750	0.00	0.02	0.015	O	|	|	|	0.05
93.833	0.00	0.02	0.015	O	|	|	|	0.05
93.917	0.00	0.02	0.015	O	|	|	|	0.04
94.000	0.00	0.02	0.015	O	|	|	|	0.04
94.083	0.00	0.02	0.015	O	|	|	|	0.04
94.167	0.00	0.02	0.015	O	|	|	|	0.04
94.250	0.00	0.02	0.014	O	|	|	|	0.04
94.333	0.00	0.02	0.014	O	|	|	|	0.04
94.417	0.00	0.02	0.014	O	|	|	|	0.04
94.500	0.00	0.02	0.014	O	|	|	|	0.04
94.583	0.00	0.02	0.014	O	|	|	|	0.04
94.667	0.00	0.02	0.014	O	|	|	|	0.04
94.750	0.00	0.02	0.014	O	|	|	|	0.04
94.833	0.00	0.01	0.014	O	|	|	|	0.04
94.917	0.00	0.01	0.014	O	|	|	|	0.04
95.000	0.00	0.01	0.013	O	|	|	|	0.04

95.083	0.00	0.01	0.013	O	|	|	|	0.04
95.167	0.00	0.01	0.013	O	|	|	|	0.04
95.250	0.00	0.01	0.013	O	|	|	|	0.04
95.333	0.00	0.01	0.013	O	|	|	|	0.04
95.417	0.00	0.01	0.013	O	|	|	|	0.04
95.500	0.00	0.01	0.013	O	|	|	|	0.04
95.583	0.00	0.01	0.013	O	|	|	|	0.04
95.667	0.00	0.01	0.013	O	|	|	|	0.04
95.750	0.00	0.01	0.013	O	|	|	|	0.04
95.833	0.00	0.01	0.012	O	|	|	|	0.04
95.917	0.00	0.01	0.012	O	|	|	|	0.04
96.000	0.00	0.01	0.012	O	|	|	|	0.04
96.083	0.00	0.01	0.012	O	|	|	|	0.04
96.167	0.00	0.01	0.012	O	|	|	|	0.04
96.250	0.00	0.01	0.012	O	|	|	|	0.04
96.333	0.00	0.01	0.012	O	|	|	|	0.04
96.417	0.00	0.01	0.012	O	|	|	|	0.04
96.500	0.00	0.01	0.012	O	|	|	|	0.04
96.583	0.00	0.01	0.012	O	|	|	|	0.04
96.667	0.00	0.01	0.012	O	|	|	|	0.04
96.750	0.00	0.01	0.011	O	|	|	|	0.03
96.833	0.00	0.01	0.011	O	|	|	|	0.03
96.917	0.00	0.01	0.011	O	|	|	|	0.03
97.000	0.00	0.01	0.011	O	|	|	|	0.03
97.083	0.00	0.01	0.011	O	|	|	|	0.03
97.167	0.00	0.01	0.011	O	|	|	|	0.03
97.250	0.00	0.01	0.011	O	|	|	|	0.03
97.333	0.00	0.01	0.011	O	|	|	|	0.03
97.417	0.00	0.01	0.011	O	|	|	|	0.03
97.500	0.00	0.01	0.011	O	|	|	|	0.03
97.583	0.00	0.01	0.011	O	|	|	|	0.03
97.667	0.00	0.01	0.011	O	|	|	|	0.03
97.750	0.00	0.01	0.011	O	|	|	|	0.03
97.833	0.00	0.01	0.010	O	|	|	|	0.03
97.917	0.00	0.01	0.010	O	|	|	|	0.03
98.000	0.00	0.01	0.010	O	|	|	|	0.03
98.083	0.00	0.01	0.010	O	|	|	|	0.03
98.167	0.00	0.01	0.010	O	|	|	|	0.03
98.250	0.00	0.01	0.010	O	|	|	|	0.03
98.333	0.00	0.01	0.010	O	|	|	|	0.03
98.417	0.00	0.01	0.010	O	|	|	|	0.03
98.500	0.00	0.01	0.010	O	|	|	|	0.03
98.583	0.00	0.01	0.010	O	|	|	|	0.03
98.667	0.00	0.01	0.010	O	|	|	|	0.03
98.750	0.00	0.01	0.010	O	|	|	|	0.03
98.833	0.00	0.01	0.010	O	|	|	|	0.03
98.917	0.00	0.01	0.009	O	|	|	|	0.03
99.000	0.00	0.01	0.009	O	|	|	|	0.03
99.083	0.00	0.01	0.009	O	|	|	|	0.03
99.167	0.00	0.01	0.009	O	|	|	|	0.03
99.250	0.00	0.01	0.009	O	|	|	|	0.03
99.333	0.00	0.01	0.009	O	|	|	|	0.03
99.417	0.00	0.01	0.009	O	|	|	|	0.03
99.500	0.00	0.01	0.009	O	|	|	|	0.03
99.583	0.00	0.01	0.009	O	|	|	|	0.03
99.667	0.00	0.01	0.009	O	|	|	|	0.03
99.750	0.00	0.01	0.009	O	|	|	|	0.03
99.833	0.00	0.01	0.009	O	|	|	|	0.03
99.917	0.00	0.01	0.009	O	|	|	|	0.03
100.000	0.00	0.01	0.009	O	|	|	|	0.03
100.083	0.00	0.01	0.009	O	|	|	|	0.03
100.167	0.00	0.01	0.008	O	|	|	|	0.03
100.250	0.00	0.01	0.008	O	|	|	|	0.03
100.333	0.00	0.01	0.008	O	|	|	|	0.03
100.417	0.00	0.01	0.008	O	|	|	|	0.03
100.500	0.00	0.01	0.008	O	|	|	|	0.02
100.583	0.00	0.01	0.008	O	|	|	|	0.02

100.667	0.00	0.01	0.008	O	|	|	|	|	0.02
100.750	0.00	0.01	0.008	O	|	|	|	|	0.02
100.833	0.00	0.01	0.008	O	|	|	|	|	0.02
100.917	0.00	0.01	0.008	O	|	|	|	|	0.02
101.000	0.00	0.01	0.008	O	|	|	|	|	0.02
101.083	0.00	0.01	0.008	O	|	|	|	|	0.02
101.167	0.00	0.01	0.008	O	|	|	|	|	0.02
101.250	0.00	0.01	0.008	O	|	|	|	|	0.02
101.333	0.00	0.01	0.008	O	|	|	|	|	0.02
101.417	0.00	0.01	0.008	O	|	|	|	|	0.02
101.500	0.00	0.01	0.007	O	|	|	|	|	0.02
101.583	0.00	0.01	0.007	O	|	|	|	|	0.02
101.667	0.00	0.01	0.007	O	|	|	|	|	0.02
101.750	0.00	0.01	0.007	O	|	|	|	|	0.02
101.833	0.00	0.01	0.007	O	|	|	|	|	0.02
101.917	0.00	0.01	0.007	O	|	|	|	|	0.02
102.000	0.00	0.01	0.007	O	|	|	|	|	0.02
102.083	0.00	0.01	0.007	O	|	|	|	|	0.02
102.167	0.00	0.01	0.007	O	|	|	|	|	0.02
102.250	0.00	0.01	0.007	O	|	|	|	|	0.02
102.333	0.00	0.01	0.007	O	|	|	|	|	0.02
102.417	0.00	0.01	0.007	O	|	|	|	|	0.02
102.500	0.00	0.01	0.007	O	|	|	|	|	0.02
102.583	0.00	0.01	0.007	O	|	|	|	|	0.02
102.667	0.00	0.01	0.007	O	|	|	|	|	0.02
102.750	0.00	0.01	0.007	O	|	|	|	|	0.02
102.833	0.00	0.01	0.007	O	|	|	|	|	0.02
102.917	0.00	0.01	0.007	O	|	|	|	|	0.02
103.000	0.00	0.01	0.007	O	|	|	|	|	0.02
103.083	0.00	0.01	0.006	O	|	|	|	|	0.02
103.167	0.00	0.01	0.006	O	|	|	|	|	0.02
103.250	0.00	0.01	0.006	O	|	|	|	|	0.02
103.333	0.00	0.01	0.006	O	|	|	|	|	0.02
103.417	0.00	0.01	0.006	O	|	|	|	|	0.02
103.500	0.00	0.01	0.006	O	|	|	|	|	0.02
103.583	0.00	0.01	0.006	O	|	|	|	|	0.02
103.667	0.00	0.01	0.006	O	|	|	|	|	0.02
103.750	0.00	0.01	0.006	O	|	|	|	|	0.02
103.833	0.00	0.01	0.006	O	|	|	|	|	0.02
103.917	0.00	0.01	0.006	O	|	|	|	|	0.02
104.000	0.00	0.01	0.006	O	|	|	|	|	0.02
104.083	0.00	0.01	0.006	O	|	|	|	|	0.02
104.167	0.00	0.01	0.006	O	|	|	|	|	0.02
104.250	0.00	0.01	0.006	O	|	|	|	|	0.02
104.333	0.00	0.01	0.006	O	|	|	|	|	0.02
104.417	0.00	0.01	0.006	O	|	|	|	|	0.02
104.500	0.00	0.01	0.006	O	|	|	|	|	0.02
104.583	0.00	0.01	0.006	O	|	|	|	|	0.02
104.667	0.00	0.01	0.006	O	|	|	|	|	0.02
104.750	0.00	0.01	0.006	O	|	|	|	|	0.02
104.833	0.00	0.01	0.006	O	|	|	|	|	0.02
104.917	0.00	0.01	0.006	O	|	|	|	|	0.02
105.000	0.00	0.01	0.005	O	|	|	|	|	0.02
105.083	0.00	0.01	0.005	O	|	|	|	|	0.02
105.167	0.00	0.01	0.005	O	|	|	|	|	0.02
105.250	0.00	0.01	0.005	O	|	|	|	|	0.02
105.333	0.00	0.01	0.005	O	|	|	|	|	0.02
105.417	0.00	0.01	0.005	O	|	|	|	|	0.02
105.500	0.00	0.01	0.005	O	|	|	|	|	0.02
105.583	0.00	0.01	0.005	O	|	|	|	|	0.02
105.667	0.00	0.01	0.005	O	|	|	|	|	0.02
105.750	0.00	0.01	0.005	O	|	|	|	|	0.02
105.833	0.00	0.01	0.005	O	|	|	|	|	0.02
105.917	0.00	0.01	0.005	O	|	|	|	|	0.02
106.000	0.00	0.01	0.005	O	|	|	|	|	0.02
106.083	0.00	0.01	0.005	O	|	|	|	|	0.02
106.167	0.00	0.01	0.005	O	|	|	|	|	0.01

106.250	0.00	0.01	0.005	O	|	|	|	|	0.01
106.333	0.00	0.01	0.005	O	|	|	|	|	0.01
106.417	0.00	0.01	0.005	O	|	|	|	|	0.01
106.500	0.00	0.01	0.005	O	|	|	|	|	0.01
106.583	0.00	0.01	0.005	O	|	|	|	|	0.01
106.667	0.00	0.01	0.005	O	|	|	|	|	0.01
106.750	0.00	0.01	0.005	O	|	|	|	|	0.01
106.833	0.00	0.01	0.005	O	|	|	|	|	0.01
106.917	0.00	0.01	0.005	O	|	|	|	|	0.01
107.000	0.00	0.00	0.005	O	|	|	|	|	0.01
107.083	0.00	0.00	0.005	O	|	|	|	|	0.01
107.167	0.00	0.00	0.004	O	|	|	|	|	0.01
107.250	0.00	0.00	0.004	O	|	|	|	|	0.01
107.333	0.00	0.00	0.004	O	|	|	|	|	0.01
107.417	0.00	0.00	0.004	O	|	|	|	|	0.01
107.500	0.00	0.00	0.004	O	|	|	|	|	0.01
107.583	0.00	0.00	0.004	O	|	|	|	|	0.01
107.667	0.00	0.00	0.004	O	|	|	|	|	0.01
107.750	0.00	0.00	0.004	O	|	|	|	|	0.01
107.833	0.00	0.00	0.004	O	|	|	|	|	0.01
107.917	0.00	0.00	0.004	O	|	|	|	|	0.01
108.000	0.00	0.00	0.004	O	|	|	|	|	0.01
108.083	0.00	0.00	0.004	O	|	|	|	|	0.01
108.167	0.00	0.00	0.004	O	|	|	|	|	0.01
108.250	0.00	0.00	0.004	O	|	|	|	|	0.01
108.333	0.00	0.00	0.004	O	|	|	|	|	0.01
108.417	0.00	0.00	0.004	O	|	|	|	|	0.01
108.500	0.00	0.00	0.004	O	|	|	|	|	0.01
108.583	0.00	0.00	0.004	O	|	|	|	|	0.01
108.667	0.00	0.00	0.004	O	|	|	|	|	0.01
108.750	0.00	0.00	0.004	O	|	|	|	|	0.01
108.833	0.00	0.00	0.004	O	|	|	|	|	0.01
108.917	0.00	0.00	0.004	O	|	|	|	|	0.01
109.000	0.00	0.00	0.004	O	|	|	|	|	0.01
109.083	0.00	0.00	0.004	O	|	|	|	|	0.01
109.167	0.00	0.00	0.004	O	|	|	|	|	0.01
109.250	0.00	0.00	0.004	O	|	|	|	|	0.01
109.333	0.00	0.00	0.004	O	|	|	|	|	0.01
109.417	0.00	0.00	0.004	O	|	|	|	|	0.01
109.500	0.00	0.00	0.004	O	|	|	|	|	0.01
109.583	0.00	0.00	0.004	O	|	|	|	|	0.01
109.667	0.00	0.00	0.004	O	|	|	|	|	0.01
109.750	0.00	0.00	0.004	O	|	|	|	|	0.01
109.833	0.00	0.00	0.004	O	|	|	|	|	0.01
109.917	0.00	0.00	0.004	O	|	|	|	|	0.01
110.000	0.00	0.00	0.003	O	|	|	|	|	0.01
110.083	0.00	0.00	0.003	O	|	|	|	|	0.01
110.167	0.00	0.00	0.003	O	|	|	|	|	0.01
110.250	0.00	0.00	0.003	O	|	|	|	|	0.01
110.333	0.00	0.00	0.003	O	|	|	|	|	0.01
110.417	0.00	0.00	0.003	O	|	|	|	|	0.01
110.500	0.00	0.00	0.003	O	|	|	|	|	0.01
110.583	0.00	0.00	0.003	O	|	|	|	|	0.01
110.667	0.00	0.00	0.003	O	|	|	|	|	0.01
110.750	0.00	0.00	0.003	O	|	|	|	|	0.01
110.833	0.00	0.00	0.003	O	|	|	|	|	0.01
110.917	0.00	0.00	0.003	O	|	|	|	|	0.01
111.000	0.00	0.00	0.003	O	|	|	|	|	0.01
111.083	0.00	0.00	0.003	O	|	|	|	|	0.01
111.167	0.00	0.00	0.003	O	|	|	|	|	0.01
111.250	0.00	0.00	0.003	O	|	|	|	|	0.01
111.333	0.00	0.00	0.003	O	|	|	|	|	0.01
111.417	0.00	0.00	0.003	O	|	|	|	|	0.01
111.500	0.00	0.00	0.003	O	|	|	|	|	0.01
111.583	0.00	0.00	0.003	O	|	|	|	|	0.01
111.667	0.00	0.00	0.003	O	|	|	|	|	0.01
111.750	0.00	0.00	0.003	O	|	|	|	|	0.01

111.833	0.00	0.00	0.003	O	|	|	|	| 0.01
111.917	0.00	0.00	0.003	O	|	|	|	| 0.01
112.000	0.00	0.00	0.003	O	|	|	|	| 0.01
112.083	0.00	0.00	0.003	O	|	|	|	| 0.01
112.167	0.00	0.00	0.003	O	|	|	|	| 0.01
112.250	0.00	0.00	0.003	O	|	|	|	| 0.01
112.333	0.00	0.00	0.003	O	|	|	|	| 0.01
112.417	0.00	0.00	0.003	O	|	|	|	| 0.01
112.500	0.00	0.00	0.003	O	|	|	|	| 0.01
112.583	0.00	0.00	0.003	O	|	|	|	| 0.01
112.667	0.00	0.00	0.003	O	|	|	|	| 0.01
112.750	0.00	0.00	0.003	O	|	|	|	| 0.01
112.833	0.00	0.00	0.003	O	|	|	|	| 0.01
112.917	0.00	0.00	0.003	O	|	|	|	| 0.01
113.000	0.00	0.00	0.003	O	|	|	|	| 0.01
113.083	0.00	0.00	0.003	O	|	|	|	| 0.01
113.167	0.00	0.00	0.003	O	|	|	|	| 0.01
113.250	0.00	0.00	0.003	O	|	|	|	| 0.01
113.333	0.00	0.00	0.003	O	|	|	|	| 0.01
113.417	0.00	0.00	0.003	O	|	|	|	| 0.01
113.500	0.00	0.00	0.003	O	|	|	|	| 0.01
113.583	0.00	0.00	0.003	O	|	|	|	| 0.01
113.667	0.00	0.00	0.003	O	|	|	|	| 0.01
113.750	0.00	0.00	0.002	O	|	|	|	| 0.01
113.833	0.00	0.00	0.002	O	|	|	|	| 0.01
113.917	0.00	0.00	0.002	O	|	|	|	| 0.01
114.000	0.00	0.00	0.002	O	|	|	|	| 0.01
114.083	0.00	0.00	0.002	O	|	|	|	| 0.01
114.167	0.00	0.00	0.002	O	|	|	|	| 0.01
114.250	0.00	0.00	0.002	O	|	|	|	| 0.01
114.333	0.00	0.00	0.002	O	|	|	|	| 0.01
114.417	0.00	0.00	0.002	O	|	|	|	| 0.01
114.500	0.00	0.00	0.002	O	|	|	|	| 0.01
114.583	0.00	0.00	0.002	O	|	|	|	| 0.01
114.667	0.00	0.00	0.002	O	|	|	|	| 0.01
114.750	0.00	0.00	0.002	O	|	|	|	| 0.01
114.833	0.00	0.00	0.002	O	|	|	|	| 0.01
114.917	0.00	0.00	0.002	O	|	|	|	| 0.01
115.000	0.00	0.00	0.002	O	|	|	|	| 0.01
115.083	0.00	0.00	0.002	O	|	|	|	| 0.01
115.167	0.00	0.00	0.002	O	|	|	|	| 0.01
115.250	0.00	0.00	0.002	O	|	|	|	| 0.01
115.333	0.00	0.00	0.002	O	|	|	|	| 0.01
115.417	0.00	0.00	0.002	O	|	|	|	| 0.01
115.500	0.00	0.00	0.002	O	|	|	|	| 0.01
115.583	0.00	0.00	0.002	O	|	|	|	| 0.01
115.667	0.00	0.00	0.002	O	|	|	|	| 0.01
115.750	0.00	0.00	0.002	O	|	|	|	| 0.01
115.833	0.00	0.00	0.002	O	|	|	|	| 0.01
115.917	0.00	0.00	0.002	O	|	|	|	| 0.01
116.000	0.00	0.00	0.002	O	|	|	|	| 0.01
116.083	0.00	0.00	0.002	O	|	|	|	| 0.01
116.167	0.00	0.00	0.002	O	|	|	|	| 0.01
116.250	0.00	0.00	0.002	O	|	|	|	| 0.01
116.333	0.00	0.00	0.002	O	|	|	|	| 0.01
116.417	0.00	0.00	0.002	O	|	|	|	| 0.01
116.500	0.00	0.00	0.002	O	|	|	|	| 0.01
116.583	0.00	0.00	0.002	O	|	|	|	| 0.01
116.667	0.00	0.00	0.002	O	|	|	|	| 0.01
116.750	0.00	0.00	0.002	O	|	|	|	| 0.01
116.833	0.00	0.00	0.002	O	|	|	|	| 0.01
116.917	0.00	0.00	0.002	O	|	|	|	| 0.01
117.000	0.00	0.00	0.002	O	|	|	|	| 0.01
117.083	0.00	0.00	0.002	O	|	|	|	| 0.01
117.167	0.00	0.00	0.002	O	|	|	|	| 0.01
117.250	0.00	0.00	0.002	O	|	|	|	| 0.01
117.333	0.00	0.00	0.002	O	|	|	|	| 0.01

117.417	0.00	0.00	0.002	O	|	|	|	0.01
117.500	0.00	0.00	0.002	O	|	|	|	0.01
117.583	0.00	0.00	0.002	O	|	|	|	0.01
117.667	0.00	0.00	0.002	O	|	|	|	0.01
117.750	0.00	0.00	0.002	O	|	|	|	0.01
117.833	0.00	0.00	0.002	O	|	|	|	0.01
117.917	0.00	0.00	0.002	O	|	|	|	0.01
118.000	0.00	0.00	0.002	O	|	|	|	0.01
118.083	0.00	0.00	0.002	O	|	|	|	0.01
118.167	0.00	0.00	0.002	O	|	|	|	0.01
118.250	0.00	0.00	0.002	O	|	|	|	0.01
118.333	0.00	0.00	0.002	O	|	|	|	0.00
118.417	0.00	0.00	0.002	O	|	|	|	0.00
118.500	0.00	0.00	0.002	O	|	|	|	0.00
118.583	0.00	0.00	0.002	O	|	|	|	0.00
118.667	0.00	0.00	0.002	O	|	|	|	0.00
118.750	0.00	0.00	0.002	O	|	|	|	0.00
118.833	0.00	0.00	0.002	O	|	|	|	0.00
118.917	0.00	0.00	0.002	O	|	|	|	0.00
119.000	0.00	0.00	0.002	O	|	|	|	0.00
119.083	0.00	0.00	0.002	O	|	|	|	0.00
119.167	0.00	0.00	0.002	O	|	|	|	0.00
119.250	0.00	0.00	0.002	O	|	|	|	0.00
119.333	0.00	0.00	0.002	O	|	|	|	0.00
119.417	0.00	0.00	0.001	O	|	|	|	0.00
119.500	0.00	0.00	0.001	O	|	|	|	0.00
119.583	0.00	0.00	0.001	O	|	|	|	0.00
119.667	0.00	0.00	0.001	O	|	|	|	0.00
119.750	0.00	0.00	0.001	O	|	|	|	0.00
119.833	0.00	0.00	0.001	O	|	|	|	0.00
119.917	0.00	0.00	0.001	O	|	|	|	0.00
120.000	0.00	0.00	0.001	O	|	|	|	0.00
120.083	0.00	0.00	0.001	O	|	|	|	0.00
120.167	0.00	0.00	0.001	O	|	|	|	0.00
120.250	0.00	0.00	0.001	O	|	|	|	0.00
120.333	0.00	0.00	0.001	O	|	|	|	0.00
120.417	0.00	0.00	0.001	O	|	|	|	0.00
120.500	0.00	0.00	0.001	O	|	|	|	0.00
120.583	0.00	0.00	0.001	O	|	|	|	0.00
120.667	0.00	0.00	0.001	O	|	|	|	0.00
120.750	0.00	0.00	0.001	O	|	|	|	0.00
120.833	0.00	0.00	0.001	O	|	|	|	0.00
120.917	0.00	0.00	0.001	O	|	|	|	0.00
121.000	0.00	0.00	0.001	O	|	|	|	0.00
121.083	0.00	0.00	0.001	O	|	|	|	0.00
121.167	0.00	0.00	0.001	O	|	|	|	0.00
121.250	0.00	0.00	0.001	O	|	|	|	0.00
121.333	0.00	0.00	0.001	O	|	|	|	0.00
121.417	0.00	0.00	0.001	O	|	|	|	0.00
121.500	0.00	0.00	0.001	O	|	|	|	0.00
121.583	0.00	0.00	0.001	O	|	|	|	0.00
121.667	0.00	0.00	0.001	O	|	|	|	0.00
121.750	0.00	0.00	0.001	O	|	|	|	0.00
121.833	0.00	0.00	0.001	O	|	|	|	0.00
121.917	0.00	0.00	0.001	O	|	|	|	0.00
122.000	0.00	0.00	0.001	O	|	|	|	0.00
122.083	0.00	0.00	0.001	O	|	|	|	0.00
122.167	0.00	0.00	0.001	O	|	|	|	0.00
122.250	0.00	0.00	0.001	O	|	|	|	0.00
122.333	0.00	0.00	0.001	O	|	|	|	0.00
122.417	0.00	0.00	0.001	O	|	|	|	0.00
122.500	0.00	0.00	0.001	O	|	|	|	0.00
122.583	0.00	0.00	0.001	O	|	|	|	0.00
122.667	0.00	0.00	0.001	O	|	|	|	0.00
122.750	0.00	0.00	0.001	O	|	|	|	0.00
122.833	0.00	0.00	0.001	O	|	|	|	0.00
122.917	0.00	0.00	0.001	O	|	|	|	0.00

123.000	0.00	0.00	0.001	O	|	|	|	|	0.00
123.083	0.00	0.00	0.001	O	|	|	|	|	0.00
123.167	0.00	0.00	0.001	O	|	|	|	|	0.00
123.250	0.00	0.00	0.001	O	|	|	|	|	0.00
123.333	0.00	0.00	0.001	O	|	|	|	|	0.00
123.417	0.00	0.00	0.001	O	|	|	|	|	0.00
123.500	0.00	0.00	0.001	O	|	|	|	|	0.00
123.583	0.00	0.00	0.001	O	|	|	|	|	0.00
123.667	0.00	0.00	0.001	O	|	|	|	|	0.00
123.750	0.00	0.00	0.001	O	|	|	|	|	0.00
123.833	0.00	0.00	0.001	O	|	|	|	|	0.00
123.917	0.00	0.00	0.001	O	|	|	|	|	0.00
124.000	0.00	0.00	0.001	O	|	|	|	|	0.00
124.083	0.00	0.00	0.001	O	|	|	|	|	0.00
124.167	0.00	0.00	0.001	O	|	|	|	|	0.00
124.250	0.00	0.00	0.001	O	|	|	|	|	0.00
124.333	0.00	0.00	0.001	O	|	|	|	|	0.00
124.417	0.00	0.00	0.001	O	|	|	|	|	0.00
124.500	0.00	0.00	0.001	O	|	|	|	|	0.00
124.583	0.00	0.00	0.001	O	|	|	|	|	0.00
124.667	0.00	0.00	0.001	O	|	|	|	|	0.00
124.750	0.00	0.00	0.001	O	|	|	|	|	0.00
124.833	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 1498
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.198 (CFS)
Total volume = 4.708 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRF1100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 58.918 (CFS)
Total volume = 1.576 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN F- ROUTING
100YR-1HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.330	0.360	0.329	0.331
2.000	0.720	0.580	0.718	0.722
3.000	1.150	0.750	1.147	1.153
4.000	1.650	0.880	1.647	1.653
5.000	2.200	1.000	2.197	2.203
6.000	2.810	1.910	2.803	2.817
7.000	3.480	2.340	3.472	3.488
8.000	4.230	2.680	4.221	4.239
9.000	5.040	69.580	4.800	5.280

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 14.7 29.46 44.19 58.92	Depth (Ft.)
0.083	3.74	0.01	0.013	O I | | | |	0.04

0.167	7.19	0.05	0.050	O	I	|	|	|	|	0.15
0.250	8.47	0.11	0.104	O	I	|	|	|	|	0.31
0.333	9.24	0.18	0.164	O	I	|	|	|	|	0.50
0.417	10.19	0.25	0.229	O	I	|	|	|	|	0.69
0.500	12.13	0.33	0.304	O	I	|	|	|	|	0.92
0.583	14.06	0.39	0.392	O	I	|	|	|	|	1.16
0.667	17.79	0.45	0.498	O	|	I	|	|	|	1.43
0.750	27.46	0.54	0.651	O	|	|	I	|	|	1.82
0.833	58.92	0.67	0.944	O	|	|	|	|	I	2.52
0.917	40.48	0.78	1.281	O	|	|	|	I	|	3.26
1.000	15.00	0.83	1.467	O	|	I	|	|	|	3.63
1.083	3.75	0.85	1.525	O	I	|	|	|	|	3.75
1.167	0.46	**0.85**	**1.534**	**O**	|	|	|	|	|	**3.77**
1.250	0.00	0.85	1.530	O	|	|	|	|	|	3.76
1.333	0.00	0.85	1.524	O	|	|	|	|	|	3.75
1.417	0.00	0.85	1.518	O	|	|	|	|	|	3.74
1.500	0.00	0.84	1.512	O	|	|	|	|	|	3.72
1.583	0.00	0.84	1.507	O	|	|	|	|	|	3.71
1.667	0.00	0.84	1.501	O	|	|	|	|	|	3.70
1.750	0.00	0.84	1.495	O	|	|	|	|	|	3.69
1.833	0.00	0.84	1.489	O	|	|	|	|	|	3.68
1.917	0.00	0.84	1.483	O	|	|	|	|	|	3.67
2.000	0.00	0.84	1.478	O	|	|	|	|	|	3.66
2.083	0.00	0.83	1.472	O	|	|	|	|	|	3.64
2.167	0.00	0.83	1.466	O	|	|	|	|	|	3.63
2.250	0.00	0.83	1.460	O	|	|	|	|	|	3.62
2.333	0.00	0.83	1.455	O	|	|	|	|	|	3.61
2.417	0.00	0.83	1.449	O	|	|	|	|	|	3.60
2.500	0.00	0.83	1.443	O	|	|	|	|	|	3.59
2.583	0.00	0.82	1.438	O	|	|	|	|	|	3.58
2.667	0.00	0.82	1.432	O	|	|	|	|	|	3.56
2.750	0.00	0.82	1.426	O	|	|	|	|	|	3.55
2.833	0.00	0.82	1.421	O	|	|	|	|	|	3.54
2.917	0.00	0.82	1.415	O	|	|	|	|	|	3.53
3.000	0.00	0.82	1.409	O	|	|	|	|	|	3.52
3.083	0.00	0.82	1.404	O	|	|	|	|	|	3.51
3.167	0.00	0.81	1.398	O	|	|	|	|	|	3.50
3.250	0.00	0.81	1.393	O	|	|	|	|	|	3.49
3.333	0.00	0.81	1.387	O	|	|	|	|	|	3.47
3.417	0.00	0.81	1.381	O	|	|	|	|	|	3.46
3.500	0.00	0.81	1.376	O	|	|	|	|	|	3.45
3.583	0.00	0.81	1.370	O	|	|	|	|	|	3.44
3.667	0.00	0.81	1.365	O	|	|	|	|	|	3.43
3.750	0.00	0.80	1.359	O	|	|	|	|	|	3.42
3.833	0.00	0.80	1.354	O	|	|	|	|	|	3.41
3.917	0.00	0.80	1.348	O	|	|	|	|	|	3.40
4.000	0.00	0.80	1.343	O	|	|	|	|	|	3.39
4.083	0.00	0.80	1.337	O	|	|	|	|	|	3.37
4.167	0.00	0.80	1.332	O	|	|	|	|	|	3.36
4.250	0.00	0.80	1.326	O	|	|	|	|	|	3.35
4.333	0.00	0.79	1.321	O	|	|	|	|	|	3.34
4.417	0.00	0.79	1.315	O	|	|	|	|	|	3.33
4.500	0.00	0.79	1.310	O	|	|	|	|	|	3.32
4.583	0.00	0.79	1.304	O	|	|	|	|	|	3.31
4.667	0.00	0.79	1.299	O	|	|	|	|	|	3.30
4.750	0.00	0.79	1.293	O	|	|	|	|	|	3.29
4.833	0.00	0.79	1.288	O	|	|	|	|	|	3.28
4.917	0.00	0.78	1.283	O	|	|	|	|	|	3.27
5.000	0.00	0.78	1.277	O	|	|	|	|	|	3.25
5.083	0.00	0.78	1.272	O	|	|	|	|	|	3.24
5.167	0.00	0.78	1.266	O	|	|	|	|	|	3.23
5.250	0.00	0.78	1.261	O	|	|	|	|	|	3.22
5.333	0.00	0.78	1.256	O	|	|	|	|	|	3.21
5.417	0.00	0.78	1.250	O	|	|	|	|	|	3.20
5.500	0.00	0.77	1.245	O	|	|	|	|	|	3.19
5.583	0.00	0.77	1.240	O	|	|	|	|	|	3.18
5.667	0.00	0.77	1.234	O	|	|	|	|	|	3.17

5.750	0.00	0.77	1.229	O	|	|	|	3.16
5.833	0.00	0.77	1.224	O	|	|	|	3.15
5.917	0.00	0.77	1.218	O	|	|	|	3.14
6.000	0.00	0.77	1.213	O	|	|	|	3.13
6.083	0.00	0.77	1.208	O	|	|	|	3.12
6.167	0.00	0.76	1.203	O	|	|	|	3.11
6.250	0.00	0.76	1.197	O	|	|	|	3.09
6.333	0.00	0.76	1.192	O	|	|	|	3.08
6.417	0.00	0.76	1.187	O	|	|	|	3.07
6.500	0.00	0.76	1.182	O	|	|	|	3.06
6.583	0.00	0.76	1.176	O	|	|	|	3.05
6.667	0.00	0.76	1.171	O	|	|	|	3.04
6.750	0.00	0.75	1.166	O	|	|	|	3.03
6.833	0.00	0.75	1.161	O	|	|	|	3.02
6.917	0.00	0.75	1.156	O	|	|	|	3.01
7.000	0.00	0.75	1.150	O	|	|	|	3.00
7.083	0.00	0.75	1.145	O	|	|	|	2.99
7.167	0.00	0.75	1.140	O	|	|	|	2.98
7.250	0.00	0.74	1.135	O	|	|	|	2.97
7.333	0.00	0.74	1.130	O	|	|	|	2.95
7.417	0.00	0.74	1.125	O	|	|	|	2.94
7.500	0.00	0.74	1.120	O	|	|	|	2.93
7.583	0.00	0.74	1.115	O	|	|	|	2.92
7.667	0.00	0.73	1.110	O	|	|	|	2.91
7.750	0.00	0.73	1.105	O	|	|	|	2.89
7.833	0.00	0.73	1.099	O	|	|	|	2.88
7.917	0.00	0.73	1.094	O	|	|	|	2.87
8.000	0.00	0.73	1.089	O	|	|	|	2.86
8.083	0.00	0.72	1.084	O	|	|	|	2.85
8.167	0.00	0.72	1.079	O	|	|	|	2.84
8.250	0.00	0.72	1.075	O	|	|	|	2.82
8.333	0.00	0.72	1.070	O	|	|	|	2.81
8.417	0.00	0.72	1.065	O	|	|	|	2.80
8.500	0.00	0.71	1.060	O	|	|	|	2.79
8.583	0.00	0.71	1.055	O	|	|	|	2.78
8.667	0.00	0.71	1.050	O	|	|	|	2.77
8.750	0.00	0.71	1.045	O	|	|	|	2.76
8.833	0.00	0.71	1.040	O	|	|	|	2.74
8.917	0.00	0.70	1.035	O	|	|	|	2.73
9.000	0.00	0.70	1.030	O	|	|	|	2.72
9.083	0.00	0.70	1.026	O	|	|	|	2.71
9.167	0.00	0.70	1.021	O	|	|	|	2.70
9.250	0.00	0.70	1.016	O	|	|	|	2.69
9.333	0.00	0.70	1.011	O	|	|	|	2.68
9.417	0.00	0.69	1.006	O	|	|	|	2.67
9.500	0.00	0.69	1.002	O	|	|	|	2.65
9.583	0.00	0.69	0.997	O	|	|	|	2.64
9.667	0.00	0.69	0.992	O	|	|	|	2.63
9.750	0.00	0.69	0.987	O	|	|	|	2.62
9.833	0.00	0.68	0.983	O	|	|	|	2.61
9.917	0.00	0.68	0.978	O	|	|	|	2.60
10.000	0.00	0.68	0.973	O	|	|	|	2.59
10.083	0.00	0.68	0.969	O	|	|	|	2.58
10.167	0.00	0.68	0.964	O	|	|	|	2.57
10.250	0.00	0.67	0.959	O	|	|	|	2.56
10.333	0.00	0.67	0.955	O	|	|	|	2.55
10.417	0.00	0.67	0.950	O	|	|	|	2.53
10.500	0.00	0.67	0.945	O	|	|	|	2.52
10.583	0.00	0.67	0.941	O	|	|	|	2.51
10.667	0.00	0.67	0.936	O	|	|	|	2.50
10.750	0.00	0.66	0.932	O	|	|	|	2.49
10.833	0.00	0.66	0.927	O	|	|	|	2.48
10.917	0.00	0.66	0.923	O	|	|	|	2.47
11.000	0.00	0.66	0.918	O	|	|	|	2.46
11.083	0.00	0.66	0.913	O	|	|	|	2.45
11.167	0.00	0.65	0.909	O	|	|	|	2.44
11.250	0.00	0.65	0.904	O	|	|	|	2.43

11.333	0.00	0.65	0.900	O					2.42
11.417	0.00	0.65	0.895	O					2.41
11.500	0.00	0.65	0.891	O					2.40
11.583	0.00	0.65	0.887	O					2.39
11.667	0.00	0.64	0.882	O					2.38
11.750	0.00	0.64	0.878	O					2.37
11.833	0.00	0.64	0.873	O					2.36
11.917	0.00	0.64	0.869	O					2.35
12.000	0.00	0.64	0.864	O					2.34
12.083	0.00	0.64	0.860	O					2.33
12.167	0.00	0.63	0.856	O					2.32
12.250	0.00	0.63	0.851	O					2.31
12.333	0.00	0.63	0.847	O					2.30
12.417	0.00	0.63	0.843	O					2.29
12.500	0.00	0.63	0.838	O					2.28
12.583	0.00	0.63	0.834	O					2.27
12.667	0.00	0.62	0.830	O					2.26
12.750	0.00	0.62	0.825	O					2.25
12.833	0.00	0.62	0.821	O					2.24
12.917	0.00	0.62	0.817	O					2.23
13.000	0.00	0.62	0.813	O					2.22
13.083	0.00	0.61	0.808	O					2.21
13.167	0.00	0.61	0.804	O					2.20
13.250	0.00	0.61	0.800	O					2.19
13.333	0.00	0.61	0.796	O					2.18
13.417	0.00	0.61	0.792	O					2.17
13.500	0.00	0.61	0.787	O					2.16
13.583	0.00	0.60	0.783	O					2.15
13.667	0.00	0.60	0.779	O					2.14
13.750	0.00	0.60	0.775	O					2.13
13.833	0.00	0.60	0.771	O					2.12
13.917	0.00	0.60	0.767	O					2.11
14.000	0.00	0.60	0.763	O					2.10
14.083	0.00	0.60	0.758	O					2.09
14.167	0.00	0.59	0.754	O					2.08
14.250	0.00	0.59	0.750	O					2.07
14.333	0.00	0.59	0.746	O					2.06
14.417	0.00	0.59	0.742	O					2.05
14.500	0.00	0.59	0.738	O					2.04
14.583	0.00	0.59	0.734	O					2.03
14.667	0.00	0.58	0.730	O					2.02
14.750	0.00	0.58	0.726	O					2.01
14.833	0.00	0.58	0.722	O					2.00
14.917	0.00	0.58	0.718	O					1.99
15.000	0.00	0.58	0.714	O					1.98
15.083	0.00	0.57	0.710	O					1.97
15.167	0.00	0.57	0.706	O					1.96
15.250	0.00	0.57	0.702	O					1.95
15.333	0.00	0.57	0.698	O					1.94
15.417	0.00	0.57	0.694	O					1.93
15.500	0.00	0.56	0.690	O					1.92
15.583	0.00	0.56	0.687	O					1.91
15.667	0.00	0.56	0.683	O					1.90
15.750	0.00	0.56	0.679	O					1.89
15.833	0.00	0.55	0.675	O					1.88
15.917	0.00	0.55	0.671	O					1.87
16.000	0.00	0.55	0.667	O					1.87
16.083	0.00	0.55	0.664	O					1.86
16.167	0.00	0.55	0.660	O					1.85
16.250	0.00	0.54	0.656	O					1.84
16.333	0.00	0.54	0.652	O					1.83
16.417	0.00	0.54	0.649	O					1.82
16.500	0.00	0.54	0.645	O					1.81
16.583	0.00	0.54	0.641	O					1.80
16.667	0.00	0.53	0.638	O					1.79
16.750	0.00	0.53	0.634	O					1.78
16.833	0.00	0.53	0.630	O					1.77

16.917	0.00	0.53	0.627	O	|	|	|	1.76
17.000	0.00	0.53	0.623	O	|	|	|	1.75
17.083	0.00	0.52	0.619	O	|	|	|	1.74
17.167	0.00	0.52	0.616	O	|	|	|	1.73
17.250	0.00	0.52	0.612	O	|	|	|	1.72
17.333	0.00	0.52	0.609	O	|	|	|	1.71
17.417	0.00	0.52	0.605	O	|	|	|	1.71
17.500	0.00	0.51	0.602	O	|	|	|	1.70
17.583	0.00	0.51	0.598	O	|	|	|	1.69
17.667	0.00	0.51	0.594	O	|	|	|	1.68
17.750	0.00	0.51	0.591	O	|	|	|	1.67
17.833	0.00	0.51	0.588	O	|	|	|	1.66
17.917	0.00	0.50	0.584	O	|	|	|	1.65
18.000	0.00	0.50	0.581	O	|	|	|	1.64
18.083	0.00	0.50	0.577	O	|	|	|	1.63
18.167	0.00	0.50	0.574	O	|	|	|	1.62
18.250	0.00	0.50	0.570	O	|	|	|	1.62
18.333	0.00	0.49	0.567	O	|	|	|	1.61
18.417	0.00	0.49	0.563	O	|	|	|	1.60
18.500	0.00	0.49	0.560	O	|	|	|	1.59
18.583	0.00	0.49	0.557	O	|	|	|	1.58
18.667	0.00	0.49	0.553	O	|	|	|	1.57
18.750	0.00	0.48	0.550	O	|	|	|	1.56
18.833	0.00	0.48	0.547	O	|	|	|	1.56
18.917	0.00	0.48	0.543	O	|	|	|	1.55
19.000	0.00	0.48	0.540	O	|	|	|	1.54
19.083	0.00	0.48	0.537	O	|	|	|	1.53
19.167	0.00	0.47	0.534	O	|	|	|	1.52
19.250	0.00	0.47	0.530	O	|	|	|	1.51
19.333	0.00	0.47	0.527	O	|	|	|	1.51
19.417	0.00	0.47	0.524	O	|	|	|	1.50
19.500	0.00	0.47	0.521	O	|	|	|	1.49
19.583	0.00	0.47	0.517	O	|	|	|	1.48
19.667	0.00	0.46	0.514	O	|	|	|	1.47
19.750	0.00	0.46	0.511	O	|	|	|	1.46
19.833	0.00	0.46	0.508	O	|	|	|	1.46
19.917	0.00	0.46	0.505	O	|	|	|	1.45
20.000	0.00	0.46	0.501	O	|	|	|	1.44
20.083	0.00	0.45	0.498	O	|	|	|	1.43
20.167	0.00	0.45	0.495	O	|	|	|	1.42
20.250	0.00	0.45	0.492	O	|	|	|	1.42
20.333	0.00	0.45	0.489	O	|	|	|	1.41
20.417	0.00	0.45	0.486	O	|	|	|	1.40
20.500	0.00	0.45	0.483	O	|	|	|	1.39
20.583	0.00	0.44	0.480	O	|	|	|	1.38
20.667	0.00	0.44	0.477	O	|	|	|	1.38
20.750	0.00	0.44	0.474	O	|	|	|	1.37
20.833	0.00	0.44	0.471	O	|	|	|	1.36
20.917	0.00	0.44	0.468	O	|	|	|	1.35
21.000	0.00	0.44	0.465	O	|	|	|	1.35
21.083	0.00	0.43	0.462	O	|	|	|	1.34
21.167	0.00	0.43	0.459	O	|	|	|	1.33
21.250	0.00	0.43	0.456	O	|	|	|	1.32
21.333	0.00	0.43	0.453	O	|	|	|	1.31
21.417	0.00	0.43	0.450	O	|	|	|	1.31
21.500	0.00	0.43	0.447	O	|	|	|	1.30
21.583	0.00	0.42	0.444	O	|	|	|	1.29
21.667	0.00	0.42	0.441	O	|	|	|	1.28
21.750	0.00	0.42	0.438	O	|	|	|	1.28
21.833	0.00	0.42	0.435	O	|	|	|	1.27
21.917	0.00	0.42	0.432	O	|	|	|	1.26
22.000	0.00	0.42	0.429	O	|	|	|	1.25
22.083	0.00	0.41	0.427	O	|	|	|	1.25
22.167	0.00	0.41	0.424	O	|	|	|	1.24
22.250	0.00	0.41	0.421	O	|	|	|	1.23
22.333	0.00	0.41	0.418	O	|	|	|	1.23
22.417	0.00	0.41	0.415	O	|	|	|	1.22

22.500	0.00	0.41	0.412	O	|	|	|	1.21
22.583	0.00	0.40	0.410	O	|	|	|	1.20
22.667	0.00	0.40	0.407	O	|	|	|	1.20
22.750	0.00	0.40	0.404	O	|	|	|	1.19
22.833	0.00	0.40	0.401	O	|	|	|	1.18
22.917	0.00	0.40	0.399	O	|	|	|	1.18
23.000	0.00	0.40	0.396	O	|	|	|	1.17
23.083	0.00	0.40	0.393	O	|	|	|	1.16
23.167	0.00	0.39	0.390	O	|	|	|	1.15
23.250	0.00	0.39	0.388	O	|	|	|	1.15
23.333	0.00	0.39	0.385	O	|	|	|	1.14
23.417	0.00	0.39	0.382	O	|	|	|	1.13
23.500	0.00	0.39	0.380	O	|	|	|	1.13
23.583	0.00	0.39	0.377	O	|	|	|	1.12
23.667	0.00	0.38	0.374	O	|	|	|	1.11
23.750	0.00	0.38	0.372	O	|	|	|	1.11
23.833	0.00	0.38	0.369	O	|	|	|	1.10
23.917	0.00	0.38	0.366	O	|	|	|	1.09
24.000	0.00	0.38	0.364	O	|	|	|	1.09
24.083	0.00	0.38	0.361	O	|	|	|	1.08
24.167	0.00	0.38	0.359	O	|	|	|	1.07
24.250	0.00	0.37	0.356	O	|	|	|	1.07
24.333	0.00	0.37	0.353	O	|	|	|	1.06
24.417	0.00	0.37	0.351	O	|	|	|	1.05
24.500	0.00	0.37	0.348	O	|	|	|	1.05
24.583	0.00	0.37	0.346	O	|	|	|	1.04
24.667	0.00	0.37	0.343	O	|	|	|	1.03
24.750	0.00	0.37	0.341	O	|	|	|	1.03
24.833	0.00	0.36	0.338	O	|	|	|	1.02
24.917	0.00	0.36	0.336	O	|	|	|	1.01
25.000	0.00	0.36	0.333	O	|	|	|	1.01
25.083	0.00	0.36	0.331	O	|	|	|	1.00
25.167	0.00	0.36	0.328	O	|	|	|	0.99
25.250	0.00	0.36	0.326	O	|	|	|	0.99
25.333	0.00	0.35	0.323	O	|	|	|	0.98
25.417	0.00	0.35	0.321	O	|	|	|	0.97
25.500	0.00	0.35	0.318	O	|	|	|	0.96
25.583	0.00	0.34	0.316	O	|	|	|	0.96
25.667	0.00	0.34	0.314	O	|	|	|	0.95
25.750	0.00	0.34	0.311	O	|	|	|	0.94
25.833	0.00	0.34	0.309	O	|	|	|	0.94
25.917	0.00	0.33	0.307	O	|	|	|	0.93
26.000	0.00	0.33	0.304	O	|	|	|	0.92
26.083	0.00	0.33	0.302	O	|	|	|	0.92
26.167	0.00	0.33	0.300	O	|	|	|	0.91
26.250	0.00	0.32	0.298	O	|	|	|	0.90
26.333	0.00	0.32	0.295	O	|	|	|	0.90
26.417	0.00	0.32	0.293	O	|	|	|	0.89
26.500	0.00	0.32	0.291	O	|	|	|	0.88
26.583	0.00	0.32	0.289	O	|	|	|	0.88
26.667	0.00	0.31	0.287	O	|	|	|	0.87
26.750	0.00	0.31	0.284	O	|	|	|	0.86
26.833	0.00	0.31	0.282	O	|	|	|	0.86
26.917	0.00	0.31	0.280	O	|	|	|	0.85
27.000	0.00	0.30	0.278	O	|	|	|	0.84
27.083	0.00	0.30	0.276	O	|	|	|	0.84
27.167	0.00	0.30	0.274	O	|	|	|	0.83
27.250	0.00	0.30	0.272	O	|	|	|	0.82
27.333	0.00	0.29	0.270	O	|	|	|	0.82
27.417	0.00	0.29	0.268	O	|	|	|	0.81
27.500	0.00	0.29	0.266	O	|	|	|	0.81
27.583	0.00	0.29	0.264	O	|	|	|	0.80
27.667	0.00	0.29	0.262	O	|	|	|	0.79
27.750	0.00	0.28	0.260	O	|	|	|	0.79
27.833	0.00	0.28	0.258	O	|	|	|	0.78
27.917	0.00	0.28	0.256	O	|	|	|	0.78
28.000	0.00	0.28	0.254	O	|	|	|	0.77

28.083	0.00	0.28	0.252	O	|	|	|	0.76
28.167	0.00	0.27	0.250	O	|	|	|	0.76
28.250	0.00	0.27	0.249	O	|	|	|	0.75
28.333	0.00	0.27	0.247	O	|	|	|	0.75
28.417	0.00	0.27	0.245	O	|	|	|	0.74
28.500	0.00	0.27	0.243	O	|	|	|	0.74
28.583	0.00	0.26	0.241	O	|	|	|	0.73
28.667	0.00	0.26	0.239	O	|	|	|	0.73
28.750	0.00	0.26	0.238	O	|	|	|	0.72
28.833	0.00	0.26	0.236	O	|	|	|	0.71
28.917	0.00	0.26	0.234	O	|	|	|	0.71
29.000	0.00	0.25	0.232	O	|	|	|	0.70
29.083	0.00	0.25	0.231	O	|	|	|	0.70
29.167	0.00	0.25	0.229	O	|	|	|	0.69
29.250	0.00	0.25	0.227	O	|	|	|	0.69
29.333	0.00	0.25	0.225	O	|	|	|	0.68
29.417	0.00	0.24	0.224	O	|	|	|	0.68
29.500	0.00	0.24	0.222	O	|	|	|	0.67
29.583	0.00	0.24	0.220	O	|	|	|	0.67
29.667	0.00	0.24	0.219	O	|	|	|	0.66
29.750	0.00	0.24	0.217	O	|	|	|	0.66
29.833	0.00	0.24	0.215	O	|	|	|	0.65
29.917	0.00	0.23	0.214	O	|	|	|	0.65
30.000	0.00	0.23	0.212	O	|	|	|	0.64
30.083	0.00	0.23	0.211	O	|	|	|	0.64
30.167	0.00	0.23	0.209	O	|	|	|	0.63
30.250	0.00	0.23	0.208	O	|	|	|	0.63
30.333	0.00	0.22	0.206	O	|	|	|	0.62
30.417	0.00	0.22	0.204	O	|	|	|	0.62
30.500	0.00	0.22	0.203	O	|	|	|	0.61
30.583	0.00	0.22	0.201	O	|	|	|	0.61
30.667	0.00	0.22	0.200	O	|	|	|	0.61
30.750	0.00	0.22	0.198	O	|	|	|	0.60
30.833	0.00	0.21	0.197	O	|	|	|	0.60
30.917	0.00	0.21	0.195	O	|	|	|	0.59
31.000	0.00	0.21	0.194	O	|	|	|	0.59
31.083	0.00	0.21	0.192	O	|	|	|	0.58
31.167	0.00	0.21	0.191	O	|	|	|	0.58
31.250	0.00	0.21	0.190	O	|	|	|	0.57
31.333	0.00	0.21	0.188	O	|	|	|	0.57
31.417	0.00	0.20	0.187	O	|	|	|	0.57
31.500	0.00	0.20	0.185	O	|	|	|	0.56
31.583	0.00	0.20	0.184	O	|	|	|	0.56
31.667	0.00	0.20	0.183	O	|	|	|	0.55
31.750	0.00	0.20	0.181	O	|	|	|	0.55
31.833	0.00	0.20	0.180	O	|	|	|	0.55
31.917	0.00	0.19	0.179	O	|	|	|	0.54
32.000	0.00	0.19	0.177	O	|	|	|	0.54
32.083	0.00	0.19	0.176	O	|	|	|	0.53
32.167	0.00	0.19	0.175	O	|	|	|	0.53
32.250	0.00	0.19	0.173	O	|	|	|	0.53
32.333	0.00	0.19	0.172	O	|	|	|	0.52
32.417	0.00	0.19	0.171	O	|	|	|	0.52
32.500	0.00	0.18	0.169	O	|	|	|	0.51
32.583	0.00	0.18	0.168	O	|	|	|	0.51
32.667	0.00	0.18	0.167	O	|	|	|	0.51
32.750	0.00	0.18	0.166	O	|	|	|	0.50
32.833	0.00	0.18	0.164	O	|	|	|	0.50
32.917	0.00	0.18	0.163	O	|	|	|	0.49
33.000	0.00	0.18	0.162	O	|	|	|	0.49
33.083	0.00	0.18	0.161	O	|	|	|	0.49
33.167	0.00	0.17	0.160	O	|	|	|	0.48
33.250	0.00	0.17	0.158	O	|	|	|	0.48
33.333	0.00	0.17	0.157	O	|	|	|	0.48
33.417	0.00	0.17	0.156	O	|	|	|	0.47
33.500	0.00	0.17	0.155	O	|	|	|	0.47
33.583	0.00	0.17	0.154	O	|	|	|	0.47

33.667	0.00	0.17	0.152	O	|	|	|	0.46
33.750	0.00	0.17	0.151	O	|	|	|	0.46
33.833	0.00	0.16	0.150	O	|	|	|	0.46
33.917	0.00	0.16	0.149	O	|	|	|	0.45
34.000	0.00	0.16	0.148	O	|	|	|	0.45
34.083	0.00	0.16	0.147	O	|	|	|	0.45
34.167	0.00	0.16	0.146	O	|	|	|	0.44
34.250	0.00	0.16	0.145	O	|	|	|	0.44
34.333	0.00	0.16	0.144	O	|	|	|	0.44
34.417	0.00	0.16	0.143	O	|	|	|	0.43
34.500	0.00	0.15	0.141	O	|	|	|	0.43
34.583	0.00	0.15	0.140	O	|	|	|	0.43
34.667	0.00	0.15	0.139	O	|	|	|	0.42
34.750	0.00	0.15	0.138	O	|	|	|	0.42
34.833	0.00	0.15	0.137	O	|	|	|	0.42
34.917	0.00	0.15	0.136	O	|	|	|	0.41
35.000	0.00	0.15	0.135	O	|	|	|	0.41
35.083	0.00	0.15	0.134	O	|	|	|	0.41
35.167	0.00	0.15	0.133	O	|	|	|	0.40
35.250	0.00	0.14	0.132	O	|	|	|	0.40
35.333	0.00	0.14	0.131	O	|	|	|	0.40
35.417	0.00	0.14	0.130	O	|	|	|	0.39
35.500	0.00	0.14	0.129	O	|	|	|	0.39
35.583	0.00	0.14	0.128	O	|	|	|	0.39
35.667	0.00	0.14	0.127	O	|	|	|	0.39
35.750	0.00	0.14	0.126	O	|	|	|	0.38
35.833	0.00	0.14	0.125	O	|	|	|	0.38
35.917	0.00	0.14	0.124	O	|	|	|	0.38
36.000	0.00	0.13	0.124	O	|	|	|	0.37
36.083	0.00	0.13	0.123	O	|	|	|	0.37
36.167	0.00	0.13	0.122	O	|	|	|	0.37
36.250	0.00	0.13	0.121	O	|	|	|	0.37
36.333	0.00	0.13	0.120	O	|	|	|	0.36
36.417	0.00	0.13	0.119	O	|	|	|	0.36
36.500	0.00	0.13	0.118	O	|	|	|	0.36
36.583	0.00	0.13	0.117	O	|	|	|	0.36
36.667	0.00	0.13	0.116	O	|	|	|	0.35
36.750	0.00	0.13	0.115	O	|	|	|	0.35
36.833	0.00	0.13	0.115	O	|	|	|	0.35
36.917	0.00	0.12	0.114	O	|	|	|	0.34
37.000	0.00	0.12	0.113	O	|	|	|	0.34
37.083	0.00	0.12	0.112	O	|	|	|	0.34
37.167	0.00	0.12	0.111	O	|	|	|	0.34
37.250	0.00	0.12	0.110	O	|	|	|	0.33
37.333	0.00	0.12	0.110	O	|	|	|	0.33
37.417	0.00	0.12	0.109	O	|	|	|	0.33
37.500	0.00	0.12	0.108	O	|	|	|	0.33
37.583	0.00	0.12	0.107	O	|	|	|	0.32
37.667	0.00	0.12	0.106	O	|	|	|	0.32
37.750	0.00	0.12	0.106	O	|	|	|	0.32
37.833	0.00	0.11	0.105	O	|	|	|	0.32
37.917	0.00	0.11	0.104	O	|	|	|	0.32
38.000	0.00	0.11	0.103	O	|	|	|	0.31
38.083	0.00	0.11	0.102	O	|	|	|	0.31
38.167	0.00	0.11	0.102	O	|	|	|	0.31
38.250	0.00	0.11	0.101	O	|	|	|	0.31
38.333	0.00	0.11	0.100	O	|	|	|	0.30
38.417	0.00	0.11	0.099	O	|	|	|	0.30
38.500	0.00	0.11	0.099	O	|	|	|	0.30
38.583	0.00	0.11	0.098	O	|	|	|	0.30
38.667	0.00	0.11	0.097	O	|	|	|	0.29
38.750	0.00	0.11	0.096	O	|	|	|	0.29
38.833	0.00	0.10	0.096	O	|	|	|	0.29
38.917	0.00	0.10	0.095	O	|	|	|	0.29
39.000	0.00	0.10	0.094	O	|	|	|	0.29
39.083	0.00	0.10	0.094	O	|	|	|	0.28
39.167	0.00	0.10	0.093	O	|	|	|	0.28

39.250	0.00	0.10	0.092	O	|	|	|	0.28
39.333	0.00	0.10	0.091	O	|	|	|	0.28
39.417	0.00	0.10	0.091	O	|	|	|	0.28
39.500	0.00	0.10	0.090	O	|	|	|	0.27
39.583	0.00	0.10	0.089	O	|	|	|	0.27
39.667	0.00	0.10	0.089	O	|	|	|	0.27
39.750	0.00	0.10	0.088	O	|	|	|	0.27
39.833	0.00	0.10	0.087	O	|	|	|	0.27
39.917	0.00	0.09	0.087	O	|	|	|	0.26
40.000	0.00	0.09	0.086	O	|	|	|	0.26
40.083	0.00	0.09	0.086	O	|	|	|	0.26
40.167	0.00	0.09	0.085	O	|	|	|	0.26
40.250	0.00	0.09	0.084	O	|	|	|	0.26
40.333	0.00	0.09	0.084	O	|	|	|	0.25
40.417	0.00	0.09	0.083	O	|	|	|	0.25
40.500	0.00	0.09	0.082	O	|	|	|	0.25
40.583	0.00	0.09	0.082	O	|	|	|	0.25
40.667	0.00	0.09	0.081	O	|	|	|	0.25
40.750	0.00	0.09	0.081	O	|	|	|	0.24
40.833	0.00	0.09	0.080	O	|	|	|	0.24
40.917	0.00	0.09	0.079	O	|	|	|	0.24
41.000	0.00	0.09	0.079	O	|	|	|	0.24
41.083	0.00	0.09	0.078	O	|	|	|	0.24
41.167	0.00	0.08	0.078	O	|	|	|	0.24
41.250	0.00	0.08	0.077	O	|	|	|	0.23
41.333	0.00	0.08	0.076	O	|	|	|	0.23
41.417	0.00	0.08	0.076	O	|	|	|	0.23
41.500	0.00	0.08	0.075	O	|	|	|	0.23
41.583	0.00	0.08	0.075	O	|	|	|	0.23
41.667	0.00	0.08	0.074	O	|	|	|	0.22
41.750	0.00	0.08	0.074	O	|	|	|	0.22
41.833	0.00	0.08	0.073	O	|	|	|	0.22
41.917	0.00	0.08	0.072	O	|	|	|	0.22
42.000	0.00	0.08	0.072	O	|	|	|	0.22
42.083	0.00	0.08	0.071	O	|	|	|	0.22
42.167	0.00	0.08	0.071	O	|	|	|	0.21
42.250	0.00	0.08	0.070	O	|	|	|	0.21
42.333	0.00	0.08	0.070	O	|	|	|	0.21
42.417	0.00	0.08	0.069	O	|	|	|	0.21
42.500	0.00	0.08	0.069	O	|	|	|	0.21
42.583	0.00	0.07	0.068	O	|	|	|	0.21
42.667	0.00	0.07	0.068	O	|	|	|	0.21
42.750	0.00	0.07	0.067	O	|	|	|	0.20
42.833	0.00	0.07	0.067	O	|	|	|	0.20
42.917	0.00	0.07	0.066	O	|	|	|	0.20
43.000	0.00	0.07	0.066	O	|	|	|	0.20
43.083	0.00	0.07	0.065	O	|	|	|	0.20
43.167	0.00	0.07	0.065	O	|	|	|	0.20
43.250	0.00	0.07	0.064	O	|	|	|	0.19
43.333	0.00	0.07	0.064	O	|	|	|	0.19
43.417	0.00	0.07	0.063	O	|	|	|	0.19
43.500	0.00	0.07	0.063	O	|	|	|	0.19
43.583	0.00	0.07	0.062	O	|	|	|	0.19
43.667	0.00	0.07	0.062	O	|	|	|	0.19
43.750	0.00	0.07	0.061	O	|	|	|	0.19
43.833	0.00	0.07	0.061	O	|	|	|	0.18
43.917	0.00	0.07	0.061	O	|	|	|	0.18
44.000	0.00	0.07	0.060	O	|	|	|	0.18
44.083	0.00	0.07	0.060	O	|	|	|	0.18
44.167	0.00	0.06	0.059	O	|	|	|	0.18
44.250	0.00	0.06	0.059	O	|	|	|	0.18
44.333	0.00	0.06	0.058	O	|	|	|	0.18
44.417	0.00	0.06	0.058	O	|	|	|	0.18
44.500	0.00	0.06	0.057	O	|	|	|	0.17
44.583	0.00	0.06	0.057	O	|	|	|	0.17
44.667	0.00	0.06	0.057	O	|	|	|	0.17
44.750	0.00	0.06	0.056	O	|	|	|	0.17

44.833	0.00	0.06	0.056	O	|	|	|	|	0.17
44.917	0.00	0.06	0.055	O	|	|	|	|	0.17
45.000	0.00	0.06	0.055	O	|	|	|	|	0.17
45.083	0.00	0.06	0.054	O	|	|	|	|	0.17
45.167	0.00	0.06	0.054	O	|	|	|	|	0.16
45.250	0.00	0.06	0.054	O	|	|	|	|	0.16
45.333	0.00	0.06	0.053	O	|	|	|	|	0.16
45.417	0.00	0.06	0.053	O	|	|	|	|	0.16
45.500	0.00	0.06	0.052	O	|	|	|	|	0.16
45.583	0.00	0.06	0.052	O	|	|	|	|	0.16
45.667	0.00	0.06	0.052	O	|	|	|	|	0.16
45.750	0.00	0.06	0.051	O	|	|	|	|	0.16
45.833	0.00	0.06	0.051	O	|	|	|	|	0.15
45.917	0.00	0.06	0.051	O	|	|	|	|	0.15
46.000	0.00	0.05	0.050	O	|	|	|	|	0.15
46.083	0.00	0.05	0.050	O	|	|	|	|	0.15
46.167	0.00	0.05	0.049	O	|	|	|	|	0.15
46.250	0.00	0.05	0.049	O	|	|	|	|	0.15
46.333	0.00	0.05	0.049	O	|	|	|	|	0.15
46.417	0.00	0.05	0.048	O	|	|	|	|	0.15
46.500	0.00	0.05	0.048	O	|	|	|	|	0.15
46.583	0.00	0.05	0.048	O	|	|	|	|	0.14
46.667	0.00	0.05	0.047	O	|	|	|	|	0.14
46.750	0.00	0.05	0.047	O	|	|	|	|	0.14
46.833	0.00	0.05	0.047	O	|	|	|	|	0.14
46.917	0.00	0.05	0.046	O	|	|	|	|	0.14
47.000	0.00	0.05	0.046	O	|	|	|	|	0.14
47.083	0.00	0.05	0.045	O	|	|	|	|	0.14
47.167	0.00	0.05	0.045	O	|	|	|	|	0.14
47.250	0.00	0.05	0.045	O	|	|	|	|	0.14
47.333	0.00	0.05	0.044	O	|	|	|	|	0.13
47.417	0.00	0.05	0.044	O	|	|	|	|	0.13
47.500	0.00	0.05	0.044	O	|	|	|	|	0.13
47.583	0.00	0.05	0.043	O	|	|	|	|	0.13
47.667	0.00	0.05	0.043	O	|	|	|	|	0.13
47.750	0.00	0.05	0.043	O	|	|	|	|	0.13
47.833	0.00	0.05	0.043	O	|	|	|	|	0.13
47.917	0.00	0.05	0.042	O	|	|	|	|	0.13
48.000	0.00	0.05	0.042	O	|	|	|	|	0.13
48.083	0.00	0.05	0.042	O	|	|	|	|	0.13
48.167	0.00	0.05	0.041	O	|	|	|	|	0.13
48.250	0.00	0.04	0.041	O	|	|	|	|	0.12
48.333	0.00	0.04	0.041	O	|	|	|	|	0.12
48.417	0.00	0.04	0.040	O	|	|	|	|	0.12
48.500	0.00	0.04	0.040	O	|	|	|	|	0.12
48.583	0.00	0.04	0.040	O	|	|	|	|	0.12
48.667	0.00	0.04	0.039	O	|	|	|	|	0.12
48.750	0.00	0.04	0.039	O	|	|	|	|	0.12
48.833	0.00	0.04	0.039	O	|	|	|	|	0.12
48.917	0.00	0.04	0.039	O	|	|	|	|	0.12
49.000	0.00	0.04	0.038	O	|	|	|	|	0.12
49.083	0.00	0.04	0.038	O	|	|	|	|	0.12
49.167	0.00	0.04	0.038	O	|	|	|	|	0.11
49.250	0.00	0.04	0.037	O	|	|	|	|	0.11
49.333	0.00	0.04	0.037	O	|	|	|	|	0.11
49.417	0.00	0.04	0.037	O	|	|	|	|	0.11
49.500	0.00	0.04	0.037	O	|	|	|	|	0.11
49.583	0.00	0.04	0.036	O	|	|	|	|	0.11
49.667	0.00	0.04	0.036	O	|	|	|	|	0.11
49.750	0.00	0.04	0.036	O	|	|	|	|	0.11
49.833	0.00	0.04	0.036	O	|	|	|	|	0.11
49.917	0.00	0.04	0.035	O	|	|	|	|	0.11
50.000	0.00	0.04	0.035	O	|	|	|	|	0.11
50.083	0.00	0.04	0.035	O	|	|	|	|	0.11
50.167	0.00	0.04	0.034	O	|	|	|	|	0.10
50.250	0.00	0.04	0.034	O	|	|	|	|	0.10
50.333	0.00	0.04	0.034	O	|	|	|	|	0.10

50.417	0.00	0.04	0.034	O	|	|	|	|	0.10
50.500	0.00	0.04	0.033	O	|	|	|	|	0.10
50.583	0.00	0.04	0.033	O	|	|	|	|	0.10
50.667	0.00	0.04	0.033	O	|	|	|	|	0.10
50.750	0.00	0.04	0.033	O	|	|	|	|	0.10
50.833	0.00	0.04	0.032	O	|	|	|	|	0.10
50.917	0.00	0.04	0.032	O	|	|	|	|	0.10
51.000	0.00	0.03	0.032	O	|	|	|	|	0.10
51.083	0.00	0.03	0.032	O	|	|	|	|	0.10
51.167	0.00	0.03	0.031	O	|	|	|	|	0.10
51.250	0.00	0.03	0.031	O	|	|	|	|	0.09
51.333	0.00	0.03	0.031	O	|	|	|	|	0.09
51.417	0.00	0.03	0.031	O	|	|	|	|	0.09
51.500	0.00	0.03	0.031	O	|	|	|	|	0.09
51.583	0.00	0.03	0.030	O	|	|	|	|	0.09
51.667	0.00	0.03	0.030	O	|	|	|	|	0.09
51.750	0.00	0.03	0.030	O	|	|	|	|	0.09
51.833	0.00	0.03	0.030	O	|	|	|	|	0.09
51.917	0.00	0.03	0.029	O	|	|	|	|	0.09
52.000	0.00	0.03	0.029	O	|	|	|	|	0.09
52.083	0.00	0.03	0.029	O	|	|	|	|	0.09
52.167	0.00	0.03	0.029	O	|	|	|	|	0.09
52.250	0.00	0.03	0.029	O	|	|	|	|	0.09
52.333	0.00	0.03	0.028	O	|	|	|	|	0.09
52.417	0.00	0.03	0.028	O	|	|	|	|	0.09
52.500	0.00	0.03	0.028	O	|	|	|	|	0.08
52.583	0.00	0.03	0.028	O	|	|	|	|	0.08
52.667	0.00	0.03	0.027	O	|	|	|	|	0.08
52.750	0.00	0.03	0.027	O	|	|	|	|	0.08
52.833	0.00	0.03	0.027	O	|	|	|	|	0.08
52.917	0.00	0.03	0.027	O	|	|	|	|	0.08
53.000	0.00	0.03	0.027	O	|	|	|	|	0.08
53.083	0.00	0.03	0.026	O	|	|	|	|	0.08
53.167	0.00	0.03	0.026	O	|	|	|	|	0.08
53.250	0.00	0.03	0.026	O	|	|	|	|	0.08
53.333	0.00	0.03	0.026	O	|	|	|	|	0.08
53.417	0.00	0.03	0.026	O	|	|	|	|	0.08
53.500	0.00	0.03	0.026	O	|	|	|	|	0.08
53.583	0.00	0.03	0.025	O	|	|	|	|	0.08
53.667	0.00	0.03	0.025	O	|	|	|	|	0.08
53.750	0.00	0.03	0.025	O	|	|	|	|	0.08
53.833	0.00	0.03	0.025	O	|	|	|	|	0.08
53.917	0.00	0.03	0.025	O	|	|	|	|	0.07
54.000	0.00	0.03	0.024	O	|	|	|	|	0.07
54.083	0.00	0.03	0.024	O	|	|	|	|	0.07
54.167	0.00	0.03	0.024	O	|	|	|	|	0.07
54.250	0.00	0.03	0.024	O	|	|	|	|	0.07
54.333	0.00	0.03	0.024	O	|	|	|	|	0.07
54.417	0.00	0.03	0.023	O	|	|	|	|	0.07
54.500	0.00	0.03	0.023	O	|	|	|	|	0.07
54.583	0.00	0.03	0.023	O	|	|	|	|	0.07
54.667	0.00	0.03	0.023	O	|	|	|	|	0.07
54.750	0.00	0.02	0.023	O	|	|	|	|	0.07
54.833	0.00	0.02	0.023	O	|	|	|	|	0.07
54.917	0.00	0.02	0.022	O	|	|	|	|	0.07
55.000	0.00	0.02	0.022	O	|	|	|	|	0.07
55.083	0.00	0.02	0.022	O	|	|	|	|	0.07
55.167	0.00	0.02	0.022	O	|	|	|	|	0.07
55.250	0.00	0.02	0.022	O	|	|	|	|	0.07
55.333	0.00	0.02	0.022	O	|	|	|	|	0.07
55.417	0.00	0.02	0.021	O	|	|	|	|	0.07
55.500	0.00	0.02	0.021	O	|	|	|	|	0.06
55.583	0.00	0.02	0.021	O	|	|	|	|	0.06
55.667	0.00	0.02	0.021	O	|	|	|	|	0.06
55.750	0.00	0.02	0.021	O	|	|	|	|	0.06
55.833	0.00	0.02	0.021	O	|	|	|	|	0.06
55.917	0.00	0.02	0.021	O	|	|	|	|	0.06

56.000	0.00	0.02	0.020	O	|	|	|	|	0.06
56.083	0.00	0.02	0.020	O	|	|	|	|	0.06
56.167	0.00	0.02	0.020	O	|	|	|	|	0.06
56.250	0.00	0.02	0.020	O	|	|	|	|	0.06
56.333	0.00	0.02	0.020	O	|	|	|	|	0.06
56.417	0.00	0.02	0.020	O	|	|	|	|	0.06
56.500	0.00	0.02	0.019	O	|	|	|	|	0.06
56.583	0.00	0.02	0.019	O	|	|	|	|	0.06
56.667	0.00	0.02	0.019	O	|	|	|	|	0.06
56.750	0.00	0.02	0.019	O	|	|	|	|	0.06
56.833	0.00	0.02	0.019	O	|	|	|	|	0.06
56.917	0.00	0.02	0.019	O	|	|	|	|	0.06
57.000	0.00	0.02	0.019	O	|	|	|	|	0.06
57.083	0.00	0.02	0.018	O	|	|	|	|	0.06
57.167	0.00	0.02	0.018	O	|	|	|	|	0.06
57.250	0.00	0.02	0.018	O	|	|	|	|	0.06
57.333	0.00	0.02	0.018	O	|	|	|	|	0.05
57.417	0.00	0.02	0.018	O	|	|	|	|	0.05
57.500	0.00	0.02	0.018	O	|	|	|	|	0.05
57.583	0.00	0.02	0.018	O	|	|	|	|	0.05
57.667	0.00	0.02	0.018	O	|	|	|	|	0.05
57.750	0.00	0.02	0.017	O	|	|	|	|	0.05
57.833	0.00	0.02	0.017	O	|	|	|	|	0.05
57.917	0.00	0.02	0.017	O	|	|	|	|	0.05
58.000	0.00	0.02	0.017	O	|	|	|	|	0.05
58.083	0.00	0.02	0.017	O	|	|	|	|	0.05
58.167	0.00	0.02	0.017	O	|	|	|	|	0.05
58.250	0.00	0.02	0.017	O	|	|	|	|	0.05
58.333	0.00	0.02	0.016	O	|	|	|	|	0.05
58.417	0.00	0.02	0.016	O	|	|	|	|	0.05
58.500	0.00	0.02	0.016	O	|	|	|	|	0.05
58.583	0.00	0.02	0.016	O	|	|	|	|	0.05
58.667	0.00	0.02	0.016	O	|	|	|	|	0.05
58.750	0.00	0.02	0.016	O	|	|	|	|	0.05
58.833	0.00	0.02	0.016	O	|	|	|	|	0.05
58.917	0.00	0.02	0.016	O	|	|	|	|	0.05
59.000	0.00	0.02	0.016	O	|	|	|	|	0.05
59.083	0.00	0.02	0.015	O	|	|	|	|	0.05
59.167	0.00	0.02	0.015	O	|	|	|	|	0.05
59.250	0.00	0.02	0.015	O	|	|	|	|	0.05
59.333	0.00	0.02	0.015	O	|	|	|	|	0.05
59.417	0.00	0.02	0.015	O	|	|	|	|	0.05
59.500	0.00	0.02	0.015	O	|	|	|	|	0.05
59.583	0.00	0.02	0.015	O	|	|	|	|	0.04
59.667	0.00	0.02	0.015	O	|	|	|	|	0.04
59.750	0.00	0.02	0.015	O	|	|	|	|	0.04
59.833	0.00	0.02	0.014	O	|	|	|	|	0.04
59.917	0.00	0.02	0.014	O	|	|	|	|	0.04
60.000	0.00	0.02	0.014	O	|	|	|	|	0.04
60.083	0.00	0.02	0.014	O	|	|	|	|	0.04
60.167	0.00	0.02	0.014	O	|	|	|	|	0.04
60.250	0.00	0.02	0.014	O	|	|	|	|	0.04
60.333	0.00	0.02	0.014	O	|	|	|	|	0.04
60.417	0.00	0.01	0.014	O	|	|	|	|	0.04
60.500	0.00	0.01	0.014	O	|	|	|	|	0.04
60.583	0.00	0.01	0.013	O	|	|	|	|	0.04
60.667	0.00	0.01	0.013	O	|	|	|	|	0.04
60.750	0.00	0.01	0.013	O	|	|	|	|	0.04
60.833	0.00	0.01	0.013	O	|	|	|	|	0.04
60.917	0.00	0.01	0.013	O	|	|	|	|	0.04
61.000	0.00	0.01	0.013	O	|	|	|	|	0.04
61.083	0.00	0.01	0.013	O	|	|	|	|	0.04
61.167	0.00	0.01	0.013	O	|	|	|	|	0.04
61.250	0.00	0.01	0.013	O	|	|	|	|	0.04
61.333	0.00	0.01	0.013	O	|	|	|	|	0.04
61.417	0.00	0.01	0.012	O	|	|	|	|	0.04
61.500	0.00	0.01	0.012	O	|	|	|	|	0.04

61.583	0.00	0.01	0.012	O	|	|	|	0.04
61.667	0.00	0.01	0.012	O	|	|	|	0.04
61.750	0.00	0.01	0.012	O	|	|	|	0.04
61.833	0.00	0.01	0.012	O	|	|	|	0.04
61.917	0.00	0.01	0.012	O	|	|	|	0.04
62.000	0.00	0.01	0.012	O	|	|	|	0.04
62.083	0.00	0.01	0.012	O	|	|	|	0.04
62.167	0.00	0.01	0.012	O	|	|	|	0.04
62.250	0.00	0.01	0.012	O	|	|	|	0.04
62.333	0.00	0.01	0.012	O	|	|	|	0.03
62.417	0.00	0.01	0.011	O	|	|	|	0.03
62.500	0.00	0.01	0.011	O	|	|	|	0.03
62.583	0.00	0.01	0.011	O	|	|	|	0.03
62.667	0.00	0.01	0.011	O	|	|	|	0.03
62.750	0.00	0.01	0.011	O	|	|	|	0.03
62.833	0.00	0.01	0.011	O	|	|	|	0.03
62.917	0.00	0.01	0.011	O	|	|	|	0.03
63.000	0.00	0.01	0.011	O	|	|	|	0.03
63.083	0.00	0.01	0.011	O	|	|	|	0.03
63.167	0.00	0.01	0.011	O	|	|	|	0.03
63.250	0.00	0.01	0.011	O	|	|	|	0.03
63.333	0.00	0.01	0.011	O	|	|	|	0.03
63.417	0.00	0.01	0.010	O	|	|	|	0.03
63.500	0.00	0.01	0.010	O	|	|	|	0.03
63.583	0.00	0.01	0.010	O	|	|	|	0.03
63.667	0.00	0.01	0.010	O	|	|	|	0.03
63.750	0.00	0.01	0.010	O	|	|	|	0.03
63.833	0.00	0.01	0.010	O	|	|	|	0.03
63.917	0.00	0.01	0.010	O	|	|	|	0.03
64.000	0.00	0.01	0.010	O	|	|	|	0.03
64.083	0.00	0.01	0.010	O	|	|	|	0.03
64.167	0.00	0.01	0.010	O	|	|	|	0.03
64.250	0.00	0.01	0.010	O	|	|	|	0.03
64.333	0.00	0.01	0.010	O	|	|	|	0.03
64.417	0.00	0.01	0.010	O	|	|	|	0.03
64.500	0.00	0.01	0.009	O	|	|	|	0.03
64.583	0.00	0.01	0.009	O	|	|	|	0.03
64.667	0.00	0.01	0.009	O	|	|	|	0.03
64.750	0.00	0.01	0.009	O	|	|	|	0.03
64.833	0.00	0.01	0.009	O	|	|	|	0.03
64.917	0.00	0.01	0.009	O	|	|	|	0.03
65.000	0.00	0.01	0.009	O	|	|	|	0.03
65.083	0.00	0.01	0.009	O	|	|	|	0.03
65.167	0.00	0.01	0.009	O	|	|	|	0.03
65.250	0.00	0.01	0.009	O	|	|	|	0.03
65.333	0.00	0.01	0.009	O	|	|	|	0.03
65.417	0.00	0.01	0.009	O	|	|	|	0.03
65.500	0.00	0.01	0.009	O	|	|	|	0.03
65.583	0.00	0.01	0.009	O	|	|	|	0.03
65.667	0.00	0.01	0.009	O	|	|	|	0.03
65.750	0.00	0.01	0.008	O	|	|	|	0.03
65.833	0.00	0.01	0.008	O	|	|	|	0.03
65.917	0.00	0.01	0.008	O	|	|	|	0.03
66.000	0.00	0.01	0.008	O	|	|	|	0.03
66.083	0.00	0.01	0.008	O	|	|	|	0.02
66.167	0.00	0.01	0.008	O	|	|	|	0.02
66.250	0.00	0.01	0.008	O	|	|	|	0.02
66.333	0.00	0.01	0.008	O	|	|	|	0.02
66.417	0.00	0.01	0.008	O	|	|	|	0.02
66.500	0.00	0.01	0.008	O	|	|	|	0.02
66.583	0.00	0.01	0.008	O	|	|	|	0.02
66.667	0.00	0.01	0.008	O	|	|	|	0.02
66.750	0.00	0.01	0.008	O	|	|	|	0.02
66.833	0.00	0.01	0.008	O	|	|	|	0.02
66.917	0.00	0.01	0.008	O	|	|	|	0.02
67.000	0.00	0.01	0.008	O	|	|	|	0.02
67.083	0.00	0.01	0.007	O	|	|	|	0.02

67.167	0.00	0.01	0.007	O	|	|	|	|	0.02
67.250	0.00	0.01	0.007	O	|	|	|	|	0.02
67.333	0.00	0.01	0.007	O	|	|	|	|	0.02
67.417	0.00	0.01	0.007	O	|	|	|	|	0.02
67.500	0.00	0.01	0.007	O	|	|	|	|	0.02
67.583	0.00	0.01	0.007	O	|	|	|	|	0.02
67.667	0.00	0.01	0.007	O	|	|	|	|	0.02
67.750	0.00	0.01	0.007	O	|	|	|	|	0.02
67.833	0.00	0.01	0.007	O	|	|	|	|	0.02
67.917	0.00	0.01	0.007	O	|	|	|	|	0.02
68.000	0.00	0.01	0.007	O	|	|	|	|	0.02
68.083	0.00	0.01	0.007	O	|	|	|	|	0.02
68.167	0.00	0.01	0.007	O	|	|	|	|	0.02
68.250	0.00	0.01	0.007	O	|	|	|	|	0.02
68.333	0.00	0.01	0.007	O	|	|	|	|	0.02
68.417	0.00	0.01	0.007	O	|	|	|	|	0.02
68.500	0.00	0.01	0.007	O	|	|	|	|	0.02
68.583	0.00	0.01	0.007	O	|	|	|	|	0.02
68.667	0.00	0.01	0.006	O	|	|	|	|	0.02
68.750	0.00	0.01	0.006	O	|	|	|	|	0.02
68.833	0.00	0.01	0.006	O	|	|	|	|	0.02
68.917	0.00	0.01	0.006	O	|	|	|	|	0.02
69.000	0.00	0.01	0.006	O	|	|	|	|	0.02
69.083	0.00	0.01	0.006	O	|	|	|	|	0.02
69.167	0.00	0.01	0.006	O	|	|	|	|	0.02
69.250	0.00	0.01	0.006	O	|	|	|	|	0.02
69.333	0.00	0.01	0.006	O	|	|	|	|	0.02
69.417	0.00	0.01	0.006	O	|	|	|	|	0.02
69.500	0.00	0.01	0.006	O	|	|	|	|	0.02
69.583	0.00	0.01	0.006	O	|	|	|	|	0.02
69.667	0.00	0.01	0.006	O	|	|	|	|	0.02
69.750	0.00	0.01	0.006	O	|	|	|	|	0.02
69.833	0.00	0.01	0.006	O	|	|	|	|	0.02
69.917	0.00	0.01	0.006	O	|	|	|	|	0.02
70.000	0.00	0.01	0.006	O	|	|	|	|	0.02
70.083	0.00	0.01	0.006	O	|	|	|	|	0.02
70.167	0.00	0.01	0.006	O	|	|	|	|	0.02
70.250	0.00	0.01	0.006	O	|	|	|	|	0.02
70.333	0.00	0.01	0.006	O	|	|	|	|	0.02
70.417	0.00	0.01	0.006	O	|	|	|	|	0.02
70.500	0.00	0.01	0.006	O	|	|	|	|	0.02
70.583	0.00	0.01	0.005	O	|	|	|	|	0.02
70.667	0.00	0.01	0.005	O	|	|	|	|	0.02
70.750	0.00	0.01	0.005	O	|	|	|	|	0.02
70.833	0.00	0.01	0.005	O	|	|	|	|	0.02
70.917	0.00	0.01	0.005	O	|	|	|	|	0.02
71.000	0.00	0.01	0.005	O	|	|	|	|	0.02
71.083	0.00	0.01	0.005	O	|	|	|	|	0.02
71.167	0.00	0.01	0.005	O	|	|	|	|	0.02
71.250	0.00	0.01	0.005	O	|	|	|	|	0.02
71.333	0.00	0.01	0.005	O	|	|	|	|	0.02
71.417	0.00	0.01	0.005	O	|	|	|	|	0.02
71.500	0.00	0.01	0.005	O	|	|	|	|	0.02
71.583	0.00	0.01	0.005	O	|	|	|	|	0.02
71.667	0.00	0.01	0.005	O	|	|	|	|	0.02
71.750	0.00	0.01	0.005	O	|	|	|	|	0.01
71.833	0.00	0.01	0.005	O	|	|	|	|	0.01
71.917	0.00	0.01	0.005	O	|	|	|	|	0.01
72.000	0.00	0.01	0.005	O	|	|	|	|	0.01
72.083	0.00	0.01	0.005	O	|	|	|	|	0.01
72.167	0.00	0.01	0.005	O	|	|	|	|	0.01
72.250	0.00	0.01	0.005	O	|	|	|	|	0.01
72.333	0.00	0.01	0.005	O	|	|	|	|	0.01
72.417	0.00	0.01	0.005	O	|	|	|	|	0.01
72.500	0.00	0.01	0.005	O	|	|	|	|	0.01
72.583	0.00	0.00	0.005	O	|	|	|	|	0.01
72.667	0.00	0.00	0.005	O	|	|	|	|	0.01

72.750	0.00	0.00	0.004	O	|	|	|	0.01
72.833	0.00	0.00	0.004	O	|	|	|	0.01
72.917	0.00	0.00	0.004	O	|	|	|	0.01
73.000	0.00	0.00	0.004	O	|	|	|	0.01
73.083	0.00	0.00	0.004	O	|	|	|	0.01
73.167	0.00	0.00	0.004	O	|	|	|	0.01
73.250	0.00	0.00	0.004	O	|	|	|	0.01
73.333	0.00	0.00	0.004	O	|	|	|	0.01
73.417	0.00	0.00	0.004	O	|	|	|	0.01
73.500	0.00	0.00	0.004	O	|	|	|	0.01
73.583	0.00	0.00	0.004	O	|	|	|	0.01
73.667	0.00	0.00	0.004	O	|	|	|	0.01
73.750	0.00	0.00	0.004	O	|	|	|	0.01
73.833	0.00	0.00	0.004	O	|	|	|	0.01
73.917	0.00	0.00	0.004	O	|	|	|	0.01
74.000	0.00	0.00	0.004	O	|	|	|	0.01
74.083	0.00	0.00	0.004	O	|	|	|	0.01
74.167	0.00	0.00	0.004	O	|	|	|	0.01
74.250	0.00	0.00	0.004	O	|	|	|	0.01
74.333	0.00	0.00	0.004	O	|	|	|	0.01
74.417	0.00	0.00	0.004	O	|	|	|	0.01
74.500	0.00	0.00	0.004	O	|	|	|	0.01
74.583	0.00	0.00	0.004	O	|	|	|	0.01
74.667	0.00	0.00	0.004	O	|	|	|	0.01
74.750	0.00	0.00	0.004	O	|	|	|	0.01
74.833	0.00	0.00	0.004	O	|	|	|	0.01
74.917	0.00	0.00	0.004	O	|	|	|	0.01
75.000	0.00	0.00	0.004	O	|	|	|	0.01
75.083	0.00	0.00	0.004	O	|	|	|	0.01
75.167	0.00	0.00	0.004	O	|	|	|	0.01
75.250	0.00	0.00	0.004	O	|	|	|	0.01
75.333	0.00	0.00	0.004	O	|	|	|	0.01
75.417	0.00	0.00	0.004	O	|	|	|	0.01
75.500	0.00	0.00	0.004	O	|	|	|	0.01
75.583	0.00	0.00	0.003	O	|	|	|	0.01
75.667	0.00	0.00	0.003	O	|	|	|	0.01
75.750	0.00	0.00	0.003	O	|	|	|	0.01
75.833	0.00	0.00	0.003	O	|	|	|	0.01
75.917	0.00	0.00	0.003	O	|	|	|	0.01
76.000	0.00	0.00	0.003	O	|	|	|	0.01
76.083	0.00	0.00	0.003	O	|	|	|	0.01
76.167	0.00	0.00	0.003	O	|	|	|	0.01
76.250	0.00	0.00	0.003	O	|	|	|	0.01
76.333	0.00	0.00	0.003	O	|	|	|	0.01
76.417	0.00	0.00	0.003	O	|	|	|	0.01
76.500	0.00	0.00	0.003	O	|	|	|	0.01
76.583	0.00	0.00	0.003	O	|	|	|	0.01
76.667	0.00	0.00	0.003	O	|	|	|	0.01
76.750	0.00	0.00	0.003	O	|	|	|	0.01
76.833	0.00	0.00	0.003	O	|	|	|	0.01
76.917	0.00	0.00	0.003	O	|	|	|	0.01
77.000	0.00	0.00	0.003	O	|	|	|	0.01
77.083	0.00	0.00	0.003	O	|	|	|	0.01
77.167	0.00	0.00	0.003	O	|	|	|	0.01
77.250	0.00	0.00	0.003	O	|	|	|	0.01
77.333	0.00	0.00	0.003	O	|	|	|	0.01
77.417	0.00	0.00	0.003	O	|	|	|	0.01
77.500	0.00	0.00	0.003	O	|	|	|	0.01
77.583	0.00	0.00	0.003	O	|	|	|	0.01
77.667	0.00	0.00	0.003	O	|	|	|	0.01
77.750	0.00	0.00	0.003	O	|	|	|	0.01
77.833	0.00	0.00	0.003	O	|	|	|	0.01
77.917	0.00	0.00	0.003	O	|	|	|	0.01
78.000	0.00	0.00	0.003	O	|	|	|	0.01
78.083	0.00	0.00	0.003	O	|	|	|	0.01
78.167	0.00	0.00	0.003	O	|	|	|	0.01
78.250	0.00	0.00	0.003	O	|	|	|	0.01

78.333	0.00	0.00	0.003	O	|	|	|	0.01
78.417	0.00	0.00	0.003	O	|	|	|	0.01
78.500	0.00	0.00	0.003	O	|	|	|	0.01
78.583	0.00	0.00	0.003	O	|	|	|	0.01
78.667	0.00	0.00	0.003	O	|	|	|	0.01
78.750	0.00	0.00	0.003	O	|	|	|	0.01
78.833	0.00	0.00	0.003	O	|	|	|	0.01
78.917	0.00	0.00	0.003	O	|	|	|	0.01
79.000	0.00	0.00	0.003	O	|	|	|	0.01
79.083	0.00	0.00	0.003	O	|	|	|	0.01
79.167	0.00	0.00	0.003	O	|	|	|	0.01
79.250	0.00	0.00	0.003	O	|	|	|	0.01
79.333	0.00	0.00	0.002	O	|	|	|	0.01
79.417	0.00	0.00	0.002	O	|	|	|	0.01
79.500	0.00	0.00	0.002	O	|	|	|	0.01
79.583	0.00	0.00	0.002	O	|	|	|	0.01
79.667	0.00	0.00	0.002	O	|	|	|	0.01
79.750	0.00	0.00	0.002	O	|	|	|	0.01
79.833	0.00	0.00	0.002	O	|	|	|	0.01
79.917	0.00	0.00	0.002	O	|	|	|	0.01
80.000	0.00	0.00	0.002	O	|	|	|	0.01
80.083	0.00	0.00	0.002	O	|	|	|	0.01
80.167	0.00	0.00	0.002	O	|	|	|	0.01
80.250	0.00	0.00	0.002	O	|	|	|	0.01
80.333	0.00	0.00	0.002	O	|	|	|	0.01
80.417	0.00	0.00	0.002	O	|	|	|	0.01
80.500	0.00	0.00	0.002	O	|	|	|	0.01
80.583	0.00	0.00	0.002	O	|	|	|	0.01
80.667	0.00	0.00	0.002	O	|	|	|	0.01
80.750	0.00	0.00	0.002	O	|	|	|	0.01
80.833	0.00	0.00	0.002	O	|	|	|	0.01
80.917	0.00	0.00	0.002	O	|	|	|	0.01
81.000	0.00	0.00	0.002	O	|	|	|	0.01
81.083	0.00	0.00	0.002	O	|	|	|	0.01
81.167	0.00	0.00	0.002	O	|	|	|	0.01
81.250	0.00	0.00	0.002	O	|	|	|	0.01
81.333	0.00	0.00	0.002	O	|	|	|	0.01
81.417	0.00	0.00	0.002	O	|	|	|	0.01
81.500	0.00	0.00	0.002	O	|	|	|	0.01
81.583	0.00	0.00	0.002	O	|	|	|	0.01
81.667	0.00	0.00	0.002	O	|	|	|	0.01
81.750	0.00	0.00	0.002	O	|	|	|	0.01
81.833	0.00	0.00	0.002	O	|	|	|	0.01
81.917	0.00	0.00	0.002	O	|	|	|	0.01
82.000	0.00	0.00	0.002	O	|	|	|	0.01
82.083	0.00	0.00	0.002	O	|	|	|	0.01
82.167	0.00	0.00	0.002	O	|	|	|	0.01
82.250	0.00	0.00	0.002	O	|	|	|	0.01
82.333	0.00	0.00	0.002	O	|	|	|	0.01
82.417	0.00	0.00	0.002	O	|	|	|	0.01
82.500	0.00	0.00	0.002	O	|	|	|	0.01
82.583	0.00	0.00	0.002	O	|	|	|	0.01
82.667	0.00	0.00	0.002	O	|	|	|	0.01
82.750	0.00	0.00	0.002	O	|	|	|	0.01
82.833	0.00	0.00	0.002	O	|	|	|	0.01
82.917	0.00	0.00	0.002	O	|	|	|	0.01
83.000	0.00	0.00	0.002	O	|	|	|	0.01
83.083	0.00	0.00	0.002	O	|	|	|	0.01
83.167	0.00	0.00	0.002	O	|	|	|	0.01
83.250	0.00	0.00	0.002	O	|	|	|	0.01
83.333	0.00	0.00	0.002	O	|	|	|	0.01
83.417	0.00	0.00	0.002	O	|	|	|	0.01
83.500	0.00	0.00	0.002	O	|	|	|	0.01
83.583	0.00	0.00	0.002	O	|	|	|	0.01
83.667	0.00	0.00	0.002	O	|	|	|	0.01
83.750	0.00	0.00	0.002	O	|	|	|	0.01
83.833	0.00	0.00	0.002	O	|	|	|	0.01

83.917	0.00	0.00	0.002	O				0.00
84.000	0.00	0.00	0.002	O				0.00
84.083	0.00	0.00	0.002	O				0.00
84.167	0.00	0.00	0.002	O				0.00
84.250	0.00	0.00	0.002	O				0.00
84.333	0.00	0.00	0.002	O				0.00
84.417	0.00	0.00	0.002	O				0.00
84.500	0.00	0.00	0.002	O				0.00
84.583	0.00	0.00	0.002	O				0.00
84.667	0.00	0.00	0.002	O				0.00
84.750	0.00	0.00	0.002	O				0.00
84.833	0.00	0.00	0.002	O				0.00
84.917	0.00	0.00	0.002	O				0.00
85.000	0.00	0.00	0.001	O				0.00
85.083	0.00	0.00	0.001	O				0.00
85.167	0.00	0.00	0.001	O				0.00
85.250	0.00	0.00	0.001	O				0.00
85.333	0.00	0.00	0.001	O				0.00
85.417	0.00	0.00	0.001	O				0.00
85.500	0.00	0.00	0.001	O				0.00
85.583	0.00	0.00	0.001	O				0.00
85.667	0.00	0.00	0.001	O				0.00
85.750	0.00	0.00	0.001	O				0.00
85.833	0.00	0.00	0.001	O				0.00
85.917	0.00	0.00	0.001	O				0.00
86.000	0.00	0.00	0.001	O				0.00
86.083	0.00	0.00	0.001	O				0.00
86.167	0.00	0.00	0.001	O				0.00
86.250	0.00	0.00	0.001	O				0.00
86.333	0.00	0.00	0.001	O				0.00
86.417	0.00	0.00	0.001	O				0.00
86.500	0.00	0.00	0.001	O				0.00
86.583	0.00	0.00	0.001	O				0.00
86.667	0.00	0.00	0.001	O				0.00
86.750	0.00	0.00	0.001	O				0.00
86.833	0.00	0.00	0.001	O				0.00
86.917	0.00	0.00	0.001	O				0.00
87.000	0.00	0.00	0.001	O				0.00
87.083	0.00	0.00	0.001	O				0.00
87.167	0.00	0.00	0.001	O				0.00
87.250	0.00	0.00	0.001	O				0.00
87.333	0.00	0.00	0.001	O				0.00
87.417	0.00	0.00	0.001	O				0.00
87.500	0.00	0.00	0.001	O				0.00
87.583	0.00	0.00	0.001	O				0.00
87.667	0.00	0.00	0.001	O				0.00
87.750	0.00	0.00	0.001	O				0.00
87.833	0.00	0.00	0.001	O				0.00
87.917	0.00	0.00	0.001	O				0.00
88.000	0.00	0.00	0.001	O				0.00
88.083	0.00	0.00	0.001	O				0.00
88.167	0.00	0.00	0.001	O				0.00
88.250	0.00	0.00	0.001	O				0.00
88.333	0.00	0.00	0.001	O				0.00
88.417	0.00	0.00	0.001	O				0.00
88.500	0.00	0.00	0.001	O				0.00
88.583	0.00	0.00	0.001	O				0.00
88.667	0.00	0.00	0.001	O				0.00
88.750	0.00	0.00	0.001	O				0.00
88.833	0.00	0.00	0.001	O				0.00
88.917	0.00	0.00	0.001	O				0.00
89.000	0.00	0.00	0.001	O				0.00
89.083	0.00	0.00	0.001	O				0.00
89.167	0.00	0.00	0.001	O				0.00
89.250	0.00	0.00	0.001	O				0.00
89.333	0.00	0.00	0.001	O				0.00
89.417	0.00	0.00	0.001	O				0.00

89.500	0.00	0.00	0.001	O	|	|	|	|	0.00
89.583	0.00	0.00	0.001	O	|	|	|	|	0.00
89.667	0.00	0.00	0.001	O	|	|	|	|	0.00
89.750	0.00	0.00	0.001	O	|	|	|	|	0.00
89.833	0.00	0.00	0.001	O	|	|	|	|	0.00
89.917	0.00	0.00	0.001	O	|	|	|	|	0.00
90.000	0.00	0.00	0.001	O	|	|	|	|	0.00
90.083	0.00	0.00	0.001	O	|	|	|	|	0.00
90.167	0.00	0.00	0.001	O	|	|	|	|	0.00
90.250	0.00	0.00	0.001	O	|	|	|	|	0.00
90.333	0.00	0.00	0.001	O	|	|	|	|	0.00
90.417	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 1085
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.850 (CFS)
Total volume = 1.575 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRF3100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 28.479 (CFS)
Total volume = 2.244 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN F- ROUTING
100YR-3HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.330	0.360	0.329	0.331
2.000	0.720	0.580	0.718	0.722
3.000	1.150	0.750	1.147	1.153
4.000	1.650	0.880	1.647	1.653
5.000	2.200	1.000	2.197	2.203
6.000	2.810	1.910	2.803	2.817
7.000	3.480	2.340	3.472	3.488
8.000	4.230	2.680	4.221	4.239
9.000	5.040	69.580	4.800	5.280

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 7.1 14.24 21.36 28.48	Depth (Ft.)
0.083	2.27	0.01	0.008	O I | | | |	0.02

```
0.167    3.74    0.03      0.028  O   I   |       |       |       |      0.09
0.250    3.63    0.06      0.053  O   I   |       |       |       |      0.16
0.333    4.10    0.09      0.080  O   I   |       |       |       |      0.24
0.417    4.52    0.12      0.108  O    I  |       |       |       |      0.33
0.500    5.11    0.15      0.141  O    I  |       |       |       |      0.43
0.583    4.93    0.19      0.174  O    I  |       |       |       |      0.53
0.667    5.17    0.23      0.207  O    I  |       |       |       |      0.63
0.750    5.45    0.26      0.242  O     I |       |       |       |      0.73
0.833    4.98    0.30      0.276  O    I  |       |       |       |      0.84
0.917    4.82    0.34      0.308  O    I  |       |       |       |      0.93
1.000    5.23    0.37      0.340  O    I  |       |       |       |      1.03
1.083    6.17    0.39      0.377  O     I |       |       |       |      1.12
1.167    6.66    0.41      0.418  O      I|       |       |       |      1.23
1.250    6.73    0.43      0.461  O      I|       |       |       |      1.34
1.333    6.38    0.46      0.503  O      I|       |       |       |      1.44
1.417    7.20    0.48      0.547  O       I       |       |       |      1.56
1.500    8.02    0.51      0.596  O       |I      |       |       |      1.68
1.583    7.72    0.54      0.647  O       I       |       |       |      1.81
1.667    7.92    0.57      0.697  O       I       |       |       |      1.94
1.750    9.41    0.59      0.752  O       | I     |       |       |      2.08
1.833    9.79    0.62      0.814  O       | I     |       |       |      2.22
1.917    9.22    0.64      0.875  O       | I     |       |       |      2.36
2.000    9.09    0.66      0.934  O       | I     |       |       |      2.50
2.083    9.38    0.69      0.993  O       | I     |       |       |      2.63
2.167   12.08    0.72      1.062  O       |    I  |       |       |      2.80
2.250   15.58    0.75      1.152  O       |       |I      |       |      3.00
2.333   13.59    0.78      1.247  O       |      I|       |       |      3.19
2.417   19.15    0.80      1.355  O       |       |    I  |       |      3.41
2.500   24.86    0.84      1.500  O       |       |       |   I   |      3.70
2.583   28.48    0.89      1.678  O       |       |       |       I      4.05
2.667   24.65    0.92      1.855  |O      |       |       |   I   |      4.37
2.750   13.02    0.95      1.978  |O      |     I |       |       |      4.60
2.833    6.66    0.96      2.039  |O     I|       |       |       |      4.71
2.917    5.54    0.97      2.075  |O    I |       |       |       |      4.77
3.000    3.41    0.98      2.099  |O I    |       |       |       |      4.82
3.083    1.01    0.98      2.107  |O      |       |       |       |      4.83
3.167    0.11    0.98      2.104  IO      |       |       |       |      4.83
3.250    0.00    0.98      2.098  IO      |       |       |       |      4.81
3.333    0.00    0.98      2.091  IO      |       |       |       |      4.80
3.417    0.00    0.97      2.085  IO      |       |       |       |      4.79
3.500    0.00    0.97      2.078  IO      |       |       |       |      4.78
3.583    0.00    0.97      2.071  IO      |       |       |       |      4.77
3.667    0.00    0.97      2.064  IO      |       |       |       |      4.75
3.750    0.00    0.97      2.058  IO      |       |       |       |      4.74
3.833    0.00    0.97      2.051  IO      |       |       |       |      4.73
3.917    0.00    0.97      2.044  IO      |       |       |       |      4.72
4.000    0.00    0.96      2.038  IO      |       |       |       |      4.71
4.083    0.00    0.96      2.031  IO      |       |       |       |      4.69
4.167    0.00    0.96      2.025  IO      |       |       |       |      4.68
4.250    0.00    0.96      2.018  IO      |       |       |       |      4.67
4.333    0.00    0.96      2.011  IO      |       |       |       |      4.66
4.417    0.00    0.96      2.005  IO      |       |       |       |      4.65
4.500    0.00    0.96      1.998  IO      |       |       |       |      4.63
4.583    0.00    0.95      1.992  IO      |       |       |       |      4.62
4.667    0.00    0.95      1.985  IO      |       |       |       |      4.61
4.750    0.00    0.95      1.978  IO      |       |       |       |      4.60
4.833    0.00    0.95      1.972  IO      |       |       |       |      4.59
4.917    0.00    0.95      1.965  IO      |       |       |       |      4.57
5.000    0.00    0.95      1.959  IO      |       |       |       |      4.56
5.083    0.00    0.95      1.952  IO      |       |       |       |      4.55
5.167    0.00    0.94      1.946  IO      |       |       |       |      4.54
5.250    0.00    0.94      1.939  IO      |       |       |       |      4.53
5.333    0.00    0.94      1.933  IO      |       |       |       |      4.51
5.417    0.00    0.94      1.926  IO      |       |       |       |      4.50
5.500    0.00    0.94      1.920  IO      |       |       |       |      4.49
5.583    0.00    0.94      1.913  IO      |       |       |       |      4.48
5.667    0.00    0.94      1.907  IO      |       |       |       |      4.47
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5.750	0.00	0.93	1.901	IO				4.46
5.833	0.00	0.93	1.894	IO				4.44
5.917	0.00	0.93	1.888	IO				4.43
6.000	0.00	0.93	1.881	IO				4.42
6.083	0.00	0.93	1.875	IO				4.41
6.167	0.00	0.93	1.868	IO				4.40
6.250	0.00	0.93	1.862	IO				4.39
6.333	0.00	0.92	1.856	IO				4.37
6.417	0.00	0.92	1.849	IO				4.36
6.500	0.00	0.92	1.843	IO				4.35
6.583	0.00	0.92	1.837	IO				4.34
6.667	0.00	0.92	1.830	IO				4.33
6.750	0.00	0.92	1.824	IO				4.32
6.833	0.00	0.92	1.818	IO				4.30
6.917	0.00	0.92	1.811	IO				4.29
7.000	0.00	0.91	1.805	IO				4.28
7.083	0.00	0.91	1.799	IO				4.27
7.167	0.00	0.91	1.792	IO				4.26
7.250	0.00	0.91	1.786	IO				4.25
7.333	0.00	0.91	1.780	IO				4.24
7.417	0.00	0.91	1.774	IO				4.22
7.500	0.00	0.91	1.767	IO				4.21
7.583	0.00	0.90	1.761	IO				4.20
7.667	0.00	0.90	1.755	IO				4.19
7.750	0.00	0.90	1.749	IO				4.18
7.833	0.00	0.90	1.743	IO				4.17
7.917	0.00	0.90	1.736	IO				4.16
8.000	0.00	0.90	1.730	IO				4.15
8.083	0.00	0.90	1.724	IO				4.13
8.167	0.00	0.89	1.718	IO				4.12
8.250	0.00	0.89	1.712	IO				4.11
8.333	0.00	0.89	1.706	IO				4.10
8.417	0.00	0.89	1.699	IO				4.09
8.500	0.00	0.89	1.693	O				4.08
8.583	0.00	0.89	1.687	O				4.07
8.667	0.00	0.89	1.681	O				4.06
8.750	0.00	0.89	1.675	O				4.05
8.833	0.00	0.88	1.669	O				4.03
8.917	0.00	0.88	1.663	O				4.02
9.000	0.00	0.88	1.657	O				4.01
9.083	0.00	0.88	1.651	O				4.00
9.167	0.00	0.88	1.645	O				3.99
9.250	0.00	0.88	1.639	O				3.98
9.333	0.00	0.88	1.632	O				3.96
9.417	0.00	0.87	1.626	O				3.95
9.500	0.00	0.87	1.620	O				3.94
9.583	0.00	0.87	1.614	O				3.93
9.667	0.00	0.87	1.608	O				3.92
9.750	0.00	0.87	1.602	O				3.90
9.833	0.00	0.87	1.596	O				3.89
9.917	0.00	0.86	1.591	O				3.88
10.000	0.00	0.86	1.585	O				3.87
10.083	0.00	0.86	1.579	O				3.86
10.167	0.00	0.86	1.573	O				3.85
10.250	0.00	0.86	1.567	O				3.83
10.333	0.00	0.86	1.561	O				3.82
10.417	0.00	0.86	1.555	O				3.81
10.500	0.00	0.85	1.549	O				3.80
10.583	0.00	0.85	1.543	O				3.79
10.667	0.00	0.85	1.537	O				3.77
10.750	0.00	0.85	1.532	O				3.76
10.833	0.00	0.85	1.526	O				3.75
10.917	0.00	0.85	1.520	O				3.74
11.000	0.00	0.84	1.514	O				3.73
11.083	0.00	0.84	1.508	O				3.72
11.167	0.00	0.84	1.502	O				3.70
11.250	0.00	0.84	1.497	O				3.69

11.333	0.00	0.84	1.491	O	|	|	|	|	3.68
11.417	0.00	0.84	1.485	O	|	|	|	|	3.67
11.500	0.00	0.84	1.479	O	|	|	|	|	3.66
11.583	0.00	0.83	1.474	O	|	|	|	|	3.65
11.667	0.00	0.83	1.468	O	|	|	|	|	3.64
11.750	0.00	0.83	1.462	O	|	|	|	|	3.62
11.833	0.00	0.83	1.456	O	|	|	|	|	3.61
11.917	0.00	0.83	1.451	O	|	|	|	|	3.60
12.000	0.00	0.83	1.445	O	|	|	|	|	3.59
12.083	0.00	0.83	1.439	O	|	|	|	|	3.58
12.167	0.00	0.82	1.434	O	|	|	|	|	3.57
12.250	0.00	0.82	1.428	O	|	|	|	|	3.56
12.333	0.00	0.82	1.422	O	|	|	|	|	3.54
12.417	0.00	0.82	1.417	O	|	|	|	|	3.53
12.500	0.00	0.82	1.411	O	|	|	|	|	3.52
12.583	0.00	0.82	1.405	O	|	|	|	|	3.51
12.667	0.00	0.81	1.400	O	|	|	|	|	3.50
12.750	0.00	0.81	1.394	O	|	|	|	|	3.49
12.833	0.00	0.81	1.389	O	|	|	|	|	3.48
12.917	0.00	0.81	1.383	O	|	|	|	|	3.47
13.000	0.00	0.81	1.377	O	|	|	|	|	3.45
13.083	0.00	0.81	1.372	O	|	|	|	|	3.44
13.167	0.00	0.81	1.366	O	|	|	|	|	3.43
13.250	0.00	0.80	1.361	O	|	|	|	|	3.42
13.333	0.00	0.80	1.355	O	|	|	|	|	3.41
13.417	0.00	0.80	1.350	O	|	|	|	|	3.40
13.500	0.00	0.80	1.344	O	|	|	|	|	3.39
13.583	0.00	0.80	1.339	O	|	|	|	|	3.38
13.667	0.00	0.80	1.333	O	|	|	|	|	3.37
13.750	0.00	0.80	1.328	O	|	|	|	|	3.36
13.833	0.00	0.79	1.322	O	|	|	|	|	3.34
13.917	0.00	0.79	1.317	O	|	|	|	|	3.33
14.000	0.00	0.79	1.311	O	|	|	|	|	3.32
14.083	0.00	0.79	1.306	O	|	|	|	|	3.31
14.167	0.00	0.79	1.300	O	|	|	|	|	3.30
14.250	0.00	0.79	1.295	O	|	|	|	|	3.29
14.333	0.00	0.79	1.289	O	|	|	|	|	3.28
14.417	0.00	0.78	1.284	O	|	|	|	|	3.27
14.500	0.00	0.78	1.279	O	|	|	|	|	3.26
14.583	0.00	0.78	1.273	O	|	|	|	|	3.25
14.667	0.00	0.78	1.268	O	|	|	|	|	3.24
14.750	0.00	0.78	1.263	O	|	|	|	|	3.23
14.833	0.00	0.78	1.257	O	|	|	|	|	3.21
14.917	0.00	0.78	1.252	O	|	|	|	|	3.20
15.000	0.00	0.78	1.246	O	|	|	|	|	3.19
15.083	0.00	0.77	1.241	O	|	|	|	|	3.18
15.167	0.00	0.77	1.236	O	|	|	|	|	3.17
15.250	0.00	0.77	1.230	O	|	|	|	|	3.16
15.333	0.00	0.77	1.225	O	|	|	|	|	3.15
15.417	0.00	0.77	1.220	O	|	|	|	|	3.14
15.500	0.00	0.77	1.215	O	|	|	|	|	3.13
15.583	0.00	0.77	1.209	O	|	|	|	|	3.12
15.667	0.00	0.76	1.204	O	|	|	|	|	3.11
15.750	0.00	0.76	1.199	O	|	|	|	|	3.10
15.833	0.00	0.76	1.194	O	|	|	|	|	3.09
15.917	0.00	0.76	1.188	O	|	|	|	|	3.08
16.000	0.00	0.76	1.183	O	|	|	|	|	3.07
16.083	0.00	0.76	1.178	O	|	|	|	|	3.06
16.167	0.00	0.76	1.173	O	|	|	|	|	3.05
16.250	0.00	0.75	1.167	O	|	|	|	|	3.03
16.333	0.00	0.75	1.162	O	|	|	|	|	3.02
16.417	0.00	0.75	1.157	O	|	|	|	|	3.01
16.500	0.00	0.75	1.152	O	|	|	|	|	3.00
16.583	0.00	0.75	1.147	O	|	|	|	|	2.99
16.667	0.00	0.75	1.142	O	|	|	|	|	2.98
16.750	0.00	0.74	1.136	O	|	|	|	|	2.97
16.833	0.00	0.74	1.131	O	|	|	|	|	2.96

16.917	0.00	0.74	1.126	O	|	|	|	2.94
17.000	0.00	0.74	1.121	O	|	|	|	2.93
17.083	0.00	0.74	1.116	O	|	|	|	2.92
17.167	0.00	0.73	1.111	O	|	|	|	2.91
17.250	0.00	0.73	1.106	O	|	|	|	2.90
17.333	0.00	0.73	1.101	O	|	|	|	2.89
17.417	0.00	0.73	1.096	O	|	|	|	2.87
17.500	0.00	0.73	1.091	O	|	|	|	2.86
17.583	0.00	0.72	1.086	O	|	|	|	2.85
17.667	0.00	0.72	1.081	O	|	|	|	2.84
17.750	0.00	0.72	1.076	O	|	|	|	2.83
17.833	0.00	0.72	1.071	O	|	|	|	2.82
17.917	0.00	0.72	1.066	O	|	|	|	2.80
18.000	0.00	0.71	1.061	O	|	|	|	2.79
18.083	0.00	0.71	1.056	O	|	|	|	2.78
18.167	0.00	0.71	1.051	O	|	|	|	2.77
18.250	0.00	0.71	1.046	O	|	|	|	2.76
18.333	0.00	0.71	1.042	O	|	|	|	2.75
18.417	0.00	0.71	1.037	O	|	|	|	2.74
18.500	0.00	0.70	1.032	O	|	|	|	2.73
18.583	0.00	0.70	1.027	O	|	|	|	2.71
18.667	0.00	0.70	1.022	O	|	|	|	2.70
18.750	0.00	0.70	1.017	O	|	|	|	2.69
18.833	0.00	0.70	1.013	O	|	|	|	2.68
18.917	0.00	0.69	1.008	O	|	|	|	2.67
19.000	0.00	0.69	1.003	O	|	|	|	2.66
19.083	0.00	0.69	0.998	O	|	|	|	2.65
19.167	0.00	0.69	0.993	O	|	|	|	2.64
19.250	0.00	0.69	0.989	O	|	|	|	2.62
19.333	0.00	0.68	0.984	O	|	|	|	2.61
19.417	0.00	0.68	0.979	O	|	|	|	2.60
19.500	0.00	0.68	0.975	O	|	|	|	2.59
19.583	0.00	0.68	0.970	O	|	|	|	2.58
19.667	0.00	0.68	0.965	O	|	|	|	2.57
19.750	0.00	0.68	0.961	O	|	|	|	2.56
19.833	0.00	0.67	0.956	O	|	|	|	2.55
19.917	0.00	0.67	0.951	O	|	|	|	2.54
20.000	0.00	0.67	0.947	O	|	|	|	2.53
20.083	0.00	0.67	0.942	O	|	|	|	2.52
20.167	0.00	0.67	0.938	O	|	|	|	2.51
20.250	0.00	0.66	0.933	O	|	|	|	2.50
20.333	0.00	0.66	0.928	O	|	|	|	2.48
20.417	0.00	0.66	0.924	O	|	|	|	2.47
20.500	0.00	0.66	0.919	O	|	|	|	2.46
20.583	0.00	0.66	0.915	O	|	|	|	2.45
20.667	0.00	0.66	0.910	O	|	|	|	2.44
20.750	0.00	0.65	0.906	O	|	|	|	2.43
20.833	0.00	0.65	0.901	O	|	|	|	2.42
20.917	0.00	0.65	0.897	O	|	|	|	2.41
21.000	0.00	0.65	0.892	O	|	|	|	2.40
21.083	0.00	0.65	0.888	O	|	|	|	2.39
21.167	0.00	0.64	0.883	O	|	|	|	2.38
21.250	0.00	0.64	0.879	O	|	|	|	2.37
21.333	0.00	0.64	0.875	O	|	|	|	2.36
21.417	0.00	0.64	0.870	O	|	|	|	2.35
21.500	0.00	0.64	0.866	O	|	|	|	2.34
21.583	0.00	0.64	0.861	O	|	|	|	2.33
21.667	0.00	0.63	0.857	O	|	|	|	2.32
21.750	0.00	0.63	0.853	O	|	|	|	2.31
21.833	0.00	0.63	0.848	O	|	|	|	2.30
21.917	0.00	0.63	0.844	O	|	|	|	2.29
22.000	0.00	0.63	0.840	O	|	|	|	2.28
22.083	0.00	0.63	0.835	O	|	|	|	2.27
22.167	0.00	0.62	0.831	O	|	|	|	2.26
22.250	0.00	0.62	0.827	O	|	|	|	2.25
22.333	0.00	0.62	0.822	O	|	|	|	2.24
22.417	0.00	0.62	0.818	O	|	|	|	2.23

22.500	0.00	0.62	0.814	O	|	|	|	|	2.22
22.583	0.00	0.62	0.810	O	|	|	|	|	2.21
22.667	0.00	0.61	0.805	O	|	|	|	|	2.20
22.750	0.00	0.61	0.801	O	|	|	|	|	2.19
22.833	0.00	0.61	0.797	O	|	|	|	|	2.18
22.917	0.00	0.61	0.793	O	|	|	|	|	2.17
23.000	0.00	0.61	0.789	O	|	|	|	|	2.16
23.083	0.00	0.61	0.784	O	|	|	|	|	2.15
23.167	0.00	0.60	0.780	O	|	|	|	|	2.14
23.250	0.00	0.60	0.776	O	|	|	|	|	2.13
23.333	0.00	0.60	0.772	O	|	|	|	|	2.12
23.417	0.00	0.60	0.768	O	|	|	|	|	2.11
23.500	0.00	0.60	0.764	O	|	|	|	|	2.10
23.583	0.00	0.60	0.760	O	|	|	|	|	2.09
23.667	0.00	0.59	0.755	O	|	|	|	|	2.08
23.750	0.00	0.59	0.751	O	|	|	|	|	2.07
23.833	0.00	0.59	0.747	O	|	|	|	|	2.06
23.917	0.00	0.59	0.743	O	|	|	|	|	2.05
24.000	0.00	0.59	0.739	O	|	|	|	|	2.04
24.083	0.00	0.59	0.735	O	|	|	|	|	2.04
24.167	0.00	0.58	0.731	O	|	|	|	|	2.03
24.250	0.00	0.58	0.727	O	|	|	|	|	2.02
24.333	0.00	0.58	0.723	O	|	|	|	|	2.01
24.417	0.00	0.58	0.719	O	|	|	|	|	2.00
24.500	0.00	0.58	0.715	O	|	|	|	|	1.99
24.583	0.00	0.58	0.711	O	|	|	|	|	1.98
24.667	0.00	0.57	0.707	O	|	|	|	|	1.97
24.750	0.00	0.57	0.703	O	|	|	|	|	1.96
24.833	0.00	0.57	0.699	O	|	|	|	|	1.95
24.917	0.00	0.57	0.695	O	|	|	|	|	1.94
25.000	0.00	0.56	0.692	O	|	|	|	|	1.93
25.083	0.00	0.56	0.688	O	|	|	|	|	1.92
25.167	0.00	0.56	0.684	O	|	|	|	|	1.91
25.250	0.00	0.56	0.680	O	|	|	|	|	1.90
25.333	0.00	0.56	0.676	O	|	|	|	|	1.89
25.417	0.00	0.55	0.672	O	|	|	|	|	1.88
25.500	0.00	0.55	0.669	O	|	|	|	|	1.87
25.583	0.00	0.55	0.665	O	|	|	|	|	1.86
25.667	0.00	0.55	0.661	O	|	|	|	|	1.85
25.750	0.00	0.54	0.657	O	|	|	|	|	1.84
25.833	0.00	0.54	0.653	O	|	|	|	|	1.83
25.917	0.00	0.54	0.650	O	|	|	|	|	1.82
26.000	0.00	0.54	0.646	O	|	|	|	|	1.81
26.083	0.00	0.54	0.642	O	|	|	|	|	1.80
26.167	0.00	0.53	0.639	O	|	|	|	|	1.79
26.250	0.00	0.53	0.635	O	|	|	|	|	1.78
26.333	0.00	0.53	0.631	O	|	|	|	|	1.77
26.417	0.00	0.53	0.628	O	|	|	|	|	1.76
26.500	0.00	0.53	0.624	O	|	|	|	|	1.75
26.583	0.00	0.52	0.620	O	|	|	|	|	1.74
26.667	0.00	0.52	0.617	O	|	|	|	|	1.74
26.750	0.00	0.52	0.613	O	|	|	|	|	1.73
26.833	0.00	0.52	0.610	O	|	|	|	|	1.72
26.917	0.00	0.52	0.606	O	|	|	|	|	1.71
27.000	0.00	0.51	0.603	O	|	|	|	|	1.70
27.083	0.00	0.51	0.599	O	|	|	|	|	1.69
27.167	0.00	0.51	0.595	O	|	|	|	|	1.68
27.250	0.00	0.51	0.592	O	|	|	|	|	1.67
27.333	0.00	0.51	0.589	O	|	|	|	|	1.66
27.417	0.00	0.50	0.585	O	|	|	|	|	1.65
27.500	0.00	0.50	0.582	O	|	|	|	|	1.65
27.583	0.00	0.50	0.578	O	|	|	|	|	1.64
27.667	0.00	0.50	0.575	O	|	|	|	|	1.63
27.750	0.00	0.50	0.571	O	|	|	|	|	1.62
27.833	0.00	0.49	0.568	O	|	|	|	|	1.61
27.917	0.00	0.49	0.564	O	|	|	|	|	1.60
28.000	0.00	0.49	0.561	O	|	|	|	|	1.59

28.083	0.00	0.49	0.558	O	|	|	|	1.58
28.167	0.00	0.49	0.554	O	|	|	|	1.58
28.250	0.00	0.48	0.551	O	|	|	|	1.57
28.333	0.00	0.48	0.548	O	|	|	|	1.56
28.417	0.00	0.48	0.544	O	|	|	|	1.55
28.500	0.00	0.48	0.541	O	|	|	|	1.54
28.583	0.00	0.48	0.538	O	|	|	|	1.53
28.667	0.00	0.48	0.534	O	|	|	|	1.52
28.750	0.00	0.47	0.531	O	|	|	|	1.52
28.833	0.00	0.47	0.528	O	|	|	|	1.51
28.917	0.00	0.47	0.525	O	|	|	|	1.50
29.000	0.00	0.47	0.521	O	|	|	|	1.49
29.083	0.00	0.47	0.518	O	|	|	|	1.48
29.167	0.00	0.46	0.515	O	|	|	|	1.47
29.250	0.00	0.46	0.512	O	|	|	|	1.47
29.333	0.00	0.46	0.509	O	|	|	|	1.46
29.417	0.00	0.46	0.506	O	|	|	|	1.45
29.500	0.00	0.46	0.502	O	|	|	|	1.44
29.583	0.00	0.46	0.499	O	|	|	|	1.43
29.667	0.00	0.45	0.496	O	|	|	|	1.43
29.750	0.00	0.45	0.493	O	|	|	|	1.42
29.833	0.00	0.45	0.490	O	|	|	|	1.41
29.917	0.00	0.45	0.487	O	|	|	|	1.40
30.000	0.00	0.45	0.484	O	|	|	|	1.39
30.083	0.00	0.44	0.481	O	|	|	|	1.39
30.167	0.00	0.44	0.478	O	|	|	|	1.38
30.250	0.00	0.44	0.474	O	|	|	|	1.37
30.333	0.00	0.44	0.471	O	|	|	|	1.36
30.417	0.00	0.44	0.468	O	|	|	|	1.35
30.500	0.00	0.44	0.465	O	|	|	|	1.35
30.583	0.00	0.43	0.462	O	|	|	|	1.34
30.667	0.00	0.43	0.459	O	|	|	|	1.33
30.750	0.00	0.43	0.456	O	|	|	|	1.32
30.833	0.00	0.43	0.454	O	|	|	|	1.32
30.917	0.00	0.43	0.451	O	|	|	|	1.31
31.000	0.00	0.43	0.448	O	|	|	|	1.30
31.083	0.00	0.42	0.445	O	|	|	|	1.29
31.167	0.00	0.42	0.442	O	|	|	|	1.29
31.250	0.00	0.42	0.439	O	|	|	|	1.28
31.333	0.00	0.42	0.436	O	|	|	|	1.27
31.417	0.00	0.42	0.433	O	|	|	|	1.26
31.500	0.00	0.42	0.430	O	|	|	|	1.26
31.583	0.00	0.41	0.427	O	|	|	|	1.25
31.667	0.00	0.41	0.424	O	|	|	|	1.24
31.750	0.00	0.41	0.422	O	|	|	|	1.23
31.833	0.00	0.41	0.419	O	|	|	|	1.23
31.917	0.00	0.41	0.416	O	|	|	|	1.22
32.000	0.00	0.41	0.413	O	|	|	|	1.21
32.083	0.00	0.41	0.410	O	|	|	|	1.21
32.167	0.00	0.40	0.408	O	|	|	|	1.20
32.250	0.00	0.40	0.405	O	|	|	|	1.19
32.333	0.00	0.40	0.402	O	|	|	|	1.18
32.417	0.00	0.40	0.399	O	|	|	|	1.18
32.500	0.00	0.40	0.397	O	|	|	|	1.17
32.583	0.00	0.40	0.394	O	|	|	|	1.16
32.667	0.00	0.39	0.391	O	|	|	|	1.16
32.750	0.00	0.39	0.388	O	|	|	|	1.15
32.833	0.00	0.39	0.386	O	|	|	|	1.14
32.917	0.00	0.39	0.383	O	|	|	|	1.14
33.000	0.00	0.39	0.380	O	|	|	|	1.13
33.083	0.00	0.39	0.378	O	|	|	|	1.12
33.167	0.00	0.39	0.375	O	|	|	|	1.12
33.250	0.00	0.38	0.372	O	|	|	|	1.11
33.333	0.00	0.38	0.370	O	|	|	|	1.10
33.417	0.00	0.38	0.367	O	|	|	|	1.10
33.500	0.00	0.38	0.364	O	|	|	|	1.09
33.583	0.00	0.38	0.362	O	|	|	|	1.08

33.667	0.00	0.38	0.359	O	|	|	|	1.08
33.750	0.00	0.38	0.357	O	|	|	|	1.07
33.833	0.00	0.37	0.354	O	|	|	|	1.06
33.917	0.00	0.37	0.352	O	|	|	|	1.06
34.000	0.00	0.37	0.349	O	|	|	|	1.05
34.083	0.00	0.37	0.346	O	|	|	|	1.04
34.167	0.00	0.37	0.344	O	|	|	|	1.04
34.250	0.00	0.37	0.341	O	|	|	|	1.03
34.333	0.00	0.36	0.339	O	|	|	|	1.02
34.417	0.00	0.36	0.336	O	|	|	|	1.02
34.500	0.00	0.36	0.334	O	|	|	|	1.01
34.583	0.00	0.36	0.331	O	|	|	|	1.00
34.667	0.00	0.36	0.329	O	|	|	|	1.00
34.750	0.00	0.36	0.326	O	|	|	|	0.99
34.833	0.00	0.35	0.324	O	|	|	|	0.98
34.917	0.00	0.35	0.322	O	|	|	|	0.97
35.000	0.00	0.35	0.319	O	|	|	|	0.97
35.083	0.00	0.35	0.317	O	|	|	|	0.96
35.167	0.00	0.34	0.314	O	|	|	|	0.95
35.250	0.00	0.34	0.312	O	|	|	|	0.95
35.333	0.00	0.34	0.310	O	|	|	|	0.94
35.417	0.00	0.34	0.307	O	|	|	|	0.93
35.500	0.00	0.33	0.305	O	|	|	|	0.92
35.583	0.00	0.33	0.303	O	|	|	|	0.92
35.667	0.00	0.33	0.301	O	|	|	|	0.91
35.750	0.00	0.33	0.298	O	|	|	|	0.90
35.833	0.00	0.32	0.296	O	|	|	|	0.90
35.917	0.00	0.32	0.294	O	|	|	|	0.89
36.000	0.00	0.32	0.292	O	|	|	|	0.88
36.083	0.00	0.32	0.289	O	|	|	|	0.88
36.167	0.00	0.31	0.287	O	|	|	|	0.87
36.250	0.00	0.31	0.285	O	|	|	|	0.86
36.333	0.00	0.31	0.283	O	|	|	|	0.86
36.417	0.00	0.31	0.281	O	|	|	|	0.85
36.500	0.00	0.30	0.279	O	|	|	|	0.84
36.583	0.00	0.30	0.277	O	|	|	|	0.84
36.667	0.00	0.30	0.275	O	|	|	|	0.83
36.750	0.00	0.30	0.273	O	|	|	|	0.83
36.833	0.00	0.30	0.270	O	|	|	|	0.82
36.917	0.00	0.29	0.268	O	|	|	|	0.81
37.000	0.00	0.29	0.266	O	|	|	|	0.81
37.083	0.00	0.29	0.264	O	|	|	|	0.80
37.167	0.00	0.29	0.262	O	|	|	|	0.80
37.250	0.00	0.28	0.261	O	|	|	|	0.79
37.333	0.00	0.28	0.259	O	|	|	|	0.78
37.417	0.00	0.28	0.257	O	|	|	|	0.78
37.500	0.00	0.28	0.255	O	|	|	|	0.77
37.583	0.00	0.28	0.253	O	|	|	|	0.77
37.667	0.00	0.27	0.251	O	|	|	|	0.76
37.750	0.00	0.27	0.249	O	|	|	|	0.75
37.833	0.00	0.27	0.247	O	|	|	|	0.75
37.917	0.00	0.27	0.245	O	|	|	|	0.74
38.000	0.00	0.27	0.243	O	|	|	|	0.74
38.083	0.00	0.26	0.242	O	|	|	|	0.73
38.167	0.00	0.26	0.240	O	|	|	|	0.73
38.250	0.00	0.26	0.238	O	|	|	|	0.72
38.333	0.00	0.26	0.236	O	|	|	|	0.72
38.417	0.00	0.26	0.235	O	|	|	|	0.71
38.500	0.00	0.25	0.233	O	|	|	|	0.71
38.583	0.00	0.25	0.231	O	|	|	|	0.70
38.667	0.00	0.25	0.229	O	|	|	|	0.69
38.750	0.00	0.25	0.228	O	|	|	|	0.69
38.833	0.00	0.25	0.226	O	|	|	|	0.68
38.917	0.00	0.24	0.224	O	|	|	|	0.68
39.000	0.00	0.24	0.222	O	|	|	|	0.67
39.083	0.00	0.24	0.221	O	|	|	|	0.67
39.167	0.00	0.24	0.219	O	|	|	|	0.66

39.250	0.00	0.24	0.218	O	|	|	|	0.66
39.333	0.00	0.24	0.216	O	|	|	|	0.65
39.417	0.00	0.23	0.214	O	|	|	|	0.65
39.500	0.00	0.23	0.213	O	|	|	|	0.64
39.583	0.00	0.23	0.211	O	|	|	|	0.64
39.667	0.00	0.23	0.210	O	|	|	|	0.63
39.750	0.00	0.23	0.208	O	|	|	|	0.63
39.833	0.00	0.23	0.206	O	|	|	|	0.63
39.917	0.00	0.22	0.205	O	|	|	|	0.62
40.000	0.00	0.22	0.203	O	|	|	|	0.62
40.083	0.00	0.22	0.202	O	|	|	|	0.61
40.167	0.00	0.22	0.200	O	|	|	|	0.61
40.250	0.00	0.22	0.199	O	|	|	|	0.60
40.333	0.00	0.22	0.197	O	|	|	|	0.60
40.417	0.00	0.21	0.196	O	|	|	|	0.59
40.500	0.00	0.21	0.194	O	|	|	|	0.59
40.583	0.00	0.21	0.193	O	|	|	|	0.58
40.667	0.00	0.21	0.191	O	|	|	|	0.58
40.750	0.00	0.21	0.190	O	|	|	|	0.58
40.833	0.00	0.21	0.189	O	|	|	|	0.57
40.917	0.00	0.20	0.187	O	|	|	|	0.57
41.000	0.00	0.20	0.186	O	|	|	|	0.56
41.083	0.00	0.20	0.184	O	|	|	|	0.56
41.167	0.00	0.20	0.183	O	|	|	|	0.55
41.250	0.00	0.20	0.182	O	|	|	|	0.55
41.333	0.00	0.20	0.180	O	|	|	|	0.55
41.417	0.00	0.20	0.179	O	|	|	|	0.54
41.500	0.00	0.19	0.178	O	|	|	|	0.54
41.583	0.00	0.19	0.176	O	|	|	|	0.53
41.667	0.00	0.19	0.175	O	|	|	|	0.53
41.750	0.00	0.19	0.174	O	|	|	|	0.53
41.833	0.00	0.19	0.172	O	|	|	|	0.52
41.917	0.00	0.19	0.171	O	|	|	|	0.52
42.000	0.00	0.19	0.170	O	|	|	|	0.51
42.083	0.00	0.18	0.169	O	|	|	|	0.51
42.167	0.00	0.18	0.167	O	|	|	|	0.51
42.250	0.00	0.18	0.166	O	|	|	|	0.50
42.333	0.00	0.18	0.165	O	|	|	|	0.50
42.417	0.00	0.18	0.164	O	|	|	|	0.50
42.500	0.00	0.18	0.162	O	|	|	|	0.49
42.583	0.00	0.18	0.161	O	|	|	|	0.49
42.667	0.00	0.17	0.160	O	|	|	|	0.48
42.750	0.00	0.17	0.159	O	|	|	|	0.48
42.833	0.00	0.17	0.157	O	|	|	|	0.48
42.917	0.00	0.17	0.156	O	|	|	|	0.47
43.000	0.00	0.17	0.155	O	|	|	|	0.47
43.083	0.00	0.17	0.154	O	|	|	|	0.47
43.167	0.00	0.17	0.153	O	|	|	|	0.46
43.250	0.00	0.17	0.152	O	|	|	|	0.46
43.333	0.00	0.16	0.151	O	|	|	|	0.46
43.417	0.00	0.16	0.149	O	|	|	|	0.45
43.500	0.00	0.16	0.148	O	|	|	|	0.45
43.583	0.00	0.16	0.147	O	|	|	|	0.45
43.667	0.00	0.16	0.146	O	|	|	|	0.44
43.750	0.00	0.16	0.145	O	|	|	|	0.44
43.833	0.00	0.16	0.144	O	|	|	|	0.44
43.917	0.00	0.16	0.143	O	|	|	|	0.43
44.000	0.00	0.15	0.142	O	|	|	|	0.43
44.083	0.00	0.15	0.141	O	|	|	|	0.43
44.167	0.00	0.15	0.140	O	|	|	|	0.42
44.250	0.00	0.15	0.139	O	|	|	|	0.42
44.333	0.00	0.15	0.138	O	|	|	|	0.42
44.417	0.00	0.15	0.137	O	|	|	|	0.41
44.500	0.00	0.15	0.136	O	|	|	|	0.41
44.583	0.00	0.15	0.134	O	|	|	|	0.41
44.667	0.00	0.15	0.133	O	|	|	|	0.40
44.750	0.00	0.14	0.132	O	|	|	|	0.40

44.833	0.00	0.14	0.131	O	|	|	|	|	0.40
44.917	0.00	0.14	0.131	O	|	|	|	|	0.40
45.000	0.00	0.14	0.130	O	|	|	|	|	0.39
45.083	0.00	0.14	0.129	O	|	|	|	|	0.39
45.167	0.00	0.14	0.128	O	|	|	|	|	0.39
45.250	0.00	0.14	0.127	O	|	|	|	|	0.38
45.333	0.00	0.14	0.126	O	|	|	|	|	0.38
45.417	0.00	0.14	0.125	O	|	|	|	|	0.38
45.500	0.00	0.14	0.124	O	|	|	|	|	0.38
45.583	0.00	0.13	0.123	O	|	|	|	|	0.37
45.667	0.00	0.13	0.122	O	|	|	|	|	0.37
45.750	0.00	0.13	0.121	O	|	|	|	|	0.37
45.833	0.00	0.13	0.120	O	|	|	|	|	0.36
45.917	0.00	0.13	0.119	O	|	|	|	|	0.36
46.000	0.00	0.13	0.118	O	|	|	|	|	0.36
46.083	0.00	0.13	0.117	O	|	|	|	|	0.36
46.167	0.00	0.13	0.117	O	|	|	|	|	0.35
46.250	0.00	0.13	0.116	O	|	|	|	|	0.35
46.333	0.00	0.13	0.115	O	|	|	|	|	0.35
46.417	0.00	0.12	0.114	O	|	|	|	|	0.35
46.500	0.00	0.12	0.113	O	|	|	|	|	0.34
46.583	0.00	0.12	0.112	O	|	|	|	|	0.34
46.667	0.00	0.12	0.111	O	|	|	|	|	0.34
46.750	0.00	0.12	0.111	O	|	|	|	|	0.34
46.833	0.00	0.12	0.110	O	|	|	|	|	0.33
46.917	0.00	0.12	0.109	O	|	|	|	|	0.33
47.000	0.00	0.12	0.108	O	|	|	|	|	0.33
47.083	0.00	0.12	0.107	O	|	|	|	|	0.33
47.167	0.00	0.12	0.107	O	|	|	|	|	0.32
47.250	0.00	0.12	0.106	O	|	|	|	|	0.32
47.333	0.00	0.11	0.105	O	|	|	|	|	0.32
47.417	0.00	0.11	0.104	O	|	|	|	|	0.32
47.500	0.00	0.11	0.103	O	|	|	|	|	0.31
47.583	0.00	0.11	0.103	O	|	|	|	|	0.31
47.667	0.00	0.11	0.102	O	|	|	|	|	0.31
47.750	0.00	0.11	0.101	O	|	|	|	|	0.31
47.833	0.00	0.11	0.100	O	|	|	|	|	0.30
47.917	0.00	0.11	0.100	O	|	|	|	|	0.30
48.000	0.00	0.11	0.099	O	|	|	|	|	0.30
48.083	0.00	0.11	0.098	O	|	|	|	|	0.30
48.167	0.00	0.11	0.097	O	|	|	|	|	0.30
48.250	0.00	0.11	0.097	O	|	|	|	|	0.29
48.333	0.00	0.10	0.096	O	|	|	|	|	0.29
48.417	0.00	0.10	0.095	O	|	|	|	|	0.29
48.500	0.00	0.10	0.094	O	|	|	|	|	0.29
48.583	0.00	0.10	0.094	O	|	|	|	|	0.28
48.667	0.00	0.10	0.093	O	|	|	|	|	0.28
48.750	0.00	0.10	0.092	O	|	|	|	|	0.28
48.833	0.00	0.10	0.092	O	|	|	|	|	0.28
48.917	0.00	0.10	0.091	O	|	|	|	|	0.28
49.000	0.00	0.10	0.090	O	|	|	|	|	0.27
49.083	0.00	0.10	0.090	O	|	|	|	|	0.27
49.167	0.00	0.10	0.089	O	|	|	|	|	0.27
49.250	0.00	0.10	0.088	O	|	|	|	|	0.27
49.333	0.00	0.10	0.088	O	|	|	|	|	0.27
49.417	0.00	0.09	0.087	O	|	|	|	|	0.26
49.500	0.00	0.09	0.086	O	|	|	|	|	0.26
49.583	0.00	0.09	0.086	O	|	|	|	|	0.26
49.667	0.00	0.09	0.085	O	|	|	|	|	0.26
49.750	0.00	0.09	0.084	O	|	|	|	|	0.26
49.833	0.00	0.09	0.084	O	|	|	|	|	0.25
49.917	0.00	0.09	0.083	O	|	|	|	|	0.25
50.000	0.00	0.09	0.083	O	|	|	|	|	0.25
50.083	0.00	0.09	0.082	O	|	|	|	|	0.25
50.167	0.00	0.09	0.081	O	|	|	|	|	0.25
50.250	0.00	0.09	0.081	O	|	|	|	|	0.24
50.333	0.00	0.09	0.080	O	|	|	|	|	0.24

50.417	0.00	0.09	0.079	O	|	|	|	|	0.24
50.500	0.00	0.09	0.079	O	|	|	|	|	0.24
50.583	0.00	0.09	0.078	O	|	|	|	|	0.24
50.667	0.00	0.08	0.078	O	|	|	|	|	0.24
50.750	0.00	0.08	0.077	O	|	|	|	|	0.23
50.833	0.00	0.08	0.077	O	|	|	|	|	0.23
50.917	0.00	0.08	0.076	O	|	|	|	|	0.23
51.000	0.00	0.08	0.075	O	|	|	|	|	0.23
51.083	0.00	0.08	0.075	O	|	|	|	|	0.23
51.167	0.00	0.08	0.074	O	|	|	|	|	0.23
51.250	0.00	0.08	0.074	O	|	|	|	|	0.22
51.333	0.00	0.08	0.073	O	|	|	|	|	0.22
51.417	0.00	0.08	0.073	O	|	|	|	|	0.22
51.500	0.00	0.08	0.072	O	|	|	|	|	0.22
51.583	0.00	0.08	0.072	O	|	|	|	|	0.22
51.667	0.00	0.08	0.071	O	|	|	|	|	0.22
51.750	0.00	0.08	0.070	O	|	|	|	|	0.21
51.833	0.00	0.08	0.070	O	|	|	|	|	0.21
51.917	0.00	0.08	0.069	O	|	|	|	|	0.21
52.000	0.00	0.08	0.069	O	|	|	|	|	0.21
52.083	0.00	0.07	0.068	O	|	|	|	|	0.21
52.167	0.00	0.07	0.068	O	|	|	|	|	0.21
52.250	0.00	0.07	0.067	O	|	|	|	|	0.20
52.333	0.00	0.07	0.067	O	|	|	|	|	0.20
52.417	0.00	0.07	0.066	O	|	|	|	|	0.20
52.500	0.00	0.07	0.066	O	|	|	|	|	0.20
52.583	0.00	0.07	0.065	O	|	|	|	|	0.20
52.667	0.00	0.07	0.065	O	|	|	|	|	0.20
52.750	0.00	0.07	0.064	O	|	|	|	|	0.20
52.833	0.00	0.07	0.064	O	|	|	|	|	0.19
52.917	0.00	0.07	0.063	O	|	|	|	|	0.19
53.000	0.00	0.07	0.063	O	|	|	|	|	0.19
53.083	0.00	0.07	0.063	O	|	|	|	|	0.19
53.167	0.00	0.07	0.062	O	|	|	|	|	0.19
53.250	0.00	0.07	0.062	O	|	|	|	|	0.19
53.333	0.00	0.07	0.061	O	|	|	|	|	0.19
53.417	0.00	0.07	0.061	O	|	|	|	|	0.18
53.500	0.00	0.07	0.060	O	|	|	|	|	0.18
53.583	0.00	0.07	0.060	O	|	|	|	|	0.18
53.667	0.00	0.06	0.059	O	|	|	|	|	0.18
53.750	0.00	0.06	0.059	O	|	|	|	|	0.18
53.833	0.00	0.06	0.058	O	|	|	|	|	0.18
53.917	0.00	0.06	0.058	O	|	|	|	|	0.18
54.000	0.00	0.06	0.058	O	|	|	|	|	0.17
54.083	0.00	0.06	0.057	O	|	|	|	|	0.17
54.167	0.00	0.06	0.057	O	|	|	|	|	0.17
54.250	0.00	0.06	0.056	O	|	|	|	|	0.17
54.333	0.00	0.06	0.056	O	|	|	|	|	0.17
54.417	0.00	0.06	0.055	O	|	|	|	|	0.17
54.500	0.00	0.06	0.055	O	|	|	|	|	0.17
54.583	0.00	0.06	0.055	O	|	|	|	|	0.17
54.667	0.00	0.06	0.054	O	|	|	|	|	0.16
54.750	0.00	0.06	0.054	O	|	|	|	|	0.16
54.833	0.00	0.06	0.053	O	|	|	|	|	0.16
54.917	0.00	0.06	0.053	O	|	|	|	|	0.16
55.000	0.00	0.06	0.053	O	|	|	|	|	0.16
55.083	0.00	0.06	0.052	O	|	|	|	|	0.16
55.167	0.00	0.06	0.052	O	|	|	|	|	0.16
55.250	0.00	0.06	0.051	O	|	|	|	|	0.16
55.333	0.00	0.06	0.051	O	|	|	|	|	0.15
55.417	0.00	0.06	0.051	O	|	|	|	|	0.15
55.500	0.00	0.05	0.050	O	|	|	|	|	0.15
55.583	0.00	0.05	0.050	O	|	|	|	|	0.15
55.667	0.00	0.05	0.050	O	|	|	|	|	0.15
55.750	0.00	0.05	0.049	O	|	|	|	|	0.15
55.833	0.00	0.05	0.049	O	|	|	|	|	0.15
55.917	0.00	0.05	0.048	O	|	|	|	|	0.15

56.000	0.00	0.05	0.048	O	|	|	|	|	0.15
56.083	0.00	0.05	0.048	O	|	|	|	|	0.14
56.167	0.00	0.05	0.047	O	|	|	|	|	0.14
56.250	0.00	0.05	0.047	O	|	|	|	|	0.14
56.333	0.00	0.05	0.047	O	|	|	|	|	0.14
56.417	0.00	0.05	0.046	O	|	|	|	|	0.14
56.500	0.00	0.05	0.046	O	|	|	|	|	0.14
56.583	0.00	0.05	0.046	O	|	|	|	|	0.14
56.667	0.00	0.05	0.045	O	|	|	|	|	0.14
56.750	0.00	0.05	0.045	O	|	|	|	|	0.14
56.833	0.00	0.05	0.045	O	|	|	|	|	0.14
56.917	0.00	0.05	0.044	O	|	|	|	|	0.13
57.000	0.00	0.05	0.044	O	|	|	|	|	0.13
57.083	0.00	0.05	0.044	O	|	|	|	|	0.13
57.167	0.00	0.05	0.043	O	|	|	|	|	0.13
57.250	0.00	0.05	0.043	O	|	|	|	|	0.13
57.333	0.00	0.05	0.043	O	|	|	|	|	0.13
57.417	0.00	0.05	0.042	O	|	|	|	|	0.13
57.500	0.00	0.05	0.042	O	|	|	|	|	0.13
57.583	0.00	0.05	0.042	O	|	|	|	|	0.13
57.667	0.00	0.05	0.041	O	|	|	|	|	0.13
57.750	0.00	0.04	0.041	O	|	|	|	|	0.12
57.833	0.00	0.04	0.041	O	|	|	|	|	0.12
57.917	0.00	0.04	0.040	O	|	|	|	|	0.12
58.000	0.00	0.04	0.040	O	|	|	|	|	0.12
58.083	0.00	0.04	0.040	O	|	|	|	|	0.12
58.167	0.00	0.04	0.040	O	|	|	|	|	0.12
58.250	0.00	0.04	0.039	O	|	|	|	|	0.12
58.333	0.00	0.04	0.039	O	|	|	|	|	0.12
58.417	0.00	0.04	0.039	O	|	|	|	|	0.12
58.500	0.00	0.04	0.038	O	|	|	|	|	0.12
58.583	0.00	0.04	0.038	O	|	|	|	|	0.12
58.667	0.00	0.04	0.038	O	|	|	|	|	0.11
58.750	0.00	0.04	0.037	O	|	|	|	|	0.11
58.833	0.00	0.04	0.037	O	|	|	|	|	0.11
58.917	0.00	0.04	0.037	O	|	|	|	|	0.11
59.000	0.00	0.04	0.037	O	|	|	|	|	0.11
59.083	0.00	0.04	0.036	O	|	|	|	|	0.11
59.167	0.00	0.04	0.036	O	|	|	|	|	0.11
59.250	0.00	0.04	0.036	O	|	|	|	|	0.11
59.333	0.00	0.04	0.036	O	|	|	|	|	0.11
59.417	0.00	0.04	0.035	O	|	|	|	|	0.11
59.500	0.00	0.04	0.035	O	|	|	|	|	0.11
59.583	0.00	0.04	0.035	O	|	|	|	|	0.11
59.667	0.00	0.04	0.035	O	|	|	|	|	0.10
59.750	0.00	0.04	0.034	O	|	|	|	|	0.10
59.833	0.00	0.04	0.034	O	|	|	|	|	0.10
59.917	0.00	0.04	0.034	O	|	|	|	|	0.10
60.000	0.00	0.04	0.034	O	|	|	|	|	0.10
60.083	0.00	0.04	0.033	O	|	|	|	|	0.10
60.167	0.00	0.04	0.033	O	|	|	|	|	0.10
60.250	0.00	0.04	0.033	O	|	|	|	|	0.10
60.333	0.00	0.04	0.033	O	|	|	|	|	0.10
60.417	0.00	0.04	0.032	O	|	|	|	|	0.10
60.500	0.00	0.03	0.032	O	|	|	|	|	0.10
60.583	0.00	0.03	0.032	O	|	|	|	|	0.10
60.667	0.00	0.03	0.032	O	|	|	|	|	0.10
60.750	0.00	0.03	0.031	O	|	|	|	|	0.09
60.833	0.00	0.03	0.031	O	|	|	|	|	0.09
60.917	0.00	0.03	0.031	O	|	|	|	|	0.09
61.000	0.00	0.03	0.031	O	|	|	|	|	0.09
61.083	0.00	0.03	0.030	O	|	|	|	|	0.09
61.167	0.00	0.03	0.030	O	|	|	|	|	0.09
61.250	0.00	0.03	0.030	O	|	|	|	|	0.09
61.333	0.00	0.03	0.030	O	|	|	|	|	0.09
61.417	0.00	0.03	0.029	O	|	|	|	|	0.09
61.500	0.00	0.03	0.029	O	|	|	|	|	0.09

61.583	0.00	0.03	0.029	O	|	|	|	0.09
61.667	0.00	0.03	0.029	O	|	|	|	0.09
61.750	0.00	0.03	0.029	O	|	|	|	0.09
61.833	0.00	0.03	0.028	O	|	|	|	0.09
61.917	0.00	0.03	0.028	O	|	|	|	0.09
62.000	0.00	0.03	0.028	O	|	|	|	0.08
62.083	0.00	0.03	0.028	O	|	|	|	0.08
62.167	0.00	0.03	0.028	O	|	|	|	0.08
62.250	0.00	0.03	0.027	O	|	|	|	0.08
62.333	0.00	0.03	0.027	O	|	|	|	0.08
62.417	0.00	0.03	0.027	O	|	|	|	0.08
62.500	0.00	0.03	0.027	O	|	|	|	0.08
62.583	0.00	0.03	0.027	O	|	|	|	0.08
62.667	0.00	0.03	0.026	O	|	|	|	0.08
62.750	0.00	0.03	0.026	O	|	|	|	0.08
62.833	0.00	0.03	0.026	O	|	|	|	0.08
62.917	0.00	0.03	0.026	O	|	|	|	0.08
63.000	0.00	0.03	0.026	O	|	|	|	0.08
63.083	0.00	0.03	0.025	O	|	|	|	0.08
63.167	0.00	0.03	0.025	O	|	|	|	0.08
63.250	0.00	0.03	0.025	O	|	|	|	0.08
63.333	0.00	0.03	0.025	O	|	|	|	0.08
63.417	0.00	0.03	0.025	O	|	|	|	0.07
63.500	0.00	0.03	0.024	O	|	|	|	0.07
63.583	0.00	0.03	0.024	O	|	|	|	0.07
63.667	0.00	0.03	0.024	O	|	|	|	0.07
63.750	0.00	0.03	0.024	O	|	|	|	0.07
63.833	0.00	0.03	0.024	O	|	|	|	0.07
63.917	0.00	0.03	0.024	O	|	|	|	0.07
64.000	0.00	0.03	0.023	O	|	|	|	0.07
64.083	0.00	0.03	0.023	O	|	|	|	0.07
64.167	0.00	0.03	0.023	O	|	|	|	0.07
64.250	0.00	0.02	0.023	O	|	|	|	0.07
64.333	0.00	0.02	0.023	O	|	|	|	0.07
64.417	0.00	0.02	0.022	O	|	|	|	0.07
64.500	0.00	0.02	0.022	O	|	|	|	0.07
64.583	0.00	0.02	0.022	O	|	|	|	0.07
64.667	0.00	0.02	0.022	O	|	|	|	0.07
64.750	0.00	0.02	0.022	O	|	|	|	0.07
64.833	0.00	0.02	0.022	O	|	|	|	0.07
64.917	0.00	0.02	0.022	O	|	|	|	0.07
65.000	0.00	0.02	0.021	O	|	|	|	0.06
65.083	0.00	0.02	0.021	O	|	|	|	0.06
65.167	0.00	0.02	0.021	O	|	|	|	0.06
65.250	0.00	0.02	0.021	O	|	|	|	0.06
65.333	0.00	0.02	0.021	O	|	|	|	0.06
65.417	0.00	0.02	0.021	O	|	|	|	0.06
65.500	0.00	0.02	0.020	O	|	|	|	0.06
65.583	0.00	0.02	0.020	O	|	|	|	0.06
65.667	0.00	0.02	0.020	O	|	|	|	0.06
65.750	0.00	0.02	0.020	O	|	|	|	0.06
65.833	0.00	0.02	0.020	O	|	|	|	0.06
65.917	0.00	0.02	0.020	O	|	|	|	0.06
66.000	0.00	0.02	0.020	O	|	|	|	0.06
66.083	0.00	0.02	0.019	O	|	|	|	0.06
66.167	0.00	0.02	0.019	O	|	|	|	0.06
66.250	0.00	0.02	0.019	O	|	|	|	0.06
66.333	0.00	0.02	0.019	O	|	|	|	0.06
66.417	0.00	0.02	0.019	O	|	|	|	0.06
66.500	0.00	0.02	0.019	O	|	|	|	0.06
66.583	0.00	0.02	0.019	O	|	|	|	0.06
66.667	0.00	0.02	0.018	O	|	|	|	0.06
66.750	0.00	0.02	0.018	O	|	|	|	0.06
66.833	0.00	0.02	0.018	O	|	|	|	0.05
66.917	0.00	0.02	0.018	O	|	|	|	0.05
67.000	0.00	0.02	0.018	O	|	|	|	0.05
67.083	0.00	0.02	0.018	O	|	|	|	0.05

67.167	0.00	0.02	0.018	O	|	|	|	|	0.05
67.250	0.00	0.02	0.017	O	|	|	|	|	0.05
67.333	0.00	0.02	0.017	O	|	|	|	|	0.05
67.417	0.00	0.02	0.017	O	|	|	|	|	0.05
67.500	0.00	0.02	0.017	O	|	|	|	|	0.05
67.583	0.00	0.02	0.017	O	|	|	|	|	0.05
67.667	0.00	0.02	0.017	O	|	|	|	|	0.05
67.750	0.00	0.02	0.017	O	|	|	|	|	0.05
67.833	0.00	0.02	0.017	O	|	|	|	|	0.05
67.917	0.00	0.02	0.016	O	|	|	|	|	0.05
68.000	0.00	0.02	0.016	O	|	|	|	|	0.05
68.083	0.00	0.02	0.016	O	|	|	|	|	0.05
68.167	0.00	0.02	0.016	O	|	|	|	|	0.05
68.250	0.00	0.02	0.016	O	|	|	|	|	0.05
68.333	0.00	0.02	0.016	O	|	|	|	|	0.05
68.417	0.00	0.02	0.016	O	|	|	|	|	0.05
68.500	0.00	0.02	0.016	O	|	|	|	|	0.05
68.583	0.00	0.02	0.015	O	|	|	|	|	0.05
68.667	0.00	0.02	0.015	O	|	|	|	|	0.05
68.750	0.00	0.02	0.015	O	|	|	|	|	0.05
68.833	0.00	0.02	0.015	O	|	|	|	|	0.05
68.917	0.00	0.02	0.015	O	|	|	|	|	0.05
69.000	0.00	0.02	0.015	O	|	|	|	|	0.05
69.083	0.00	0.02	0.015	O	|	|	|	|	0.04
69.167	0.00	0.02	0.015	O	|	|	|	|	0.04
69.250	0.00	0.02	0.015	O	|	|	|	|	0.04
69.333	0.00	0.02	0.014	O	|	|	|	|	0.04
69.417	0.00	0.02	0.014	O	|	|	|	|	0.04
69.500	0.00	0.02	0.014	O	|	|	|	|	0.04
69.583	0.00	0.02	0.014	O	|	|	|	|	0.04
69.667	0.00	0.02	0.014	O	|	|	|	|	0.04
69.750	0.00	0.02	0.014	O	|	|	|	|	0.04
69.833	0.00	0.02	0.014	O	|	|	|	|	0.04
69.917	0.00	0.01	0.014	O	|	|	|	|	0.04
70.000	0.00	0.01	0.014	O	|	|	|	|	0.04
70.083	0.00	0.01	0.013	O	|	|	|	|	0.04
70.167	0.00	0.01	0.013	O	|	|	|	|	0.04
70.250	0.00	0.01	0.013	O	|	|	|	|	0.04
70.333	0.00	0.01	0.013	O	|	|	|	|	0.04
70.417	0.00	0.01	0.013	O	|	|	|	|	0.04
70.500	0.00	0.01	0.013	O	|	|	|	|	0.04
70.583	0.00	0.01	0.013	O	|	|	|	|	0.04
70.667	0.00	0.01	0.013	O	|	|	|	|	0.04
70.750	0.00	0.01	0.013	O	|	|	|	|	0.04
70.833	0.00	0.01	0.013	O	|	|	|	|	0.04
70.917	0.00	0.01	0.013	O	|	|	|	|	0.04
71.000	0.00	0.01	0.012	O	|	|	|	|	0.04
71.083	0.00	0.01	0.012	O	|	|	|	|	0.04
71.167	0.00	0.01	0.012	O	|	|	|	|	0.04
71.250	0.00	0.01	0.012	O	|	|	|	|	0.04
71.333	0.00	0.01	0.012	O	|	|	|	|	0.04
71.417	0.00	0.01	0.012	O	|	|	|	|	0.04
71.500	0.00	0.01	0.012	O	|	|	|	|	0.04
71.583	0.00	0.01	0.012	O	|	|	|	|	0.04
71.667	0.00	0.01	0.012	O	|	|	|	|	0.04
71.750	0.00	0.01	0.012	O	|	|	|	|	0.04
71.833	0.00	0.01	0.012	O	|	|	|	|	0.03
71.917	0.00	0.01	0.011	O	|	|	|	|	0.03
72.000	0.00	0.01	0.011	O	|	|	|	|	0.03
72.083	0.00	0.01	0.011	O	|	|	|	|	0.03
72.167	0.00	0.01	0.011	O	|	|	|	|	0.03
72.250	0.00	0.01	0.011	O	|	|	|	|	0.03
72.333	0.00	0.01	0.011	O	|	|	|	|	0.03
72.417	0.00	0.01	0.011	O	|	|	|	|	0.03
72.500	0.00	0.01	0.011	O	|	|	|	|	0.03
72.583	0.00	0.01	0.011	O	|	|	|	|	0.03
72.667	0.00	0.01	0.011	O	|	|	|	|	0.03

72.750	0.00	0.01	0.011	O	|	|	|	0.03
72.833	0.00	0.01	0.011	O	|	|	|	0.03
72.917	0.00	0.01	0.010	O	|	|	|	0.03
73.000	0.00	0.01	0.010	O	|	|	|	0.03
73.083	0.00	0.01	0.010	O	|	|	|	0.03
73.167	0.00	0.01	0.010	O	|	|	|	0.03
73.250	0.00	0.01	0.010	O	|	|	|	0.03
73.333	0.00	0.01	0.010	O	|	|	|	0.03
73.417	0.00	0.01	0.010	O	|	|	|	0.03
73.500	0.00	0.01	0.010	O	|	|	|	0.03
73.583	0.00	0.01	0.010	O	|	|	|	0.03
73.667	0.00	0.01	0.010	O	|	|	|	0.03
73.750	0.00	0.01	0.010	O	|	|	|	0.03
73.833	0.00	0.01	0.010	O	|	|	|	0.03
73.917	0.00	0.01	0.010	O	|	|	|	0.03
74.000	0.00	0.01	0.009	O	|	|	|	0.03
74.083	0.00	0.01	0.009	O	|	|	|	0.03
74.167	0.00	0.01	0.009	O	|	|	|	0.03
74.250	0.00	0.01	0.009	O	|	|	|	0.03
74.333	0.00	0.01	0.009	O	|	|	|	0.03
74.417	0.00	0.01	0.009	O	|	|	|	0.03
74.500	0.00	0.01	0.009	O	|	|	|	0.03
74.583	0.00	0.01	0.009	O	|	|	|	0.03
74.667	0.00	0.01	0.009	O	|	|	|	0.03
74.750	0.00	0.01	0.009	O	|	|	|	0.03
74.833	0.00	0.01	0.009	O	|	|	|	0.03
74.917	0.00	0.01	0.009	O	|	|	|	0.03
75.000	0.00	0.01	0.009	O	|	|	|	0.03
75.083	0.00	0.01	0.009	O	|	|	|	0.03
75.167	0.00	0.01	0.009	O	|	|	|	0.03
75.250	0.00	0.01	0.008	O	|	|	|	0.03
75.333	0.00	0.01	0.008	O	|	|	|	0.03
75.417	0.00	0.01	0.008	O	|	|	|	0.03
75.500	0.00	0.01	0.008	O	|	|	|	0.03
75.583	0.00	0.01	0.008	O	|	|	|	0.02
75.667	0.00	0.01	0.008	O	|	|	|	0.02
75.750	0.00	0.01	0.008	O	|	|	|	0.02
75.833	0.00	0.01	0.008	O	|	|	|	0.02
75.917	0.00	0.01	0.008	O	|	|	|	0.02
76.000	0.00	0.01	0.008	O	|	|	|	0.02
76.083	0.00	0.01	0.008	O	|	|	|	0.02
76.167	0.00	0.01	0.008	O	|	|	|	0.02
76.250	0.00	0.01	0.008	O	|	|	|	0.02
76.333	0.00	0.01	0.008	O	|	|	|	0.02
76.417	0.00	0.01	0.008	O	|	|	|	0.02
76.500	0.00	0.01	0.008	O	|	|	|	0.02
76.583	0.00	0.01	0.008	O	|	|	|	0.02
76.667	0.00	0.01	0.007	O	|	|	|	0.02
76.750	0.00	0.01	0.007	O	|	|	|	0.02
76.833	0.00	0.01	0.007	O	|	|	|	0.02
76.917	0.00	0.01	0.007	O	|	|	|	0.02
77.000	0.00	0.01	0.007	O	|	|	|	0.02
77.083	0.00	0.01	0.007	O	|	|	|	0.02
77.167	0.00	0.01	0.007	O	|	|	|	0.02
77.250	0.00	0.01	0.007	O	|	|	|	0.02
77.333	0.00	0.01	0.007	O	|	|	|	0.02
77.417	0.00	0.01	0.007	O	|	|	|	0.02
77.500	0.00	0.01	0.007	O	|	|	|	0.02
77.583	0.00	0.01	0.007	O	|	|	|	0.02
77.667	0.00	0.01	0.007	O	|	|	|	0.02
77.750	0.00	0.01	0.007	O	|	|	|	0.02
77.833	0.00	0.01	0.007	O	|	|	|	0.02
77.917	0.00	0.01	0.007	O	|	|	|	0.02
78.000	0.00	0.01	0.007	O	|	|	|	0.02
78.083	0.00	0.01	0.007	O	|	|	|	0.02
78.167	0.00	0.01	0.007	O	|	|	|	0.02
78.250	0.00	0.01	0.006	O	|	|	|	0.02

78.333	0.00	0.01	0.006	O	|	|	|	0.02
78.417	0.00	0.01	0.006	O	|	|	|	0.02
78.500	0.00	0.01	0.006	O	|	|	|	0.02
78.583	0.00	0.01	0.006	O	|	|	|	0.02
78.667	0.00	0.01	0.006	O	|	|	|	0.02
78.750	0.00	0.01	0.006	O	|	|	|	0.02
78.833	0.00	0.01	0.006	O	|	|	|	0.02
78.917	0.00	0.01	0.006	O	|	|	|	0.02
79.000	0.00	0.01	0.006	O	|	|	|	0.02
79.083	0.00	0.01	0.006	O	|	|	|	0.02
79.167	0.00	0.01	0.006	O	|	|	|	0.02
79.250	0.00	0.01	0.006	O	|	|	|	0.02
79.333	0.00	0.01	0.006	O	|	|	|	0.02
79.417	0.00	0.01	0.006	O	|	|	|	0.02
79.500	0.00	0.01	0.006	O	|	|	|	0.02
79.583	0.00	0.01	0.006	O	|	|	|	0.02
79.667	0.00	0.01	0.006	O	|	|	|	0.02
79.750	0.00	0.01	0.006	O	|	|	|	0.02
79.833	0.00	0.01	0.006	O	|	|	|	0.02
79.917	0.00	0.01	0.006	O	|	|	|	0.02
80.000	0.00	0.01	0.006	O	|	|	|	0.02
80.083	0.00	0.01	0.005	O	|	|	|	0.02
80.167	0.00	0.01	0.005	O	|	|	|	0.02
80.250	0.00	0.01	0.005	O	|	|	|	0.02
80.333	0.00	0.01	0.005	O	|	|	|	0.02
80.417	0.00	0.01	0.005	O	|	|	|	0.02
80.500	0.00	0.01	0.005	O	|	|	|	0.02
80.583	0.00	0.01	0.005	O	|	|	|	0.02
80.667	0.00	0.01	0.005	O	|	|	|	0.02
80.750	0.00	0.01	0.005	O	|	|	|	0.02
80.833	0.00	0.01	0.005	O	|	|	|	0.02
80.917	0.00	0.01	0.005	O	|	|	|	0.02
81.000	0.00	0.01	0.005	O	|	|	|	0.02
81.083	0.00	0.01	0.005	O	|	|	|	0.02
81.167	0.00	0.01	0.005	O	|	|	|	0.02
81.250	0.00	0.01	0.005	O	|	|	|	0.01
81.333	0.00	0.01	0.005	O	|	|	|	0.01
81.417	0.00	0.01	0.005	O	|	|	|	0.01
81.500	0.00	0.01	0.005	O	|	|	|	0.01
81.583	0.00	0.01	0.005	O	|	|	|	0.01
81.667	0.00	0.01	0.005	O	|	|	|	0.01
81.750	0.00	0.01	0.005	O	|	|	|	0.01
81.833	0.00	0.01	0.005	O	|	|	|	0.01
81.917	0.00	0.01	0.005	O	|	|	|	0.01
82.000	0.00	0.01	0.005	O	|	|	|	0.01
82.083	0.00	0.00	0.005	O	|	|	|	0.01
82.167	0.00	0.00	0.005	O	|	|	|	0.01
82.250	0.00	0.00	0.005	O	|	|	|	0.01
82.333	0.00	0.00	0.004	O	|	|	|	0.01
82.417	0.00	0.00	0.004	O	|	|	|	0.01
82.500	0.00	0.00	0.004	O	|	|	|	0.01
82.583	0.00	0.00	0.004	O	|	|	|	0.01
82.667	0.00	0.00	0.004	O	|	|	|	0.01
82.750	0.00	0.00	0.004	O	|	|	|	0.01
82.833	0.00	0.00	0.004	O	|	|	|	0.01
82.917	0.00	0.00	0.004	O	|	|	|	0.01
83.000	0.00	0.00	0.004	O	|	|	|	0.01
83.083	0.00	0.00	0.004	O	|	|	|	0.01
83.167	0.00	0.00	0.004	O	|	|	|	0.01
83.250	0.00	0.00	0.004	O	|	|	|	0.01
83.333	0.00	0.00	0.004	O	|	|	|	0.01
83.417	0.00	0.00	0.004	O	|	|	|	0.01
83.500	0.00	0.00	0.004	O	|	|	|	0.01
83.583	0.00	0.00	0.004	O	|	|	|	0.01
83.667	0.00	0.00	0.004	O	|	|	|	0.01
83.750	0.00	0.00	0.004	O	|	|	|	0.01
83.833	0.00	0.00	0.004	O	|	|	|	0.01

83.917	0.00	0.00	0.004	O				0.01
84.000	0.00	0.00	0.004	O				0.01
84.083	0.00	0.00	0.004	O				0.01
84.167	0.00	0.00	0.004	O				0.01
84.250	0.00	0.00	0.004	O				0.01
84.333	0.00	0.00	0.004	O				0.01
84.417	0.00	0.00	0.004	O				0.01
84.500	0.00	0.00	0.004	O				0.01
84.583	0.00	0.00	0.004	O				0.01
84.667	0.00	0.00	0.004	O				0.01
84.750	0.00	0.00	0.004	O				0.01
84.833	0.00	0.00	0.004	O				0.01
84.917	0.00	0.00	0.004	O				0.01
85.000	0.00	0.00	0.004	O				0.01
85.083	0.00	0.00	0.003	O				0.01
85.167	0.00	0.00	0.003	O				0.01
85.250	0.00	0.00	0.003	O				0.01
85.333	0.00	0.00	0.003	O				0.01
85.417	0.00	0.00	0.003	O				0.01
85.500	0.00	0.00	0.003	O				0.01
85.583	0.00	0.00	0.003	O				0.01
85.667	0.00	0.00	0.003	O				0.01
85.750	0.00	0.00	0.003	O				0.01
85.833	0.00	0.00	0.003	O				0.01
85.917	0.00	0.00	0.003	O				0.01
86.000	0.00	0.00	0.003	O				0.01
86.083	0.00	0.00	0.003	O				0.01
86.167	0.00	0.00	0.003	O				0.01
86.250	0.00	0.00	0.003	O				0.01
86.333	0.00	0.00	0.003	O				0.01
86.417	0.00	0.00	0.003	O				0.01
86.500	0.00	0.00	0.003	O				0.01
86.583	0.00	0.00	0.003	O				0.01
86.667	0.00	0.00	0.003	O				0.01
86.750	0.00	0.00	0.003	O				0.01
86.833	0.00	0.00	0.003	O				0.01
86.917	0.00	0.00	0.003	O				0.01
87.000	0.00	0.00	0.003	O				0.01
87.083	0.00	0.00	0.003	O				0.01
87.167	0.00	0.00	0.003	O				0.01
87.250	0.00	0.00	0.003	O				0.01
87.333	0.00	0.00	0.003	O				0.01
87.417	0.00	0.00	0.003	O				0.01
87.500	0.00	0.00	0.003	O				0.01
87.583	0.00	0.00	0.003	O				0.01
87.667	0.00	0.00	0.003	O				0.01
87.750	0.00	0.00	0.003	O				0.01
87.833	0.00	0.00	0.003	O				0.01
87.917	0.00	0.00	0.003	O				0.01
88.000	0.00	0.00	0.003	O				0.01
88.083	0.00	0.00	0.003	O				0.01
88.167	0.00	0.00	0.003	O				0.01
88.250	0.00	0.00	0.003	O				0.01
88.333	0.00	0.00	0.003	O				0.01
88.417	0.00	0.00	0.003	O				0.01
88.500	0.00	0.00	0.003	O				0.01
88.583	0.00	0.00	0.003	O				0.01
88.667	0.00	0.00	0.003	O				0.01
88.750	0.00	0.00	0.003	O				0.01
88.833	0.00	0.00	0.002	O				0.01
88.917	0.00	0.00	0.002	O				0.01
89.000	0.00	0.00	0.002	O				0.01
89.083	0.00	0.00	0.002	O				0.01
89.167	0.00	0.00	0.002	O				0.01
89.250	0.00	0.00	0.002	O				0.01
89.333	0.00	0.00	0.002	O				0.01
89.417	0.00	0.00	0.002	O				0.01

89.500	0.00	0.00	0.002	O	|	|	|	0.01
89.583	0.00	0.00	0.002	O	|	|	|	0.01
89.667	0.00	0.00	0.002	O	|	|	|	0.01
89.750	0.00	0.00	0.002	O	|	|	|	0.01
89.833	0.00	0.00	0.002	O	|	|	|	0.01
89.917	0.00	0.00	0.002	O	|	|	|	0.01
90.000	0.00	0.00	0.002	O	|	|	|	0.01
90.083	0.00	0.00	0.002	O	|	|	|	0.01
90.167	0.00	0.00	0.002	O	|	|	|	0.01
90.250	0.00	0.00	0.002	O	|	|	|	0.01
90.333	0.00	0.00	0.002	O	|	|	|	0.01
90.417	0.00	0.00	0.002	O	|	|	|	0.01
90.500	0.00	0.00	0.002	O	|	|	|	0.01
90.583	0.00	0.00	0.002	O	|	|	|	0.01
90.667	0.00	0.00	0.002	O	|	|	|	0.01
90.750	0.00	0.00	0.002	O	|	|	|	0.01
90.833	0.00	0.00	0.002	O	|	|	|	0.01
90.917	0.00	0.00	0.002	O	|	|	|	0.01
91.000	0.00	0.00	0.002	O	|	|	|	0.01
91.083	0.00	0.00	0.002	O	|	|	|	0.01
91.167	0.00	0.00	0.002	O	|	|	|	0.01
91.250	0.00	0.00	0.002	O	|	|	|	0.01
91.333	0.00	0.00	0.002	O	|	|	|	0.01
91.417	0.00	0.00	0.002	O	|	|	|	0.01
91.500	0.00	0.00	0.002	O	|	|	|	0.01
91.583	0.00	0.00	0.002	O	|	|	|	0.01
91.667	0.00	0.00	0.002	O	|	|	|	0.01
91.750	0.00	0.00	0.002	O	|	|	|	0.01
91.833	0.00	0.00	0.002	O	|	|	|	0.01
91.917	0.00	0.00	0.002	O	|	|	|	0.01
92.000	0.00	0.00	0.002	O	|	|	|	0.01
92.083	0.00	0.00	0.002	O	|	|	|	0.01
92.167	0.00	0.00	0.002	O	|	|	|	0.01
92.250	0.00	0.00	0.002	O	|	|	|	0.01
92.333	0.00	0.00	0.002	O	|	|	|	0.01
92.417	0.00	0.00	0.002	O	|	|	|	0.01
92.500	0.00	0.00	0.002	O	|	|	|	0.01
92.583	0.00	0.00	0.002	O	|	|	|	0.01
92.667	0.00	0.00	0.002	O	|	|	|	0.01
92.750	0.00	0.00	0.002	O	|	|	|	0.01
92.833	0.00	0.00	0.002	O	|	|	|	0.01
92.917	0.00	0.00	0.002	O	|	|	|	0.01
93.000	0.00	0.00	0.002	O	|	|	|	0.01
93.083	0.00	0.00	0.002	O	|	|	|	0.01
93.167	0.00	0.00	0.002	O	|	|	|	0.01
93.250	0.00	0.00	0.002	O	|	|	|	0.01
93.333	0.00	0.00	0.002	O	|	|	|	0.01
93.417	0.00	0.00	0.002	O	|	|	|	0.00
93.500	0.00	0.00	0.002	O	|	|	|	0.00
93.583	0.00	0.00	0.002	O	|	|	|	0.00
93.667	0.00	0.00	0.002	O	|	|	|	0.00
93.750	0.00	0.00	0.002	O	|	|	|	0.00
93.833	0.00	0.00	0.002	O	|	|	|	0.00
93.917	0.00	0.00	0.002	O	|	|	|	0.00
94.000	0.00	0.00	0.002	O	|	|	|	0.00
94.083	0.00	0.00	0.002	O	|	|	|	0.00
94.167	0.00	0.00	0.002	O	|	|	|	0.00
94.250	0.00	0.00	0.002	O	|	|	|	0.00
94.333	0.00	0.00	0.002	O	|	|	|	0.00
94.417	0.00	0.00	0.002	O	|	|	|	0.00
94.500	0.00	0.00	0.001	O	|	|	|	0.00
94.583	0.00	0.00	0.001	O	|	|	|	0.00
94.667	0.00	0.00	0.001	O	|	|	|	0.00
94.750	0.00	0.00	0.001	O	|	|	|	0.00
94.833	0.00	0.00	0.001	O	|	|	|	0.00
94.917	0.00	0.00	0.001	O	|	|	|	0.00
95.000	0.00	0.00	0.001	O	|	|	|	0.00

95.083	0.00	0.00	0.001	O	|	|	|	|	0.00
95.167	0.00	0.00	0.001	O	|	|	|	|	0.00
95.250	0.00	0.00	0.001	O	|	|	|	|	0.00
95.333	0.00	0.00	0.001	O	|	|	|	|	0.00
95.417	0.00	0.00	0.001	O	|	|	|	|	0.00
95.500	0.00	0.00	0.001	O	|	|	|	|	0.00
95.583	0.00	0.00	0.001	O	|	|	|	|	0.00
95.667	0.00	0.00	0.001	O	|	|	|	|	0.00
95.750	0.00	0.00	0.001	O	|	|	|	|	0.00
95.833	0.00	0.00	0.001	O	|	|	|	|	0.00
95.917	0.00	0.00	0.001	O	|	|	|	|	0.00
96.000	0.00	0.00	0.001	O	|	|	|	|	0.00
96.083	0.00	0.00	0.001	O	|	|	|	|	0.00
96.167	0.00	0.00	0.001	O	|	|	|	|	0.00
96.250	0.00	0.00	0.001	O	|	|	|	|	0.00
96.333	0.00	0.00	0.001	O	|	|	|	|	0.00
96.417	0.00	0.00	0.001	O	|	|	|	|	0.00
96.500	0.00	0.00	0.001	O	|	|	|	|	0.00
96.583	0.00	0.00	0.001	O	|	|	|	|	0.00
96.667	0.00	0.00	0.001	O	|	|	|	|	0.00
96.750	0.00	0.00	0.001	O	|	|	|	|	0.00
96.833	0.00	0.00	0.001	O	|	|	|	|	0.00
96.917	0.00	0.00	0.001	O	|	|	|	|	0.00
97.000	0.00	0.00	0.001	O	|	|	|	|	0.00
97.083	0.00	0.00	0.001	O	|	|	|	|	0.00
97.167	0.00	0.00	0.001	O	|	|	|	|	0.00
97.250	0.00	0.00	0.001	O	|	|	|	|	0.00
97.333	0.00	0.00	0.001	O	|	|	|	|	0.00
97.417	0.00	0.00	0.001	O	|	|	|	|	0.00
97.500	0.00	0.00	0.001	O	|	|	|	|	0.00
97.583	0.00	0.00	0.001	O	|	|	|	|	0.00
97.667	0.00	0.00	0.001	O	|	|	|	|	0.00
97.750	0.00	0.00	0.001	O	|	|	|	|	0.00
97.833	0.00	0.00	0.001	O	|	|	|	|	0.00
97.917	0.00	0.00	0.001	O	|	|	|	|	0.00
98.000	0.00	0.00	0.001	O	|	|	|	|	0.00
98.083	0.00	0.00	0.001	O	|	|	|	|	0.00
98.167	0.00	0.00	0.001	O	|	|	|	|	0.00
98.250	0.00	0.00	0.001	O	|	|	|	|	0.00
98.333	0.00	0.00	0.001	O	|	|	|	|	0.00
98.417	0.00	0.00	0.001	O	|	|	|	|	0.00
98.500	0.00	0.00	0.001	O	|	|	|	|	0.00
98.583	0.00	0.00	0.001	O	|	|	|	|	0.00
98.667	0.00	0.00	0.001	O	|	|	|	|	0.00
98.750	0.00	0.00	0.001	O	|	|	|	|	0.00
98.833	0.00	0.00	0.001	O	|	|	|	|	0.00
98.917	0.00	0.00	0.001	O	|	|	|	|	0.00
99.000	0.00	0.00	0.001	O	|	|	|	|	0.00
99.083	0.00	0.00	0.001	O	|	|	|	|	0.00
99.167	0.00	0.00	0.001	O	|	|	|	|	0.00
99.250	0.00	0.00	0.001	O	|	|	|	|	0.00
99.333	0.00	0.00	0.001	O	|	|	|	|	0.00
99.417	0.00	0.00	0.001	O	|	|	|	|	0.00
99.500	0.00	0.00	0.001	O	|	|	|	|	0.00
99.583	0.00	0.00	0.001	O	|	|	|	|	0.00
99.667	0.00	0.00	0.001	O	|	|	|	|	0.00
99.750	0.00	0.00	0.001	O	|	|	|	|	0.00
99.833	0.00	0.00	0.001	O	|	|	|	|	0.00
99.917	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 1199
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.980 (CFS)
Total volume = 2.243 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1	Stream 2	Stream 3	Stream 4	Stream 5

```
       Peak (CFS)      0.000     0.000     0.000     0.000     0.000
       Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
*******************************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRF6100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 28.446 (CFS)
Total volume = 3.318 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN F- ROUTING
100YR-6HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.330	0.360	0.329	0.331
2.000	0.720	0.580	0.718	0.722
3.000	1.150	0.750	1.147	1.153
4.000	1.650	0.880	1.647	1.653
5.000	2.200	1.000	2.197	2.203
6.000	2.810	1.910	2.803	2.817
7.000	3.480	2.340	3.472	3.488
8.000	4.230	2.680	4.221	4.239
9.000	5.040	69.580	4.800	5.280

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	7.1	14.22	21.33	28.45	Depth (Ft.)
0.083	1.31	0.00	0.004	OI	|	|	|	|	0.01

```
0.167    2.42    0.02      0.017  O I     |        |        |        |     0.05
0.250    2.73    0.04      0.035  O  I    |        |        |        |     0.11
0.333    2.75    0.06      0.053  O  I    |        |        |        |     0.16
0.417    2.75    0.08      0.072  O  I    |        |        |        |     0.22
0.500    3.02    0.10      0.091  O  I    |        |        |        |     0.28
0.583    3.19    0.12      0.112  O  I    |        |        |        |     0.34
0.667    3.21    0.14      0.133  O  I    |        |        |        |     0.40
0.750    3.21    0.17      0.154  O  I    |        |        |        |     0.47
0.833    3.21    0.19      0.175  O  I    |        |        |        |     0.53
0.917    3.21    0.21      0.195  O  I    |        |        |        |     0.59
1.000    3.47    0.24      0.217  O  I    |        |        |        |     0.66
1.083    3.64    0.26      0.240  O   I   |        |        |        |     0.73
1.167    3.67    0.29      0.263  O   I   |        |        |        |     0.80
1.250    3.67    0.31      0.286  O   I   |        |        |        |     0.87
1.333    3.67    0.34      0.309  O   I   |        |        |        |     0.94
1.417    3.67    0.36      0.332  O   I   |        |        |        |     1.01
1.500    3.67    0.37      0.355  O   I   |        |        |        |     1.06
1.583    3.67    0.39      0.378  O   I   |        |        |        |     1.12
1.667    3.67    0.40      0.400  O   I   |        |        |        |     1.18
1.750    3.67    0.41      0.423  O   I   |        |        |        |     1.24
1.833    3.67    0.42      0.445  O   I   |        |        |        |     1.30
1.917    3.67    0.44      0.467  O   I   |        |        |        |     1.35
2.000    3.93    0.45      0.491  O   I   |        |        |        |     1.41
2.083    3.84    0.46      0.514  O   I   |        |        |        |     1.47
2.167    3.96    0.48      0.538  O   I   |        |        |        |     1.53
2.250    4.10    0.49      0.562  O   I   |        |        |        |     1.60
2.333    4.13    0.51      0.587  O   I   |        |        |        |     1.66
2.417    4.13    0.52      0.612  O   I   |        |        |        |     1.72
2.500    4.13    0.53      0.637  O   I   |        |        |        |     1.79
2.583    4.13    0.55      0.662  O   I   |        |        |        |     1.85
2.667    4.13    0.56      0.686  O   I   |        |        |        |     1.91
2.750    4.39    0.58      0.712  O   I   |        |        |        |     1.98
2.833    4.56    0.59      0.738  O    I  |        |        |        |     2.04
2.917    4.59    0.60      0.766  O    I  |        |        |        |     2.11
3.000    4.59    0.61      0.793  O    I  |        |        |        |     2.17
3.083    4.59    0.62      0.821  O    I  |        |        |        |     2.23
3.167    4.85    0.63      0.849  O    I  |        |        |        |     2.30
3.250    5.02    0.64      0.879  O    I  |        |        |        |     2.37
3.333    5.05    0.65      0.909  O    I  |        |        |        |     2.44
3.417    5.31    0.67      0.940  O    I  |        |        |        |     2.51
3.500    5.74    0.68      0.973  O     I |        |        |        |     2.59
3.583    6.20    0.69      1.010  O     I |        |        |        |     2.67
3.667    6.40    0.71      1.048  O      I|        |        |        |     2.76
3.750    6.69    0.73      1.088  O      I|        |        |        |     2.86
3.833    6.86    0.74      1.130  O      I|        |        |        |     2.95
3.917    7.15    0.76      1.173  O       I        |        |        |     3.05
4.000    7.32    0.77      1.218  O       I        |        |        |     3.14
4.083    7.61    0.78      1.264  O       I        |        |        |     3.23
4.167    8.04    0.79      1.312  O       |I       |        |        |     3.32
4.250    8.50    0.81      1.363  O       |I       |        |        |     3.43
4.333    8.95    0.82      1.418  O       | I      |        |        |     3.54
4.417    9.49    0.83      1.476  O       | I      |        |        |     3.65
4.500    9.73    0.85      1.536  O       | I      |        |        |     3.77
4.583   10.11    0.87      1.599  O       |  I     |        |        |     3.90
4.667   10.68    0.88      1.664  O       |   I    |        |        |     4.03
4.750   11.29    0.90      1.734  |O      |   I    |        |        |     4.15
4.833   11.55    0.91      1.806  |O      |   I    |        |        |     4.28
4.917   11.93    0.93      1.881  |O      |    I   |        |        |     4.42
5.000   12.50    0.95      1.958  |O      |     I  |        |        |     4.56
5.083   14.49    0.97      2.045  |O      |       I|        |        |     4.72
5.167   17.37    0.99      2.148  |O      |        |  I     |        |     4.90
5.250   19.71    1.10      2.268  |O      |        |     I  |        |     5.11
5.333   21.60    1.30      2.402  |O      |        |       I|        |     5.33
5.417   24.11    1.52      2.550  |O      |        |        |  I     |     5.57
5.500   28.45    1.77      2.719  |O      |        |        |       I|     5.85
5.583   17.96    1.95      2.866  | O     |        |   I    |        |     6.08
5.667    7.45    1.99      2.940  | O     |       I|        |        |     6.19
```

5.750	3.62	2.01	2.965	| O I	|	|	|	6.23
5.833	2.58	2.01	2.972	| O	|	|	|	6.24
5.917	1.80	**2.01**	**2.973**	**| O**	**|**	**|**	**|**	**6.24**
6.000	1.17	2.01	2.970	|IO	|	|	|	6.24
6.083	0.42	2.01	2.961	I O	|	|	|	6.23
6.167	0.06	2.00	2.949	I O	|	|	|	6.21
6.250	0.00	1.99	2.936	I O	|	|	|	6.19
6.333	0.00	1.98	2.922	I O	|	|	|	6.17
6.417	0.00	1.97	2.908	I O	|	|	|	6.15
6.500	0.00	1.96	2.895	I O	|	|	|	6.13
6.583	0.00	1.96	2.881	I O	|	|	|	6.11
6.667	0.00	1.95	2.868	I O	|	|	|	6.09
6.750	0.00	1.94	2.854	I O	|	|	|	6.07
6.833	0.00	1.93	2.841	I O	|	|	|	6.05
6.917	0.00	1.92	2.828	I O	|	|	|	6.03
7.000	0.00	1.91	2.815	I O	|	|	|	6.01
7.083	0.00	1.90	2.801	I O	|	|	|	5.99
7.167	0.00	1.88	2.788	I O	|	|	|	5.96
7.250	0.00	1.86	2.776	I O	|	|	|	5.94
7.333	0.00	1.84	2.763	I O	|	|	|	5.92
7.417	0.00	1.82	2.750	I O	|	|	|	5.90
7.500	0.00	1.80	2.738	I O	|	|	|	5.88
7.583	0.00	1.78	2.725	I O	|	|	|	5.86
7.667	0.00	1.77	2.713	IO	|	|	|	5.84
7.750	0.00	1.75	2.701	IO	|	|	|	5.82
7.833	0.00	1.73	2.689	IO	|	|	|	5.80
7.917	0.00	1.71	2.677	IO	|	|	|	5.78
8.000	0.00	1.69	2.666	IO	|	|	|	5.76
8.083	0.00	1.68	2.654	IO	|	|	|	5.74
8.167	0.00	1.66	2.642	IO	|	|	|	5.73
8.250	0.00	1.64	2.631	IO	|	|	|	5.71
8.333	0.00	1.63	2.620	IO	|	|	|	5.69
8.417	0.00	1.61	2.609	IO	|	|	|	5.67
8.500	0.00	1.59	2.598	IO	|	|	|	5.65
8.583	0.00	1.58	2.587	IO	|	|	|	5.63
8.667	0.00	1.56	2.576	IO	|	|	|	5.62
8.750	0.00	1.54	2.565	IO	|	|	|	5.60
8.833	0.00	1.53	2.555	IO	|	|	|	5.58
8.917	0.00	1.51	2.544	IO	|	|	|	5.56
9.000	0.00	1.50	2.534	IO	|	|	|	5.55
9.083	0.00	1.48	2.524	IO	|	|	|	5.53
9.167	0.00	1.47	2.513	IO	|	|	|	5.51
9.250	0.00	1.45	2.503	IO	|	|	|	5.50
9.333	0.00	1.44	2.493	IO	|	|	|	5.48
9.417	0.00	1.42	2.484	IO	|	|	|	5.46
9.500	0.00	1.41	2.474	IO	|	|	|	5.45
9.583	0.00	1.39	2.464	IO	|	|	|	5.43
9.667	0.00	1.38	2.455	IO	|	|	|	5.42
9.750	0.00	1.37	2.445	IO	|	|	|	5.40
9.833	0.00	1.35	2.436	IO	|	|	|	5.39
9.917	0.00	1.34	2.427	IO	|	|	|	5.37
10.000	0.00	1.32	2.417	IO	|	|	|	5.36
10.083	0.00	1.31	2.408	IO	|	|	|	5.34
10.167	0.00	1.30	2.399	IO	|	|	|	5.33
10.250	0.00	1.28	2.390	IO	|	|	|	5.31
10.333	0.00	1.27	2.382	IO	|	|	|	5.30
10.417	0.00	1.26	2.373	IO	|	|	|	5.28
10.500	0.00	1.25	2.364	IO	|	|	|	5.27
10.583	0.00	1.23	2.356	IO	|	|	|	5.26
10.667	0.00	1.22	2.347	IO	|	|	|	5.24
10.750	0.00	1.21	2.339	IO	|	|	|	5.23
10.833	0.00	1.19	2.331	IO	|	|	|	5.21
10.917	0.00	1.18	2.322	IO	|	|	|	5.20
11.000	0.00	1.17	2.314	IO	|	|	|	5.19
11.083	0.00	1.16	2.306	IO	|	|	|	5.17
11.167	0.00	1.15	2.298	IO	|	|	|	5.16
11.250	0.00	1.14	2.291	IO	|	|	|	5.15

11.333	0.00	1.12	2.283	IO				5.14
11.417	0.00	1.11	2.275	IO				5.12
11.500	0.00	1.10	2.267	IO				5.11
11.583	0.00	1.09	2.260	IO				5.10
11.667	0.00	1.08	2.252	IO				5.09
11.750	0.00	1.07	2.245	IO				5.07
11.833	0.00	1.06	2.238	IO				5.06
11.917	0.00	1.05	2.231	IO				5.05
12.000	0.00	1.03	2.223	IO				5.04
12.083	0.00	1.02	2.216	IO				5.03
12.167	0.00	1.01	2.209	IO				5.02
12.250	0.00	1.00	2.202	IO				5.00
12.333	0.00	1.00	2.195	IO				4.99
12.417	0.00	1.00	2.189	IO				4.98
12.500	0.00	1.00	2.182	IO				4.97
12.583	0.00	0.99	2.175	IO				4.95
12.667	0.00	0.99	2.168	IO				4.94
12.750	0.00	0.99	2.161	IO				4.93
12.833	0.00	0.99	2.154	IO				4.92
12.917	0.00	0.99	2.147	IO				4.90
13.000	0.00	0.99	2.141	IO				4.89
13.083	0.00	0.99	2.134	IO				4.88
13.167	0.00	0.98	2.127	IO				4.87
13.250	0.00	0.98	2.120	IO				4.86
13.333	0.00	0.98	2.114	IO				4.84
13.417	0.00	0.98	2.107	IO				4.83
13.500	0.00	0.98	2.100	IO				4.82
13.583	0.00	0.98	2.093	IO				4.81
13.667	0.00	0.98	2.087	IO				4.79
13.750	0.00	0.97	2.080	IO				4.78
13.833	0.00	0.97	2.073	IO				4.77
13.917	0.00	0.97	2.067	IO				4.76
14.000	0.00	0.97	2.060	IO				4.75
14.083	0.00	0.97	2.053	IO				4.73
14.167	0.00	0.97	2.047	IO				4.72
14.250	0.00	0.97	2.040	IO				4.71
14.333	0.00	0.96	2.033	IO				4.70
14.417	0.00	0.96	2.027	IO				4.68
14.500	0.00	0.96	2.020	IO				4.67
14.583	0.00	0.96	2.013	IO				4.66
14.667	0.00	0.96	2.007	IO				4.65
14.750	0.00	0.96	2.000	IO				4.64
14.833	0.00	0.95	1.994	IO				4.62
14.917	0.00	0.95	1.987	IO				4.61
15.000	0.00	0.95	1.980	IO				4.60
15.083	0.00	0.95	1.974	IO				4.59
15.167	0.00	0.95	1.967	IO				4.58
15.250	0.00	0.95	1.961	IO				4.57
15.333	0.00	0.95	1.954	IO				4.55
15.417	0.00	0.94	1.948	IO				4.54
15.500	0.00	0.94	1.941	IO				4.53
15.583	0.00	0.94	1.935	IO				4.52
15.667	0.00	0.94	1.928	IO				4.51
15.750	0.00	0.94	1.922	IO				4.49
15.833	0.00	0.94	1.915	IO				4.48
15.917	0.00	0.94	1.909	IO				4.47
16.000	0.00	0.94	1.902	IO				4.46
16.083	0.00	0.93	1.896	IO				4.45
16.167	0.00	0.93	1.890	IO				4.44
16.250	0.00	0.93	1.883	IO				4.42
16.333	0.00	0.93	1.877	IO				4.41
16.417	0.00	0.93	1.870	IO				4.40
16.500	0.00	0.93	1.864	IO				4.39
16.583	0.00	0.93	1.858	IO				4.38
16.667	0.00	0.92	1.851	IO				4.37
16.750	0.00	0.92	1.845	IO				4.35
16.833	0.00	0.92	1.839	IO				4.34

16.917	0.00	0.92	1.832	IO				4.33
17.000	0.00	0.92	1.826	IO				4.32
17.083	0.00	0.92	1.820	IO				4.31
17.167	0.00	0.92	1.813	IO				4.30
17.250	0.00	0.91	1.807	IO				4.29
17.333	0.00	0.91	1.801	IO				4.27
17.417	0.00	0.91	1.794	IO				4.26
17.500	0.00	0.91	1.788	IO				4.25
17.583	0.00	0.91	1.782	IO				4.24
17.667	0.00	0.91	1.776	IO				4.23
17.750	0.00	0.91	1.769	IO				4.22
17.833	0.00	0.90	1.763	IO				4.21
17.917	0.00	0.90	1.757	IO				4.19
18.000	0.00	0.90	1.751	IO				4.18
18.083	0.00	0.90	1.744	IO				4.17
18.167	0.00	0.90	1.738	IO				4.16
18.250	0.00	0.90	1.732	IO				4.15
18.333	0.00	0.90	1.726	IO				4.14
18.417	0.00	0.90	1.720	IO				4.13
18.500	0.00	0.89	1.714	IO				4.12
18.583	0.00	0.89	1.707	IO				4.10
18.667	0.00	0.89	1.701	IO				4.09
18.750	0.00	0.89	1.695	IO				4.08
18.833	0.00	0.89	1.689	O				4.07
18.917	0.00	0.89	1.683	O				4.06
19.000	0.00	0.89	1.677	O				4.05
19.083	0.00	0.88	1.671	O				4.04
19.167	0.00	0.88	1.665	O				4.03
19.250	0.00	0.88	1.659	O				4.02
19.333	0.00	0.88	1.652	O				4.00
19.417	0.00	0.88	1.646	O				3.99
19.500	0.00	0.88	1.640	O				3.98
19.583	0.00	0.88	1.634	O				3.97
19.667	0.00	0.87	1.628	O				3.96
19.750	0.00	0.87	1.622	O				3.94
19.833	0.00	0.87	1.616	O				3.93
19.917	0.00	0.87	1.610	O				3.92
20.000	0.00	0.87	1.604	O				3.91
20.083	0.00	0.87	1.598	O				3.90
20.167	0.00	0.87	1.592	O				3.88
20.250	0.00	0.86	1.586	O				3.87
20.333	0.00	0.86	1.580	O				3.86
20.417	0.00	0.86	1.575	O				3.85
20.500	0.00	0.86	1.569	O				3.84
20.583	0.00	0.86	1.563	O				3.83
20.667	0.00	0.86	1.557	O				3.81
20.750	0.00	0.85	1.551	O				3.80
20.833	0.00	0.85	1.545	O				3.79
20.917	0.00	0.85	1.539	O				3.78
21.000	0.00	0.85	1.533	O				3.77
21.083	0.00	0.85	1.527	O				3.75
21.167	0.00	0.85	1.522	O				3.74
21.250	0.00	0.85	1.516	O				3.73
21.333	0.00	0.84	1.510	O				3.72
21.417	0.00	0.84	1.504	O				3.71
21.500	0.00	0.84	1.498	O				3.70
21.583	0.00	0.84	1.493	O				3.69
21.667	0.00	0.84	1.487	O				3.67
21.750	0.00	0.84	1.481	O				3.66
21.833	0.00	0.83	1.475	O				3.65
21.917	0.00	0.83	1.470	O				3.64
22.000	0.00	0.83	1.464	O				3.63
22.083	0.00	0.83	1.458	O				3.62
22.167	0.00	0.83	1.452	O				3.60
22.250	0.00	0.83	1.447	O				3.59
22.333	0.00	0.83	1.441	O				3.58
22.417	0.00	0.82	1.435	O				3.57

22.500	0.00	0.82	1.430	O	|	|	|	3.56
22.583	0.00	0.82	1.424	O	|	|	|	3.55
22.667	0.00	0.82	1.418	O	|	|	|	3.54
22.750	0.00	0.82	1.413	O	|	|	|	3.53
22.833	0.00	0.82	1.407	O	|	|	|	3.51
22.917	0.00	0.82	1.401	O	|	|	|	3.50
23.000	0.00	0.81	1.396	O	|	|	|	3.49
23.083	0.00	0.81	1.390	O	|	|	|	3.48
23.167	0.00	0.81	1.385	O	|	|	|	3.47
23.250	0.00	0.81	1.379	O	|	|	|	3.46
23.333	0.00	0.81	1.373	O	|	|	|	3.45
23.417	0.00	0.81	1.368	O	|	|	|	3.44
23.500	0.00	0.81	1.362	O	|	|	|	3.42
23.583	0.00	0.80	1.357	O	|	|	|	3.41
23.667	0.00	0.80	1.351	O	|	|	|	3.40
23.750	0.00	0.80	1.346	O	|	|	|	3.39
23.833	0.00	0.80	1.340	O	|	|	|	3.38
23.917	0.00	0.80	1.335	O	|	|	|	3.37
24.000	0.00	0.80	1.329	O	|	|	|	3.36
24.083	0.00	0.80	1.324	O	|	|	|	3.35
24.167	0.00	0.79	1.318	O	|	|	|	3.34
24.250	0.00	0.79	1.313	O	|	|	|	3.33
24.333	0.00	0.79	1.307	O	|	|	|	3.31
24.417	0.00	0.79	1.302	O	|	|	|	3.30
24.500	0.00	0.79	1.297	O	|	|	|	3.29
24.583	0.00	0.79	1.291	O	|	|	|	3.28
24.667	0.00	0.79	1.286	O	|	|	|	3.27
24.750	0.00	0.78	1.280	O	|	|	|	3.26
24.833	0.00	0.78	1.275	O	|	|	|	3.25
24.917	0.00	0.78	1.270	O	|	|	|	3.24
25.000	0.00	0.78	1.264	O	|	|	|	3.23
25.083	0.00	0.78	1.259	O	|	|	|	3.22
25.167	0.00	0.78	1.253	O	|	|	|	3.21
25.250	0.00	0.78	1.248	O	|	|	|	3.20
25.333	0.00	0.77	1.243	O	|	|	|	3.19
25.417	0.00	0.77	1.237	O	|	|	|	3.17
25.500	0.00	0.77	1.232	O	|	|	|	3.16
25.583	0.00	0.77	1.227	O	|	|	|	3.15
25.667	0.00	0.77	1.222	O	|	|	|	3.14
25.750	0.00	0.77	1.216	O	|	|	|	3.13
25.833	0.00	0.77	1.211	O	|	|	|	3.12
25.917	0.00	0.76	1.206	O	|	|	|	3.11
26.000	0.00	0.76	1.200	O	|	|	|	3.10
26.083	0.00	0.76	1.195	O	|	|	|	3.09
26.167	0.00	0.76	1.190	O	|	|	|	3.08
26.250	0.00	0.76	1.185	O	|	|	|	3.07
26.333	0.00	0.76	1.179	O	|	|	|	3.06
26.417	0.00	0.76	1.174	O	|	|	|	3.05
26.500	0.00	0.75	1.169	O	|	|	|	3.04
26.583	0.00	0.75	1.164	O	|	|	|	3.03
26.667	0.00	0.75	1.159	O	|	|	|	3.02
26.750	0.00	0.75	1.153	O	|	|	|	3.01
26.833	0.00	0.75	1.148	O	|	|	|	3.00
26.917	0.00	0.75	1.143	O	|	|	|	2.98
27.000	0.00	0.75	1.138	O	|	|	|	2.97
27.083	0.00	0.74	1.133	O	|	|	|	2.96
27.167	0.00	0.74	1.128	O	|	|	|	2.95
27.250	0.00	0.74	1.123	O	|	|	|	2.94
27.333	0.00	0.74	1.118	O	|	|	|	2.92
27.417	0.00	0.74	1.113	O	|	|	|	2.91
27.500	0.00	0.73	1.107	O	|	|	|	2.90
27.583	0.00	0.73	1.102	O	|	|	|	2.89
27.667	0.00	0.73	1.097	O	|	|	|	2.88
27.750	0.00	0.73	1.092	O	|	|	|	2.87
27.833	0.00	0.73	1.087	O	|	|	|	2.85
27.917	0.00	0.72	1.082	O	|	|	|	2.84
28.000	0.00	0.72	1.077	O	|	|	|	2.83

28.083	0.00	0.72	1.072	O	|	|	|	|	2.82
28.167	0.00	0.72	1.068	O	|	|	|	|	2.81
28.250	0.00	0.72	1.063	O	|	|	|	|	2.80
28.333	0.00	0.71	1.058	O	|	|	|	|	2.79
28.417	0.00	0.71	1.053	O	|	|	|	|	2.77
28.500	0.00	0.71	1.048	O	|	|	|	|	2.76
28.583	0.00	0.71	1.043	O	|	|	|	|	2.75
28.667	0.00	0.71	1.038	O	|	|	|	|	2.74
28.750	0.00	0.70	1.033	O	|	|	|	|	2.73
28.833	0.00	0.70	1.028	O	|	|	|	|	2.72
28.917	0.00	0.70	1.024	O	|	|	|	|	2.71
29.000	0.00	0.70	1.019	O	|	|	|	|	2.69
29.083	0.00	0.70	1.014	O	|	|	|	|	2.68
29.167	0.00	0.69	1.009	O	|	|	|	|	2.67
29.250	0.00	0.69	1.004	O	|	|	|	|	2.66
29.333	0.00	0.69	1.000	O	|	|	|	|	2.65
29.417	0.00	0.69	0.995	O	|	|	|	|	2.64
29.500	0.00	0.69	0.990	O	|	|	|	|	2.63
29.583	0.00	0.68	0.985	O	|	|	|	|	2.62
29.667	0.00	0.68	0.981	O	|	|	|	|	2.61
29.750	0.00	0.68	0.976	O	|	|	|	|	2.60
29.833	0.00	0.68	0.971	O	|	|	|	|	2.58
29.917	0.00	0.68	0.967	O	|	|	|	|	2.57
30.000	0.00	0.68	0.962	O	|	|	|	|	2.56
30.083	0.00	0.67	0.957	O	|	|	|	|	2.55
30.167	0.00	0.67	0.953	O	|	|	|	|	2.54
30.250	0.00	0.67	0.948	O	|	|	|	|	2.53
30.333	0.00	0.67	0.944	O	|	|	|	|	2.52
30.417	0.00	0.67	0.939	O	|	|	|	|	2.51
30.500	0.00	0.66	0.934	O	|	|	|	|	2.50
30.583	0.00	0.66	0.930	O	|	|	|	|	2.49
30.667	0.00	0.66	0.925	O	|	|	|	|	2.48
30.750	0.00	0.66	0.921	O	|	|	|	|	2.47
30.833	0.00	0.66	0.916	O	|	|	|	|	2.46
30.917	0.00	0.66	0.912	O	|	|	|	|	2.45
31.000	0.00	0.65	0.907	O	|	|	|	|	2.44
31.083	0.00	0.65	0.903	O	|	|	|	|	2.42
31.167	0.00	0.65	0.898	O	|	|	|	|	2.41
31.250	0.00	0.65	0.894	O	|	|	|	|	2.40
31.333	0.00	0.65	0.889	O	|	|	|	|	2.39
31.417	0.00	0.65	0.885	O	|	|	|	|	2.38
31.500	0.00	0.64	0.880	O	|	|	|	|	2.37
31.583	0.00	0.64	0.876	O	|	|	|	|	2.36
31.667	0.00	0.64	0.871	O	|	|	|	|	2.35
31.750	0.00	0.64	0.867	O	|	|	|	|	2.34
31.833	0.00	0.64	0.863	O	|	|	|	|	2.33
31.917	0.00	0.63	0.858	O	|	|	|	|	2.32
32.000	0.00	0.63	0.854	O	|	|	|	|	2.31
32.083	0.00	0.63	0.850	O	|	|	|	|	2.30
32.167	0.00	0.63	0.845	O	|	|	|	|	2.29
32.250	0.00	0.63	0.841	O	|	|	|	|	2.28
32.333	0.00	0.63	0.837	O	|	|	|	|	2.27
32.417	0.00	0.62	0.832	O	|	|	|	|	2.26
32.500	0.00	0.62	0.828	O	|	|	|	|	2.25
32.583	0.00	0.62	0.824	O	|	|	|	|	2.24
32.667	0.00	0.62	0.819	O	|	|	|	|	2.23
32.750	0.00	0.62	0.815	O	|	|	|	|	2.22
32.833	0.00	0.62	0.811	O	|	|	|	|	2.21
32.917	0.00	0.61	0.807	O	|	|	|	|	2.20
33.000	0.00	0.61	0.802	O	|	|	|	|	2.19
33.083	0.00	0.61	0.798	O	|	|	|	|	2.18
33.167	0.00	0.61	0.794	O	|	|	|	|	2.17
33.250	0.00	0.61	0.790	O	|	|	|	|	2.16
33.333	0.00	0.61	0.786	O	|	|	|	|	2.15
33.417	0.00	0.60	0.781	O	|	|	|	|	2.14
33.500	0.00	0.60	0.777	O	|	|	|	|	2.13
33.583	0.00	0.60	0.773	O	|	|	|	|	2.12

33.667	0.00	0.60	0.769	O	|	|	|	2.11
33.750	0.00	0.60	0.765	O	|	|	|	2.10
33.833	0.00	0.60	0.761	O	|	|	|	2.09
33.917	0.00	0.59	0.757	O	|	|	|	2.09
34.000	0.00	0.59	0.753	O	|	|	|	2.08
34.083	0.00	0.59	0.749	O	|	|	|	2.07
34.167	0.00	0.59	0.744	O	|	|	|	2.06
34.250	0.00	0.59	0.740	O	|	|	|	2.05
34.333	0.00	0.59	0.736	O	|	|	|	2.04
34.417	0.00	0.58	0.732	O	|	|	|	2.03
34.500	0.00	0.58	0.728	O	|	|	|	2.02
34.583	0.00	0.58	0.724	O	|	|	|	2.01
34.667	0.00	0.58	0.720	O	|	|	|	2.00
34.750	0.00	0.58	0.716	O	|	|	|	1.99
34.833	0.00	0.58	0.712	O	|	|	|	1.98
34.917	0.00	0.57	0.708	O	|	|	|	1.97
35.000	0.00	0.57	0.704	O	|	|	|	1.96
35.083	0.00	0.57	0.701	O	|	|	|	1.95
35.167	0.00	0.57	0.697	O	|	|	|	1.94
35.250	0.00	0.56	0.693	O	|	|	|	1.93
35.333	0.00	0.56	0.689	O	|	|	|	1.92
35.417	0.00	0.56	0.685	O	|	|	|	1.91
35.500	0.00	0.56	0.681	O	|	|	|	1.90
35.583	0.00	0.56	0.677	O	|	|	|	1.89
35.667	0.00	0.55	0.673	O	|	|	|	1.88
35.750	0.00	0.55	0.670	O	|	|	|	1.87
35.833	0.00	0.55	0.666	O	|	|	|	1.86
35.917	0.00	0.55	0.662	O	|	|	|	1.85
36.000	0.00	0.55	0.658	O	|	|	|	1.84
36.083	0.00	0.54	0.655	O	|	|	|	1.83
36.167	0.00	0.54	0.651	O	|	|	|	1.82
36.250	0.00	0.54	0.647	O	|	|	|	1.81
36.333	0.00	0.54	0.643	O	|	|	|	1.80
36.417	0.00	0.53	0.640	O	|	|	|	1.79
36.500	0.00	0.53	0.636	O	|	|	|	1.78
36.583	0.00	0.53	0.632	O	|	|	|	1.78
36.667	0.00	0.53	0.629	O	|	|	|	1.77
36.750	0.00	0.53	0.625	O	|	|	|	1.76
36.833	0.00	0.52	0.622	O	|	|	|	1.75
36.917	0.00	0.52	0.618	O	|	|	|	1.74
37.000	0.00	0.52	0.614	O	|	|	|	1.73
37.083	0.00	0.52	0.611	O	|	|	|	1.72
37.167	0.00	0.52	0.607	O	|	|	|	1.71
37.250	0.00	0.51	0.604	O	|	|	|	1.70
37.333	0.00	0.51	0.600	O	|	|	|	1.69
37.417	0.00	0.51	0.597	O	|	|	|	1.68
37.500	0.00	0.51	0.593	O	|	|	|	1.67
37.583	0.00	0.51	0.590	O	|	|	|	1.67
37.667	0.00	0.50	0.586	O	|	|	|	1.66
37.750	0.00	0.50	0.583	O	|	|	|	1.65
37.833	0.00	0.50	0.579	O	|	|	|	1.64
37.917	0.00	0.50	0.576	O	|	|	|	1.63
38.000	0.00	0.50	0.572	O	|	|	|	1.62
38.083	0.00	0.49	0.569	O	|	|	|	1.61
38.167	0.00	0.49	0.565	O	|	|	|	1.60
38.250	0.00	0.49	0.562	O	|	|	|	1.60
38.333	0.00	0.49	0.559	O	|	|	|	1.59
38.417	0.00	0.49	0.555	O	|	|	|	1.58
38.500	0.00	0.49	0.552	O	|	|	|	1.57
38.583	0.00	0.48	0.549	O	|	|	|	1.56
38.667	0.00	0.48	0.545	O	|	|	|	1.55
38.750	0.00	0.48	0.542	O	|	|	|	1.54
38.833	0.00	0.48	0.539	O	|	|	|	1.54
38.917	0.00	0.48	0.535	O	|	|	|	1.53
39.000	0.00	0.47	0.532	O	|	|	|	1.52
39.083	0.00	0.47	0.529	O	|	|	|	1.51
39.167	0.00	0.47	0.526	O	|	|	|	1.50

39.250	0.00	0.47	0.522	O	|	|	|	1.49
39.333	0.00	0.47	0.519	O	|	|	|	1.49
39.417	0.00	0.46	0.516	O	|	|	|	1.48
39.500	0.00	0.46	0.513	O	|	|	|	1.47
39.583	0.00	0.46	0.510	O	|	|	|	1.46
39.667	0.00	0.46	0.506	O	|	|	|	1.45
39.750	0.00	0.46	0.503	O	|	|	|	1.44
39.833	0.00	0.46	0.500	O	|	|	|	1.44
39.917	0.00	0.45	0.497	O	|	|	|	1.43
40.000	0.00	0.45	0.494	O	|	|	|	1.42
40.083	0.00	0.45	0.491	O	|	|	|	1.41
40.167	0.00	0.45	0.488	O	|	|	|	1.40
40.250	0.00	0.45	0.485	O	|	|	|	1.40
40.333	0.00	0.45	0.482	O	|	|	|	1.39
40.417	0.00	0.44	0.478	O	|	|	|	1.38
40.500	0.00	0.44	0.475	O	|	|	|	1.37
40.583	0.00	0.44	0.472	O	|	|	|	1.37
40.667	0.00	0.44	0.469	O	|	|	|	1.36
40.750	0.00	0.44	0.466	O	|	|	|	1.35
40.833	0.00	0.44	0.463	O	|	|	|	1.34
40.917	0.00	0.43	0.460	O	|	|	|	1.33
41.000	0.00	0.43	0.457	O	|	|	|	1.33
41.083	0.00	0.43	0.454	O	|	|	|	1.32
41.167	0.00	0.43	0.451	O	|	|	|	1.31
41.250	0.00	0.43	0.448	O	|	|	|	1.30
41.333	0.00	0.43	0.446	O	|	|	|	1.30
41.417	0.00	0.42	0.443	O	|	|	|	1.29
41.500	0.00	0.42	0.440	O	|	|	|	1.28
41.583	0.00	0.42	0.437	O	|	|	|	1.27
41.667	0.00	0.42	0.434	O	|	|	|	1.27
41.750	0.00	0.42	0.431	O	|	|	|	1.26
41.833	0.00	0.42	0.428	O	|	|	|	1.25
41.917	0.00	0.41	0.425	O	|	|	|	1.24
42.000	0.00	0.41	0.422	O	|	|	|	1.24
42.083	0.00	0.41	0.420	O	|	|	|	1.23
42.167	0.00	0.41	0.417	O	|	|	|	1.22
42.250	0.00	0.41	0.414	O	|	|	|	1.22
42.333	0.00	0.41	0.411	O	|	|	|	1.21
42.417	0.00	0.40	0.408	O	|	|	|	1.20
42.500	0.00	0.40	0.406	O	|	|	|	1.19
42.583	0.00	0.40	0.403	O	|	|	|	1.19
42.667	0.00	0.40	0.400	O	|	|	|	1.18
42.750	0.00	0.40	0.397	O	|	|	|	1.17
42.833	0.00	0.40	0.395	O	|	|	|	1.17
42.917	0.00	0.39	0.392	O	|	|	|	1.16
43.000	0.00	0.39	0.389	O	|	|	|	1.15
43.083	0.00	0.39	0.387	O	|	|	|	1.14
43.167	0.00	0.39	0.384	O	|	|	|	1.14
43.250	0.00	0.39	0.381	O	|	|	|	1.13
43.333	0.00	0.39	0.378	O	|	|	|	1.12
43.417	0.00	0.39	0.376	O	|	|	|	1.12
43.500	0.00	0.38	0.373	O	|	|	|	1.11
43.583	0.00	0.38	0.371	O	|	|	|	1.10
43.667	0.00	0.38	0.368	O	|	|	|	1.10
43.750	0.00	0.38	0.365	O	|	|	|	1.09
43.833	0.00	0.38	0.363	O	|	|	|	1.08
43.917	0.00	0.38	0.360	O	|	|	|	1.08
44.000	0.00	0.38	0.357	O	|	|	|	1.07
44.083	0.00	0.37	0.355	O	|	|	|	1.06
44.167	0.00	0.37	0.352	O	|	|	|	1.06
44.250	0.00	0.37	0.350	O	|	|	|	1.05
44.333	0.00	0.37	0.347	O	|	|	|	1.04
44.417	0.00	0.37	0.345	O	|	|	|	1.04
44.500	0.00	0.37	0.342	O	|	|	|	1.03
44.583	0.00	0.37	0.340	O	|	|	|	1.02
44.667	0.00	0.36	0.337	O	|	|	|	1.02
44.750	0.00	0.36	0.335	O	|	|	|	1.01

44.833	0.00	0.36	0.332	O	|	|	|	1.01
44.917	0.00	0.36	0.330	O	|	|	|	1.00
45.000	0.00	0.36	0.327	O	|	|	|	0.99
45.083	0.00	0.35	0.325	O	|	|	|	0.98
45.167	0.00	0.35	0.322	O	|	|	|	0.98
45.250	0.00	0.35	0.320	O	|	|	|	0.97
45.333	0.00	0.35	0.317	O	|	|	|	0.96
45.417	0.00	0.34	0.315	O	|	|	|	0.95
45.500	0.00	0.34	0.313	O	|	|	|	0.95
45.583	0.00	0.34	0.310	O	|	|	|	0.94
45.667	0.00	0.34	0.308	O	|	|	|	0.93
45.750	0.00	0.33	0.306	O	|	|	|	0.93
45.833	0.00	0.33	0.303	O	|	|	|	0.92
45.917	0.00	0.33	0.301	O	|	|	|	0.91
46.000	0.00	0.33	0.299	O	|	|	|	0.91
46.083	0.00	0.32	0.297	O	|	|	|	0.90
46.167	0.00	0.32	0.294	O	|	|	|	0.89
46.250	0.00	0.32	0.292	O	|	|	|	0.89
46.333	0.00	0.32	0.290	O	|	|	|	0.88
46.417	0.00	0.31	0.288	O	|	|	|	0.87
46.500	0.00	0.31	0.286	O	|	|	|	0.87
46.583	0.00	0.31	0.284	O	|	|	|	0.86
46.667	0.00	0.31	0.281	O	|	|	|	0.85
46.750	0.00	0.30	0.279	O	|	|	|	0.85
46.833	0.00	0.30	0.277	O	|	|	|	0.84
46.917	0.00	0.30	0.275	O	|	|	|	0.83
47.000	0.00	0.30	0.273	O	|	|	|	0.83
47.083	0.00	0.30	0.271	O	|	|	|	0.82
47.167	0.00	0.29	0.269	O	|	|	|	0.82
47.250	0.00	0.29	0.267	O	|	|	|	0.81
47.333	0.00	0.29	0.265	O	|	|	|	0.80
47.417	0.00	0.29	0.263	O	|	|	|	0.80
47.500	0.00	0.28	0.261	O	|	|	|	0.79
47.583	0.00	0.28	0.259	O	|	|	|	0.79
47.667	0.00	0.28	0.257	O	|	|	|	0.78
47.750	0.00	0.28	0.255	O	|	|	|	0.77
47.833	0.00	0.28	0.253	O	|	|	|	0.77
47.917	0.00	0.27	0.251	O	|	|	|	0.76
48.000	0.00	0.27	0.250	O	|	|	|	0.76
48.083	0.00	0.27	0.248	O	|	|	|	0.75
48.167	0.00	0.27	0.246	O	|	|	|	0.75
48.250	0.00	0.27	0.244	O	|	|	|	0.74
48.333	0.00	0.26	0.242	O	|	|	|	0.73
48.417	0.00	0.26	0.240	O	|	|	|	0.73
48.500	0.00	0.26	0.239	O	|	|	|	0.72
48.583	0.00	0.26	0.237	O	|	|	|	0.72
48.667	0.00	0.26	0.235	O	|	|	|	0.71
48.750	0.00	0.25	0.233	O	|	|	|	0.71
48.833	0.00	0.25	0.232	O	|	|	|	0.70
48.917	0.00	0.25	0.230	O	|	|	|	0.70
49.000	0.00	0.25	0.228	O	|	|	|	0.69
49.083	0.00	0.25	0.226	O	|	|	|	0.69
49.167	0.00	0.25	0.225	O	|	|	|	0.68
49.250	0.00	0.24	0.223	O	|	|	|	0.68
49.333	0.00	0.24	0.221	O	|	|	|	0.67
49.417	0.00	0.24	0.220	O	|	|	|	0.67
49.500	0.00	0.24	0.218	O	|	|	|	0.66
49.583	0.00	0.24	0.216	O	|	|	|	0.66
49.667	0.00	0.23	0.215	O	|	|	|	0.65
49.750	0.00	0.23	0.213	O	|	|	|	0.65
49.833	0.00	0.23	0.212	O	|	|	|	0.64
49.917	0.00	0.23	0.210	O	|	|	|	0.64
50.000	0.00	0.23	0.208	O	|	|	|	0.63
50.083	0.00	0.23	0.207	O	|	|	|	0.63
50.167	0.00	0.22	0.205	O	|	|	|	0.62
50.250	0.00	0.22	0.204	O	|	|	|	0.62
50.333	0.00	0.22	0.202	O	|	|	|	0.61

50.417	0.00	0.22	0.201	O	|	|	|	|	0.61
50.500	0.00	0.22	0.199	O	|	|	|	|	0.60
50.583	0.00	0.22	0.198	O	|	|	|	|	0.60
50.667	0.00	0.21	0.196	O	|	|	|	|	0.59
50.750	0.00	0.21	0.195	O	|	|	|	|	0.59
50.833	0.00	0.21	0.193	O	|	|	|	|	0.59
50.917	0.00	0.21	0.192	O	|	|	|	|	0.58
51.000	0.00	0.21	0.190	O	|	|	|	|	0.58
51.083	0.00	0.21	0.189	O	|	|	|	|	0.57
51.167	0.00	0.20	0.188	O	|	|	|	|	0.57
51.250	0.00	0.20	0.186	O	|	|	|	|	0.56
51.333	0.00	0.20	0.185	O	|	|	|	|	0.56
51.417	0.00	0.20	0.183	O	|	|	|	|	0.56
51.500	0.00	0.20	0.182	O	|	|	|	|	0.55
51.583	0.00	0.20	0.181	O	|	|	|	|	0.55
51.667	0.00	0.20	0.179	O	|	|	|	|	0.54
51.750	0.00	0.19	0.178	O	|	|	|	|	0.54
51.833	0.00	0.19	0.177	O	|	|	|	|	0.54
51.917	0.00	0.19	0.175	O	|	|	|	|	0.53
52.000	0.00	0.19	0.174	O	|	|	|	|	0.53
52.083	0.00	0.19	0.173	O	|	|	|	|	0.52
52.167	0.00	0.19	0.171	O	|	|	|	|	0.52
52.250	0.00	0.19	0.170	O	|	|	|	|	0.52
52.333	0.00	0.18	0.169	O	|	|	|	|	0.51
52.417	0.00	0.18	0.168	O	|	|	|	|	0.51
52.500	0.00	0.18	0.166	O	|	|	|	|	0.50
52.583	0.00	0.18	0.165	O	|	|	|	|	0.50
52.667	0.00	0.18	0.164	O	|	|	|	|	0.50
52.750	0.00	0.18	0.163	O	|	|	|	|	0.49
52.833	0.00	0.18	0.161	O	|	|	|	|	0.49
52.917	0.00	0.17	0.160	O	|	|	|	|	0.49
53.000	0.00	0.17	0.159	O	|	|	|	|	0.48
53.083	0.00	0.17	0.158	O	|	|	|	|	0.48
53.167	0.00	0.17	0.157	O	|	|	|	|	0.47
53.250	0.00	0.17	0.155	O	|	|	|	|	0.47
53.333	0.00	0.17	0.154	O	|	|	|	|	0.47
53.417	0.00	0.17	0.153	O	|	|	|	|	0.46
53.500	0.00	0.17	0.152	O	|	|	|	|	0.46
53.583	0.00	0.16	0.151	O	|	|	|	|	0.46
53.667	0.00	0.16	0.150	O	|	|	|	|	0.45
53.750	0.00	0.16	0.149	O	|	|	|	|	0.45
53.833	0.00	0.16	0.148	O	|	|	|	|	0.45
53.917	0.00	0.16	0.146	O	|	|	|	|	0.44
54.000	0.00	0.16	0.145	O	|	|	|	|	0.44
54.083	0.00	0.16	0.144	O	|	|	|	|	0.44
54.167	0.00	0.16	0.143	O	|	|	|	|	0.43
54.250	0.00	0.16	0.142	O	|	|	|	|	0.43
54.333	0.00	0.15	0.141	O	|	|	|	|	0.43
54.417	0.00	0.15	0.140	O	|	|	|	|	0.42
54.500	0.00	0.15	0.139	O	|	|	|	|	0.42
54.583	0.00	0.15	0.138	O	|	|	|	|	0.42
54.667	0.00	0.15	0.137	O	|	|	|	|	0.41
54.750	0.00	0.15	0.136	O	|	|	|	|	0.41
54.833	0.00	0.15	0.135	O	|	|	|	|	0.41
54.917	0.00	0.15	0.134	O	|	|	|	|	0.41
55.000	0.00	0.14	0.133	O	|	|	|	|	0.40
55.083	0.00	0.14	0.132	O	|	|	|	|	0.40
55.167	0.00	0.14	0.131	O	|	|	|	|	0.40
55.250	0.00	0.14	0.130	O	|	|	|	|	0.39
55.333	0.00	0.14	0.129	O	|	|	|	|	0.39
55.417	0.00	0.14	0.128	O	|	|	|	|	0.39
55.500	0.00	0.14	0.127	O	|	|	|	|	0.38
55.583	0.00	0.14	0.126	O	|	|	|	|	0.38
55.667	0.00	0.14	0.125	O	|	|	|	|	0.38
55.750	0.00	0.14	0.124	O	|	|	|	|	0.38
55.833	0.00	0.13	0.123	O	|	|	|	|	0.37
55.917	0.00	0.13	0.122	O	|	|	|	|	0.37

56.000	0.00	0.13	0.121	O	|	|	|	|	0.37
56.083	0.00	0.13	0.120	O	|	|	|	|	0.36
56.167	0.00	0.13	0.120	O	|	|	|	|	0.36
56.250	0.00	0.13	0.119	O	|	|	|	|	0.36
56.333	0.00	0.13	0.118	O	|	|	|	|	0.36
56.417	0.00	0.13	0.117	O	|	|	|	|	0.35
56.500	0.00	0.13	0.116	O	|	|	|	|	0.35
56.583	0.00	0.13	0.115	O	|	|	|	|	0.35
56.667	0.00	0.12	0.114	O	|	|	|	|	0.35
56.750	0.00	0.12	0.113	O	|	|	|	|	0.34
56.833	0.00	0.12	0.113	O	|	|	|	|	0.34
56.917	0.00	0.12	0.112	O	|	|	|	|	0.34
57.000	0.00	0.12	0.111	O	|	|	|	|	0.34
57.083	0.00	0.12	0.110	O	|	|	|	|	0.33
57.167	0.00	0.12	0.109	O	|	|	|	|	0.33
57.250	0.00	0.12	0.108	O	|	|	|	|	0.33
57.333	0.00	0.12	0.108	O	|	|	|	|	0.33
57.417	0.00	0.12	0.107	O	|	|	|	|	0.32
57.500	0.00	0.12	0.106	O	|	|	|	|	0.32
57.583	0.00	0.11	0.105	O	|	|	|	|	0.32
57.667	0.00	0.11	0.104	O	|	|	|	|	0.32
57.750	0.00	0.11	0.104	O	|	|	|	|	0.31
57.833	0.00	0.11	0.103	O	|	|	|	|	0.31
57.917	0.00	0.11	0.102	O	|	|	|	|	0.31
58.000	0.00	0.11	0.101	O	|	|	|	|	0.31
58.083	0.00	0.11	0.101	O	|	|	|	|	0.30
58.167	0.00	0.11	0.100	O	|	|	|	|	0.30
58.250	0.00	0.11	0.099	O	|	|	|	|	0.30
58.333	0.00	0.11	0.098	O	|	|	|	|	0.30
58.417	0.00	0.11	0.098	O	|	|	|	|	0.30
58.500	0.00	0.11	0.097	O	|	|	|	|	0.29
58.583	0.00	0.10	0.096	O	|	|	|	|	0.29
58.667	0.00	0.10	0.095	O	|	|	|	|	0.29
58.750	0.00	0.10	0.095	O	|	|	|	|	0.29
58.833	0.00	0.10	0.094	O	|	|	|	|	0.28
58.917	0.00	0.10	0.093	O	|	|	|	|	0.28
59.000	0.00	0.10	0.093	O	|	|	|	|	0.28
59.083	0.00	0.10	0.092	O	|	|	|	|	0.28
59.167	0.00	0.10	0.091	O	|	|	|	|	0.28
59.250	0.00	0.10	0.091	O	|	|	|	|	0.27
59.333	0.00	0.10	0.090	O	|	|	|	|	0.27
59.417	0.00	0.10	0.089	O	|	|	|	|	0.27
59.500	0.00	0.10	0.089	O	|	|	|	|	0.27
59.583	0.00	0.10	0.088	O	|	|	|	|	0.27
59.667	0.00	0.10	0.087	O	|	|	|	|	0.26
59.750	0.00	0.09	0.087	O	|	|	|	|	0.26
59.833	0.00	0.09	0.086	O	|	|	|	|	0.26
59.917	0.00	0.09	0.085	O	|	|	|	|	0.26
60.000	0.00	0.09	0.085	O	|	|	|	|	0.26
60.083	0.00	0.09	0.084	O	|	|	|	|	0.25
60.167	0.00	0.09	0.083	O	|	|	|	|	0.25
60.250	0.00	0.09	0.083	O	|	|	|	|	0.25
60.333	0.00	0.09	0.082	O	|	|	|	|	0.25
60.417	0.00	0.09	0.081	O	|	|	|	|	0.25
60.500	0.00	0.09	0.081	O	|	|	|	|	0.25
60.583	0.00	0.09	0.080	O	|	|	|	|	0.24
60.667	0.00	0.09	0.080	O	|	|	|	|	0.24
60.750	0.00	0.09	0.079	O	|	|	|	|	0.24
60.833	0.00	0.09	0.078	O	|	|	|	|	0.24
60.917	0.00	0.08	0.078	O	|	|	|	|	0.24
61.000	0.00	0.08	0.077	O	|	|	|	|	0.23
61.083	0.00	0.08	0.077	O	|	|	|	|	0.23
61.167	0.00	0.08	0.076	O	|	|	|	|	0.23
61.250	0.00	0.08	0.076	O	|	|	|	|	0.23
61.333	0.00	0.08	0.075	O	|	|	|	|	0.23
61.417	0.00	0.08	0.074	O	|	|	|	|	0.23
61.500	0.00	0.08	0.074	O	|	|	|	|	0.22

61.583	0.00	0.08	0.073	O	|	|	|	|	0.22
61.667	0.00	0.08	0.073	O	|	|	|	|	0.22
61.750	0.00	0.08	0.072	O	|	|	|	|	0.22
61.833	0.00	0.08	0.072	O	|	|	|	|	0.22
61.917	0.00	0.08	0.071	O	|	|	|	|	0.22
62.000	0.00	0.08	0.071	O	|	|	|	|	0.21
62.083	0.00	0.08	0.070	O	|	|	|	|	0.21
62.167	0.00	0.08	0.070	O	|	|	|	|	0.21
62.250	0.00	0.08	0.069	O	|	|	|	|	0.21
62.333	0.00	0.07	0.069	O	|	|	|	|	0.21
62.417	0.00	0.07	0.068	O	|	|	|	|	0.21
62.500	0.00	0.07	0.068	O	|	|	|	|	0.20
62.583	0.00	0.07	0.067	O	|	|	|	|	0.20
62.667	0.00	0.07	0.067	O	|	|	|	|	0.20
62.750	0.00	0.07	0.066	O	|	|	|	|	0.20
62.833	0.00	0.07	0.066	O	|	|	|	|	0.20
62.917	0.00	0.07	0.065	O	|	|	|	|	0.20
63.000	0.00	0.07	0.065	O	|	|	|	|	0.20
63.083	0.00	0.07	0.064	O	|	|	|	|	0.19
63.167	0.00	0.07	0.064	O	|	|	|	|	0.19
63.250	0.00	0.07	0.063	O	|	|	|	|	0.19
63.333	0.00	0.07	0.063	O	|	|	|	|	0.19
63.417	0.00	0.07	0.062	O	|	|	|	|	0.19
63.500	0.00	0.07	0.062	O	|	|	|	|	0.19
63.583	0.00	0.07	0.061	O	|	|	|	|	0.19
63.667	0.00	0.07	0.061	O	|	|	|	|	0.18
63.750	0.00	0.07	0.060	O	|	|	|	|	0.18
63.833	0.00	0.07	0.060	O	|	|	|	|	0.18
63.917	0.00	0.06	0.059	O	|	|	|	|	0.18
64.000	0.00	0.06	0.059	O	|	|	|	|	0.18
64.083	0.00	0.06	0.059	O	|	|	|	|	0.18
64.167	0.00	0.06	0.058	O	|	|	|	|	0.18
64.250	0.00	0.06	0.058	O	|	|	|	|	0.17
64.333	0.00	0.06	0.057	O	|	|	|	|	0.17
64.417	0.00	0.06	0.057	O	|	|	|	|	0.17
64.500	0.00	0.06	0.056	O	|	|	|	|	0.17
64.583	0.00	0.06	0.056	O	|	|	|	|	0.17
64.667	0.00	0.06	0.056	O	|	|	|	|	0.17
64.750	0.00	0.06	0.055	O	|	|	|	|	0.17
64.833	0.00	0.06	0.055	O	|	|	|	|	0.17
64.917	0.00	0.06	0.054	O	|	|	|	|	0.16
65.000	0.00	0.06	0.054	O	|	|	|	|	0.16
65.083	0.00	0.06	0.054	O	|	|	|	|	0.16
65.167	0.00	0.06	0.053	O	|	|	|	|	0.16
65.250	0.00	0.06	0.053	O	|	|	|	|	0.16
65.333	0.00	0.06	0.052	O	|	|	|	|	0.16
65.417	0.00	0.06	0.052	O	|	|	|	|	0.16
65.500	0.00	0.06	0.052	O	|	|	|	|	0.16
65.583	0.00	0.06	0.051	O	|	|	|	|	0.15
65.667	0.00	0.06	0.051	O	|	|	|	|	0.15
65.750	0.00	0.05	0.050	O	|	|	|	|	0.15
65.833	0.00	0.05	0.050	O	|	|	|	|	0.15
65.917	0.00	0.05	0.050	O	|	|	|	|	0.15
66.000	0.00	0.05	0.049	O	|	|	|	|	0.15
66.083	0.00	0.05	0.049	O	|	|	|	|	0.15
66.167	0.00	0.05	0.049	O	|	|	|	|	0.15
66.250	0.00	0.05	0.048	O	|	|	|	|	0.15
66.333	0.00	0.05	0.048	O	|	|	|	|	0.14
66.417	0.00	0.05	0.047	O	|	|	|	|	0.14
66.500	0.00	0.05	0.047	O	|	|	|	|	0.14
66.583	0.00	0.05	0.047	O	|	|	|	|	0.14
66.667	0.00	0.05	0.046	O	|	|	|	|	0.14
66.750	0.00	0.05	0.046	O	|	|	|	|	0.14
66.833	0.00	0.05	0.046	O	|	|	|	|	0.14
66.917	0.00	0.05	0.045	O	|	|	|	|	0.14
67.000	0.00	0.05	0.045	O	|	|	|	|	0.14
67.083	0.00	0.05	0.045	O	|	|	|	|	0.14

67.167	0.00	0.05	0.044	O	|	|	|	0.13
67.250	0.00	0.05	0.044	O	|	|	|	0.13
67.333	0.00	0.05	0.044	O	|	|	|	0.13
67.417	0.00	0.05	0.043	O	|	|	|	0.13
67.500	0.00	0.05	0.043	O	|	|	|	0.13
67.583	0.00	0.05	0.043	O	|	|	|	0.13
67.667	0.00	0.05	0.042	O	|	|	|	0.13
67.750	0.00	0.05	0.042	O	|	|	|	0.13
67.833	0.00	0.05	0.042	O	|	|	|	0.13
67.917	0.00	0.05	0.041	O	|	|	|	0.13
68.000	0.00	0.04	0.041	O	|	|	|	0.12
68.083	0.00	0.04	0.041	O	|	|	|	0.12
68.167	0.00	0.04	0.041	O	|	|	|	0.12
68.250	0.00	0.04	0.040	O	|	|	|	0.12
68.333	0.00	0.04	0.040	O	|	|	|	0.12
68.417	0.00	0.04	0.040	O	|	|	|	0.12
68.500	0.00	0.04	0.039	O	|	|	|	0.12
68.583	0.00	0.04	0.039	O	|	|	|	0.12
68.667	0.00	0.04	0.039	O	|	|	|	0.12
68.750	0.00	0.04	0.038	O	|	|	|	0.12
68.833	0.00	0.04	0.038	O	|	|	|	0.12
68.917	0.00	0.04	0.038	O	|	|	|	0.11
69.000	0.00	0.04	0.038	O	|	|	|	0.11
69.083	0.00	0.04	0.037	O	|	|	|	0.11
69.167	0.00	0.04	0.037	O	|	|	|	0.11
69.250	0.00	0.04	0.037	O	|	|	|	0.11
69.333	0.00	0.04	0.036	O	|	|	|	0.11
69.417	0.00	0.04	0.036	O	|	|	|	0.11
69.500	0.00	0.04	0.036	O	|	|	|	0.11
69.583	0.00	0.04	0.036	O	|	|	|	0.11
69.667	0.00	0.04	0.035	O	|	|	|	0.11
69.750	0.00	0.04	0.035	O	|	|	|	0.11
69.833	0.00	0.04	0.035	O	|	|	|	0.11
69.917	0.00	0.04	0.035	O	|	|	|	0.10
70.000	0.00	0.04	0.034	O	|	|	|	0.10
70.083	0.00	0.04	0.034	O	|	|	|	0.10
70.167	0.00	0.04	0.034	O	|	|	|	0.10
70.250	0.00	0.04	0.034	O	|	|	|	0.10
70.333	0.00	0.04	0.033	O	|	|	|	0.10
70.417	0.00	0.04	0.033	O	|	|	|	0.10
70.500	0.00	0.04	0.033	O	|	|	|	0.10
70.583	0.00	0.04	0.033	O	|	|	|	0.10
70.667	0.00	0.04	0.032	O	|	|	|	0.10
70.750	0.00	0.04	0.032	O	|	|	|	0.10
70.833	0.00	0.03	0.032	O	|	|	|	0.10
70.917	0.00	0.03	0.032	O	|	|	|	0.10
71.000	0.00	0.03	0.031	O	|	|	|	0.10
71.083	0.00	0.03	0.031	O	|	|	|	0.09
71.167	0.00	0.03	0.031	O	|	|	|	0.09
71.250	0.00	0.03	0.031	O	|	|	|	0.09
71.333	0.00	0.03	0.030	O	|	|	|	0.09
71.417	0.00	0.03	0.030	O	|	|	|	0.09
71.500	0.00	0.03	0.030	O	|	|	|	0.09
71.583	0.00	0.03	0.030	O	|	|	|	0.09
71.667	0.00	0.03	0.030	O	|	|	|	0.09
71.750	0.00	0.03	0.029	O	|	|	|	0.09
71.833	0.00	0.03	0.029	O	|	|	|	0.09
71.917	0.00	0.03	0.029	O	|	|	|	0.09
72.000	0.00	0.03	0.029	O	|	|	|	0.09
72.083	0.00	0.03	0.028	O	|	|	|	0.09
72.167	0.00	0.03	0.028	O	|	|	|	0.09
72.250	0.00	0.03	0.028	O	|	|	|	0.08
72.333	0.00	0.03	0.028	O	|	|	|	0.08
72.417	0.00	0.03	0.028	O	|	|	|	0.08
72.500	0.00	0.03	0.027	O	|	|	|	0.08
72.583	0.00	0.03	0.027	O	|	|	|	0.08
72.667	0.00	0.03	0.027	O	|	|	|	0.08

72.750	0.00	0.03	0.027	O	|	|	|	|	0.08
72.833	0.00	0.03	0.027	O	|	|	|	|	0.08
72.917	0.00	0.03	0.026	O	|	|	|	|	0.08
73.000	0.00	0.03	0.026	O	|	|	|	|	0.08
73.083	0.00	0.03	0.026	O	|	|	|	|	0.08
73.167	0.00	0.03	0.026	O	|	|	|	|	0.08
73.250	0.00	0.03	0.026	O	|	|	|	|	0.08
73.333	0.00	0.03	0.025	O	|	|	|	|	0.08
73.417	0.00	0.03	0.025	O	|	|	|	|	0.08
73.500	0.00	0.03	0.025	O	|	|	|	|	0.08
73.583	0.00	0.03	0.025	O	|	|	|	|	0.08
73.667	0.00	0.03	0.025	O	|	|	|	|	0.07
73.750	0.00	0.03	0.024	O	|	|	|	|	0.07
73.833	0.00	0.03	0.024	O	|	|	|	|	0.07
73.917	0.00	0.03	0.024	O	|	|	|	|	0.07
74.000	0.00	0.03	0.024	O	|	|	|	|	0.07
74.083	0.00	0.03	0.024	O	|	|	|	|	0.07
74.167	0.00	0.03	0.024	O	|	|	|	|	0.07
74.250	0.00	0.03	0.023	O	|	|	|	|	0.07
74.333	0.00	0.03	0.023	O	|	|	|	|	0.07
74.417	0.00	0.03	0.023	O	|	|	|	|	0.07
74.500	0.00	0.02	0.023	O	|	|	|	|	0.07
74.583	0.00	0.02	0.023	O	|	|	|	|	0.07
74.667	0.00	0.02	0.023	O	|	|	|	|	0.07
74.750	0.00	0.02	0.022	O	|	|	|	|	0.07
74.833	0.00	0.02	0.022	O	|	|	|	|	0.07
74.917	0.00	0.02	0.022	O	|	|	|	|	0.07
75.000	0.00	0.02	0.022	O	|	|	|	|	0.07
75.083	0.00	0.02	0.022	O	|	|	|	|	0.07
75.167	0.00	0.02	0.022	O	|	|	|	|	0.07
75.250	0.00	0.02	0.021	O	|	|	|	|	0.06
75.333	0.00	0.02	0.021	O	|	|	|	|	0.06
75.417	0.00	0.02	0.021	O	|	|	|	|	0.06
75.500	0.00	0.02	0.021	O	|	|	|	|	0.06
75.583	0.00	0.02	0.021	O	|	|	|	|	0.06
75.667	0.00	0.02	0.021	O	|	|	|	|	0.06
75.750	0.00	0.02	0.020	O	|	|	|	|	0.06
75.833	0.00	0.02	0.020	O	|	|	|	|	0.06
75.917	0.00	0.02	0.020	O	|	|	|	|	0.06
76.000	0.00	0.02	0.020	O	|	|	|	|	0.06
76.083	0.00	0.02	0.020	O	|	|	|	|	0.06
76.167	0.00	0.02	0.020	O	|	|	|	|	0.06
76.250	0.00	0.02	0.020	O	|	|	|	|	0.06
76.333	0.00	0.02	0.019	O	|	|	|	|	0.06
76.417	0.00	0.02	0.019	O	|	|	|	|	0.06
76.500	0.00	0.02	0.019	O	|	|	|	|	0.06
76.583	0.00	0.02	0.019	O	|	|	|	|	0.06
76.667	0.00	0.02	0.019	O	|	|	|	|	0.06
76.750	0.00	0.02	0.019	O	|	|	|	|	0.06
76.833	0.00	0.02	0.019	O	|	|	|	|	0.06
76.917	0.00	0.02	0.018	O	|	|	|	|	0.06
77.000	0.00	0.02	0.018	O	|	|	|	|	0.06
77.083	0.00	0.02	0.018	O	|	|	|	|	0.05
77.167	0.00	0.02	0.018	O	|	|	|	|	0.05
77.250	0.00	0.02	0.018	O	|	|	|	|	0.05
77.333	0.00	0.02	0.018	O	|	|	|	|	0.05
77.417	0.00	0.02	0.018	O	|	|	|	|	0.05
77.500	0.00	0.02	0.017	O	|	|	|	|	0.05
77.583	0.00	0.02	0.017	O	|	|	|	|	0.05
77.667	0.00	0.02	0.017	O	|	|	|	|	0.05
77.750	0.00	0.02	0.017	O	|	|	|	|	0.05
77.833	0.00	0.02	0.017	O	|	|	|	|	0.05
77.917	0.00	0.02	0.017	O	|	|	|	|	0.05
78.000	0.00	0.02	0.017	O	|	|	|	|	0.05
78.083	0.00	0.02	0.017	O	|	|	|	|	0.05
78.167	0.00	0.02	0.016	O	|	|	|	|	0.05
78.250	0.00	0.02	0.016	O	|	|	|	|	0.05

78.333	0.00	0.02	0.016	O	|	|	|	|	0.05
78.417	0.00	0.02	0.016	O	|	|	|	|	0.05
78.500	0.00	0.02	0.016	O	|	|	|	|	0.05
78.583	0.00	0.02	0.016	O	|	|	|	|	0.05
78.667	0.00	0.02	0.016	O	|	|	|	|	0.05
78.750	0.00	0.02	0.016	O	|	|	|	|	0.05
78.833	0.00	0.02	0.015	O	|	|	|	|	0.05
78.917	0.00	0.02	0.015	O	|	|	|	|	0.05
79.000	0.00	0.02	0.015	O	|	|	|	|	0.05
79.083	0.00	0.02	0.015	O	|	|	|	|	0.05
79.167	0.00	0.02	0.015	O	|	|	|	|	0.05
79.250	0.00	0.02	0.015	O	|	|	|	|	0.05
79.333	0.00	0.02	0.015	O	|	|	|	|	0.04
79.417	0.00	0.02	0.015	O	|	|	|	|	0.04
79.500	0.00	0.02	0.015	O	|	|	|	|	0.04
79.583	0.00	0.02	0.014	O	|	|	|	|	0.04
79.667	0.00	0.02	0.014	O	|	|	|	|	0.04
79.750	0.00	0.02	0.014	O	|	|	|	|	0.04
79.833	0.00	0.02	0.014	O	|	|	|	|	0.04
79.917	0.00	0.02	0.014	O	|	|	|	|	0.04
80.000	0.00	0.02	0.014	O	|	|	|	|	0.04
80.083	0.00	0.02	0.014	O	|	|	|	|	0.04
80.167	0.00	0.01	0.014	O	|	|	|	|	0.04
80.250	0.00	0.01	0.014	O	|	|	|	|	0.04
80.333	0.00	0.01	0.014	O	|	|	|	|	0.04
80.417	0.00	0.01	0.013	O	|	|	|	|	0.04
80.500	0.00	0.01	0.013	O	|	|	|	|	0.04
80.583	0.00	0.01	0.013	O	|	|	|	|	0.04
80.667	0.00	0.01	0.013	O	|	|	|	|	0.04
80.750	0.00	0.01	0.013	O	|	|	|	|	0.04
80.833	0.00	0.01	0.013	O	|	|	|	|	0.04
80.917	0.00	0.01	0.013	O	|	|	|	|	0.04
81.000	0.00	0.01	0.013	O	|	|	|	|	0.04
81.083	0.00	0.01	0.013	O	|	|	|	|	0.04
81.167	0.00	0.01	0.013	O	|	|	|	|	0.04
81.250	0.00	0.01	0.012	O	|	|	|	|	0.04
81.333	0.00	0.01	0.012	O	|	|	|	|	0.04
81.417	0.00	0.01	0.012	O	|	|	|	|	0.04
81.500	0.00	0.01	0.012	O	|	|	|	|	0.04
81.583	0.00	0.01	0.012	O	|	|	|	|	0.04
81.667	0.00	0.01	0.012	O	|	|	|	|	0.04
81.750	0.00	0.01	0.012	O	|	|	|	|	0.04
81.833	0.00	0.01	0.012	O	|	|	|	|	0.04
81.917	0.00	0.01	0.012	O	|	|	|	|	0.04
82.000	0.00	0.01	0.012	O	|	|	|	|	0.04
82.083	0.00	0.01	0.012	O	|	|	|	|	0.04
82.167	0.00	0.01	0.011	O	|	|	|	|	0.03
82.250	0.00	0.01	0.011	O	|	|	|	|	0.03
82.333	0.00	0.01	0.011	O	|	|	|	|	0.03
82.417	0.00	0.01	0.011	O	|	|	|	|	0.03
82.500	0.00	0.01	0.011	O	|	|	|	|	0.03
82.583	0.00	0.01	0.011	O	|	|	|	|	0.03
82.667	0.00	0.01	0.011	O	|	|	|	|	0.03
82.750	0.00	0.01	0.011	O	|	|	|	|	0.03
82.833	0.00	0.01	0.011	O	|	|	|	|	0.03
82.917	0.00	0.01	0.011	O	|	|	|	|	0.03
83.000	0.00	0.01	0.011	O	|	|	|	|	0.03
83.083	0.00	0.01	0.011	O	|	|	|	|	0.03
83.167	0.00	0.01	0.010	O	|	|	|	|	0.03
83.250	0.00	0.01	0.010	O	|	|	|	|	0.03
83.333	0.00	0.01	0.010	O	|	|	|	|	0.03
83.417	0.00	0.01	0.010	O	|	|	|	|	0.03
83.500	0.00	0.01	0.010	O	|	|	|	|	0.03
83.583	0.00	0.01	0.010	O	|	|	|	|	0.03
83.667	0.00	0.01	0.010	O	|	|	|	|	0.03
83.750	0.00	0.01	0.010	O	|	|	|	|	0.03
83.833	0.00	0.01	0.010	O	|	|	|	|	0.03

83.917	0.00	0.01	0.010	O	|	|	|	|	0.03
84.000	0.00	0.01	0.010	O	|	|	|	|	0.03
84.083	0.00	0.01	0.010	O	|	|	|	|	0.03
84.167	0.00	0.01	0.010	O	|	|	|	|	0.03
84.250	0.00	0.01	0.010	O	|	|	|	|	0.03
84.333	0.00	0.01	0.009	O	|	|	|	|	0.03
84.417	0.00	0.01	0.009	O	|	|	|	|	0.03
84.500	0.00	0.01	0.009	O	|	|	|	|	0.03
84.583	0.00	0.01	0.009	O	|	|	|	|	0.03
84.667	0.00	0.01	0.009	O	|	|	|	|	0.03
84.750	0.00	0.01	0.009	O	|	|	|	|	0.03
84.833	0.00	0.01	0.009	O	|	|	|	|	0.03
84.917	0.00	0.01	0.009	O	|	|	|	|	0.03
85.000	0.00	0.01	0.009	O	|	|	|	|	0.03
85.083	0.00	0.01	0.009	O	|	|	|	|	0.03
85.167	0.00	0.01	0.009	O	|	|	|	|	0.03
85.250	0.00	0.01	0.009	O	|	|	|	|	0.03
85.333	0.00	0.01	0.009	O	|	|	|	|	0.03
85.417	0.00	0.01	0.009	O	|	|	|	|	0.03
85.500	0.00	0.01	0.008	O	|	|	|	|	0.03
85.583	0.00	0.01	0.008	O	|	|	|	|	0.03
85.667	0.00	0.01	0.008	O	|	|	|	|	0.03
85.750	0.00	0.01	0.008	O	|	|	|	|	0.03
85.833	0.00	0.01	0.008	O	|	|	|	|	0.02
85.917	0.00	0.01	0.008	O	|	|	|	|	0.02
86.000	0.00	0.01	0.008	O	|	|	|	|	0.02
86.083	0.00	0.01	0.008	O	|	|	|	|	0.02
86.167	0.00	0.01	0.008	O	|	|	|	|	0.02
86.250	0.00	0.01	0.008	O	|	|	|	|	0.02
86.333	0.00	0.01	0.008	O	|	|	|	|	0.02
86.417	0.00	0.01	0.008	O	|	|	|	|	0.02
86.500	0.00	0.01	0.008	O	|	|	|	|	0.02
86.583	0.00	0.01	0.008	O	|	|	|	|	0.02
86.667	0.00	0.01	0.008	O	|	|	|	|	0.02
86.750	0.00	0.01	0.008	O	|	|	|	|	0.02
86.833	0.00	0.01	0.008	O	|	|	|	|	0.02
86.917	0.00	0.01	0.007	O	|	|	|	|	0.02
87.000	0.00	0.01	0.007	O	|	|	|	|	0.02
87.083	0.00	0.01	0.007	O	|	|	|	|	0.02
87.167	0.00	0.01	0.007	O	|	|	|	|	0.02
87.250	0.00	0.01	0.007	O	|	|	|	|	0.02
87.333	0.00	0.01	0.007	O	|	|	|	|	0.02
87.417	0.00	0.01	0.007	O	|	|	|	|	0.02
87.500	0.00	0.01	0.007	O	|	|	|	|	0.02
87.583	0.00	0.01	0.007	O	|	|	|	|	0.02
87.667	0.00	0.01	0.007	O	|	|	|	|	0.02
87.750	0.00	0.01	0.007	O	|	|	|	|	0.02
87.833	0.00	0.01	0.007	O	|	|	|	|	0.02
87.917	0.00	0.01	0.007	O	|	|	|	|	0.02
88.000	0.00	0.01	0.007	O	|	|	|	|	0.02
88.083	0.00	0.01	0.007	O	|	|	|	|	0.02
88.167	0.00	0.01	0.007	O	|	|	|	|	0.02
88.250	0.00	0.01	0.007	O	|	|	|	|	0.02
88.333	0.00	0.01	0.007	O	|	|	|	|	0.02
88.417	0.00	0.01	0.007	O	|	|	|	|	0.02
88.500	0.00	0.01	0.006	O	|	|	|	|	0.02
88.583	0.00	0.01	0.006	O	|	|	|	|	0.02
88.667	0.00	0.01	0.006	O	|	|	|	|	0.02
88.750	0.00	0.01	0.006	O	|	|	|	|	0.02
88.833	0.00	0.01	0.006	O	|	|	|	|	0.02
88.917	0.00	0.01	0.006	O	|	|	|	|	0.02
89.000	0.00	0.01	0.006	O	|	|	|	|	0.02
89.083	0.00	0.01	0.006	O	|	|	|	|	0.02
89.167	0.00	0.01	0.006	O	|	|	|	|	0.02
89.250	0.00	0.01	0.006	O	|	|	|	|	0.02
89.333	0.00	0.01	0.006	O	|	|	|	|	0.02
89.417	0.00	0.01	0.006	O	|	|	|	|	0.02

89.500	0.00	0.01	0.006	O	|	|	|	|	0.02
89.583	0.00	0.01	0.006	O	|	|	|	|	0.02
89.667	0.00	0.01	0.006	O	|	|	|	|	0.02
89.750	0.00	0.01	0.006	O	|	|	|	|	0.02
89.833	0.00	0.01	0.006	O	|	|	|	|	0.02
89.917	0.00	0.01	0.006	O	|	|	|	|	0.02
90.000	0.00	0.01	0.006	O	|	|	|	|	0.02
90.083	0.00	0.01	0.006	O	|	|	|	|	0.02
90.167	0.00	0.01	0.006	O	|	|	|	|	0.02
90.250	0.00	0.01	0.006	O	|	|	|	|	0.02
90.333	0.00	0.01	0.005	O	|	|	|	|	0.02
90.417	0.00	0.01	0.005	O	|	|	|	|	0.02
90.500	0.00	0.01	0.005	O	|	|	|	|	0.02
90.583	0.00	0.01	0.005	O	|	|	|	|	0.02
90.667	0.00	0.01	0.005	O	|	|	|	|	0.02
90.750	0.00	0.01	0.005	O	|	|	|	|	0.02
90.833	0.00	0.01	0.005	O	|	|	|	|	0.02
90.917	0.00	0.01	0.005	O	|	|	|	|	0.02
91.000	0.00	0.01	0.005	O	|	|	|	|	0.02
91.083	0.00	0.01	0.005	O	|	|	|	|	0.02
91.167	0.00	0.01	0.005	O	|	|	|	|	0.02
91.250	0.00	0.01	0.005	O	|	|	|	|	0.02
91.333	0.00	0.01	0.005	O	|	|	|	|	0.02
91.417	0.00	0.01	0.005	O	|	|	|	|	0.02
91.500	0.00	0.01	0.005	O	|	|	|	|	0.01
91.583	0.00	0.01	0.005	O	|	|	|	|	0.01
91.667	0.00	0.01	0.005	O	|	|	|	|	0.01
91.750	0.00	0.01	0.005	O	|	|	|	|	0.01
91.833	0.00	0.01	0.005	O	|	|	|	|	0.01
91.917	0.00	0.01	0.005	O	|	|	|	|	0.01
92.000	0.00	0.01	0.005	O	|	|	|	|	0.01
92.083	0.00	0.01	0.005	O	|	|	|	|	0.01
92.167	0.00	0.01	0.005	O	|	|	|	|	0.01
92.250	0.00	0.01	0.005	O	|	|	|	|	0.01
92.333	0.00	0.01	0.005	O	|	|	|	|	0.01
92.417	0.00	0.00	0.005	O	|	|	|	|	0.01
92.500	0.00	0.00	0.005	O	|	|	|	|	0.01
92.583	0.00	0.00	0.004	O	|	|	|	|	0.01
92.667	0.00	0.00	0.004	O	|	|	|	|	0.01
92.750	0.00	0.00	0.004	O	|	|	|	|	0.01
92.833	0.00	0.00	0.004	O	|	|	|	|	0.01
92.917	0.00	0.00	0.004	O	|	|	|	|	0.01
93.000	0.00	0.00	0.004	O	|	|	|	|	0.01
93.083	0.00	0.00	0.004	O	|	|	|	|	0.01
93.167	0.00	0.00	0.004	O	|	|	|	|	0.01
93.250	0.00	0.00	0.004	O	|	|	|	|	0.01
93.333	0.00	0.00	0.004	O	|	|	|	|	0.01
93.417	0.00	0.00	0.004	O	|	|	|	|	0.01
93.500	0.00	0.00	0.004	O	|	|	|	|	0.01
93.583	0.00	0.00	0.004	O	|	|	|	|	0.01
93.667	0.00	0.00	0.004	O	|	|	|	|	0.01
93.750	0.00	0.00	0.004	O	|	|	|	|	0.01
93.833	0.00	0.00	0.004	O	|	|	|	|	0.01
93.917	0.00	0.00	0.004	O	|	|	|	|	0.01
94.000	0.00	0.00	0.004	O	|	|	|	|	0.01
94.083	0.00	0.00	0.004	O	|	|	|	|	0.01
94.167	0.00	0.00	0.004	O	|	|	|	|	0.01
94.250	0.00	0.00	0.004	O	|	|	|	|	0.01
94.333	0.00	0.00	0.004	O	|	|	|	|	0.01
94.417	0.00	0.00	0.004	O	|	|	|	|	0.01
94.500	0.00	0.00	0.004	O	|	|	|	|	0.01
94.583	0.00	0.00	0.004	O	|	|	|	|	0.01
94.667	0.00	0.00	0.004	O	|	|	|	|	0.01
94.750	0.00	0.00	0.004	O	|	|	|	|	0.01
94.833	0.00	0.00	0.004	O	|	|	|	|	0.01
94.917	0.00	0.00	0.004	O	|	|	|	|	0.01
95.000	0.00	0.00	0.004	O	|	|	|	|	0.01

95.083	0.00	0.00	0.004	O	|	|	|	0.01
95.167	0.00	0.00	0.004	O	|	|	|	0.01
95.250	0.00	0.00	0.004	O	|	|	|	0.01
95.333	0.00	0.00	0.003	O	|	|	|	0.01
95.417	0.00	0.00	0.003	O	|	|	|	0.01
95.500	0.00	0.00	0.003	O	|	|	|	0.01
95.583	0.00	0.00	0.003	O	|	|	|	0.01
95.667	0.00	0.00	0.003	O	|	|	|	0.01
95.750	0.00	0.00	0.003	O	|	|	|	0.01
95.833	0.00	0.00	0.003	O	|	|	|	0.01
95.917	0.00	0.00	0.003	O	|	|	|	0.01
96.000	0.00	0.00	0.003	O	|	|	|	0.01
96.083	0.00	0.00	0.003	O	|	|	|	0.01
96.167	0.00	0.00	0.003	O	|	|	|	0.01
96.250	0.00	0.00	0.003	O	|	|	|	0.01
96.333	0.00	0.00	0.003	O	|	|	|	0.01
96.417	0.00	0.00	0.003	O	|	|	|	0.01
96.500	0.00	0.00	0.003	O	|	|	|	0.01
96.583	0.00	0.00	0.003	O	|	|	|	0.01
96.667	0.00	0.00	0.003	O	|	|	|	0.01
96.750	0.00	0.00	0.003	O	|	|	|	0.01
96.833	0.00	0.00	0.003	O	|	|	|	0.01
96.917	0.00	0.00	0.003	O	|	|	|	0.01
97.000	0.00	0.00	0.003	O	|	|	|	0.01
97.083	0.00	0.00	0.003	O	|	|	|	0.01
97.167	0.00	0.00	0.003	O	|	|	|	0.01
97.250	0.00	0.00	0.003	O	|	|	|	0.01
97.333	0.00	0.00	0.003	O	|	|	|	0.01
97.417	0.00	0.00	0.003	O	|	|	|	0.01
97.500	0.00	0.00	0.003	O	|	|	|	0.01
97.583	0.00	0.00	0.003	O	|	|	|	0.01
97.667	0.00	0.00	0.003	O	|	|	|	0.01
97.750	0.00	0.00	0.003	O	|	|	|	0.01
97.833	0.00	0.00	0.003	O	|	|	|	0.01
97.917	0.00	0.00	0.003	O	|	|	|	0.01
98.000	0.00	0.00	0.003	O	|	|	|	0.01
98.083	0.00	0.00	0.003	O	|	|	|	0.01
98.167	0.00	0.00	0.003	O	|	|	|	0.01
98.250	0.00	0.00	0.003	O	|	|	|	0.01
98.333	0.00	0.00	0.003	O	|	|	|	0.01
98.417	0.00	0.00	0.003	O	|	|	|	0.01
98.500	0.00	0.00	0.003	O	|	|	|	0.01
98.583	0.00	0.00	0.003	O	|	|	|	0.01
98.667	0.00	0.00	0.003	O	|	|	|	0.01
98.750	0.00	0.00	0.003	O	|	|	|	0.01
98.833	0.00	0.00	0.003	O	|	|	|	0.01
98.917	0.00	0.00	0.003	O	|	|	|	0.01
99.000	0.00	0.00	0.003	O	|	|	|	0.01
99.083	0.00	0.00	0.002	O	|	|	|	0.01
99.167	0.00	0.00	0.002	O	|	|	|	0.01
99.250	0.00	0.00	0.002	O	|	|	|	0.01
99.333	0.00	0.00	0.002	O	|	|	|	0.01
99.417	0.00	0.00	0.002	O	|	|	|	0.01
99.500	0.00	0.00	0.002	O	|	|	|	0.01
99.583	0.00	0.00	0.002	O	|	|	|	0.01
99.667	0.00	0.00	0.002	O	|	|	|	0.01
99.750	0.00	0.00	0.002	O	|	|	|	0.01
99.833	0.00	0.00	0.002	O	|	|	|	0.01
99.917	0.00	0.00	0.002	O	|	|	|	0.01
100.000	0.00	0.00	0.002	O	|	|	|	0.01
100.083	0.00	0.00	0.002	O	|	|	|	0.01
100.167	0.00	0.00	0.002	O	|	|	|	0.01
100.250	0.00	0.00	0.002	O	|	|	|	0.01
100.333	0.00	0.00	0.002	O	|	|	|	0.01
100.417	0.00	0.00	0.002	O	|	|	|	0.01
100.500	0.00	0.00	0.002	O	|	|	|	0.01
100.583	0.00	0.00	0.002	O	|	|	|	0.01

100.667	0.00	0.00	0.002	O	|	|	|	|	0.01
100.750	0.00	0.00	0.002	O	|	|	|	|	0.01
100.833	0.00	0.00	0.002	O	|	|	|	|	0.01
100.917	0.00	0.00	0.002	O	|	|	|	|	0.01
101.000	0.00	0.00	0.002	O	|	|	|	|	0.01
101.083	0.00	0.00	0.002	O	|	|	|	|	0.01
101.167	0.00	0.00	0.002	O	|	|	|	|	0.01
101.250	0.00	0.00	0.002	O	|	|	|	|	0.01
101.333	0.00	0.00	0.002	O	|	|	|	|	0.01
101.417	0.00	0.00	0.002	O	|	|	|	|	0.01
101.500	0.00	0.00	0.002	O	|	|	|	|	0.01
101.583	0.00	0.00	0.002	O	|	|	|	|	0.01
101.667	0.00	0.00	0.002	O	|	|	|	|	0.01
101.750	0.00	0.00	0.002	O	|	|	|	|	0.01
101.833	0.00	0.00	0.002	O	|	|	|	|	0.01
101.917	0.00	0.00	0.002	O	|	|	|	|	0.01
102.000	0.00	0.00	0.002	O	|	|	|	|	0.01
102.083	0.00	0.00	0.002	O	|	|	|	|	0.01
102.167	0.00	0.00	0.002	O	|	|	|	|	0.01
102.250	0.00	0.00	0.002	O	|	|	|	|	0.01
102.333	0.00	0.00	0.002	O	|	|	|	|	0.01
102.417	0.00	0.00	0.002	O	|	|	|	|	0.01
102.500	0.00	0.00	0.002	O	|	|	|	|	0.01
102.583	0.00	0.00	0.002	O	|	|	|	|	0.01
102.667	0.00	0.00	0.002	O	|	|	|	|	0.01
102.750	0.00	0.00	0.002	O	|	|	|	|	0.01
102.833	0.00	0.00	0.002	O	|	|	|	|	0.01
102.917	0.00	0.00	0.002	O	|	|	|	|	0.01
103.000	0.00	0.00	0.002	O	|	|	|	|	0.01
103.083	0.00	0.00	0.002	O	|	|	|	|	0.01
103.167	0.00	0.00	0.002	O	|	|	|	|	0.01
103.250	0.00	0.00	0.002	O	|	|	|	|	0.01
103.333	0.00	0.00	0.002	O	|	|	|	|	0.01
103.417	0.00	0.00	0.002	O	|	|	|	|	0.01
103.500	0.00	0.00	0.002	O	|	|	|	|	0.01
103.583	0.00	0.00	0.002	O	|	|	|	|	0.01
103.667	0.00	0.00	0.002	O	|	|	|	|	0.01
103.750	0.00	0.00	0.002	O	|	|	|	|	0.00
103.833	0.00	0.00	0.002	O	|	|	|	|	0.00
103.917	0.00	0.00	0.002	O	|	|	|	|	0.00
104.000	0.00	0.00	0.002	O	|	|	|	|	0.00
104.083	0.00	0.00	0.002	O	|	|	|	|	0.00
104.167	0.00	0.00	0.002	O	|	|	|	|	0.00
104.250	0.00	0.00	0.002	O	|	|	|	|	0.00
104.333	0.00	0.00	0.002	O	|	|	|	|	0.00
104.417	0.00	0.00	0.002	O	|	|	|	|	0.00
104.500	0.00	0.00	0.002	O	|	|	|	|	0.00
104.583	0.00	0.00	0.002	O	|	|	|	|	0.00
104.667	0.00	0.00	0.002	O	|	|	|	|	0.00
104.750	0.00	0.00	0.001	O	|	|	|	|	0.00
104.833	0.00	0.00	0.001	O	|	|	|	|	0.00
104.917	0.00	0.00	0.001	O	|	|	|	|	0.00
105.000	0.00	0.00	0.001	O	|	|	|	|	0.00
105.083	0.00	0.00	0.001	O	|	|	|	|	0.00
105.167	0.00	0.00	0.001	O	|	|	|	|	0.00
105.250	0.00	0.00	0.001	O	|	|	|	|	0.00
105.333	0.00	0.00	0.001	O	|	|	|	|	0.00
105.417	0.00	0.00	0.001	O	|	|	|	|	0.00
105.500	0.00	0.00	0.001	O	|	|	|	|	0.00
105.583	0.00	0.00	0.001	O	|	|	|	|	0.00
105.667	0.00	0.00	0.001	O	|	|	|	|	0.00
105.750	0.00	0.00	0.001	O	|	|	|	|	0.00
105.833	0.00	0.00	0.001	O	|	|	|	|	0.00
105.917	0.00	0.00	0.001	O	|	|	|	|	0.00
106.000	0.00	0.00	0.001	O	|	|	|	|	0.00
106.083	0.00	0.00	0.001	O	|	|	|	|	0.00
106.167	0.00	0.00	0.001	O	|	|	|	|	0.00

106.250	0.00	0.00	0.001	O	|	|	|	|	0.00
106.333	0.00	0.00	0.001	O	|	|	|	|	0.00
106.417	0.00	0.00	0.001	O	|	|	|	|	0.00
106.500	0.00	0.00	0.001	O	|	|	|	|	0.00
106.583	0.00	0.00	0.001	O	|	|	|	|	0.00
106.667	0.00	0.00	0.001	O	|	|	|	|	0.00
106.750	0.00	0.00	0.001	O	|	|	|	|	0.00
106.833	0.00	0.00	0.001	O	|	|	|	|	0.00
106.917	0.00	0.00	0.001	O	|	|	|	|	0.00
107.000	0.00	0.00	0.001	O	|	|	|	|	0.00
107.083	0.00	0.00	0.001	O	|	|	|	|	0.00
107.167	0.00	0.00	0.001	O	|	|	|	|	0.00
107.250	0.00	0.00	0.001	O	|	|	|	|	0.00
107.333	0.00	0.00	0.001	O	|	|	|	|	0.00
107.417	0.00	0.00	0.001	O	|	|	|	|	0.00
107.500	0.00	0.00	0.001	O	|	|	|	|	0.00
107.583	0.00	0.00	0.001	O	|	|	|	|	0.00
107.667	0.00	0.00	0.001	O	|	|	|	|	0.00
107.750	0.00	0.00	0.001	O	|	|	|	|	0.00
107.833	0.00	0.00	0.001	O	|	|	|	|	0.00
107.917	0.00	0.00	0.001	O	|	|	|	|	0.00
108.000	0.00	0.00	0.001	O	|	|	|	|	0.00
108.083	0.00	0.00	0.001	O	|	|	|	|	0.00
108.167	0.00	0.00	0.001	O	|	|	|	|	0.00
108.250	0.00	0.00	0.001	O	|	|	|	|	0.00
108.333	0.00	0.00	0.001	O	|	|	|	|	0.00
108.417	0.00	0.00	0.001	O	|	|	|	|	0.00
108.500	0.00	0.00	0.001	O	|	|	|	|	0.00
108.583	0.00	0.00	0.001	O	|	|	|	|	0.00
108.667	0.00	0.00	0.001	O	|	|	|	|	0.00
108.750	0.00	0.00	0.001	O	|	|	|	|	0.00
108.833	0.00	0.00	0.001	O	|	|	|	|	0.00
108.917	0.00	0.00	0.001	O	|	|	|	|	0.00
109.000	0.00	0.00	0.001	O	|	|	|	|	0.00
109.083	0.00	0.00	0.001	O	|	|	|	|	0.00
109.167	0.00	0.00	0.001	O	|	|	|	|	0.00
109.250	0.00	0.00	0.001	O	|	|	|	|	0.00
109.333	0.00	0.00	0.001	O	|	|	|	|	0.00
109.417	0.00	0.00	0.001	O	|	|	|	|	0.00
109.500	0.00	0.00	0.001	O	|	|	|	|	0.00
109.583	0.00	0.00	0.001	O	|	|	|	|	0.00
109.667	0.00	0.00	0.001	O	|	|	|	|	0.00
109.750	0.00	0.00	0.001	O	|	|	|	|	0.00
109.833	0.00	0.00	0.001	O	|	|	|	|	0.00
109.917	0.00	0.00	0.001	O	|	|	|	|	0.00
110.000	0.00	0.00	0.001	O	|	|	|	|	0.00
110.083	0.00	0.00	0.001	O	|	|	|	|	0.00
110.167	0.00	0.00	0.001	O	|	|	|	|	0.00
110.250	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 1323
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.015 (CFS)
Total volume = 3.317 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRF24100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 13.485 (CFS)
Total volume = 7.536 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN F- ROUTING
100YR-24HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.330	0.360	0.329	0.331
2.000	0.720	0.580	0.718	0.722
3.000	1.150	0.750	1.147	1.153
4.000	1.650	0.880	1.647	1.653
5.000	2.200	1.000	2.197	2.203
6.000	2.810	1.910	2.803	2.817
7.000	3.480	2.340	3.472	3.488
8.000	4.230	2.680	4.221	4.239
9.000	5.040	69.580	4.800	5.280

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 3.4 6.74 10.11 13.48	Depth (Ft.)
0.083	0.41	0.00	0.001	O | | | |	0.00

0.167	0.67	0.01	0.005	OI	|	|	|	0.02
0.250	0.71	0.01	0.010	OI	|	|	|	0.03
0.333	0.92	0.02	0.015	O I	|	|	|	0.05
0.417	1.05	0.02	0.022	O I	|	|	|	0.07
0.500	1.07	0.03	0.029	O I	|	|	|	0.09
0.583	1.07	0.04	0.036	O I	|	|	|	0.11
0.667	1.07	0.05	0.043	O I	|	|	|	0.13
0.750	1.07	0.05	0.050	O I	|	|	|	0.15
0.833	1.27	0.06	0.058	O I	|	|	|	0.18
0.917	1.41	0.07	0.067	O I	|	|	|	0.20
1.000	1.43	0.08	0.076	O I	|	|	|	0.23
1.083	1.22	0.09	0.084	O I	|	|	|	0.26
1.167	1.09	0.10	0.092	O I	|	|	|	0.28
1.250	1.07	0.11	0.099	O I	|	|	|	0.30
1.333	1.07	0.11	0.105	O I	|	|	|	0.32
1.417	1.07	0.12	0.112	O I	|	|	|	0.34
1.500	1.07	0.13	0.118	O I	|	|	|	0.36
1.583	1.07	0.14	0.125	O I	|	|	|	0.38
1.667	1.07	0.14	0.131	O I	|	|	|	0.40
1.750	1.07	0.15	0.137	O I	|	|	|	0.42
1.833	1.27	0.16	0.144	O I	|	|	|	0.44
1.917	1.41	0.17	0.153	O I	|	|	|	0.46
2.000	1.43	0.18	0.161	O I	|	|	|	0.49
2.083	1.43	0.19	0.170	O I	|	|	|	0.51
2.167	1.43	0.19	0.178	O I	|	|	|	0.54
2.250	1.43	0.20	0.187	O I	|	|	|	0.57
2.333	1.43	0.21	0.195	O I	|	|	|	0.59
2.417	1.43	0.22	0.203	O I	|	|	|	0.62
2.500	1.43	0.23	0.212	O I	|	|	|	0.64
2.583	1.63	0.24	0.221	O I	|	|	|	0.67
2.667	1.76	0.25	0.231	O I	|	|	|	0.70
2.750	1.78	0.26	0.241	O I	|	|	|	0.73
2.833	1.78	0.27	0.252	O I	|	|	|	0.76
2.917	1.78	0.29	0.262	O I	|	|	|	0.79
3.000	1.78	0.30	0.272	O I	|	|	|	0.82
3.083	1.78	0.31	0.282	O I	|	|	|	0.86
3.167	1.78	0.32	0.293	O I	|	|	|	0.89
3.250	1.78	0.33	0.303	O I	|	|	|	0.92
3.333	1.78	0.34	0.313	O I	|	|	|	0.95
3.417	1.78	0.35	0.322	O I	|	|	|	0.98
3.500	1.78	0.36	0.332	O I	|	|	|	1.01
3.583	1.78	0.37	0.342	O I	|	|	|	1.03
3.667	1.78	0.37	0.352	O I	|	|	|	1.06
3.750	1.78	0.38	0.362	O I	|	|	|	1.08
3.833	1.99	0.38	0.372	O I	|	|	|	1.11
3.917	2.12	0.39	0.383	O I	|	|	|	1.14
4.000	2.14	0.40	0.395	O I	|	|	|	1.17
4.083	2.14	0.40	0.407	O I	|	|	|	1.20
4.167	2.14	0.41	0.419	O I	|	|	|	1.23
4.250	2.14	0.42	0.431	O I	|	|	|	1.26
4.333	2.35	0.42	0.444	|O I	|	|	|	1.29
4.417	2.48	0.43	0.457	|O I	|	|	|	1.33
4.500	2.50	0.44	0.472	|O I	|	|	|	1.36
4.583	2.50	0.45	0.486	|O I	|	|	|	1.40
4.667	2.50	0.46	0.500	|O I	|	|	|	1.44
4.750	2.50	0.46	0.514	|O I	|	|	|	1.47
4.833	2.70	0.47	0.529	|O I	|	|	|	1.51
4.917	2.83	0.48	0.544	|O I	|	|	|	1.55
5.000	2.86	0.49	0.561	|O I	|	|	|	1.59
5.083	2.45	0.50	0.575	|O I	|	|	|	1.63
5.167	2.18	0.51	0.588	|O I	|	|	|	1.66
5.250	2.14	0.51	0.599	|O I	|	|	|	1.69
5.333	2.35	0.52	0.611	|O I	|	|	|	1.72
5.417	2.48	0.53	0.624	|O I	|	|	|	1.75
5.500	2.50	0.53	0.638	|O I	|	|	|	1.79
5.583	2.70	0.54	0.652	|O I	|	|	|	1.83
5.667	2.83	0.55	0.667	|O I	|	|	|	1.86

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 5.750    2.86    0.56      0.683  |O    I |       |       |       |     1.91
 5.833    2.86    0.57      0.699  |O    I |       |       |       |     1.95
 5.917    2.86    0.58      0.715  |O    I |       |       |       |     1.99
 6.000    2.86    0.58      0.730  |O    I |       |       |       |     2.02
 6.083    3.06    0.59      0.747  |O     I|       |       |       |     2.06
 6.167    3.19    0.60      0.764  |O     I|       |       |       |     2.10
 6.250    3.21    0.60      0.782  |O     I|       |       |       |     2.14
 6.333    3.21    0.61      0.800  |O     I|       |       |       |     2.19
 6.417    3.21    0.62      0.818  |O     I|       |       |       |     2.23
 6.500    3.21    0.63      0.836  |O     I|       |       |       |     2.27
 6.583    3.42    0.63      0.854  |O      I       |       |       |     2.31
 6.667    3.55    0.64      0.874  |O      I       |       |       |     2.36
 6.750    3.57    0.65      0.894  |O      I       |       |       |     2.40
 6.833    3.57    0.66      0.914  |O      I       |       |       |     2.45
 6.917    3.57    0.66      0.934  |O      I       |       |       |     2.50
 7.000    3.57    0.67      0.954  |O      I       |       |       |     2.54
 7.083    3.57    0.68      0.974  |O      I       |       |       |     2.59
 7.167    3.57    0.69      0.994  |O      I       |       |       |     2.64
 7.250    3.57    0.70      1.013  |O      I       |       |       |     2.68
 7.333    3.77    0.70      1.034  |O      I       |       |       |     2.73
 7.417    3.91    0.71      1.055  |O      |I      |       |       |     2.78
 7.500    3.93    0.72      1.078  |O      |I      |       |       |     2.83
 7.583    4.13    0.73      1.100  |O      |I      |       |       |     2.88
 7.667    4.26    0.74      1.124  |O      | I     |       |       |     2.94
 7.750    4.28    0.75      1.148  |O      | I     |       |       |     3.00
 7.833    4.49    0.76      1.173  |O      | I     |       |       |     3.05
 7.917    4.62    0.76      1.200  |O      | I     |       |       |     3.10
 8.000    4.64    0.77      1.226  |O      |  I    |       |       |     3.15
 8.083    5.05    0.78      1.254  |O      |  I    |       |       |     3.21
 8.167    5.31    0.78      1.284  |O      |   I   |       |       |     3.27
 8.250    5.35    0.79      1.316  |O      |   I   |       |       |     3.33
 8.333    5.35    0.80      1.347  |O      |   I   |       |       |     3.39
 8.417    5.35    0.81      1.379  |O      |   I   |       |       |     3.46
 8.500    5.35    0.82      1.410  |O      |   I   |       |       |     3.52
 8.583    5.56    0.83      1.442  |O      |    I  |       |       |     3.58
 8.667    5.69    0.83      1.475  |O      |    I  |       |       |     3.65
 8.750    5.71    0.84      1.508  | O     |    I  |       |       |     3.72
 8.833    5.92    0.85      1.542  | O     |     I |       |       |     3.78
 8.917    6.05    0.86      1.578  | O     |     I |       |       |     3.86
 9.000    6.07    0.87      1.613  | O     |     I |       |       |     3.93
 9.083    6.48    0.88      1.651  | O     |      I|       |       |     4.00
 9.167    6.74    0.89      1.690  | O     |      I|       |       |     4.07
 9.250    6.78    0.90      1.730  | O     |       I       |       |     4.15
 9.333    6.99    0.91      1.772  | O     |       I       |       |     4.22
 9.417    7.12    0.92      1.814  | O     |       I       |       |     4.30
 9.500    7.14    0.93      1.857  | O     |       I       |       |     4.38
 9.583    7.34    0.93      1.900  | O     |       |I      |       |     4.45
 9.667    7.48    0.94      1.945  | O     |       |I      |       |     4.54
 9.750    7.50    0.95      1.990  | O     |       |I      |       |     4.62
 9.833    7.70    0.96      2.035  | O     |       | I     |       |     4.70
 9.917    7.83    0.97      2.082  | O     |       | I     |       |     4.79
10.000    7.85    0.98      2.130  | O     |       | I     |       |     4.87
10.083    6.43    0.99      2.172  | O     |      I|       |       |     4.95
10.167    5.51    1.01      2.206  | O     |    I  |       |       |     5.01
10.250    5.35    1.05      2.236  | O     |   I   |       |       |     5.06
10.333    5.35    1.10      2.266  | O     |   I   |       |       |     5.11
10.417    5.35    1.14      2.295  | O     |   I   |       |       |     5.16
10.500    5.35    1.18      2.324  | O     |   I   |       |       |     5.20
10.583    6.37    1.23      2.356  | O     |      I|       |       |     5.26
10.667    7.03    1.29      2.393  |  O    |       I       |       |     5.32
10.750    7.14    1.35      2.433  |  O    |       I       |       |     5.38
10.833    7.14    1.41      2.473  |  O    |       I       |       |     5.45
10.917    7.14    1.47      2.512  |  O    |       I       |       |     5.51
11.000    7.14    1.52      2.551  |  O    |       I       |       |     5.58
11.083    6.94    1.58      2.589  |  O    |       I       |       |     5.64
11.167    6.80    1.63      2.625  |  O    |       I       |       |     5.70
11.250    6.78    1.69      2.660  |   O   |       I       |       |     5.75
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11.333	6.78	1.74	2.695	O	I			5.81
11.417	6.78	1.79	2.730	O	I			5.87
11.500	6.78	1.84	2.764	O	I			5.92
11.583	6.38	1.89	2.797	O	I			5.98
11.667	6.11	1.92	2.826	O	I			6.02
11.750	6.07	1.94	2.855	O	I			6.07
11.833	6.27	1.96	2.884	O	I			6.11
11.917	6.40	1.98	2.914	O	I			6.16
12.000	6.43	2.00	2.945	O	I			6.20
12.083	7.91	2.02	2.980	O	I			6.25
12.167	8.87	2.05	3.024	O	I			6.32
12.250	9.04	2.08	3.072	O	I			6.39
12.333	9.33	2.11	3.120	O	I			6.46
12.417	9.51	2.14	3.171	O	I			6.54
12.500	9.56	2.17	3.221	O	I			6.61
12.583	10.11	2.21	3.274	O	I			6.69
12.667	10.47	2.24	3.330	O	I			6.78
12.750	10.54	2.28	3.386	O	I			6.86
12.833	10.82	2.32	3.444	O	I			6.95
12.917	11.01	2.35	3.503	O	I			7.03
13.000	11.05	2.38	3.563	O	I			7.11
13.083	12.41	2.41	3.627	O	I			7.20
13.167	13.29	2.44	3.699	O	I			7.29
13.250	13.45	2.47	3.774	O	I			7.39
13.333	13.46	2.51	3.850	O	I			7.49
13.417	13.47	2.54	3.925	O	I			7.59
13.500	13.48	2.58	4.000	O	I			7.69
13.583	10.54	2.61	4.065	O	I			7.78
13.667	8.64	2.63	4.113	O	I			7.84
13.750	8.34	2.65	4.153	O	I			7.90
13.833	8.35	2.66	4.193	O	I			7.95
13.917	8.37	2.79	4.231	O	I			8.00
14.000	8.38	5.26	4.261	O	I			8.04
14.083	9.47	6.88	4.281	O	I			8.06
14.167	10.17	8.18	4.297	O	I			8.08
14.250	10.30	9.09	4.308	O	I			8.10
14.333	10.04	9.57	4.313	O	I			8.10
14.417	9.88	9.74	4.316	O	I			8.11
14.500	9.87	9.80	4.316	O	I			8.11
14.583	9.88	9.83	4.317	O	I			8.11
14.667	9.89	9.86	4.317	O	I			8.11
14.750	9.90	**9.87**	**4.317**	**O**	**I**			**8.11**
14.833	9.65	9.83	4.317	O	I			8.11
14.917	9.48	9.71	4.315	O	I			8.11
15.000	9.47	9.61	4.314	O	I			8.10
15.083	9.21	9.49	4.312	O	I			8.10
15.167	9.05	9.33	4.311	O	I			8.10
15.250	9.03	9.20	4.309	O	I			8.10
15.333	8.77	9.07	4.307	O	I			8.10
15.417	8.61	8.90	4.305	O	I			8.09
15.500	8.60	8.77	4.304	O	I			8.09
15.583	7.56	8.46	4.300	O	I			8.09
15.667	6.89	7.92	4.293	O	I			8.08
15.750	6.78	7.44	4.288	O	I			8.07
15.833	6.78	7.15	4.284	O	I			8.07
15.917	6.78	6.99	4.282	O	I			8.06
16.000	6.78	6.90	4.281	O	I			8.06
16.083	3.73	6.17	4.272	O	I			8.05
16.167	1.75	4.65	4.254	O	I			8.03
16.250	1.43	3.30	4.237	O	I			8.01
16.333	1.43	2.68	4.227	O	I			8.00
16.417	1.43	2.67	4.218	O	I			7.98
16.500	1.43	2.67	4.210	O	I			7.97
16.583	1.22	2.67	4.200	O	I			7.96
16.667	1.09	2.66	4.190	O	I			7.95
16.750	1.07	2.66	4.179	O	I			7.93
16.833	1.07	2.65	4.168	O	I			7.92

16.917	1.07	2.65	4.157	I O				7.90
17.000	1.07	2.64	4.146	I O				7.89
17.083	1.48	2.64	4.137	I O				7.88
17.167	1.74	2.63	4.130	I O				7.87
17.250	1.78	2.63	4.124	I O				7.86
17.333	1.78	2.63	4.118	I O				7.85
17.417	1.78	2.63	4.112	I O				7.84
17.500	1.78	2.62	4.107	I O				7.84
17.583	1.78	2.62	4.101	I O				7.83
17.667	1.78	2.62	4.095	I O				7.82
17.750	1.78	2.62	4.089	I O				7.81
17.833	1.58	2.61	4.083	I O				7.80
17.917	1.45	2.61	4.075	I O				7.79
18.000	1.43	2.61	4.067	I O				7.78
18.083	1.43	2.60	4.059	I O				7.77
18.167	1.43	2.60	4.051	I O				7.76
18.250	1.43	2.60	4.043	I O				7.75
18.333	1.43	2.59	4.035	I O				7.74
18.417	1.43	2.59	4.027	I O				7.73
18.500	1.43	2.58	4.019	I O				7.72
18.583	1.22	2.58	4.010	I O				7.71
18.667	1.09	2.58	4.001	I O				7.69
18.750	1.07	2.57	3.990	I O				7.68
18.833	0.87	2.57	3.979	I O				7.67
18.917	0.74	2.56	3.967	I O				7.65
19.000	0.71	2.56	3.955	I O				7.63
19.083	0.92	2.55	3.943	I O				7.62
19.167	1.05	2.54	3.932	I O				7.60
19.250	1.07	2.54	3.922	I O				7.59
19.333	1.27	2.54	3.912	I O				7.58
19.417	1.41	2.53	3.904	I O				7.57
19.500	1.43	2.53	3.896	I O				7.56
19.583	1.22	2.52	3.888	I O				7.54
19.667	1.09	2.52	3.879	I O				7.53
19.750	1.07	2.52	3.869	I O				7.52
19.833	0.87	2.51	3.858	I O				7.50
19.917	0.74	2.51	3.846	I O				7.49
20.000	0.71	2.50	3.834	I O				7.47
20.083	0.92	2.50	3.823	I O				7.46
20.167	1.05	2.49	3.812	I O				7.44
20.250	1.07	2.49	3.802	I O				7.43
20.333	1.07	2.48	3.793	I O				7.42
20.417	1.07	2.48	3.783	I O				7.40
20.500	1.07	2.47	3.773	I O				7.39
20.583	1.07	2.47	3.764	I O				7.38
20.667	1.07	2.46	3.754	I O				7.37
20.750	1.07	2.46	3.744	I O				7.35
20.833	0.87	2.46	3.734	I O				7.34
20.917	0.74	2.45	3.723	I O				7.32
21.000	0.71	2.44	3.711	I O				7.31
21.083	0.92	2.44	3.700	I O				7.29
21.167	1.05	2.44	3.690	I O				7.28
21.250	1.07	2.43	3.680	I O				7.27
21.333	0.87	2.43	3.670	I O				7.25
21.417	0.74	2.42	3.659	I O				7.24
21.500	0.71	2.42	3.647	I O				7.22
21.583	0.92	2.41	3.636	I O				7.21
21.667	1.05	2.41	3.627	I O				7.20
21.750	1.07	2.40	3.617	I O				7.18
21.833	0.87	2.40	3.607	I O				7.17
21.917	0.74	2.39	3.596	I O				7.16
22.000	0.71	2.39	3.585	I O				7.14
22.083	0.92	2.38	3.574	I O				7.13
22.167	1.05	2.38	3.565	I O				7.11
22.250	1.07	2.37	3.555	I O				7.10
22.333	0.87	2.37	3.546	I O				7.09
22.417	0.74	2.36	3.535	I O				7.07

22.500	0.71	2.36	3.524	I O				7.06
22.583	0.71	2.35	3.512	I O				7.04
22.667	0.71	2.35	3.501	I O				7.03
22.750	0.71	2.34	3.490	I O				7.01
22.833	0.71	2.34	3.479	I O				7.00
22.917	0.71	2.33	3.468	I O				6.98
23.000	0.71	2.32	3.456	I O				6.96
23.083	0.71	2.32	3.445	I O				6.95
23.167	0.71	2.31	3.434	I O				6.93
23.250	0.71	2.30	3.423	I O				6.92
23.333	0.71	2.30	3.412	I O				6.90
23.417	0.71	2.29	3.402	I O				6.88
23.500	0.71	2.28	3.391	I O				6.87
23.583	0.71	2.28	3.380	I O				6.85
23.667	0.71	2.27	3.369	I O				6.83
23.750	0.71	2.26	3.359	I O				6.82
23.833	0.71	2.26	3.348	I O				6.80
23.917	0.71	2.25	3.337	I O				6.79
24.000	0.71	2.24	3.327	I O				6.77
24.083	0.31	2.23	3.315	I O				6.75
24.167	0.04	2.22	3.301	I O				6.73
24.250	0.00	2.22	3.286	I O				6.71
24.333	0.00	2.21	3.270	I O				6.69
24.417	0.00	2.20	3.255	I O				6.66
24.500	0.00	2.19	3.240	I O				6.64
24.583	0.00	2.18	3.225	I O				6.62
24.667	0.00	2.17	3.210	I O				6.60
24.750	0.00	2.16	3.195	I O				6.57
24.833	0.00	2.15	3.180	I O				6.55
24.917	0.00	2.14	3.166	I O				6.53
25.000	0.00	2.13	3.151	I O				6.51
25.083	0.00	2.12	3.136	I O				6.49
25.167	0.00	2.11	3.122	I O				6.47
25.250	0.00	2.10	3.107	I O				6.44
25.333	0.00	2.09	3.093	I O				6.42
25.417	0.00	2.08	3.078	I O				6.40
25.500	0.00	2.07	3.064	I O				6.38
25.583	0.00	2.06	3.050	I O				6.36
25.667	0.00	2.05	3.036	I O				6.34
25.750	0.00	2.05	3.022	I O				6.32
25.833	0.00	2.04	3.008	I O				6.29
25.917	0.00	2.03	2.994	I O				6.27
26.000	0.00	2.02	2.980	I O				6.25
26.083	0.00	2.01	2.966	I O				6.23
26.167	0.00	2.00	2.952	I O				6.21
26.250	0.00	1.99	2.938	I O				6.19
26.333	0.00	1.98	2.924	I O				6.17
26.417	0.00	1.97	2.911	I O				6.15
26.500	0.00	1.97	2.897	I O				6.13
26.583	0.00	1.96	2.884	I O				6.11
26.667	0.00	1.95	2.870	I O				6.09
26.750	0.00	1.94	2.857	I O				6.07
26.833	0.00	1.93	2.844	I O				6.05
26.917	0.00	1.92	2.830	I O				6.03
27.000	0.00	1.91	2.817	I O				6.01
27.083	0.00	1.90	2.804	I O				5.99
27.167	0.00	1.88	2.791	I O				5.97
27.250	0.00	1.86	2.778	I O				5.95
27.333	0.00	1.84	2.765	I O				5.93
27.417	0.00	1.82	2.753	I O				5.91
27.500	0.00	1.81	2.740	I O				5.89
27.583	0.00	1.79	2.728	I O				5.87
27.667	0.00	1.77	2.716	I O				5.85
27.750	0.00	1.75	2.703	I O				5.83
27.833	0.00	1.73	2.691	I O				5.81
27.917	0.00	1.72	2.680	I O				5.79
28.000	0.00	1.70	2.668	I O				5.77

28.083	0.00	1.68	2.656	I	O	|	|	|	5.75
28.167	0.00	1.66	2.645	I	O	|	|	|	5.73
28.250	0.00	1.65	2.633	I	O	|	|	|	5.71
28.333	0.00	1.63	2.622	I	O	|	|	|	5.69
28.417	0.00	1.61	2.611	I	O	|	|	|	5.67
28.500	0.00	1.60	2.600	I	O	|	|	|	5.66
28.583	0.00	1.58	2.589	I	O	|	|	|	5.64
28.667	0.00	1.56	2.578	I	O	|	|	|	5.62
28.750	0.00	1.55	2.567	I	O	|	|	|	5.60
28.833	0.00	1.53	2.557	I	O	|	|	|	5.58
28.917	0.00	1.52	2.546	I	O	|	|	|	5.57
29.000	0.00	1.50	2.536	I	O	|	|	|	5.55
29.083	0.00	1.49	2.525	I	O	|	|	|	5.53
29.167	0.00	1.47	2.515	I	O	|	|	|	5.52
29.250	0.00	1.46	2.505	I	O	|	|	|	5.50
29.333	0.00	1.44	2.495	I	O	|	|	|	5.48
29.417	0.00	1.43	2.485	I	O	|	|	|	5.47
29.500	0.00	1.41	2.476	I	O	|	|	|	5.45
29.583	0.00	1.40	2.466	I	O	|	|	|	5.44
29.667	0.00	1.38	2.456	I	O	|	|	|	5.42
29.750	0.00	1.37	2.447	I	O	|	|	|	5.40
29.833	0.00	1.35	2.438	I	O	|	|	|	5.39
29.917	0.00	1.34	2.428	I	O	|	|	|	5.37
30.000	0.00	1.33	2.419	I	O	|	|	|	5.36
30.083	0.00	1.31	2.410	I	O	|	|	|	5.34
30.167	0.00	1.30	2.401	I	O	|	|	|	5.33
30.250	0.00	1.29	2.392	I	O	|	|	|	5.31
30.333	0.00	1.27	2.383	I	O	|	|	|	5.30
30.417	0.00	1.26	2.375	I	O	|	|	|	5.29
30.500	0.00	1.25	2.366	I	O	|	|	|	5.27
30.583	0.00	1.23	2.357	I	O	|	|	|	5.26
30.667	0.00	1.22	2.349	I	O	|	|	|	5.24
30.750	0.00	1.21	2.341	I	O	|	|	|	5.23
30.833	0.00	1.20	2.332	I	O	|	|	|	5.22
30.917	0.00	1.19	2.324	I	O	|	|	|	5.20
31.000	0.00	1.17	2.316	I	O	|	|	|	5.19
31.083	0.00	1.16	2.308	I	O	|	|	|	5.18
31.167	0.00	1.15	2.300	I	O	|	|	|	5.16
31.250	0.00	1.14	2.292	I	O	|	|	|	5.15
31.333	0.00	1.13	2.284	I	O	|	|	|	5.14
31.417	0.00	1.11	2.277	I	O	|	|	|	5.13
31.500	0.00	1.10	2.269	I	O	|	|	|	5.11
31.583	0.00	1.09	2.261	I	O	|	|	|	5.10
31.667	0.00	1.08	2.254	I	O	|	|	|	5.09
31.750	0.00	1.07	2.246	I	O	|	|	|	5.08
31.833	0.00	1.06	2.239	I	O	|	|	|	5.06
31.917	0.00	1.05	2.232	I	O	|	|	|	5.05
32.000	0.00	1.04	2.225	I	O	|	|	|	5.04
32.083	0.00	1.03	2.218	I	O	|	|	|	5.03
32.167	0.00	1.02	2.211	I	O	|	|	|	5.02
32.250	0.00	1.01	2.204	I	O	|	|	|	5.01
32.333	0.00	1.00	2.197	I	O	|	|	|	4.99
32.417	0.00	1.00	2.190	I	O	|	|	|	4.98
32.500	0.00	1.00	2.183	I	O	|	|	|	4.97
32.583	0.00	0.99	2.176	I	O	|	|	|	4.96
32.667	0.00	0.99	2.169	I	O	|	|	|	4.94
32.750	0.00	0.99	2.162	I	O	|	|	|	4.93
32.833	0.00	0.99	2.156	I	O	|	|	|	4.92
32.917	0.00	0.99	2.149	I	O	|	|	|	4.91
33.000	0.00	0.99	2.142	I	O	|	|	|	4.89
33.083	0.00	0.99	2.135	I	O	|	|	|	4.88
33.167	0.00	0.98	2.128	I	O	|	|	|	4.87
33.250	0.00	0.98	2.122	I	O	|	|	|	4.86
33.333	0.00	0.98	2.115	I	O	|	|	|	4.85
33.417	0.00	0.98	2.108	I	O	|	|	|	4.83
33.500	0.00	0.98	2.101	I	O	|	|	|	4.82
33.583	0.00	0.98	2.095	I	O	|	|	|	4.81

33.667	0.00	0.98	2.088	I O	|	|	|	4.80
33.750	0.00	0.97	2.081	I O	|	|	|	4.78
33.833	0.00	0.97	2.074	I O	|	|	|	4.77
33.917	0.00	0.97	2.068	I O	|	|	|	4.76
34.000	0.00	0.97	2.061	I O	|	|	|	4.75
34.083	0.00	0.97	2.054	I O	|	|	|	4.74
34.167	0.00	0.97	2.048	I O	|	|	|	4.72
34.250	0.00	0.97	2.041	I O	|	|	|	4.71
34.333	0.00	0.96	2.034	I O	|	|	|	4.70
34.417	0.00	0.96	2.028	I O	|	|	|	4.69
34.500	0.00	0.96	2.021	I O	|	|	|	4.67
34.583	0.00	0.96	2.015	I O	|	|	|	4.66
34.667	0.00	0.96	2.008	I O	|	|	|	4.65
34.750	0.00	0.96	2.001	I O	|	|	|	4.64
34.833	0.00	0.96	1.995	I O	|	|	|	4.63
34.917	0.00	0.95	1.988	I O	|	|	|	4.61
35.000	0.00	0.95	1.982	I O	|	|	|	4.60
35.083	0.00	0.95	1.975	I O	|	|	|	4.59
35.167	0.00	0.95	1.969	I O	|	|	|	4.58
35.250	0.00	0.95	1.962	I O	|	|	|	4.57
35.333	0.00	0.95	1.956	I O	|	|	|	4.56
35.417	0.00	0.95	1.949	I O	|	|	|	4.54
35.500	0.00	0.94	1.943	I O	|	|	|	4.53
35.583	0.00	0.94	1.936	I O	|	|	|	4.52
35.667	0.00	0.94	1.930	I O	|	|	|	4.51
35.750	0.00	0.94	1.923	I O	|	|	|	4.50
35.833	0.00	0.94	1.917	I O	|	|	|	4.48
35.917	0.00	0.94	1.910	I O	|	|	|	4.47
36.000	0.00	0.94	1.904	I O	|	|	|	4.46
36.083	0.00	0.93	1.897	I O	|	|	|	4.45
36.167	0.00	0.93	1.891	I O	|	|	|	4.44
36.250	0.00	0.93	1.884	I O	|	|	|	4.43
36.333	0.00	0.93	1.878	I O	|	|	|	4.41
36.417	0.00	0.93	1.872	I O	|	|	|	4.40
36.500	0.00	0.93	1.865	I O	|	|	|	4.39
36.583	0.00	0.93	1.859	I O	|	|	|	4.38
36.667	0.00	0.92	1.852	I O	|	|	|	4.37
36.750	0.00	0.92	1.846	I O	|	|	|	4.36
36.833	0.00	0.92	1.840	I O	|	|	|	4.34
36.917	0.00	0.92	1.833	I O	|	|	|	4.33
37.000	0.00	0.92	1.827	I O	|	|	|	4.32
37.083	0.00	0.92	1.821	I O	|	|	|	4.31
37.167	0.00	0.92	1.814	I O	|	|	|	4.30
37.250	0.00	0.91	1.808	I O	|	|	|	4.29
37.333	0.00	0.91	1.802	I O	|	|	|	4.28
37.417	0.00	0.91	1.796	I O	|	|	|	4.26
37.500	0.00	0.91	1.789	I O	|	|	|	4.25
37.583	0.00	0.91	1.783	I O	|	|	|	4.24
37.667	0.00	0.91	1.777	I O	|	|	|	4.23
37.750	0.00	0.91	1.771	I O	|	|	|	4.22
37.833	0.00	0.90	1.764	I O	|	|	|	4.21
37.917	0.00	0.90	1.758	I O	|	|	|	4.20
38.000	0.00	0.90	1.752	I O	|	|	|	4.19
38.083	0.00	0.90	1.746	I O	|	|	|	4.17
38.167	0.00	0.90	1.739	I O	|	|	|	4.16
38.250	0.00	0.90	1.733	I O	|	|	|	4.15
38.333	0.00	0.90	1.727	I O	|	|	|	4.14
38.417	0.00	0.90	1.721	I O	|	|	|	4.13
38.500	0.00	0.89	1.715	I O	|	|	|	4.12
38.583	0.00	0.89	1.709	I O	|	|	|	4.11
38.667	0.00	0.89	1.702	I O	|	|	|	4.10
38.750	0.00	0.89	1.696	I O	|	|	|	4.08
38.833	0.00	0.89	1.690	I O	|	|	|	4.07
38.917	0.00	0.89	1.684	I O	|	|	|	4.06
39.000	0.00	0.89	1.678	I O	|	|	|	4.05
39.083	0.00	0.88	1.672	I O	|	|	|	4.04
39.167	0.00	0.88	1.666	I O	|	|	|	4.03

39.250	0.00	0.88	1.660	I O	|	|	|	4.02
39.333	0.00	0.88	1.654	I O	|	|	|	4.01
39.417	0.00	0.88	1.648	I O	|	|	|	4.00
39.500	0.00	0.88	1.641	I O	|	|	|	3.98
39.583	0.00	0.88	1.635	I O	|	|	|	3.97
39.667	0.00	0.87	1.629	I O	|	|	|	3.96
39.750	0.00	0.87	1.623	I O	|	|	|	3.95
39.833	0.00	0.87	1.617	I O	|	|	|	3.93
39.917	0.00	0.87	1.611	I O	|	|	|	3.92
40.000	0.00	0.87	1.605	I O	|	|	|	3.91
40.083	0.00	0.87	1.599	I O	|	|	|	3.90
40.167	0.00	0.87	1.593	I O	|	|	|	3.89
40.250	0.00	0.86	1.588	I O	|	|	|	3.88
40.333	0.00	0.86	1.582	I O	|	|	|	3.86
40.417	0.00	0.86	1.576	I O	|	|	|	3.85
40.500	0.00	0.86	1.570	I O	|	|	|	3.84
40.583	0.00	0.86	1.564	I O	|	|	|	3.83
40.667	0.00	0.86	1.558	I O	|	|	|	3.82
40.750	0.00	0.85	1.552	I O	|	|	|	3.80
40.833	0.00	0.85	1.546	I O	|	|	|	3.79
40.917	0.00	0.85	1.540	I O	|	|	|	3.78
41.000	0.00	0.85	1.534	I O	|	|	|	3.77
41.083	0.00	0.85	1.529	I O	|	|	|	3.76
41.167	0.00	0.85	1.523	I O	|	|	|	3.75
41.250	0.00	0.85	1.517	I O	|	|	|	3.73
41.333	0.00	0.84	1.511	I O	|	|	|	3.72
41.417	0.00	0.84	1.505	IO	|	|	|	3.71
41.500	0.00	0.84	1.499	IO	|	|	|	3.70
41.583	0.00	0.84	1.494	IO	|	|	|	3.69
41.667	0.00	0.84	1.488	IO	|	|	|	3.68
41.750	0.00	0.84	1.482	IO	|	|	|	3.66
41.833	0.00	0.83	1.476	IO	|	|	|	3.65
41.917	0.00	0.83	1.471	IO	|	|	|	3.64
42.000	0.00	0.83	1.465	IO	|	|	|	3.63
42.083	0.00	0.83	1.459	IO	|	|	|	3.62
42.167	0.00	0.83	1.453	IO	|	|	|	3.61
42.250	0.00	0.83	1.448	IO	|	|	|	3.60
42.333	0.00	0.83	1.442	IO	|	|	|	3.58
42.417	0.00	0.82	1.436	IO	|	|	|	3.57
42.500	0.00	0.82	1.431	IO	|	|	|	3.56
42.583	0.00	0.82	1.425	IO	|	|	|	3.55
42.667	0.00	0.82	1.419	IO	|	|	|	3.54
42.750	0.00	0.82	1.414	IO	|	|	|	3.53
42.833	0.00	0.82	1.408	IO	|	|	|	3.52
42.917	0.00	0.82	1.403	IO	|	|	|	3.51
43.000	0.00	0.81	1.397	IO	|	|	|	3.49
43.083	0.00	0.81	1.391	IO	|	|	|	3.48
43.167	0.00	0.81	1.386	IO	|	|	|	3.47
43.250	0.00	0.81	1.380	IO	|	|	|	3.46
43.333	0.00	0.81	1.375	IO	|	|	|	3.45
43.417	0.00	0.81	1.369	IO	|	|	|	3.44
43.500	0.00	0.81	1.363	IO	|	|	|	3.43
43.583	0.00	0.80	1.358	IO	|	|	|	3.42
43.667	0.00	0.80	1.352	IO	|	|	|	3.40
43.750	0.00	0.80	1.347	IO	|	|	|	3.39
43.833	0.00	0.80	1.341	IO	|	|	|	3.38
43.917	0.00	0.80	1.336	IO	|	|	|	3.37
44.000	0.00	0.80	1.330	IO	|	|	|	3.36
44.083	0.00	0.80	1.325	IO	|	|	|	3.35
44.167	0.00	0.79	1.319	IO	|	|	|	3.34
44.250	0.00	0.79	1.314	IO	|	|	|	3.33
44.333	0.00	0.79	1.308	IO	|	|	|	3.32
44.417	0.00	0.79	1.303	IO	|	|	|	3.31
44.500	0.00	0.79	1.298	IO	|	|	|	3.30
44.583	0.00	0.79	1.292	IO	|	|	|	3.28
44.667	0.00	0.79	1.287	IO	|	|	|	3.27
44.750	0.00	0.78	1.281	IO	|	|	|	3.26

44.833	0.00	0.78	1.276	IO				3.25
44.917	0.00	0.78	1.271	IO				3.24
45.000	0.00	0.78	1.265	IO				3.23
45.083	0.00	0.78	1.260	IO				3.22
45.167	0.00	0.78	1.254	IO				3.21
45.250	0.00	0.78	1.249	IO				3.20
45.333	0.00	0.77	1.244	IO				3.19
45.417	0.00	0.77	1.238	IO				3.18
45.500	0.00	0.77	1.233	IO				3.17
45.583	0.00	0.77	1.228	IO				3.16
45.667	0.00	0.77	1.223	IO				3.15
45.750	0.00	0.77	1.217	IO				3.13
45.833	0.00	0.77	1.212	IO				3.12
45.917	0.00	0.76	1.207	IO				3.11
46.000	0.00	0.76	1.201	IO				3.10
46.083	0.00	0.76	1.196	IO				3.09
46.167	0.00	0.76	1.191	IO				3.08
46.250	0.00	0.76	1.186	IO				3.07
46.333	0.00	0.76	1.180	IO				3.06
46.417	0.00	0.76	1.175	IO				3.05
46.500	0.00	0.76	1.170	IO				3.04
46.583	0.00	0.75	1.165	IO				3.03
46.667	0.00	0.75	1.160	IO				3.02
46.750	0.00	0.75	1.154	IO				3.01
46.833	0.00	0.75	1.149	IO				3.00
46.917	0.00	0.75	1.144	IO				2.99
47.000	0.00	0.75	1.139	IO				2.97
47.083	0.00	0.74	1.134	IO				2.96
47.167	0.00	0.74	1.129	IO				2.95
47.250	0.00	0.74	1.124	IO				2.94
47.333	0.00	0.74	1.119	IO				2.93
47.417	0.00	0.74	1.113	IO				2.92
47.500	0.00	0.73	1.108	IO				2.90
47.583	0.00	0.73	1.103	IO				2.89
47.667	0.00	0.73	1.098	IO				2.88
47.750	0.00	0.73	1.093	IO				2.87
47.833	0.00	0.73	1.088	IO				2.86
47.917	0.00	0.72	1.083	IO				2.84
48.000	0.00	0.72	1.078	IO				2.83
48.083	0.00	0.72	1.073	IO				2.82
48.167	0.00	0.72	1.068	IO				2.81
48.250	0.00	0.72	1.064	IO				2.80
48.333	0.00	0.71	1.059	IO				2.79
48.417	0.00	0.71	1.054	IO				2.78
48.500	0.00	0.71	1.049	IO				2.76
48.583	0.00	0.71	1.044	IO				2.75
48.667	0.00	0.71	1.039	IO				2.74
48.750	0.00	0.70	1.034	IO				2.73
48.833	0.00	0.70	1.029	IO				2.72
48.917	0.00	0.70	1.025	IO				2.71
49.000	0.00	0.70	1.020	IO				2.70
49.083	0.00	0.70	1.015	IO				2.69
49.167	0.00	0.69	1.010	IO				2.67
49.250	0.00	0.69	1.005	IO				2.66
49.333	0.00	0.69	1.001	IO				2.65
49.417	0.00	0.69	0.996	IO				2.64
49.500	0.00	0.69	0.991	IO				2.63
49.583	0.00	0.69	0.986	IO				2.62
49.667	0.00	0.68	0.982	IO				2.61
49.750	0.00	0.68	0.977	IO				2.60
49.833	0.00	0.68	0.972	IO				2.59
49.917	0.00	0.68	0.968	IO				2.58
50.000	0.00	0.68	0.963	IO				2.56
50.083	0.00	0.67	0.958	IO				2.55
50.167	0.00	0.67	0.954	IO				2.54
50.250	0.00	0.67	0.949	IO				2.53
50.333	0.00	0.67	0.944	IO				2.52

50.417	0.00	0.67	0.940	IO				2.51
50.500	0.00	0.67	0.935	IO				2.50
50.583	0.00	0.66	0.931	IO				2.49
50.667	0.00	0.66	0.926	IO				2.48
50.750	0.00	0.66	0.922	IO				2.47
50.833	0.00	0.66	0.917	IO				2.46
50.917	0.00	0.66	0.912	IO				2.45
51.000	0.00	0.65	0.908	IO				2.44
51.083	0.00	0.65	0.903	IO				2.43
51.167	0.00	0.65	0.899	IO				2.42
51.250	0.00	0.65	0.894	IO				2.41
51.333	0.00	0.65	0.890	IO				2.40
51.417	0.00	0.65	0.886	IO				2.38
51.500	0.00	0.64	0.881	IO				2.37
51.583	0.00	0.64	0.877	IO				2.36
51.667	0.00	0.64	0.872	IO				2.35
51.750	0.00	0.64	0.868	IO				2.34
51.833	0.00	0.64	0.863	IO				2.33
51.917	0.00	0.63	0.859	IO				2.32
52.000	0.00	0.63	0.855	IO				2.31
52.083	0.00	0.63	0.850	IO				2.30
52.167	0.00	0.63	0.846	IO				2.29
52.250	0.00	0.63	0.842	IO				2.28
52.333	0.00	0.63	0.837	IO				2.27
52.417	0.00	0.62	0.833	IO				2.26
52.500	0.00	0.62	0.829	IO				2.25
52.583	0.00	0.62	0.824	IO				2.24
52.667	0.00	0.62	0.820	IO				2.23
52.750	0.00	0.62	0.816	IO				2.22
52.833	0.00	0.62	0.812	IO				2.21
52.917	0.00	0.61	0.807	IO				2.20
53.000	0.00	0.61	0.803	IO				2.19
53.083	0.00	0.61	0.799	IO				2.18
53.167	0.00	0.61	0.795	IO				2.17
53.250	0.00	0.61	0.791	IO				2.16
53.333	0.00	0.61	0.786	IO				2.15
53.417	0.00	0.60	0.782	IO				2.14
53.500	0.00	0.60	0.778	IO				2.14
53.583	0.00	0.60	0.774	IO				2.13
53.667	0.00	0.60	0.770	IO				2.12
53.750	0.00	0.60	0.766	IO				2.11
53.833	0.00	0.60	0.762	IO				2.10
53.917	0.00	0.59	0.757	IO				2.09
54.000	0.00	0.59	0.753	IO				2.08
54.083	0.00	0.59	0.749	IO				2.07
54.167	0.00	0.59	0.745	IO				2.06
54.250	0.00	0.59	0.741	IO				2.05
54.333	0.00	0.59	0.737	IO				2.04
54.417	0.00	0.59	0.733	IO				2.03
54.500	0.00	0.58	0.729	IO				2.02
54.583	0.00	0.58	0.725	IO				2.01
54.667	0.00	0.58	0.721	IO				2.00
54.750	0.00	0.58	0.717	IO				1.99
54.833	0.00	0.58	0.713	IO				1.98
54.917	0.00	0.57	0.709	IO				1.97
55.000	0.00	0.57	0.705	IO				1.96
55.083	0.00	0.57	0.701	IO				1.95
55.167	0.00	0.57	0.697	IO				1.94
55.250	0.00	0.57	0.693	IO				1.93
55.333	0.00	0.56	0.690	IO				1.92
55.417	0.00	0.56	0.686	IO				1.91
55.500	0.00	0.56	0.682	IO				1.90
55.583	0.00	0.56	0.678	IO				1.89
55.667	0.00	0.55	0.674	IO				1.88
55.750	0.00	0.55	0.670	IO				1.87
55.833	0.00	0.55	0.667	IO				1.86
55.917	0.00	0.55	0.663	IO				1.85

56.000	0.00	0.55	0.659	IO				1.84
56.083	0.00	0.54	0.655	IO				1.83
56.167	0.00	0.54	0.652	IO				1.82
56.250	0.00	0.54	0.648	IO				1.81
56.333	0.00	0.54	0.644	IO				1.81
56.417	0.00	0.54	0.640	IO				1.80
56.500	0.00	0.53	0.637	IO				1.79
56.583	0.00	0.53	0.633	IO				1.78
56.667	0.00	0.53	0.629	IO				1.77
56.750	0.00	0.53	0.626	IO				1.76
56.833	0.00	0.52	0.622	IO				1.75
56.917	0.00	0.52	0.619	IO				1.74
57.000	0.00	0.52	0.615	IO				1.73
57.083	0.00	0.52	0.611	IO				1.72
57.167	0.00	0.52	0.608	IO				1.71
57.250	0.00	0.51	0.604	IO				1.70
57.333	0.00	0.51	0.601	IO				1.69
57.417	0.00	0.51	0.597	IO				1.69
57.500	0.00	0.51	0.594	IO				1.68
57.583	0.00	0.51	0.590	IO				1.67
57.667	0.00	0.50	0.587	IO				1.66
57.750	0.00	0.50	0.583	IO				1.65
57.833	0.00	0.50	0.580	IO				1.64
57.917	0.00	0.50	0.576	IO				1.63
58.000	0.00	0.50	0.573	IO				1.62
58.083	0.00	0.50	0.570	IO				1.61
58.167	0.00	0.49	0.566	IO				1.61
58.250	0.00	0.49	0.563	IO				1.60
58.333	0.00	0.49	0.559	IO				1.59
58.417	0.00	0.49	0.556	IO				1.58
58.500	0.00	0.49	0.553	IO				1.57
58.583	0.00	0.48	0.549	IO				1.56
58.667	0.00	0.48	0.546	IO				1.55
58.750	0.00	0.48	0.543	IO				1.55
58.833	0.00	0.48	0.539	IO				1.54
58.917	0.00	0.48	0.536	IO				1.53
59.000	0.00	0.47	0.533	IO				1.52
59.083	0.00	0.47	0.530	IO				1.51
59.167	0.00	0.47	0.526	IO				1.50
59.250	0.00	0.47	0.523	IO				1.50
59.333	0.00	0.47	0.520	IO				1.49
59.417	0.00	0.47	0.517	IO				1.48
59.500	0.00	0.46	0.513	IO				1.47
59.583	0.00	0.46	0.510	IO				1.46
59.667	0.00	0.46	0.507	IO				1.45
59.750	0.00	0.46	0.504	IO				1.45
59.833	0.00	0.46	0.501	IO				1.44
59.917	0.00	0.45	0.498	IO				1.43
60.000	0.00	0.45	0.494	IO				1.42
60.083	0.00	0.45	0.491	IO				1.41
60.167	0.00	0.45	0.488	IO				1.41
60.250	0.00	0.45	0.485	IO				1.40
60.333	0.00	0.45	0.482	IO				1.39
60.417	0.00	0.44	0.479	IO				1.38
60.500	0.00	0.44	0.476	IO				1.37
60.583	0.00	0.44	0.473	IO				1.37
60.667	0.00	0.44	0.470	IO				1.36
60.750	0.00	0.44	0.467	IO				1.35
60.833	0.00	0.44	0.464	IO				1.34
60.917	0.00	0.43	0.461	IO				1.34
61.000	0.00	0.43	0.458	IO				1.33
61.083	0.00	0.43	0.455	IO				1.32
61.167	0.00	0.43	0.452	IO				1.31
61.250	0.00	0.43	0.449	IO				1.31
61.333	0.00	0.43	0.446	IO				1.30
61.417	0.00	0.42	0.443	IO				1.29
61.500	0.00	0.42	0.440	IO				1.28

61.583	0.00	0.42	0.437	O	|	|	|	|	1.28
61.667	0.00	0.42	0.434	O	|	|	|	|	1.27
61.750	0.00	0.42	0.432	O	|	|	|	|	1.26
61.833	0.00	0.42	0.429	O	|	|	|	|	1.25
61.917	0.00	0.41	0.426	O	|	|	|	|	1.25
62.000	0.00	0.41	0.423	O	|	|	|	|	1.24
62.083	0.00	0.41	0.420	O	|	|	|	|	1.23
62.167	0.00	0.41	0.417	O	|	|	|	|	1.22
62.250	0.00	0.41	0.415	O	|	|	|	|	1.22
62.333	0.00	0.41	0.412	O	|	|	|	|	1.21
62.417	0.00	0.40	0.409	O	|	|	|	|	1.20
62.500	0.00	0.40	0.406	O	|	|	|	|	1.20
62.583	0.00	0.40	0.403	O	|	|	|	|	1.19
62.667	0.00	0.40	0.401	O	|	|	|	|	1.18
62.750	0.00	0.40	0.398	O	|	|	|	|	1.17
62.833	0.00	0.40	0.395	O	|	|	|	|	1.17
62.917	0.00	0.40	0.392	O	|	|	|	|	1.16
63.000	0.00	0.39	0.390	O	|	|	|	|	1.15
63.083	0.00	0.39	0.387	O	|	|	|	|	1.15
63.167	0.00	0.39	0.384	O	|	|	|	|	1.14
63.250	0.00	0.39	0.382	O	|	|	|	|	1.13
63.333	0.00	0.39	0.379	O	|	|	|	|	1.13
63.417	0.00	0.39	0.376	O	|	|	|	|	1.12
63.500	0.00	0.38	0.374	O	|	|	|	|	1.11
63.583	0.00	0.38	0.371	O	|	|	|	|	1.11
63.667	0.00	0.38	0.368	O	|	|	|	|	1.10
63.750	0.00	0.38	0.366	O	|	|	|	|	1.09
63.833	0.00	0.38	0.363	O	|	|	|	|	1.08
63.917	0.00	0.38	0.361	O	|	|	|	|	1.08
64.000	0.00	0.38	0.358	O	|	|	|	|	1.07
64.083	0.00	0.37	0.355	O	|	|	|	|	1.07
64.167	0.00	0.37	0.353	O	|	|	|	|	1.06
64.250	0.00	0.37	0.350	O	|	|	|	|	1.05
64.333	0.00	0.37	0.348	O	|	|	|	|	1.05
64.417	0.00	0.37	0.345	O	|	|	|	|	1.04
64.500	0.00	0.37	0.343	O	|	|	|	|	1.03
64.583	0.00	0.37	0.340	O	|	|	|	|	1.03
64.667	0.00	0.36	0.338	O	|	|	|	|	1.02
64.750	0.00	0.36	0.335	O	|	|	|	|	1.01
64.833	0.00	0.36	0.333	O	|	|	|	|	1.01
64.917	0.00	0.36	0.330	O	|	|	|	|	1.00
65.000	0.00	0.36	0.328	O	|	|	|	|	0.99
65.083	0.00	0.35	0.325	O	|	|	|	|	0.99
65.167	0.00	0.35	0.323	O	|	|	|	|	0.98
65.250	0.00	0.35	0.320	O	|	|	|	|	0.97
65.333	0.00	0.35	0.318	O	|	|	|	|	0.96
65.417	0.00	0.34	0.316	O	|	|	|	|	0.96
65.500	0.00	0.34	0.313	O	|	|	|	|	0.95
65.583	0.00	0.34	0.311	O	|	|	|	|	0.94
65.667	0.00	0.34	0.308	O	|	|	|	|	0.93
65.750	0.00	0.33	0.306	O	|	|	|	|	0.93
65.833	0.00	0.33	0.304	O	|	|	|	|	0.92
65.917	0.00	0.33	0.302	O	|	|	|	|	0.91
66.000	0.00	0.33	0.299	O	|	|	|	|	0.91
66.083	0.00	0.32	0.297	O	|	|	|	|	0.90
66.167	0.00	0.32	0.295	O	|	|	|	|	0.89
66.250	0.00	0.32	0.293	O	|	|	|	|	0.89
66.333	0.00	0.32	0.290	O	|	|	|	|	0.88
66.417	0.00	0.31	0.288	O	|	|	|	|	0.87
66.500	0.00	0.31	0.286	O	|	|	|	|	0.87
66.583	0.00	0.31	0.284	O	|	|	|	|	0.86
66.667	0.00	0.31	0.282	O	|	|	|	|	0.85
66.750	0.00	0.31	0.280	O	|	|	|	|	0.85
66.833	0.00	0.30	0.278	O	|	|	|	|	0.84
66.917	0.00	0.30	0.276	O	|	|	|	|	0.84
67.000	0.00	0.30	0.274	O	|	|	|	|	0.83
67.083	0.00	0.30	0.272	O	|	|	|	|	0.82

67.167	0.00	0.29	0.269	O	|	|	|	0.82
67.250	0.00	0.29	0.267	O	|	|	|	0.81
67.333	0.00	0.29	0.265	O	|	|	|	0.80
67.417	0.00	0.29	0.263	O	|	|	|	0.80
67.500	0.00	0.29	0.261	O	|	|	|	0.79
67.583	0.00	0.28	0.260	O	|	|	|	0.79
67.667	0.00	0.28	0.258	O	|	|	|	0.78
67.750	0.00	0.28	0.256	O	|	|	|	0.77
67.833	0.00	0.28	0.254	O	|	|	|	0.77
67.917	0.00	0.27	0.252	O	|	|	|	0.76
68.000	0.00	0.27	0.250	O	|	|	|	0.76
68.083	0.00	0.27	0.248	O	|	|	|	0.75
68.167	0.00	0.27	0.246	O	|	|	|	0.75
68.250	0.00	0.27	0.244	O	|	|	|	0.74
68.333	0.00	0.26	0.243	O	|	|	|	0.74
68.417	0.00	0.26	0.241	O	|	|	|	0.73
68.500	0.00	0.26	0.239	O	|	|	|	0.72
68.583	0.00	0.26	0.237	O	|	|	|	0.72
68.667	0.00	0.26	0.235	O	|	|	|	0.71
68.750	0.00	0.25	0.234	O	|	|	|	0.71
68.833	0.00	0.25	0.232	O	|	|	|	0.70
68.917	0.00	0.25	0.230	O	|	|	|	0.70
69.000	0.00	0.25	0.228	O	|	|	|	0.69
69.083	0.00	0.25	0.227	O	|	|	|	0.69
69.167	0.00	0.25	0.225	O	|	|	|	0.68
69.250	0.00	0.24	0.223	O	|	|	|	0.68
69.333	0.00	0.24	0.222	O	|	|	|	0.67
69.417	0.00	0.24	0.220	O	|	|	|	0.67
69.500	0.00	0.24	0.218	O	|	|	|	0.66
69.583	0.00	0.24	0.217	O	|	|	|	0.66
69.667	0.00	0.23	0.215	O	|	|	|	0.65
69.750	0.00	0.23	0.213	O	|	|	|	0.65
69.833	0.00	0.23	0.212	O	|	|	|	0.64
69.917	0.00	0.23	0.210	O	|	|	|	0.64
70.000	0.00	0.23	0.209	O	|	|	|	0.63
70.083	0.00	0.23	0.207	O	|	|	|	0.63
70.167	0.00	0.22	0.206	O	|	|	|	0.62
70.250	0.00	0.22	0.204	O	|	|	|	0.62
70.333	0.00	0.22	0.203	O	|	|	|	0.61
70.417	0.00	0.22	0.201	O	|	|	|	0.61
70.500	0.00	0.22	0.200	O	|	|	|	0.60
70.583	0.00	0.22	0.198	O	|	|	|	0.60
70.667	0.00	0.21	0.197	O	|	|	|	0.60
70.750	0.00	0.21	0.195	O	|	|	|	0.59
70.833	0.00	0.21	0.194	O	|	|	|	0.59
70.917	0.00	0.21	0.192	O	|	|	|	0.58
71.000	0.00	0.21	0.191	O	|	|	|	0.58
71.083	0.00	0.21	0.189	O	|	|	|	0.57
71.167	0.00	0.20	0.188	O	|	|	|	0.57
71.250	0.00	0.20	0.186	O	|	|	|	0.57
71.333	0.00	0.20	0.185	O	|	|	|	0.56
71.417	0.00	0.20	0.184	O	|	|	|	0.56
71.500	0.00	0.20	0.182	O	|	|	|	0.55
71.583	0.00	0.20	0.181	O	|	|	|	0.55
71.667	0.00	0.20	0.180	O	|	|	|	0.54
71.750	0.00	0.19	0.178	O	|	|	|	0.54
71.833	0.00	0.19	0.177	O	|	|	|	0.54
71.917	0.00	0.19	0.176	O	|	|	|	0.53
72.000	0.00	0.19	0.174	O	|	|	|	0.53
72.083	0.00	0.19	0.173	O	|	|	|	0.52
72.167	0.00	0.19	0.172	O	|	|	|	0.52
72.250	0.00	0.19	0.170	O	|	|	|	0.52
72.333	0.00	0.18	0.169	O	|	|	|	0.51
72.417	0.00	0.18	0.168	O	|	|	|	0.51
72.500	0.00	0.18	0.167	O	|	|	|	0.50
72.583	0.00	0.18	0.165	O	|	|	|	0.50
72.667	0.00	0.18	0.164	O	|	|	|	0.50

72.750	0.00	0.18	0.163	O	|	|	|	0.49
72.833	0.00	0.18	0.162	O	|	|	|	0.49
72.917	0.00	0.18	0.160	O	|	|	|	0.49
73.000	0.00	0.17	0.159	O	|	|	|	0.48
73.083	0.00	0.17	0.158	O	|	|	|	0.48
73.167	0.00	0.17	0.157	O	|	|	|	0.48
73.250	0.00	0.17	0.156	O	|	|	|	0.47
73.333	0.00	0.17	0.155	O	|	|	|	0.47
73.417	0.00	0.17	0.153	O	|	|	|	0.46
73.500	0.00	0.17	0.152	O	|	|	|	0.46
73.583	0.00	0.16	0.151	O	|	|	|	0.46
73.667	0.00	0.16	0.150	O	|	|	|	0.45
73.750	0.00	0.16	0.149	O	|	|	|	0.45
73.833	0.00	0.16	0.148	O	|	|	|	0.45
73.917	0.00	0.16	0.147	O	|	|	|	0.44
74.000	0.00	0.16	0.146	O	|	|	|	0.44
74.083	0.00	0.16	0.144	O	|	|	|	0.44
74.167	0.00	0.16	0.143	O	|	|	|	0.43
74.250	0.00	0.16	0.142	O	|	|	|	0.43
74.333	0.00	0.15	0.141	O	|	|	|	0.43
74.417	0.00	0.15	0.140	O	|	|	|	0.42
74.500	0.00	0.15	0.139	O	|	|	|	0.42
74.583	0.00	0.15	0.138	O	|	|	|	0.42
74.667	0.00	0.15	0.137	O	|	|	|	0.42
74.750	0.00	0.15	0.136	O	|	|	|	0.41
74.833	0.00	0.15	0.135	O	|	|	|	0.41
74.917	0.00	0.15	0.134	O	|	|	|	0.41
75.000	0.00	0.15	0.133	O	|	|	|	0.40
75.083	0.00	0.14	0.132	O	|	|	|	0.40
75.167	0.00	0.14	0.131	O	|	|	|	0.40
75.250	0.00	0.14	0.130	O	|	|	|	0.39
75.333	0.00	0.14	0.129	O	|	|	|	0.39
75.417	0.00	0.14	0.128	O	|	|	|	0.39
75.500	0.00	0.14	0.127	O	|	|	|	0.39
75.583	0.00	0.14	0.126	O	|	|	|	0.38
75.667	0.00	0.14	0.125	O	|	|	|	0.38
75.750	0.00	0.14	0.124	O	|	|	|	0.38
75.833	0.00	0.13	0.123	O	|	|	|	0.37
75.917	0.00	0.13	0.122	O	|	|	|	0.37
76.000	0.00	0.13	0.122	O	|	|	|	0.37
76.083	0.00	0.13	0.121	O	|	|	|	0.37
76.167	0.00	0.13	0.120	O	|	|	|	0.36
76.250	0.00	0.13	0.119	O	|	|	|	0.36
76.333	0.00	0.13	0.118	O	|	|	|	0.36
76.417	0.00	0.13	0.117	O	|	|	|	0.35
76.500	0.00	0.13	0.116	O	|	|	|	0.35
76.583	0.00	0.13	0.115	O	|	|	|	0.35
76.667	0.00	0.12	0.114	O	|	|	|	0.35
76.750	0.00	0.12	0.114	O	|	|	|	0.34
76.833	0.00	0.12	0.113	O	|	|	|	0.34
76.917	0.00	0.12	0.112	O	|	|	|	0.34
77.000	0.00	0.12	0.111	O	|	|	|	0.34
77.083	0.00	0.12	0.110	O	|	|	|	0.33
77.167	0.00	0.12	0.109	O	|	|	|	0.33
77.250	0.00	0.12	0.109	O	|	|	|	0.33
77.333	0.00	0.12	0.108	O	|	|	|	0.33
77.417	0.00	0.12	0.107	O	|	|	|	0.32
77.500	0.00	0.12	0.106	O	|	|	|	0.32
77.583	0.00	0.11	0.105	O	|	|	|	0.32
77.667	0.00	0.11	0.105	O	|	|	|	0.32
77.750	0.00	0.11	0.104	O	|	|	|	0.31
77.833	0.00	0.11	0.103	O	|	|	|	0.31
77.917	0.00	0.11	0.102	O	|	|	|	0.31
78.000	0.00	0.11	0.101	O	|	|	|	0.31
78.083	0.00	0.11	0.101	O	|	|	|	0.31
78.167	0.00	0.11	0.100	O	|	|	|	0.30
78.250	0.00	0.11	0.099	O	|	|	|	0.30

78.333	0.00	0.11	0.098	O	|	|	|	|	0.30
78.417	0.00	0.11	0.098	O	|	|	|	|	0.30
78.500	0.00	0.11	0.097	O	|	|	|	|	0.29
78.583	0.00	0.11	0.096	O	|	|	|	|	0.29
78.667	0.00	0.10	0.096	O	|	|	|	|	0.29
78.750	0.00	0.10	0.095	O	|	|	|	|	0.29
78.833	0.00	0.10	0.094	O	|	|	|	|	0.29
78.917	0.00	0.10	0.093	O	|	|	|	|	0.28
79.000	0.00	0.10	0.093	O	|	|	|	|	0.28
79.083	0.00	0.10	0.092	O	|	|	|	|	0.28
79.167	0.00	0.10	0.091	O	|	|	|	|	0.28
79.250	0.00	0.10	0.091	O	|	|	|	|	0.27
79.333	0.00	0.10	0.090	O	|	|	|	|	0.27
79.417	0.00	0.10	0.089	O	|	|	|	|	0.27
79.500	0.00	0.10	0.089	O	|	|	|	|	0.27
79.583	0.00	0.10	0.088	O	|	|	|	|	0.27
79.667	0.00	0.10	0.087	O	|	|	|	|	0.26
79.750	0.00	0.09	0.087	O	|	|	|	|	0.26
79.833	0.00	0.09	0.086	O	|	|	|	|	0.26
79.917	0.00	0.09	0.085	O	|	|	|	|	0.26
80.000	0.00	0.09	0.085	O	|	|	|	|	0.26
80.083	0.00	0.09	0.084	O	|	|	|	|	0.25
80.167	0.00	0.09	0.083	O	|	|	|	|	0.25
80.250	0.00	0.09	0.083	O	|	|	|	|	0.25
80.333	0.00	0.09	0.082	O	|	|	|	|	0.25
80.417	0.00	0.09	0.082	O	|	|	|	|	0.25
80.500	0.00	0.09	0.081	O	|	|	|	|	0.25
80.583	0.00	0.09	0.080	O	|	|	|	|	0.24
80.667	0.00	0.09	0.080	O	|	|	|	|	0.24
80.750	0.00	0.09	0.079	O	|	|	|	|	0.24
80.833	0.00	0.09	0.079	O	|	|	|	|	0.24
80.917	0.00	0.09	0.078	O	|	|	|	|	0.24
81.000	0.00	0.08	0.077	O	|	|	|	|	0.23
81.083	0.00	0.08	0.077	O	|	|	|	|	0.23
81.167	0.00	0.08	0.076	O	|	|	|	|	0.23
81.250	0.00	0.08	0.076	O	|	|	|	|	0.23
81.333	0.00	0.08	0.075	O	|	|	|	|	0.23
81.417	0.00	0.08	0.075	O	|	|	|	|	0.23
81.500	0.00	0.08	0.074	O	|	|	|	|	0.22
81.583	0.00	0.08	0.073	O	|	|	|	|	0.22
81.667	0.00	0.08	0.073	O	|	|	|	|	0.22
81.750	0.00	0.08	0.072	O	|	|	|	|	0.22
81.833	0.00	0.08	0.072	O	|	|	|	|	0.22
81.917	0.00	0.08	0.071	O	|	|	|	|	0.22
82.000	0.00	0.08	0.071	O	|	|	|	|	0.21
82.083	0.00	0.08	0.070	O	|	|	|	|	0.21
82.167	0.00	0.08	0.070	O	|	|	|	|	0.21
82.250	0.00	0.08	0.069	O	|	|	|	|	0.21
82.333	0.00	0.07	0.069	O	|	|	|	|	0.21
82.417	0.00	0.07	0.068	O	|	|	|	|	0.21
82.500	0.00	0.07	0.068	O	|	|	|	|	0.20
82.583	0.00	0.07	0.067	O	|	|	|	|	0.20
82.667	0.00	0.07	0.067	O	|	|	|	|	0.20
82.750	0.00	0.07	0.066	O	|	|	|	|	0.20
82.833	0.00	0.07	0.066	O	|	|	|	|	0.20
82.917	0.00	0.07	0.065	O	|	|	|	|	0.20
83.000	0.00	0.07	0.065	O	|	|	|	|	0.20
83.083	0.00	0.07	0.064	O	|	|	|	|	0.19
83.167	0.00	0.07	0.064	O	|	|	|	|	0.19
83.250	0.00	0.07	0.063	O	|	|	|	|	0.19
83.333	0.00	0.07	0.063	O	|	|	|	|	0.19
83.417	0.00	0.07	0.062	O	|	|	|	|	0.19
83.500	0.00	0.07	0.062	O	|	|	|	|	0.19
83.583	0.00	0.07	0.061	O	|	|	|	|	0.19
83.667	0.00	0.07	0.061	O	|	|	|	|	0.18
83.750	0.00	0.07	0.060	O	|	|	|	|	0.18
83.833	0.00	0.07	0.060	O	|	|	|	|	0.18

83.917	0.00	0.06	0.060	O	|	|	|	0.18
84.000	0.00	0.06	0.059	O	|	|	|	0.18
84.083	0.00	0.06	0.059	O	|	|	|	0.18
84.167	0.00	0.06	0.058	O	|	|	|	0.18
84.250	0.00	0.06	0.058	O	|	|	|	0.18
84.333	0.00	0.06	0.057	O	|	|	|	0.17
84.417	0.00	0.06	0.057	O	|	|	|	0.17
84.500	0.00	0.06	0.056	O	|	|	|	0.17
84.583	0.00	0.06	0.056	O	|	|	|	0.17
84.667	0.00	0.06	0.056	O	|	|	|	0.17
84.750	0.00	0.06	0.055	O	|	|	|	0.17
84.833	0.00	0.06	0.055	O	|	|	|	0.17
84.917	0.00	0.06	0.054	O	|	|	|	0.16
85.000	0.00	0.06	0.054	O	|	|	|	0.16
85.083	0.00	0.06	0.054	O	|	|	|	0.16
85.167	0.00	0.06	0.053	O	|	|	|	0.16
85.250	0.00	0.06	0.053	O	|	|	|	0.16
85.333	0.00	0.06	0.052	O	|	|	|	0.16
85.417	0.00	0.06	0.052	O	|	|	|	0.16
85.500	0.00	0.06	0.052	O	|	|	|	0.16
85.583	0.00	0.06	0.051	O	|	|	|	0.16
85.667	0.00	0.06	0.051	O	|	|	|	0.15
85.750	0.00	0.06	0.050	O	|	|	|	0.15
85.833	0.00	0.05	0.050	O	|	|	|	0.15
85.917	0.00	0.05	0.050	O	|	|	|	0.15
86.000	0.00	0.05	0.049	O	|	|	|	0.15
86.083	0.00	0.05	0.049	O	|	|	|	0.15
86.167	0.00	0.05	0.049	O	|	|	|	0.15
86.250	0.00	0.05	0.048	O	|	|	|	0.15
86.333	0.00	0.05	0.048	O	|	|	|	0.15
86.417	0.00	0.05	0.048	O	|	|	|	0.14
86.500	0.00	0.05	0.047	O	|	|	|	0.14
86.583	0.00	0.05	0.047	O	|	|	|	0.14
86.667	0.00	0.05	0.046	O	|	|	|	0.14
86.750	0.00	0.05	0.046	O	|	|	|	0.14
86.833	0.00	0.05	0.046	O	|	|	|	0.14
86.917	0.00	0.05	0.045	O	|	|	|	0.14
87.000	0.00	0.05	0.045	O	|	|	|	0.14
87.083	0.00	0.05	0.045	O	|	|	|	0.14
87.167	0.00	0.05	0.044	O	|	|	|	0.13
87.250	0.00	0.05	0.044	O	|	|	|	0.13
87.333	0.00	0.05	0.044	O	|	|	|	0.13
87.417	0.00	0.05	0.043	O	|	|	|	0.13
87.500	0.00	0.05	0.043	O	|	|	|	0.13
87.583	0.00	0.05	0.043	O	|	|	|	0.13
87.667	0.00	0.05	0.042	O	|	|	|	0.13
87.750	0.00	0.05	0.042	O	|	|	|	0.13
87.833	0.00	0.05	0.042	O	|	|	|	0.13
87.917	0.00	0.05	0.041	O	|	|	|	0.13
88.000	0.00	0.04	0.041	O	|	|	|	0.12
88.083	0.00	0.04	0.041	O	|	|	|	0.12
88.167	0.00	0.04	0.041	O	|	|	|	0.12
88.250	0.00	0.04	0.040	O	|	|	|	0.12
88.333	0.00	0.04	0.040	O	|	|	|	0.12
88.417	0.00	0.04	0.040	O	|	|	|	0.12
88.500	0.00	0.04	0.039	O	|	|	|	0.12
88.583	0.00	0.04	0.039	O	|	|	|	0.12
88.667	0.00	0.04	0.039	O	|	|	|	0.12
88.750	0.00	0.04	0.038	O	|	|	|	0.12
88.833	0.00	0.04	0.038	O	|	|	|	0.12
88.917	0.00	0.04	0.038	O	|	|	|	0.11
89.000	0.00	0.04	0.038	O	|	|	|	0.11
89.083	0.00	0.04	0.037	O	|	|	|	0.11
89.167	0.00	0.04	0.037	O	|	|	|	0.11
89.250	0.00	0.04	0.037	O	|	|	|	0.11
89.333	0.00	0.04	0.037	O	|	|	|	0.11
89.417	0.00	0.04	0.036	O	|	|	|	0.11

89.500	0.00	0.04	0.036	O	|	|	|	|	0.11
89.583	0.00	0.04	0.036	O	|	|	|	|	0.11
89.667	0.00	0.04	0.035	O	|	|	|	|	0.11
89.750	0.00	0.04	0.035	O	|	|	|	|	0.11
89.833	0.00	0.04	0.035	O	|	|	|	|	0.11
89.917	0.00	0.04	0.035	O	|	|	|	|	0.11
90.000	0.00	0.04	0.034	O	|	|	|	|	0.10
90.083	0.00	0.04	0.034	O	|	|	|	|	0.10
90.167	0.00	0.04	0.034	O	|	|	|	|	0.10
90.250	0.00	0.04	0.034	O	|	|	|	|	0.10
90.333	0.00	0.04	0.033	O	|	|	|	|	0.10
90.417	0.00	0.04	0.033	O	|	|	|	|	0.10
90.500	0.00	0.04	0.033	O	|	|	|	|	0.10
90.583	0.00	0.04	0.033	O	|	|	|	|	0.10
90.667	0.00	0.04	0.032	O	|	|	|	|	0.10
90.750	0.00	0.04	0.032	O	|	|	|	|	0.10
90.833	0.00	0.03	0.032	O	|	|	|	|	0.10
90.917	0.00	0.03	0.032	O	|	|	|	|	0.10
91.000	0.00	0.03	0.031	O	|	|	|	|	0.10
91.083	0.00	0.03	0.031	O	|	|	|	|	0.09
91.167	0.00	0.03	0.031	O	|	|	|	|	0.09
91.250	0.00	0.03	0.031	O	|	|	|	|	0.09
91.333	0.00	0.03	0.030	O	|	|	|	|	0.09
91.417	0.00	0.03	0.030	O	|	|	|	|	0.09
91.500	0.00	0.03	0.030	O	|	|	|	|	0.09
91.583	0.00	0.03	0.030	O	|	|	|	|	0.09
91.667	0.00	0.03	0.030	O	|	|	|	|	0.09
91.750	0.00	0.03	0.029	O	|	|	|	|	0.09
91.833	0.00	0.03	0.029	O	|	|	|	|	0.09
91.917	0.00	0.03	0.029	O	|	|	|	|	0.09
92.000	0.00	0.03	0.029	O	|	|	|	|	0.09
92.083	0.00	0.03	0.029	O	|	|	|	|	0.09
92.167	0.00	0.03	0.028	O	|	|	|	|	0.09
92.250	0.00	0.03	0.028	O	|	|	|	|	0.09
92.333	0.00	0.03	0.028	O	|	|	|	|	0.08
92.417	0.00	0.03	0.028	O	|	|	|	|	0.08
92.500	0.00	0.03	0.027	O	|	|	|	|	0.08
92.583	0.00	0.03	0.027	O	|	|	|	|	0.08
92.667	0.00	0.03	0.027	O	|	|	|	|	0.08
92.750	0.00	0.03	0.027	O	|	|	|	|	0.08
92.833	0.00	0.03	0.027	O	|	|	|	|	0.08
92.917	0.00	0.03	0.026	O	|	|	|	|	0.08
93.000	0.00	0.03	0.026	O	|	|	|	|	0.08
93.083	0.00	0.03	0.026	O	|	|	|	|	0.08
93.167	0.00	0.03	0.026	O	|	|	|	|	0.08
93.250	0.00	0.03	0.026	O	|	|	|	|	0.08
93.333	0.00	0.03	0.025	O	|	|	|	|	0.08
93.417	0.00	0.03	0.025	O	|	|	|	|	0.08
93.500	0.00	0.03	0.025	O	|	|	|	|	0.08
93.583	0.00	0.03	0.025	O	|	|	|	|	0.08
93.667	0.00	0.03	0.025	O	|	|	|	|	0.07
93.750	0.00	0.03	0.025	O	|	|	|	|	0.07
93.833	0.00	0.03	0.024	O	|	|	|	|	0.07
93.917	0.00	0.03	0.024	O	|	|	|	|	0.07
94.000	0.00	0.03	0.024	O	|	|	|	|	0.07
94.083	0.00	0.03	0.024	O	|	|	|	|	0.07
94.167	0.00	0.03	0.024	O	|	|	|	|	0.07
94.250	0.00	0.03	0.023	O	|	|	|	|	0.07
94.333	0.00	0.03	0.023	O	|	|	|	|	0.07
94.417	0.00	0.03	0.023	O	|	|	|	|	0.07
94.500	0.00	0.03	0.023	O	|	|	|	|	0.07
94.583	0.00	0.02	0.023	O	|	|	|	|	0.07
94.667	0.00	0.02	0.023	O	|	|	|	|	0.07
94.750	0.00	0.02	0.022	O	|	|	|	|	0.07
94.833	0.00	0.02	0.022	O	|	|	|	|	0.07
94.917	0.00	0.02	0.022	O	|	|	|	|	0.07
95.000	0.00	0.02	0.022	O	|	|	|	|	0.07

95.083	0.00	0.02	0.022	O	|	|	|	0.07
95.167	0.00	0.02	0.022	O	|	|	|	0.07
95.250	0.00	0.02	0.021	O	|	|	|	0.06
95.333	0.00	0.02	0.021	O	|	|	|	0.06
95.417	0.00	0.02	0.021	O	|	|	|	0.06
95.500	0.00	0.02	0.021	O	|	|	|	0.06
95.583	0.00	0.02	0.021	O	|	|	|	0.06
95.667	0.00	0.02	0.021	O	|	|	|	0.06
95.750	0.00	0.02	0.020	O	|	|	|	0.06
95.833	0.00	0.02	0.020	O	|	|	|	0.06
95.917	0.00	0.02	0.020	O	|	|	|	0.06
96.000	0.00	0.02	0.020	O	|	|	|	0.06
96.083	0.00	0.02	0.020	O	|	|	|	0.06
96.167	0.00	0.02	0.020	O	|	|	|	0.06
96.250	0.00	0.02	0.020	O	|	|	|	0.06
96.333	0.00	0.02	0.019	O	|	|	|	0.06
96.417	0.00	0.02	0.019	O	|	|	|	0.06
96.500	0.00	0.02	0.019	O	|	|	|	0.06
96.583	0.00	0.02	0.019	O	|	|	|	0.06
96.667	0.00	0.02	0.019	O	|	|	|	0.06
96.750	0.00	0.02	0.019	O	|	|	|	0.06
96.833	0.00	0.02	0.019	O	|	|	|	0.06
96.917	0.00	0.02	0.018	O	|	|	|	0.06
97.000	0.00	0.02	0.018	O	|	|	|	0.06
97.083	0.00	0.02	0.018	O	|	|	|	0.06
97.167	0.00	0.02	0.018	O	|	|	|	0.05
97.250	0.00	0.02	0.018	O	|	|	|	0.05
97.333	0.00	0.02	0.018	O	|	|	|	0.05
97.417	0.00	0.02	0.018	O	|	|	|	0.05
97.500	0.00	0.02	0.017	O	|	|	|	0.05
97.583	0.00	0.02	0.017	O	|	|	|	0.05
97.667	0.00	0.02	0.017	O	|	|	|	0.05
97.750	0.00	0.02	0.017	O	|	|	|	0.05
97.833	0.00	0.02	0.017	O	|	|	|	0.05
97.917	0.00	0.02	0.017	O	|	|	|	0.05
98.000	0.00	0.02	0.017	O	|	|	|	0.05
98.083	0.00	0.02	0.017	O	|	|	|	0.05
98.167	0.00	0.02	0.016	O	|	|	|	0.05
98.250	0.00	0.02	0.016	O	|	|	|	0.05
98.333	0.00	0.02	0.016	O	|	|	|	0.05
98.417	0.00	0.02	0.016	O	|	|	|	0.05
98.500	0.00	0.02	0.016	O	|	|	|	0.05
98.583	0.00	0.02	0.016	O	|	|	|	0.05
98.667	0.00	0.02	0.016	O	|	|	|	0.05
98.750	0.00	0.02	0.016	O	|	|	|	0.05
98.833	0.00	0.02	0.016	O	|	|	|	0.05
98.917	0.00	0.02	0.015	O	|	|	|	0.05
99.000	0.00	0.02	0.015	O	|	|	|	0.05
99.083	0.00	0.02	0.015	O	|	|	|	0.05
99.167	0.00	0.02	0.015	O	|	|	|	0.05
99.250	0.00	0.02	0.015	O	|	|	|	0.05
99.333	0.00	0.02	0.015	O	|	|	|	0.04
99.417	0.00	0.02	0.015	O	|	|	|	0.04
99.500	0.00	0.02	0.015	O	|	|	|	0.04
99.583	0.00	0.02	0.014	O	|	|	|	0.04
99.667	0.00	0.02	0.014	O	|	|	|	0.04
99.750	0.00	0.02	0.014	O	|	|	|	0.04
99.833	0.00	0.02	0.014	O	|	|	|	0.04
99.917	0.00	0.02	0.014	O	|	|	|	0.04
100.000	0.00	0.02	0.014	O	|	|	|	0.04
100.083	0.00	0.02	0.014	O	|	|	|	0.04
100.167	0.00	0.02	0.014	O	|	|	|	0.04
100.250	0.00	0.01	0.014	O	|	|	|	0.04
100.333	0.00	0.01	0.014	O	|	|	|	0.04
100.417	0.00	0.01	0.013	O	|	|	|	0.04
100.500	0.00	0.01	0.013	O	|	|	|	0.04
100.583	0.00	0.01	0.013	O	|	|	|	0.04

100.667	0.00	0.01	0.013	O	|	|	|	|	0.04
100.750	0.00	0.01	0.013	O	|	|	|	|	0.04
100.833	0.00	0.01	0.013	O	|	|	|	|	0.04
100.917	0.00	0.01	0.013	O	|	|	|	|	0.04
101.000	0.00	0.01	0.013	O	|	|	|	|	0.04
101.083	0.00	0.01	0.013	O	|	|	|	|	0.04
101.167	0.00	0.01	0.013	O	|	|	|	|	0.04
101.250	0.00	0.01	0.012	O	|	|	|	|	0.04
101.333	0.00	0.01	0.012	O	|	|	|	|	0.04
101.417	0.00	0.01	0.012	O	|	|	|	|	0.04
101.500	0.00	0.01	0.012	O	|	|	|	|	0.04
101.583	0.00	0.01	0.012	O	|	|	|	|	0.04
101.667	0.00	0.01	0.012	O	|	|	|	|	0.04
101.750	0.00	0.01	0.012	O	|	|	|	|	0.04
101.833	0.00	0.01	0.012	O	|	|	|	|	0.04
101.917	0.00	0.01	0.012	O	|	|	|	|	0.04
102.000	0.00	0.01	0.012	O	|	|	|	|	0.04
102.083	0.00	0.01	0.012	O	|	|	|	|	0.04
102.167	0.00	0.01	0.011	O	|	|	|	|	0.03
102.250	0.00	0.01	0.011	O	|	|	|	|	0.03
102.333	0.00	0.01	0.011	O	|	|	|	|	0.03
102.417	0.00	0.01	0.011	O	|	|	|	|	0.03
102.500	0.00	0.01	0.011	O	|	|	|	|	0.03
102.583	0.00	0.01	0.011	O	|	|	|	|	0.03
102.667	0.00	0.01	0.011	O	|	|	|	|	0.03
102.750	0.00	0.01	0.011	O	|	|	|	|	0.03
102.833	0.00	0.01	0.011	O	|	|	|	|	0.03
102.917	0.00	0.01	0.011	O	|	|	|	|	0.03
103.000	0.00	0.01	0.011	O	|	|	|	|	0.03
103.083	0.00	0.01	0.011	O	|	|	|	|	0.03
103.167	0.00	0.01	0.010	O	|	|	|	|	0.03
103.250	0.00	0.01	0.010	O	|	|	|	|	0.03
103.333	0.00	0.01	0.010	O	|	|	|	|	0.03
103.417	0.00	0.01	0.010	O	|	|	|	|	0.03
103.500	0.00	0.01	0.010	O	|	|	|	|	0.03
103.583	0.00	0.01	0.010	O	|	|	|	|	0.03
103.667	0.00	0.01	0.010	O	|	|	|	|	0.03
103.750	0.00	0.01	0.010	O	|	|	|	|	0.03
103.833	0.00	0.01	0.010	O	|	|	|	|	0.03
103.917	0.00	0.01	0.010	O	|	|	|	|	0.03
104.000	0.00	0.01	0.010	O	|	|	|	|	0.03
104.083	0.00	0.01	0.010	O	|	|	|	|	0.03
104.167	0.00	0.01	0.010	O	|	|	|	|	0.03
104.250	0.00	0.01	0.010	O	|	|	|	|	0.03
104.333	0.00	0.01	0.009	O	|	|	|	|	0.03
104.417	0.00	0.01	0.009	O	|	|	|	|	0.03
104.500	0.00	0.01	0.009	O	|	|	|	|	0.03
104.583	0.00	0.01	0.009	O	|	|	|	|	0.03
104.667	0.00	0.01	0.009	O	|	|	|	|	0.03
104.750	0.00	0.01	0.009	O	|	|	|	|	0.03
104.833	0.00	0.01	0.009	O	|	|	|	|	0.03
104.917	0.00	0.01	0.009	O	|	|	|	|	0.03
105.000	0.00	0.01	0.009	O	|	|	|	|	0.03
105.083	0.00	0.01	0.009	O	|	|	|	|	0.03
105.167	0.00	0.01	0.009	O	|	|	|	|	0.03
105.250	0.00	0.01	0.009	O	|	|	|	|	0.03
105.333	0.00	0.01	0.009	O	|	|	|	|	0.03
105.417	0.00	0.01	0.009	O	|	|	|	|	0.03
105.500	0.00	0.01	0.009	O	|	|	|	|	0.03
105.583	0.00	0.01	0.008	O	|	|	|	|	0.03
105.667	0.00	0.01	0.008	O	|	|	|	|	0.03
105.750	0.00	0.01	0.008	O	|	|	|	|	0.03
105.833	0.00	0.01	0.008	O	|	|	|	|	0.03
105.917	0.00	0.01	0.008	O	|	|	|	|	0.02
106.000	0.00	0.01	0.008	O	|	|	|	|	0.02
106.083	0.00	0.01	0.008	O	|	|	|	|	0.02
106.167	0.00	0.01	0.008	O	|	|	|	|	0.02

106.250	0.00	0.01	0.008	O	|	|	|	|	0.02
106.333	0.00	0.01	0.008	O	|	|	|	|	0.02
106.417	0.00	0.01	0.008	O	|	|	|	|	0.02
106.500	0.00	0.01	0.008	O	|	|	|	|	0.02
106.583	0.00	0.01	0.008	O	|	|	|	|	0.02
106.667	0.00	0.01	0.008	O	|	|	|	|	0.02
106.750	0.00	0.01	0.008	O	|	|	|	|	0.02
106.833	0.00	0.01	0.008	O	|	|	|	|	0.02
106.917	0.00	0.01	0.007	O	|	|	|	|	0.02
107.000	0.00	0.01	0.007	O	|	|	|	|	0.02
107.083	0.00	0.01	0.007	O	|	|	|	|	0.02
107.167	0.00	0.01	0.007	O	|	|	|	|	0.02
107.250	0.00	0.01	0.007	O	|	|	|	|	0.02
107.333	0.00	0.01	0.007	O	|	|	|	|	0.02
107.417	0.00	0.01	0.007	O	|	|	|	|	0.02
107.500	0.00	0.01	0.007	O	|	|	|	|	0.02
107.583	0.00	0.01	0.007	O	|	|	|	|	0.02
107.667	0.00	0.01	0.007	O	|	|	|	|	0.02
107.750	0.00	0.01	0.007	O	|	|	|	|	0.02
107.833	0.00	0.01	0.007	O	|	|	|	|	0.02
107.917	0.00	0.01	0.007	O	|	|	|	|	0.02
108.000	0.00	0.01	0.007	O	|	|	|	|	0.02
108.083	0.00	0.01	0.007	O	|	|	|	|	0.02
108.167	0.00	0.01	0.007	O	|	|	|	|	0.02
108.250	0.00	0.01	0.007	O	|	|	|	|	0.02
108.333	0.00	0.01	0.007	O	|	|	|	|	0.02
108.417	0.00	0.01	0.007	O	|	|	|	|	0.02
108.500	0.00	0.01	0.006	O	|	|	|	|	0.02
108.583	0.00	0.01	0.006	O	|	|	|	|	0.02
108.667	0.00	0.01	0.006	O	|	|	|	|	0.02
108.750	0.00	0.01	0.006	O	|	|	|	|	0.02
108.833	0.00	0.01	0.006	O	|	|	|	|	0.02
108.917	0.00	0.01	0.006	O	|	|	|	|	0.02
109.000	0.00	0.01	0.006	O	|	|	|	|	0.02
109.083	0.00	0.01	0.006	O	|	|	|	|	0.02
109.167	0.00	0.01	0.006	O	|	|	|	|	0.02
109.250	0.00	0.01	0.006	O	|	|	|	|	0.02
109.333	0.00	0.01	0.006	O	|	|	|	|	0.02
109.417	0.00	0.01	0.006	O	|	|	|	|	0.02
109.500	0.00	0.01	0.006	O	|	|	|	|	0.02
109.583	0.00	0.01	0.006	O	|	|	|	|	0.02
109.667	0.00	0.01	0.006	O	|	|	|	|	0.02
109.750	0.00	0.01	0.006	O	|	|	|	|	0.02
109.833	0.00	0.01	0.006	O	|	|	|	|	0.02
109.917	0.00	0.01	0.006	O	|	|	|	|	0.02
110.000	0.00	0.01	0.006	O	|	|	|	|	0.02
110.083	0.00	0.01	0.006	O	|	|	|	|	0.02
110.167	0.00	0.01	0.006	O	|	|	|	|	0.02
110.250	0.00	0.01	0.006	O	|	|	|	|	0.02
110.333	0.00	0.01	0.005	O	|	|	|	|	0.02
110.417	0.00	0.01	0.005	O	|	|	|	|	0.02
110.500	0.00	0.01	0.005	O	|	|	|	|	0.02
110.583	0.00	0.01	0.005	O	|	|	|	|	0.02
110.667	0.00	0.01	0.005	O	|	|	|	|	0.02
110.750	0.00	0.01	0.005	O	|	|	|	|	0.02
110.833	0.00	0.01	0.005	O	|	|	|	|	0.02
110.917	0.00	0.01	0.005	O	|	|	|	|	0.02
111.000	0.00	0.01	0.005	O	|	|	|	|	0.02
111.083	0.00	0.01	0.005	O	|	|	|	|	0.02
111.167	0.00	0.01	0.005	O	|	|	|	|	0.02
111.250	0.00	0.01	0.005	O	|	|	|	|	0.02
111.333	0.00	0.01	0.005	O	|	|	|	|	0.02
111.417	0.00	0.01	0.005	O	|	|	|	|	0.02
111.500	0.00	0.01	0.005	O	|	|	|	|	0.02
111.583	0.00	0.01	0.005	O	|	|	|	|	0.01
111.667	0.00	0.01	0.005	O	|	|	|	|	0.01
111.750	0.00	0.01	0.005	O	|	|	|	|	0.01

111.833	0.00	0.01	0.005	O					0.01
111.917	0.00	0.01	0.005	O					0.01
112.000	0.00	0.01	0.005	O					0.01
112.083	0.00	0.01	0.005	O					0.01
112.167	0.00	0.01	0.005	O					0.01
112.250	0.00	0.01	0.005	O					0.01
112.333	0.00	0.01	0.005	O					0.01
112.417	0.00	0.00	0.005	O					0.01
112.500	0.00	0.00	0.005	O					0.01
112.583	0.00	0.00	0.004	O					0.01
112.667	0.00	0.00	0.004	O					0.01
112.750	0.00	0.00	0.004	O					0.01
112.833	0.00	0.00	0.004	O					0.01
112.917	0.00	0.00	0.004	O					0.01
113.000	0.00	0.00	0.004	O					0.01
113.083	0.00	0.00	0.004	O					0.01
113.167	0.00	0.00	0.004	O					0.01
113.250	0.00	0.00	0.004	O					0.01
113.333	0.00	0.00	0.004	O					0.01
113.417	0.00	0.00	0.004	O					0.01
113.500	0.00	0.00	0.004	O					0.01
113.583	0.00	0.00	0.004	O					0.01
113.667	0.00	0.00	0.004	O					0.01
113.750	0.00	0.00	0.004	O					0.01
113.833	0.00	0.00	0.004	O					0.01
113.917	0.00	0.00	0.004	O					0.01
114.000	0.00	0.00	0.004	O					0.01
114.083	0.00	0.00	0.004	O					0.01
114.167	0.00	0.00	0.004	O					0.01
114.250	0.00	0.00	0.004	O					0.01
114.333	0.00	0.00	0.004	O					0.01
114.417	0.00	0.00	0.004	O					0.01
114.500	0.00	0.00	0.004	O					0.01
114.583	0.00	0.00	0.004	O					0.01
114.667	0.00	0.00	0.004	O					0.01
114.750	0.00	0.00	0.004	O					0.01
114.833	0.00	0.00	0.004	O					0.01
114.917	0.00	0.00	0.004	O					0.01
115.000	0.00	0.00	0.004	O					0.01
115.083	0.00	0.00	0.004	O					0.01
115.167	0.00	0.00	0.004	O					0.01
115.250	0.00	0.00	0.004	O					0.01
115.333	0.00	0.00	0.004	O					0.01
115.417	0.00	0.00	0.003	O					0.01
115.500	0.00	0.00	0.003	O					0.01
115.583	0.00	0.00	0.003	O					0.01
115.667	0.00	0.00	0.003	O					0.01
115.750	0.00	0.00	0.003	O					0.01
115.833	0.00	0.00	0.003	O					0.01
115.917	0.00	0.00	0.003	O					0.01
116.000	0.00	0.00	0.003	O					0.01
116.083	0.00	0.00	0.003	O					0.01
116.167	0.00	0.00	0.003	O					0.01
116.250	0.00	0.00	0.003	O					0.01
116.333	0.00	0.00	0.003	O					0.01
116.417	0.00	0.00	0.003	O					0.01
116.500	0.00	0.00	0.003	O					0.01
116.583	0.00	0.00	0.003	O					0.01
116.667	0.00	0.00	0.003	O					0.01
116.750	0.00	0.00	0.003	O					0.01
116.833	0.00	0.00	0.003	O					0.01
116.917	0.00	0.00	0.003	O					0.01
117.000	0.00	0.00	0.003	O					0.01
117.083	0.00	0.00	0.003	O					0.01
117.167	0.00	0.00	0.003	O					0.01
117.250	0.00	0.00	0.003	O					0.01
117.333	0.00	0.00	0.003	O					0.01

117.417	0.00	0.00	0.003	O	|	|	|	0.01
117.500	0.00	0.00	0.003	O	|	|	|	0.01
117.583	0.00	0.00	0.003	O	|	|	|	0.01
117.667	0.00	0.00	0.003	O	|	|	|	0.01
117.750	0.00	0.00	0.003	O	|	|	|	0.01
117.833	0.00	0.00	0.003	O	|	|	|	0.01
117.917	0.00	0.00	0.003	O	|	|	|	0.01
118.000	0.00	0.00	0.003	O	|	|	|	0.01
118.083	0.00	0.00	0.003	O	|	|	|	0.01
118.167	0.00	0.00	0.003	O	|	|	|	0.01
118.250	0.00	0.00	0.003	O	|	|	|	0.01
118.333	0.00	0.00	0.003	O	|	|	|	0.01
118.417	0.00	0.00	0.003	O	|	|	|	0.01
118.500	0.00	0.00	0.003	O	|	|	|	0.01
118.583	0.00	0.00	0.003	O	|	|	|	0.01
118.667	0.00	0.00	0.003	O	|	|	|	0.01
118.750	0.00	0.00	0.003	O	|	|	|	0.01
118.833	0.00	0.00	0.003	O	|	|	|	0.01
118.917	0.00	0.00	0.003	O	|	|	|	0.01
119.000	0.00	0.00	0.003	O	|	|	|	0.01
119.083	0.00	0.00	0.002	O	|	|	|	0.01
119.167	0.00	0.00	0.002	O	|	|	|	0.01
119.250	0.00	0.00	0.002	O	|	|	|	0.01
119.333	0.00	0.00	0.002	O	|	|	|	0.01
119.417	0.00	0.00	0.002	O	|	|	|	0.01
119.500	0.00	0.00	0.002	O	|	|	|	0.01
119.583	0.00	0.00	0.002	O	|	|	|	0.01
119.667	0.00	0.00	0.002	O	|	|	|	0.01
119.750	0.00	0.00	0.002	O	|	|	|	0.01
119.833	0.00	0.00	0.002	O	|	|	|	0.01
119.917	0.00	0.00	0.002	O	|	|	|	0.01
120.000	0.00	0.00	0.002	O	|	|	|	0.01
120.083	0.00	0.00	0.002	O	|	|	|	0.01
120.167	0.00	0.00	0.002	O	|	|	|	0.01
120.250	0.00	0.00	0.002	O	|	|	|	0.01
120.333	0.00	0.00	0.002	O	|	|	|	0.01
120.417	0.00	0.00	0.002	O	|	|	|	0.01
120.500	0.00	0.00	0.002	O	|	|	|	0.01
120.583	0.00	0.00	0.002	O	|	|	|	0.01
120.667	0.00	0.00	0.002	O	|	|	|	0.01
120.750	0.00	0.00	0.002	O	|	|	|	0.01
120.833	0.00	0.00	0.002	O	|	|	|	0.01
120.917	0.00	0.00	0.002	O	|	|	|	0.01
121.000	0.00	0.00	0.002	O	|	|	|	0.01
121.083	0.00	0.00	0.002	O	|	|	|	0.01
121.167	0.00	0.00	0.002	O	|	|	|	0.01
121.250	0.00	0.00	0.002	O	|	|	|	0.01
121.333	0.00	0.00	0.002	O	|	|	|	0.01
121.417	0.00	0.00	0.002	O	|	|	|	0.01
121.500	0.00	0.00	0.002	O	|	|	|	0.01
121.583	0.00	0.00	0.002	O	|	|	|	0.01
121.667	0.00	0.00	0.002	O	|	|	|	0.01
121.750	0.00	0.00	0.002	O	|	|	|	0.01
121.833	0.00	0.00	0.002	O	|	|	|	0.01
121.917	0.00	0.00	0.002	O	|	|	|	0.01
122.000	0.00	0.00	0.002	O	|	|	|	0.01
122.083	0.00	0.00	0.002	O	|	|	|	0.01
122.167	0.00	0.00	0.002	O	|	|	|	0.01
122.250	0.00	0.00	0.002	O	|	|	|	0.01
122.333	0.00	0.00	0.002	O	|	|	|	0.01
122.417	0.00	0.00	0.002	O	|	|	|	0.01
122.500	0.00	0.00	0.002	O	|	|	|	0.01
122.583	0.00	0.00	0.002	O	|	|	|	0.01
122.667	0.00	0.00	0.002	O	|	|	|	0.01
122.750	0.00	0.00	0.002	O	|	|	|	0.01
122.833	0.00	0.00	0.002	O	|	|	|	0.01
122.917	0.00	0.00	0.002	O	|	|	|	0.01

123.000	0.00	0.00	0.002	O	|	|	|	0.01
123.083	0.00	0.00	0.002	O	|	|	|	0.01
123.167	0.00	0.00	0.002	O	|	|	|	0.01
123.250	0.00	0.00	0.002	O	|	|	|	0.01
123.333	0.00	0.00	0.002	O	|	|	|	0.01
123.417	0.00	0.00	0.002	O	|	|	|	0.01
123.500	0.00	0.00	0.002	O	|	|	|	0.01
123.583	0.00	0.00	0.002	O	|	|	|	0.01
123.667	0.00	0.00	0.002	O	|	|	|	0.01
123.750	0.00	0.00	0.002	O	|	|	|	0.00
123.833	0.00	0.00	0.002	O	|	|	|	0.00
123.917	0.00	0.00	0.002	O	|	|	|	0.00
124.000	0.00	0.00	0.002	O	|	|	|	0.00
124.083	0.00	0.00	0.002	O	|	|	|	0.00
124.167	0.00	0.00	0.002	O	|	|	|	0.00
124.250	0.00	0.00	0.002	O	|	|	|	0.00
124.333	0.00	0.00	0.002	O	|	|	|	0.00
124.417	0.00	0.00	0.002	O	|	|	|	0.00
124.500	0.00	0.00	0.002	O	|	|	|	0.00
124.583	0.00	0.00	0.002	O	|	|	|	0.00
124.667	0.00	0.00	0.002	O	|	|	|	0.00
124.750	0.00	0.00	0.001	O	|	|	|	0.00
124.833	0.00	0.00	0.001	O	|	|	|	0.00
124.917	0.00	0.00	0.001	O	|	|	|	0.00
125.000	0.00	0.00	0.001	O	|	|	|	0.00
125.083	0.00	0.00	0.001	O	|	|	|	0.00
125.167	0.00	0.00	0.001	O	|	|	|	0.00
125.250	0.00	0.00	0.001	O	|	|	|	0.00
125.333	0.00	0.00	0.001	O	|	|	|	0.00
125.417	0.00	0.00	0.001	O	|	|	|	0.00
125.500	0.00	0.00	0.001	O	|	|	|	0.00
125.583	0.00	0.00	0.001	O	|	|	|	0.00
125.667	0.00	0.00	0.001	O	|	|	|	0.00
125.750	0.00	0.00	0.001	O	|	|	|	0.00
125.833	0.00	0.00	0.001	O	|	|	|	0.00
125.917	0.00	0.00	0.001	O	|	|	|	0.00
126.000	0.00	0.00	0.001	O	|	|	|	0.00
126.083	0.00	0.00	0.001	O	|	|	|	0.00
126.167	0.00	0.00	0.001	O	|	|	|	0.00
126.250	0.00	0.00	0.001	O	|	|	|	0.00
126.333	0.00	0.00	0.001	O	|	|	|	0.00
126.417	0.00	0.00	0.001	O	|	|	|	0.00
126.500	0.00	0.00	0.001	O	|	|	|	0.00
126.583	0.00	0.00	0.001	O	|	|	|	0.00
126.667	0.00	0.00	0.001	O	|	|	|	0.00
126.750	0.00	0.00	0.001	O	|	|	|	0.00
126.833	0.00	0.00	0.001	O	|	|	|	0.00
126.917	0.00	0.00	0.001	O	|	|	|	0.00
127.000	0.00	0.00	0.001	O	|	|	|	0.00
127.083	0.00	0.00	0.001	O	|	|	|	0.00
127.167	0.00	0.00	0.001	O	|	|	|	0.00
127.250	0.00	0.00	0.001	O	|	|	|	0.00
127.333	0.00	0.00	0.001	O	|	|	|	0.00
127.417	0.00	0.00	0.001	O	|	|	|	0.00
127.500	0.00	0.00	0.001	O	|	|	|	0.00
127.583	0.00	0.00	0.001	O	|	|	|	0.00
127.667	0.00	0.00	0.001	O	|	|	|	0.00
127.750	0.00	0.00	0.001	O	|	|	|	0.00
127.833	0.00	0.00	0.001	O	|	|	|	0.00
127.917	0.00	0.00	0.001	O	|	|	|	0.00
128.000	0.00	0.00	0.001	O	|	|	|	0.00
128.083	0.00	0.00	0.001	O	|	|	|	0.00
128.167	0.00	0.00	0.001	O	|	|	|	0.00
128.250	0.00	0.00	0.001	O	|	|	|	0.00
128.333	0.00	0.00	0.001	O	|	|	|	0.00
128.417	0.00	0.00	0.001	O	|	|	|	0.00
128.500	0.00	0.00	0.001	O	|	|	|	0.00

128.583	0.00	0.00	0.001	O	|	|	|	|	0.00
128.667	0.00	0.00	0.001	O	|	|	|	|	0.00
128.750	0.00	0.00	0.001	O	|	|	|	|	0.00
128.833	0.00	0.00	0.001	O	|	|	|	|	0.00
128.917	0.00	0.00	0.001	O	|	|	|	|	0.00
129.000	0.00	0.00	0.001	O	|	|	|	|	0.00
129.083	0.00	0.00	0.001	O	|	|	|	|	0.00
129.167	0.00	0.00	0.001	O	|	|	|	|	0.00
129.250	0.00	0.00	0.001	O	|	|	|	|	0.00
129.333	0.00	0.00	0.001	O	|	|	|	|	0.00
129.417	0.00	0.00	0.001	O	|	|	|	|	0.00
129.500	0.00	0.00	0.001	O	|	|	|	|	0.00
129.583	0.00	0.00	0.001	O	|	|	|	|	0.00
129.667	0.00	0.00	0.001	O	|	|	|	|	0.00
129.750	0.00	0.00	0.001	O	|	|	|	|	0.00
129.833	0.00	0.00	0.001	O	|	|	|	|	0.00
129.917	0.00	0.00	0.001	O	|	|	|	|	0.00
130.000	0.00	0.00	0.001	O	|	|	|	|	0.00
130.083	0.00	0.00	0.001	O	|	|	|	|	0.00
130.167	0.00	0.00	0.001	O	|	|	|	|	0.00
130.250	0.00	0.00	0.001	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 1563
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 9.874 (CFS)
Total volume = 7.535 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

BASIN G

UNIT HYDROGRAPH

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
Study date 12/14/21 File: RVEG242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN G- EXISTING UNIT HYDROGRAPH
2YR-24HRS

Drainage Area = 22.43(Ac.) = 0.035 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 22.43(Ac.) = 0.035 Sq. Mi.
Length along longest watercourse = 1071.00(Ft.)
Length along longest watercourse measured to centroid = 637.00(Ft.)
Length along longest watercourse = 0.203 Mi.
Length along longest watercourse measured to centroid = 0.121 Mi.
Difference in elevation = 126.80(Ft.)
Slope along watercourse = 625.1204 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.069 Hr.
Lag time = 4.14 Min.
25% of lag time = 1.03 Min.
40% of lag time = 1.66 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	2.70	60.56

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	7.00	157.01

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
22.430	84.00	0.000

Total Area Entered = 22.43(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-1     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
84.0  68.6      0.377     0.000        0.377       1.000      0.377
                                                  Sum (F) =   0.377
Area averaged mean soil loss (F) (In/Hr) =  0.377
Minimum soil loss rate ((In/Hr)) =  0.189
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
------------------------------------------------------------------------

            U n i t  H y d r o g r a p h
                   VALLEY S-Curve
------------------------------------------------------------------------
            Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %            (CFS)
------------------------------------------------------------------------
        1   0.083        120.806         25.432              5.749
        2   0.167        241.613         48.693             11.007
        3   0.250        362.419         13.239              2.993
        4   0.333        483.225          5.987              1.353
        5   0.417        604.031          3.351              0.757
        6   0.500        724.838          1.907              0.431
        7   0.583        845.644          1.391              0.314
                                 Sum = 100.000   Sum=       22.605
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.669)		0.019	0.002
2	0.17	0.07	0.022	(0.666)		0.019	0.002
3	0.25	0.07	0.022	(0.663)		0.019	0.002
4	0.33	0.10	0.032	(0.661)		0.029	0.003
5	0.42	0.10	0.032	(0.658)		0.029	0.003
6	0.50	0.10	0.032	(0.656)		0.029	0.003
7	0.58	0.10	0.032	(0.653)		0.029	0.003
8	0.67	0.10	0.032	(0.651)		0.029	0.003
9	0.75	0.10	0.032	(0.648)		0.029	0.003
10	0.83	0.13	0.043	(0.645)		0.039	0.004
11	0.92	0.13	0.043	(0.643)		0.039	0.004
12	1.00	0.13	0.043	(0.640)		0.039	0.004
13	1.08	0.10	0.032	(0.638)		0.029	0.003
14	1.17	0.10	0.032	(0.635)		0.029	0.003
15	1.25	0.10	0.032	(0.633)		0.029	0.003
16	1.33	0.10	0.032	(0.630)		0.029	0.003
17	1.42	0.10	0.032	(0.628)		0.029	0.003
18	1.50	0.10	0.032	(0.625)		0.029	0.003
19	1.58	0.10	0.032	(0.623)		0.029	0.003
20	1.67	0.10	0.032	(0.620)		0.029	0.003
21	1.75	0.10	0.032	(0.618)		0.029	0.003
22	1.83	0.13	0.043	(0.615)		0.039	0.004
23	1.92	0.13	0.043	(0.613)		0.039	0.004
24	2.00	0.13	0.043	(0.610)		0.039	0.004
25	2.08	0.13	0.043	(0.608)		0.039	0.004
26	2.17	0.13	0.043	(0.605)		0.039	0.004
27	2.25	0.13	0.043	(0.603)		0.039	0.004
28	2.33	0.13	0.043	(0.600)		0.039	0.004
29	2.42	0.13	0.043	(0.598)		0.039	0.004
30	2.50	0.13	0.043	(0.596)		0.039	0.004
31	2.58	0.17	0.054	(0.593)		0.049	0.005
32	2.67	0.17	0.054	(0.591)		0.049	0.005
33	2.75	0.17	0.054	(0.588)		0.049	0.005
34	2.83	0.17	0.054	(0.586)		0.049	0.005

35	2.92	0.17	0.054	(0.583)	0.049	0.005
36	3.00	0.17	0.054	(0.581)	0.049	0.005
37	3.08	0.17	0.054	(0.579)	0.049	0.005
38	3.17	0.17	0.054	(0.576)	0.049	0.005
39	3.25	0.17	0.054	(0.574)	0.049	0.005
40	3.33	0.17	0.054	(0.571)	0.049	0.005
41	3.42	0.17	0.054	(0.569)	0.049	0.005
42	3.50	0.17	0.054	(0.567)	0.049	0.005
43	3.58	0.17	0.054	(0.564)	0.049	0.005
44	3.67	0.17	0.054	(0.562)	0.049	0.005
45	3.75	0.17	0.054	(0.560)	0.049	0.005
46	3.83	0.20	0.065	(0.557)	0.058	0.006
47	3.92	0.20	0.065	(0.555)	0.058	0.006
48	4.00	0.20	0.065	(0.553)	0.058	0.006
49	4.08	0.20	0.065	(0.550)	0.058	0.006
50	4.17	0.20	0.065	(0.548)	0.058	0.006
51	4.25	0.20	0.065	(0.546)	0.058	0.006
52	4.33	0.23	0.076	(0.543)	0.068	0.008
53	4.42	0.23	0.076	(0.541)	0.068	0.008
54	4.50	0.23	0.076	(0.539)	0.068	0.008
55	4.58	0.23	0.076	(0.536)	0.068	0.008
56	4.67	0.23	0.076	(0.534)	0.068	0.008
57	4.75	0.23	0.076	(0.532)	0.068	0.008
58	4.83	0.27	0.086	(0.529)	0.078	0.009
59	4.92	0.27	0.086	(0.527)	0.078	0.009
60	5.00	0.27	0.086	(0.525)	0.078	0.009
61	5.08	0.20	0.065	(0.522)	0.058	0.006
62	5.17	0.20	0.065	(0.520)	0.058	0.006
63	5.25	0.20	0.065	(0.518)	0.058	0.006
64	5.33	0.23	0.076	(0.516)	0.068	0.008
65	5.42	0.23	0.076	(0.513)	0.068	0.008
66	5.50	0.23	0.076	(0.511)	0.068	0.008
67	5.58	0.27	0.086	(0.509)	0.078	0.009
68	5.67	0.27	0.086	(0.507)	0.078	0.009
69	5.75	0.27	0.086	(0.504)	0.078	0.009
70	5.83	0.27	0.086	(0.502)	0.078	0.009
71	5.92	0.27	0.086	(0.500)	0.078	0.009
72	6.00	0.27	0.086	(0.498)	0.078	0.009
73	6.08	0.30	0.097	(0.496)	0.087	0.010
74	6.17	0.30	0.097	(0.493)	0.087	0.010
75	6.25	0.30	0.097	(0.491)	0.087	0.010
76	6.33	0.30	0.097	(0.489)	0.087	0.010
77	6.42	0.30	0.097	(0.487)	0.087	0.010
78	6.50	0.30	0.097	(0.485)	0.087	0.010
79	6.58	0.33	0.108	(0.482)	0.097	0.011
80	6.67	0.33	0.108	(0.480)	0.097	0.011
81	6.75	0.33	0.108	(0.478)	0.097	0.011
82	6.83	0.33	0.108	(0.476)	0.097	0.011
83	6.92	0.33	0.108	(0.474)	0.097	0.011
84	7.00	0.33	0.108	(0.472)	0.097	0.011
85	7.08	0.33	0.108	(0.469)	0.097	0.011
86	7.17	0.33	0.108	(0.467)	0.097	0.011
87	7.25	0.33	0.108	(0.465)	0.097	0.011
88	7.33	0.37	0.119	(0.463)	0.107	0.012
89	7.42	0.37	0.119	(0.461)	0.107	0.012
90	7.50	0.37	0.119	(0.459)	0.107	0.012
91	7.58	0.40	0.130	(0.457)	0.117	0.013
92	7.67	0.40	0.130	(0.455)	0.117	0.013
93	7.75	0.40	0.130	(0.453)	0.117	0.013
94	7.83	0.43	0.140	(0.450)	0.126	0.014
95	7.92	0.43	0.140	(0.448)	0.126	0.014
96	8.00	0.43	0.140	(0.446)	0.126	0.014
97	8.08	0.50	0.162	(0.444)	0.146	0.016
98	8.17	0.50	0.162	(0.442)	0.146	0.016
99	8.25	0.50	0.162	(0.440)	0.146	0.016
100	8.33	0.50	0.162	(0.438)	0.146	0.016
101	8.42	0.50	0.162	(0.436)	0.146	0.016

102	8.50	0.50	0.162	(0.434)	0.146	0.016
103	8.58	0.53	0.173	(0.432)	0.156	0.017
104	8.67	0.53	0.173	(0.430)	0.156	0.017
105	8.75	0.53	0.173	(0.428)	0.156	0.017
106	8.83	0.57	0.184	(0.426)	0.165	0.018
107	8.92	0.57	0.184	(0.424)	0.165	0.018
108	9.00	0.57	0.184	(0.422)	0.165	0.018
109	9.08	0.63	0.205	(0.420)	0.185	0.021
110	9.17	0.63	0.205	(0.418)	0.185	0.021
111	9.25	0.63	0.205	(0.416)	0.185	0.021
112	9.33	0.67	0.216	(0.414)	0.194	0.022
113	9.42	0.67	0.216	(0.412)	0.194	0.022
114	9.50	0.67	0.216	(0.410)	0.194	0.022
115	9.58	0.70	0.227	(0.408)	0.204	0.023
116	9.67	0.70	0.227	(0.406)	0.204	0.023
117	9.75	0.70	0.227	(0.404)	0.204	0.023
118	9.83	0.73	0.238	(0.402)	0.214	0.024
119	9.92	0.73	0.238	(0.400)	0.214	0.024
120	10.00	0.73	0.238	(0.398)	0.214	0.024
121	10.08	0.50	0.162	(0.396)	0.146	0.016
122	10.17	0.50	0.162	(0.394)	0.146	0.016
123	10.25	0.50	0.162	(0.392)	0.146	0.016
124	10.33	0.50	0.162	(0.391)	0.146	0.016
125	10.42	0.50	0.162	(0.389)	0.146	0.016
126	10.50	0.50	0.162	(0.387)	0.146	0.016
127	10.58	0.67	0.216	(0.385)	0.194	0.022
128	10.67	0.67	0.216	(0.383)	0.194	0.022
129	10.75	0.67	0.216	(0.381)	0.194	0.022
130	10.83	0.67	0.216	(0.379)	0.194	0.022
131	10.92	0.67	0.216	(0.377)	0.194	0.022
132	11.00	0.67	0.216	(0.376)	0.194	0.022
133	11.08	0.63	0.205	(0.374)	0.185	0.021
134	11.17	0.63	0.205	(0.372)	0.185	0.021
135	11.25	0.63	0.205	(0.370)	0.185	0.021
136	11.33	0.63	0.205	(0.368)	0.185	0.021
137	11.42	0.63	0.205	(0.366)	0.185	0.021
138	11.50	0.63	0.205	(0.365)	0.185	0.021
139	11.58	0.57	0.184	(0.363)	0.165	0.018
140	11.67	0.57	0.184	(0.361)	0.165	0.018
141	11.75	0.57	0.184	(0.359)	0.165	0.018
142	11.83	0.60	0.194	(0.357)	0.175	0.019
143	11.92	0.60	0.194	(0.356)	0.175	0.019
144	12.00	0.60	0.194	(0.354)	0.175	0.019
145	12.08	0.83	0.270	(0.352)	0.243	0.027
146	12.17	0.83	0.270	(0.350)	0.243	0.027
147	12.25	0.83	0.270	(0.349)	0.243	0.027
148	12.33	0.87	0.281	(0.347)	0.253	0.028
149	12.42	0.87	0.281	(0.345)	0.253	0.028
150	12.50	0.87	0.281	(0.343)	0.253	0.028
151	12.58	0.93	0.302	(0.342)	0.272	0.030
152	12.67	0.93	0.302	(0.340)	0.272	0.030
153	12.75	0.93	0.302	(0.338)	0.272	0.030
154	12.83	0.97	0.313	(0.336)	0.282	0.031
155	12.92	0.97	0.313	(0.335)	0.282	0.031
156	13.00	0.97	0.313	(0.333)	0.282	0.031
157	13.08	1.13	0.367	(0.331)	0.330	0.037
158	13.17	1.13	0.367	0.330	(0.330)	0.038
159	13.25	1.13	0.367	0.328	(0.330)	0.039
160	13.33	1.13	0.367	0.326	(0.330)	0.041
161	13.42	1.13	0.367	0.325	(0.330)	0.043
162	13.50	1.13	0.367	0.323	(0.330)	0.044
163	13.58	0.77	0.248	(0.321)	0.224	0.025
164	13.67	0.77	0.248	(0.320)	0.224	0.025
165	13.75	0.77	0.248	(0.318)	0.224	0.025
166	13.83	0.77	0.248	(0.316)	0.224	0.025
167	13.92	0.77	0.248	(0.315)	0.224	0.025
168	14.00	0.77	0.248	(0.313)	0.224	0.025

169	14.08	0.90	0.292	(0.312)	0.262	0.029
170	14.17	0.90	0.292	(0.310)	0.262	0.029
171	14.25	0.90	0.292	(0.308)	0.262	0.029
172	14.33	0.87	0.281	(0.307)	0.253	0.028
173	14.42	0.87	0.281	(0.305)	0.253	0.028
174	14.50	0.87	0.281	(0.304)	0.253	0.028
175	14.58	0.87	0.281	(0.302)	0.253	0.028
176	14.67	0.87	0.281	(0.301)	0.253	0.028
177	14.75	0.87	0.281	(0.299)	0.253	0.028
178	14.83	0.83	0.270	(0.298)	0.243	0.027
179	14.92	0.83	0.270	(0.296)	0.243	0.027
180	15.00	0.83	0.270	(0.295)	0.243	0.027
181	15.08	0.80	0.259	(0.293)	0.233	0.026
182	15.17	0.80	0.259	(0.292)	0.233	0.026
183	15.25	0.80	0.259	(0.290)	0.233	0.026
184	15.33	0.77	0.248	(0.289)	0.224	0.025
185	15.42	0.77	0.248	(0.287)	0.224	0.025
186	15.50	0.77	0.248	(0.286)	0.224	0.025
187	15.58	0.63	0.205	(0.284)	0.185	0.021
188	15.67	0.63	0.205	(0.283)	0.185	0.021
189	15.75	0.63	0.205	(0.281)	0.185	0.021
190	15.83	0.63	0.205	(0.280)	0.185	0.021
191	15.92	0.63	0.205	(0.278)	0.185	0.021
192	16.00	0.63	0.205	(0.277)	0.185	0.021
193	16.08	0.13	0.043	(0.276)	0.039	0.004
194	16.17	0.13	0.043	(0.274)	0.039	0.004
195	16.25	0.13	0.043	(0.273)	0.039	0.004
196	16.33	0.13	0.043	(0.271)	0.039	0.004
197	16.42	0.13	0.043	(0.270)	0.039	0.004
198	16.50	0.13	0.043	(0.269)	0.039	0.004
199	16.58	0.10	0.032	(0.267)	0.029	0.003
200	16.67	0.10	0.032	(0.266)	0.029	0.003
201	16.75	0.10	0.032	(0.264)	0.029	0.003
202	16.83	0.10	0.032	(0.263)	0.029	0.003
203	16.92	0.10	0.032	(0.262)	0.029	0.003
204	17.00	0.10	0.032	(0.260)	0.029	0.003
205	17.08	0.17	0.054	(0.259)	0.049	0.005
206	17.17	0.17	0.054	(0.258)	0.049	0.005
207	17.25	0.17	0.054	(0.257)	0.049	0.005
208	17.33	0.17	0.054	(0.255)	0.049	0.005
209	17.42	0.17	0.054	(0.254)	0.049	0.005
210	17.50	0.17	0.054	(0.253)	0.049	0.005
211	17.58	0.17	0.054	(0.251)	0.049	0.005
212	17.67	0.17	0.054	(0.250)	0.049	0.005
213	17.75	0.17	0.054	(0.249)	0.049	0.005
214	17.83	0.13	0.043	(0.248)	0.039	0.004
215	17.92	0.13	0.043	(0.247)	0.039	0.004
216	18.00	0.13	0.043	(0.245)	0.039	0.004
217	18.08	0.13	0.043	(0.244)	0.039	0.004
218	18.17	0.13	0.043	(0.243)	0.039	0.004
219	18.25	0.13	0.043	(0.242)	0.039	0.004
220	18.33	0.13	0.043	(0.241)	0.039	0.004
221	18.42	0.13	0.043	(0.239)	0.039	0.004
222	18.50	0.13	0.043	(0.238)	0.039	0.004
223	18.58	0.10	0.032	(0.237)	0.029	0.003
224	18.67	0.10	0.032	(0.236)	0.029	0.003
225	18.75	0.10	0.032	(0.235)	0.029	0.003
226	18.83	0.07	0.022	(0.234)	0.019	0.002
227	18.92	0.07	0.022	(0.233)	0.019	0.002
228	19.00	0.07	0.022	(0.231)	0.019	0.002
229	19.08	0.10	0.032	(0.230)	0.029	0.003
230	19.17	0.10	0.032	(0.229)	0.029	0.003
231	19.25	0.10	0.032	(0.228)	0.029	0.003
232	19.33	0.13	0.043	(0.227)	0.039	0.004
233	19.42	0.13	0.043	(0.226)	0.039	0.004
234	19.50	0.13	0.043	(0.225)	0.039	0.004
235	19.58	0.10	0.032	(0.224)	0.029	0.003

236	19.67	0.10	0.032	(0.223)	0.029	0.003
237	19.75	0.10	0.032	(0.222)	0.029	0.003
238	19.83	0.07	0.022	(0.221)	0.019	0.002
239	19.92	0.07	0.022	(0.220)	0.019	0.002
240	20.00	0.07	0.022	(0.219)	0.019	0.002
241	20.08	0.10	0.032	(0.218)	0.029	0.003
242	20.17	0.10	0.032	(0.217)	0.029	0.003
243	20.25	0.10	0.032	(0.216)	0.029	0.003
244	20.33	0.10	0.032	(0.215)	0.029	0.003
245	20.42	0.10	0.032	(0.214)	0.029	0.003
246	20.50	0.10	0.032	(0.213)	0.029	0.003
247	20.58	0.10	0.032	(0.212)	0.029	0.003
248	20.67	0.10	0.032	(0.212)	0.029	0.003
249	20.75	0.10	0.032	(0.211)	0.029	0.003
250	20.83	0.07	0.022	(0.210)	0.019	0.002
251	20.92	0.07	0.022	(0.209)	0.019	0.002
252	21.00	0.07	0.022	(0.208)	0.019	0.002
253	21.08	0.10	0.032	(0.207)	0.029	0.003
254	21.17	0.10	0.032	(0.207)	0.029	0.003
255	21.25	0.10	0.032	(0.206)	0.029	0.003
256	21.33	0.07	0.022	(0.205)	0.019	0.002
257	21.42	0.07	0.022	(0.204)	0.019	0.002
258	21.50	0.07	0.022	(0.203)	0.019	0.002
259	21.58	0.10	0.032	(0.203)	0.029	0.003
260	21.67	0.10	0.032	(0.202)	0.029	0.003
261	21.75	0.10	0.032	(0.201)	0.029	0.003
262	21.83	0.07	0.022	(0.200)	0.019	0.002
263	21.92	0.07	0.022	(0.200)	0.019	0.002
264	22.00	0.07	0.022	(0.199)	0.019	0.002
265	22.08	0.10	0.032	(0.198)	0.029	0.003
266	22.17	0.10	0.032	(0.198)	0.029	0.003
267	22.25	0.10	0.032	(0.197)	0.029	0.003
268	22.33	0.07	0.022	(0.197)	0.019	0.002
269	22.42	0.07	0.022	(0.196)	0.019	0.002
270	22.50	0.07	0.022	(0.195)	0.019	0.002
271	22.58	0.07	0.022	(0.195)	0.019	0.002
272	22.67	0.07	0.022	(0.194)	0.019	0.002
273	22.75	0.07	0.022	(0.194)	0.019	0.002
274	22.83	0.07	0.022	(0.193)	0.019	0.002
275	22.92	0.07	0.022	(0.193)	0.019	0.002
276	23.00	0.07	0.022	(0.192)	0.019	0.002
277	23.08	0.07	0.022	(0.192)	0.019	0.002
278	23.17	0.07	0.022	(0.191)	0.019	0.002
279	23.25	0.07	0.022	(0.191)	0.019	0.002
280	23.33	0.07	0.022	(0.191)	0.019	0.002
281	23.42	0.07	0.022	(0.190)	0.019	0.002
282	23.50	0.07	0.022	(0.190)	0.019	0.002
283	23.58	0.07	0.022	(0.190)	0.019	0.002
284	23.67	0.07	0.022	(0.189)	0.019	0.002
285	23.75	0.07	0.022	(0.189)	0.019	0.002
286	23.83	0.07	0.022	(0.189)	0.019	0.002
287	23.92	0.07	0.022	(0.189)	0.019	0.002
288	24.00	0.07	0.022	(0.189)	0.019	0.002

(Loss Rate Not Used)

Sum = 100.0 Sum = 3.3

Flood volume = Effective rainfall 0.27(In)
times area 22.4(Ac.)/[(In)/(Ft.)] = 0.5(Ac.Ft)
Total soil loss = 2.43(In)
Total soil loss = 4.539(Ac.Ft)
Total rainfall = 2.70(In)
Flood volume = 22123.1 Cubic Feet
Total soil loss = 197703.7 Cubic Feet

Peak flow rate of this hydrograph = 0.952(CFS)

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24 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 2.5 5.0 7.5 10.0
0+ 5	0.0001	0.01	Q
0+10	0.0003	0.04	Q
0+15	0.0006	0.04	Q
0+20	0.0010	0.05	Q
0+25	0.0014	0.07	Q
0+30	0.0019	0.07	Q
0+35	0.0024	0.07	Q
0+40	0.0029	0.07	Q
0+45	0.0034	0.07	Q
0+50	0.0040	0.08	Q
0+55	0.0046	0.09	Q
1+ 0	0.0052	0.09	Q
1+ 5	0.0059	0.09	Q
1+10	0.0064	0.08	Q
1+15	0.0069	0.08	Q
1+20	0.0074	0.07	Q
1+25	0.0079	0.07	Q
1+30	0.0085	0.07	Q
1+35	0.0090	0.07	Q
1+40	0.0095	0.07	Q
1+45	0.0100	0.07	Q
1+50	0.0105	0.08	Q
1+55	0.0111	0.09	Q
2+ 0	0.0118	0.09	Q
2+ 5	0.0125	0.10	Q
2+10	0.0131	0.10	QV
2+15	0.0138	0.10	QV
2+20	0.0145	0.10	QV
2+25	0.0151	0.10	QV
2+30	0.0158	0.10	QV
2+35	0.0165	0.10	QV
2+40	0.0173	0.12	QV
2+45	0.0181	0.12	QV
2+50	0.0190	0.12	QV
2+55	0.0198	0.12	QV
3+ 0	0.0207	0.12	QV
3+ 5	0.0215	0.12	QV
3+10	0.0223	0.12	QV
3+15	0.0232	0.12	QV
3+20	0.0240	0.12	QV
3+25	0.0249	0.12	QV
3+30	0.0257	0.12	Q V
3+35	0.0265	0.12	Q V
3+40	0.0274	0.12	Q V
3+45	0.0282	0.12	Q V
3+50	0.0291	0.13	Q V
3+55	0.0301	0.14	Q V
4+ 0	0.0311	0.14	Q V
4+ 5	0.0321	0.14	Q V
4+10	0.0331	0.15	Q V
4+15	0.0341	0.15	Q V
4+20	0.0351	0.15	Q V
4+25	0.0363	0.16	Q V
4+30	0.0374	0.17	Q V
4+35	0.0386	0.17	Q V
4+40	0.0398	0.17	Q V
4+45	0.0409	0.17	Q V
4+50	0.0421	0.18	Q V
4+55	0.0434	0.19	Q V
5+ 0	0.0448	0.19	Q V

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 5+ 5       0.0460      0.18  Q  V      |          |          |          |
 5+10       0.0471      0.16  Q  V      |          |          |          |
 5+15       0.0482      0.15  Q  V      |          |          |          |
 5+20       0.0492      0.16  Q  V      |          |          |          |
 5+25       0.0504      0.17  Q  V      |          |          |          |
 5+30       0.0515      0.17  Q   V     |          |          |          |
 5+35       0.0528      0.18  Q   V     |          |          |          |
 5+40       0.0540      0.19  Q   V     |          |          |          |
 5+45       0.0554      0.19  Q   V     |          |          |          |
 5+50       0.0567      0.19  Q   V     |          |          |          |
 5+55       0.0580      0.19  Q   V     |          |          |          |
 6+ 0       0.0594      0.20  Q   V     |          |          |          |
 6+ 5       0.0608      0.20  Q   V     |          |          |          |
 6+10       0.0622      0.21  Q   V     |          |          |          |
 6+15       0.0637      0.22  Q    V    |          |          |          |
 6+20       0.0652      0.22  Q    V    |          |          |          |
 6+25       0.0668      0.22  Q    V    |          |          |          |
 6+30       0.0683      0.22  Q    V    |          |          |          |
 6+35       0.0698      0.23  Q    V    |          |          |          |
 6+40       0.0715      0.24  Q    V    |          |          |          |
 6+45       0.0731      0.24  Q    V    |          |          |          |
 6+50       0.0748      0.24  Q    V    |          |          |          |
 6+55       0.0765      0.24  Q     V   |          |          |          |
 7+ 0       0.0781      0.24  Q     V   |          |          |          |
 7+ 5       0.0798      0.24  Q     V   |          |          |          |
 7+10       0.0815      0.24  Q     V   |          |          |          |
 7+15       0.0832      0.24  Q     V   |          |          |          |
 7+20       0.0849      0.25  |Q    V   |          |          |          |
 7+25       0.0867      0.26  |Q    V   |          |          |          |
 7+30       0.0886      0.27  |Q    V   |          |          |          |
 7+35       0.0904      0.27  |Q     V  |          |          |          |
 7+40       0.0924      0.29  |Q     V  |          |          |          |
 7+45       0.0944      0.29  |Q     V  |          |          |          |
 7+50       0.0965      0.30  |Q     V  |          |          |          |
 7+55       0.0986      0.31  |Q     V  |          |          |          |
 8+ 0       0.1008      0.31  |Q     V  |          |          |          |
 8+ 5       0.1030      0.33  |Q      V |          |          |          |
 8+10       0.1054      0.35  |Q      V |          |          |          |
 8+15       0.1079      0.36  |Q      V |          |          |          |
 8+20       0.1104      0.36  |Q      V |          |          |          |
 8+25       0.1129      0.36  |Q      V |          |          |          |
 8+30       0.1155      0.37  |Q       V|          |          |          |
 8+35       0.1180      0.37  |Q       V|          |          |          |
 8+40       0.1207      0.38  |Q       V|          |          |          |
 8+45       0.1233      0.39  |Q       V|          |          |          |
 8+50       0.1261      0.40  |Q       V|          |          |          |
 8+55       0.1289      0.41  |Q        V          |          |          |
 9+ 0       0.1317      0.41  |Q        V          |          |          |
 9+ 5       0.1346      0.43  |Q        V          |          |          |
 9+10       0.1377      0.45  |Q        V          |          |          |
 9+15       0.1409      0.46  |Q        |V         |          |          |
 9+20       0.1441      0.47  |Q        |V         |          |          |
 9+25       0.1474      0.48  |Q        |V         |          |          |
 9+30       0.1508      0.48  |Q        |V         |          |          |
 9+35       0.1542      0.49  |Q        | V        |          |          |
 9+40       0.1576      0.51  | Q       | V        |          |          |
 9+45       0.1612      0.51  | Q       | V        |          |          |
 9+50       0.1647      0.52  | Q       | V        |          |          |
 9+55       0.1684      0.53  | Q       |  V       |          |          |
10+ 0       0.1720      0.53  | Q       |  V       |          |          |
10+ 5       0.1754      0.49  |Q        |  V       |          |          |
10+10       0.1783      0.41  |Q        |   V      |          |          |
10+15       0.1809      0.39  |Q        |   V      |          |          |
10+20       0.1835      0.38  |Q        |   V      |          |          |
10+25       0.1861      0.37  |Q        |   V      |          |          |
10+30       0.1886      0.37  |Q        |   V      |          |          |
10+35       0.1914      0.40  |Q        |    V     |          |          |
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10+40       0.1945      0.46  |Q        |    V    |         |         |
10+45       0.1978      0.47  |Q        |    V    |         |         |
10+50       0.2011      0.48  |Q        |    V    |         |         |
10+55       0.2044      0.48  |Q        |     V   |         |         |
11+ 0       0.2078      0.49  |Q        |     V   |         |         |
11+ 5       0.2111      0.48  |Q        |     V   |         |         |
11+10       0.2143      0.47  |Q        |     V   |         |         |
11+15       0.2175      0.47  |Q        |      V  |         |         |
11+20       0.2208      0.47  |Q        |      V  |         |         |
11+25       0.2240      0.46  |Q        |      V  |         |         |
11+30       0.2272      0.46  |Q        |      V  |         |         |
11+35       0.2303      0.45  |Q        |       V |         |         |
11+40       0.2332      0.43  |Q        |       V |         |         |
11+45       0.2361      0.42  |Q        |       V |         |         |
11+50       0.2390      0.42  |Q        |       V |         |         |
11+55       0.2420      0.43  |Q        |        V|         |         |
12+ 0       0.2450      0.44  |Q        |        V|         |         |
12+ 5       0.2484      0.48  |Q        |        V|         |         |
12+10       0.2523      0.57  | Q       |        V|         |         |
12+15       0.2563      0.59  | Q       |         V         |         |
12+20       0.2605      0.61  | Q       |         V         |         |
12+25       0.2648      0.62  | Q       |         V         |         |
12+30       0.2691      0.63  | Q       |         |V        |         |
12+35       0.2736      0.65  | Q       |         |V        |         |
12+40       0.2782      0.67  | Q       |         |V        |         |
12+45       0.2828      0.68  | Q       |         | V       |         |
12+50       0.2876      0.69  | Q       |         | V       |         |
12+55       0.2924      0.70  | Q       |         |  V      |         |
13+ 0       0.2972      0.70  | Q       |         |  V      |         |
13+ 5       0.3023      0.74  | Q       |         |  V      |         |
13+10       0.3079      0.80  |  Q      |         |   V     |         |
13+15       0.3136      0.84  |  Q      |         |   V     |         |
13+20       0.3197      0.88  |  Q      |         |    V    |         |
13+25       0.3260      0.91  |  Q      |         |    V    |         |
13+30       0.3325      0.95  |  Q      |         |     V   |         |
13+35       0.3385      0.87  |  Q      |         |     V   |         |
13+40       0.3431      0.67  | Q       |         |      V  |         |
13+45       0.3473      0.61  | Q       |         |      V  |         |
13+50       0.3514      0.59  | Q       |         |      V  |         |
13+55       0.3553      0.58  | Q       |         |      V  |         |
14+ 0       0.3592      0.57  | Q       |         |       V |         |
14+ 5       0.3633      0.59  | Q       |         |       V |         |
14+10       0.3676      0.63  | Q       |         |       V |         |
14+15       0.3721      0.65  | Q       |         |        V|         |
14+20       0.3766      0.65  | Q       |         |        V|         |
14+25       0.3809      0.64  | Q       |         |         V         |
14+30       0.3853      0.64  | Q       |         |         V         |
14+35       0.3897      0.64  | Q       |         |         V         |
14+40       0.3941      0.64  | Q       |         |         |V        |
14+45       0.3985      0.64  | Q       |         |         |V        |
14+50       0.4028      0.63  | Q       |         |         |V        |
14+55       0.4071      0.62  | Q       |         |         | V       |
15+ 0       0.4113      0.61  | Q       |         |         | V       |
15+ 5       0.4155      0.61  | Q       |         |         | V       |
15+10       0.4195      0.59  | Q       |         |         |  V      |
15+15       0.4236      0.59  | Q       |         |         |  V      |
15+20       0.4276      0.58  | Q       |         |         |  V      |
15+25       0.4315      0.57  | Q       |         |         |  V      |
15+30       0.4354      0.57  | Q       |         |         |   V     |
15+35       0.4391      0.54  | Q       |         |         |   V     |
15+40       0.4425      0.49  |Q        |         |         |   V     |
15+45       0.4458      0.48  |Q        |         |         |    V    |
15+50       0.4490      0.47  |Q        |         |         |    V    |
15+55       0.4522      0.47  |Q        |         |         |    V    |
16+ 0       0.4555      0.47  |Q        |         |         |    V    |
16+ 5       0.4580      0.37  |Q        |         |         |     V   |
16+10       0.4593      0.19  Q        |         |         |     V   |
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16+15       0.4603      0.14  Q          |          |          |     V    |
16+20       0.4612      0.12  Q          |          |          |     V    |
16+25       0.4619      0.11  Q          |          |          |     V    |
16+30       0.4626      0.10  Q          |          |          |     V    |
16+35       0.4633      0.09  Q          |          |          |     V    |
16+40       0.4638      0.08  Q          |          |          |     V    |
16+45       0.4643      0.08  Q          |          |          |     V    |
16+50       0.4648      0.07  Q          |          |          |     V    |
16+55       0.4654      0.07  Q          |          |          |     V    |
17+ 0       0.4659      0.07  Q          |          |          |     V    |
17+ 5       0.4665      0.09  Q          |          |          |     V    |
17+10       0.4672      0.11  Q          |          |          |     V    |
17+15       0.4680      0.12  Q          |          |          |     V    |
17+20       0.4688      0.12  Q          |          |          |     V    |
17+25       0.4697      0.12  Q          |          |          |     V    |
17+30       0.4705      0.12  Q          |          |          |      V   |
17+35       0.4713      0.12  Q          |          |          |      V   |
17+40       0.4722      0.12  Q          |          |          |      V   |
17+45       0.4730      0.12  Q          |          |          |      V   |
17+50       0.4738      0.12  Q          |          |          |      V   |
17+55       0.4745      0.10  Q          |          |          |      V   |
18+ 0       0.4752      0.10  Q          |          |          |      V   |
18+ 5       0.4759      0.10  Q          |          |          |      V   |
18+10       0.4766      0.10  Q          |          |          |      V   |
18+15       0.4773      0.10  Q          |          |          |      V   |
18+20       0.4779      0.10  Q          |          |          |      V   |
18+25       0.4786      0.10  Q          |          |          |      V   |
18+30       0.4793      0.10  Q          |          |          |      V   |
18+35       0.4799      0.09  Q          |          |          |      V   |
18+40       0.4805      0.08  Q          |          |          |      V   |
18+45       0.4810      0.08  Q          |          |          |      V   |
18+50       0.4815      0.07  Q          |          |          |      V   |
18+55       0.4818      0.06  Q          |          |          |      V   |
19+ 0       0.4822      0.05  Q          |          |          |      V   |
19+ 5       0.4826      0.06  Q          |          |          |       V  |
19+10       0.4831      0.07  Q          |          |          |       V  |
19+15       0.4835      0.07  Q          |          |          |       V  |
19+20       0.4841      0.08  Q          |          |          |       V  |
19+25       0.4847      0.09  Q          |          |          |       V  |
19+30       0.4854      0.09  Q          |          |          |       V  |
19+35       0.4860      0.09  Q          |          |          |       V  |
19+40       0.4865      0.08  Q          |          |          |       V  |
19+45       0.4870      0.08  Q          |          |          |       V  |
19+50       0.4875      0.07  Q          |          |          |       V  |
19+55       0.4879      0.06  Q          |          |          |       V  |
20+ 0       0.4883      0.05  Q          |          |          |       V  |
20+ 5       0.4887      0.06  Q          |          |          |       V  |
20+10       0.4891      0.07  Q          |          |          |       V  |
20+15       0.4896      0.07  Q          |          |          |       V  |
20+20       0.4901      0.07  Q          |          |          |       V  |
20+25       0.4906      0.07  Q          |          |          |       V  |
20+30       0.4911      0.07  Q          |          |          |       V  |
20+35       0.4916      0.07  Q          |          |          |       V  |
20+40       0.4921      0.07  Q          |          |          |       V  |
20+45       0.4926      0.07  Q          |          |          |       V  |
20+50       0.4931      0.07  Q          |          |          |       V  |
20+55       0.4935      0.06  Q          |          |          |       V  |
21+ 0       0.4938      0.05  Q          |          |          |       V  |
21+ 5       0.4942      0.06  Q          |          |          |       V  |
21+10       0.4947      0.07  Q          |          |          |       V  |
21+15       0.4952      0.07  Q          |          |          |       V  |
21+20       0.4956      0.07  Q          |          |          |        V |
21+25       0.4960      0.05  Q          |          |          |        V |
21+30       0.4963      0.05  Q          |          |          |        V |
21+35       0.4967      0.06  Q          |          |          |        V |
21+40       0.4972      0.07  Q          |          |          |        V |
21+45       0.4977      0.07  Q          |          |          |        V |
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21+50	0.4981	0.07	Q	|	|	|	V|
21+55	0.4985	0.05	Q	|	|	|	V|
22+ 0	0.4989	0.05	Q	|	|	|	V|
22+ 5	0.4992	0.06	Q	|	|	|	V|
22+10	0.4997	0.07	Q	|	|	|	V|
22+15	0.5002	0.07	Q	|	|	|	V|
22+20	0.5007	0.07	Q	|	|	|	V|
22+25	0.5010	0.05	Q	|	|	|	V|
22+30	0.5014	0.05	Q	|	|	|	V|
22+35	0.5017	0.05	Q	|	|	|	V|
22+40	0.5021	0.05	Q	|	|	|	V|
22+45	0.5024	0.05	Q	|	|	|	V|
22+50	0.5027	0.05	Q	|	|	|	V|
22+55	0.5031	0.05	Q	|	|	|	V|
23+ 0	0.5034	0.05	Q	|	|	|	V|
23+ 5	0.5038	0.05	Q	|	|	|	V|
23+10	0.5041	0.05	Q	|	|	|	V|
23+15	0.5044	0.05	Q	|	|	|	V|
23+20	0.5048	0.05	Q	|	|	|	V|
23+25	0.5051	0.05	Q	|	|	|	V|
23+30	0.5054	0.05	Q	|	|	|	V|
23+35	0.5058	0.05	Q	|	|	|	V|
23+40	0.5061	0.05	Q	|	|	|	V|
23+45	0.5064	0.05	Q	|	|	|	V|
23+50	0.5068	0.05	Q	|	|	|	V|
23+55	0.5071	0.05	Q	|	|	|	V|
24+ 0	0.5075	0.05	Q	|	|	|	V|
24+ 5	0.5077	0.04	Q	|	|	|	V|
24+10	0.5078	0.01	Q	|	|	|	V|
24+15	0.5078	0.01	Q	|	|	|	V|
24+20	0.5079	0.00	Q	|	|	|	V|
24+25	0.5079	0.00	Q	|	|	|	V|
24+30	0.5079	0.00	Q	|	|	|	V

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/19/21 File: RVPRG242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN G- PROPOSED UNIT HYDROGRAPH
2YR-24HRS

Drainage Area = 22.43(Ac.) = 0.035 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 22.43(Ac.) = 0.035 Sq. Mi.
Length along longest watercourse = 1605.00(Ft.)
Length along longest watercourse measured to centroid = 637.00(Ft.)
Length along longest watercourse = 0.304 Mi.
Length along longest watercourse measured to centroid = 0.121 Mi.
Difference in elevation = 54.00(Ft.)
Slope along watercourse = 177.6449 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.038 Hr.
Lag time = 2.30 Min.
25% of lag time = 0.57 Min.
40% of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	2.70	60.56

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	7.00	157.01

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
22.430	64.50	0.814

Total Area Entered = 22.43(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      64.5  44.5      0.626     0.814        0.167       1.000      0.167
                                                          Sum (F) =   0.167
      Area averaged mean soil loss (F) (In/Hr) =  0.167
      Minimum soil loss rate ((In/Hr)) =  0.084
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.249
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        217.510         46.271             10.460
          2   0.167        435.020         42.164              9.531
          3   0.250        652.530          8.127              1.837
          4   0.333        870.041          3.438              0.777
                                    Sum = 100.000   Sum=      22.605
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.297)		0.005	0.016
2	0.17	0.07	0.022	(0.296)		0.005	0.016
3	0.25	0.07	0.022	(0.294)		0.005	0.016
4	0.33	0.10	0.032	(0.293)		0.008	0.024
5	0.42	0.10	0.032	(0.292)		0.008	0.024
6	0.50	0.10	0.032	(0.291)		0.008	0.024
7	0.58	0.10	0.032	(0.290)		0.008	0.024
8	0.67	0.10	0.032	(0.289)		0.008	0.024
9	0.75	0.10	0.032	(0.288)		0.008	0.024
10	0.83	0.13	0.043	(0.286)		0.011	0.032
11	0.92	0.13	0.043	(0.285)		0.011	0.032
12	1.00	0.13	0.043	(0.284)		0.011	0.032
13	1.08	0.10	0.032	(0.283)		0.008	0.024
14	1.17	0.10	0.032	(0.282)		0.008	0.024
15	1.25	0.10	0.032	(0.281)		0.008	0.024
16	1.33	0.10	0.032	(0.280)		0.008	0.024
17	1.42	0.10	0.032	(0.279)		0.008	0.024
18	1.50	0.10	0.032	(0.277)		0.008	0.024
19	1.58	0.10	0.032	(0.276)		0.008	0.024
20	1.67	0.10	0.032	(0.275)		0.008	0.024
21	1.75	0.10	0.032	(0.274)		0.008	0.024
22	1.83	0.13	0.043	(0.273)		0.011	0.032
23	1.92	0.13	0.043	(0.272)		0.011	0.032
24	2.00	0.13	0.043	(0.271)		0.011	0.032
25	2.08	0.13	0.043	(0.270)		0.011	0.032
26	2.17	0.13	0.043	(0.269)		0.011	0.032
27	2.25	0.13	0.043	(0.268)		0.011	0.032
28	2.33	0.13	0.043	(0.266)		0.011	0.032
29	2.42	0.13	0.043	(0.265)		0.011	0.032
30	2.50	0.13	0.043	(0.264)		0.011	0.032
31	2.58	0.17	0.054	(0.263)		0.013	0.041
32	2.67	0.17	0.054	(0.262)		0.013	0.041
33	2.75	0.17	0.054	(0.261)		0.013	0.041
34	2.83	0.17	0.054	(0.260)		0.013	0.041
35	2.92	0.17	0.054	(0.259)		0.013	0.041
36	3.00	0.17	0.054	(0.258)		0.013	0.041
37	3.08	0.17	0.054	(0.257)		0.013	0.041
38	3.17	0.17	0.054	(0.256)		0.013	0.041

39	3.25	0.17	0.054	(0.255)	0.013	0.041
40	3.33	0.17	0.054	(0.254)	0.013	0.041
41	3.42	0.17	0.054	(0.253)	0.013	0.041
42	3.50	0.17	0.054	(0.251)	0.013	0.041
43	3.58	0.17	0.054	(0.250)	0.013	0.041
44	3.67	0.17	0.054	(0.249)	0.013	0.041
45	3.75	0.17	0.054	(0.248)	0.013	0.041
46	3.83	0.20	0.065	(0.247)	0.016	0.049
47	3.92	0.20	0.065	(0.246)	0.016	0.049
48	4.00	0.20	0.065	(0.245)	0.016	0.049
49	4.08	0.20	0.065	(0.244)	0.016	0.049
50	4.17	0.20	0.065	(0.243)	0.016	0.049
51	4.25	0.20	0.065	(0.242)	0.016	0.049
52	4.33	0.23	0.076	(0.241)	0.019	0.057
53	4.42	0.23	0.076	(0.240)	0.019	0.057
54	4.50	0.23	0.076	(0.239)	0.019	0.057
55	4.58	0.23	0.076	(0.238)	0.019	0.057
56	4.67	0.23	0.076	(0.237)	0.019	0.057
57	4.75	0.23	0.076	(0.236)	0.019	0.057
58	4.83	0.27	0.086	(0.235)	0.021	0.065
59	4.92	0.27	0.086	(0.234)	0.021	0.065
60	5.00	0.27	0.086	(0.233)	0.021	0.065
61	5.08	0.20	0.065	(0.232)	0.016	0.049
62	5.17	0.20	0.065	(0.231)	0.016	0.049
63	5.25	0.20	0.065	(0.230)	0.016	0.049
64	5.33	0.23	0.076	(0.229)	0.019	0.057
65	5.42	0.23	0.076	(0.228)	0.019	0.057
66	5.50	0.23	0.076	(0.227)	0.019	0.057
67	5.58	0.27	0.086	(0.226)	0.021	0.065
68	5.67	0.27	0.086	(0.225)	0.021	0.065
69	5.75	0.27	0.086	(0.224)	0.021	0.065
70	5.83	0.27	0.086	(0.223)	0.021	0.065
71	5.92	0.27	0.086	(0.222)	0.021	0.065
72	6.00	0.27	0.086	(0.221)	0.021	0.065
73	6.08	0.30	0.097	(0.220)	0.024	0.073
74	6.17	0.30	0.097	(0.219)	0.024	0.073
75	6.25	0.30	0.097	(0.218)	0.024	0.073
76	6.33	0.30	0.097	(0.217)	0.024	0.073
77	6.42	0.30	0.097	(0.216)	0.024	0.073
78	6.50	0.30	0.097	(0.215)	0.024	0.073
79	6.58	0.33	0.108	(0.214)	0.027	0.081
80	6.67	0.33	0.108	(0.213)	0.027	0.081
81	6.75	0.33	0.108	(0.212)	0.027	0.081
82	6.83	0.33	0.108	(0.211)	0.027	0.081
83	6.92	0.33	0.108	(0.210)	0.027	0.081
84	7.00	0.33	0.108	(0.209)	0.027	0.081
85	7.08	0.33	0.108	(0.208)	0.027	0.081
86	7.17	0.33	0.108	(0.207)	0.027	0.081
87	7.25	0.33	0.108	(0.206)	0.027	0.081
88	7.33	0.37	0.119	(0.206)	0.030	0.089
89	7.42	0.37	0.119	(0.205)	0.030	0.089
90	7.50	0.37	0.119	(0.204)	0.030	0.089
91	7.58	0.40	0.130	(0.203)	0.032	0.097
92	7.67	0.40	0.130	(0.202)	0.032	0.097
93	7.75	0.40	0.130	(0.201)	0.032	0.097
94	7.83	0.43	0.140	(0.200)	0.035	0.105
95	7.92	0.43	0.140	(0.199)	0.035	0.105
96	8.00	0.43	0.140	(0.198)	0.035	0.105
97	8.08	0.50	0.162	(0.197)	0.040	0.122
98	8.17	0.50	0.162	(0.196)	0.040	0.122
99	8.25	0.50	0.162	(0.195)	0.040	0.122
100	8.33	0.50	0.162	(0.194)	0.040	0.122
101	8.42	0.50	0.162	(0.193)	0.040	0.122
102	8.50	0.50	0.162	(0.193)	0.040	0.122
103	8.58	0.53	0.173	(0.192)	0.043	0.130
104	8.67	0.53	0.173	(0.191)	0.043	0.130
105	8.75	0.53	0.173	(0.190)	0.043	0.130

106	8.83	0.57	0.184	(0.189)	0.046	0.138
107	8.92	0.57	0.184	(0.188)	0.046	0.138
108	9.00	0.57	0.184	(0.187)	0.046	0.138
109	9.08	0.63	0.205	(0.186)	0.051	0.154
110	9.17	0.63	0.205	(0.185)	0.051	0.154
111	9.25	0.63	0.205	(0.185)	0.051	0.154
112	9.33	0.67	0.216	(0.184)	0.054	0.162
113	9.42	0.67	0.216	(0.183)	0.054	0.162
114	9.50	0.67	0.216	(0.182)	0.054	0.162
115	9.58	0.70	0.227	(0.181)	0.056	0.170
116	9.67	0.70	0.227	(0.180)	0.056	0.170
117	9.75	0.70	0.227	(0.179)	0.056	0.170
118	9.83	0.73	0.238	(0.178)	0.059	0.178
119	9.92	0.73	0.238	(0.178)	0.059	0.178
120	10.00	0.73	0.238	(0.177)	0.059	0.178
121	10.08	0.50	0.162	(0.176)	0.040	0.122
122	10.17	0.50	0.162	(0.175)	0.040	0.122
123	10.25	0.50	0.162	(0.174)	0.040	0.122
124	10.33	0.50	0.162	(0.173)	0.040	0.122
125	10.42	0.50	0.162	(0.172)	0.040	0.122
126	10.50	0.50	0.162	(0.172)	0.040	0.122
127	10.58	0.67	0.216	(0.171)	0.054	0.162
128	10.67	0.67	0.216	(0.170)	0.054	0.162
129	10.75	0.67	0.216	(0.169)	0.054	0.162
130	10.83	0.67	0.216	(0.168)	0.054	0.162
131	10.92	0.67	0.216	(0.167)	0.054	0.162
132	11.00	0.67	0.216	(0.167)	0.054	0.162
133	11.08	0.63	0.205	(0.166)	0.051	0.154
134	11.17	0.63	0.205	(0.165)	0.051	0.154
135	11.25	0.63	0.205	(0.164)	0.051	0.154
136	11.33	0.63	0.205	(0.163)	0.051	0.154
137	11.42	0.63	0.205	(0.163)	0.051	0.154
138	11.50	0.63	0.205	(0.162)	0.051	0.154
139	11.58	0.57	0.184	(0.161)	0.046	0.138
140	11.67	0.57	0.184	(0.160)	0.046	0.138
141	11.75	0.57	0.184	(0.159)	0.046	0.138
142	11.83	0.60	0.194	(0.159)	0.048	0.146
143	11.92	0.60	0.194	(0.158)	0.048	0.146
144	12.00	0.60	0.194	(0.157)	0.048	0.146
145	12.08	0.83	0.270	(0.156)	0.067	0.203
146	12.17	0.83	0.270	(0.155)	0.067	0.203
147	12.25	0.83	0.270	(0.155)	0.067	0.203
148	12.33	0.87	0.281	(0.154)	0.070	0.211
149	12.42	0.87	0.281	(0.153)	0.070	0.211
150	12.50	0.87	0.281	(0.152)	0.070	0.211
151	12.58	0.93	0.302	(0.152)	0.075	0.227
152	12.67	0.93	0.302	(0.151)	0.075	0.227
153	12.75	0.93	0.302	(0.150)	0.075	0.227
154	12.83	0.97	0.313	(0.149)	0.078	0.235
155	12.92	0.97	0.313	(0.149)	0.078	0.235
156	13.00	0.97	0.313	(0.148)	0.078	0.235
157	13.08	1.13	0.367	(0.147)	0.091	0.276
158	13.17	1.13	0.367	(0.146)	0.091	0.276
159	13.25	1.13	0.367	(0.146)	0.091	0.276
160	13.33	1.13	0.367	(0.145)	0.091	0.276
161	13.42	1.13	0.367	(0.144)	0.091	0.276
162	13.50	1.13	0.367	(0.143)	0.091	0.276
163	13.58	0.77	0.248	(0.143)	0.062	0.187
164	13.67	0.77	0.248	(0.142)	0.062	0.187
165	13.75	0.77	0.248	(0.141)	0.062	0.187
166	13.83	0.77	0.248	(0.140)	0.062	0.187
167	13.92	0.77	0.248	(0.140)	0.062	0.187
168	14.00	0.77	0.248	(0.139)	0.062	0.187
169	14.08	0.90	0.292	(0.138)	0.073	0.219
170	14.17	0.90	0.292	(0.138)	0.073	0.219
171	14.25	0.90	0.292	(0.137)	0.073	0.219
172	14.33	0.87	0.281	(0.136)	0.070	0.211

173	14.42	0.87	0.281	(0.136)	0.070	0.211
174	14.50	0.87	0.281	(0.135)	0.070	0.211
175	14.58	0.87	0.281	(0.134)	0.070	0.211
176	14.67	0.87	0.281	(0.133)	0.070	0.211
177	14.75	0.87	0.281	(0.133)	0.070	0.211
178	14.83	0.83	0.270	(0.132)	0.067	0.203
179	14.92	0.83	0.270	(0.131)	0.067	0.203
180	15.00	0.83	0.270	(0.131)	0.067	0.203
181	15.08	0.80	0.259	(0.130)	0.064	0.195
182	15.17	0.80	0.259	(0.129)	0.064	0.195
183	15.25	0.80	0.259	(0.129)	0.064	0.195
184	15.33	0.77	0.248	(0.128)	0.062	0.187
185	15.42	0.77	0.248	(0.127)	0.062	0.187
186	15.50	0.77	0.248	(0.127)	0.062	0.187
187	15.58	0.63	0.205	(0.126)	0.051	0.154
188	15.67	0.63	0.205	(0.125)	0.051	0.154
189	15.75	0.63	0.205	(0.125)	0.051	0.154
190	15.83	0.63	0.205	(0.124)	0.051	0.154
191	15.92	0.63	0.205	(0.124)	0.051	0.154
192	16.00	0.63	0.205	(0.123)	0.051	0.154
193	16.08	0.13	0.043	(0.122)	0.011	0.032
194	16.17	0.13	0.043	(0.122)	0.011	0.032
195	16.25	0.13	0.043	(0.121)	0.011	0.032
196	16.33	0.13	0.043	(0.120)	0.011	0.032
197	16.42	0.13	0.043	(0.120)	0.011	0.032
198	16.50	0.13	0.043	(0.119)	0.011	0.032
199	16.58	0.10	0.032	(0.119)	0.008	0.024
200	16.67	0.10	0.032	(0.118)	0.008	0.024
201	16.75	0.10	0.032	(0.117)	0.008	0.024
202	16.83	0.10	0.032	(0.117)	0.008	0.024
203	16.92	0.10	0.032	(0.116)	0.008	0.024
204	17.00	0.10	0.032	(0.116)	0.008	0.024
205	17.08	0.17	0.054	(0.115)	0.013	0.041
206	17.17	0.17	0.054	(0.114)	0.013	0.041
207	17.25	0.17	0.054	(0.114)	0.013	0.041
208	17.33	0.17	0.054	(0.113)	0.013	0.041
209	17.42	0.17	0.054	(0.113)	0.013	0.041
210	17.50	0.17	0.054	(0.112)	0.013	0.041
211	17.58	0.17	0.054	(0.112)	0.013	0.041
212	17.67	0.17	0.054	(0.111)	0.013	0.041
213	17.75	0.17	0.054	(0.110)	0.013	0.041
214	17.83	0.13	0.043	(0.110)	0.011	0.032
215	17.92	0.13	0.043	(0.109)	0.011	0.032
216	18.00	0.13	0.043	(0.109)	0.011	0.032
217	18.08	0.13	0.043	(0.108)	0.011	0.032
218	18.17	0.13	0.043	(0.108)	0.011	0.032
219	18.25	0.13	0.043	(0.107)	0.011	0.032
220	18.33	0.13	0.043	(0.107)	0.011	0.032
221	18.42	0.13	0.043	(0.106)	0.011	0.032
222	18.50	0.13	0.043	(0.106)	0.011	0.032
223	18.58	0.10	0.032	(0.105)	0.008	0.024
224	18.67	0.10	0.032	(0.105)	0.008	0.024
225	18.75	0.10	0.032	(0.104)	0.008	0.024
226	18.83	0.07	0.022	(0.104)	0.005	0.016
227	18.92	0.07	0.022	(0.103)	0.005	0.016
228	19.00	0.07	0.022	(0.103)	0.005	0.016
229	19.08	0.10	0.032	(0.102)	0.008	0.024
230	19.17	0.10	0.032	(0.102)	0.008	0.024
231	19.25	0.10	0.032	(0.101)	0.008	0.024
232	19.33	0.13	0.043	(0.101)	0.011	0.032
233	19.42	0.13	0.043	(0.100)	0.011	0.032
234	19.50	0.13	0.043	(0.100)	0.011	0.032
235	19.58	0.10	0.032	(0.099)	0.008	0.024
236	19.67	0.10	0.032	(0.099)	0.008	0.024
237	19.75	0.10	0.032	(0.099)	0.008	0.024
238	19.83	0.07	0.022	(0.098)	0.005	0.016
239	19.92	0.07	0.022	(0.098)	0.005	0.016

240	20.00	0.07	0.022	(0.097)	0.005	0.016
241	20.08	0.10	0.032	(0.097)	0.008	0.024
242	20.17	0.10	0.032	(0.096)	0.008	0.024
243	20.25	0.10	0.032	(0.096)	0.008	0.024
244	20.33	0.10	0.032	(0.095)	0.008	0.024
245	20.42	0.10	0.032	(0.095)	0.008	0.024
246	20.50	0.10	0.032	(0.095)	0.008	0.024
247	20.58	0.10	0.032	(0.094)	0.008	0.024
248	20.67	0.10	0.032	(0.094)	0.008	0.024
249	20.75	0.10	0.032	(0.094)	0.008	0.024
250	20.83	0.07	0.022	(0.093)	0.005	0.016
251	20.92	0.07	0.022	(0.093)	0.005	0.016
252	21.00	0.07	0.022	(0.092)	0.005	0.016
253	21.08	0.10	0.032	(0.092)	0.008	0.024
254	21.17	0.10	0.032	(0.092)	0.008	0.024
255	21.25	0.10	0.032	(0.091)	0.008	0.024
256	21.33	0.07	0.022	(0.091)	0.005	0.016
257	21.42	0.07	0.022	(0.091)	0.005	0.016
258	21.50	0.07	0.022	(0.090)	0.005	0.016
259	21.58	0.10	0.032	(0.090)	0.008	0.024
260	21.67	0.10	0.032	(0.090)	0.008	0.024
261	21.75	0.10	0.032	(0.089)	0.008	0.024
262	21.83	0.07	0.022	(0.089)	0.005	0.016
263	21.92	0.07	0.022	(0.089)	0.005	0.016
264	22.00	0.07	0.022	(0.088)	0.005	0.016
265	22.08	0.10	0.032	(0.088)	0.008	0.024
266	22.17	0.10	0.032	(0.088)	0.008	0.024
267	22.25	0.10	0.032	(0.088)	0.008	0.024
268	22.33	0.07	0.022	(0.087)	0.005	0.016
269	22.42	0.07	0.022	(0.087)	0.005	0.016
270	22.50	0.07	0.022	(0.087)	0.005	0.016
271	22.58	0.07	0.022	(0.086)	0.005	0.016
272	22.67	0.07	0.022	(0.086)	0.005	0.016
273	22.75	0.07	0.022	(0.086)	0.005	0.016
274	22.83	0.07	0.022	(0.086)	0.005	0.016
275	22.92	0.07	0.022	(0.086)	0.005	0.016
276	23.00	0.07	0.022	(0.085)	0.005	0.016
277	23.08	0.07	0.022	(0.085)	0.005	0.016
278	23.17	0.07	0.022	(0.085)	0.005	0.016
279	23.25	0.07	0.022	(0.085)	0.005	0.016
280	23.33	0.07	0.022	(0.085)	0.005	0.016
281	23.42	0.07	0.022	(0.084)	0.005	0.016
282	23.50	0.07	0.022	(0.084)	0.005	0.016
283	23.58	0.07	0.022	(0.084)	0.005	0.016
284	23.67	0.07	0.022	(0.084)	0.005	0.016
285	23.75	0.07	0.022	(0.084)	0.005	0.016
286	23.83	0.07	0.022	(0.084)	0.005	0.016
287	23.92	0.07	0.022	(0.084)	0.005	0.016
288	24.00	0.07	0.022	(0.084)	0.005	0.016

(Loss Rate Not Used)

Sum = 100.0 Sum = 24.3

Flood volume = Effective rainfall 2.03(In)
times area 22.4(Ac.)/[(In)/(Ft.)] = 3.8(Ac.Ft)
Total soil loss = 0.67(In)
Total soil loss = 1.256(Ac.Ft)
Total rainfall = 2.70(In)
Flood volume = 165133.9 Cubic Feet
Total soil loss = 54692.9 Cubic Feet

Peak flow rate of this hydrograph = 6.238(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0012	0.17	Q				
0+10	0.0034	0.32	VQ				
0+15	0.0058	0.35	VQ				
0+20	0.0090	0.45	VQ				
0+25	0.0126	0.53	V Q				
0+30	0.0163	0.54	V Q				
0+35	0.0201	0.55	V Q				
0+40	0.0239	0.55	V Q				
0+45	0.0277	0.55	V Q				
0+50	0.0321	0.64	V Q				
0+55	0.0370	0.71	V Q				
1+ 0	0.0420	0.73	V Q				
1+ 5	0.0465	0.65	V Q				
1+10	0.0504	0.57	V Q				
1+15	0.0543	0.56	V Q				
1+20	0.0580	0.55	V Q				
1+25	0.0618	0.55	V Q				
1+30	0.0656	0.55	V Q				
1+35	0.0694	0.55	V Q				
1+40	0.0732	0.55	V Q				
1+45	0.0770	0.55	V Q				
1+50	0.0814	0.64	V Q				
1+55	0.0863	0.71	V Q				
2+ 0	0.0913	0.73	V Q				
2+ 5	0.0964	0.73	|VQ				
2+10	0.1014	0.73	|VQ				
2+15	0.1065	0.73	|VQ				
2+20	0.1115	0.73	|VQ				
2+25	0.1166	0.73	|VQ				
2+30	0.1216	0.73	|VQ				
2+35	0.1273	0.82	|V Q				
2+40	0.1334	0.90	|V Q				
2+45	0.1397	0.91	|V Q				
2+50	0.1460	0.92	|V Q				
2+55	0.1524	0.92	|V Q				
3+ 0	0.1587	0.92	|V Q				
3+ 5	0.1650	0.92	|V Q				
3+10	0.1713	0.92	|V Q				
3+15	0.1776	0.92	|V Q				
3+20	0.1839	0.92	|V Q				
3+25	0.1903	0.92	| VQ				
3+30	0.1966	0.92	| VQ				
3+35	0.2029	0.92	| VQ				
3+40	0.2092	0.92	| VQ				
3+45	0.2155	0.92	| VQ				
3+50	0.2224	1.00	| V Q				
3+55	0.2299	1.08	| V Q				
4+ 0	0.2374	1.09	| V Q				
4+ 5	0.2450	1.10	| V Q				
4+10	0.2526	1.10	| V Q				
4+15	0.2602	1.10	| V Q				
4+20	0.2683	1.19	| V Q				
4+25	0.2770	1.26	| V Q				
4+30	0.2858	1.28	| V Q				
4+35	0.2947	1.28	| V Q				
4+40	0.3035	1.28	| V Q				
4+45	0.3124	1.28	| V Q				
4+50	0.3218	1.37	| V Q				
4+55	0.3318	1.45	| V Q				
5+ 0	0.3418	1.46	| V Q				
5+ 5	0.3508	1.30	| V Q				
5+10	0.3586	1.14	| VQ				
5+15	0.3663	1.11	| VQ				
5+20	0.3745	1.19	| VQ				

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 5+25       0.3832      1.26  |   VQ    |         |         |         |
 5+30       0.3920      1.28  |   VQ    |         |         |         |
 5+35       0.4014      1.37  |   VQ    |         |         |         |
 5+40       0.4114      1.45  |   VQ    |         |         |         |
 5+45       0.4214      1.46  |   VQ    |         |         |         |
 5+50       0.4315      1.47  |   VQ    |         |         |         |
 5+55       0.4416      1.47  |   VQ    |         |         |         |
 6+ 0       0.4518      1.47  |   VQ    |         |         |         |
 6+ 5       0.4625      1.55  |   V Q   |         |         |         |
 6+10       0.4737      1.63  |   V Q   |         |         |         |
 6+15       0.4850      1.65  |    VQ   |         |         |         |
 6+20       0.4964      1.65  |    VQ   |         |         |         |
 6+25       0.5078      1.65  |    VQ   |         |         |         |
 6+30       0.5191      1.65  |    VQ   |         |         |         |
 6+35       0.5311      1.74  |    VQ   |         |         |         |
 6+40       0.5436      1.81  |    V Q  |         |         |         |
 6+45       0.5562      1.83  |    V Q  |         |         |         |
 6+50       0.5688      1.83  |     VQ  |         |         |         |
 6+55       0.5814      1.83  |     VQ  |         |         |         |
 7+ 0       0.5941      1.83  |     VQ  |         |         |         |
 7+ 5       0.6067      1.83  |     VQ  |         |         |         |
 7+10       0.6193      1.83  |     VQ  |         |         |         |
 7+15       0.6320      1.83  |     VQ  |         |         |         |
 7+20       0.6452      1.92  |     VQ  |         |         |         |
 7+25       0.6590      2.00  |     VQ  |         |         |         |
 7+30       0.6728      2.01  |      VQ |         |         |         |
 7+35       0.6873      2.10  |      VQ |         |         |         |
 7+40       0.7023      2.18  |      VQ |         |         |         |
 7+45       0.7174      2.20  |      VQ |         |         |         |
 7+50       0.7332      2.29  |      V Q|         |         |         |
 7+55       0.7495      2.36  |      V Q|         |         |         |
 8+ 0       0.7659      2.38  |       VQ|         |         |         |
 8+ 5       0.7835      2.56  |       V Q         |         |         |
 8+10       0.8021      2.71  |       V Q         |         |         |
 8+15       0.8210      2.74  |       V Q         |         |         |
 8+20       0.8399      2.75  |       V |Q        |         |         |
 8+25       0.8589      2.75  |        V|Q        |         |         |
 8+30       0.8778      2.75  |        V|Q        |         |         |
 8+35       0.8974      2.84  |        V|Q        |         |         |
 8+40       0.9175      2.91  |        V|Q        |         |         |
 8+45       0.9376      2.93  |        V|Q        |         |         |
 8+50       0.9584      3.02  |         V Q       |         |         |
 8+55       0.9798      3.10  |         V Q       |         |         |
 9+ 0       1.0012      3.11  |         V Q       |         |         |
 9+ 5       1.0239      3.29  |         V  Q      |         |         |
 9+10       1.0476      3.44  |         |V Q      |         |         |
 9+15       1.0715      3.47  |         |V Q      |         |         |
 9+20       1.0961      3.57  |         |V  Q     |         |         |
 9+25       1.1212      3.65  |         |V  Q     |         |         |
 9+30       1.1465      3.66  |         | V Q     |         |         |
 9+35       1.1723      3.75  |         | V  Q    |         |         |
 9+40       1.1987      3.83  |         | V  Q    |         |         |
 9+45       1.2252      3.85  |         | V  Q    |         |         |
 9+50       1.2523      3.94  |         |  V Q    |         |         |
 9+55       1.2800      4.02  |         |  V  Q   |         |         |
10+ 0       1.3077      4.03  |         |  V  Q   |         |         |
10+ 5       1.3314      3.44  |         |  QV     |         |         |
10+10       1.3514      2.90  |         |Q  V     |         |         |
10+15       1.3707      2.80  |         |Q  V     |         |         |
10+20       1.3896      2.75  |         |Q  V     |         |         |
10+25       1.4086      2.75  |         |Q  V     |         |         |
10+30       1.4275      2.75  |         |Q   V    |         |         |
10+35       1.4494      3.18  |         | Q  V    |         |         |
10+40       1.4740      3.56  |         |   QV    |         |         |
10+45       1.4990      3.64  |         |   QV    |         |         |
10+50       1.5243      3.67  |         |   Q V   |         |         |
10+55       1.5496      3.67  |         |   Q V   |         |         |
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11+ 0       1.5748      3.67  |          |   Q V   |          |          |
11+ 5       1.5995      3.58  |          |   Q V   |          |          |
11+10       1.6237      3.51  |          |   Q  V  |          |          |
11+15       1.6477      3.49  |          |  Q   V  |          |          |
11+20       1.6717      3.49  |          |  Q   V  |          |          |
11+25       1.6957      3.49  |          |  Q   V  |          |          |
11+30       1.7198      3.49  |          |  Q    V |          |          |
11+35       1.7426      3.32  |          |  Q    V |          |          |
11+40       1.7644      3.16  |          | Q     V |          |          |
11+45       1.7859      3.13  |          | Q     V |          |          |
11+50       1.8080      3.20  |          | Q      V|          |          |
11+55       1.8306      3.28  |          |  Q     V|          |          |
12+ 0       1.8533      3.30  |          |  Q     V|          |          |
12+ 5       1.8801      3.90  |          |    Q   V|          |          |
12+10       1.9107      4.44  |          |      Q  V          |          |
12+15       1.9420      4.54  |          |       Q V          |          |
12+20       1.9742      4.67  |          |       Q V          |          |
12+25       2.0069      4.75  |          |       Q |V         |          |
12+30       2.0397      4.76  |          |        Q|V         |          |
12+35       2.0737      4.94  |          |        Q|V         |          |
12+40       2.1088      5.10  |          |         Q V        |          |
12+45       2.1441      5.12  |          |         Q V        |          |
12+50       2.1801      5.22  |          |         Q  V       |          |
12+55       2.2166      5.30  |          |          |Q V      |          |
13+ 0       2.2532      5.31  |          |          |Q V      |          |
13+ 5       2.2927      5.75  |          |          | Q V     |          |
13+10       2.3350      6.13  |          |          |   Q     |          |
13+15       2.3777      6.21  |          |          |   QV    |          |
13+20       2.4207      6.24  |          |          |   QV    |          |
13+25       2.4637      6.24  |          |          |   QV    |          |
13+30       2.5066      6.24  |          |          |   Q V   |          |
13+35       2.5431      5.30  |          |          |Q    V   |          |
13+40       2.5738      4.45  |          |      Q   |      V  |          |
13+45       2.6034      4.29  |          |      Q   |      V  |          |
13+50       2.6324      4.22  |          |     Q    |      V  |          |
13+55       2.6615      4.22  |          |     Q    |       V |          |
14+ 0       2.6906      4.22  |          |     Q    |       V |          |
14+ 5       2.7220      4.56  |          |       Q  |       V |          |
14+10       2.7555      4.87  |          |        Q |        V|          |
14+15       2.7894      4.93  |          |        Q |        V|          |
14+20       2.8230      4.87  |          |        Q |        V|          |
14+25       2.8560      4.79  |          |        Q |         V          |
14+30       2.8889      4.78  |          |        Q |         V          |
14+35       2.9217      4.77  |          |        Q |         V          |
14+40       2.9546      4.77  |          |        Q |         |V         |
14+45       2.9874      4.77  |          |        Q |         |V         |
14+50       3.0197      4.69  |          |       Q  |         |V         |
14+55       3.0514      4.61  |          |       Q  |         | V        |
15+ 0       3.0831      4.59  |          |       Q  |         | V        |
15+ 5       3.1141      4.50  |          |       Q  |         | V        |
15+10       3.1446      4.42  |          |      Q   |         |  V       |
15+15       3.1749      4.41  |          |      Q   |         |  V       |
15+20       3.2047      4.32  |          |      Q   |         |  V       |
15+25       3.2339      4.24  |          |     Q    |         |   V      |
15+30       3.2630      4.23  |          |     Q    |         |   V      |
15+35       3.2897      3.88  |          |    Q     |         |   V      |
15+40       3.3143      3.57  |          |   Q      |         |   V      |
15+45       3.3385      3.51  |          |   Q      |         |    V     |
15+50       3.3625      3.49  |          |  Q       |         |    V     |
15+55       3.3865      3.49  |          |  Q       |         |    V     |
16+ 0       3.4105      3.49  |          |  Q       |         |    V     |
16+ 5       3.4258      2.21  |        Q |          |         |     V    |
16+10       3.4330      1.05  |   Q      |          |         |     V    |
16+15       3.4387      0.83  |  Q       |          |         |     V    |
16+20       3.4438      0.73  | Q        |          |         |     V    |
16+25       3.4488      0.73  | Q        |          |         |     V    |
16+30       3.4539      0.73  | Q        |          |         |     V    |
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16+35	3.4583	0.65	Q				V
16+40	3.4623	0.57	Q				V
16+45	3.4661	0.56	Q				V
16+50	3.4699	0.55	Q				V
16+55	3.4737	0.55	Q				V
17+ 0	3.4775	0.55	Q				V
17+ 5	3.4824	0.72	Q				V
17+10	3.4885	0.87	Q				V
17+15	3.4947	0.90	Q				V
17+20	3.5010	0.92	Q				V
17+25	3.5073	0.92	Q				V
17+30	3.5137	0.92	Q				V
17+35	3.5200	0.92	Q				V
17+40	3.5263	0.92	Q				V
17+45	3.5326	0.92	Q				V
17+50	3.5383	0.83	Q				V
17+55	3.5436	0.76	Q				V
18+ 0	3.5486	0.74	Q				V
18+ 5	3.5537	0.73	Q				V
18+10	3.5588	0.73	Q				V
18+15	3.5638	0.73	Q				V
18+20	3.5689	0.73	Q				V
18+25	3.5739	0.73	Q				V
18+30	3.5790	0.73	Q				V
18+35	3.5834	0.65	Q				V
18+40	3.5874	0.57	Q				V
18+45	3.5912	0.56	Q				V
18+50	3.5944	0.47	Q				V
18+55	3.5971	0.39	Q				V
19+ 0	3.5997	0.37	Q				V
19+ 5	3.6028	0.45	Q				V
19+10	3.6064	0.53	Q				V
19+15	3.6102	0.54	Q				V
19+20	3.6145	0.64	Q				V
19+25	3.6195	0.71	Q				V
19+30	3.6245	0.73	Q				V
19+35	3.6289	0.65	Q				V
19+40	3.6329	0.57	Q				V
19+45	3.6367	0.56	Q				V
19+50	3.6399	0.47	Q				V
19+55	3.6426	0.39	Q				V
20+ 0	3.6452	0.37	Q				V
20+ 5	3.6483	0.45	Q				V
20+10	3.6519	0.53	Q				V
20+15	3.6557	0.54	Q				V
20+20	3.6595	0.55	Q				V
20+25	3.6632	0.55	Q				V
20+30	3.6670	0.55	Q				V
20+35	3.6708	0.55	Q				V
20+40	3.6746	0.55	Q				V
20+45	3.6784	0.55	Q				V
20+50	3.6816	0.47	Q				V
20+55	3.6843	0.39	Q				V
21+ 0	3.6869	0.37	Q				V
21+ 5	3.6900	0.45	Q				V
21+10	3.6936	0.53	Q				V
21+15	3.6974	0.54	Q				V
21+20	3.7006	0.47	Q				V
21+25	3.7032	0.39	Q				V
21+30	3.7058	0.37	Q				V
21+35	3.7089	0.45	Q				V
21+40	3.7126	0.53	Q				V
21+45	3.7163	0.54	Q				V
21+50	3.7195	0.47	Q				V
21+55	3.7222	0.39	Q				V
22+ 0	3.7248	0.37	Q				V
22+ 5	3.7279	0.45	Q				V

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   22+10       3.7315      0.53  | Q       |         |         |        V|
   22+15       3.7353      0.54  | Q       |         |         |        V|
   22+20       3.7385      0.47  |Q        |         |         |        V|
   22+25       3.7412      0.39  |Q        |         |         |        V|
   22+30       3.7437      0.37  |Q        |         |         |        V|
   22+35       3.7463      0.37  |Q        |         |         |        V|
   22+40       3.7488      0.37  |Q        |         |         |        V|
   22+45       3.7513      0.37  |Q        |         |         |        V|
   22+50       3.7538      0.37  |Q        |         |         |        V|
   22+55       3.7564      0.37  |Q        |         |         |        V|
   23+ 0       3.7589      0.37  |Q        |         |         |        V|
   23+ 5       3.7614      0.37  |Q        |         |         |        V|
   23+10       3.7639      0.37  |Q        |         |         |        V|
   23+15       3.7665      0.37  |Q        |         |         |        V|
   23+20       3.7690      0.37  |Q        |         |         |        V|
   23+25       3.7715      0.37  |Q        |         |         |        V|
   23+30       3.7741      0.37  |Q        |         |         |        V|
   23+35       3.7766      0.37  |Q        |         |         |        V|
   23+40       3.7791      0.37  |Q        |         |         |        V|
   23+45       3.7816      0.37  |Q        |         |         |        V|
   23+50       3.7842      0.37  |Q        |         |         |        V|
   23+55       3.7867      0.37  |Q        |         |         |        V|
   24+ 0       3.7892      0.37  |Q        |         |         |        V|
   24+ 5       3.7906      0.20  Q         |         |         |        V|
   24+10       3.7909      0.04  Q         |         |         |        V|
   24+15       3.7910      0.01  Q         |         |         |        V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/19/21 File: RVPRG110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN G- PROPOSED UNIT HYDROGRAPH
10YR-1HR

Drainage Area = 22.43(Ac.) = 0.035 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 22.43(Ac.) = 0.035 Sq. Mi.
Length along longest watercourse = 1605.00(Ft.)
Length along longest watercourse measured to centroid = 637.00(Ft.)
Length along longest watercourse = 0.304 Mi.
Length along longest watercourse measured to centroid = 0.121 Mi.
Difference in elevation = 54.00(Ft.)
Slope along watercourse = 177.6449 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.038 Hr.
Lag time = 2.30 Min.
25% of lag time = 0.57 Min.
40% of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	0.55	12.34

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	1.30	29.16

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 0.859(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 0.858(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
22.430	64.50	0.814

Total Area Entered = 22.43(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
     64.5  64.5      0.421     0.814        0.113       1.000      0.113
                                                        Sum (F) =   0.113
     Area averaged mean soil loss (F) (In/Hr) =  0.167
     Minimum soil loss rate ((In/Hr)) =  0.084
     (for 24 hour storm duration)
     Note: User entry of the f value
     Soil low loss rate (decimal) =   0.249
     ------------------------------------------------------------------
     Slope of intensity-duration curve for a 1 hour storm =0.5500
     ------------------------------------------------------------------

                 U n i t  H y d r o g r a p h
                        VALLEY S-Curve
     ------------------------------------------------------------------
                 Unit Hydrograph Data
     ------------------------------------------------------------------
     Unit time period   Time % of lag   Distribution   Unit Hydrograph
         (hrs)                           Graph %           (CFS)
     ------------------------------------------------------------------
         1   0.083        217.510         46.271             10.460
         2   0.167        435.020         42.164              9.531
         3   0.250        652.530          8.127              1.837
         4   0.333        870.041          3.438              0.777
                                  Sum = 100.000   Sum=      22.605
-----------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

```
 Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
      (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
  1   0.08     3.30      0.340       (  0.167)       0.085        0.255
  2   0.17     4.20      0.433       (  0.167)       0.108        0.325
  3   0.25     4.40      0.453       (  0.167)       0.113        0.340
  4   0.33     4.80      0.494       (  0.167)       0.123        0.371
  5   0.42     5.20      0.536       (  0.167)       0.133        0.402
  6   0.50     6.20      0.639       (  0.167)       0.159        0.480
  7   0.58     6.80      0.700          0.167    (  0.174)        0.533
  8   0.67     8.80      0.906          0.167    (  0.226)        0.739
  9   0.75    13.90      1.432          0.167    (  0.356)        1.264
 10   0.83    31.40      3.234          0.167    (  0.805)        3.067
 11   0.92     7.20      0.742          0.167    (  0.185)        0.574
 12   1.00     3.80      0.391       (  0.167)       0.097        0.294
            (Loss Rate Not Used)
    Sum =     100.0                                  Sum =     8.6
     Flood volume = Effective rainfall      0.72(In)
      times area      22.4(Ac.)/[(In)/(Ft.)] =       1.3(Ac.Ft)
     Total soil loss =      0.14(In)
     Total soil loss =     0.258(Ac.Ft)
     Total rainfall =      0.86(In)
     Flood volume =       58665.3 Cubic Feet
     Total soil loss =       11224.9 Cubic Feet
     ------------------------------------------------------------------
      Peak flow rate of this hydrograph =     45.927(CFS)
     ------------------------------------------------------------------
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                       1 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
     ------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0       12.5      25.0      37.5      50.0
 ----------------------------------------------------------------------
   0+ 5       0.0184      2.67  V Q       |         |         |         |
   0+10       0.0586      5.84  |V  Q     |         |         |         |
```

```
    0+15       0.1077      7.13  |  V Q    |          |          |          |
    0+20       0.1623      7.93  |   V Q   |          |          |          |
    0+25       0.2218      8.63  |     Q   |          |          |          |
    0+30       0.2893      9.81  |      QV |          |          |          |
    0+35       0.3663     11.18  |       Q V          |          |          |
    0+40       0.4628     14.01  |          |Q V      |          |          |
    0+45       0.6118     21.63  |          |      QV |          |          |
    0+50       0.9281     45.93  |          |         |      V   |     Q    |
    0+55       1.1909     38.16  |          |         |          Q    V     |
    1+ 0       1.2954     15.17  |          | Q       |          |       V  |
    1+ 5       1.3384      6.24  |   Q      |         |          |        V |
    1+10       1.3452      0.99  Q          |         |          |        V |
    1+15       1.3468      0.23  Q          |         |          |        V |
---------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/19/21 File: RVPRG310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN G- PROPOSED UNIT HYDROGRAPH
10YR-3HR

Drainage Area = 22.43(Ac.) = 0.035 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 22.43(Ac.) = 0.035 Sq. Mi.
Length along longest watercourse = 1605.00(Ft.)
Length along longest watercourse measured to centroid = 637.00(Ft.)
Length along longest watercourse = 0.304 Mi.
Length along longest watercourse measured to centroid = 0.121 Mi.
Difference in elevation = 54.00(Ft.)
Slope along watercourse = 177.6449 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.038 Hr.
Lag time = 2.30 Min.
25% of lag time = 0.57 Min.
40% of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	1.10	24.67

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	2.00	44.86

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 1.470(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.470(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
22.430	64.50	0.814

Total Area Entered = 22.43(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
64.5  64.5      0.421     0.814        0.113       1.000      0.113
                                                  Sum (F) =   0.113
Area averaged mean soil loss (F) (In/Hr) =  0.167
Minimum soil loss rate ((In/Hr)) =  0.084
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) =   0.249
```

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	217.510	46.271	10.460
2	0.167	435.020	42.164	9.531
3	0.250	652.530	8.127	1.837
4	0.333	870.041	3.438	0.777
		Sum = 100.000	Sum=	22.605

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.229	(0.167)	0.057	0.172
2	0.17	1.30	0.229	(0.167)	0.057	0.172
3	0.25	1.10	0.194	(0.167)	0.048	0.146
4	0.33	1.50	0.265	(0.167)	0.066	0.199
5	0.42	1.50	0.265	(0.167)	0.066	0.199
6	0.50	1.80	0.318	(0.167)	0.079	0.239
7	0.58	1.50	0.265	(0.167)	0.066	0.199
8	0.67	1.80	0.318	(0.167)	0.079	0.239
9	0.75	1.80	0.318	(0.167)	0.079	0.239
10	0.83	1.50	0.265	(0.167)	0.066	0.199
11	0.92	1.60	0.282	(0.167)	0.070	0.212
12	1.00	1.80	0.318	(0.167)	0.079	0.239
13	1.08	2.20	0.388	(0.167)	0.097	0.292
14	1.17	2.20	0.388	(0.167)	0.097	0.292
15	1.25	2.20	0.388	(0.167)	0.097	0.292
16	1.33	2.00	0.353	(0.167)	0.088	0.265
17	1.42	2.60	0.459	(0.167)	0.114	0.345
18	1.50	2.70	0.476	(0.167)	0.119	0.358
19	1.58	2.40	0.423	(0.167)	0.105	0.318
20	1.67	2.70	0.476	(0.167)	0.119	0.358
21	1.75	3.30	0.582	(0.167)	0.145	0.437
22	1.83	3.10	0.547	(0.167)	0.136	0.411
23	1.92	2.90	0.512	(0.167)	0.127	0.384
24	2.00	3.00	0.529	(0.167)	0.132	0.398
25	2.08	3.10	0.547	(0.167)	0.136	0.411
26	2.17	4.20	0.741	0.167	(0.184)	0.574
27	2.25	5.00	0.882	0.167	(0.219)	0.715
28	2.33	3.50	0.617	(0.167)	0.154	0.464
29	2.42	6.80	1.200	0.167	(0.298)	1.032
30	2.50	7.30	1.288	0.167	(0.320)	1.120
31	2.58	8.20	1.447	0.167	(0.360)	1.279
32	2.67	5.90	1.041	0.167	(0.259)	0.873
33	2.75	2.00	0.353	(0.167)	0.088	0.265
34	2.83	1.80	0.318	(0.167)	0.079	0.239
35	2.92	1.80	0.318	(0.167)	0.079	0.239
36	3.00	0.60	0.106	(0.167)	0.026	0.080

```
          (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    13.9
     Flood volume = Effective rainfall      1.16(In)
      times area      22.4(Ac.)/[(In)/(Ft.)] =       2.2(Ac.Ft)
     Total soil loss =      0.31(In)
     Total soil loss =     0.584(Ac.Ft)
     Total rainfall =      1.47(In)
     Flood volume =       94242.3 Cubic Feet
     Total soil loss =       25456.5 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     26.330(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         3 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0        7.5      15.0      22.5      30.0
  ------------------------------------------------------------------------
    0+ 5       0.0124      1.80  V Q       |         |         |         |
    0+10       0.0361      3.45  V   Q     |         |         |         |
    0+15       0.0602      3.49  |V  Q     |         |         |         |
    0+20       0.0872      3.92  |V   Q    |         |         |         |
    0+25       0.1173      4.38  | V  Q    |         |         |         |
    0+30       0.1509      4.87  | V   Q   |         |         |         |
    0+35       0.1844      4.88  |  V  Q   |         |         |         |
    0+40       0.2188      4.99  |   V Q   |         |         |         |
    0+45       0.2554      5.32  |   V  Q  |         |         |         |
    0+50       0.2895      4.95  |    VQ   |         |         |         |
    0+55       0.3221      4.74  |    VQ   |         |         |         |
    1+ 0       0.3570      5.07  |     Q   |         |         |         |
    1+ 5       0.3975      5.87  |      Q  |         |         |         |
    1+10       0.4418      6.43  |       Q |         |         |         |
    1+15       0.4869      6.55  |       QV|         |         |         |
    1+20       0.5304      6.32  |       QV|         |         |         |
    1+25       0.5779      6.90  |        QV         |         |         |
    1+30       0.6312      7.74  |         QV        |         |         |
    1+35       0.6834      7.58  |         Q V       |         |         |
    1+40       0.7365      7.70  |         Q  V      |         |         |
    1+45       0.7975      8.85  |         |Q  V     |         |         |
    1+50       0.8620      9.37  |         | Q  V    |         |         |
    1+55       0.9242      9.02  |         | Q    V  |         |         |
    2+ 0       0.9856      8.92  |         |Q      V |         |         |
    2+ 5       1.0484      9.12  |         | Q      V|         |         |
    2+10       1.1238     10.95  |         |   Q     V         |         |
    2+15       1.2203     14.01  |         |       Q | V       |         |
    2+20       1.3101     13.04  |         |      Q  |   V     |         |
    2+25       1.4271     16.99  |         |         | Q   V   |         |
    2+30       1.5854     22.98  |         |         |       VQ          |
    2+35       1.7667     26.33  |         |         |         | V  Q    |
    2+40       1.9334     24.20  |         |         |         | Q  V    |
    2+45       2.0320     14.33  |         |        Q|         |      V  |
    2+50       2.0845      7.62  |         Q         |         |       V |
    2+55       2.1254      5.94  |       Q  |        |         |        V|
    3+ 0       2.1513      3.75  |     Q    |        |         |        V|
    3+ 5       2.1608      1.38  |Q         |        |         |        V|
    3+10       2.1631      0.33  Q          |        |         |        V|
    3+15       2.1635      0.06  Q          |        |         |         V
  ------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/19/21 File: RVPRG610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN G- PROPOSED UNIT HYDROGRAPH
10YR-6HR

Drainage Area = 22.43(Ac.) = 0.035 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 22.43(Ac.) = 0.035 Sq. Mi.
Length along longest watercourse = 1605.00(Ft.)
Length along longest watercourse measured to centroid = 637.00(Ft.)
Length along longest watercourse = 0.304 Mi.
Length along longest watercourse measured to centroid = 0.121 Mi.
Difference in elevation = 54.00(Ft.)
Slope along watercourse = 177.6449 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.038 Hr.
Lag time = 2.30 Min.
25% of lag time = 0.57 Min.
40% of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	1.60	35.89

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	3.00	67.29

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 2.176(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.176(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
22.430	64.50	0.814

Total Area Entered = 22.43(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      64.5  64.5      0.421     0.814        0.113       1.000      0.113
                                                          Sum (F) =   0.113
      Area averaged mean soil loss (F) (In/Hr) =  0.167
      Minimum soil loss rate ((In/Hr)) =  0.084
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.249
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        217.510         46.271             10.460
          2   0.167        435.020         42.164              9.531
          3   0.250        652.530          8.127              1.837
          4   0.333        870.041          3.438              0.777
                                   Sum = 100.000   Sum=      22.605
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.50	0.131	(0.167)	0.032	0.098
2	0.17	0.60	0.157	(0.167)	0.039	0.118
3	0.25	0.60	0.157	(0.167)	0.039	0.118
4	0.33	0.60	0.157	(0.167)	0.039	0.118
5	0.42	0.60	0.157	(0.167)	0.039	0.118
6	0.50	0.70	0.183	(0.167)	0.045	0.137
7	0.58	0.70	0.183	(0.167)	0.045	0.137
8	0.67	0.70	0.183	(0.167)	0.045	0.137
9	0.75	0.70	0.183	(0.167)	0.045	0.137
10	0.83	0.70	0.183	(0.167)	0.045	0.137
11	0.92	0.70	0.183	(0.167)	0.045	0.137
12	1.00	0.80	0.209	(0.167)	0.052	0.157
13	1.08	0.80	0.209	(0.167)	0.052	0.157
14	1.17	0.80	0.209	(0.167)	0.052	0.157
15	1.25	0.80	0.209	(0.167)	0.052	0.157
16	1.33	0.80	0.209	(0.167)	0.052	0.157
17	1.42	0.80	0.209	(0.167)	0.052	0.157
18	1.50	0.80	0.209	(0.167)	0.052	0.157
19	1.58	0.80	0.209	(0.167)	0.052	0.157
20	1.67	0.80	0.209	(0.167)	0.052	0.157
21	1.75	0.80	0.209	(0.167)	0.052	0.157
22	1.83	0.80	0.209	(0.167)	0.052	0.157
23	1.92	0.80	0.209	(0.167)	0.052	0.157
24	2.00	0.90	0.235	(0.167)	0.058	0.177
25	2.08	0.80	0.209	(0.167)	0.052	0.157
26	2.17	0.90	0.235	(0.167)	0.058	0.177
27	2.25	0.90	0.235	(0.167)	0.058	0.177
28	2.33	0.90	0.235	(0.167)	0.058	0.177
29	2.42	0.90	0.235	(0.167)	0.058	0.177
30	2.50	0.90	0.235	(0.167)	0.058	0.177
31	2.58	0.90	0.235	(0.167)	0.058	0.177
32	2.67	0.90	0.235	(0.167)	0.058	0.177
33	2.75	1.00	0.261	(0.167)	0.065	0.196
34	2.83	1.00	0.261	(0.167)	0.065	0.196
35	2.92	1.00	0.261	(0.167)	0.065	0.196
36	3.00	1.00	0.261	(0.167)	0.065	0.196
37	3.08	1.00	0.261	(0.167)	0.065	0.196

```
38   3.17     1.10      0.287       (  0.167)       0.071        0.216
39   3.25     1.10      0.287       (  0.167)       0.071        0.216
40   3.33     1.10      0.287       (  0.167)       0.071        0.216
41   3.42     1.20      0.313       (  0.167)       0.078        0.235
42   3.50     1.30      0.339       (  0.167)       0.084        0.255
43   3.58     1.40      0.366       (  0.167)       0.091        0.275
44   3.67     1.40      0.366       (  0.167)       0.091        0.275
45   3.75     1.50      0.392       (  0.167)       0.097        0.294
46   3.83     1.50      0.392       (  0.167)       0.097        0.294
47   3.92     1.60      0.418       (  0.167)       0.104        0.314
48   4.00     1.60      0.418       (  0.167)       0.104        0.314
49   4.08     1.70      0.444       (  0.167)       0.110        0.333
50   4.17     1.80      0.470       (  0.167)       0.117        0.353
51   4.25     1.90      0.496       (  0.167)       0.123        0.373
52   4.33     2.00      0.522       (  0.167)       0.130        0.392
53   4.42     2.10      0.548       (  0.167)       0.136        0.412
54   4.50     2.10      0.548       (  0.167)       0.136        0.412
55   4.58     2.20      0.574       (  0.167)       0.143        0.431
56   4.67     2.30      0.601       (  0.167)       0.149        0.451
57   4.75     2.40      0.627       (  0.167)       0.156        0.471
58   4.83     2.40      0.627       (  0.167)       0.156        0.471
59   4.92     2.50      0.653       (  0.167)       0.162        0.490
60   5.00     2.60      0.679          0.167    (  0.169)       0.511
61   5.08     3.10      0.809          0.167    (  0.201)       0.642
62   5.17     3.60      0.940          0.167    (  0.234)       0.773
63   5.25     3.90      1.018          0.167    (  0.253)       0.851
64   5.33     4.20      1.097          0.167    (  0.273)       0.929
65   5.42     4.70      1.227          0.167    (  0.305)       1.060
66   5.50     5.60      1.462          0.167    (  0.364)       1.295
67   5.58     1.90      0.496       (  0.167)       0.123        0.373
68   5.67     0.90      0.235       (  0.167)       0.058        0.177
69   5.75     0.60      0.157       (  0.167)       0.039        0.118
70   5.83     0.50      0.131       (  0.167)       0.032        0.098
71   5.92     0.30      0.078       (  0.167)       0.019        0.059
72   6.00     0.20      0.052       (  0.167)       0.013        0.039
            (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    20.2
     Flood volume = Effective rainfall      1.69(In)
      times area      22.4(Ac.)/[(In)/(Ft.)] =       3.2(Ac.Ft)
     Total soil loss =      0.49(In)
     Total soil loss =     0.914(Ac.Ft)
     Total rainfall =      2.18(In)
     Flood volume =      137339.5 Cubic Feet
     Total soil loss =       39816.3 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     26.026(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        7.5      15.0      22.5      30.0
----------------------------------------------------------------------
  0+ 5       0.0071      1.03  VQ        |         |         |         |
  0+10       0.0220      2.17  V Q       |         |         |         |
  0+15       0.0394      2.53  V  Q      |         |         |         |
  0+20       0.0577      2.65  V  Q      |         |         |         |
  0+25       0.0760      2.66  V  Q      |         |         |         |
  0+30       0.0957      2.87  |V Q      |         |         |         |
  0+35       0.1168      3.05  |V  Q     |         |         |         |
  0+40       0.1381      3.09  |V  Q     |         |         |         |
  0+45       0.1594      3.11  | V Q     |         |         |         |
  0+50       0.1808      3.11  | V Q     |         |         |         |
  0+55       0.2022      3.11  | V Q     |         |         |         |
```

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   1+ 0       0.2250      3.31  | V Q     |         |         |         |
   1+ 5       0.2491      3.50  |  VQ     |         |         |         |
   1+10       0.2734      3.53  |  VQ     |         |         |         |
   1+15       0.2979      3.55  |  VQ     |         |         |         |
   1+20       0.3223      3.55  |   Q     |         |         |         |
   1+25       0.3468      3.55  |   Q     |         |         |         |
   1+30       0.3712      3.55  |   Q     |         |         |         |
   1+35       0.3956      3.55  |   QV    |         |         |         |
   1+40       0.4201      3.55  |   QV    |         |         |         |
   1+45       0.4445      3.55  |   QV    |         |         |         |
   1+50       0.4690      3.55  |   QV    |         |         |         |
   1+55       0.4934      3.55  |   Q V   |         |         |         |
   2+ 0       0.5193      3.75  |    QV   |         |         |         |
   2+ 5       0.5450      3.74  |   Q V   |         |         |         |
   2+10       0.5711      3.79  |    Q V  |         |         |         |
   2+15       0.5983      3.96  |    Q V  |         |         |         |
   2+20       0.6257      3.98  |    Q V  |         |         |         |
   2+25       0.6532      3.99  |    Q  V |         |         |         |
   2+30       0.6807      3.99  |    Q  V |         |         |         |
   2+35       0.7082      3.99  |    Q  V |         |         |         |
   2+40       0.7357      3.99  |    Q   V|         |         |         |
   2+45       0.7646      4.20  |    Q   V|         |         |         |
   2+50       0.7948      4.38  |    Q    V         |         |         |
   2+55       0.8253      4.42  |    Q    V         |         |         |
   3+ 0       0.8558      4.44  |    Q    V         |         |         |
   3+ 5       0.8864      4.44  |    Q    |V        |         |         |
   3+10       0.9183      4.64  |     Q   |V        |         |         |
   3+15       0.9516      4.83  |     Q   | V       |         |         |
   3+20       0.9851      4.86  |     Q   | V       |         |         |
   3+25       1.0201      5.08  |     Q   | V       |         |         |
   3+30       1.0578      5.48  |      Q  |  V      |         |         |
   3+35       1.0985      5.91  |      Q  |  V      |         |         |
   3+40       1.1408      6.14  |       Q |   V     |         |         |
   3+45       1.1849      6.40  |       Q |    V    |         |         |
   3+50       1.2304      6.60  |       Q |    V    |         |         |
   3+55       1.2775      6.84  |        Q|     V   |         |         |
   4+ 0       1.3260      7.05  |        Q|     V   |         |         |
   4+ 5       1.3762      7.29  |        Q|      V  |         |         |
   4+10       1.4292      7.70  |         Q       V |         |         |
   4+15       1.4852      8.12  |         Q       V |         |         |
   4+20       1.5442      8.57  |         |Q       V|         |         |
   4+25       1.6062      9.01  |         | Q       V         |         |
   4+30       1.6699      9.25  |         | Q       |V        |         |
   4+35       1.7354      9.51  |         | Q       | V       |         |
   4+40       1.8036      9.91  |         |  Q      | V       |         |
   4+45       1.8749     10.34  |         |  Q      |  V      |         |
   4+50       1.9477     10.58  |         |   Q     |   V     |         |
   4+55       2.0224     10.84  |         |   Q     |    V    |         |
   5+ 0       2.0999     11.26  |         |    Q    |     V   |         |
   5+ 5       2.1885     12.86  |         |      Q  |      V  |         |
   5+10       2.2955     15.53  |         |         Q        V|         |
   5+15       2.4184     17.85  |         |         |  Q      V         |
   5+20       2.5545     19.76  |         |         |     Q   | V       |
   5+25       2.7068     22.12  |         |         |        Q|   V     |
   5+30       2.8860     26.03  |         |         |         |   Q V   |
   5+35       3.0163     18.92  |         |         |    Q    |       V |
   5+40       3.0756      8.60  |         |Q        |         |        V|
   5+45       3.1073      4.61  |      Q  |         |         |        V|
   5+50       3.1263      2.76  |  Q      |         |         |        V|
   5+55       3.1395      1.90  | Q       |         |         |        V|
   6+ 0       3.1480      1.24  |Q        |         |         |        V|
   6+ 5       3.1519      0.56  Q         |         |         |        V|
   6+10       3.1527      0.12  Q         |         |         |        V|
   6+15       3.1529      0.03  Q         |         |         |         V
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/19/21 File: RVPRG2410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN G- PROPOSED UNIT HYDROGRAPH
10YR-24HR

Drainage Area = 22.43(Ac.) = 0.035 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 22.43(Ac.) = 0.035 Sq. Mi.
Length along longest watercourse = 1605.00(Ft.)
Length along longest watercourse measured to centroid = 637.00(Ft.)
Length along longest watercourse = 0.304 Mi.
Length along longest watercourse measured to centroid = 0.121 Mi.
Difference in elevation = 54.00(Ft.)
Slope along watercourse = 177.6449 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.038 Hr.
Lag time = 2.30 Min.
25% of lag time = 0.57 Min.
40% of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	2.70	60.56

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	7.00	157.01

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 4.469(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 4.469(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
22.430	64.50	0.814

Total Area Entered = 22.43(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      64.5  64.5      0.421     0.814        0.113       1.000      0.113
                                                          Sum (F) =   0.113
      Area averaged mean soil loss (F) (In/Hr) =  0.167
      Minimum soil loss rate ((In/Hr)) =  0.084
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.249
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        217.510         46.271             10.460
          2   0.167        435.020         42.164              9.531
          3   0.250        652.530          8.127              1.837
          4   0.333        870.041          3.438              0.777
                                   Sum = 100.000   Sum=      22.605
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)          Max   |   Low         (In/Hr)
    1   0.08     0.07      0.036       (  0.297)       0.009        0.027
    2   0.17     0.07      0.036       (  0.296)       0.009        0.027
    3   0.25     0.07      0.036       (  0.294)       0.009        0.027
    4   0.33     0.10      0.054       (  0.293)       0.013        0.040
    5   0.42     0.10      0.054       (  0.292)       0.013        0.040
    6   0.50     0.10      0.054       (  0.291)       0.013        0.040
    7   0.58     0.10      0.054       (  0.290)       0.013        0.040
    8   0.67     0.10      0.054       (  0.289)       0.013        0.040
    9   0.75     0.10      0.054       (  0.288)       0.013        0.040
   10   0.83     0.13      0.072       (  0.286)       0.018        0.054
   11   0.92     0.13      0.072       (  0.285)       0.018        0.054
   12   1.00     0.13      0.072       (  0.284)       0.018        0.054
   13   1.08     0.10      0.054       (  0.283)       0.013        0.040
   14   1.17     0.10      0.054       (  0.282)       0.013        0.040
   15   1.25     0.10      0.054       (  0.281)       0.013        0.040
   16   1.33     0.10      0.054       (  0.280)       0.013        0.040
   17   1.42     0.10      0.054       (  0.279)       0.013        0.040
   18   1.50     0.10      0.054       (  0.277)       0.013        0.040
   19   1.58     0.10      0.054       (  0.276)       0.013        0.040
   20   1.67     0.10      0.054       (  0.275)       0.013        0.040
   21   1.75     0.10      0.054       (  0.274)       0.013        0.040
   22   1.83     0.13      0.072       (  0.273)       0.018        0.054
   23   1.92     0.13      0.072       (  0.272)       0.018        0.054
   24   2.00     0.13      0.072       (  0.271)       0.018        0.054
   25   2.08     0.13      0.072       (  0.270)       0.018        0.054
   26   2.17     0.13      0.072       (  0.269)       0.018        0.054
   27   2.25     0.13      0.072       (  0.268)       0.018        0.054
   28   2.33     0.13      0.072       (  0.266)       0.018        0.054
   29   2.42     0.13      0.072       (  0.265)       0.018        0.054
   30   2.50     0.13      0.072       (  0.264)       0.018        0.054
   31   2.58     0.17      0.089       (  0.263)       0.022        0.067
   32   2.67     0.17      0.089       (  0.262)       0.022        0.067
   33   2.75     0.17      0.089       (  0.261)       0.022        0.067
   34   2.83     0.17      0.089       (  0.260)       0.022        0.067
   35   2.92     0.17      0.089       (  0.259)       0.022        0.067
   36   3.00     0.17      0.089       (  0.258)       0.022        0.067
   37   3.08     0.17      0.089       (  0.257)       0.022        0.067
```

38	3.17	0.17	0.089	(0.256)	0.022	0.067
39	3.25	0.17	0.089	(0.255)	0.022	0.067
40	3.33	0.17	0.089	(0.254)	0.022	0.067
41	3.42	0.17	0.089	(0.253)	0.022	0.067
42	3.50	0.17	0.089	(0.251)	0.022	0.067
43	3.58	0.17	0.089	(0.250)	0.022	0.067
44	3.67	0.17	0.089	(0.249)	0.022	0.067
45	3.75	0.17	0.089	(0.248)	0.022	0.067
46	3.83	0.20	0.107	(0.247)	0.027	0.081
47	3.92	0.20	0.107	(0.246)	0.027	0.081
48	4.00	0.20	0.107	(0.245)	0.027	0.081
49	4.08	0.20	0.107	(0.244)	0.027	0.081
50	4.17	0.20	0.107	(0.243)	0.027	0.081
51	4.25	0.20	0.107	(0.242)	0.027	0.081
52	4.33	0.23	0.125	(0.241)	0.031	0.094
53	4.42	0.23	0.125	(0.240)	0.031	0.094
54	4.50	0.23	0.125	(0.239)	0.031	0.094
55	4.58	0.23	0.125	(0.238)	0.031	0.094
56	4.67	0.23	0.125	(0.237)	0.031	0.094
57	4.75	0.23	0.125	(0.236)	0.031	0.094
58	4.83	0.27	0.143	(0.235)	0.036	0.107
59	4.92	0.27	0.143	(0.234)	0.036	0.107
60	5.00	0.27	0.143	(0.233)	0.036	0.107
61	5.08	0.20	0.107	(0.232)	0.027	0.081
62	5.17	0.20	0.107	(0.231)	0.027	0.081
63	5.25	0.20	0.107	(0.230)	0.027	0.081
64	5.33	0.23	0.125	(0.229)	0.031	0.094
65	5.42	0.23	0.125	(0.228)	0.031	0.094
66	5.50	0.23	0.125	(0.227)	0.031	0.094
67	5.58	0.27	0.143	(0.226)	0.036	0.107
68	5.67	0.27	0.143	(0.225)	0.036	0.107
69	5.75	0.27	0.143	(0.224)	0.036	0.107
70	5.83	0.27	0.143	(0.223)	0.036	0.107
71	5.92	0.27	0.143	(0.222)	0.036	0.107
72	6.00	0.27	0.143	(0.221)	0.036	0.107
73	6.08	0.30	0.161	(0.220)	0.040	0.121
74	6.17	0.30	0.161	(0.219)	0.040	0.121
75	6.25	0.30	0.161	(0.218)	0.040	0.121
76	6.33	0.30	0.161	(0.217)	0.040	0.121
77	6.42	0.30	0.161	(0.216)	0.040	0.121
78	6.50	0.30	0.161	(0.215)	0.040	0.121
79	6.58	0.33	0.179	(0.214)	0.044	0.134
80	6.67	0.33	0.179	(0.213)	0.044	0.134
81	6.75	0.33	0.179	(0.212)	0.044	0.134
82	6.83	0.33	0.179	(0.211)	0.044	0.134
83	6.92	0.33	0.179	(0.210)	0.044	0.134
84	7.00	0.33	0.179	(0.209)	0.044	0.134
85	7.08	0.33	0.179	(0.208)	0.044	0.134
86	7.17	0.33	0.179	(0.207)	0.044	0.134
87	7.25	0.33	0.179	(0.206)	0.044	0.134
88	7.33	0.37	0.197	(0.206)	0.049	0.148
89	7.42	0.37	0.197	(0.205)	0.049	0.148
90	7.50	0.37	0.197	(0.204)	0.049	0.148
91	7.58	0.40	0.215	(0.203)	0.053	0.161
92	7.67	0.40	0.215	(0.202)	0.053	0.161
93	7.75	0.40	0.215	(0.201)	0.053	0.161
94	7.83	0.43	0.232	(0.200)	0.058	0.175
95	7.92	0.43	0.232	(0.199)	0.058	0.175
96	8.00	0.43	0.232	(0.198)	0.058	0.175
97	8.08	0.50	0.268	(0.197)	0.067	0.201
98	8.17	0.50	0.268	(0.196)	0.067	0.201
99	8.25	0.50	0.268	(0.195)	0.067	0.201
100	8.33	0.50	0.268	(0.194)	0.067	0.201
101	8.42	0.50	0.268	(0.193)	0.067	0.201
102	8.50	0.50	0.268	(0.193)	0.067	0.201
103	8.58	0.53	0.286	(0.192)	0.071	0.215
104	8.67	0.53	0.286	(0.191)	0.071	0.215

105	8.75	0.53	0.286	(0.190)	0.071	0.215
106	8.83	0.57	0.304	(0.189)	0.076	0.228
107	8.92	0.57	0.304	(0.188)	0.076	0.228
108	9.00	0.57	0.304	(0.187)	0.076	0.228
109	9.08	0.63	0.340	(0.186)	0.085	0.255
110	9.17	0.63	0.340	(0.185)	0.085	0.255
111	9.25	0.63	0.340	(0.185)	0.085	0.255
112	9.33	0.67	0.358	(0.184)	0.089	0.269
113	9.42	0.67	0.358	(0.183)	0.089	0.269
114	9.50	0.67	0.358	(0.182)	0.089	0.269
115	9.58	0.70	0.375	(0.181)	0.093	0.282
116	9.67	0.70	0.375	(0.180)	0.093	0.282
117	9.75	0.70	0.375	(0.179)	0.093	0.282
118	9.83	0.73	0.393	(0.178)	0.098	0.295
119	9.92	0.73	0.393	(0.178)	0.098	0.295
120	10.00	0.73	0.393	(0.177)	0.098	0.295
121	10.08	0.50	0.268	(0.176)	0.067	0.201
122	10.17	0.50	0.268	(0.175)	0.067	0.201
123	10.25	0.50	0.268	(0.174)	0.067	0.201
124	10.33	0.50	0.268	(0.173)	0.067	0.201
125	10.42	0.50	0.268	(0.172)	0.067	0.201
126	10.50	0.50	0.268	(0.172)	0.067	0.201
127	10.58	0.67	0.358	(0.171)	0.089	0.269
128	10.67	0.67	0.358	(0.170)	0.089	0.269
129	10.75	0.67	0.358	(0.169)	0.089	0.269
130	10.83	0.67	0.358	(0.168)	0.089	0.269
131	10.92	0.67	0.358	(0.167)	0.089	0.269
132	11.00	0.67	0.358	(0.167)	0.089	0.269
133	11.08	0.63	0.340	(0.166)	0.085	0.255
134	11.17	0.63	0.340	(0.165)	0.085	0.255
135	11.25	0.63	0.340	(0.164)	0.085	0.255
136	11.33	0.63	0.340	(0.163)	0.085	0.255
137	11.42	0.63	0.340	(0.163)	0.085	0.255
138	11.50	0.63	0.340	(0.162)	0.085	0.255
139	11.58	0.57	0.304	(0.161)	0.076	0.228
140	11.67	0.57	0.304	(0.160)	0.076	0.228
141	11.75	0.57	0.304	(0.159)	0.076	0.228
142	11.83	0.60	0.322	(0.159)	0.080	0.242
143	11.92	0.60	0.322	(0.158)	0.080	0.242
144	12.00	0.60	0.322	(0.157)	0.080	0.242
145	12.08	0.83	0.447	(0.156)	0.111	0.336
146	12.17	0.83	0.447	(0.155)	0.111	0.336
147	12.25	0.83	0.447	(0.155)	0.111	0.336
148	12.33	0.87	0.465	(0.154)	0.116	0.349
149	12.42	0.87	0.465	(0.153)	0.116	0.349
150	12.50	0.87	0.465	(0.152)	0.116	0.349
151	12.58	0.93	0.501	(0.152)	0.125	0.376
152	12.67	0.93	0.501	(0.151)	0.125	0.376
153	12.75	0.93	0.501	(0.150)	0.125	0.376
154	12.83	0.97	0.518	(0.149)	0.129	0.389
155	12.92	0.97	0.518	(0.149)	0.129	0.389
156	13.00	0.97	0.518	(0.148)	0.129	0.389
157	13.08	1.13	0.608	0.147	(0.151)	0.461
158	13.17	1.13	0.608	0.146	(0.151)	0.461
159	13.25	1.13	0.608	0.146	(0.151)	0.462
160	13.33	1.13	0.608	0.145	(0.151)	0.463
161	13.42	1.13	0.608	0.144	(0.151)	0.464
162	13.50	1.13	0.608	0.143	(0.151)	0.464
163	13.58	0.77	0.411	(0.143)	0.102	0.309
164	13.67	0.77	0.411	(0.142)	0.102	0.309
165	13.75	0.77	0.411	(0.141)	0.102	0.309
166	13.83	0.77	0.411	(0.140)	0.102	0.309
167	13.92	0.77	0.411	(0.140)	0.102	0.309
168	14.00	0.77	0.411	(0.139)	0.102	0.309
169	14.08	0.90	0.483	(0.138)	0.120	0.363
170	14.17	0.90	0.483	(0.138)	0.120	0.363
171	14.25	0.90	0.483	(0.137)	0.120	0.363

172	14.33	0.87	0.465	(0.136)	0.116	0.349
173	14.42	0.87	0.465	(0.136)	0.116	0.349
174	14.50	0.87	0.465	(0.135)	0.116	0.349
175	14.58	0.87	0.465	(0.134)	0.116	0.349
176	14.67	0.87	0.465	(0.133)	0.116	0.349
177	14.75	0.87	0.465	(0.133)	0.116	0.349
178	14.83	0.83	0.447	(0.132)	0.111	0.336
179	14.92	0.83	0.447	(0.131)	0.111	0.336
180	15.00	0.83	0.447	(0.131)	0.111	0.336
181	15.08	0.80	0.429	(0.130)	0.107	0.322
182	15.17	0.80	0.429	(0.129)	0.107	0.322
183	15.25	0.80	0.429	(0.129)	0.107	0.322
184	15.33	0.77	0.411	(0.128)	0.102	0.309
185	15.42	0.77	0.411	(0.127)	0.102	0.309
186	15.50	0.77	0.411	(0.127)	0.102	0.309
187	15.58	0.63	0.340	(0.126)	0.085	0.255
188	15.67	0.63	0.340	(0.125)	0.085	0.255
189	15.75	0.63	0.340	(0.125)	0.085	0.255
190	15.83	0.63	0.340	(0.124)	0.085	0.255
191	15.92	0.63	0.340	(0.124)	0.085	0.255
192	16.00	0.63	0.340	(0.123)	0.085	0.255
193	16.08	0.13	0.072	(0.122)	0.018	0.054
194	16.17	0.13	0.072	(0.122)	0.018	0.054
195	16.25	0.13	0.072	(0.121)	0.018	0.054
196	16.33	0.13	0.072	(0.120)	0.018	0.054
197	16.42	0.13	0.072	(0.120)	0.018	0.054
198	16.50	0.13	0.072	(0.119)	0.018	0.054
199	16.58	0.10	0.054	(0.119)	0.013	0.040
200	16.67	0.10	0.054	(0.118)	0.013	0.040
201	16.75	0.10	0.054	(0.117)	0.013	0.040
202	16.83	0.10	0.054	(0.117)	0.013	0.040
203	16.92	0.10	0.054	(0.116)	0.013	0.040
204	17.00	0.10	0.054	(0.116)	0.013	0.040
205	17.08	0.17	0.089	(0.115)	0.022	0.067
206	17.17	0.17	0.089	(0.114)	0.022	0.067
207	17.25	0.17	0.089	(0.114)	0.022	0.067
208	17.33	0.17	0.089	(0.113)	0.022	0.067
209	17.42	0.17	0.089	(0.113)	0.022	0.067
210	17.50	0.17	0.089	(0.112)	0.022	0.067
211	17.58	0.17	0.089	(0.112)	0.022	0.067
212	17.67	0.17	0.089	(0.111)	0.022	0.067
213	17.75	0.17	0.089	(0.110)	0.022	0.067
214	17.83	0.13	0.072	(0.110)	0.018	0.054
215	17.92	0.13	0.072	(0.109)	0.018	0.054
216	18.00	0.13	0.072	(0.109)	0.018	0.054
217	18.08	0.13	0.072	(0.108)	0.018	0.054
218	18.17	0.13	0.072	(0.108)	0.018	0.054
219	18.25	0.13	0.072	(0.107)	0.018	0.054
220	18.33	0.13	0.072	(0.107)	0.018	0.054
221	18.42	0.13	0.072	(0.106)	0.018	0.054
222	18.50	0.13	0.072	(0.106)	0.018	0.054
223	18.58	0.10	0.054	(0.105)	0.013	0.040
224	18.67	0.10	0.054	(0.105)	0.013	0.040
225	18.75	0.10	0.054	(0.104)	0.013	0.040
226	18.83	0.07	0.036	(0.104)	0.009	0.027
227	18.92	0.07	0.036	(0.103)	0.009	0.027
228	19.00	0.07	0.036	(0.103)	0.009	0.027
229	19.08	0.10	0.054	(0.102)	0.013	0.040
230	19.17	0.10	0.054	(0.102)	0.013	0.040
231	19.25	0.10	0.054	(0.101)	0.013	0.040
232	19.33	0.13	0.072	(0.101)	0.018	0.054
233	19.42	0.13	0.072	(0.100)	0.018	0.054
234	19.50	0.13	0.072	(0.100)	0.018	0.054
235	19.58	0.10	0.054	(0.099)	0.013	0.040
236	19.67	0.10	0.054	(0.099)	0.013	0.040
237	19.75	0.10	0.054	(0.099)	0.013	0.040
238	19.83	0.07	0.036	(0.098)	0.009	0.027

239	19.92	0.07	0.036	(0.098)	0.009	0.027
240	20.00	0.07	0.036	(0.097)	0.009	0.027
241	20.08	0.10	0.054	(0.097)	0.013	0.040
242	20.17	0.10	0.054	(0.096)	0.013	0.040
243	20.25	0.10	0.054	(0.096)	0.013	0.040
244	20.33	0.10	0.054	(0.095)	0.013	0.040
245	20.42	0.10	0.054	(0.095)	0.013	0.040
246	20.50	0.10	0.054	(0.095)	0.013	0.040
247	20.58	0.10	0.054	(0.094)	0.013	0.040
248	20.67	0.10	0.054	(0.094)	0.013	0.040
249	20.75	0.10	0.054	(0.094)	0.013	0.040
250	20.83	0.07	0.036	(0.093)	0.009	0.027
251	20.92	0.07	0.036	(0.093)	0.009	0.027
252	21.00	0.07	0.036	(0.092)	0.009	0.027
253	21.08	0.10	0.054	(0.092)	0.013	0.040
254	21.17	0.10	0.054	(0.092)	0.013	0.040
255	21.25	0.10	0.054	(0.091)	0.013	0.040
256	21.33	0.07	0.036	(0.091)	0.009	0.027
257	21.42	0.07	0.036	(0.091)	0.009	0.027
258	21.50	0.07	0.036	(0.090)	0.009	0.027
259	21.58	0.10	0.054	(0.090)	0.013	0.040
260	21.67	0.10	0.054	(0.090)	0.013	0.040
261	21.75	0.10	0.054	(0.089)	0.013	0.040
262	21.83	0.07	0.036	(0.089)	0.009	0.027
263	21.92	0.07	0.036	(0.089)	0.009	0.027
264	22.00	0.07	0.036	(0.088)	0.009	0.027
265	22.08	0.10	0.054	(0.088)	0.013	0.040
266	22.17	0.10	0.054	(0.088)	0.013	0.040
267	22.25	0.10	0.054	(0.088)	0.013	0.040
268	22.33	0.07	0.036	(0.087)	0.009	0.027
269	22.42	0.07	0.036	(0.087)	0.009	0.027
270	22.50	0.07	0.036	(0.087)	0.009	0.027
271	22.58	0.07	0.036	(0.086)	0.009	0.027
272	22.67	0.07	0.036	(0.086)	0.009	0.027
273	22.75	0.07	0.036	(0.086)	0.009	0.027
274	22.83	0.07	0.036	(0.086)	0.009	0.027
275	22.92	0.07	0.036	(0.086)	0.009	0.027
276	23.00	0.07	0.036	(0.085)	0.009	0.027
277	23.08	0.07	0.036	(0.085)	0.009	0.027
278	23.17	0.07	0.036	(0.085)	0.009	0.027
279	23.25	0.07	0.036	(0.085)	0.009	0.027
280	23.33	0.07	0.036	(0.085)	0.009	0.027
281	23.42	0.07	0.036	(0.084)	0.009	0.027
282	23.50	0.07	0.036	(0.084)	0.009	0.027
283	23.58	0.07	0.036	(0.084)	0.009	0.027
284	23.67	0.07	0.036	(0.084)	0.009	0.027
285	23.75	0.07	0.036	(0.084)	0.009	0.027
286	23.83	0.07	0.036	(0.084)	0.009	0.027
287	23.92	0.07	0.036	(0.084)	0.009	0.027
288	24.00	0.07	0.036	(0.084)	0.009	0.027

(Loss Rate Not Used)

Sum = 100.0 Sum = 40.3

Flood volume = Effective rainfall 3.36(In)
times area 22.4(Ac.)/[(In)/(Ft.)] = 6.3(Ac.Ft)
Total soil loss = 1.11(In)
Total soil loss = 2.073(Ac.Ft)
Total rainfall = 4.47(In)
Flood volume = 273575.5 Cubic Feet
Total soil loss = 90283.0 Cubic Feet

Peak flow rate of this hydrograph = 10.492(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0019	0.28	Q				
0+10	0.0056	0.54	VQ				
0+15	0.0097	0.59	VQ				
0+20	0.0148	0.75	VQ				
0+25	0.0209	0.88	VQ				
0+30	0.0271	0.90	VQ				
0+35	0.0333	0.91	VQ				
0+40	0.0396	0.91	VQ				
0+45	0.0459	0.91	VQ				
0+50	0.0531	1.05	V Q				
0+55	0.0613	1.18	V Q				
1+ 0	0.0695	1.20	V Q				
1+ 5	0.0769	1.07	V Q				
1+10	0.0835	0.95	VQ				
1+15	0.0898	0.92	VQ				
1+20	0.0961	0.91	VQ				
1+25	0.1024	0.91	VQ				
1+30	0.1086	0.91	VQ				
1+35	0.1149	0.91	VQ				
1+40	0.1212	0.91	VQ				
1+45	0.1275	0.91	VQ				
1+50	0.1347	1.05	V Q				
1+55	0.1428	1.18	V Q				
2+ 0	0.1511	1.20	V Q				
2+ 5	0.1595	1.21	|VQ				
2+10	0.1679	1.21	|VQ				
2+15	0.1762	1.21	|VQ				
2+20	0.1846	1.21	|VQ				
2+25	0.1930	1.21	|VQ				
2+30	0.2013	1.21	|VQ				
2+35	0.2107	1.36	|VQ				
2+40	0.2209	1.48	|VQ				
2+45	0.2313	1.51	|V Q				
2+50	0.2417	1.52	|V Q				
2+55	0.2522	1.52	|V Q				
3+ 0	0.2626	1.52	|V Q				
3+ 5	0.2731	1.52	|V Q				
3+10	0.2835	1.52	|V Q				
3+15	0.2940	1.52	|V Q				
3+20	0.3045	1.52	|V Q				
3+25	0.3149	1.52	| VQ				
3+30	0.3254	1.52	| VQ				
3+35	0.3358	1.52	| VQ				
3+40	0.3463	1.52	| VQ				
3+45	0.3568	1.52	| VQ				
3+50	0.3682	1.66	| VQ				
3+55	0.3805	1.79	| VQ				
4+ 0	0.3930	1.81	| VQ				
4+ 5	0.4055	1.82	| VQ				
4+10	0.4181	1.82	| VQ				
4+15	0.4306	1.82	| VQ				
4+20	0.4441	1.96	| VQ				
4+25	0.4585	2.09	| V Q				
4+30	0.4731	2.12	| VQ				
4+35	0.4877	2.13	| VQ				
4+40	0.5024	2.13	| VQ				
4+45	0.5170	2.13	| VQ				
4+50	0.5326	2.27	| VQ				
4+55	0.5491	2.39	| VQ				
5+ 0	0.5658	2.42	| VQ				
5+ 5	0.5806	2.15	| VQ				
5+10	0.5936	1.89	| Q				
5+15	0.6063	1.84	| Q				

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 5+20       0.6198      1.96  |  Q       |          |          |          |
 5+25       0.6342      2.09  |   Q      |          |          |          |
 5+30       0.6488      2.12  |   Q      |          |          |          |
 5+35       0.6644      2.27  |   Q      |          |          |          |
 5+40       0.6809      2.39  |   Q      |          |          |          |
 5+45       0.6976      2.42  |   Q      |          |          |          |
 5+50       0.7143      2.43  |   Q      |          |          |          |
 5+55       0.7310      2.43  |   Q      |          |          |          |
 6+ 0       0.7478      2.43  |   Q      |          |          |          |
 6+ 5       0.7655      2.57  |   VQ     |          |          |          |
 6+10       0.7840      2.70  |   VQ     |          |          |          |
 6+15       0.8028      2.72  |    Q     |          |          |          |
 6+20       0.8216      2.73  |    Q     |          |          |          |
 6+25       0.8404      2.73  |    Q     |          |          |          |
 6+30       0.8593      2.73  |    Q     |          |          |          |
 6+35       0.8791      2.87  |    Q     |          |          |          |
 6+40       0.8997      3.00  |    VQ    |          |          |          |
 6+45       0.9206      3.03  |    VQ    |          |          |          |
 6+50       0.9415      3.04  |    VQ    |          |          |          |
 6+55       0.9624      3.04  |     Q    |          |          |          |
 7+ 0       0.9833      3.04  |     Q    |          |          |          |
 7+ 5       1.0042      3.04  |     Q    |          |          |          |
 7+10       1.0252      3.04  |     Q    |          |          |          |
 7+15       1.0461      3.04  |     Q    |          |          |          |
 7+20       1.0680      3.18  |     Q    |          |          |          |
 7+25       1.0907      3.31  |     Q    |          |          |          |
 7+30       1.1137      3.33  |     QV   |          |          |          |
 7+35       1.1376      3.48  |     QV   |          |          |          |
 7+40       1.1625      3.61  |      Q   |          |          |          |
 7+45       1.1875      3.63  |      Q   |          |          |          |
 7+50       1.2136      3.78  |      Q   |          |          |          |
 7+55       1.2405      3.91  |      Q   |          |          |          |
 8+ 0       1.2676      3.94  |      QV  |          |          |          |
 8+ 5       1.2968      4.23  |       Q  |          |          |          |
 8+10       1.3277      4.49  |       Q  |          |          |          |
 8+15       1.3589      4.53  |       VQ |          |          |          |
 8+20       1.3903      4.56  |       VQ |          |          |          |
 8+25       1.4216      4.56  |        Q |          |          |          |
 8+30       1.4530      4.56  |        Q |          |          |          |
 8+35       1.4854      4.70  |        Q |          |          |          |
 8+40       1.5186      4.82  |        Q |          |          |          |
 8+45       1.5520      4.85  |        Q |          |          |          |
 8+50       1.5864      5.00  |        QV          |          |          |
 8+55       1.6217      5.13  |         Q          |          |          |
 9+ 0       1.6572      5.15  |         Q          |          |          |
 9+ 5       1.6947      5.44  |         Q          |          |          |
 9+10       1.7340      5.70  |         |Q         |          |          |
 9+15       1.7736      5.75  |         |Q         |          |          |
 9+20       1.8143      5.91  |         |Q         |          |          |
 9+25       1.8559      6.04  |         |VQ        |          |          |
 9+30       1.8976      6.06  |         | Q        |          |          |
 9+35       1.9404      6.21  |         | Q        |          |          |
 9+40       1.9841      6.34  |         | Q        |          |          |
 9+45       2.0279      6.37  |         | Q        |          |          |
 9+50       2.0728      6.52  |         |  Q       |          |          |
 9+55       2.1186      6.65  |         |  Q       |          |          |
10+ 0       2.1646      6.67  |         |  Q       |          |          |
10+ 5       2.2038      5.70  |         |Q  V      |          |          |
10+10       2.2369      4.80  |        Q|   V      |          |          |
10+15       2.2687      4.63  |        Q|   V      |          |          |
10+20       2.3001      4.56  |        Q|   V      |          |          |
10+25       2.3315      4.56  |        Q|   V      |          |          |
10+30       2.3629      4.56  |        Q|    V     |          |          |
10+35       2.3991      5.26  |         Q    V     |          |          |
10+40       2.4397      5.90  |         |Q   V     |          |          |
10+45       2.4812      6.02  |         | Q  V     |          |          |
10+50       2.5230      6.07  |         | Q   V    |          |          |
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10+55       2.5648      6.07  |          | Q   V   |          |          |
11+ 0       2.6067      6.07  |          | Q   V   |          |          |
11+ 5       2.6475      5.93  |          |Q    V   |          |          |
11+10       2.6875      5.81  |          |Q     V  |          |          |
11+15       2.7273      5.78  |          |Q     V  |          |          |
11+20       2.7671      5.77  |          |Q     V  |          |          |
11+25       2.8068      5.77  |          |Q     V  |          |          |
11+30       2.8465      5.77  |          |Q      V |          |          |
11+35       2.8844      5.49  |         Q       V |          |          |
11+40       2.9204      5.23  |         Q       V |          |          |
11+45       2.9561      5.18  |         Q       V |          |          |
11+50       2.9926      5.30  |         Q        V|          |          |
11+55       3.0300      5.43  |         Q        V|          |          |
12+ 0       3.0676      5.46  |         Q        V|          |          |
12+ 5       3.1120      6.45  |          | Q      V|          |          |
12+10       3.1626      7.35  |          |   Q     V          |          |
12+15       3.2144      7.52  |          |    Q    V          |          |
12+20       3.2677      7.73  |          |    Q    V          |          |
12+25       3.3218      7.86  |          |    Q    |V         |          |
12+30       3.3761      7.89  |          |    Q    |V         |          |
12+35       3.4324      8.18  |          |     Q   |V         |          |
12+40       3.4905      8.43  |          |     Q   | V        |          |
12+45       3.5489      8.48  |          |     Q   | V        |          |
12+50       3.6085      8.64  |          |      Q  | V        |          |
12+55       3.6689      8.77  |          |      Q  |  V       |          |
13+ 0       3.7295      8.80  |          |      Q  |  V       |          |
13+ 5       3.7953      9.55  |          |        Q|   V      |          |
13+10       3.8658     10.24  |          |         Q   V      |          |
13+15       3.9373     10.39  |          |         Q    V     |          |
13+20       4.0094     10.46  |          |         Q    V     |          |
13+25       4.0815     10.48  |          |         Q    V     |          |
13+30       4.1538     10.49  |          |         Q     V    |          |
13+35       4.2149      8.87  |          |       Q |     V    |          |
13+40       4.2658      7.39  |          |   Q     |      V   |          |
13+45       4.3147      7.11  |          |   Q     |      V   |          |
13+50       4.3628      6.99  |          |  Q      |      V   |          |
13+55       4.4109      6.99  |          |  Q      |       V  |          |
14+ 0       4.4590      6.99  |          |  Q      |       V  |          |
14+ 5       4.5110      7.55  |          |    Q    |       V  |          |
14+10       4.5665      8.06  |          |     Q   |        V |          |
14+15       4.6227      8.16  |          |     Q   |        V |          |
14+20       4.6782      8.06  |          |     Q   |        V |          |
14+25       4.7328      7.93  |          |    Q    |         V          |
14+30       4.7873      7.91  |          |    Q    |         V          |
14+35       4.8417      7.90  |          |    Q    |         V          |
14+40       4.8961      7.90  |          |    Q    |         |V         |
14+45       4.9504      7.90  |          |    Q    |         |V         |
14+50       5.0039      7.76  |          |    Q    |         |V         |
14+55       5.0564      7.63  |          |    Q    |         | V        |
15+ 0       5.1087      7.60  |          |    Q    |         | V        |
15+ 5       5.1601      7.45  |          |   Q     |         | V        |
15+10       5.2105      7.32  |          |   Q     |         |  V       |
15+15       5.2608      7.30  |          |   Q     |         |  V       |
15+20       5.3100      7.15  |          |   Q     |         |  V       |
15+25       5.3584      7.02  |          |   Q     |         |   V      |
15+30       5.4065      7.00  |          |  Q      |         |   V      |
15+35       5.4508      6.42  |          | Q       |         |   V      |
15+40       5.4915      5.91  |          |Q        |         |   V      |
15+45       5.5315      5.81  |          |Q        |         |    V     |
15+50       5.5713      5.77  |          |Q        |         |    V     |
15+55       5.6110      5.77  |          |Q        |         |    V     |
16+ 0       5.6507      5.77  |          |Q        |         |    V     |
16+ 5       5.6760      3.66  |       Q  |         |         |     V    |
16+10       5.6880      1.74  |  Q       |         |         |     V    |
16+15       5.6974      1.37  | Q        |         |         |     V    |
16+20       5.7058      1.21  | Q        |         |         |     V    |
16+25       5.7141      1.21  | Q        |         |         |     V    |
```

```
16+30       5.7225      1.21  | Q       |         |         |     V   |
16+35       5.7299      1.07  | Q       |         |         |     V   |
16+40       5.7364      0.95  |Q        |         |         |     V   |
16+45       5.7428      0.92  |Q        |         |         |     V   |
16+50       5.7490      0.91  |Q        |         |         |     V   |
16+55       5.7553      0.91  |Q        |         |         |     V   |
17+ 0       5.7616      0.91  |Q        |         |         |     V   |
17+ 5       5.7698      1.19  | Q       |         |         |     V   |
17+10       5.7798      1.45  | Q       |         |         |     V   |
17+15       5.7901      1.50  | Q       |         |         |     V   |
17+20       5.8005      1.52  |  Q      |         |         |     V   |
17+25       5.8110      1.52  |  Q      |         |         |      V  |
17+30       5.8215      1.52  |  Q      |         |         |      V  |
17+35       5.8319      1.52  |  Q      |         |         |      V  |
17+40       5.8424      1.52  |  Q      |         |         |      V  |
17+45       5.8528      1.52  |  Q      |         |         |      V  |
17+50       5.8623      1.38  | Q       |         |         |      V  |
17+55       5.8709      1.25  | Q       |         |         |      V  |
18+ 0       5.8794      1.23  | Q       |         |         |      V  |
18+ 5       5.8877      1.21  | Q       |         |         |      V  |
18+10       5.8961      1.21  | Q       |         |         |      V  |
18+15       5.9045      1.21  | Q       |         |         |      V  |
18+20       5.9128      1.21  | Q       |         |         |      V  |
18+25       5.9212      1.21  | Q       |         |         |      V  |
18+30       5.9296      1.21  | Q       |         |         |      V  |
18+35       5.9370      1.07  | Q       |         |         |      V  |
18+40       5.9435      0.95  |Q        |         |         |      V  |
18+45       5.9498      0.92  |Q        |         |         |      V  |
18+50       5.9551      0.77  |Q        |         |         |      V  |
18+55       5.9596      0.64  |Q        |         |         |      V  |
19+ 0       5.9638      0.62  |Q        |         |         |      V  |
19+ 5       5.9690      0.75  |Q        |         |         |       V |
19+10       5.9750      0.88  |Q        |         |         |       V |
19+15       5.9812      0.90  |Q        |         |         |       V |
19+20       5.9884      1.05  | Q       |         |         |       V |
19+25       5.9966      1.18  | Q       |         |         |       V |
19+30       6.0049      1.20  | Q       |         |         |       V |
19+35       6.0123      1.07  | Q       |         |         |       V |
19+40       6.0188      0.95  |Q        |         |         |       V |
19+45       6.0251      0.92  |Q        |         |         |       V |
19+50       6.0304      0.77  |Q        |         |         |       V |
19+55       6.0349      0.64  |Q        |         |         |       V |
20+ 0       6.0391      0.62  |Q        |         |         |       V |
20+ 5       6.0443      0.75  |Q        |         |         |       V |
20+10       6.0503      0.88  |Q        |         |         |       V |
20+15       6.0565      0.90  |Q        |         |         |       V |
20+20       6.0628      0.91  |Q        |         |         |       V |
20+25       6.0690      0.91  |Q        |         |         |       V |
20+30       6.0753      0.91  |Q        |         |         |       V |
20+35       6.0816      0.91  |Q        |         |         |       V |
20+40       6.0879      0.91  |Q        |         |         |       V |
20+45       6.0941      0.91  |Q        |         |         |       V |
20+50       6.0995      0.77  |Q        |         |         |       V |
20+55       6.1039      0.64  |Q        |         |         |       V |
21+ 0       6.1081      0.62  |Q        |         |         |       V |
21+ 5       6.1133      0.75  |Q        |         |         |       V |
21+10       6.1193      0.88  |Q        |         |         |       V |
21+15       6.1255      0.90  |Q        |         |         |        V|
21+20       6.1308      0.77  |Q        |         |         |        V|
21+25       6.1353      0.64  |Q        |         |         |        V|
21+30       6.1395      0.62  |Q        |         |         |        V|
21+35       6.1447      0.75  |Q        |         |         |        V|
21+40       6.1507      0.88  |Q        |         |         |        V|
21+45       6.1569      0.90  |Q        |         |         |        V|
21+50       6.1622      0.77  |Q        |         |         |        V|
21+55       6.1666      0.64  |Q        |         |         |        V|
22+ 0       6.1709      0.62  |Q        |         |         |        V|
```

```
  22+ 5       6.1760      0.75  |Q        |         |         |        V|
  22+10       6.1821      0.88  |Q        |         |         |        V|
  22+15       6.1883      0.90  |Q        |         |         |        V|
  22+20       6.1936      0.77  |Q        |         |         |        V|
  22+25       6.1980      0.64  |Q        |         |         |        V|
  22+30       6.2023      0.62  |Q        |         |         |        V|
  22+35       6.2064      0.61  |Q        |         |         |        V|
  22+40       6.2106      0.61  |Q        |         |         |        V|
  22+45       6.2148      0.61  |Q        |         |         |        V|
  22+50       6.2190      0.61  |Q        |         |         |        V|
  22+55       6.2232      0.61  |Q        |         |         |        V|
  23+ 0       6.2274      0.61  |Q        |         |         |        V|
  23+ 5       6.2315      0.61  |Q        |         |         |        V|
  23+10       6.2357      0.61  |Q        |         |         |        V|
  23+15       6.2399      0.61  |Q        |         |         |        V|
  23+20       6.2441      0.61  |Q        |         |         |        V|
  23+25       6.2483      0.61  |Q        |         |         |        V|
  23+30       6.2525      0.61  |Q        |         |         |        V|
  23+35       6.2566      0.61  |Q        |         |         |        V|
  23+40       6.2608      0.61  |Q        |         |         |        V|
  23+45       6.2650      0.61  |Q        |         |         |        V|
  23+50       6.2692      0.61  |Q        |         |         |        V|
  23+55       6.2734      0.61  |Q        |         |         |        V|
  24+ 0       6.2776      0.61  |Q        |         |         |        V|
  24+ 5       6.2798      0.33  Q         |         |         |        V|
  24+10       6.2803      0.07  Q         |         |         |        V|
  24+15       6.2804      0.02  Q         |         |         |         V
--------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/19/21 File: RVPRG1100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN G- PROPOSED UNIT HYDROGRAPH
100YR-1HR

Drainage Area = 22.43(Ac.) = 0.035 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 22.43(Ac.) = 0.035 Sq. Mi.
Length along longest watercourse = 1605.00(Ft.)
Length along longest watercourse measured to centroid = 637.00(Ft.)
Length along longest watercourse = 0.304 Mi.
Length along longest watercourse measured to centroid = 0.121 Mi.
Difference in elevation = 54.00(Ft.)
Slope along watercourse = 177.6449 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.038 Hr.
Lag time = 2.30 Min.
25% of lag time = 0.57 Min.
40% of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	0.55	12.34

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	1.30	29.16

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 1.300(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 1.300(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
22.430	64.50	0.814

Total Area Entered = 22.43(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
      AMC2 AMC-3     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
      64.5  81.6      0.226     0.814        0.060       1.000      0.060
                                                          Sum (F) =   0.060
      Area averaged mean soil loss (F) (In/Hr) =  0.167
      Minimum soil loss rate ((In/Hr)) =  0.084
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.249
      ------------------------------------------------------------------
      Slope of intensity-duration curve for a 1 hour storm =0.5500
      ------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------
          1   0.083        217.510         46.271             10.460
          2   0.167        435.020         42.164              9.531
          3   0.250        652.530          8.127              1.837
          4   0.333        870.041          3.438              0.777
                                  Sum = 100.000   Sum=       22.605
-----------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
   1   0.08     3.30      0.515       (  0.167)       0.128        0.387
   2   0.17     4.20      0.655       (  0.167)       0.163        0.492
   3   0.25     4.40      0.686          0.167    (  0.171)        0.519
   4   0.33     4.80      0.749          0.167    (  0.186)        0.581
   5   0.42     5.20      0.811          0.167    (  0.202)        0.644
   6   0.50     6.20      0.967          0.167    (  0.241)        0.800
   7   0.58     6.80      1.061          0.167    (  0.264)        0.893
   8   0.67     8.80      1.373          0.167    (  0.341)        1.205
   9   0.75    13.90      2.168          0.167    (  0.539)        2.001
  10   0.83    31.40      4.897          0.167    (  1.218)        4.730
  11   0.92     7.20      1.123          0.167    (  0.279)        0.956
  12   1.00     3.80      0.593       (  0.167)       0.147        0.445
             (Loss Rate Not Used)
     Sum =     100.0                                  Sum =    13.7
       Flood volume = Effective rainfall      1.14(In)
        times area      22.4(Ac.)/[(In)/(Ft.)] =       2.1(Ac.Ft)
       Total soil loss =      0.16(In)
       Total soil loss =     0.303(Ac.Ft)
       Total rainfall =      1.30(In)
       Flood volume =       92630.1 Cubic Feet
       Total soil loss =       13195.5 Cubic Feet
       ------------------------------------------------------------------
        Peak flow rate of this hydrograph =     71.488(CFS)
       ------------------------------------------------------------------
       ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         1 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
       ------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

       ------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       20.0      40.0      60.0      80.0
  ------------------------------------------------------------------------
    0+ 5       0.0279      4.05  V Q       |         |         |         |
```

```
    0+10       0.0887      8.84  |V  Q     |          |          |          |
    0+15       0.1633     10.83  |  V Q    |          |          |          |
    0+20       0.2476     12.24  |   V Q   |          |          |          |
    0+25       0.3414     13.62  |     Q   |          |          |          |
    0+30       0.4514     15.98  |      QV |          |          |          |
    0+35       0.5796     18.61  |        QV          |          |          |
    0+40       0.7387     23.10  |          |Q V      |          |          |
    0+45       0.9776     34.69  |          |      QV |          |          |
    0+50       1.4699     71.49  |          |         |      V   |    Q     |
    0+55       1.8813     59.72  |          |         |        Q |    V     |
    1+ 0       2.0467     24.02  |          | Q       |          |       V  |
    1+ 5       2.1134      9.68  |   Q      |         |          |        V |
    1+10       2.1241      1.56  Q          |         |          |        V |
    1+15       2.1265      0.35  Q          |         |          |         V
----------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/19/21 File: RVPRG3100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN G- PROPOSED UNIT HYDROGRAPH
100YR-3HR

Drainage Area = 22.43(Ac.) = 0.035 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 22.43(Ac.) = 0.035 Sq. Mi.
Length along longest watercourse = 1605.00(Ft.)
Length along longest watercourse measured to centroid = 637.00(Ft.)
Length along longest watercourse = 0.304 Mi.
Length along longest watercourse measured to centroid = 0.121 Mi.
Difference in elevation = 54.00(Ft.)
Slope along watercourse = 177.6449 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.038 Hr.
Lag time = 2.30 Min.
25% of lag time = 0.57 Min.
40% of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	1.10	24.67

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	2.00	44.86

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 2.000(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
22.430	64.50	0.814

Total Area Entered = 22.43(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      64.5  81.6      0.226     0.814        0.060       1.000      0.060
                                                          Sum (F) =   0.060
      Area averaged mean soil loss (F) (In/Hr) =  0.167
      Minimum soil loss rate ((In/Hr)) =  0.084
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.249
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        217.510         46.271             10.460
          2   0.167        435.020         42.164              9.531
          3   0.250        652.530          8.127              1.837
          4   0.333        870.041          3.438              0.777
                                   Sum = 100.000   Sum=      22.605
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)          Max   |   Low         (In/Hr)
    1   0.08     1.30      0.312       (  0.167)       0.078        0.234
    2   0.17     1.30      0.312       (  0.167)       0.078        0.234
    3   0.25     1.10      0.264       (  0.167)       0.066        0.198
    4   0.33     1.50      0.360       (  0.167)       0.090        0.270
    5   0.42     1.50      0.360       (  0.167)       0.090        0.270
    6   0.50     1.80      0.432       (  0.167)       0.107        0.324
    7   0.58     1.50      0.360       (  0.167)       0.090        0.270
    8   0.67     1.80      0.432       (  0.167)       0.107        0.324
    9   0.75     1.80      0.432       (  0.167)       0.107        0.324
   10   0.83     1.50      0.360       (  0.167)       0.090        0.270
   11   0.92     1.60      0.384       (  0.167)       0.096        0.288
   12   1.00     1.80      0.432       (  0.167)       0.107        0.324
   13   1.08     2.20      0.528       (  0.167)       0.131        0.397
   14   1.17     2.20      0.528       (  0.167)       0.131        0.397
   15   1.25     2.20      0.528       (  0.167)       0.131        0.397
   16   1.33     2.00      0.480       (  0.167)       0.119        0.361
   17   1.42     2.60      0.624       (  0.167)       0.155        0.469
   18   1.50     2.70      0.648       (  0.167)       0.161        0.487
   19   1.58     2.40      0.576       (  0.167)       0.143        0.433
   20   1.67     2.70      0.648       (  0.167)       0.161        0.487
   21   1.75     3.30      0.792          0.167    (  0.197)       0.625
   22   1.83     3.10      0.744          0.167    (  0.185)       0.577
   23   1.92     2.90      0.696          0.167    (  0.173)       0.529
   24   2.00     3.00      0.720          0.167    (  0.179)       0.553
   25   2.08     3.10      0.744          0.167    (  0.185)       0.577
   26   2.17     4.20      1.008          0.167    (  0.251)       0.841
   27   2.25     5.00      1.200          0.167    (  0.299)       1.033
   28   2.33     3.50      0.840          0.167    (  0.209)       0.673
   29   2.42     6.80      1.632          0.167    (  0.406)       1.464
   30   2.50     7.30      1.752          0.167    (  0.436)       1.584
   31   2.58     8.20      1.968          0.167    (  0.490)       1.800
   32   2.67     5.90      1.416          0.167    (  0.352)       1.248
   33   2.75     2.00      0.480       (  0.167)       0.119        0.361
   34   2.83     1.80      0.432       (  0.167)       0.107        0.324
   35   2.92     1.80      0.432       (  0.167)       0.107        0.324
   36   3.00     0.60      0.144       (  0.167)       0.036        0.108
             (Loss Rate Not Used)
```

```
    Sum =     100.0                                    Sum =    19.4
      Flood volume = Effective rainfall      1.62(In)
       times area      22.4(Ac.)/[(In)/(Ft.)] =       3.0(Ac.Ft)
      Total soil loss =      0.38(In)
      Total soil loss =     0.719(Ac.Ft)
      Total rainfall =      2.00(In)
      Flood volume =      131495.4 Cubic Feet
      Total soil loss =       31330.4 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =     37.166(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          3 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       10.0      20.0      30.0      40.0
  ----------------------------------------------------------------------
    0+ 5       0.0169      2.45  V Q       |         |         |         |
    0+10       0.0492      4.69  V   Q     |         |         |         |
    0+15       0.0818      4.74  |V  Q     |         |         |         |
    0+20       0.1186      5.33  |V   Q    |         |         |         |
    0+25       0.1596      5.96  | V  Q    |         |         |         |
    0+30       0.2052      6.63  | V   Q   |         |         |         |
    0+35       0.2509      6.63  |  V  Q   |         |         |         |
    0+40       0.2976      6.78  |  V  Q   |         |         |         |
    0+45       0.3474      7.24  |   V  Q  |         |         |         |
    0+50       0.3938      6.73  |    VQ   |         |         |         |
    0+55       0.4382      6.45  |    VQ   |         |         |         |
    1+ 0       0.4857      6.90  |     Q   |         |         |         |
    1+ 5       0.5407      7.99  |      Q  |         |         |         |
    1+10       0.6010      8.75  |      VQ |         |         |         |
    1+15       0.6623      8.91  |       Q |         |         |         |
    1+20       0.7215      8.59  |       QV|         |         |         |
    1+25       0.7861      9.38  |        QV         |         |         |
    1+30       0.8587     10.53  |         QV        |         |         |
    1+35       0.9297     10.31  |         Q V       |         |         |
    1+40       1.0019     10.48  |         Q  V      |         |         |
    1+45       1.0869     12.35  |         | Q V     |         |         |
    1+50       1.1780     13.22  |         |  Q V    |         |         |
    1+55       1.2644     12.56  |         | Q   V   |         |         |
    2+ 0       1.3496     12.37  |         | Q    V  |         |         |
    2+ 5       1.4372     12.72  |         | Q      V|         |         |
    2+10       1.5455     15.72  |         |    Q    V         |         |
    2+15       1.6854     20.31  |         |         Q V       |         |
    2+20       1.8154     18.88  |         |       Q |   V     |         |
    2+25       1.9827     24.29  |         |         |   Q V   |         |
    2+30       2.2071     32.59  |         |         |        V| Q       |
    2+35       2.4631     37.17  |         |         |         | V    Q  |
    2+40       2.6992     34.29  |         |         |         |   QV    |
    2+45       2.8385     20.22  |         |         Q         |      V  |
    2+50       2.9110     10.53  |         Q         |         |       V |
    2+55       2.9669      8.12  |       Q |         |         |        V|
    3+ 0       3.0021      5.10  |    Q    |         |         |        V|
    3+ 5       3.0150      1.88  |Q        |         |         |        V|
    3+10       3.0181      0.45  Q         |         |         |        V|
    3+15       3.0187      0.08  Q         |         |         |         V
  ----------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/19/21 File: RVPRG6100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN G- PROPOSED UNIT HYDROGRAPH
100YR-6HR

Drainage Area = 22.43(Ac.) = 0.035 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 22.43(Ac.) = 0.035 Sq. Mi.
Length along longest watercourse = 1605.00(Ft.)
Length along longest watercourse measured to centroid = 637.00(Ft.)
Length along longest watercourse = 0.304 Mi.
Length along longest watercourse measured to centroid = 0.121 Mi.
Difference in elevation = 54.00(Ft.)
Slope along watercourse = 177.6449 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.038 Hr.
Lag time = 2.30 Min.
25% of lag time = 0.57 Min.
40% of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	1.60	35.89

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	3.00	67.29

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 3.000(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 3.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
22.430	64.50	0.814

Total Area Entered = 22.43(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-3     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
64.5  81.6      0.226     0.814        0.060       1.000      0.060
                                                  Sum (F) =   0.060
Area averaged mean soil loss (F) (In/Hr) =  0.167
Minimum soil loss rate ((In/Hr)) =  0.084
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) =   0.249
```

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	217.510	46.271	10.460
2	0.167	435.020	42.164	9.531
3	0.250	652.530	8.127	1.837
4	0.333	870.041	3.438	0.777
		Sum = 100.000	Sum=	22.605

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.180	(0.167)	0.045	0.135
2	0.17	0.60	0.216	(0.167)	0.054	0.162
3	0.25	0.60	0.216	(0.167)	0.054	0.162
4	0.33	0.60	0.216	(0.167)	0.054	0.162
5	0.42	0.60	0.216	(0.167)	0.054	0.162
6	0.50	0.70	0.252	(0.167)	0.063	0.189
7	0.58	0.70	0.252	(0.167)	0.063	0.189
8	0.67	0.70	0.252	(0.167)	0.063	0.189
9	0.75	0.70	0.252	(0.167)	0.063	0.189
10	0.83	0.70	0.252	(0.167)	0.063	0.189
11	0.92	0.70	0.252	(0.167)	0.063	0.189
12	1.00	0.80	0.288	(0.167)	0.072	0.216
13	1.08	0.80	0.288	(0.167)	0.072	0.216
14	1.17	0.80	0.288	(0.167)	0.072	0.216
15	1.25	0.80	0.288	(0.167)	0.072	0.216
16	1.33	0.80	0.288	(0.167)	0.072	0.216
17	1.42	0.80	0.288	(0.167)	0.072	0.216
18	1.50	0.80	0.288	(0.167)	0.072	0.216
19	1.58	0.80	0.288	(0.167)	0.072	0.216
20	1.67	0.80	0.288	(0.167)	0.072	0.216
21	1.75	0.80	0.288	(0.167)	0.072	0.216
22	1.83	0.80	0.288	(0.167)	0.072	0.216
23	1.92	0.80	0.288	(0.167)	0.072	0.216
24	2.00	0.90	0.324	(0.167)	0.081	0.243
25	2.08	0.80	0.288	(0.167)	0.072	0.216
26	2.17	0.90	0.324	(0.167)	0.081	0.243
27	2.25	0.90	0.324	(0.167)	0.081	0.243
28	2.33	0.90	0.324	(0.167)	0.081	0.243
29	2.42	0.90	0.324	(0.167)	0.081	0.243
30	2.50	0.90	0.324	(0.167)	0.081	0.243
31	2.58	0.90	0.324	(0.167)	0.081	0.243
32	2.67	0.90	0.324	(0.167)	0.081	0.243
33	2.75	1.00	0.360	(0.167)	0.090	0.270
34	2.83	1.00	0.360	(0.167)	0.090	0.270
35	2.92	1.00	0.360	(0.167)	0.090	0.270
36	3.00	1.00	0.360	(0.167)	0.090	0.270

```
37   3.08     1.00      0.360       (  0.167)       0.090        0.270
38   3.17     1.10      0.396       (  0.167)       0.099        0.297
39   3.25     1.10      0.396       (  0.167)       0.099        0.297
40   3.33     1.10      0.396       (  0.167)       0.099        0.297
41   3.42     1.20      0.432       (  0.167)       0.107        0.324
42   3.50     1.30      0.468       (  0.167)       0.116        0.352
43   3.58     1.40      0.504       (  0.167)       0.125        0.379
44   3.67     1.40      0.504       (  0.167)       0.125        0.379
45   3.75     1.50      0.540       (  0.167)       0.134        0.406
46   3.83     1.50      0.540       (  0.167)       0.134        0.406
47   3.92     1.60      0.576       (  0.167)       0.143        0.433
48   4.00     1.60      0.576       (  0.167)       0.143        0.433
49   4.08     1.70      0.612       (  0.167)       0.152        0.460
50   4.17     1.80      0.648       (  0.167)       0.161        0.487
51   4.25     1.90      0.684          0.167    (  0.170)        0.517
52   4.33     2.00      0.720          0.167    (  0.179)        0.553
53   4.42     2.10      0.756          0.167    (  0.188)        0.589
54   4.50     2.10      0.756          0.167    (  0.188)        0.589
55   4.58     2.20      0.792          0.167    (  0.197)        0.625
56   4.67     2.30      0.828          0.167    (  0.206)        0.661
57   4.75     2.40      0.864          0.167    (  0.215)        0.697
58   4.83     2.40      0.864          0.167    (  0.215)        0.697
59   4.92     2.50      0.900          0.167    (  0.224)        0.733
60   5.00     2.60      0.936          0.167    (  0.233)        0.769
61   5.08     3.10      1.116          0.167    (  0.278)        0.949
62   5.17     3.60      1.296          0.167    (  0.322)        1.129
63   5.25     3.90      1.404          0.167    (  0.349)        1.237
64   5.33     4.20      1.512          0.167    (  0.376)        1.345
65   5.42     4.70      1.692          0.167    (  0.421)        1.525
66   5.50     5.60      2.016          0.167    (  0.502)        1.848
67   5.58     1.90      0.684          0.167    (  0.170)        0.517
68   5.67     0.90      0.324       (  0.167)       0.081        0.243
69   5.75     0.60      0.216       (  0.167)       0.054        0.162
70   5.83     0.50      0.180       (  0.167)       0.045        0.135
71   5.92     0.30      0.108       (  0.167)       0.027        0.081
72   6.00     0.20      0.072       (  0.167)       0.018        0.054
            (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    28.6
     Flood volume = Effective rainfall      2.39(In)
      times area      22.4(Ac.)/[(In)/(Ft.)] =       4.5(Ac.Ft)
     Total soil loss =      0.61(In)
     Total soil loss =     1.148(Ac.Ft)
     Total rainfall =      3.00(In)
     Flood volume =      194251.1 Cubic Feet
     Total soil loss =       49992.8 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     37.315(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       10.0      20.0      30.0      40.0
-------------------------------------------------------------------------
  0+ 5       0.0097      1.41  VQ        |         |         |         |
  0+10       0.0303      2.99  V Q       |         |         |         |
  0+15       0.0544      3.49  V  Q      |         |         |         |
  0+20       0.0795      3.65  V  Q      |         |         |         |
  0+25       0.1048      3.67  V  Q      |         |         |         |
  0+30       0.1320      3.95  |V Q      |         |         |         |
  0+35       0.1610      4.21  |V  Q     |         |         |         |
  0+40       0.1903      4.26  |V  Q     |         |         |         |
  0+45       0.2198      4.28  |V  Q     |         |         |         |
  0+50       0.2493      4.28  | V Q     |         |         |         |
```

```
   0+55       0.2788      4.28  | V Q     |         |         |         |
   1+ 0       0.3102      4.56  | V Q     |         |         |         |
   1+ 5       0.3434      4.82  |  VQ     |         |         |         |
   1+10       0.3770      4.87  |  VQ     |         |         |         |
   1+15       0.4107      4.89  |  VQ     |         |         |         |
   1+20       0.4444      4.89  |  VQ     |         |         |         |
   1+25       0.4781      4.89  |   Q     |         |         |         |
   1+30       0.5118      4.89  |   Q     |         |         |         |
   1+35       0.5455      4.89  |   Q     |         |         |         |
   1+40       0.5792      4.89  |   QV    |         |         |         |
   1+45       0.6129      4.89  |   QV    |         |         |         |
   1+50       0.6466      4.89  |   QV    |         |         |         |
   1+55       0.6802      4.89  |   Q V   |         |         |         |
   2+ 0       0.7159      5.18  |    QV   |         |         |         |
   2+ 5       0.7514      5.15  |    QV   |         |         |         |
   2+10       0.7874      5.23  |    Q V  |         |         |         |
   2+15       0.8249      5.45  |    Q V  |         |         |         |
   2+20       0.8627      5.48  |    Q V  |         |         |         |
   2+25       0.9006      5.50  |    Q  V |         |         |         |
   2+30       0.9385      5.50  |    Q  V |         |         |         |
   2+35       0.9764      5.50  |    Q  V |         |         |         |
   2+40       1.0143      5.50  |    Q   V|         |         |         |
   2+45       1.0542      5.79  |    Q   V|         |         |         |
   2+50       1.0958      6.05  |     Q  V|         |         |         |
   2+55       1.1378      6.09  |     Q   V         |         |         |
   3+ 0       1.1799      6.12  |     Q   V         |         |         |
   3+ 5       1.2220      6.12  |     Q   V         |         |         |
   3+10       1.2661      6.40  |     Q   |V        |         |         |
   3+15       1.3119      6.66  |     Q   |V        |         |         |
   3+20       1.3581      6.71  |     Q   | V       |         |         |
   3+25       1.4064      7.01  |      Q  | V       |         |         |
   3+30       1.4584      7.55  |      Q  |  V      |         |         |
   3+35       1.5145      8.14  |       Q |  V      |         |         |
   3+40       1.5728      8.47  |       Q |   V     |         |         |
   3+45       1.6336      8.82  |       Q |   V     |         |         |
   3+50       1.6963      9.10  |        Q|    V    |         |         |
   3+55       1.7613      9.44  |        Q|    V    |         |         |
   4+ 0       1.8282      9.71  |        Q|     V   |         |         |
   4+ 5       1.8974     10.05  |         Q      V  |         |         |
   4+10       1.9704     10.61  |         Q      V  |         |         |
   4+15       2.0478     11.23  |         |Q      V |         |         |
   4+20       2.1302     11.96  |         |Q       V|         |         |
   4+25       2.2180     12.76  |         | Q      V|         |         |
   4+30       2.3088     13.19  |         |  Q      V         |         |
   4+35       2.4029     13.66  |         |  Q      |V        |         |
   4+40       2.5022     14.41  |         |   Q     | V       |         |
   4+45       2.6068     15.19  |         |    Q    |  V      |         |
   4+50       2.7145     15.63  |         |    Q    |   V     |         |
   4+55       2.8254     16.10  |         |     Q   |    V    |         |
   5+ 0       2.9414     16.85  |         |     Q   |     V   |         |
   5+ 5       3.0733     19.14  |         |        Q|      V  |         |
   5+10       3.2306     22.84  |         |         | Q     V |         |
   5+15       3.4099     26.04  |         |         |     Q   V         |
   5+20       3.6074     28.67  |         |         |       Q | V       |
   5+25       3.8273     31.93  |         |         |         |Q  V     |
   5+30       4.0843     37.32  |         |         |         |     VQ  |
   5+35       4.2694     26.88  |         |         |     Q   |       V |
   5+40       4.3524     12.06  |         | Q       |         |        V|
   5+45       4.3965      6.41  |     Q   |         |         |        V|
   5+50       4.4228      3.81  |  Q      |         |         |        V|
   5+55       4.4409      2.63  | Q       |         |         |        V|
   6+ 0       4.4527      1.71  |Q        |         |         |        V|
   6+ 5       4.4580      0.77  Q         |         |         |        V|
   6+10       4.4591      0.16  Q         |         |         |        V|
   6+15       4.4594      0.04  Q         |         |         |        V|
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/19/21 File: RVPRG24100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN G- PROPOSED UNIT HYDROGRAPH
100YR-24HR

Drainage Area = 22.43(Ac.) = 0.035 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 22.43(Ac.) = 0.035 Sq. Mi.
Length along longest watercourse = 1605.00(Ft.)
Length along longest watercourse measured to centroid = 637.00(Ft.)
Length along longest watercourse = 0.304 Mi.
Length along longest watercourse measured to centroid = 0.121 Mi.
Difference in elevation = 54.00(Ft.)
Slope along watercourse = 177.6449 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.038 Hr.
Lag time = 2.30 Min.
25% of lag time = 0.57 Min.
40% of lag time = 0.92 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	2.70	60.56

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	7.00	157.01

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 7.000(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 7.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
22.430	64.50	0.814

Total Area Entered = 22.43(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-3     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
64.5  81.6      0.226     0.814        0.060       1.000      0.060
                                                  Sum (F) =   0.060
Area averaged mean soil loss (F) (In/Hr) =  0.167
Minimum soil loss rate ((In/Hr)) =  0.084
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) =   0.249
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U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	217.510	46.271	10.460
2	0.167	435.020	42.164	9.531
3	0.250	652.530	8.127	1.837
4	0.333	870.041	3.438	0.777
		Sum = 100.000	Sum=	22.605

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.056	(0.297)	0.014	0.042
2	0.17	0.07	0.056	(0.296)	0.014	0.042
3	0.25	0.07	0.056	(0.294)	0.014	0.042
4	0.33	0.10	0.084	(0.293)	0.021	0.063
5	0.42	0.10	0.084	(0.292)	0.021	0.063
6	0.50	0.10	0.084	(0.291)	0.021	0.063
7	0.58	0.10	0.084	(0.290)	0.021	0.063
8	0.67	0.10	0.084	(0.289)	0.021	0.063
9	0.75	0.10	0.084	(0.288)	0.021	0.063
10	0.83	0.13	0.112	(0.286)	0.028	0.084
11	0.92	0.13	0.112	(0.285)	0.028	0.084
12	1.00	0.13	0.112	(0.284)	0.028	0.084
13	1.08	0.10	0.084	(0.283)	0.021	0.063
14	1.17	0.10	0.084	(0.282)	0.021	0.063
15	1.25	0.10	0.084	(0.281)	0.021	0.063
16	1.33	0.10	0.084	(0.280)	0.021	0.063
17	1.42	0.10	0.084	(0.279)	0.021	0.063
18	1.50	0.10	0.084	(0.277)	0.021	0.063
19	1.58	0.10	0.084	(0.276)	0.021	0.063
20	1.67	0.10	0.084	(0.275)	0.021	0.063
21	1.75	0.10	0.084	(0.274)	0.021	0.063
22	1.83	0.13	0.112	(0.273)	0.028	0.084
23	1.92	0.13	0.112	(0.272)	0.028	0.084
24	2.00	0.13	0.112	(0.271)	0.028	0.084
25	2.08	0.13	0.112	(0.270)	0.028	0.084
26	2.17	0.13	0.112	(0.269)	0.028	0.084
27	2.25	0.13	0.112	(0.268)	0.028	0.084
28	2.33	0.13	0.112	(0.266)	0.028	0.084
29	2.42	0.13	0.112	(0.265)	0.028	0.084
30	2.50	0.13	0.112	(0.264)	0.028	0.084
31	2.58	0.17	0.140	(0.263)	0.035	0.105
32	2.67	0.17	0.140	(0.262)	0.035	0.105
33	2.75	0.17	0.140	(0.261)	0.035	0.105
34	2.83	0.17	0.140	(0.260)	0.035	0.105
35	2.92	0.17	0.140	(0.259)	0.035	0.105
36	3.00	0.17	0.140	(0.258)	0.035	0.105

37	3.08	0.17	0.140	(0.257)	0.035	0.105
38	3.17	0.17	0.140	(0.256)	0.035	0.105
39	3.25	0.17	0.140	(0.255)	0.035	0.105
40	3.33	0.17	0.140	(0.254)	0.035	0.105
41	3.42	0.17	0.140	(0.253)	0.035	0.105
42	3.50	0.17	0.140	(0.251)	0.035	0.105
43	3.58	0.17	0.140	(0.250)	0.035	0.105
44	3.67	0.17	0.140	(0.249)	0.035	0.105
45	3.75	0.17	0.140	(0.248)	0.035	0.105
46	3.83	0.20	0.168	(0.247)	0.042	0.126
47	3.92	0.20	0.168	(0.246)	0.042	0.126
48	4.00	0.20	0.168	(0.245)	0.042	0.126
49	4.08	0.20	0.168	(0.244)	0.042	0.126
50	4.17	0.20	0.168	(0.243)	0.042	0.126
51	4.25	0.20	0.168	(0.242)	0.042	0.126
52	4.33	0.23	0.196	(0.241)	0.049	0.147
53	4.42	0.23	0.196	(0.240)	0.049	0.147
54	4.50	0.23	0.196	(0.239)	0.049	0.147
55	4.58	0.23	0.196	(0.238)	0.049	0.147
56	4.67	0.23	0.196	(0.237)	0.049	0.147
57	4.75	0.23	0.196	(0.236)	0.049	0.147
58	4.83	0.27	0.224	(0.235)	0.056	0.168
59	4.92	0.27	0.224	(0.234)	0.056	0.168
60	5.00	0.27	0.224	(0.233)	0.056	0.168
61	5.08	0.20	0.168	(0.232)	0.042	0.126
62	5.17	0.20	0.168	(0.231)	0.042	0.126
63	5.25	0.20	0.168	(0.230)	0.042	0.126
64	5.33	0.23	0.196	(0.229)	0.049	0.147
65	5.42	0.23	0.196	(0.228)	0.049	0.147
66	5.50	0.23	0.196	(0.227)	0.049	0.147
67	5.58	0.27	0.224	(0.226)	0.056	0.168
68	5.67	0.27	0.224	(0.225)	0.056	0.168
69	5.75	0.27	0.224	(0.224)	0.056	0.168
70	5.83	0.27	0.224	(0.223)	0.056	0.168
71	5.92	0.27	0.224	(0.222)	0.056	0.168
72	6.00	0.27	0.224	(0.221)	0.056	0.168
73	6.08	0.30	0.252	(0.220)	0.063	0.189
74	6.17	0.30	0.252	(0.219)	0.063	0.189
75	6.25	0.30	0.252	(0.218)	0.063	0.189
76	6.33	0.30	0.252	(0.217)	0.063	0.189
77	6.42	0.30	0.252	(0.216)	0.063	0.189
78	6.50	0.30	0.252	(0.215)	0.063	0.189
79	6.58	0.33	0.280	(0.214)	0.070	0.210
80	6.67	0.33	0.280	(0.213)	0.070	0.210
81	6.75	0.33	0.280	(0.212)	0.070	0.210
82	6.83	0.33	0.280	(0.211)	0.070	0.210
83	6.92	0.33	0.280	(0.210)	0.070	0.210
84	7.00	0.33	0.280	(0.209)	0.070	0.210
85	7.08	0.33	0.280	(0.208)	0.070	0.210
86	7.17	0.33	0.280	(0.207)	0.070	0.210
87	7.25	0.33	0.280	(0.206)	0.070	0.210
88	7.33	0.37	0.308	(0.206)	0.077	0.231
89	7.42	0.37	0.308	(0.205)	0.077	0.231
90	7.50	0.37	0.308	(0.204)	0.077	0.231
91	7.58	0.40	0.336	(0.203)	0.084	0.252
92	7.67	0.40	0.336	(0.202)	0.084	0.252
93	7.75	0.40	0.336	(0.201)	0.084	0.252
94	7.83	0.43	0.364	(0.200)	0.091	0.273
95	7.92	0.43	0.364	(0.199)	0.091	0.273
96	8.00	0.43	0.364	(0.198)	0.091	0.273
97	8.08	0.50	0.420	(0.197)	0.104	0.315
98	8.17	0.50	0.420	(0.196)	0.104	0.315
99	8.25	0.50	0.420	(0.195)	0.104	0.315
100	8.33	0.50	0.420	(0.194)	0.104	0.315
101	8.42	0.50	0.420	(0.193)	0.104	0.315
102	8.50	0.50	0.420	(0.193)	0.104	0.315
103	8.58	0.53	0.448	(0.192)	0.111	0.337

104	8.67	0.53	0.448	(0.191)	0.111	0.337
105	8.75	0.53	0.448	(0.190)	0.111	0.337
106	8.83	0.57	0.476	(0.189)	0.118	0.358
107	8.92	0.57	0.476	(0.188)	0.118	0.358
108	9.00	0.57	0.476	(0.187)	0.118	0.358
109	9.08	0.63	0.532	(0.186)	0.132	0.400
110	9.17	0.63	0.532	(0.185)	0.132	0.400
111	9.25	0.63	0.532	(0.185)	0.132	0.400
112	9.33	0.67	0.560	(0.184)	0.139	0.421
113	9.42	0.67	0.560	(0.183)	0.139	0.421
114	9.50	0.67	0.560	(0.182)	0.139	0.421
115	9.58	0.70	0.588	(0.181)	0.146	0.442
116	9.67	0.70	0.588	(0.180)	0.146	0.442
117	9.75	0.70	0.588	(0.179)	0.146	0.442
118	9.83	0.73	0.616	(0.178)	0.153	0.463
119	9.92	0.73	0.616	(0.178)	0.153	0.463
120	10.00	0.73	0.616	(0.177)	0.153	0.463
121	10.08	0.50	0.420	(0.176)	0.104	0.315
122	10.17	0.50	0.420	(0.175)	0.104	0.315
123	10.25	0.50	0.420	(0.174)	0.104	0.315
124	10.33	0.50	0.420	(0.173)	0.104	0.315
125	10.42	0.50	0.420	(0.172)	0.104	0.315
126	10.50	0.50	0.420	(0.172)	0.104	0.315
127	10.58	0.67	0.560	(0.171)	0.139	0.421
128	10.67	0.67	0.560	(0.170)	0.139	0.421
129	10.75	0.67	0.560	(0.169)	0.139	0.421
130	10.83	0.67	0.560	(0.168)	0.139	0.421
131	10.92	0.67	0.560	(0.167)	0.139	0.421
132	11.00	0.67	0.560	(0.167)	0.139	0.421
133	11.08	0.63	0.532	(0.166)	0.132	0.400
134	11.17	0.63	0.532	(0.165)	0.132	0.400
135	11.25	0.63	0.532	(0.164)	0.132	0.400
136	11.33	0.63	0.532	(0.163)	0.132	0.400
137	11.42	0.63	0.532	(0.163)	0.132	0.400
138	11.50	0.63	0.532	(0.162)	0.132	0.400
139	11.58	0.57	0.476	(0.161)	0.118	0.358
140	11.67	0.57	0.476	(0.160)	0.118	0.358
141	11.75	0.57	0.476	(0.159)	0.118	0.358
142	11.83	0.60	0.504	(0.159)	0.125	0.379
143	11.92	0.60	0.504	(0.158)	0.125	0.379
144	12.00	0.60	0.504	(0.157)	0.125	0.379
145	12.08	0.83	0.700	0.156	(0.174)	0.544
146	12.17	0.83	0.700	0.155	(0.174)	0.545
147	12.25	0.83	0.700	0.155	(0.174)	0.545
148	12.33	0.87	0.728	0.154	(0.181)	0.574
149	12.42	0.87	0.728	0.153	(0.181)	0.575
150	12.50	0.87	0.728	0.152	(0.181)	0.576
151	12.58	0.93	0.784	0.152	(0.195)	0.632
152	12.67	0.93	0.784	0.151	(0.195)	0.633
153	12.75	0.93	0.784	0.150	(0.195)	0.634
154	12.83	0.97	0.812	0.149	(0.202)	0.663
155	12.92	0.97	0.812	0.149	(0.202)	0.663
156	13.00	0.97	0.812	0.148	(0.202)	0.664
157	13.08	1.13	0.952	0.147	(0.237)	0.805
158	13.17	1.13	0.952	0.146	(0.237)	0.806
159	13.25	1.13	0.952	0.146	(0.237)	0.806
160	13.33	1.13	0.952	0.145	(0.237)	0.807
161	13.42	1.13	0.952	0.144	(0.237)	0.808
162	13.50	1.13	0.952	0.143	(0.237)	0.809
163	13.58	0.77	0.644	0.143	(0.160)	0.501
164	13.67	0.77	0.644	0.142	(0.160)	0.502
165	13.75	0.77	0.644	0.141	(0.160)	0.503
166	13.83	0.77	0.644	0.140	(0.160)	0.504
167	13.92	0.77	0.644	0.140	(0.160)	0.504
168	14.00	0.77	0.644	0.139	(0.160)	0.505
169	14.08	0.90	0.756	0.138	(0.188)	0.618
170	14.17	0.90	0.756	0.138	(0.188)	0.618

171	14.25	0.90	0.756	0.137	(	0.188)	0.619
172	14.33	0.87	0.728	0.136	(	0.181)	0.592
173	14.42	0.87	0.728	0.136	(	0.181)	0.592
174	14.50	0.87	0.728	0.135	(	0.181)	0.593
175	14.58	0.87	0.728	0.134	(	0.181)	0.594
176	14.67	0.87	0.728	0.133	(	0.181)	0.595
177	14.75	0.87	0.728	0.133	(	0.181)	0.595
178	14.83	0.83	0.700	0.132	(	0.174)	0.568
179	14.92	0.83	0.700	0.131	(	0.174)	0.569
180	15.00	0.83	0.700	0.131	(	0.174)	0.569
181	15.08	0.80	0.672	0.130	(	0.167)	0.542
182	15.17	0.80	0.672	0.129	(	0.167)	0.543
183	15.25	0.80	0.672	0.129	(	0.167)	0.543
184	15.33	0.77	0.644	0.128	(	0.160)	0.516
185	15.42	0.77	0.644	0.127	(	0.160)	0.517
186	15.50	0.77	0.644	0.127	(	0.160)	0.517
187	15.58	0.63	0.532	0.126	(	0.132)	0.406
188	15.67	0.63	0.532	0.125	(	0.132)	0.407
189	15.75	0.63	0.532	0.125	(	0.132)	0.407
190	15.83	0.63	0.532	0.124	(	0.132)	0.408
191	15.92	0.63	0.532	0.124	(	0.132)	0.408
192	16.00	0.63	0.532	0.123	(	0.132)	0.409
193	16.08	0.13	0.112	(0.122)		0.028	0.084
194	16.17	0.13	0.112	(0.122)		0.028	0.084
195	16.25	0.13	0.112	(0.121)		0.028	0.084
196	16.33	0.13	0.112	(0.120)		0.028	0.084
197	16.42	0.13	0.112	(0.120)		0.028	0.084
198	16.50	0.13	0.112	(0.119)		0.028	0.084
199	16.58	0.10	0.084	(0.119)		0.021	0.063
200	16.67	0.10	0.084	(0.118)		0.021	0.063
201	16.75	0.10	0.084	(0.117)		0.021	0.063
202	16.83	0.10	0.084	(0.117)		0.021	0.063
203	16.92	0.10	0.084	(0.116)		0.021	0.063
204	17.00	0.10	0.084	(0.116)		0.021	0.063
205	17.08	0.17	0.140	(0.115)		0.035	0.105
206	17.17	0.17	0.140	(0.114)		0.035	0.105
207	17.25	0.17	0.140	(0.114)		0.035	0.105
208	17.33	0.17	0.140	(0.113)		0.035	0.105
209	17.42	0.17	0.140	(0.113)		0.035	0.105
210	17.50	0.17	0.140	(0.112)		0.035	0.105
211	17.58	0.17	0.140	(0.112)		0.035	0.105
212	17.67	0.17	0.140	(0.111)		0.035	0.105
213	17.75	0.17	0.140	(0.110)		0.035	0.105
214	17.83	0.13	0.112	(0.110)		0.028	0.084
215	17.92	0.13	0.112	(0.109)		0.028	0.084
216	18.00	0.13	0.112	(0.109)		0.028	0.084
217	18.08	0.13	0.112	(0.108)		0.028	0.084
218	18.17	0.13	0.112	(0.108)		0.028	0.084
219	18.25	0.13	0.112	(0.107)		0.028	0.084
220	18.33	0.13	0.112	(0.107)		0.028	0.084
221	18.42	0.13	0.112	(0.106)		0.028	0.084
222	18.50	0.13	0.112	(0.106)		0.028	0.084
223	18.58	0.10	0.084	(0.105)		0.021	0.063
224	18.67	0.10	0.084	(0.105)		0.021	0.063
225	18.75	0.10	0.084	(0.104)		0.021	0.063
226	18.83	0.07	0.056	(0.104)		0.014	0.042
227	18.92	0.07	0.056	(0.103)		0.014	0.042
228	19.00	0.07	0.056	(0.103)		0.014	0.042
229	19.08	0.10	0.084	(0.102)		0.021	0.063
230	19.17	0.10	0.084	(0.102)		0.021	0.063
231	19.25	0.10	0.084	(0.101)		0.021	0.063
232	19.33	0.13	0.112	(0.101)		0.028	0.084
233	19.42	0.13	0.112	(0.100)		0.028	0.084
234	19.50	0.13	0.112	(0.100)		0.028	0.084
235	19.58	0.10	0.084	(0.099)		0.021	0.063
236	19.67	0.10	0.084	(0.099)		0.021	0.063
237	19.75	0.10	0.084	(0.099)		0.021	0.063

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238  19.83     0.07      0.056       (  0.098)       0.014        0.042
239  19.92     0.07      0.056       (  0.098)       0.014        0.042
240  20.00     0.07      0.056       (  0.097)       0.014        0.042
241  20.08     0.10      0.084       (  0.097)       0.021        0.063
242  20.17     0.10      0.084       (  0.096)       0.021        0.063
243  20.25     0.10      0.084       (  0.096)       0.021        0.063
244  20.33     0.10      0.084       (  0.095)       0.021        0.063
245  20.42     0.10      0.084       (  0.095)       0.021        0.063
246  20.50     0.10      0.084       (  0.095)       0.021        0.063
247  20.58     0.10      0.084       (  0.094)       0.021        0.063
248  20.67     0.10      0.084       (  0.094)       0.021        0.063
249  20.75     0.10      0.084       (  0.094)       0.021        0.063
250  20.83     0.07      0.056       (  0.093)       0.014        0.042
251  20.92     0.07      0.056       (  0.093)       0.014        0.042
252  21.00     0.07      0.056       (  0.092)       0.014        0.042
253  21.08     0.10      0.084       (  0.092)       0.021        0.063
254  21.17     0.10      0.084       (  0.092)       0.021        0.063
255  21.25     0.10      0.084       (  0.091)       0.021        0.063
256  21.33     0.07      0.056       (  0.091)       0.014        0.042
257  21.42     0.07      0.056       (  0.091)       0.014        0.042
258  21.50     0.07      0.056       (  0.090)       0.014        0.042
259  21.58     0.10      0.084       (  0.090)       0.021        0.063
260  21.67     0.10      0.084       (  0.090)       0.021        0.063
261  21.75     0.10      0.084       (  0.089)       0.021        0.063
262  21.83     0.07      0.056       (  0.089)       0.014        0.042
263  21.92     0.07      0.056       (  0.089)       0.014        0.042
264  22.00     0.07      0.056       (  0.088)       0.014        0.042
265  22.08     0.10      0.084       (  0.088)       0.021        0.063
266  22.17     0.10      0.084       (  0.088)       0.021        0.063
267  22.25     0.10      0.084       (  0.088)       0.021        0.063
268  22.33     0.07      0.056       (  0.087)       0.014        0.042
269  22.42     0.07      0.056       (  0.087)       0.014        0.042
270  22.50     0.07      0.056       (  0.087)       0.014        0.042
271  22.58     0.07      0.056       (  0.086)       0.014        0.042
272  22.67     0.07      0.056       (  0.086)       0.014        0.042
273  22.75     0.07      0.056       (  0.086)       0.014        0.042
274  22.83     0.07      0.056       (  0.086)       0.014        0.042
275  22.92     0.07      0.056       (  0.086)       0.014        0.042
276  23.00     0.07      0.056       (  0.085)       0.014        0.042
277  23.08     0.07      0.056       (  0.085)       0.014        0.042
278  23.17     0.07      0.056       (  0.085)       0.014        0.042
279  23.25     0.07      0.056       (  0.085)       0.014        0.042
280  23.33     0.07      0.056       (  0.085)       0.014        0.042
281  23.42     0.07      0.056       (  0.084)       0.014        0.042
282  23.50     0.07      0.056       (  0.084)       0.014        0.042
283  23.58     0.07      0.056       (  0.084)       0.014        0.042
284  23.67     0.07      0.056       (  0.084)       0.014        0.042
285  23.75     0.07      0.056       (  0.084)       0.014        0.042
286  23.83     0.07      0.056       (  0.084)       0.014        0.042
287  23.92     0.07      0.056       (  0.084)       0.014        0.042
288  24.00     0.07      0.056       (  0.084)       0.014        0.042
            (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    65.0
     Flood volume = Effective rainfall      5.42(In)
      times area      22.4(Ac.)/[(In)/(Ft.)] =      10.1(Ac.Ft)
     Total soil loss =      1.58(In)
     Total soil loss =     2.956(Ac.Ft)
     Total rainfall =      7.00(In)
     Flood volume =      441139.6 Cubic Feet
     Total soil loss =      128781.7 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     18.277(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        24 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
```

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0030	0.44	Q				
0+10	0.0088	0.84	VQ				
0+15	0.0152	0.92	VQ				
0+20	0.0232	1.17	V Q				
0+25	0.0327	1.37	V Q				
0+30	0.0424	1.41	V Q				
0+35	0.0522	1.43	V Q				
0+40	0.0620	1.43	V Q				
0+45	0.0719	1.43	V Q				
0+50	0.0832	1.65	V Q				
0+55	0.0959	1.85	V Q				
1+ 0	0.1089	1.89	V Q				
1+ 5	0.1205	1.68	V Q				
1+10	0.1307	1.48	V Q				
1+15	0.1407	1.44	V Q				
1+20	0.1505	1.43	V Q				
1+25	0.1603	1.43	V Q				
1+30	0.1702	1.43	V Q				
1+35	0.1800	1.43	V Q				
1+40	0.1898	1.43	V Q				
1+45	0.1996	1.43	V Q				
1+50	0.2110	1.65	V Q				
1+55	0.2237	1.85	V Q				
2+ 0	0.2367	1.89	V Q				
2+ 5	0.2498	1.90	V Q				
2+10	0.2629	1.90	|V Q				
2+15	0.2760	1.90	|V Q				
2+20	0.2891	1.90	|V Q				
2+25	0.3022	1.90	|V Q				
2+30	0.3153	1.90	|V Q				
2+35	0.3300	2.12	|V Q				
2+40	0.3460	2.32	|V Q				
2+45	0.3622	2.36	|V Q				
2+50	0.3786	2.38	|V Q				
2+55	0.3950	2.38	|V Q				
3+ 0	0.4114	2.38	|V Q				
3+ 5	0.4277	2.38	|V Q				
3+10	0.4441	2.38	|V Q				
3+15	0.4605	2.38	|V Q				
3+20	0.4769	2.38	|V Q				
3+25	0.4933	2.38	|V Q				
3+30	0.5096	2.38	| V Q				
3+35	0.5260	2.38	| V Q				
3+40	0.5424	2.38	| V Q				
3+45	0.5588	2.38	| V Q				
3+50	0.5767	2.60	| V Q				
3+55	0.5960	2.80	| V Q				
4+ 0	0.6155	2.84	| V Q				
4+ 5	0.6352	2.85	| V Q				
4+10	0.6548	2.85	| V Q				
4+15	0.6745	2.85	| V Q				
4+20	0.6956	3.07	| V Q				
4+25	0.7182	3.27	| V Q				
4+30	0.7410	3.31	| V Q				
4+35	0.7640	3.33	| V Q				
4+40	0.7869	3.33	| V Q				
4+45	0.8098	3.33	| V Q				
4+50	0.8343	3.55	| V Q				
4+55	0.8601	3.75	| V Q				
5+ 0	0.8862	3.79	| V Q				
5+ 5	0.9094	3.37	| V Q				
5+10	0.9298	2.96	| V Q				

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 5+15       0.9497      2.89  |  V Q    |          |          |          |
 5+20       0.9708      3.07  |  V  Q   |          |          |          |
 5+25       0.9934      3.27  |  V  Q   |          |          |          |
 5+30       1.0162      3.31  |   V Q   |          |          |          |
 5+35       1.0407      3.55  |   V  Q  |          |          |          |
 5+40       1.0665      3.75  |   V  Q  |          |          |          |
 5+45       1.0926      3.79  |   V  Q  |          |          |          |
 5+50       1.1188      3.81  |   V  Q  |          |          |          |
 5+55       1.1450      3.81  |   V  Q  |          |          |          |
 6+ 0       1.1712      3.81  |   V  Q  |          |          |          |
 6+ 5       1.1989      4.03  |   V   Q |          |          |          |
 6+10       1.2281      4.23  |   V   Q |          |          |          |
 6+15       1.2574      4.26  |   V   Q |          |          |          |
 6+20       1.2869      4.28  |    V  Q |          |          |          |
 6+25       1.3164      4.28  |    V  Q |          |          |          |
 6+30       1.3459      4.28  |    V  Q |          |          |          |
 6+35       1.3769      4.50  |    V   Q|          |          |          |
 6+40       1.4093      4.70  |    V   Q|          |          |          |
 6+45       1.4419      4.74  |    V   Q|          |          |          |
 6+50       1.4747      4.76  |    V   Q|          |          |          |
 6+55       1.5074      4.76  |    V   Q|          |          |          |
 7+ 0       1.5402      4.76  |     V  Q|          |          |          |
 7+ 5       1.5730      4.76  |     V  Q|          |          |          |
 7+10       1.6057      4.76  |     V  Q|          |          |          |
 7+15       1.6385      4.76  |     V  Q|          |          |          |
 7+20       1.6728      4.98  |     V  Q|          |          |          |
 7+25       1.7084      5.18  |     V   Q          |          |          |
 7+30       1.7443      5.22  |     V   Q          |          |          |
 7+35       1.7819      5.45  |      V  Q          |          |          |
 7+40       1.8208      5.65  |      V  |Q         |          |          |
 7+45       1.8600      5.69  |      V  |Q         |          |          |
 7+50       1.9009      5.93  |      V  |Q         |          |          |
 7+55       1.9431      6.13  |      V  | Q        |          |          |
 8+ 0       1.9855      6.17  |      V  | Q        |          |          |
 8+ 5       2.0312      6.62  |       V |  Q       |          |          |
 8+10       2.0796      7.03  |       V |   Q      |          |          |
 8+15       2.1285      7.10  |       V |   Q      |          |          |
 8+20       2.1776      7.14  |       V |   Q      |          |          |
 8+25       2.2268      7.14  |       V |   Q      |          |          |
 8+30       2.2759      7.14  |       V |   Q      |          |          |
 8+35       2.3266      7.36  |        V|   Q      |          |          |
 8+40       2.3786      7.56  |        V|    Q     |          |          |
 8+45       2.4309      7.59  |        V|    Q     |          |          |
 8+50       2.4848      7.83  |        V|    Q     |          |          |
 8+55       2.5401      8.03  |         V     Q    |          |          |
 9+ 0       2.5957      8.07  |         V     Q    |          |          |
 9+ 5       2.6545      8.53  |         V      Q   |          |          |
 9+10       2.7159      8.93  |         V      Q   |          |          |
 9+15       2.7780      9.01  |         V       Q  |          |          |
 9+20       2.8417      9.26  |         |V      Q  |          |          |
 9+25       2.9069      9.46  |         |V      Q  |          |          |
 9+30       2.9723      9.50  |         |V      Q  |          |          |
 9+35       3.0393      9.73  |         | V      Q|          |          |
 9+40       3.1077      9.93  |         | V      Q|          |          |
 9+45       3.1764      9.97  |         | V      Q|          |          |
 9+50       3.2467     10.21  |         | V       Q          |          |
 9+55       3.3184     10.41  |         |  V      Q          |          |
10+ 0       3.3904     10.45  |         |  V      Q          |          |
10+ 5       3.4519      8.92  |         |  V   Q  |          |          |
10+10       3.5037      7.52  |         |  V Q    |          |          |
10+15       3.5536      7.25  |         |   Q     |          |          |
10+20       3.6027      7.14  |         |   Q     |          |          |
10+25       3.6519      7.14  |         |   Q     |          |          |
10+30       3.7010      7.14  |         |   Q     |          |          |
10+35       3.7577      8.24  |         |   V Q   |          |          |
10+40       3.8214      9.24  |         |    V  Q |          |          |
10+45       3.8863      9.43  |         |    V  Q |          |          |
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10+50       3.9518      9.51  |          |    V   Q|          |          |
10+55       4.0174      9.51  |          |    V   Q|          |          |
11+ 0       4.0829      9.51  |          |     V  Q|          |          |
11+ 5       4.1469      9.29  |          |     V Q |          |          |
11+10       4.2095      9.09  |          |     V Q |          |          |
11+15       4.2719      9.05  |          |     V Q |          |          |
11+20       4.3341      9.04  |          |      VQ |          |          |
11+25       4.3964      9.04  |          |      VQ |          |          |
11+30       4.4586      9.04  |          |      VQ |          |          |
11+35       4.5178      8.60  |          |      Q  |          |          |
11+40       4.5743      8.20  |          |     Q V |          |          |
11+45       4.6302      8.12  |          |     Q V |          |          |
11+50       4.6874      8.31  |          |     Q V |          |          |
11+55       4.7460      8.51  |          |      QV |          |          |
12+ 0       4.8049      8.55  |          |      QV |          |          |
12+ 5       4.8757     10.29  |          |        VQ          |          |
12+10       4.9575     11.87  |          |        V|  Q       |          |
12+15       5.0415     12.19  |          |        V|   Q      |          |
12+20       5.1285     12.63  |          |         V    Q     |          |
12+25       5.2174     12.92  |          |         V    Q     |          |
12+30       5.3069     12.98  |          |         V    Q     |          |
12+35       5.4006     13.61  |          |         |V     Q   |          |
12+40       5.4981     14.16  |          |         |V      Q  |          |
12+45       5.5965     14.28  |          |         | V     Q  |          |
12+50       5.6973     14.64  |          |         | V      Q|          |
12+55       5.8000     14.92  |          |         | V      Q|          |
13+ 0       5.9033     14.99  |          |         |  V     Q|          |
13+ 5       6.0168     16.49  |          |         |  V       | Q        |
13+10       6.1397     17.84  |          |         |   V      |    Q     |
13+15       6.2645     18.12  |          |         |   V      |     Q    |
13+20       6.3901     18.24  |          |         |    V     |     Q    |
13+25       6.5159     18.26  |          |         |    V     |     Q    |
13+30       6.6418     18.28  |          |         |     V    |     Q    |
13+35       6.7456     15.07  |          |         |     V   Q          |
13+40       6.8292     12.15  |          |         |   Q V    |          |
13+45       6.9091     11.60  |          |         |  Q   V   |          |
13+50       6.9875     11.38  |          |         | Q    V   |          |
13+55       7.0660     11.39  |          |         | Q    V   |          |
14+ 0       7.1445     11.41  |          |         | Q     V  |          |
14+ 5       7.2313     12.60  |          |         |    Q  V  |          |
14+10       7.3255     13.68  |          |         |      QV  |          |
14+15       7.4213     13.90  |          |         |       Q V|          |
14+20       7.5157     13.71  |          |         |       Q V|          |
14+25       7.6084     13.46  |          |         |     Q   V          |
14+30       7.7009     13.43  |          |         |     Q   V          |
14+35       7.7933     13.42  |          |         |     Q   V          |
14+40       7.8859     13.44  |          |         |     Q   |V         |
14+45       7.9785     13.45  |          |         |     Q   |V         |
14+50       8.0692     13.17  |          |         |     Q   |V         |
14+55       8.1582     12.92  |          |         |    Q    | V        |
15+ 0       8.2470     12.89  |          |         |    Q    | V        |
15+ 5       8.3336     12.59  |          |         |    Q    | V        |
15+10       8.4186     12.33  |          |         |   Q     |  V       |
15+15       8.5033     12.30  |          |         |   Q     |  V       |
15+20       8.5859     12.00  |          |         |  Q      |  V       |
15+25       8.6668     11.75  |          |         |  Q      |   V      |
15+30       8.7475     11.71  |          |         |  Q      |   V      |
15+35       8.8200     10.53  |          |         |Q        |   V      |
15+40       8.8853      9.48  |          |       Q |         |    V     |
15+45       8.9492      9.29  |          |       Q |         |    V     |
15+50       9.0127      9.21  |          |       Q |         |    V     |
15+55       9.0762      9.23  |          |       Q |         |    V     |
16+ 0       9.1399      9.24  |          |       Q |         |     V    |
16+ 5       9.1802      5.85  |          |Q        |         |     V    |
16+10       9.1991      2.75  |    Q     |         |         |     V    |
16+15       9.2140      2.16  |   Q      |         |         |     V    |
16+20       9.2271      1.90  |  Q       |         |         |     V    |
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16+25       9.2402      1.90  |  Q      |         |         |     V   |
16+30       9.2533      1.90  |  Q      |         |         |     V   |
16+35       9.2649      1.68  |  Q      |         |         |     V   |
16+40       9.2751      1.48  | Q       |         |         |     V   |
16+45       9.2850      1.44  | Q       |         |         |     V   |
16+50       9.2948      1.43  | Q       |         |         |     V   |
16+55       9.3047      1.43  | Q       |         |         |     V   |
17+ 0       9.3145      1.43  | Q       |         |         |     V   |
17+ 5       9.3273      1.87  |  Q      |         |         |     V   |
17+10       9.3430      2.27  |   Q     |         |         |     V   |
17+15       9.3591      2.35  |   Q     |         |         |     V   |
17+20       9.3755      2.38  |   Q     |         |         |      V  |
17+25       9.3919      2.38  |   Q     |         |         |      V  |
17+30       9.4083      2.38  |   Q     |         |         |      V  |
17+35       9.4246      2.38  |   Q     |         |         |      V  |
17+40       9.4410      2.38  |   Q     |         |         |      V  |
17+45       9.4574      2.38  |   Q     |         |         |      V  |
17+50       9.4723      2.16  |   Q     |         |         |      V  |
17+55       9.4858      1.96  |  Q      |         |         |      V  |
18+ 0       9.4990      1.92  |  Q      |         |         |      V  |
18+ 5       9.5121      1.90  |  Q      |         |         |      V  |
18+10       9.5252      1.90  |  Q      |         |         |      V  |
18+15       9.5383      1.90  |  Q      |         |         |      V  |
18+20       9.5514      1.90  |  Q      |         |         |      V  |
18+25       9.5645      1.90  |  Q      |         |         |      V  |
18+30       9.5776      1.90  |  Q      |         |         |      V  |
18+35       9.5892      1.68  |  Q      |         |         |      V  |
18+40       9.5994      1.48  | Q       |         |         |      V  |
18+45       9.6093      1.44  | Q       |         |         |      V  |
18+50       9.6177      1.21  | Q       |         |         |      V  |
18+55       9.6246      1.01  | Q       |         |         |       V |
19+ 0       9.6312      0.97  |Q        |         |         |       V |
19+ 5       9.6393      1.17  | Q       |         |         |       V |
19+10       9.6488      1.37  | Q       |         |         |       V |
19+15       9.6585      1.41  | Q       |         |         |       V |
19+20       9.6698      1.65  |  Q      |         |         |       V |
19+25       9.6826      1.85  |  Q      |         |         |       V |
19+30       9.6955      1.89  |  Q      |         |         |       V |
19+35       9.7071      1.68  |  Q      |         |         |       V |
19+40       9.7173      1.48  | Q       |         |         |       V |
19+45       9.7273      1.44  | Q       |         |         |       V |
19+50       9.7356      1.21  | Q       |         |         |       V |
19+55       9.7425      1.01  | Q       |         |         |       V |
20+ 0       9.7492      0.97  |Q        |         |         |       V |
20+ 5       9.7573      1.17  | Q       |         |         |       V |
20+10       9.7667      1.37  | Q       |         |         |       V |
20+15       9.7764      1.41  | Q       |         |         |       V |
20+20       9.7863      1.43  | Q       |         |         |       V |
20+25       9.7961      1.43  | Q       |         |         |       V |
20+30       9.8059      1.43  | Q       |         |         |       V |
20+35       9.8157      1.43  | Q       |         |         |       V |
20+40       9.8256      1.43  | Q       |         |         |       V |
20+45       9.8354      1.43  | Q       |         |         |       V |
20+50       9.8437      1.21  | Q       |         |         |       V |
20+55       9.8506      1.01  | Q       |         |         |       V |
21+ 0       9.8573      0.97  |Q        |         |         |       V |
21+ 5       9.8654      1.17  | Q       |         |         |       V |
21+10       9.8748      1.37  | Q       |         |         |        V|
21+15       9.8845      1.41  | Q       |         |         |        V|
21+20       9.8928      1.21  | Q       |         |         |        V|
21+25       9.8998      1.01  | Q       |         |         |        V|
21+30       9.9064      0.97  |Q        |         |         |        V|
21+35       9.9145      1.17  | Q       |         |         |        V|
21+40       9.9240      1.37  | Q       |         |         |        V|
21+45       9.9337      1.41  | Q       |         |         |        V|
21+50       9.9420      1.21  | Q       |         |         |        V|
21+55       9.9489      1.01  | Q       |         |         |        V|
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  22+ 0       9.9556      0.97  |Q        |         |         |        V|
  22+ 5       9.9637      1.17  | Q       |         |         |        V|
  22+10       9.9731      1.37  | Q       |         |         |        V|
  22+15       9.9828      1.41  | Q       |         |         |        V|
  22+20       9.9911      1.21  | Q       |         |         |        V|
  22+25       9.9981      1.01  | Q       |         |         |        V|
  22+30      10.0047      0.97  |Q        |         |         |        V|
  22+35      10.0113      0.95  |Q        |         |         |        V|
  22+40      10.0178      0.95  |Q        |         |         |        V|
  22+45      10.0244      0.95  |Q        |         |         |        V|
  22+50      10.0309      0.95  |Q        |         |         |        V|
  22+55      10.0375      0.95  |Q        |         |         |        V|
  23+ 0      10.0440      0.95  |Q        |         |         |        V|
  23+ 5      10.0506      0.95  |Q        |         |         |        V|
  23+10      10.0571      0.95  |Q        |         |         |        V|
  23+15      10.0637      0.95  |Q        |         |         |        V|
  23+20      10.0703      0.95  |Q        |         |         |        V|
  23+25      10.0768      0.95  |Q        |         |         |        V|
  23+30      10.0834      0.95  |Q        |         |         |        V|
  23+35      10.0899      0.95  |Q        |         |         |        V|
  23+40      10.0965      0.95  |Q        |         |         |        V|
  23+45      10.1030      0.95  |Q        |         |         |        V|
  23+50      10.1096      0.95  |Q        |         |         |        V|
  23+55      10.1161      0.95  |Q        |         |         |        V|
  24+ 0      10.1227      0.95  |Q        |         |         |        V|
  24+ 5      10.1262      0.51  |Q        |         |         |        V|
  24+10      10.1269      0.11  Q         |         |         |        V|
  24+15      10.1272      0.03  Q         |         |         |         V
-------------------------------------------------------------------------
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ROUTING

DEPTH vs OUTFLOW CALCULATIONS

			HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	WEIR	
		No. of Holes →	**10**	**1**	0	0	0	0	**1**	No. of Weir
			HOLE C	**HOLE C**	HOLE C	HOLE C	HOLE C	HOLE C	WEIR	
		Discharge Coefficient →	**0.6**	**0.6**	0.6	0.6	0.6	0.6	**3.33**	Weir Coefficient
			HOLE FL	**HOLE FL**	HOLE FL	HOLE FL	HOLE FL	HOLE FL	DIST TO WEIR	
		Distance of Holes from Basin Bottom (in) →	**2.5**	**70.5**	74.5	78.5	82.5	86.5	**90**	Distance of Top of Weir from Basin Bottom (in)
			HOLE R	**HOLE R**	HOLE R	HOLE R	HOLE R	HOLE R	WEIR LENGTH FT	
		Rect. Height (in) →	**1**	**3**	2	2	2	2	**20.000**	**Riser Pipe Perimeter (ft) =6'X'4 Riser Pipe- WEIR 1**
		Rect. Width (in) →	**1**	**6**	84	84	84	84		
			CEN EL	**CEN EL**	CEN EL	CEN EL	CEN EL	CEN EL	WEIR ELEV	
		Hole Centerline Elev (ft) →	1179.25	1185	1185.2917	1185.625	1185.9583	1186.29	**1186.5**	Top of Riser Elevation (ft)
ELEV	DEPTH	OUTFLOW								
1179.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1180.00	1	0.29	0.29	0.00	0.00	0.00	0.00	0.00	0.00	
1181.00	2	0.44	0.44	0.00	0.00	0.00	0.00	0.00	0.00	
1182.00	3	0.55	0.55	0.00	0.00	0.00	0.00	0.00	0.00	
1183.00	4	0.65	0.65	0.00	0.00	0.00	0.00	0.00	0.00	
1184.00	5	0.73	0.73	0.00	0.00	0.00	0.00	0.00	0.00	
1185.00	6	0.80	0.80	0.00	0.00	0.00	0.00	0.00	0.00	
1186.00	7	1.47	0.87	0.60	0.00	0.00	0.00	0.00	0.00	
1187.00	8	25.33	0.93	0.85	0.00	0.00	0.00	0.00	23.55	
1188.00	9	124.38	0.99	1.04	0.00	0.00	0.00	0.00	122.35	
1189.00	10	265.51	1.04	1.20	0.00	0.00	0.00	0.00	263.26	

↑ [Σ FLOWS (HOLES+RISER)]

↑ (FLOW OVER TOP OF WEIR 1)

Note:

Orifice outflow is based on:

1. $Q=CA(2gH)^{0.5}$
   where:
   C = Coefficient, 0.6 used here
   A = Orifice Area
   H = Headwater

Weir flow is based on:

2. $Q=CLH^{1.5}$
   where:
   C = Coefficient, 3.3 used here
   L = Weir Length, Grate Perimeter was used here
   H = Headwater

RIO VISTA DEVELOPMENT, TR 37074
BASIN G
With 10@ 1"x1", 1@3"X6" Rectangular Orifice

STORAGE CAPACITY CALCULATION

Elevation (ft)	Contour Interval (ft)	Accumulate Depth (ft)	Area (sqft)	Area (acres)	Mean Area (acres)	Volume (ac-ft)	$Volume_{accumulat}$ (ac-ft)	$Volume_{accumulat}$ (cu-yd)	*Qout (cfs)
1179.00			15507	0.36			**0.0**	0.0	**0.00**
1180.00	1.00	**1.00**	17689	0.41	0.38	0.38	**0.38**	614.74	**0.29**
1181.00	1.00	**2.00**	19971	0.46	0.43	0.43	**0.81**	1312.15	**0.44**
1182.00	1.00	**3.00**	22353	0.51	0.49	0.49	**1.30**	2095.93	**0.55**
1183.00	1.00	**4.00**	24836	0.57	0.54	0.54	**1.84**	2969.80	**0.65**
1184.00	1.00	**5.00**	27420	0.63	0.60	0.60	**2.44**	3937.50	**0.73**
1185.00	1.00	**6.00**	30104	0.69	0.66	0.66	**3.10**	5002.76	**0.80**
1186.00	1.00	**7.00**	32889	0.76	0.72	0.72	**3.82**	6169.30	**1.47**
1187.00	1.00	**8.00**	35774	0.82	0.79	0.79	**4.61**	7440.83	**25.33**
1188.00	1.00	**9.00**	41846	0.96	0.89	0.89	**5.50**	8878.24	**124.38**
FREEBOARD 1189.00	**1.00 SPILLWAY CREST**	**10.00**	**32491**	**0.75**	**0.85**	**0.85**	**6.36**	**10254.85**	**265.51**

*** SEE RATING CURVE**

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRG242.rte

**********HYDROGRAPH DATA**********

Number of intervals = 291
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 6.238 (CFS)
Total volume = 3.791 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN G- ROUTING
2YR-24HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 291
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.380	0.290	0.379	0.381
2.000	0.810	0.440	0.808	0.812
3.000	1.300	0.550	1.298	1.302
4.000	1.840	0.650	1.838	1.842
5.000	2.440	0.730	2.437	2.443
6.000	3.100	0.800	3.097	3.103
7.000	3.820	1.470	3.815	3.825
8.000	4.610	25.330	4.523	4.697
9.000	5.500	124.380	5.072	5.928

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 1.6 3.12 4.68 6.24	Depth (Ft.)
0.083	0.17	0.00	0.001	O | | | |	0.00

0.167	0.32	0.00	0.002	OI	|	|	|	0.01
0.250	0.35	0.00	0.005	OI	|	|	|	0.01
0.333	0.45	0.01	0.007	O I	|	|	|	0.02
0.417	0.53	0.01	0.011	O I	|	|	|	0.03
0.500	0.54	0.01	0.014	O I	|	|	|	0.04
0.583	0.55	0.01	0.018	O I	|	|	|	0.05
0.667	0.55	0.02	0.022	O I	|	|	|	0.06
0.750	0.55	0.02	0.025	O I	|	|	|	0.07
0.833	0.64	0.02	0.029	O I	|	|	|	0.08
0.917	0.71	0.03	0.034	O I	|	|	|	0.09
1.000	0.73	0.03	0.039	O I	|	|	|	0.10
1.083	0.65	0.03	0.043	O I	|	|	|	0.11
1.167	0.57	0.04	0.047	O I	|	|	|	0.12
1.250	0.56	0.04	0.051	O I	|	|	|	0.13
1.333	0.55	0.04	0.054	O I	|	|	|	0.14
1.417	0.55	0.04	0.058	O I	|	|	|	0.15
1.500	0.55	0.05	0.061	O I	|	|	|	0.16
1.583	0.55	0.05	0.065	O I	|	|	|	0.17
1.667	0.55	0.05	0.068	O I	|	|	|	0.18
1.750	0.55	0.05	0.071	O I	|	|	|	0.19
1.833	0.64	0.06	0.075	O I	|	|	|	0.20
1.917	0.71	0.06	0.079	O I	|	|	|	0.21
2.000	0.73	0.06	0.084	O I	|	|	|	0.22
2.083	0.73	0.07	0.089	O I	|	|	|	0.23
2.167	0.73	0.07	0.093	O I	|	|	|	0.25
2.250	0.73	0.07	0.098	O I	|	|	|	0.26
2.333	0.73	0.08	0.102	O I	|	|	|	0.27
2.417	0.73	0.08	0.107	O I	|	|	|	0.28
2.500	0.73	0.08	0.111	O I	|	|	|	0.29
2.583	0.82	0.09	0.116	O I	|	|	|	0.31
2.667	0.90	0.09	0.121	O I	|	|	|	0.32
2.750	0.91	0.10	0.127	O I	|	|	|	0.33
2.833	0.92	0.10	0.132	O I	|	|	|	0.35
2.917	0.92	0.11	0.138	O I	|	|	|	0.36
3.000	0.92	0.11	0.144	O I	|	|	|	0.38
3.083	0.92	0.11	0.149	O I	|	|	|	0.39
3.167	0.92	0.12	0.155	O I	|	|	|	0.41
3.250	0.92	0.12	0.160	O I	|	|	|	0.42
3.333	0.92	0.13	0.166	O I	|	|	|	0.44
3.417	0.92	0.13	0.171	O I	|	|	|	0.45
3.500	0.92	0.13	0.176	O I	|	|	|	0.46
3.583	0.92	0.14	0.182	O I	|	|	|	0.48
3.667	0.92	0.14	0.187	O I	|	|	|	0.49
3.750	0.92	0.15	0.192	O I	|	|	|	0.51
3.833	1.00	0.15	0.198	O I	|	|	|	0.52
3.917	1.08	0.16	0.204	O I	|	|	|	0.54
4.000	1.09	0.16	0.211	O I	|	|	|	0.55
4.083	1.10	0.17	0.217	O I	|	|	|	0.57
4.167	1.10	0.17	0.223	O I	|	|	|	0.59
4.250	1.10	0.18	0.230	O I	|	|	|	0.60
4.333	1.19	0.18	0.236	O I	|	|	|	0.62
4.417	1.26	0.19	0.244	O I	|	|	|	0.64
4.500	1.28	0.19	0.251	O I	|	|	|	0.66
4.583	1.28	0.20	0.259	|O I	|	|	|	0.68
4.667	1.28	0.20	0.266	|O I	|	|	|	0.70
4.750	1.28	0.21	0.273	|O I	|	|	|	0.72
4.833	1.37	0.21	0.281	|O I|	|	|	|	0.74
4.917	1.45	0.22	0.289	|O I|	|	|	|	0.76
5.000	1.46	0.23	0.298	|O I|	|	|	|	0.78
5.083	1.30	0.23	0.306	|O I |	|	|	|	0.80
5.167	1.14	0.24	0.313	|O I |	|	|	|	0.82
5.250	1.11	0.24	0.319	|O I |	|	|	|	0.84
5.333	1.19	0.25	0.325	|O I |	|	|	|	0.85
5.417	1.26	0.25	0.332	|O I |	|	|	|	0.87
5.500	1.28	0.26	0.339	|O I |	|	|	|	0.89
5.583	1.37	0.26	0.346	|O I|	|	|	|	0.91
5.667	1.45	0.27	0.354	|O I|	|	|	|	0.93

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 5.750    1.46    0.28      0.362  |O     I|       |       |       |     0.95
 5.833    1.47    0.28      0.370  |O     I|       |       |       |     0.97
 5.917    1.47    0.29      0.378  |O     I|       |       |       |     1.00
 6.000    1.47    0.29      0.386  |O     I|       |       |       |     1.01
 6.083    1.55    0.30      0.395  |O     I|       |       |       |     1.03
 6.167    1.63    0.30      0.404  |O      I       |       |       |     1.05
 6.250    1.65    0.30      0.413  |O      I       |       |       |     1.08
 6.333    1.65    0.30      0.422  |O      I       |       |       |     1.10
 6.417    1.65    0.31      0.431  |O      I       |       |       |     1.12
 6.500    1.65    0.31      0.441  |O      I       |       |       |     1.14
 6.583    1.74    0.31      0.450  |O      I       |       |       |     1.16
 6.667    1.81    0.32      0.460  |O      |I      |       |       |     1.19
 6.750    1.83    0.32      0.470  |O      |I      |       |       |     1.21
 6.833    1.83    0.33      0.481  |O      |I      |       |       |     1.23
 6.917    1.83    0.33      0.491  |O      |I      |       |       |     1.26
 7.000    1.83    0.33      0.502  |O      |I      |       |       |     1.28
 7.083    1.83    0.34      0.512  |O      |I      |       |       |     1.31
 7.167    1.83    0.34      0.522  |O      |I      |       |       |     1.33
 7.250    1.83    0.34      0.533  |O      |I      |       |       |     1.35
 7.333    1.92    0.35      0.543  |O      |I      |       |       |     1.38
 7.417    2.00    0.35      0.554  |O      | I     |       |       |     1.41
 7.500    2.01    0.35      0.566  |O      | I     |       |       |     1.43
 7.583    2.10    0.36      0.577  |O      | I     |       |       |     1.46
 7.667    2.18    0.36      0.590  |O      |  I    |       |       |     1.49
 7.750    2.20    0.37      0.602  |O      |  I    |       |       |     1.52
 7.833    2.29    0.37      0.615  |O      |  I    |       |       |     1.55
 7.917    2.36    0.38      0.628  |O      |   I   |       |       |     1.58
 8.000    2.38    0.38      0.642  |O      |   I   |       |       |     1.61
 8.083    2.56    0.39      0.656  |O      |    I  |       |       |     1.64
 8.167    2.71    0.39      0.672  | O     |    I  |       |       |     1.68
 8.250    2.74    0.40      0.688  | O     |     I |       |       |     1.72
 8.333    2.75    0.40      0.704  | O     |     I |       |       |     1.75
 8.417    2.75    0.41      0.720  | O     |     I |       |       |     1.79
 8.500    2.75    0.41      0.736  | O     |     I |       |       |     1.83
 8.583    2.84    0.42      0.753  | O     |     I |       |       |     1.87
 8.667    2.91    0.43      0.770  | O     |     I |       |       |     1.91
 8.750    2.93    0.43      0.787  | O     |      I|       |       |     1.95
 8.833    3.02    0.44      0.804  | O     |      I|       |       |     1.99
 8.917    3.10    0.44      0.822  | O     |      I|       |       |     2.03
 9.000    3.11    0.45      0.841  | O     |      I|       |       |     2.06
 9.083    3.29    0.45      0.860  | O     |       I       |       |     2.10
 9.167    3.44    0.46      0.880  | O     |       |I      |       |     2.14
 9.250    3.47    0.46      0.900  | O     |       |I      |       |     2.18
 9.333    3.57    0.47      0.921  | O     |       | I     |       |     2.23
 9.417    3.65    0.47      0.943  | O     |       | I     |       |     2.27
 9.500    3.66    0.47      0.965  | O     |       | I     |       |     2.32
 9.583    3.75    0.48      0.987  | O     |       |  I    |       |     2.36
 9.667    3.83    0.48      1.010  | O     |       |  I    |       |     2.41
 9.750    3.85    0.49      1.033  | O     |       |  I    |       |     2.46
 9.833    3.94    0.50      1.057  | O     |       |   I   |       |     2.50
 9.917    4.02    0.50      1.081  | O     |       |   I   |       |     2.55
10.000    4.03    0.51      1.105  | O     |       |   I   |       |     2.60
10.083    3.44    0.51      1.127  | O     |       |I      |       |     2.65
10.167    2.90    0.52      1.145  | O     |     I |       |       |     2.68
10.250    2.80    0.52      1.161  | O     |     I |       |       |     2.72
10.333    2.75    0.52      1.177  | O     |     I |       |       |     2.75
10.417    2.75    0.53      1.192  | O     |     I |       |       |     2.78
10.500    2.75    0.53      1.208  | O     |     I |       |       |     2.81
10.583    3.18    0.53      1.224  | O     |       I       |       |     2.85
10.667    3.56    0.54      1.244  | O     |       | I     |       |     2.89
10.750    3.64    0.54      1.265  | O     |       | I     |       |     2.93
10.833    3.67    0.55      1.286  | O     |       | I     |       |     2.97
10.917    3.67    0.55      1.308  | O     |       | I     |       |     3.01
11.000    3.67    0.56      1.329  | O     |       | I     |       |     3.05
11.083    3.58    0.56      1.350  | O     |       | I     |       |     3.09
11.167    3.51    0.56      1.371  | O     |       |I      |       |     3.13
11.250    3.49    0.57      1.391  | O     |       |I      |       |     3.17
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11.333    3.49    0.57      1.411   | O     |        |I      |        |      3.21
11.417    3.49    0.57      1.431   | O     |        |I      |        |      3.24
11.500    3.49    0.58      1.451   | O     |        |I      |        |      3.28
11.583    3.32    0.58      1.471   | O     |        |I      |        |      3.32
11.667    3.16    0.59      1.489   |  O    |        I       |        |      3.35
11.750    3.13    0.59      1.507   |  O    |        I       |        |      3.38
11.833    3.20    0.59      1.525   |  O    |        I       |        |      3.42
11.917    3.28    0.59      1.543   |  O    |        I       |        |      3.45
12.000    3.30    0.60      1.561   |  O    |        I       |        |      3.48
12.083    3.90    0.60      1.582   |  O    |        |  I    |        |      3.52
12.167    4.44    0.61      1.606   |  O    |        |     I |        |      3.57
12.250    4.54    0.61      1.633   |  O    |        |      I|        |      3.62
12.333    4.67    0.62      1.661   |  O    |        |      I|        |      3.67
12.417    4.75    0.62      1.689   |  O    |        |       I        |      3.72
12.500    4.76    0.63      1.717   |  O    |        |       I        |      3.77
12.583    4.94    0.63      1.746   |  O    |        |       |I       |      3.83
12.667    5.10    0.64      1.777   |  O    |        |       | I      |      3.88
12.750    5.12    0.64      1.807   |  O    |        |       | I      |      3.94
12.833    5.22    0.65      1.839   |  O    |        |       | I      |      4.00
12.917    5.30    0.65      1.870   |  O    |        |       |  I     |      4.05
13.000    5.31    0.66      1.902   |  O    |        |       |  I     |      4.10
13.083    5.75    0.66      1.936   |  O    |        |       |    I   |      4.16
13.167    6.13    0.67      1.972   |  O    |        |       |      I|      4.22
13.250    6.21    0.67      2.010   |  O    |        |       |      I|      4.28
13.333    6.24    0.68      2.048   |  O    |        |       |       I      4.35
13.417    6.24    0.68      2.087   |  O    |        |       |       I      4.41
13.500    6.24    0.69      2.125   |  O    |        |       |       I      4.47
13.583    5.30    0.69      2.160   |  O    |        |       |  I    |      4.53
13.667    4.45    0.70      2.189   |  O    |        |     I |       |      4.58
13.750    4.29    0.70      2.214   |  O    |        |     I |       |      4.62
13.833    4.22    0.70      2.238   |  O    |        |    I  |       |      4.66
13.917    4.22    0.71      2.263   |  O    |        |    I  |       |      4.70
14.000    4.22    0.71      2.287   |  O    |        |    I  |       |      4.74
14.083    4.56    0.71      2.312   |  O    |        |      I|       |      4.79
14.167    4.87    0.72      2.340   |  O    |        |       I       |      4.83
14.250    4.93    0.72      2.368   |  O    |        |       |I      |      4.88
14.333    4.87    0.72      2.397   |  O    |        |       I       |      4.93
14.417    4.79    0.73      2.425   |  O    |        |       I       |      4.98
14.500    4.78    0.73      2.453   |  O    |        |       I       |      5.02
14.583    4.77    0.73      2.481   |  O    |        |       I       |      5.06
14.667    4.77    0.74      2.509   |  O    |        |       I       |      5.10
14.750    4.77    0.74      2.537   |  O    |        |       I       |      5.15
14.833    4.69    0.74      2.564   |  O    |        |       I       |      5.19
14.917    4.61    0.75      2.591   |  O    |        |      I|       |      5.23
15.000    4.59    0.75      2.618   |  O    |        |      I|       |      5.27
15.083    4.50    0.75      2.644   |  O    |        |      I|       |      5.31
15.167    4.42    0.75      2.669   |  O    |        |     I |       |      5.35
15.250    4.41    0.76      2.695   |  O    |        |     I |       |      5.39
15.333    4.32    0.76      2.719   |  O    |        |     I |       |      5.42
15.417    4.24    0.76      2.744   |  O    |        |    I  |       |      5.46
15.500    4.23    0.76      2.768   |  O    |        |    I  |       |      5.50
15.583    3.88    0.77      2.790   |  O    |        |  I    |       |      5.53
15.667    3.57    0.77      2.811   |  O    |        | I     |       |      5.56
15.750    3.51    0.77      2.830   |  O    |        | I     |       |      5.59
15.833    3.49    0.77      2.848   |  O    |        |I      |       |      5.62
15.917    3.49    0.78      2.867   |  O    |        |I      |       |      5.65
16.000    3.49    0.78      2.886   |  O    |        |I      |       |      5.68
16.083    2.21    0.78      2.900   |  O    |  I     |       |       |      5.70
16.167    1.05    0.78      2.906   |  O I  |        |       |       |      5.71
16.250    0.83    0.78      2.907   |  OI   |        |       |       |      5.71
16.333    0.73    0.78      2.907   |  O    |        |       |       |      5.71
16.417    0.73    0.78      2.907   |  O    |        |       |       |      5.71
16.500    0.73    0.78      2.906   |  O    |        |       |       |      5.71
16.583    0.65    0.78      2.906   |  O    |        |       |       |      5.71
16.667    0.57    0.78      2.905   | IO    |        |       |       |      5.70
16.750    0.56    0.78      2.903   | IO    |        |       |       |      5.70
16.833    0.55    0.78      2.902   | IO    |        |       |       |      5.70
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16.917	0.55	0.78	2.900	IO				5.70
17.000	0.55	0.78	2.898	IO				5.69
17.083	0.72	0.78	2.897	O				5.69
17.167	0.87	0.78	2.898	OI				5.69
17.250	0.90	0.78	2.898	OI				5.69
17.333	0.92	0.78	2.899	OI				5.70
17.417	0.92	0.78	2.900	OI				5.70
17.500	0.92	0.78	2.901	OI				5.70
17.583	0.92	0.78	2.902	OI				5.70
17.667	0.92	0.78	2.903	OI				5.70
17.750	0.92	0.78	2.904	OI				5.70
17.833	0.83	0.78	2.905	OI				5.70
17.917	0.76	0.78	2.905	O				5.70
18.000	0.74	0.78	2.905	O				5.70
18.083	0.73	0.78	2.904	O				5.70
18.167	0.73	0.78	2.904	O				5.70
18.250	0.73	0.78	2.904	O				5.70
18.333	0.73	0.78	2.903	O				5.70
18.417	0.73	0.78	2.903	O				5.70
18.500	0.73	0.78	2.903	O				5.70
18.583	0.65	0.78	2.902	O				5.70
18.667	0.57	0.78	2.901	IO				5.70
18.750	0.56	0.78	2.899	IO				5.70
18.833	0.47	0.78	2.898	IO				5.69
18.917	0.39	0.78	2.895	I O				5.69
19.000	0.37	0.78	2.892	I O				5.69
19.083	0.45	0.78	2.890	IO				5.68
19.167	0.53	0.78	2.888	IO				5.68
19.250	0.54	0.78	2.886	IO				5.68
19.333	0.64	0.78	2.885	O				5.67
19.417	0.71	0.78	2.884	O				5.67
19.500	0.73	0.78	2.884	O				5.67
19.583	0.65	0.78	2.883	O				5.67
19.667	0.57	0.78	2.882	IO				5.67
19.750	0.56	0.78	2.881	IO				5.67
19.833	0.47	0.78	2.879	IO				5.67
19.917	0.39	0.78	2.876	I O				5.66
20.000	0.37	0.78	2.874	I O				5.66
20.083	0.45	0.78	2.871	IO				5.65
20.167	0.53	0.78	2.869	IO				5.65
20.250	0.54	0.78	2.868	IO				5.65
20.333	0.55	0.78	2.866	IO				5.65
20.417	0.55	0.78	2.865	IO				5.64
20.500	0.55	0.77	2.863	IO				5.64
20.583	0.55	0.77	2.861	IO				5.64
20.667	0.55	0.77	2.860	IO				5.64
20.750	0.55	0.77	2.858	IO				5.63
20.833	0.47	0.77	2.857	IO				5.63
20.917	0.39	0.77	2.854	I O				5.63
21.000	0.37	0.77	2.851	I O				5.62
21.083	0.45	0.77	2.849	IO				5.62
21.167	0.53	0.77	2.847	IO				5.62
21.250	0.54	0.77	2.845	IO				5.61
21.333	0.47	0.77	2.844	IO				5.61
21.417	0.39	0.77	2.841	I O				5.61
21.500	0.37	0.77	2.838	I O				5.60
21.583	0.45	0.77	2.836	IO				5.60
21.667	0.53	0.77	2.834	IO				5.60
21.750	0.54	0.77	2.832	IO				5.59
21.833	0.47	0.77	2.831	IO				5.59
21.917	0.39	0.77	2.828	I O				5.59
22.000	0.37	0.77	2.826	I O				5.58
22.083	0.45	0.77	2.823	IO				5.58
22.167	0.53	0.77	2.821	IO				5.58
22.250	0.54	0.77	2.820	IO				5.58
22.333	0.47	0.77	2.818	IO				5.57
22.417	0.39	0.77	2.815	I O				5.57

22.500	0.37	0.77	2.813	I O				5.56
22.583	0.37	0.77	2.810	I O				5.56
22.667	0.37	0.77	2.807	I O				5.56
22.750	0.37	0.77	2.804	I O				5.55
22.833	0.37	0.77	2.802	I O				5.55
22.917	0.37	0.77	2.799	I O				5.54
23.000	0.37	0.77	2.796	I O				5.54
23.083	0.37	0.77	2.793	I O				5.54
23.167	0.37	0.77	2.791	I O				5.53
23.250	0.37	0.77	2.788	I O				5.53
23.333	0.37	0.77	2.785	I O				5.52
23.417	0.37	0.77	2.782	I O				5.52
23.500	0.37	0.77	2.780	I O				5.51
23.583	0.37	0.77	2.777	I O				5.51
23.667	0.37	0.77	2.774	I O				5.51
23.750	0.37	0.77	2.771	I O				5.50
23.833	0.37	0.76	2.769	I O				5.50
23.917	0.37	0.76	2.766	I O				5.49
24.000	0.37	0.76	2.763	I O				5.49
24.083	0.20	0.76	2.760	I O				5.48
24.167	0.04	0.76	2.755	I O				5.48
24.250	0.01	0.76	2.750	I O				5.47
24.333	0.00	0.76	2.745	I O				5.46
24.417	0.00	0.76	2.740	I O				5.45
24.500	0.00	0.76	2.735	I O				5.45
24.583	0.00	0.76	2.729	I O				5.44
24.667	0.00	0.76	2.724	I O				5.43
24.750	0.00	0.76	2.719	I O				5.42
24.833	0.00	0.76	2.714	I O				5.41
24.917	0.00	0.76	2.708	I O				5.41
25.000	0.00	0.76	2.703	I O				5.40
25.083	0.00	0.76	2.698	I O				5.39
25.167	0.00	0.76	2.693	I O				5.38
25.250	0.00	0.76	2.688	I O				5.38
25.333	0.00	0.76	2.682	I O				5.37
25.417	0.00	0.76	2.677	I O				5.36
25.500	0.00	0.75	2.672	I O				5.35
25.583	0.00	0.75	2.667	I O				5.34
25.667	0.00	0.75	2.662	I O				5.34
25.750	0.00	0.75	2.656	I O				5.33
25.833	0.00	0.75	2.651	I O				5.32
25.917	0.00	0.75	2.646	I O				5.31
26.000	0.00	0.75	2.641	I O				5.30
26.083	0.00	0.75	2.636	I O				5.30
26.167	0.00	0.75	2.630	I O				5.29
26.250	0.00	0.75	2.625	I O				5.28
26.333	0.00	0.75	2.620	I O				5.27
26.417	0.00	0.75	2.615	I O				5.27
26.500	0.00	0.75	2.610	I O				5.26
26.583	0.00	0.75	2.605	I O				5.25
26.667	0.00	0.75	2.600	I O				5.24
26.750	0.00	0.75	2.594	I O				5.23
26.833	0.00	0.75	2.589	I O				5.23
26.917	0.00	0.75	2.584	I O				5.22
27.000	0.00	0.74	2.579	I O				5.21
27.083	0.00	0.74	2.574	I O				5.20
27.167	0.00	0.74	2.569	I O				5.20
27.250	0.00	0.74	2.564	I O				5.19
27.333	0.00	0.74	2.559	I O				5.18
27.417	0.00	0.74	2.553	I O				5.17
27.500	0.00	0.74	2.548	I O				5.16
27.583	0.00	0.74	2.543	I O				5.16
27.667	0.00	0.74	2.538	I O				5.15
27.750	0.00	0.74	2.533	I O				5.14
27.833	0.00	0.74	2.528	I O				5.13
27.917	0.00	0.74	2.523	I O				5.13
28.000	0.00	0.74	2.518	I O				5.12

28.083	0.00	0.74	2.513	I	O	|	|	|	|	5.11
28.167	0.00	0.74	2.508	I	O	|	|	|	|	5.10
28.250	0.00	0.74	2.502	I	O	|	|	|	|	5.09
28.333	0.00	0.74	2.497	I	O	|	|	|	|	5.09
28.417	0.00	0.74	2.492	I	O	|	|	|	|	5.08
28.500	0.00	0.74	2.487	I	O	|	|	|	|	5.07
28.583	0.00	0.73	2.482	I	O	|	|	|	|	5.06
28.667	0.00	0.73	2.477	I	O	|	|	|	|	5.06
28.750	0.00	0.73	2.472	I	O	|	|	|	|	5.05
28.833	0.00	0.73	2.467	I	O	|	|	|	|	5.04
28.917	0.00	0.73	2.462	I	O	|	|	|	|	5.03
29.000	0.00	0.73	2.457	I	O	|	|	|	|	5.03
29.083	0.00	0.73	2.452	I	O	|	|	|	|	5.02
29.167	0.00	0.73	2.447	I	O	|	|	|	|	5.01
29.250	0.00	0.73	2.442	I	O	|	|	|	|	5.00
29.333	0.00	0.73	2.437	I	O	|	|	|	|	4.99
29.417	0.00	0.73	2.432	I	O	|	|	|	|	4.99
29.500	0.00	0.73	2.427	I	O	|	|	|	|	4.98
29.583	0.00	0.73	2.422	I	O	|	|	|	|	4.97
29.667	0.00	0.73	2.417	I	O	|	|	|	|	4.96
29.750	0.00	0.73	2.412	I	O	|	|	|	|	4.95
29.833	0.00	0.73	2.407	I	O	|	|	|	|	4.94
29.917	0.00	0.72	2.402	I	O	|	|	|	|	4.94
30.000	0.00	0.72	2.397	I	O	|	|	|	|	4.93
30.083	0.00	0.72	2.392	I	O	|	|	|	|	4.92
30.167	0.00	0.72	2.387	I	O	|	|	|	|	4.91
30.250	0.00	0.72	2.382	I	O	|	|	|	|	4.90
30.333	0.00	0.72	2.377	I	O	|	|	|	|	4.89
30.417	0.00	0.72	2.372	I	O	|	|	|	|	4.89
30.500	0.00	0.72	2.367	I	O	|	|	|	|	4.88
30.583	0.00	0.72	2.362	I	O	|	|	|	|	4.87
30.667	0.00	0.72	2.357	I	O	|	|	|	|	4.86
30.750	0.00	0.72	2.352	I	O	|	|	|	|	4.85
30.833	0.00	0.72	2.347	I	O	|	|	|	|	4.85
30.917	0.00	0.72	2.342	I	O	|	|	|	|	4.84
31.000	0.00	0.72	2.337	I	O	|	|	|	|	4.83
31.083	0.00	0.72	2.332	I	O	|	|	|	|	4.82
31.167	0.00	0.71	2.327	I	O	|	|	|	|	4.81
31.250	0.00	0.71	2.322	I	O	|	|	|	|	4.80
31.333	0.00	0.71	2.318	I	O	|	|	|	|	4.80
31.417	0.00	0.71	2.313	I	O	|	|	|	|	4.79
31.500	0.00	0.71	2.308	I	O	|	|	|	|	4.78
31.583	0.00	0.71	2.303	I	O	|	|	|	|	4.77
31.667	0.00	0.71	2.298	I	O	|	|	|	|	4.76
31.750	0.00	0.71	2.293	I	O	|	|	|	|	4.76
31.833	0.00	0.71	2.288	I	O	|	|	|	|	4.75
31.917	0.00	0.71	2.283	I	O	|	|	|	|	4.74
32.000	0.00	0.71	2.278	I	O	|	|	|	|	4.73
32.083	0.00	0.71	2.274	I	O	|	|	|	|	4.72
32.167	0.00	0.71	2.269	I	O	|	|	|	|	4.71
32.250	0.00	0.71	2.264	I	O	|	|	|	|	4.71
32.333	0.00	0.71	2.259	I	O	|	|	|	|	4.70
32.417	0.00	0.71	2.254	I	O	|	|	|	|	4.69
32.500	0.00	0.70	2.249	I	O	|	|	|	|	4.68
32.583	0.00	0.70	2.244	I	O	|	|	|	|	4.67
32.667	0.00	0.70	2.240	I	O	|	|	|	|	4.67
32.750	0.00	0.70	2.235	I	O	|	|	|	|	4.66
32.833	0.00	0.70	2.230	I	O	|	|	|	|	4.65
32.917	0.00	0.70	2.225	I	O	|	|	|	|	4.64
33.000	0.00	0.70	2.220	I	O	|	|	|	|	4.63
33.083	0.00	0.70	2.215	I	O	|	|	|	|	4.63
33.167	0.00	0.70	2.211	I	O	|	|	|	|	4.62
33.250	0.00	0.70	2.206	I	O	|	|	|	|	4.61
33.333	0.00	0.70	2.201	I	O	|	|	|	|	4.60
33.417	0.00	0.70	2.196	I	O	|	|	|	|	4.59
33.500	0.00	0.70	2.191	I	O	|	|	|	|	4.59
33.583	0.00	0.70	2.186	I	O	|	|	|	|	4.58

33.667	0.00	0.70	2.182	I	O	|	|	|	|	4.57
33.750	0.00	0.69	2.177	I	O	|	|	|	|	4.56
33.833	0.00	0.69	2.172	I	O	|	|	|	|	4.55
33.917	0.00	0.69	2.167	I	O	|	|	|	|	4.55
34.000	0.00	0.69	2.163	I	O	|	|	|	|	4.54
34.083	0.00	0.69	2.158	I	O	|	|	|	|	4.53
34.167	0.00	0.69	2.153	I	O	|	|	|	|	4.52
34.250	0.00	0.69	2.148	I	O	|	|	|	|	4.51
34.333	0.00	0.69	2.144	I	O	|	|	|	|	4.51
34.417	0.00	0.69	2.139	I	O	|	|	|	|	4.50
34.500	0.00	0.69	2.134	I	O	|	|	|	|	4.49
34.583	0.00	0.69	2.129	I	O	|	|	|	|	4.48
34.667	0.00	0.69	2.125	I	O	|	|	|	|	4.47
34.750	0.00	0.69	2.120	I	O	|	|	|	|	4.47
34.833	0.00	0.69	2.115	I	O	|	|	|	|	4.46
34.917	0.00	0.69	2.110	I	O	|	|	|	|	4.45
35.000	0.00	0.69	2.106	I	O	|	|	|	|	4.44
35.083	0.00	0.68	2.101	I	O	|	|	|	|	4.43
35.167	0.00	0.68	2.096	I	O	|	|	|	|	4.43
35.250	0.00	0.68	2.091	I	O	|	|	|	|	4.42
35.333	0.00	0.68	2.087	I	O	|	|	|	|	4.41
35.417	0.00	0.68	2.082	I	O	|	|	|	|	4.40
35.500	0.00	0.68	2.077	I	O	|	|	|	|	4.40
35.583	0.00	0.68	2.073	I	O	|	|	|	|	4.39
35.667	0.00	0.68	2.068	I	O	|	|	|	|	4.38
35.750	0.00	0.68	2.063	I	O	|	|	|	|	4.37
35.833	0.00	0.68	2.059	I	O	|	|	|	|	4.36
35.917	0.00	0.68	2.054	I	O	|	|	|	|	4.36
36.000	0.00	0.68	2.049	I	O	|	|	|	|	4.35
36.083	0.00	0.68	2.045	I	O	|	|	|	|	4.34
36.167	0.00	0.68	2.040	I	O	|	|	|	|	4.33
36.250	0.00	0.68	2.035	I	O	|	|	|	|	4.33
36.333	0.00	0.68	2.031	I	O	|	|	|	|	4.32
36.417	0.00	0.67	2.026	I	O	|	|	|	|	4.31
36.500	0.00	0.67	2.021	I	O	|	|	|	|	4.30
36.583	0.00	0.67	2.017	I	O	|	|	|	|	4.29
36.667	0.00	0.67	2.012	I	O	|	|	|	|	4.29
36.750	0.00	0.67	2.007	I	O	|	|	|	|	4.28
36.833	0.00	0.67	2.003	I	O	|	|	|	|	4.27
36.917	0.00	0.67	1.998	I	O	|	|	|	|	4.26
37.000	0.00	0.67	1.994	I	O	|	|	|	|	4.26
37.083	0.00	0.67	1.989	I	O	|	|	|	|	4.25
37.167	0.00	0.67	1.984	I	O	|	|	|	|	4.24
37.250	0.00	0.67	1.980	I	O	|	|	|	|	4.23
37.333	0.00	0.67	1.975	I	O	|	|	|	|	4.23
37.417	0.00	0.67	1.971	I	O	|	|	|	|	4.22
37.500	0.00	0.67	1.966	I	O	|	|	|	|	4.21
37.583	0.00	0.67	1.961	I	O	|	|	|	|	4.20
37.667	0.00	0.67	1.957	I	O	|	|	|	|	4.19
37.750	0.00	0.66	1.952	I	O	|	|	|	|	4.19
37.833	0.00	0.66	1.948	I	O	|	|	|	|	4.18
37.917	0.00	0.66	1.943	I	O	|	|	|	|	4.17
38.000	0.00	0.66	1.938	I	O	|	|	|	|	4.16
38.083	0.00	0.66	1.934	I	O	|	|	|	|	4.16
38.167	0.00	0.66	1.929	I	O	|	|	|	|	4.15
38.250	0.00	0.66	1.925	I	O	|	|	|	|	4.14
38.333	0.00	0.66	1.920	I	O	|	|	|	|	4.13
38.417	0.00	0.66	1.916	I	O	|	|	|	|	4.13
38.500	0.00	0.66	1.911	I	O	|	|	|	|	4.12
38.583	0.00	0.66	1.907	I	O	|	|	|	|	4.11
38.667	0.00	0.66	1.902	I	O	|	|	|	|	4.10
38.750	0.00	0.66	1.898	I	O	|	|	|	|	4.10
38.833	0.00	0.66	1.893	I	O	|	|	|	|	4.09
38.917	0.00	0.66	1.888	I	O	|	|	|	|	4.08
39.000	0.00	0.66	1.884	I	O	|	|	|	|	4.07
39.083	0.00	0.66	1.879	I	O	|	|	|	|	4.07
39.167	0.00	0.65	1.875	I	O	|	|	|	|	4.06

39.250	0.00	0.65	1.870	I	O	|	|	|	|	4.05
39.333	0.00	0.65	1.866	I	O	|	|	|	|	4.04
39.417	0.00	0.65	1.861	I	O	|	|	|	|	4.04
39.500	0.00	0.65	1.857	I	O	|	|	|	|	4.03
39.583	0.00	0.65	1.852	I	O	|	|	|	|	4.02
39.667	0.00	0.65	1.848	I	O	|	|	|	|	4.01
39.750	0.00	0.65	1.843	I	O	|	|	|	|	4.01
39.833	0.00	0.65	1.839	I	O	|	|	|	|	4.00
39.917	0.00	0.65	1.835	I	O	|	|	|	|	3.99
40.000	0.00	0.65	1.830	I	O	|	|	|	|	3.98
40.083	0.00	0.65	1.826	I	O	|	|	|	|	3.97
40.167	0.00	0.65	1.821	I	O	|	|	|	|	3.97
40.250	0.00	0.65	1.817	I	O	|	|	|	|	3.96
40.333	0.00	0.64	1.812	I	O	|	|	|	|	3.95
40.417	0.00	0.64	1.808	I	O	|	|	|	|	3.94
40.500	0.00	0.64	1.803	I	O	|	|	|	|	3.93
40.583	0.00	0.64	1.799	I	O	|	|	|	|	3.92
40.667	0.00	0.64	1.795	I	O	|	|	|	|	3.92
40.750	0.00	0.64	1.790	I	O	|	|	|	|	3.91
40.833	0.00	0.64	1.786	I	O	|	|	|	|	3.90
40.917	0.00	0.64	1.781	I	O	|	|	|	|	3.89
41.000	0.00	0.64	1.777	I	O	|	|	|	|	3.88
41.083	0.00	0.64	1.772	I	O	|	|	|	|	3.87
41.167	0.00	0.64	1.768	I	O	|	|	|	|	3.87
41.250	0.00	0.64	1.764	I	O	|	|	|	|	3.86
41.333	0.00	0.64	1.759	I	O	|	|	|	|	3.85
41.417	0.00	0.63	1.755	I	O	|	|	|	|	3.84
41.500	0.00	0.63	1.751	I	O	|	|	|	|	3.83
41.583	0.00	0.63	1.746	I	O	|	|	|	|	3.83
41.667	0.00	0.63	1.742	I	O	|	|	|	|	3.82
41.750	0.00	0.63	1.738	I	O	|	|	|	|	3.81
41.833	0.00	0.63	1.733	I	O	|	|	|	|	3.80
41.917	0.00	0.63	1.729	I	O	|	|	|	|	3.79
42.000	0.00	0.63	1.725	I	O	|	|	|	|	3.79
42.083	0.00	0.63	1.720	I	O	|	|	|	|	3.78
42.167	0.00	0.63	1.716	I	O	|	|	|	|	3.77
42.250	0.00	0.63	1.712	I	O	|	|	|	|	3.76
42.333	0.00	0.63	1.707	I	O	|	|	|	|	3.75
42.417	0.00	0.62	1.703	I	O	|	|	|	|	3.75
42.500	0.00	0.62	1.699	I	O	|	|	|	|	3.74
42.583	0.00	0.62	1.694	I	O	|	|	|	|	3.73
42.667	0.00	0.62	1.690	I	O	|	|	|	|	3.72
42.750	0.00	0.62	1.686	I	O	|	|	|	|	3.71
42.833	0.00	0.62	1.682	I	O	|	|	|	|	3.71
42.917	0.00	0.62	1.677	I	O	|	|	|	|	3.70
43.000	0.00	0.62	1.673	I	O	|	|	|	|	3.69
43.083	0.00	0.62	1.669	I	O	|	|	|	|	3.68
43.167	0.00	0.62	1.664	I	O	|	|	|	|	3.67
43.250	0.00	0.62	1.660	I	O	|	|	|	|	3.67
43.333	0.00	0.62	1.656	I	O	|	|	|	|	3.66
43.417	0.00	0.62	1.652	I	O	|	|	|	|	3.65
43.500	0.00	0.61	1.647	I	O	|	|	|	|	3.64
43.583	0.00	0.61	1.643	I	O	|	|	|	|	3.64
43.667	0.00	0.61	1.639	I	O	|	|	|	|	3.63
43.750	0.00	0.61	1.635	I	O	|	|	|	|	3.62
43.833	0.00	0.61	1.631	I	O	|	|	|	|	3.61
43.917	0.00	0.61	1.626	I	O	|	|	|	|	3.60
44.000	0.00	0.61	1.622	I	O	|	|	|	|	3.60
44.083	0.00	0.61	1.618	I	O	|	|	|	|	3.59
44.167	0.00	0.61	1.614	I	O	|	|	|	|	3.58
44.250	0.00	0.61	1.610	I	O	|	|	|	|	3.57
44.333	0.00	0.61	1.605	I	O	|	|	|	|	3.57
44.417	0.00	0.61	1.601	I	O	|	|	|	|	3.56
44.500	0.00	0.61	1.597	I	O	|	|	|	|	3.55
44.583	0.00	0.60	1.593	I	O	|	|	|	|	3.54
44.667	0.00	0.60	1.589	I	O	|	|	|	|	3.53
44.750	0.00	0.60	1.585	I	O	|	|	|	|	3.53

44.833	0.00	0.60	1.580	I O	|	|	|	3.52
44.917	0.00	0.60	1.576	I O	|	|	|	3.51
45.000	0.00	0.60	1.572	I O	|	|	|	3.50
45.083	0.00	0.60	1.568	I O	|	|	|	3.50
45.167	0.00	0.60	1.564	I O	|	|	|	3.49
45.250	0.00	0.60	1.560	I O	|	|	|	3.48
45.333	0.00	0.60	1.556	I O	|	|	|	3.47
45.417	0.00	0.60	1.552	I O	|	|	|	3.47
45.500	0.00	0.60	1.547	I O	|	|	|	3.46
45.583	0.00	0.60	1.543	I O	|	|	|	3.45
45.667	0.00	0.59	1.539	I O	|	|	|	3.44
45.750	0.00	0.59	1.535	I O	|	|	|	3.44
45.833	0.00	0.59	1.531	I O	|	|	|	3.43
45.917	0.00	0.59	1.527	I O	|	|	|	3.42
46.000	0.00	0.59	1.523	I O	|	|	|	3.41
46.083	0.00	0.59	1.519	I O	|	|	|	3.41
46.167	0.00	0.59	1.515	I O	|	|	|	3.40
46.250	0.00	0.59	1.511	I O	|	|	|	3.39
46.333	0.00	0.59	1.507	I O	|	|	|	3.38
46.417	0.00	0.59	1.503	I O	|	|	|	3.38
46.500	0.00	0.59	1.499	I O	|	|	|	3.37
46.583	0.00	0.59	1.495	I O	|	|	|	3.36
46.667	0.00	0.59	1.491	I O	|	|	|	3.35
46.750	0.00	0.58	1.487	I O	|	|	|	3.35
46.833	0.00	0.58	1.482	I O	|	|	|	3.34
46.917	0.00	0.58	1.478	I O	|	|	|	3.33
47.000	0.00	0.58	1.474	I O	|	|	|	3.32
47.083	0.00	0.58	1.470	I O	|	|	|	3.32
47.167	0.00	0.58	1.466	I O	|	|	|	3.31
47.250	0.00	0.58	1.462	I O	|	|	|	3.30
47.333	0.00	0.58	1.458	I O	|	|	|	3.29
47.417	0.00	0.58	1.454	I O	|	|	|	3.29
47.500	0.00	0.58	1.450	I O	|	|	|	3.28
47.583	0.00	0.58	1.447	I O	|	|	|	3.27
47.667	0.00	0.58	1.443	I O	|	|	|	3.26
47.750	0.00	0.58	1.439	I O	|	|	|	3.26
47.833	0.00	0.57	1.435	I O	|	|	|	3.25
47.917	0.00	0.57	1.431	I O	|	|	|	3.24
48.000	0.00	0.57	1.427	I O	|	|	|	3.23
48.083	0.00	0.57	1.423	I O	|	|	|	3.23
48.167	0.00	0.57	1.419	I O	|	|	|	3.22
48.250	0.00	0.57	1.415	I O	|	|	|	3.21
48.333	0.00	0.57	1.411	I O	|	|	|	3.21
48.417	0.00	0.57	1.407	I O	|	|	|	3.20
48.500	0.00	0.57	1.403	I O	|	|	|	3.19
48.583	0.00	0.57	1.399	I O	|	|	|	3.18
48.667	0.00	0.57	1.395	I O	|	|	|	3.18
48.750	0.00	0.57	1.391	I O	|	|	|	3.17
48.833	0.00	0.57	1.387	I O	|	|	|	3.16
48.917	0.00	0.57	1.384	I O	|	|	|	3.15
49.000	0.00	0.56	1.380	I O	|	|	|	3.15
49.083	0.00	0.56	1.376	I O	|	|	|	3.14
49.167	0.00	0.56	1.372	I O	|	|	|	3.13
49.250	0.00	0.56	1.368	I O	|	|	|	3.13
49.333	0.00	0.56	1.364	I O	|	|	|	3.12
49.417	0.00	0.56	1.360	I O	|	|	|	3.11
49.500	0.00	0.56	1.356	I O	|	|	|	3.10
49.583	0.00	0.56	1.353	I O	|	|	|	3.10
49.667	0.00	0.56	1.349	I O	|	|	|	3.09
49.750	0.00	0.56	1.345	I O	|	|	|	3.08
49.833	0.00	0.56	1.341	I O	|	|	|	3.08
49.917	0.00	0.56	1.337	I O	|	|	|	3.07
50.000	0.00	0.56	1.333	I O	|	|	|	3.06
50.083	0.00	0.56	1.330	I O	|	|	|	3.05
50.167	0.00	0.55	1.326	I O	|	|	|	3.05
50.250	0.00	0.55	1.322	I O	|	|	|	3.04
50.333	0.00	0.55	1.318	I O	|	|	|	3.03

50.417	0.00	0.55	1.314	I O	|	|	|	|	3.03
50.500	0.00	0.55	1.310	I O	|	|	|	|	3.02
50.583	0.00	0.55	1.307	I O	|	|	|	|	3.01
50.667	0.00	0.55	1.303	I O	|	|	|	|	3.01
50.750	0.00	0.55	1.299	I O	|	|	|	|	3.00
50.833	0.00	0.55	1.295	I O	|	|	|	|	2.99
50.917	0.00	0.55	1.292	I O	|	|	|	|	2.98
51.000	0.00	0.55	1.288	I O	|	|	|	|	2.97
51.083	0.00	0.55	1.284	I O	|	|	|	|	2.97
51.167	0.00	0.55	1.280	I O	|	|	|	|	2.96
51.250	0.00	0.54	1.276	I O	|	|	|	|	2.95
51.333	0.00	0.54	1.273	I O	|	|	|	|	2.94
51.417	0.00	0.54	1.269	I O	|	|	|	|	2.94
51.500	0.00	0.54	1.265	I O	|	|	|	|	2.93
51.583	0.00	0.54	1.262	I O	|	|	|	|	2.92
51.667	0.00	0.54	1.258	I O	|	|	|	|	2.91
51.750	0.00	0.54	1.254	I O	|	|	|	|	2.91
51.833	0.00	0.54	1.250	I O	|	|	|	|	2.90
51.917	0.00	0.54	1.247	I O	|	|	|	|	2.89
52.000	0.00	0.54	1.243	I O	|	|	|	|	2.88
52.083	0.00	0.54	1.239	I O	|	|	|	|	2.88
52.167	0.00	0.54	1.236	I O	|	|	|	|	2.87
52.250	0.00	0.53	1.232	I O	|	|	|	|	2.86
52.333	0.00	0.53	1.228	I O	|	|	|	|	2.85
52.417	0.00	0.53	1.225	I O	|	|	|	|	2.85
52.500	0.00	0.53	1.221	I O	|	|	|	|	2.84
52.583	0.00	0.53	1.217	I O	|	|	|	|	2.83
52.667	0.00	0.53	1.214	I O	|	|	|	|	2.82
52.750	0.00	0.53	1.210	I O	|	|	|	|	2.82
52.833	0.00	0.53	1.206	I O	|	|	|	|	2.81
52.917	0.00	0.53	1.203	I O	|	|	|	|	2.80
53.000	0.00	0.53	1.199	I O	|	|	|	|	2.79
53.083	0.00	0.53	1.195	I O	|	|	|	|	2.79
53.167	0.00	0.53	1.192	I O	|	|	|	|	2.78
53.250	0.00	0.52	1.188	I O	|	|	|	|	2.77
53.333	0.00	0.52	1.184	I O	|	|	|	|	2.76
53.417	0.00	0.52	1.181	I O	|	|	|	|	2.76
53.500	0.00	0.52	1.177	I O	|	|	|	|	2.75
53.583	0.00	0.52	1.174	I O	|	|	|	|	2.74
53.667	0.00	0.52	1.170	I O	|	|	|	|	2.73
53.750	0.00	0.52	1.166	I O	|	|	|	|	2.73
53.833	0.00	0.52	1.163	I O	|	|	|	|	2.72
53.917	0.00	0.52	1.159	I O	|	|	|	|	2.71
54.000	0.00	0.52	1.156	I O	|	|	|	|	2.71
54.083	0.00	0.52	1.152	I O	|	|	|	|	2.70
54.167	0.00	0.52	1.149	I O	|	|	|	|	2.69
54.250	0.00	0.52	1.145	I O	|	|	|	|	2.68
54.333	0.00	0.51	1.142	I O	|	|	|	|	2.68
54.417	0.00	0.51	1.138	I O	|	|	|	|	2.67
54.500	0.00	0.51	1.134	I O	|	|	|	|	2.66
54.583	0.00	0.51	1.131	I O	|	|	|	|	2.66
54.667	0.00	0.51	1.127	I O	|	|	|	|	2.65
54.750	0.00	0.51	1.124	I O	|	|	|	|	2.64
54.833	0.00	0.51	1.120	I O	|	|	|	|	2.63
54.917	0.00	0.51	1.117	I O	|	|	|	|	2.63
55.000	0.00	0.51	1.113	I O	|	|	|	|	2.62
55.083	0.00	0.51	1.110	I O	|	|	|	|	2.61
55.167	0.00	0.51	1.106	I O	|	|	|	|	2.60
55.250	0.00	0.51	1.103	I O	|	|	|	|	2.60
55.333	0.00	0.50	1.099	I O	|	|	|	|	2.59
55.417	0.00	0.50	1.096	I O	|	|	|	|	2.58
55.500	0.00	0.50	1.092	I O	|	|	|	|	2.58
55.583	0.00	0.50	1.089	I O	|	|	|	|	2.57
55.667	0.00	0.50	1.086	I O	|	|	|	|	2.56
55.750	0.00	0.50	1.082	I O	|	|	|	|	2.56
55.833	0.00	0.50	1.079	I O	|	|	|	|	2.55
55.917	0.00	0.50	1.075	I O	|	|	|	|	2.54

56.000	0.00	0.50	1.072	I O				2.53
56.083	0.00	0.50	1.068	I O				2.53
56.167	0.00	0.50	1.065	I O				2.52
56.250	0.00	0.50	1.062	I O				2.51
56.333	0.00	0.50	1.058	I O				2.51
56.417	0.00	0.49	1.055	I O				2.50
56.500	0.00	0.49	1.051	I O				2.49
56.583	0.00	0.49	1.048	I O				2.49
56.667	0.00	0.49	1.044	I O				2.48
56.750	0.00	0.49	1.041	I O				2.47
56.833	0.00	0.49	1.038	I O				2.46
56.917	0.00	0.49	1.034	I O				2.46
57.000	0.00	0.49	1.031	I O				2.45
57.083	0.00	0.49	1.028	I O				2.44
57.167	0.00	0.49	1.024	I O				2.44
57.250	0.00	0.49	1.021	I O				2.43
57.333	0.00	0.49	1.017	I O				2.42
57.417	0.00	0.49	1.014	I O				2.42
57.500	0.00	0.49	1.011	I O				2.41
57.583	0.00	0.48	1.007	I O				2.40
57.667	0.00	0.48	1.004	I O				2.40
57.750	0.00	0.48	1.001	I O				2.39
57.833	0.00	0.48	0.997	I O				2.38
57.917	0.00	0.48	0.994	I O				2.38
58.000	0.00	0.48	0.991	I O				2.37
58.083	0.00	0.48	0.988	I O				2.36
58.167	0.00	0.48	0.984	I O				2.36
58.250	0.00	0.48	0.981	I O				2.35
58.333	0.00	0.48	0.978	I O				2.34
58.417	0.00	0.48	0.974	I O				2.34
58.500	0.00	0.48	0.971	I O				2.33
58.583	0.00	0.48	0.968	I O				2.32
58.667	0.00	0.47	0.965	I O				2.32
58.750	0.00	0.47	0.961	I O				2.31
58.833	0.00	0.47	0.958	I O				2.30
58.917	0.00	0.47	0.955	I O				2.30
59.000	0.00	0.47	0.952	I O				2.29
59.083	0.00	0.47	0.948	I O				2.28
59.167	0.00	0.47	0.945	I O				2.28
59.250	0.00	0.47	0.942	I O				2.27
59.333	0.00	0.47	0.939	I O				2.26
59.417	0.00	0.47	0.935	I O				2.26
59.500	0.00	0.47	0.932	I O				2.25
59.583	0.00	0.47	0.929	I O				2.24
59.667	0.00	0.47	0.926	I O				2.24
59.750	0.00	0.47	0.922	I O				2.23
59.833	0.00	0.46	0.919	I O				2.22
59.917	0.00	0.46	0.916	I O				2.22
60.000	0.00	0.46	0.913	I O				2.21
60.083	0.00	0.46	0.910	I O				2.20
60.167	0.00	0.46	0.907	I O				2.20
60.250	0.00	0.46	0.903	I O				2.19
60.333	0.00	0.46	0.900	I O				2.18
60.417	0.00	0.46	0.897	I O				2.18
60.500	0.00	0.46	0.894	I O				2.17
60.583	0.00	0.46	0.891	I O				2.16
60.667	0.00	0.46	0.888	I O				2.16
60.750	0.00	0.46	0.884	I O				2.15
60.833	0.00	0.46	0.881	I O				2.15
60.917	0.00	0.46	0.878	I O				2.14
61.000	0.00	0.45	0.875	I O				2.13
61.083	0.00	0.45	0.872	I O				2.13
61.167	0.00	0.45	0.869	I O				2.12
61.250	0.00	0.45	0.866	I O				2.11
61.333	0.00	0.45	0.862	I O				2.11
61.417	0.00	0.45	0.859	I O				2.10
61.500	0.00	0.45	0.856	I O				2.09

61.583	0.00	0.45	0.853	I O	|	|	|	2.09
61.667	0.00	0.45	0.850	I O	|	|	|	2.08
61.750	0.00	0.45	0.847	I O	|	|	|	2.08
61.833	0.00	0.45	0.844	I O	|	|	|	2.07
61.917	0.00	0.45	0.841	I O	|	|	|	2.06
62.000	0.00	0.45	0.838	I O	|	|	|	2.06
62.083	0.00	0.45	0.835	I O	|	|	|	2.05
62.167	0.00	0.44	0.832	I O	|	|	|	2.04
62.250	0.00	0.44	0.829	I O	|	|	|	2.04
62.333	0.00	0.44	0.825	I O	|	|	|	2.03
62.417	0.00	0.44	0.822	I O	|	|	|	2.03
62.500	0.00	0.44	0.819	I O	|	|	|	2.02
62.583	0.00	0.44	0.816	I O	|	|	|	2.01
62.667	0.00	0.44	0.813	I O	|	|	|	2.01
62.750	0.00	0.44	0.810	I O	|	|	|	2.00
62.833	0.00	0.44	0.807	I O	|	|	|	1.99
62.917	0.00	0.44	0.804	I O	|	|	|	1.99
63.000	0.00	0.44	0.801	I O	|	|	|	1.98
63.083	0.00	0.44	0.798	I O	|	|	|	1.97
63.167	0.00	0.43	0.795	I O	|	|	|	1.97
63.250	0.00	0.43	0.792	I O	|	|	|	1.96
63.333	0.00	0.43	0.789	I O	|	|	|	1.95
63.417	0.00	0.43	0.786	I O	|	|	|	1.94
63.500	0.00	0.43	0.783	I O	|	|	|	1.94
63.583	0.00	0.43	0.780	I O	|	|	|	1.93
63.667	0.00	0.43	0.777	I O	|	|	|	1.92
63.750	0.00	0.43	0.774	I O	|	|	|	1.92
63.833	0.00	0.43	0.771	I O	|	|	|	1.91
63.917	0.00	0.43	0.769	I O	|	|	|	1.90
64.000	0.00	0.42	0.766	I O	|	|	|	1.90
64.083	0.00	0.42	0.763	I O	|	|	|	1.89
64.167	0.00	0.42	0.760	I O	|	|	|	1.88
64.250	0.00	0.42	0.757	I O	|	|	|	1.88
64.333	0.00	0.42	0.754	I O	|	|	|	1.87
64.417	0.00	0.42	0.751	I O	|	|	|	1.86
64.500	0.00	0.42	0.748	I O	|	|	|	1.86
64.583	0.00	0.42	0.745	I O	|	|	|	1.85
64.667	0.00	0.42	0.742	I O	|	|	|	1.84
64.750	0.00	0.42	0.740	I O	|	|	|	1.84
64.833	0.00	0.41	0.737	I O	|	|	|	1.83
64.917	0.00	0.41	0.734	I O	|	|	|	1.82
65.000	0.00	0.41	0.731	I O	|	|	|	1.82
65.083	0.00	0.41	0.728	I O	|	|	|	1.81
65.167	0.00	0.41	0.725	I O	|	|	|	1.80
65.250	0.00	0.41	0.723	I O	|	|	|	1.80
65.333	0.00	0.41	0.720	I O	|	|	|	1.79
65.417	0.00	0.41	0.717	I O	|	|	|	1.78
65.500	0.00	0.41	0.714	I O	|	|	|	1.78
65.583	0.00	0.41	0.711	I O	|	|	|	1.77
65.667	0.00	0.40	0.709	I O	|	|	|	1.76
65.750	0.00	0.40	0.706	I O	|	|	|	1.76
65.833	0.00	0.40	0.703	I O	|	|	|	1.75
65.917	0.00	0.40	0.700	I O	|	|	|	1.74
66.000	0.00	0.40	0.697	I O	|	|	|	1.74
66.083	0.00	0.40	0.695	I O	|	|	|	1.73
66.167	0.00	0.40	0.692	I O	|	|	|	1.73
66.250	0.00	0.40	0.689	I O	|	|	|	1.72
66.333	0.00	0.40	0.686	I O	|	|	|	1.71
66.417	0.00	0.40	0.684	I O	|	|	|	1.71
66.500	0.00	0.39	0.681	I O	|	|	|	1.70
66.583	0.00	0.39	0.678	I O	|	|	|	1.69
66.667	0.00	0.39	0.676	I O	|	|	|	1.69
66.750	0.00	0.39	0.673	I O	|	|	|	1.68
66.833	0.00	0.39	0.670	I O	|	|	|	1.67
66.917	0.00	0.39	0.667	I O	|	|	|	1.67
67.000	0.00	0.39	0.665	IO	|	|	|	1.66
67.083	0.00	0.39	0.662	IO	|	|	|	1.66

67.167	0.00	0.39	0.659	IO				1.65
67.250	0.00	0.39	0.657	IO				1.64
67.333	0.00	0.39	0.654	IO				1.64
67.417	0.00	0.38	0.651	IO				1.63
67.500	0.00	0.38	0.649	IO				1.63
67.583	0.00	0.38	0.646	IO				1.62
67.667	0.00	0.38	0.644	IO				1.61
67.750	0.00	0.38	0.641	IO				1.61
67.833	0.00	0.38	0.638	IO				1.60
67.917	0.00	0.38	0.636	IO				1.59
68.000	0.00	0.38	0.633	IO				1.59
68.083	0.00	0.38	0.630	IO				1.58
68.167	0.00	0.38	0.628	IO				1.58
68.250	0.00	0.38	0.625	IO				1.57
68.333	0.00	0.37	0.623	IO				1.56
68.417	0.00	0.37	0.620	IO				1.56
68.500	0.00	0.37	0.618	IO				1.55
68.583	0.00	0.37	0.615	IO				1.55
68.667	0.00	0.37	0.612	IO				1.54
68.750	0.00	0.37	0.610	IO				1.53
68.833	0.00	0.37	0.607	IO				1.53
68.917	0.00	0.37	0.605	IO				1.52
69.000	0.00	0.37	0.602	IO				1.52
69.083	0.00	0.37	0.600	IO				1.51
69.167	0.00	0.37	0.597	IO				1.51
69.250	0.00	0.36	0.595	IO				1.50
69.333	0.00	0.36	0.592	IO				1.49
69.417	0.00	0.36	0.590	IO				1.49
69.500	0.00	0.36	0.587	IO				1.48
69.583	0.00	0.36	0.585	IO				1.48
69.667	0.00	0.36	0.582	IO				1.47
69.750	0.00	0.36	0.580	IO				1.46
69.833	0.00	0.36	0.577	IO				1.46
69.917	0.00	0.36	0.575	IO				1.45
70.000	0.00	0.36	0.572	IO				1.45
70.083	0.00	0.36	0.570	IO				1.44
70.167	0.00	0.36	0.567	IO				1.44
70.250	0.00	0.35	0.565	IO				1.43
70.333	0.00	0.35	0.563	IO				1.42
70.417	0.00	0.35	0.560	IO				1.42
70.500	0.00	0.35	0.558	IO				1.41
70.583	0.00	0.35	0.555	IO				1.41
70.667	0.00	0.35	0.553	IO				1.40
70.750	0.00	0.35	0.550	IO				1.40
70.833	0.00	0.35	0.548	IO				1.39
70.917	0.00	0.35	0.546	IO				1.39
71.000	0.00	0.35	0.543	IO				1.38
71.083	0.00	0.35	0.541	IO				1.37
71.167	0.00	0.35	0.538	IO				1.37
71.250	0.00	0.34	0.536	IO				1.36
71.333	0.00	0.34	0.534	IO				1.36
71.417	0.00	0.34	0.531	IO				1.35
71.500	0.00	0.34	0.529	IO				1.35
71.583	0.00	0.34	0.527	IO				1.34
71.667	0.00	0.34	0.524	IO				1.34
71.750	0.00	0.34	0.522	IO				1.33
71.833	0.00	0.34	0.520	IO				1.32
71.917	0.00	0.34	0.517	IO				1.32
72.000	0.00	0.34	0.515	IO				1.31
72.083	0.00	0.34	0.513	IO				1.31
72.167	0.00	0.34	0.510	IO				1.30
72.250	0.00	0.33	0.508	IO				1.30
72.333	0.00	0.33	0.506	IO				1.29
72.417	0.00	0.33	0.503	IO				1.29
72.500	0.00	0.33	0.501	IO				1.28
72.583	0.00	0.33	0.499	IO				1.28
72.667	0.00	0.33	0.497	IO				1.27

72.750	0.00	0.33	0.494	IO				1.27
72.833	0.00	0.33	0.492	IO				1.26
72.917	0.00	0.33	0.490	IO				1.26
73.000	0.00	0.33	0.487	IO				1.25
73.083	0.00	0.33	0.485	IO				1.24
73.167	0.00	0.33	0.483	IO				1.24
73.250	0.00	0.33	0.481	IO				1.23
73.333	0.00	0.32	0.479	IO				1.23
73.417	0.00	0.32	0.476	IO				1.22
73.500	0.00	0.32	0.474	IO				1.22
73.583	0.00	0.32	0.472	IO				1.21
73.667	0.00	0.32	0.470	IO				1.21
73.750	0.00	0.32	0.467	IO				1.20
73.833	0.00	0.32	0.465	IO				1.20
73.917	0.00	0.32	0.463	IO				1.19
74.000	0.00	0.32	0.461	IO				1.19
74.083	0.00	0.32	0.459	IO				1.18
74.167	0.00	0.32	0.456	IO				1.18
74.250	0.00	0.32	0.454	IO				1.17
74.333	0.00	0.32	0.452	IO				1.17
74.417	0.00	0.31	0.450	IO				1.16
74.500	0.00	0.31	0.448	IO				1.16
74.583	0.00	0.31	0.446	IO				1.15
74.667	0.00	0.31	0.443	IO				1.15
74.750	0.00	0.31	0.441	IO				1.14
74.833	0.00	0.31	0.439	IO				1.14
74.917	0.00	0.31	0.437	IO				1.13
75.000	0.00	0.31	0.435	IO				1.13
75.083	0.00	0.31	0.433	IO				1.12
75.167	0.00	0.31	0.431	IO				1.12
75.250	0.00	0.31	0.429	IO				1.11
75.333	0.00	0.31	0.426	IO				1.11
75.417	0.00	0.31	0.424	IO				1.10
75.500	0.00	0.30	0.422	IO				1.10
75.583	0.00	0.30	0.420	IO				1.09
75.667	0.00	0.30	0.418	IO				1.09
75.750	0.00	0.30	0.416	IO				1.08
75.833	0.00	0.30	0.414	IO				1.08
75.917	0.00	0.30	0.412	IO				1.07
76.000	0.00	0.30	0.410	IO				1.07
76.083	0.00	0.30	0.408	IO				1.06
76.167	0.00	0.30	0.406	IO				1.06
76.250	0.00	0.30	0.404	IO				1.05
76.333	0.00	0.30	0.401	IO				1.05
76.417	0.00	0.30	0.399	IO				1.05
76.500	0.00	0.30	0.397	IO				1.04
76.583	0.00	0.30	0.395	IO				1.04
76.667	0.00	0.29	0.393	IO				1.03
76.750	0.00	0.29	0.391	IO				1.03
76.833	0.00	0.29	0.389	IO				1.02
76.917	0.00	0.29	0.387	IO				1.02
77.000	0.00	0.29	0.385	IO				1.01
77.083	0.00	0.29	0.383	IO				1.01
77.167	0.00	0.29	0.381	IO				1.00
77.250	0.00	0.29	0.379	IO				1.00
77.333	0.00	0.29	0.377	IO				0.99
77.417	0.00	0.29	0.375	IO				0.99
77.500	0.00	0.28	0.373	IO				0.98
77.583	0.00	0.28	0.371	IO				0.98
77.667	0.00	0.28	0.369	IO				0.97
77.750	0.00	0.28	0.367	IO				0.97
77.833	0.00	0.28	0.366	IO				0.96
77.917	0.00	0.28	0.364	IO				0.96
78.000	0.00	0.28	0.362	IO				0.95
78.083	0.00	0.27	0.360	IO				0.95
78.167	0.00	0.27	0.358	IO				0.94
78.250	0.00	0.27	0.356	IO				0.94

78.333	0.00	0.27	0.354	IO	|	|	|	0.93
78.417	0.00	0.27	0.352	IO	|	|	|	0.93
78.500	0.00	0.27	0.350	IO	|	|	|	0.92
78.583	0.00	0.27	0.349	IO	|	|	|	0.92
78.667	0.00	0.26	0.347	IO	|	|	|	0.91
78.750	0.00	0.26	0.345	IO	|	|	|	0.91
78.833	0.00	0.26	0.343	IO	|	|	|	0.90
78.917	0.00	0.26	0.341	IO	|	|	|	0.90
79.000	0.00	0.26	0.340	IO	|	|	|	0.89
79.083	0.00	0.26	0.338	IO	|	|	|	0.89
79.167	0.00	0.26	0.336	IO	|	|	|	0.88
79.250	0.00	0.26	0.334	IO	|	|	|	0.88
79.333	0.00	0.25	0.333	IO	|	|	|	0.88
79.417	0.00	0.25	0.331	IO	|	|	|	0.87
79.500	0.00	0.25	0.329	IO	|	|	|	0.87
79.583	0.00	0.25	0.327	IO	|	|	|	0.86
79.667	0.00	0.25	0.326	IO	|	|	|	0.86
79.750	0.00	0.25	0.324	IO	|	|	|	0.85
79.833	0.00	0.25	0.322	IO	|	|	|	0.85
79.917	0.00	0.24	0.321	IO	|	|	|	0.84
80.000	0.00	0.24	0.319	IO	|	|	|	0.84
80.083	0.00	0.24	0.317	IO	|	|	|	0.83
80.167	0.00	0.24	0.316	IO	|	|	|	0.83
80.250	0.00	0.24	0.314	IO	|	|	|	0.83
80.333	0.00	0.24	0.312	IO	|	|	|	0.82
80.417	0.00	0.24	0.311	IO	|	|	|	0.82
80.500	0.00	0.24	0.309	IO	|	|	|	0.81
80.583	0.00	0.23	0.307	IO	|	|	|	0.81
80.667	0.00	0.23	0.306	IO	|	|	|	0.80
80.750	0.00	0.23	0.304	IO	|	|	|	0.80
80.833	0.00	0.23	0.303	IO	|	|	|	0.80
80.917	0.00	0.23	0.301	IO	|	|	|	0.79
81.000	0.00	0.23	0.299	IO	|	|	|	0.79
81.083	0.00	0.23	0.298	IO	|	|	|	0.78
81.167	0.00	0.23	0.296	IO	|	|	|	0.78
81.250	0.00	0.22	0.295	IO	|	|	|	0.78
81.333	0.00	0.22	0.293	IO	|	|	|	0.77
81.417	0.00	0.22	0.292	IO	|	|	|	0.77
81.500	0.00	0.22	0.290	IO	|	|	|	0.76
81.583	0.00	0.22	0.289	IO	|	|	|	0.76
81.667	0.00	0.22	0.287	IO	|	|	|	0.76
81.750	0.00	0.22	0.286	IO	|	|	|	0.75
81.833	0.00	0.22	0.284	IO	|	|	|	0.75
81.917	0.00	0.22	0.283	IO	|	|	|	0.74
82.000	0.00	0.21	0.281	IO	|	|	|	0.74
82.083	0.00	0.21	0.280	IO	|	|	|	0.74
82.167	0.00	0.21	0.278	IO	|	|	|	0.73
82.250	0.00	0.21	0.277	IO	|	|	|	0.73
82.333	0.00	0.21	0.275	IO	|	|	|	0.72
82.417	0.00	0.21	0.274	IO	|	|	|	0.72
82.500	0.00	0.21	0.272	IO	|	|	|	0.72
82.583	0.00	0.21	0.271	IO	|	|	|	0.71
82.667	0.00	0.21	0.269	IO	|	|	|	0.71
82.750	0.00	0.20	0.268	IO	|	|	|	0.71
82.833	0.00	0.20	0.267	IO	|	|	|	0.70
82.917	0.00	0.20	0.265	IO	|	|	|	0.70
83.000	0.00	0.20	0.264	IO	|	|	|	0.69
83.083	0.00	0.20	0.262	IO	|	|	|	0.69
83.167	0.00	0.20	0.261	IO	|	|	|	0.69
83.250	0.00	0.20	0.260	IO	|	|	|	0.68
83.333	0.00	0.20	0.258	IO	|	|	|	0.68
83.417	0.00	0.20	0.257	IO	|	|	|	0.68
83.500	0.00	0.20	0.256	IO	|	|	|	0.67
83.583	0.00	0.19	0.254	O	|	|	|	0.67
83.667	0.00	0.19	0.253	O	|	|	|	0.67
83.750	0.00	0.19	0.252	O	|	|	|	0.66
83.833	0.00	0.19	0.250	O	|	|	|	0.66

83.917	0.00	0.19	0.249	O	|	|	|	0.66
84.000	0.00	0.19	0.248	O	|	|	|	0.65
84.083	0.00	0.19	0.246	O	|	|	|	0.65
84.167	0.00	0.19	0.245	O	|	|	|	0.65
84.250	0.00	0.19	0.244	O	|	|	|	0.64
84.333	0.00	0.19	0.243	O	|	|	|	0.64
84.417	0.00	0.18	0.241	O	|	|	|	0.64
84.500	0.00	0.18	0.240	O	|	|	|	0.63
84.583	0.00	0.18	0.239	O	|	|	|	0.63
84.667	0.00	0.18	0.238	O	|	|	|	0.63
84.750	0.00	0.18	0.236	O	|	|	|	0.62
84.833	0.00	0.18	0.235	O	|	|	|	0.62
84.917	0.00	0.18	0.234	O	|	|	|	0.62
85.000	0.00	0.18	0.233	O	|	|	|	0.61
85.083	0.00	0.18	0.231	O	|	|	|	0.61
85.167	0.00	0.18	0.230	O	|	|	|	0.61
85.250	0.00	0.17	0.229	O	|	|	|	0.60
85.333	0.00	0.17	0.228	O	|	|	|	0.60
85.417	0.00	0.17	0.227	O	|	|	|	0.60
85.500	0.00	0.17	0.225	O	|	|	|	0.59
85.583	0.00	0.17	0.224	O	|	|	|	0.59
85.667	0.00	0.17	0.223	O	|	|	|	0.59
85.750	0.00	0.17	0.222	O	|	|	|	0.58
85.833	0.00	0.17	0.221	O	|	|	|	0.58
85.917	0.00	0.17	0.220	O	|	|	|	0.58
86.000	0.00	0.17	0.218	O	|	|	|	0.57
86.083	0.00	0.17	0.217	O	|	|	|	0.57
86.167	0.00	0.16	0.216	O	|	|	|	0.57
86.250	0.00	0.16	0.215	O	|	|	|	0.57
86.333	0.00	0.16	0.214	O	|	|	|	0.56
86.417	0.00	0.16	0.213	O	|	|	|	0.56
86.500	0.00	0.16	0.212	O	|	|	|	0.56
86.583	0.00	0.16	0.210	O	|	|	|	0.55
86.667	0.00	0.16	0.209	O	|	|	|	0.55
86.750	0.00	0.16	0.208	O	|	|	|	0.55
86.833	0.00	0.16	0.207	O	|	|	|	0.55
86.917	0.00	0.16	0.206	O	|	|	|	0.54
87.000	0.00	0.16	0.205	O	|	|	|	0.54
87.083	0.00	0.16	0.204	O	|	|	|	0.54
87.167	0.00	0.15	0.203	O	|	|	|	0.53
87.250	0.00	0.15	0.202	O	|	|	|	0.53
87.333	0.00	0.15	0.201	O	|	|	|	0.53
87.417	0.00	0.15	0.200	O	|	|	|	0.53
87.500	0.00	0.15	0.199	O	|	|	|	0.52
87.583	0.00	0.15	0.198	O	|	|	|	0.52
87.667	0.00	0.15	0.197	O	|	|	|	0.52
87.750	0.00	0.15	0.196	O	|	|	|	0.51
87.833	0.00	0.15	0.195	O	|	|	|	0.51
87.917	0.00	0.15	0.194	O	|	|	|	0.51
88.000	0.00	0.15	0.193	O	|	|	|	0.51
88.083	0.00	0.15	0.191	O	|	|	|	0.50
88.167	0.00	0.15	0.190	O	|	|	|	0.50
88.250	0.00	0.14	0.189	O	|	|	|	0.50
88.333	0.00	0.14	0.189	O	|	|	|	0.50
88.417	0.00	0.14	0.188	O	|	|	|	0.49
88.500	0.00	0.14	0.187	O	|	|	|	0.49
88.583	0.00	0.14	0.186	O	|	|	|	0.49
88.667	0.00	0.14	0.185	O	|	|	|	0.49
88.750	0.00	0.14	0.184	O	|	|	|	0.48
88.833	0.00	0.14	0.183	O	|	|	|	0.48
88.917	0.00	0.14	0.182	O	|	|	|	0.48
89.000	0.00	0.14	0.181	O	|	|	|	0.48
89.083	0.00	0.14	0.180	O	|	|	|	0.47
89.167	0.00	0.14	0.179	O	|	|	|	0.47
89.250	0.00	0.14	0.178	O	|	|	|	0.47
89.333	0.00	0.14	0.177	O	|	|	|	0.47
89.417	0.00	0.13	0.176	O	|	|	|	0.46

89.500	0.00	0.13	0.175	O	|	|	|	|	0.46
89.583	0.00	0.13	0.174	O	|	|	|	|	0.46
89.667	0.00	0.13	0.173	O	|	|	|	|	0.46
89.750	0.00	0.13	0.172	O	|	|	|	|	0.45
89.833	0.00	0.13	0.171	O	|	|	|	|	0.45
89.917	0.00	0.13	0.171	O	|	|	|	|	0.45
90.000	0.00	0.13	0.170	O	|	|	|	|	0.45
90.083	0.00	0.13	0.169	O	|	|	|	|	0.44
90.167	0.00	0.13	0.168	O	|	|	|	|	0.44
90.250	0.00	0.13	0.167	O	|	|	|	|	0.44
90.333	0.00	0.13	0.166	O	|	|	|	|	0.44
90.417	0.00	0.13	0.165	O	|	|	|	|	0.43
90.500	0.00	0.13	0.164	O	|	|	|	|	0.43
90.583	0.00	0.12	0.164	O	|	|	|	|	0.43
90.667	0.00	0.12	0.163	O	|	|	|	|	0.43
90.750	0.00	0.12	0.162	O	|	|	|	|	0.43
90.833	0.00	0.12	0.161	O	|	|	|	|	0.42
90.917	0.00	0.12	0.160	O	|	|	|	|	0.42
91.000	0.00	0.12	0.159	O	|	|	|	|	0.42
91.083	0.00	0.12	0.158	O	|	|	|	|	0.42
91.167	0.00	0.12	0.158	O	|	|	|	|	0.41
91.250	0.00	0.12	0.157	O	|	|	|	|	0.41
91.333	0.00	0.12	0.156	O	|	|	|	|	0.41
91.417	0.00	0.12	0.155	O	|	|	|	|	0.41
91.500	0.00	0.12	0.154	O	|	|	|	|	0.41
91.583	0.00	0.12	0.154	O	|	|	|	|	0.40
91.667	0.00	0.12	0.153	O	|	|	|	|	0.40
91.750	0.00	0.12	0.152	O	|	|	|	|	0.40
91.833	0.00	0.12	0.151	O	|	|	|	|	0.40
91.917	0.00	0.11	0.150	O	|	|	|	|	0.40
92.000	0.00	0.11	0.150	O	|	|	|	|	0.39
92.083	0.00	0.11	0.149	O	|	|	|	|	0.39
92.167	0.00	0.11	0.148	O	|	|	|	|	0.39
92.250	0.00	0.11	0.147	O	|	|	|	|	0.39
92.333	0.00	0.11	0.146	O	|	|	|	|	0.39
92.417	0.00	0.11	0.146	O	|	|	|	|	0.38
92.500	0.00	0.11	0.145	O	|	|	|	|	0.38
92.583	0.00	0.11	0.144	O	|	|	|	|	0.38
92.667	0.00	0.11	0.143	O	|	|	|	|	0.38
92.750	0.00	0.11	0.143	O	|	|	|	|	0.38
92.833	0.00	0.11	0.142	O	|	|	|	|	0.37
92.917	0.00	0.11	0.141	O	|	|	|	|	0.37
93.000	0.00	0.11	0.140	O	|	|	|	|	0.37
93.083	0.00	0.11	0.140	O	|	|	|	|	0.37
93.167	0.00	0.11	0.139	O	|	|	|	|	0.37
93.250	0.00	0.11	0.138	O	|	|	|	|	0.36
93.333	0.00	0.10	0.138	O	|	|	|	|	0.36
93.417	0.00	0.10	0.137	O	|	|	|	|	0.36
93.500	0.00	0.10	0.136	O	|	|	|	|	0.36
93.583	0.00	0.10	0.135	O	|	|	|	|	0.36
93.667	0.00	0.10	0.135	O	|	|	|	|	0.35
93.750	0.00	0.10	0.134	O	|	|	|	|	0.35
93.833	0.00	0.10	0.133	O	|	|	|	|	0.35
93.917	0.00	0.10	0.133	O	|	|	|	|	0.35
94.000	0.00	0.10	0.132	O	|	|	|	|	0.35
94.083	0.00	0.10	0.131	O	|	|	|	|	0.35
94.167	0.00	0.10	0.130	O	|	|	|	|	0.34
94.250	0.00	0.10	0.130	O	|	|	|	|	0.34
94.333	0.00	0.10	0.129	O	|	|	|	|	0.34
94.417	0.00	0.10	0.128	O	|	|	|	|	0.34
94.500	0.00	0.10	0.128	O	|	|	|	|	0.34
94.583	0.00	0.10	0.127	O	|	|	|	|	0.33
94.667	0.00	0.10	0.126	O	|	|	|	|	0.33
94.750	0.00	0.10	0.126	O	|	|	|	|	0.33
94.833	0.00	0.10	0.125	O	|	|	|	|	0.33
94.917	0.00	0.09	0.124	O	|	|	|	|	0.33
95.000	0.00	0.09	0.124	O	|	|	|	|	0.33

95.083	0.00	0.09	0.123	O	|	|	|	0.32
95.167	0.00	0.09	0.123	O	|	|	|	0.32
95.250	0.00	0.09	0.122	O	|	|	|	0.32
95.333	0.00	0.09	0.121	O	|	|	|	0.32
95.417	0.00	0.09	0.121	O	|	|	|	0.32
95.500	0.00	0.09	0.120	O	|	|	|	0.32
95.583	0.00	0.09	0.119	O	|	|	|	0.31
95.667	0.00	0.09	0.119	O	|	|	|	0.31
95.750	0.00	0.09	0.118	O	|	|	|	0.31
95.833	0.00	0.09	0.117	O	|	|	|	0.31
95.917	0.00	0.09	0.117	O	|	|	|	0.31
96.000	0.00	0.09	0.116	O	|	|	|	0.31
96.083	0.00	0.09	0.116	O	|	|	|	0.30
96.167	0.00	0.09	0.115	O	|	|	|	0.30
96.250	0.00	0.09	0.114	O	|	|	|	0.30
96.333	0.00	0.09	0.114	O	|	|	|	0.30
96.417	0.00	0.09	0.113	O	|	|	|	0.30
96.500	0.00	0.09	0.113	O	|	|	|	0.30
96.583	0.00	0.09	0.112	O	|	|	|	0.29
96.667	0.00	0.09	0.111	O	|	|	|	0.29
96.750	0.00	0.08	0.111	O	|	|	|	0.29
96.833	0.00	0.08	0.110	O	|	|	|	0.29
96.917	0.00	0.08	0.110	O	|	|	|	0.29
97.000	0.00	0.08	0.109	O	|	|	|	0.29
97.083	0.00	0.08	0.109	O	|	|	|	0.29
97.167	0.00	0.08	0.108	O	|	|	|	0.28
97.250	0.00	0.08	0.107	O	|	|	|	0.28
97.333	0.00	0.08	0.107	O	|	|	|	0.28
97.417	0.00	0.08	0.106	O	|	|	|	0.28
97.500	0.00	0.08	0.106	O	|	|	|	0.28
97.583	0.00	0.08	0.105	O	|	|	|	0.28
97.667	0.00	0.08	0.105	O	|	|	|	0.28
97.750	0.00	0.08	0.104	O	|	|	|	0.27
97.833	0.00	0.08	0.104	O	|	|	|	0.27
97.917	0.00	0.08	0.103	O	|	|	|	0.27
98.000	0.00	0.08	0.102	O	|	|	|	0.27
98.083	0.00	0.08	0.102	O	|	|	|	0.27
98.167	0.00	0.08	0.101	O	|	|	|	0.27
98.250	0.00	0.08	0.101	O	|	|	|	0.27
98.333	0.00	0.08	0.100	O	|	|	|	0.26
98.417	0.00	0.08	0.100	O	|	|	|	0.26
98.500	0.00	0.08	0.099	O	|	|	|	0.26
98.583	0.00	0.08	0.099	O	|	|	|	0.26
98.667	0.00	0.07	0.098	O	|	|	|	0.26
98.750	0.00	0.07	0.098	O	|	|	|	0.26
98.833	0.00	0.07	0.097	O	|	|	|	0.26
98.917	0.00	0.07	0.097	O	|	|	|	0.25
99.000	0.00	0.07	0.096	O	|	|	|	0.25
99.083	0.00	0.07	0.096	O	|	|	|	0.25
99.167	0.00	0.07	0.095	O	|	|	|	0.25
99.250	0.00	0.07	0.095	O	|	|	|	0.25
99.333	0.00	0.07	0.094	O	|	|	|	0.25
99.417	0.00	0.07	0.094	O	|	|	|	0.25
99.500	0.00	0.07	0.093	O	|	|	|	0.25
99.583	0.00	0.07	0.093	O	|	|	|	0.24
99.667	0.00	0.07	0.092	O	|	|	|	0.24
99.750	0.00	0.07	0.092	O	|	|	|	0.24
99.833	0.00	0.07	0.091	O	|	|	|	0.24
99.917	0.00	0.07	0.091	O	|	|	|	0.24
100.000	0.00	0.07	0.090	O	|	|	|	0.24
100.083	0.00	0.07	0.090	O	|	|	|	0.24
100.167	0.00	0.07	0.089	O	|	|	|	0.24
100.250	0.00	0.07	0.089	O	|	|	|	0.23
100.333	0.00	0.07	0.088	O	|	|	|	0.23
100.417	0.00	0.07	0.088	O	|	|	|	0.23
100.500	0.00	0.07	0.088	O	|	|	|	0.23
100.583	0.00	0.07	0.087	O	|	|	|	0.23

100.667	0.00	0.07	0.087	O	|	|	|	| 0.23
100.750	0.00	0.07	0.086	O	|	|	|	| 0.23
100.833	0.00	0.07	0.086	O	|	|	|	| 0.23
100.917	0.00	0.07	0.085	O	|	|	|	| 0.22
101.000	0.00	0.06	0.085	O	|	|	|	| 0.22
101.083	0.00	0.06	0.084	O	|	|	|	| 0.22
101.167	0.00	0.06	0.084	O	|	|	|	| 0.22
101.250	0.00	0.06	0.083	O	|	|	|	| 0.22
101.333	0.00	0.06	0.083	O	|	|	|	| 0.22
101.417	0.00	0.06	0.083	O	|	|	|	| 0.22
101.500	0.00	0.06	0.082	O	|	|	|	| 0.22
101.583	0.00	0.06	0.082	O	|	|	|	| 0.22
101.667	0.00	0.06	0.081	O	|	|	|	| 0.21
101.750	0.00	0.06	0.081	O	|	|	|	| 0.21
101.833	0.00	0.06	0.080	O	|	|	|	| 0.21
101.917	0.00	0.06	0.080	O	|	|	|	| 0.21
102.000	0.00	0.06	0.080	O	|	|	|	| 0.21
102.083	0.00	0.06	0.079	O	|	|	|	| 0.21
102.167	0.00	0.06	0.079	O	|	|	|	| 0.21
102.250	0.00	0.06	0.078	O	|	|	|	| 0.21
102.333	0.00	0.06	0.078	O	|	|	|	| 0.21
102.417	0.00	0.06	0.078	O	|	|	|	| 0.20
102.500	0.00	0.06	0.077	O	|	|	|	| 0.20
102.583	0.00	0.06	0.077	O	|	|	|	| 0.20
102.667	0.00	0.06	0.076	O	|	|	|	| 0.20
102.750	0.00	0.06	0.076	O	|	|	|	| 0.20
102.833	0.00	0.06	0.076	O	|	|	|	| 0.20
102.917	0.00	0.06	0.075	O	|	|	|	| 0.20
103.000	0.00	0.06	0.075	O	|	|	|	| 0.20
103.083	0.00	0.06	0.074	O	|	|	|	| 0.20
103.167	0.00	0.06	0.074	O	|	|	|	| 0.19
103.250	0.00	0.06	0.074	O	|	|	|	| 0.19
103.333	0.00	0.06	0.073	O	|	|	|	| 0.19
103.417	0.00	0.06	0.073	O	|	|	|	| 0.19
103.500	0.00	0.06	0.072	O	|	|	|	| 0.19
103.583	0.00	0.05	0.072	O	|	|	|	| 0.19
103.667	0.00	0.05	0.072	O	|	|	|	| 0.19
103.750	0.00	0.05	0.071	O	|	|	|	| 0.19
103.833	0.00	0.05	0.071	O	|	|	|	| 0.19
103.917	0.00	0.05	0.071	O	|	|	|	| 0.19
104.000	0.00	0.05	0.070	O	|	|	|	| 0.18
104.083	0.00	0.05	0.070	O	|	|	|	| 0.18
104.167	0.00	0.05	0.069	O	|	|	|	| 0.18
104.250	0.00	0.05	0.069	O	|	|	|	| 0.18
104.333	0.00	0.05	0.069	O	|	|	|	| 0.18
104.417	0.00	0.05	0.068	O	|	|	|	| 0.18
104.500	0.00	0.05	0.068	O	|	|	|	| 0.18
104.583	0.00	0.05	0.068	O	|	|	|	| 0.18
104.667	0.00	0.05	0.067	O	|	|	|	| 0.18
104.750	0.00	0.05	0.067	O	|	|	|	| 0.18
104.833	0.00	0.05	0.067	O	|	|	|	| 0.18
104.917	0.00	0.05	0.066	O	|	|	|	| 0.17
105.000	0.00	0.05	0.066	O	|	|	|	| 0.17
105.083	0.00	0.05	0.066	O	|	|	|	| 0.17
105.167	0.00	0.05	0.065	O	|	|	|	| 0.17
105.250	0.00	0.05	0.065	O	|	|	|	| 0.17
105.333	0.00	0.05	0.065	O	|	|	|	| 0.17
105.417	0.00	0.05	0.064	O	|	|	|	| 0.17
105.500	0.00	0.05	0.064	O	|	|	|	| 0.17
105.583	0.00	0.05	0.064	O	|	|	|	| 0.17
105.667	0.00	0.05	0.063	O	|	|	|	| 0.17
105.750	0.00	0.05	0.063	O	|	|	|	| 0.17
105.833	0.00	0.05	0.063	O	|	|	|	| 0.16
105.917	0.00	0.05	0.062	O	|	|	|	| 0.16
106.000	0.00	0.05	0.062	O	|	|	|	| 0.16
106.083	0.00	0.05	0.062	O	|	|	|	| 0.16
106.167	0.00	0.05	0.061	O	|	|	|	| 0.16

106.250	0.00	0.05	0.061	O	|	|	|	0.16
106.333	0.00	0.05	0.061	O	|	|	|	0.16
106.417	0.00	0.05	0.060	O	|	|	|	0.16
106.500	0.00	0.05	0.060	O	|	|	|	0.16
106.583	0.00	0.05	0.060	O	|	|	|	0.16
106.667	0.00	0.05	0.059	O	|	|	|	0.16
106.750	0.00	0.05	0.059	O	|	|	|	0.16
106.833	0.00	0.04	0.059	O	|	|	|	0.15
106.917	0.00	0.04	0.058	O	|	|	|	0.15
107.000	0.00	0.04	0.058	O	|	|	|	0.15
107.083	0.00	0.04	0.058	O	|	|	|	0.15
107.167	0.00	0.04	0.057	O	|	|	|	0.15
107.250	0.00	0.04	0.057	O	|	|	|	0.15
107.333	0.00	0.04	0.057	O	|	|	|	0.15
107.417	0.00	0.04	0.057	O	|	|	|	0.15
107.500	0.00	0.04	0.056	O	|	|	|	0.15
107.583	0.00	0.04	0.056	O	|	|	|	0.15
107.667	0.00	0.04	0.056	O	|	|	|	0.15
107.750	0.00	0.04	0.055	O	|	|	|	0.15
107.833	0.00	0.04	0.055	O	|	|	|	0.15
107.917	0.00	0.04	0.055	O	|	|	|	0.14
108.000	0.00	0.04	0.055	O	|	|	|	0.14
108.083	0.00	0.04	0.054	O	|	|	|	0.14
108.167	0.00	0.04	0.054	O	|	|	|	0.14
108.250	0.00	0.04	0.054	O	|	|	|	0.14
108.333	0.00	0.04	0.053	O	|	|	|	0.14
108.417	0.00	0.04	0.053	O	|	|	|	0.14
108.500	0.00	0.04	0.053	O	|	|	|	0.14
108.583	0.00	0.04	0.053	O	|	|	|	0.14
108.667	0.00	0.04	0.052	O	|	|	|	0.14
108.750	0.00	0.04	0.052	O	|	|	|	0.14
108.833	0.00	0.04	0.052	O	|	|	|	0.14
108.917	0.00	0.04	0.051	O	|	|	|	0.14
109.000	0.00	0.04	0.051	O	|	|	|	0.13
109.083	0.00	0.04	0.051	O	|	|	|	0.13
109.167	0.00	0.04	0.051	O	|	|	|	0.13
109.250	0.00	0.04	0.050	O	|	|	|	0.13
109.333	0.00	0.04	0.050	O	|	|	|	0.13
109.417	0.00	0.04	0.050	O	|	|	|	0.13
109.500	0.00	0.04	0.050	O	|	|	|	0.13
109.583	0.00	0.04	0.049	O	|	|	|	0.13
109.667	0.00	0.04	0.049	O	|	|	|	0.13
109.750	0.00	0.04	0.049	O	|	|	|	0.13
109.833	0.00	0.04	0.049	O	|	|	|	0.13
109.917	0.00	0.04	0.048	O	|	|	|	0.13
110.000	0.00	0.04	0.048	O	|	|	|	0.13
110.083	0.00	0.04	0.048	O	|	|	|	0.13
110.167	0.00	0.04	0.048	O	|	|	|	0.13
110.250	0.00	0.04	0.047	O	|	|	|	0.12
110.333	0.00	0.04	0.047	O	|	|	|	0.12
110.417	0.00	0.04	0.047	O	|	|	|	0.12
110.500	0.00	0.04	0.047	O	|	|	|	0.12
110.583	0.00	0.04	0.046	O	|	|	|	0.12
110.667	0.00	0.04	0.046	O	|	|	|	0.12
110.750	0.00	0.03	0.046	O	|	|	|	0.12
110.833	0.00	0.03	0.046	O	|	|	|	0.12
110.917	0.00	0.03	0.045	O	|	|	|	0.12
111.000	0.00	0.03	0.045	O	|	|	|	0.12
111.083	0.00	0.03	0.045	O	|	|	|	0.12
111.167	0.00	0.03	0.045	O	|	|	|	0.12
111.250	0.00	0.03	0.044	O	|	|	|	0.12
111.333	0.00	0.03	0.044	O	|	|	|	0.12
111.417	0.00	0.03	0.044	O	|	|	|	0.12
111.500	0.00	0.03	0.044	O	|	|	|	0.12
111.583	0.00	0.03	0.043	O	|	|	|	0.11
111.667	0.00	0.03	0.043	O	|	|	|	0.11
111.750	0.00	0.03	0.043	O	|	|	|	0.11

111.833	0.00	0.03	0.043	O	|	|	|	|	0.11
111.917	0.00	0.03	0.043	O	|	|	|	|	0.11
112.000	0.00	0.03	0.042	O	|	|	|	|	0.11
112.083	0.00	0.03	0.042	O	|	|	|	|	0.11
112.167	0.00	0.03	0.042	O	|	|	|	|	0.11
112.250	0.00	0.03	0.042	O	|	|	|	|	0.11
112.333	0.00	0.03	0.041	O	|	|	|	|	0.11
112.417	0.00	0.03	0.041	O	|	|	|	|	0.11
112.500	0.00	0.03	0.041	O	|	|	|	|	0.11
112.583	0.00	0.03	0.041	O	|	|	|	|	0.11
112.667	0.00	0.03	0.041	O	|	|	|	|	0.11
112.750	0.00	0.03	0.040	O	|	|	|	|	0.11
112.833	0.00	0.03	0.040	O	|	|	|	|	0.11
112.917	0.00	0.03	0.040	O	|	|	|	|	0.11
113.000	0.00	0.03	0.040	O	|	|	|	|	0.10
113.083	0.00	0.03	0.040	O	|	|	|	|	0.10
113.167	0.00	0.03	0.039	O	|	|	|	|	0.10
113.250	0.00	0.03	0.039	O	|	|	|	|	0.10
113.333	0.00	0.03	0.039	O	|	|	|	|	0.10
113.417	0.00	0.03	0.039	O	|	|	|	|	0.10
113.500	0.00	0.03	0.039	O	|	|	|	|	0.10
113.583	0.00	0.03	0.038	O	|	|	|	|	0.10
113.667	0.00	0.03	0.038	O	|	|	|	|	0.10
113.750	0.00	0.03	0.038	O	|	|	|	|	0.10
113.833	0.00	0.03	0.038	O	|	|	|	|	0.10
113.917	0.00	0.03	0.038	O	|	|	|	|	0.10
114.000	0.00	0.03	0.037	O	|	|	|	|	0.10
114.083	0.00	0.03	0.037	O	|	|	|	|	0.10
114.167	0.00	0.03	0.037	O	|	|	|	|	0.10
114.250	0.00	0.03	0.037	O	|	|	|	|	0.10
114.333	0.00	0.03	0.037	O	|	|	|	|	0.10
114.417	0.00	0.03	0.036	O	|	|	|	|	0.10
114.500	0.00	0.03	0.036	O	|	|	|	|	0.10
114.583	0.00	0.03	0.036	O	|	|	|	|	0.09
114.667	0.00	0.03	0.036	O	|	|	|	|	0.09
114.750	0.00	0.03	0.036	O	|	|	|	|	0.09
114.833	0.00	0.03	0.035	O	|	|	|	|	0.09
114.917	0.00	0.03	0.035	O	|	|	|	|	0.09
115.000	0.00	0.03	0.035	O	|	|	|	|	0.09
115.083	0.00	0.03	0.035	O	|	|	|	|	0.09
115.167	0.00	0.03	0.035	O	|	|	|	|	0.09
115.250	0.00	0.03	0.035	O	|	|	|	|	0.09
115.333	0.00	0.03	0.034	O	|	|	|	|	0.09
115.417	0.00	0.03	0.034	O	|	|	|	|	0.09
115.500	0.00	0.03	0.034	O	|	|	|	|	0.09
115.583	0.00	0.03	0.034	O	|	|	|	|	0.09
115.667	0.00	0.03	0.034	O	|	|	|	|	0.09
115.750	0.00	0.03	0.033	O	|	|	|	|	0.09
115.833	0.00	0.03	0.033	O	|	|	|	|	0.09
115.917	0.00	0.03	0.033	O	|	|	|	|	0.09
116.000	0.00	0.03	0.033	O	|	|	|	|	0.09
116.083	0.00	0.02	0.033	O	|	|	|	|	0.09
116.167	0.00	0.02	0.033	O	|	|	|	|	0.09
116.250	0.00	0.02	0.032	O	|	|	|	|	0.09
116.333	0.00	0.02	0.032	O	|	|	|	|	0.08
116.417	0.00	0.02	0.032	O	|	|	|	|	0.08
116.500	0.00	0.02	0.032	O	|	|	|	|	0.08
116.583	0.00	0.02	0.032	O	|	|	|	|	0.08
116.667	0.00	0.02	0.032	O	|	|	|	|	0.08
116.750	0.00	0.02	0.031	O	|	|	|	|	0.08
116.833	0.00	0.02	0.031	O	|	|	|	|	0.08
116.917	0.00	0.02	0.031	O	|	|	|	|	0.08
117.000	0.00	0.02	0.031	O	|	|	|	|	0.08
117.083	0.00	0.02	0.031	O	|	|	|	|	0.08
117.167	0.00	0.02	0.031	O	|	|	|	|	0.08
117.250	0.00	0.02	0.030	O	|	|	|	|	0.08
117.333	0.00	0.02	0.030	O	|	|	|	|	0.08

117.417	0.00	0.02	0.030	O	|	|	|	|	0.08
117.500	0.00	0.02	0.030	O	|	|	|	|	0.08
117.583	0.00	0.02	0.030	O	|	|	|	|	0.08
117.667	0.00	0.02	0.030	O	|	|	|	|	0.08
117.750	0.00	0.02	0.029	O	|	|	|	|	0.08
117.833	0.00	0.02	0.029	O	|	|	|	|	0.08
117.917	0.00	0.02	0.029	O	|	|	|	|	0.08
118.000	0.00	0.02	0.029	O	|	|	|	|	0.08
118.083	0.00	0.02	0.029	O	|	|	|	|	0.08
118.167	0.00	0.02	0.029	O	|	|	|	|	0.08
118.250	0.00	0.02	0.029	O	|	|	|	|	0.08
118.333	0.00	0.02	0.028	O	|	|	|	|	0.07
118.417	0.00	0.02	0.028	O	|	|	|	|	0.07
118.500	0.00	0.02	0.028	O	|	|	|	|	0.07
118.583	0.00	0.02	0.028	O	|	|	|	|	0.07
118.667	0.00	0.02	0.028	O	|	|	|	|	0.07
118.750	0.00	0.02	0.028	O	|	|	|	|	0.07
118.833	0.00	0.02	0.028	O	|	|	|	|	0.07
118.917	0.00	0.02	0.027	O	|	|	|	|	0.07
119.000	0.00	0.02	0.027	O	|	|	|	|	0.07
119.083	0.00	0.02	0.027	O	|	|	|	|	0.07
119.167	0.00	0.02	0.027	O	|	|	|	|	0.07
119.250	0.00	0.02	0.027	O	|	|	|	|	0.07
119.333	0.00	0.02	0.027	O	|	|	|	|	0.07
119.417	0.00	0.02	0.027	O	|	|	|	|	0.07
119.500	0.00	0.02	0.026	O	|	|	|	|	0.07
119.583	0.00	0.02	0.026	O	|	|	|	|	0.07
119.667	0.00	0.02	0.026	O	|	|	|	|	0.07
119.750	0.00	0.02	0.026	O	|	|	|	|	0.07
119.833	0.00	0.02	0.026	O	|	|	|	|	0.07
119.917	0.00	0.02	0.026	O	|	|	|	|	0.07
120.000	0.00	0.02	0.026	O	|	|	|	|	0.07
120.083	0.00	0.02	0.025	O	|	|	|	|	0.07
120.167	0.00	0.02	0.025	O	|	|	|	|	0.07
120.250	0.00	0.02	0.025	O	|	|	|	|	0.07
120.333	0.00	0.02	0.025	O	|	|	|	|	0.07
120.417	0.00	0.02	0.025	O	|	|	|	|	0.07
120.500	0.00	0.02	0.025	O	|	|	|	|	0.07
120.583	0.00	0.02	0.025	O	|	|	|	|	0.06
120.667	0.00	0.02	0.025	O	|	|	|	|	0.06
120.750	0.00	0.02	0.024	O	|	|	|	|	0.06
120.833	0.00	0.02	0.024	O	|	|	|	|	0.06
120.917	0.00	0.02	0.024	O	|	|	|	|	0.06
121.000	0.00	0.02	0.024	O	|	|	|	|	0.06
121.083	0.00	0.02	0.024	O	|	|	|	|	0.06
121.167	0.00	0.02	0.024	O	|	|	|	|	0.06
121.250	0.00	0.02	0.024	O	|	|	|	|	0.06
121.333	0.00	0.02	0.024	O	|	|	|	|	0.06
121.417	0.00	0.02	0.023	O	|	|	|	|	0.06
121.500	0.00	0.02	0.023	O	|	|	|	|	0.06
121.583	0.00	0.02	0.023	O	|	|	|	|	0.06
121.667	0.00	0.02	0.023	O	|	|	|	|	0.06
121.750	0.00	0.02	0.023	O	|	|	|	|	0.06
121.833	0.00	0.02	0.023	O	|	|	|	|	0.06
121.917	0.00	0.02	0.023	O	|	|	|	|	0.06
122.000	0.00	0.02	0.023	O	|	|	|	|	0.06
122.083	0.00	0.02	0.022	O	|	|	|	|	0.06
122.167	0.00	0.02	0.022	O	|	|	|	|	0.06
122.250	0.00	0.02	0.022	O	|	|	|	|	0.06
122.333	0.00	0.02	0.022	O	|	|	|	|	0.06
122.417	0.00	0.02	0.022	O	|	|	|	|	0.06
122.500	0.00	0.02	0.022	O	|	|	|	|	0.06
122.583	0.00	0.02	0.022	O	|	|	|	|	0.06
122.667	0.00	0.02	0.022	O	|	|	|	|	0.06
122.750	0.00	0.02	0.022	O	|	|	|	|	0.06
122.833	0.00	0.02	0.021	O	|	|	|	|	0.06
122.917	0.00	0.02	0.021	O	|	|	|	|	0.06

123.000	0.00	0.02	0.021	O	|	|	|	|	0.06
123.083	0.00	0.02	0.021	O	|	|	|	|	0.06
123.167	0.00	0.02	0.021	O	|	|	|	|	0.06
123.250	0.00	0.02	0.021	O	|	|	|	|	0.05
123.333	0.00	0.02	0.021	O	|	|	|	|	0.05
123.417	0.00	0.02	0.021	O	|	|	|	|	0.05
123.500	0.00	0.02	0.021	O	|	|	|	|	0.05
123.583	0.00	0.02	0.020	O	|	|	|	|	0.05
123.667	0.00	0.02	0.020	O	|	|	|	|	0.05
123.750	0.00	0.02	0.020	O	|	|	|	|	0.05
123.833	0.00	0.02	0.020	O	|	|	|	|	0.05
123.917	0.00	0.02	0.020	O	|	|	|	|	0.05
124.000	0.00	0.02	0.020	O	|	|	|	|	0.05
124.083	0.00	0.02	0.020	O	|	|	|	|	0.05
124.167	0.00	0.02	0.020	O	|	|	|	|	0.05
124.250	0.00	0.01	0.020	O	|	|	|	|	0.05
124.333	0.00	0.01	0.019	O	|	|	|	|	0.05
124.417	0.00	0.01	0.019	O	|	|	|	|	0.05
124.500	0.00	0.01	0.019	O	|	|	|	|	0.05
124.583	0.00	0.01	0.019	O	|	|	|	|	0.05
124.667	0.00	0.01	0.019	O	|	|	|	|	0.05
124.750	0.00	0.01	0.019	O	|	|	|	|	0.05
124.833	0.00	0.01	0.019	O	|	|	|	|	0.05
124.917	0.00	0.01	0.019	O	|	|	|	|	0.05
125.000	0.00	0.01	0.019	O	|	|	|	|	0.05
125.083	0.00	0.01	0.019	O	|	|	|	|	0.05
125.167	0.00	0.01	0.018	O	|	|	|	|	0.05
125.250	0.00	0.01	0.018	O	|	|	|	|	0.05
125.333	0.00	0.01	0.018	O	|	|	|	|	0.05
125.417	0.00	0.01	0.018	O	|	|	|	|	0.05
125.500	0.00	0.01	0.018	O	|	|	|	|	0.05
125.583	0.00	0.01	0.018	O	|	|	|	|	0.05
125.667	0.00	0.01	0.018	O	|	|	|	|	0.05
125.750	0.00	0.01	0.018	O	|	|	|	|	0.05
125.833	0.00	0.01	0.018	O	|	|	|	|	0.05
125.917	0.00	0.01	0.018	O	|	|	|	|	0.05
126.000	0.00	0.01	0.018	O	|	|	|	|	0.05
126.083	0.00	0.01	0.017	O	|	|	|	|	0.05
126.167	0.00	0.01	0.017	O	|	|	|	|	0.05
126.250	0.00	0.01	0.017	O	|	|	|	|	0.05
126.333	0.00	0.01	0.017	O	|	|	|	|	0.05
126.417	0.00	0.01	0.017	O	|	|	|	|	0.04
126.500	0.00	0.01	0.017	O	|	|	|	|	0.04
126.583	0.00	0.01	0.017	O	|	|	|	|	0.04
126.667	0.00	0.01	0.017	O	|	|	|	|	0.04
126.750	0.00	0.01	0.017	O	|	|	|	|	0.04
126.833	0.00	0.01	0.017	O	|	|	|	|	0.04
126.917	0.00	0.01	0.017	O	|	|	|	|	0.04
127.000	0.00	0.01	0.016	O	|	|	|	|	0.04
127.083	0.00	0.01	0.016	O	|	|	|	|	0.04
127.167	0.00	0.01	0.016	O	|	|	|	|	0.04
127.250	0.00	0.01	0.016	O	|	|	|	|	0.04
127.333	0.00	0.01	0.016	O	|	|	|	|	0.04
127.417	0.00	0.01	0.016	O	|	|	|	|	0.04
127.500	0.00	0.01	0.016	O	|	|	|	|	0.04
127.583	0.00	0.01	0.016	O	|	|	|	|	0.04
127.667	0.00	0.01	0.016	O	|	|	|	|	0.04
127.750	0.00	0.01	0.016	O	|	|	|	|	0.04
127.833	0.00	0.01	0.016	O	|	|	|	|	0.04
127.917	0.00	0.01	0.016	O	|	|	|	|	0.04
128.000	0.00	0.01	0.015	O	|	|	|	|	0.04
128.083	0.00	0.01	0.015	O	|	|	|	|	0.04
128.167	0.00	0.01	0.015	O	|	|	|	|	0.04
128.250	0.00	0.01	0.015	O	|	|	|	|	0.04
128.333	0.00	0.01	0.015	O	|	|	|	|	0.04
128.417	0.00	0.01	0.015	O	|	|	|	|	0.04
128.500	0.00	0.01	0.015	O	|	|	|	|	0.04

128.583	0.00	0.01	0.015	O	|	|	|	|	0.04
128.667	0.00	0.01	0.015	O	|	|	|	|	0.04
128.750	0.00	0.01	0.015	O	|	|	|	|	0.04
128.833	0.00	0.01	0.015	O	|	|	|	|	0.04
128.917	0.00	0.01	0.015	O	|	|	|	|	0.04
129.000	0.00	0.01	0.015	O	|	|	|	|	0.04
129.083	0.00	0.01	0.014	O	|	|	|	|	0.04
129.167	0.00	0.01	0.014	O	|	|	|	|	0.04
129.250	0.00	0.01	0.014	O	|	|	|	|	0.04
129.333	0.00	0.01	0.014	O	|	|	|	|	0.04
129.417	0.00	0.01	0.014	O	|	|	|	|	0.04
129.500	0.00	0.01	0.014	O	|	|	|	|	0.04
129.583	0.00	0.01	0.014	O	|	|	|	|	0.04
129.667	0.00	0.01	0.014	O	|	|	|	|	0.04
129.750	0.00	0.01	0.014	O	|	|	|	|	0.04
129.833	0.00	0.01	0.014	O	|	|	|	|	0.04
129.917	0.00	0.01	0.014	O	|	|	|	|	0.04
130.000	0.00	0.01	0.014	O	|	|	|	|	0.04
130.083	0.00	0.01	0.014	O	|	|	|	|	0.04
130.167	0.00	0.01	0.013	O	|	|	|	|	0.04
130.250	0.00	0.01	0.013	O	|	|	|	|	0.04
130.333	0.00	0.01	0.013	O	|	|	|	|	0.04
130.417	0.00	0.01	0.013	O	|	|	|	|	0.03
130.500	0.00	0.01	0.013	O	|	|	|	|	0.03
130.583	0.00	0.01	0.013	O	|	|	|	|	0.03
130.667	0.00	0.01	0.013	O	|	|	|	|	0.03
130.750	0.00	0.01	0.013	O	|	|	|	|	0.03
130.833	0.00	0.01	0.013	O	|	|	|	|	0.03
130.917	0.00	0.01	0.013	O	|	|	|	|	0.03
131.000	0.00	0.01	0.013	O	|	|	|	|	0.03
131.083	0.00	0.01	0.013	O	|	|	|	|	0.03
131.167	0.00	0.01	0.013	O	|	|	|	|	0.03
131.250	0.00	0.01	0.013	O	|	|	|	|	0.03
131.333	0.00	0.01	0.013	O	|	|	|	|	0.03
131.417	0.00	0.01	0.012	O	|	|	|	|	0.03
131.500	0.00	0.01	0.012	O	|	|	|	|	0.03
131.583	0.00	0.01	0.012	O	|	|	|	|	0.03
131.667	0.00	0.01	0.012	O	|	|	|	|	0.03
131.750	0.00	0.01	0.012	O	|	|	|	|	0.03
131.833	0.00	0.01	0.012	O	|	|	|	|	0.03
131.917	0.00	0.01	0.012	O	|	|	|	|	0.03
132.000	0.00	0.01	0.012	O	|	|	|	|	0.03
132.083	0.00	0.01	0.012	O	|	|	|	|	0.03
132.167	0.00	0.01	0.012	O	|	|	|	|	0.03
132.250	0.00	0.01	0.012	O	|	|	|	|	0.03
132.333	0.00	0.01	0.012	O	|	|	|	|	0.03
132.417	0.00	0.01	0.012	O	|	|	|	|	0.03
132.500	0.00	0.01	0.012	O	|	|	|	|	0.03
132.583	0.00	0.01	0.012	O	|	|	|	|	0.03
132.667	0.00	0.01	0.012	O	|	|	|	|	0.03
132.750	0.00	0.01	0.011	O	|	|	|	|	0.03
132.833	0.00	0.01	0.011	O	|	|	|	|	0.03
132.917	0.00	0.01	0.011	O	|	|	|	|	0.03
133.000	0.00	0.01	0.011	O	|	|	|	|	0.03
133.083	0.00	0.01	0.011	O	|	|	|	|	0.03
133.167	0.00	0.01	0.011	O	|	|	|	|	0.03
133.250	0.00	0.01	0.011	O	|	|	|	|	0.03
133.333	0.00	0.01	0.011	O	|	|	|	|	0.03
133.417	0.00	0.01	0.011	O	|	|	|	|	0.03
133.500	0.00	0.01	0.011	O	|	|	|	|	0.03
133.583	0.00	0.01	0.011	O	|	|	|	|	0.03
133.667	0.00	0.01	0.011	O	|	|	|	|	0.03
133.750	0.00	0.01	0.011	O	|	|	|	|	0.03
133.833	0.00	0.01	0.011	O	|	|	|	|	0.03
133.917	0.00	0.01	0.011	O	|	|	|	|	0.03
134.000	0.00	0.01	0.011	O	|	|	|	|	0.03
134.083	0.00	0.01	0.011	O	|	|	|	|	0.03

134.167	0.00	0.01	0.010	O	|	|	|	|	0.03
134.250	0.00	0.01	0.010	O	|	|	|	|	0.03
134.333	0.00	0.01	0.010	O	|	|	|	|	0.03
134.417	0.00	0.01	0.010	O	|	|	|	|	0.03
134.500	0.00	0.01	0.010	O	|	|	|	|	0.03
134.583	0.00	0.01	0.010	O	|	|	|	|	0.03
134.667	0.00	0.01	0.010	O	|	|	|	|	0.03
134.750	0.00	0.01	0.010	O	|	|	|	|	0.03
134.833	0.00	0.01	0.010	O	|	|	|	|	0.03
134.917	0.00	0.01	0.010	O	|	|	|	|	0.03
135.000	0.00	0.01	0.010	O	|	|	|	|	0.03
135.083	0.00	0.01	0.010	O	|	|	|	|	0.03
135.167	0.00	0.01	0.010	O	|	|	|	|	0.03
135.250	0.00	0.01	0.010	O	|	|	|	|	0.03
135.333	0.00	0.01	0.010	O	|	|	|	|	0.03
135.417	0.00	0.01	0.010	O	|	|	|	|	0.03
135.500	0.00	0.01	0.010	O	|	|	|	|	0.03
135.583	0.00	0.01	0.010	O	|	|	|	|	0.03
135.667	0.00	0.01	0.010	O	|	|	|	|	0.03
135.750	0.00	0.01	0.009	O	|	|	|	|	0.02
135.833	0.00	0.01	0.009	O	|	|	|	|	0.02
135.917	0.00	0.01	0.009	O	|	|	|	|	0.02
136.000	0.00	0.01	0.009	O	|	|	|	|	0.02
136.083	0.00	0.01	0.009	O	|	|	|	|	0.02
136.167	0.00	0.01	0.009	O	|	|	|	|	0.02
136.250	0.00	0.01	0.009	O	|	|	|	|	0.02
136.333	0.00	0.01	0.009	O	|	|	|	|	0.02
136.417	0.00	0.01	0.009	O	|	|	|	|	0.02
136.500	0.00	0.01	0.009	O	|	|	|	|	0.02
136.583	0.00	0.01	0.009	O	|	|	|	|	0.02
136.667	0.00	0.01	0.009	O	|	|	|	|	0.02
136.750	0.00	0.01	0.009	O	|	|	|	|	0.02
136.833	0.00	0.01	0.009	O	|	|	|	|	0.02
136.917	0.00	0.01	0.009	O	|	|	|	|	0.02
137.000	0.00	0.01	0.009	O	|	|	|	|	0.02
137.083	0.00	0.01	0.009	O	|	|	|	|	0.02
137.167	0.00	0.01	0.009	O	|	|	|	|	0.02
137.250	0.00	0.01	0.009	O	|	|	|	|	0.02
137.333	0.00	0.01	0.009	O	|	|	|	|	0.02
137.417	0.00	0.01	0.009	O	|	|	|	|	0.02
137.500	0.00	0.01	0.008	O	|	|	|	|	0.02
137.583	0.00	0.01	0.008	O	|	|	|	|	0.02
137.667	0.00	0.01	0.008	O	|	|	|	|	0.02
137.750	0.00	0.01	0.008	O	|	|	|	|	0.02
137.833	0.00	0.01	0.008	O	|	|	|	|	0.02
137.917	0.00	0.01	0.008	O	|	|	|	|	0.02
138.000	0.00	0.01	0.008	O	|	|	|	|	0.02
138.083	0.00	0.01	0.008	O	|	|	|	|	0.02
138.167	0.00	0.01	0.008	O	|	|	|	|	0.02
138.250	0.00	0.01	0.008	O	|	|	|	|	0.02
138.333	0.00	0.01	0.008	O	|	|	|	|	0.02
138.417	0.00	0.01	0.008	O	|	|	|	|	0.02
138.500	0.00	0.01	0.008	O	|	|	|	|	0.02
138.583	0.00	0.01	0.008	O	|	|	|	|	0.02
138.667	0.00	0.01	0.008	O	|	|	|	|	0.02
138.750	0.00	0.01	0.008	O	|	|	|	|	0.02
138.833	0.00	0.01	0.008	O	|	|	|	|	0.02
138.917	0.00	0.01	0.008	O	|	|	|	|	0.02
139.000	0.00	0.01	0.008	O	|	|	|	|	0.02
139.083	0.00	0.01	0.008	O	|	|	|	|	0.02
139.167	0.00	0.01	0.008	O	|	|	|	|	0.02
139.250	0.00	0.01	0.008	O	|	|	|	|	0.02
139.333	0.00	0.01	0.008	O	|	|	|	|	0.02
139.417	0.00	0.01	0.008	O	|	|	|	|	0.02
139.500	0.00	0.01	0.007	O	|	|	|	|	0.02
139.583	0.00	0.01	0.007	O	|	|	|	|	0.02
139.667	0.00	0.01	0.007	O	|	|	|	|	0.02

139.750	0.00	0.01	0.007	O	|	|	|	0.02
139.833	0.00	0.01	0.007	O	|	|	|	0.02
139.917	0.00	0.01	0.007	O	|	|	|	0.02
140.000	0.00	0.01	0.007	O	|	|	|	0.02
140.083	0.00	0.01	0.007	O	|	|	|	0.02
140.167	0.00	0.01	0.007	O	|	|	|	0.02
140.250	0.00	0.01	0.007	O	|	|	|	0.02
140.333	0.00	0.01	0.007	O	|	|	|	0.02
140.417	0.00	0.01	0.007	O	|	|	|	0.02
140.500	0.00	0.01	0.007	O	|	|	|	0.02
140.583	0.00	0.01	0.007	O	|	|	|	0.02
140.667	0.00	0.01	0.007	O	|	|	|	0.02
140.750	0.00	0.01	0.007	O	|	|	|	0.02
140.833	0.00	0.01	0.007	O	|	|	|	0.02
140.917	0.00	0.01	0.007	O	|	|	|	0.02
141.000	0.00	0.01	0.007	O	|	|	|	0.02
141.083	0.00	0.01	0.007	O	|	|	|	0.02
141.167	0.00	0.01	0.007	O	|	|	|	0.02
141.250	0.00	0.01	0.007	O	|	|	|	0.02
141.333	0.00	0.01	0.007	O	|	|	|	0.02
141.417	0.00	0.01	0.007	O	|	|	|	0.02
141.500	0.00	0.01	0.007	O	|	|	|	0.02
141.583	0.00	0.01	0.007	O	|	|	|	0.02
141.667	0.00	0.00	0.007	O	|	|	|	0.02
141.750	0.00	0.00	0.006	O	|	|	|	0.02
141.833	0.00	0.00	0.006	O	|	|	|	0.02
141.917	0.00	0.00	0.006	O	|	|	|	0.02
142.000	0.00	0.00	0.006	O	|	|	|	0.02
142.083	0.00	0.00	0.006	O	|	|	|	0.02
142.167	0.00	0.00	0.006	O	|	|	|	0.02
142.250	0.00	0.00	0.006	O	|	|	|	0.02
142.333	0.00	0.00	0.006	O	|	|	|	0.02
142.417	0.00	0.00	0.006	O	|	|	|	0.02
142.500	0.00	0.00	0.006	O	|	|	|	0.02
142.583	0.00	0.00	0.006	O	|	|	|	0.02
142.667	0.00	0.00	0.006	O	|	|	|	0.02
142.750	0.00	0.00	0.006	O	|	|	|	0.02
142.833	0.00	0.00	0.006	O	|	|	|	0.02
142.917	0.00	0.00	0.006	O	|	|	|	0.02
143.000	0.00	0.00	0.006	O	|	|	|	0.02
143.083	0.00	0.00	0.006	O	|	|	|	0.02
143.167	0.00	0.00	0.006	O	|	|	|	0.02
143.250	0.00	0.00	0.006	O	|	|	|	0.02
143.333	0.00	0.00	0.006	O	|	|	|	0.02
143.417	0.00	0.00	0.006	O	|	|	|	0.02
143.500	0.00	0.00	0.006	O	|	|	|	0.02
143.583	0.00	0.00	0.006	O	|	|	|	0.02
143.667	0.00	0.00	0.006	O	|	|	|	0.02
143.750	0.00	0.00	0.006	O	|	|	|	0.02
143.833	0.00	0.00	0.006	O	|	|	|	0.01
143.917	0.00	0.00	0.006	O	|	|	|	0.01
144.000	0.00	0.00	0.006	O	|	|	|	0.01
144.083	0.00	0.00	0.006	O	|	|	|	0.01
144.167	0.00	0.00	0.006	O	|	|	|	0.01
144.250	0.00	0.00	0.006	O	|	|	|	0.01
144.333	0.00	0.00	0.006	O	|	|	|	0.01
144.417	0.00	0.00	0.005	O	|	|	|	0.01
144.500	0.00	0.00	0.005	O	|	|	|	0.01
144.583	0.00	0.00	0.005	O	|	|	|	0.01
144.667	0.00	0.00	0.005	O	|	|	|	0.01
144.750	0.00	0.00	0.005	O	|	|	|	0.01
144.833	0.00	0.00	0.005	O	|	|	|	0.01
144.917	0.00	0.00	0.005	O	|	|	|	0.01
145.000	0.00	0.00	0.005	O	|	|	|	0.01
145.083	0.00	0.00	0.005	O	|	|	|	0.01
145.167	0.00	0.00	0.005	O	|	|	|	0.01
145.250	0.00	0.00	0.005	O	|	|	|	0.01

145.333	0.00	0.00	0.005	O	|	|	|	|	0.01
145.417	0.00	0.00	0.005	O	|	|	|	|	0.01
145.500	0.00	0.00	0.005	O	|	|	|	|	0.01
145.583	0.00	0.00	0.005	O	|	|	|	|	0.01
145.667	0.00	0.00	0.005	O	|	|	|	|	0.01
145.750	0.00	0.00	0.005	O	|	|	|	|	0.01
145.833	0.00	0.00	0.005	O	|	|	|	|	0.01
145.917	0.00	0.00	0.005	O	|	|	|	|	0.01
146.000	0.00	0.00	0.005	O	|	|	|	|	0.01
146.083	0.00	0.00	0.005	O	|	|	|	|	0.01
146.167	0.00	0.00	0.005	O	|	|	|	|	0.01
146.250	0.00	0.00	0.005	O	|	|	|	|	0.01
146.333	0.00	0.00	0.005	O	|	|	|	|	0.01
146.417	0.00	0.00	0.005	O	|	|	|	|	0.01
146.500	0.00	0.00	0.005	O	|	|	|	|	0.01
146.583	0.00	0.00	0.005	O	|	|	|	|	0.01
146.667	0.00	0.00	0.005	O	|	|	|	|	0.01
146.750	0.00	0.00	0.005	O	|	|	|	|	0.01
146.833	0.00	0.00	0.005	O	|	|	|	|	0.01
146.917	0.00	0.00	0.005	O	|	|	|	|	0.01
147.000	0.00	0.00	0.005	O	|	|	|	|	0.01
147.083	0.00	0.00	0.005	O	|	|	|	|	0.01
147.167	0.00	0.00	0.005	O	|	|	|	|	0.01
147.250	0.00	0.00	0.005	O	|	|	|	|	0.01
147.333	0.00	0.00	0.005	O	|	|	|	|	0.01
147.417	0.00	0.00	0.005	O	|	|	|	|	0.01
147.500	0.00	0.00	0.005	O	|	|	|	|	0.01
147.583	0.00	0.00	0.004	O	|	|	|	|	0.01
147.667	0.00	0.00	0.004	O	|	|	|	|	0.01
147.750	0.00	0.00	0.004	O	|	|	|	|	0.01
147.833	0.00	0.00	0.004	O	|	|	|	|	0.01
147.917	0.00	0.00	0.004	O	|	|	|	|	0.01
148.000	0.00	0.00	0.004	O	|	|	|	|	0.01
148.083	0.00	0.00	0.004	O	|	|	|	|	0.01
148.167	0.00	0.00	0.004	O	|	|	|	|	0.01
148.250	0.00	0.00	0.004	O	|	|	|	|	0.01
148.333	0.00	0.00	0.004	O	|	|	|	|	0.01
148.417	0.00	0.00	0.004	O	|	|	|	|	0.01
148.500	0.00	0.00	0.004	O	|	|	|	|	0.01
148.583	0.00	0.00	0.004	O	|	|	|	|	0.01
148.667	0.00	0.00	0.004	O	|	|	|	|	0.01
148.750	0.00	0.00	0.004	O	|	|	|	|	0.01
148.833	0.00	0.00	0.004	O	|	|	|	|	0.01
148.917	0.00	0.00	0.004	O	|	|	|	|	0.01
149.000	0.00	0.00	0.004	O	|	|	|	|	0.01
149.083	0.00	0.00	0.004	O	|	|	|	|	0.01
149.167	0.00	0.00	0.004	O	|	|	|	|	0.01
149.250	0.00	0.00	0.004	O	|	|	|	|	0.01
149.333	0.00	0.00	0.004	O	|	|	|	|	0.01
149.417	0.00	0.00	0.004	O	|	|	|	|	0.01
149.500	0.00	0.00	0.004	O	|	|	|	|	0.01
149.583	0.00	0.00	0.004	O	|	|	|	|	0.01
149.667	0.00	0.00	0.004	O	|	|	|	|	0.01
149.750	0.00	0.00	0.004	O	|	|	|	|	0.01
149.833	0.00	0.00	0.004	O	|	|	|	|	0.01
149.917	0.00	0.00	0.004	O	|	|	|	|	0.01
150.000	0.00	0.00	0.004	O	|	|	|	|	0.01
150.083	0.00	0.00	0.004	O	|	|	|	|	0.01
150.167	0.00	0.00	0.004	O	|	|	|	|	0.01
150.250	0.00	0.00	0.004	O	|	|	|	|	0.01
150.333	0.00	0.00	0.004	O	|	|	|	|	0.01
150.417	0.00	0.00	0.004	O	|	|	|	|	0.01
150.500	0.00	0.00	0.004	O	|	|	|	|	0.01
150.583	0.00	0.00	0.004	O	|	|	|	|	0.01
150.667	0.00	0.00	0.004	O	|	|	|	|	0.01
150.750	0.00	0.00	0.004	O	|	|	|	|	0.01
150.833	0.00	0.00	0.004	O	|	|	|	|	0.01

150.917	0.00	0.00	0.004	O	|	|	|	|	0.01
151.000	0.00	0.00	0.004	O	|	|	|	|	0.01
151.083	0.00	0.00	0.004	O	|	|	|	|	0.01
151.167	0.00	0.00	0.004	O	|	|	|	|	0.01
151.250	0.00	0.00	0.004	O	|	|	|	|	0.01
151.333	0.00	0.00	0.004	O	|	|	|	|	0.01
151.417	0.00	0.00	0.004	O	|	|	|	|	0.01
151.500	0.00	0.00	0.004	O	|	|	|	|	0.01
151.583	0.00	0.00	0.003	O	|	|	|	|	0.01
151.667	0.00	0.00	0.003	O	|	|	|	|	0.01
151.750	0.00	0.00	0.003	O	|	|	|	|	0.01
151.833	0.00	0.00	0.003	O	|	|	|	|	0.01
151.917	0.00	0.00	0.003	O	|	|	|	|	0.01
152.000	0.00	0.00	0.003	O	|	|	|	|	0.01
152.083	0.00	0.00	0.003	O	|	|	|	|	0.01
152.167	0.00	0.00	0.003	O	|	|	|	|	0.01
152.250	0.00	0.00	0.003	O	|	|	|	|	0.01
152.333	0.00	0.00	0.003	O	|	|	|	|	0.01
152.417	0.00	0.00	0.003	O	|	|	|	|	0.01
152.500	0.00	0.00	0.003	O	|	|	|	|	0.01
152.583	0.00	0.00	0.003	O	|	|	|	|	0.01
152.667	0.00	0.00	0.003	O	|	|	|	|	0.01
152.750	0.00	0.00	0.003	O	|	|	|	|	0.01
152.833	0.00	0.00	0.003	O	|	|	|	|	0.01
152.917	0.00	0.00	0.003	O	|	|	|	|	0.01
153.000	0.00	0.00	0.003	O	|	|	|	|	0.01
153.083	0.00	0.00	0.003	O	|	|	|	|	0.01
153.167	0.00	0.00	0.003	O	|	|	|	|	0.01
153.250	0.00	0.00	0.003	O	|	|	|	|	0.01
153.333	0.00	0.00	0.003	O	|	|	|	|	0.01
153.417	0.00	0.00	0.003	O	|	|	|	|	0.01
153.500	0.00	0.00	0.003	O	|	|	|	|	0.01
153.583	0.00	0.00	0.003	O	|	|	|	|	0.01
153.667	0.00	0.00	0.003	O	|	|	|	|	0.01
153.750	0.00	0.00	0.003	O	|	|	|	|	0.01
153.833	0.00	0.00	0.003	O	|	|	|	|	0.01
153.917	0.00	0.00	0.003	O	|	|	|	|	0.01
154.000	0.00	0.00	0.003	O	|	|	|	|	0.01
154.083	0.00	0.00	0.003	O	|	|	|	|	0.01
154.167	0.00	0.00	0.003	O	|	|	|	|	0.01
154.250	0.00	0.00	0.003	O	|	|	|	|	0.01
154.333	0.00	0.00	0.003	O	|	|	|	|	0.01
154.417	0.00	0.00	0.003	O	|	|	|	|	0.01
154.500	0.00	0.00	0.003	O	|	|	|	|	0.01
154.583	0.00	0.00	0.003	O	|	|	|	|	0.01
154.667	0.00	0.00	0.003	O	|	|	|	|	0.01
154.750	0.00	0.00	0.003	O	|	|	|	|	0.01
154.833	0.00	0.00	0.003	O	|	|	|	|	0.01
154.917	0.00	0.00	0.003	O	|	|	|	|	0.01
155.000	0.00	0.00	0.003	O	|	|	|	|	0.01
155.083	0.00	0.00	0.003	O	|	|	|	|	0.01
155.167	0.00	0.00	0.003	O	|	|	|	|	0.01
155.250	0.00	0.00	0.003	O	|	|	|	|	0.01
155.333	0.00	0.00	0.003	O	|	|	|	|	0.01
155.417	0.00	0.00	0.003	O	|	|	|	|	0.01
155.500	0.00	0.00	0.003	O	|	|	|	|	0.01
155.583	0.00	0.00	0.003	O	|	|	|	|	0.01
155.667	0.00	0.00	0.003	O	|	|	|	|	0.01
155.750	0.00	0.00	0.003	O	|	|	|	|	0.01
155.833	0.00	0.00	0.003	O	|	|	|	|	0.01
155.917	0.00	0.00	0.003	O	|	|	|	|	0.01
156.000	0.00	0.00	0.003	O	|	|	|	|	0.01
156.083	0.00	0.00	0.003	O	|	|	|	|	0.01
156.167	0.00	0.00	0.003	O	|	|	|	|	0.01
156.250	0.00	0.00	0.003	O	|	|	|	|	0.01
156.333	0.00	0.00	0.003	O	|	|	|	|	0.01
156.417	0.00	0.00	0.003	O	|	|	|	|	0.01

156.500	0.00	0.00	0.003	O	|	|	|	|	0.01
156.583	0.00	0.00	0.003	O	|	|	|	|	0.01
156.667	0.00	0.00	0.003	O	|	|	|	|	0.01
156.750	0.00	0.00	0.003	O	|	|	|	|	0.01
156.833	0.00	0.00	0.003	O	|	|	|	|	0.01
156.917	0.00	0.00	0.002	O	|	|	|	|	0.01
157.000	0.00	0.00	0.002	O	|	|	|	|	0.01
157.083	0.00	0.00	0.002	O	|	|	|	|	0.01
157.167	0.00	0.00	0.002	O	|	|	|	|	0.01
157.250	0.00	0.00	0.002	O	|	|	|	|	0.01
157.333	0.00	0.00	0.002	O	|	|	|	|	0.01
157.417	0.00	0.00	0.002	O	|	|	|	|	0.01
157.500	0.00	0.00	0.002	O	|	|	|	|	0.01
157.583	0.00	0.00	0.002	O	|	|	|	|	0.01
157.667	0.00	0.00	0.002	O	|	|	|	|	0.01
157.750	0.00	0.00	0.002	O	|	|	|	|	0.01
157.833	0.00	0.00	0.002	O	|	|	|	|	0.01
157.917	0.00	0.00	0.002	O	|	|	|	|	0.01
158.000	0.00	0.00	0.002	O	|	|	|	|	0.01
158.083	0.00	0.00	0.002	O	|	|	|	|	0.01
158.167	0.00	0.00	0.002	O	|	|	|	|	0.01
158.250	0.00	0.00	0.002	O	|	|	|	|	0.01
158.333	0.00	0.00	0.002	O	|	|	|	|	0.01
158.417	0.00	0.00	0.002	O	|	|	|	|	0.01
158.500	0.00	0.00	0.002	O	|	|	|	|	0.01
158.583	0.00	0.00	0.002	O	|	|	|	|	0.01
158.667	0.00	0.00	0.002	O	|	|	|	|	0.01
158.750	0.00	0.00	0.002	O	|	|	|	|	0.01
158.833	0.00	0.00	0.002	O	|	|	|	|	0.01
158.917	0.00	0.00	0.002	O	|	|	|	|	0.01
159.000	0.00	0.00	0.002	O	|	|	|	|	0.01
159.083	0.00	0.00	0.002	O	|	|	|	|	0.01
159.167	0.00	0.00	0.002	O	|	|	|	|	0.01
159.250	0.00	0.00	0.002	O	|	|	|	|	0.01
159.333	0.00	0.00	0.002	O	|	|	|	|	0.01
159.417	0.00	0.00	0.002	O	|	|	|	|	0.01
159.500	0.00	0.00	0.002	O	|	|	|	|	0.01
159.583	0.00	0.00	0.002	O	|	|	|	|	0.01
159.667	0.00	0.00	0.002	O	|	|	|	|	0.01
159.750	0.00	0.00	0.002	O	|	|	|	|	0.01
159.833	0.00	0.00	0.002	O	|	|	|	|	0.01
159.917	0.00	0.00	0.002	O	|	|	|	|	0.01
160.000	0.00	0.00	0.002	O	|	|	|	|	0.01
160.083	0.00	0.00	0.002	O	|	|	|	|	0.01
160.167	0.00	0.00	0.002	O	|	|	|	|	0.01
160.250	0.00	0.00	0.002	O	|	|	|	|	0.01
160.333	0.00	0.00	0.002	O	|	|	|	|	0.01
160.417	0.00	0.00	0.002	O	|	|	|	|	0.01
160.500	0.00	0.00	0.002	O	|	|	|	|	0.01
160.583	0.00	0.00	0.002	O	|	|	|	|	0.01
160.667	0.00	0.00	0.002	O	|	|	|	|	0.01
160.750	0.00	0.00	0.002	O	|	|	|	|	0.01
160.833	0.00	0.00	0.002	O	|	|	|	|	0.01
160.917	0.00	0.00	0.002	O	|	|	|	|	0.01
161.000	0.00	0.00	0.002	O	|	|	|	|	0.01
161.083	0.00	0.00	0.002	O	|	|	|	|	0.01
161.167	0.00	0.00	0.002	O	|	|	|	|	0.01
161.250	0.00	0.00	0.002	O	|	|	|	|	0.00
161.333	0.00	0.00	0.002	O	|	|	|	|	0.00
161.417	0.00	0.00	0.002	O	|	|	|	|	0.00
161.500	0.00	0.00	0.002	O	|	|	|	|	0.00
161.583	0.00	0.00	0.002	O	|	|	|	|	0.00
161.667	0.00	0.00	0.002	O	|	|	|	|	0.00
161.750	0.00	0.00	0.002	O	|	|	|	|	0.00
161.833	0.00	0.00	0.002	O	|	|	|	|	0.00
161.917	0.00	0.00	0.002	O	|	|	|	|	0.00
162.000	0.00	0.00	0.002	O	|	|	|	|	0.00

162.083	0.00	0.00	0.002	O	|	|	|	|	0.00
162.167	0.00	0.00	0.002	O	|	|	|	|	0.00
162.250	0.00	0.00	0.002	O	|	|	|	|	0.00
162.333	0.00	0.00	0.002	O	|	|	|	|	0.00
162.417	0.00	0.00	0.002	O	|	|	|	|	0.00
162.500	0.00	0.00	0.002	O	|	|	|	|	0.00
162.583	0.00	0.00	0.002	O	|	|	|	|	0.00
162.667	0.00	0.00	0.002	O	|	|	|	|	0.00
162.750	0.00	0.00	0.002	O	|	|	|	|	0.00
162.833	0.00	0.00	0.002	O	|	|	|	|	0.00
162.917	0.00	0.00	0.002	O	|	|	|	|	0.00
163.000	0.00	0.00	0.002	O	|	|	|	|	0.00
163.083	0.00	0.00	0.002	O	|	|	|	|	0.00
163.167	0.00	0.00	0.002	O	|	|	|	|	0.00
163.250	0.00	0.00	0.002	O	|	|	|	|	0.00
163.333	0.00	0.00	0.002	O	|	|	|	|	0.00
163.417	0.00	0.00	0.002	O	|	|	|	|	0.00
163.500	0.00	0.00	0.002	O	|	|	|	|	0.00
163.583	0.00	0.00	0.002	O	|	|	|	|	0.00
163.667	0.00	0.00	0.002	O	|	|	|	|	0.00
163.750	0.00	0.00	0.002	O	|	|	|	|	0.00
163.833	0.00	0.00	0.002	O	|	|	|	|	0.00
163.917	0.00	0.00	0.002	O	|	|	|	|	0.00
164.000	0.00	0.00	0.002	O	|	|	|	|	0.00
164.083	0.00	0.00	0.002	O	|	|	|	|	0.00
164.167	0.00	0.00	0.002	O	|	|	|	|	0.00
164.250	0.00	0.00	0.002	O	|	|	|	|	0.00
164.333	0.00	0.00	0.002	O	|	|	|	|	0.00
164.417	0.00	0.00	0.002	O	|	|	|	|	0.00
164.500	0.00	0.00	0.002	O	|	|	|	|	0.00
164.583	0.00	0.00	0.002	O	|	|	|	|	0.00
164.667	0.00	0.00	0.002	O	|	|	|	|	0.00
164.750	0.00	0.00	0.002	O	|	|	|	|	0.00
164.833	0.00	0.00	0.002	O	|	|	|	|	0.00
164.917	0.00	0.00	0.002	O	|	|	|	|	0.00
165.000	0.00	0.00	0.001	O	|	|	|	|	0.00
165.083	0.00	0.00	0.001	O	|	|	|	|	0.00
165.167	0.00	0.00	0.001	O	|	|	|	|	0.00
165.250	0.00	0.00	0.001	O	|	|	|	|	0.00
165.333	0.00	0.00	0.001	O	|	|	|	|	0.00
165.417	0.00	0.00	0.001	O	|	|	|	|	0.00
165.500	0.00	0.00	0.001	O	|	|	|	|	0.00
165.583	0.00	0.00	0.001	O	|	|	|	|	0.00
165.667	0.00	0.00	0.001	O	|	|	|	|	0.00
165.750	0.00	0.00	0.001	O	|	|	|	|	0.00
165.833	0.00	0.00	0.001	O	|	|	|	|	0.00
165.917	0.00	0.00	0.001	O	|	|	|	|	0.00
166.000	0.00	0.00	0.001	O	|	|	|	|	0.00
166.083	0.00	0.00	0.001	O	|	|	|	|	0.00
166.167	0.00	0.00	0.001	O	|	|	|	|	0.00
166.250	0.00	0.00	0.001	O	|	|	|	|	0.00
166.333	0.00	0.00	0.001	O	|	|	|	|	0.00
166.417	0.00	0.00	0.001	O	|	|	|	|	0.00
166.500	0.00	0.00	0.001	O	|	|	|	|	0.00
166.583	0.00	0.00	0.001	O	|	|	|	|	0.00
166.667	0.00	0.00	0.001	O	|	|	|	|	0.00
166.750	0.00	0.00	0.001	O	|	|	|	|	0.00
166.833	0.00	0.00	0.001	O	|	|	|	|	0.00
166.917	0.00	0.00	0.001	O	|	|	|	|	0.00
167.000	0.00	0.00	0.001	O	|	|	|	|	0.00
167.083	0.00	0.00	0.001	O	|	|	|	|	0.00
167.167	0.00	0.00	0.001	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

```
**************************HYDROGRAPH DATA**************************
             Number of intervals =  2006
             Time interval =    5.0 (Min.)
             Maximum/Peak flow rate =        0.780 (CFS)
             Total volume =       3.790 (Ac.Ft)
       Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
       Peak (CFS)      0.000     0.000     0.000     0.000     0.000
       Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/19/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRG110.rte

**********HYDROGRAPH DATA**********

Number of intervals = 15
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 45.927 (CFS)
Total volume = 1.347 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN G- ROUTING
10YR-1HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 15
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.380	0.290	0.379	0.381
2.000	0.810	0.440	0.808	0.812
3.000	1.300	0.550	1.298	1.302
4.000	1.840	0.650	1.838	1.842
5.000	2.440	0.730	2.437	2.443
6.000	3.100	0.800	3.097	3.103
7.000	3.820	1.470	3.815	3.825
8.000	4.610	25.330	4.523	4.697
9.000	5.500	124.380	5.072	5.928

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	11.5	22.96	34.45	45.93 (Ft.)	Depth
0.083	2.67	0.01	0.009	OI	|	|	|	|	0.02

0.167	5.84	0.03	0.038	O	I	|	|	|	|	0.10
0.250	7.13	0.06	0.083	O	I	|	|	|	|	0.22
0.333	7.93	0.10	0.134	O	I	|	|	|	|	0.35
0.417	8.63	0.15	0.190	O	I	|	|	|	|	0.50
0.500	9.81	0.19	0.252	O	I	|	|	|	|	0.66
0.583	11.18	0.25	0.323	O	I	|	|	|	|	0.85
0.667	14.01	0.30	0.408	O	I	|	|	|	|	1.07
0.750	21.63	0.34	0.529	O	|	I	|	|	|	1.35
0.833	45.93	0.42	0.759	O	|	|	|	|	I	1.88
0.917	38.16	0.49	1.045	O	|	|	|	I	|	2.48
1.000	15.17	0.53	1.225	O	|	I	|	|	|	2.85
1.083	6.24	0.55	1.295	O	I	|	|	|	|	2.99
1.167	0.99	**0.55**	**1.316**	**O**	|	|	|	|	|	**3.03**
1.250	0.23	0.55	1.317	O	|	|	|	|	|	3.03
1.333	0.00	0.55	1.314	O	|	|	|	|	|	3.03
1.417	0.00	0.55	1.310	O	|	|	|	|	|	3.02
1.500	0.00	0.55	1.306	O	|	|	|	|	|	3.01
1.583	0.00	0.55	1.302	O	|	|	|	|	|	3.00
1.667	0.00	0.55	1.298	O	|	|	|	|	|	3.00
1.750	0.00	0.55	1.295	O	|	|	|	|	|	2.99
1.833	0.00	0.55	1.291	O	|	|	|	|	|	2.98
1.917	0.00	0.55	1.287	O	|	|	|	|	|	2.97
2.000	0.00	0.55	1.283	O	|	|	|	|	|	2.97
2.083	0.00	0.55	1.280	O	|	|	|	|	|	2.96
2.167	0.00	0.54	1.276	O	|	|	|	|	|	2.95
2.250	0.00	0.54	1.272	O	|	|	|	|	|	2.94
2.333	0.00	0.54	1.268	O	|	|	|	|	|	2.94
2.417	0.00	0.54	1.265	O	|	|	|	|	|	2.93
2.500	0.00	0.54	1.261	O	|	|	|	|	|	2.92
2.583	0.00	0.54	1.257	O	|	|	|	|	|	2.91
2.667	0.00	0.54	1.253	O	|	|	|	|	|	2.91
2.750	0.00	0.54	1.250	O	|	|	|	|	|	2.90
2.833	0.00	0.54	1.246	O	|	|	|	|	|	2.89
2.917	0.00	0.54	1.242	O	|	|	|	|	|	2.88
3.000	0.00	0.54	1.239	O	|	|	|	|	|	2.87
3.083	0.00	0.54	1.235	O	|	|	|	|	|	2.87
3.167	0.00	0.53	1.231	O	|	|	|	|	|	2.86
3.250	0.00	0.53	1.228	O	|	|	|	|	|	2.85
3.333	0.00	0.53	1.224	O	|	|	|	|	|	2.84
3.417	0.00	0.53	1.220	O	|	|	|	|	|	2.84
3.500	0.00	0.53	1.217	O	|	|	|	|	|	2.83
3.583	0.00	0.53	1.213	O	|	|	|	|	|	2.82
3.667	0.00	0.53	1.209	O	|	|	|	|	|	2.81
3.750	0.00	0.53	1.206	O	|	|	|	|	|	2.81
3.833	0.00	0.53	1.202	O	|	|	|	|	|	2.80
3.917	0.00	0.53	1.198	O	|	|	|	|	|	2.79
4.000	0.00	0.53	1.195	O	|	|	|	|	|	2.79
4.083	0.00	0.53	1.191	O	|	|	|	|	|	2.78
4.167	0.00	0.52	1.188	O	|	|	|	|	|	2.77
4.250	0.00	0.52	1.184	O	|	|	|	|	|	2.76
4.333	0.00	0.52	1.180	O	|	|	|	|	|	2.76
4.417	0.00	0.52	1.177	O	|	|	|	|	|	2.75
4.500	0.00	0.52	1.173	O	|	|	|	|	|	2.74
4.583	0.00	0.52	1.170	O	|	|	|	|	|	2.73
4.667	0.00	0.52	1.166	O	|	|	|	|	|	2.73
4.750	0.00	0.52	1.162	O	|	|	|	|	|	2.72
4.833	0.00	0.52	1.159	O	|	|	|	|	|	2.71
4.917	0.00	0.52	1.155	O	|	|	|	|	|	2.70
5.000	0.00	0.52	1.152	O	|	|	|	|	|	2.70
5.083	0.00	0.52	1.148	O	|	|	|	|	|	2.69
5.167	0.00	0.52	1.145	O	|	|	|	|	|	2.68
5.250	0.00	0.51	1.141	O	|	|	|	|	|	2.68
5.333	0.00	0.51	1.137	O	|	|	|	|	|	2.67
5.417	0.00	0.51	1.134	O	|	|	|	|	|	2.66
5.500	0.00	0.51	1.130	O	|	|	|	|	|	2.65
5.583	0.00	0.51	1.127	O	|	|	|	|	|	2.65
5.667	0.00	0.51	1.123	O	|	|	|	|	|	2.64

5.750	0.00	0.51	1.120	O				2.63
5.833	0.00	0.51	1.116	O				2.63
5.917	0.00	0.51	1.113	O				2.62
6.000	0.00	0.51	1.109	O				2.61
6.083	0.00	0.51	1.106	O				2.60
6.167	0.00	0.51	1.102	O				2.60
6.250	0.00	0.50	1.099	O				2.59
6.333	0.00	0.50	1.095	O				2.58
6.417	0.00	0.50	1.092	O				2.58
6.500	0.00	0.50	1.088	O				2.57
6.583	0.00	0.50	1.085	O				2.56
6.667	0.00	0.50	1.082	O				2.55
6.750	0.00	0.50	1.078	O				2.55
6.833	0.00	0.50	1.075	O				2.54
6.917	0.00	0.50	1.071	O				2.53
7.000	0.00	0.50	1.068	O				2.53
7.083	0.00	0.50	1.064	O				2.52
7.167	0.00	0.50	1.061	O				2.51
7.250	0.00	0.50	1.058	O				2.51
7.333	0.00	0.49	1.054	O				2.50
7.417	0.00	0.49	1.051	O				2.49
7.500	0.00	0.49	1.047	O				2.48
7.583	0.00	0.49	1.044	O				2.48
7.667	0.00	0.49	1.041	O				2.47
7.750	0.00	0.49	1.037	O				2.46
7.833	0.00	0.49	1.034	O				2.46
7.917	0.00	0.49	1.030	O				2.45
8.000	0.00	0.49	1.027	O				2.44
8.083	0.00	0.49	1.024	O				2.44
8.167	0.00	0.49	1.020	O				2.43
8.250	0.00	0.49	1.017	O				2.42
8.333	0.00	0.49	1.014	O				2.42
8.417	0.00	0.48	1.010	O				2.41
8.500	0.00	0.48	1.007	O				2.40
8.583	0.00	0.48	1.004	O				2.40
8.667	0.00	0.48	1.000	O				2.39
8.750	0.00	0.48	0.997	O				2.38
8.833	0.00	0.48	0.994	O				2.37
8.917	0.00	0.48	0.990	O				2.37
9.000	0.00	0.48	0.987	O				2.36
9.083	0.00	0.48	0.984	O				2.35
9.167	0.00	0.48	0.980	O				2.35
9.250	0.00	0.48	0.977	O				2.34
9.333	0.00	0.48	0.974	O				2.33
9.417	0.00	0.48	0.971	O				2.33
9.500	0.00	0.48	0.967	O				2.32
9.583	0.00	0.47	0.964	O				2.31
9.667	0.00	0.47	0.961	O				2.31
9.750	0.00	0.47	0.957	O				2.30
9.833	0.00	0.47	0.954	O				2.29
9.917	0.00	0.47	0.951	O				2.29
10.000	0.00	0.47	0.948	O				2.28
10.083	0.00	0.47	0.944	O				2.27
10.167	0.00	0.47	0.941	O				2.27
10.250	0.00	0.47	0.938	O				2.26
10.333	0.00	0.47	0.935	O				2.25
10.417	0.00	0.47	0.932	O				2.25
10.500	0.00	0.47	0.928	O				2.24
10.583	0.00	0.47	0.925	O				2.24
10.667	0.00	0.47	0.922	O				2.23
10.750	0.00	0.46	0.919	O				2.22
10.833	0.00	0.46	0.916	O				2.22
10.917	0.00	0.46	0.912	O				2.21
11.000	0.00	0.46	0.909	O				2.20
11.083	0.00	0.46	0.906	O				2.20
11.167	0.00	0.46	0.903	O				2.19
11.250	0.00	0.46	0.900	O				2.18

11.333	0.00	0.46	0.896	O					2.18
11.417	0.00	0.46	0.893	O					2.17
11.500	0.00	0.46	0.890	O					2.16
11.583	0.00	0.46	0.887	O					2.16
11.667	0.00	0.46	0.884	O					2.15
11.750	0.00	0.46	0.881	O					2.14
11.833	0.00	0.46	0.878	O					2.14
11.917	0.00	0.45	0.874	O					2.13
12.000	0.00	0.45	0.871	O					2.13
12.083	0.00	0.45	0.868	O					2.12
12.167	0.00	0.45	0.865	O					2.11
12.250	0.00	0.45	0.862	O					2.11
12.333	0.00	0.45	0.859	O					2.10
12.417	0.00	0.45	0.856	O					2.09
12.500	0.00	0.45	0.853	O					2.09
12.583	0.00	0.45	0.850	O					2.08
12.667	0.00	0.45	0.846	O					2.07
12.750	0.00	0.45	0.843	O					2.07
12.833	0.00	0.45	0.840	O					2.06
12.917	0.00	0.45	0.837	O					2.06
13.000	0.00	0.45	0.834	O					2.05
13.083	0.00	0.44	0.831	O					2.04
13.167	0.00	0.44	0.828	O					2.04
13.250	0.00	0.44	0.825	O					2.03
13.333	0.00	0.44	0.822	O					2.02
13.417	0.00	0.44	0.819	O					2.02
13.500	0.00	0.44	0.816	O					2.01
13.583	0.00	0.44	0.813	O					2.01
13.667	0.00	0.44	0.810	O					2.00
13.750	0.00	0.44	0.807	O					1.99
13.833	0.00	0.44	0.804	O					1.99
13.917	0.00	0.44	0.801	O					1.98
14.000	0.00	0.44	0.798	O					1.97
14.083	0.00	0.43	0.795	O					1.96
14.167	0.00	0.43	0.792	O					1.96
14.250	0.00	0.43	0.789	O					1.95
14.333	0.00	0.43	0.786	O					1.94
14.417	0.00	0.43	0.783	O					1.94
14.500	0.00	0.43	0.780	O					1.93
14.583	0.00	0.43	0.777	O					1.92
14.667	0.00	0.43	0.774	O					1.92
14.750	0.00	0.43	0.771	O					1.91
14.833	0.00	0.43	0.768	O					1.90
14.917	0.00	0.42	0.765	O					1.90
15.000	0.00	0.42	0.762	O					1.89
15.083	0.00	0.42	0.759	O					1.88
15.167	0.00	0.42	0.756	O					1.88
15.250	0.00	0.42	0.754	O					1.87
15.333	0.00	0.42	0.751	O					1.86
15.417	0.00	0.42	0.748	O					1.86
15.500	0.00	0.42	0.745	O					1.85
15.583	0.00	0.42	0.742	O					1.84
15.667	0.00	0.42	0.739	O					1.84
15.750	0.00	0.41	0.736	O					1.83
15.833	0.00	0.41	0.733	O					1.82
15.917	0.00	0.41	0.731	O					1.82
16.000	0.00	0.41	0.728	O					1.81
16.083	0.00	0.41	0.725	O					1.80
16.167	0.00	0.41	0.722	O					1.80
16.250	0.00	0.41	0.719	O					1.79
16.333	0.00	0.41	0.716	O					1.78
16.417	0.00	0.41	0.714	O					1.78
16.500	0.00	0.41	0.711	O					1.77
16.583	0.00	0.40	0.708	O					1.76
16.667	0.00	0.40	0.705	O					1.76
16.750	0.00	0.40	0.703	O					1.75
16.833	0.00	0.40	0.700	O					1.74

16.917	0.00	0.40	0.697	O	|	|	|	1.74
17.000	0.00	0.40	0.694	O	|	|	|	1.73
17.083	0.00	0.40	0.691	O	|	|	|	1.72
17.167	0.00	0.40	0.689	O	|	|	|	1.72
17.250	0.00	0.40	0.686	O	|	|	|	1.71
17.333	0.00	0.40	0.683	O	|	|	|	1.71
17.417	0.00	0.39	0.681	O	|	|	|	1.70
17.500	0.00	0.39	0.678	O	|	|	|	1.69
17.583	0.00	0.39	0.675	O	|	|	|	1.69
17.667	0.00	0.39	0.672	O	|	|	|	1.68
17.750	0.00	0.39	0.670	O	|	|	|	1.67
17.833	0.00	0.39	0.667	O	|	|	|	1.67
17.917	0.00	0.39	0.664	O	|	|	|	1.66
18.000	0.00	0.39	0.662	O	|	|	|	1.66
18.083	0.00	0.39	0.659	O	|	|	|	1.65
18.167	0.00	0.39	0.656	O	|	|	|	1.64
18.250	0.00	0.39	0.654	O	|	|	|	1.64
18.333	0.00	0.38	0.651	O	|	|	|	1.63
18.417	0.00	0.38	0.648	O	|	|	|	1.62
18.500	0.00	0.38	0.646	O	|	|	|	1.62
18.583	0.00	0.38	0.643	O	|	|	|	1.61
18.667	0.00	0.38	0.640	O	|	|	|	1.61
18.750	0.00	0.38	0.638	O	|	|	|	1.60
18.833	0.00	0.38	0.635	O	|	|	|	1.59
18.917	0.00	0.38	0.633	O	|	|	|	1.59
19.000	0.00	0.38	0.630	O	|	|	|	1.58
19.083	0.00	0.38	0.627	O	|	|	|	1.58
19.167	0.00	0.38	0.625	O	|	|	|	1.57
19.250	0.00	0.37	0.622	O	|	|	|	1.56
19.333	0.00	0.37	0.620	O	|	|	|	1.56
19.417	0.00	0.37	0.617	O	|	|	|	1.55
19.500	0.00	0.37	0.615	O	|	|	|	1.55
19.583	0.00	0.37	0.612	O	|	|	|	1.54
19.667	0.00	0.37	0.609	O	|	|	|	1.53
19.750	0.00	0.37	0.607	O	|	|	|	1.53
19.833	0.00	0.37	0.604	O	|	|	|	1.52
19.917	0.00	0.37	0.602	O	|	|	|	1.52
20.000	0.00	0.37	0.599	O	|	|	|	1.51
20.083	0.00	0.37	0.597	O	|	|	|	1.50
20.167	0.00	0.36	0.594	O	|	|	|	1.50
20.250	0.00	0.36	0.592	O	|	|	|	1.49
20.333	0.00	0.36	0.589	O	|	|	|	1.49
20.417	0.00	0.36	0.587	O	|	|	|	1.48
20.500	0.00	0.36	0.584	O	|	|	|	1.48
20.583	0.00	0.36	0.582	O	|	|	|	1.47
20.667	0.00	0.36	0.579	O	|	|	|	1.46
20.750	0.00	0.36	0.577	O	|	|	|	1.46
20.833	0.00	0.36	0.574	O	|	|	|	1.45
20.917	0.00	0.36	0.572	O	|	|	|	1.45
21.000	0.00	0.36	0.569	O	|	|	|	1.44
21.083	0.00	0.36	0.567	O	|	|	|	1.43
21.167	0.00	0.35	0.565	O	|	|	|	1.43
21.250	0.00	0.35	0.562	O	|	|	|	1.42
21.333	0.00	0.35	0.560	O	|	|	|	1.42
21.417	0.00	0.35	0.557	O	|	|	|	1.41
21.500	0.00	0.35	0.555	O	|	|	|	1.41
21.583	0.00	0.35	0.552	O	|	|	|	1.40
21.667	0.00	0.35	0.550	O	|	|	|	1.40
21.750	0.00	0.35	0.548	O	|	|	|	1.39
21.833	0.00	0.35	0.545	O	|	|	|	1.38
21.917	0.00	0.35	0.543	O	|	|	|	1.38
22.000	0.00	0.35	0.540	O	|	|	|	1.37
22.083	0.00	0.35	0.538	O	|	|	|	1.37
22.167	0.00	0.34	0.536	O	|	|	|	1.36
22.250	0.00	0.34	0.533	O	|	|	|	1.36
22.333	0.00	0.34	0.531	O	|	|	|	1.35
22.417	0.00	0.34	0.529	O	|	|	|	1.35

22.500	0.00	0.34	0.526	O	|	|	|	|	1.34
22.583	0.00	0.34	0.524	O	|	|	|	|	1.33
22.667	0.00	0.34	0.522	O	|	|	|	|	1.33
22.750	0.00	0.34	0.519	O	|	|	|	|	1.32
22.833	0.00	0.34	0.517	O	|	|	|	|	1.32
22.917	0.00	0.34	0.515	O	|	|	|	|	1.31
23.000	0.00	0.34	0.512	O	|	|	|	|	1.31
23.083	0.00	0.34	0.510	O	|	|	|	|	1.30
23.167	0.00	0.33	0.508	O	|	|	|	|	1.30
23.250	0.00	0.33	0.505	O	|	|	|	|	1.29
23.333	0.00	0.33	0.503	O	|	|	|	|	1.29
23.417	0.00	0.33	0.501	O	|	|	|	|	1.28
23.500	0.00	0.33	0.498	O	|	|	|	|	1.28
23.583	0.00	0.33	0.496	O	|	|	|	|	1.27
23.667	0.00	0.33	0.494	O	|	|	|	|	1.26
23.750	0.00	0.33	0.492	O	|	|	|	|	1.26
23.833	0.00	0.33	0.489	O	|	|	|	|	1.25
23.917	0.00	0.33	0.487	O	|	|	|	|	1.25
24.000	0.00	0.33	0.485	O	|	|	|	|	1.24
24.083	0.00	0.33	0.483	O	|	|	|	|	1.24
24.167	0.00	0.33	0.480	O	|	|	|	|	1.23
24.250	0.00	0.32	0.478	O	|	|	|	|	1.23
24.333	0.00	0.32	0.476	O	|	|	|	|	1.22
24.417	0.00	0.32	0.474	O	|	|	|	|	1.22
24.500	0.00	0.32	0.471	O	|	|	|	|	1.21
24.583	0.00	0.32	0.469	O	|	|	|	|	1.21
24.667	0.00	0.32	0.467	O	|	|	|	|	1.20
24.750	0.00	0.32	0.465	O	|	|	|	|	1.20
24.833	0.00	0.32	0.463	O	|	|	|	|	1.19
24.917	0.00	0.32	0.460	O	|	|	|	|	1.19
25.000	0.00	0.32	0.458	O	|	|	|	|	1.18
25.083	0.00	0.32	0.456	O	|	|	|	|	1.18
25.167	0.00	0.32	0.454	O	|	|	|	|	1.17
25.250	0.00	0.32	0.452	O	|	|	|	|	1.17
25.333	0.00	0.31	0.450	O	|	|	|	|	1.16
25.417	0.00	0.31	0.447	O	|	|	|	|	1.16
25.500	0.00	0.31	0.445	O	|	|	|	|	1.15
25.583	0.00	0.31	0.443	O	|	|	|	|	1.15
25.667	0.00	0.31	0.441	O	|	|	|	|	1.14
25.750	0.00	0.31	0.439	O	|	|	|	|	1.14
25.833	0.00	0.31	0.437	O	|	|	|	|	1.13
25.917	0.00	0.31	0.435	O	|	|	|	|	1.13
26.000	0.00	0.31	0.432	O	|	|	|	|	1.12
26.083	0.00	0.31	0.430	O	|	|	|	|	1.12
26.167	0.00	0.31	0.428	O	|	|	|	|	1.11
26.250	0.00	0.31	0.426	O	|	|	|	|	1.11
26.333	0.00	0.31	0.424	O	|	|	|	|	1.10
26.417	0.00	0.30	0.422	O	|	|	|	|	1.10
26.500	0.00	0.30	0.420	O	|	|	|	|	1.09
26.583	0.00	0.30	0.418	O	|	|	|	|	1.09
26.667	0.00	0.30	0.416	O	|	|	|	|	1.08
26.750	0.00	0.30	0.414	O	|	|	|	|	1.08
26.833	0.00	0.30	0.411	O	|	|	|	|	1.07
26.917	0.00	0.30	0.409	O	|	|	|	|	1.07
27.000	0.00	0.30	0.407	O	|	|	|	|	1.06
27.083	0.00	0.30	0.405	O	|	|	|	|	1.06
27.167	0.00	0.30	0.403	O	|	|	|	|	1.05
27.250	0.00	0.30	0.401	O	|	|	|	|	1.05
27.333	0.00	0.30	0.399	O	|	|	|	|	1.04
27.417	0.00	0.30	0.397	O	|	|	|	|	1.04
27.500	0.00	0.30	0.395	O	|	|	|	|	1.03
27.583	0.00	0.29	0.393	O	|	|	|	|	1.03
27.667	0.00	0.29	0.391	O	|	|	|	|	1.03
27.750	0.00	0.29	0.389	O	|	|	|	|	1.02
27.833	0.00	0.29	0.387	O	|	|	|	|	1.02
27.917	0.00	0.29	0.385	O	|	|	|	|	1.01
28.000	0.00	0.29	0.383	O	|	|	|	|	1.01

28.083	0.00	0.29	0.381	O	|	|	|	1.00
28.167	0.00	0.29	0.379	O	|	|	|	1.00
28.250	0.00	0.29	0.377	O	|	|	|	0.99
28.333	0.00	0.29	0.375	O	|	|	|	0.99
28.417	0.00	0.28	0.373	O	|	|	|	0.98
28.500	0.00	0.28	0.371	O	|	|	|	0.98
28.583	0.00	0.28	0.369	O	|	|	|	0.97
28.667	0.00	0.28	0.367	O	|	|	|	0.97
28.750	0.00	0.28	0.365	O	|	|	|	0.96
28.833	0.00	0.28	0.363	O	|	|	|	0.96
28.917	0.00	0.28	0.361	O	|	|	|	0.95
29.000	0.00	0.27	0.360	O	|	|	|	0.95
29.083	0.00	0.27	0.358	O	|	|	|	0.94
29.167	0.00	0.27	0.356	O	|	|	|	0.94
29.250	0.00	0.27	0.354	O	|	|	|	0.93
29.333	0.00	0.27	0.352	O	|	|	|	0.93
29.417	0.00	0.27	0.350	O	|	|	|	0.92
29.500	0.00	0.27	0.348	O	|	|	|	0.92
29.583	0.00	0.26	0.347	O	|	|	|	0.91
29.667	0.00	0.26	0.345	O	|	|	|	0.91
29.750	0.00	0.26	0.343	O	|	|	|	0.90
29.833	0.00	0.26	0.341	O	|	|	|	0.90
29.917	0.00	0.26	0.339	O	|	|	|	0.89
30.000	0.00	0.26	0.338	O	|	|	|	0.89
30.083	0.00	0.26	0.336	O	|	|	|	0.88
30.167	0.00	0.25	0.334	O	|	|	|	0.88
30.250	0.00	0.25	0.332	O	|	|	|	0.87
30.333	0.00	0.25	0.331	O	|	|	|	0.87
30.417	0.00	0.25	0.329	O	|	|	|	0.87
30.500	0.00	0.25	0.327	O	|	|	|	0.86
30.583	0.00	0.25	0.325	O	|	|	|	0.86
30.667	0.00	0.25	0.324	O	|	|	|	0.85
30.750	0.00	0.25	0.322	O	|	|	|	0.85
30.833	0.00	0.24	0.320	O	|	|	|	0.84
30.917	0.00	0.24	0.319	O	|	|	|	0.84
31.000	0.00	0.24	0.317	O	|	|	|	0.83
31.083	0.00	0.24	0.315	O	|	|	|	0.83
31.167	0.00	0.24	0.314	O	|	|	|	0.83
31.250	0.00	0.24	0.312	O	|	|	|	0.82
31.333	0.00	0.24	0.310	O	|	|	|	0.82
31.417	0.00	0.24	0.309	O	|	|	|	0.81
31.500	0.00	0.23	0.307	O	|	|	|	0.81
31.583	0.00	0.23	0.305	O	|	|	|	0.80
31.667	0.00	0.23	0.304	O	|	|	|	0.80
31.750	0.00	0.23	0.302	O	|	|	|	0.80
31.833	0.00	0.23	0.301	O	|	|	|	0.79
31.917	0.00	0.23	0.299	O	|	|	|	0.79
32.000	0.00	0.23	0.298	O	|	|	|	0.78
32.083	0.00	0.23	0.296	O	|	|	|	0.78
32.167	0.00	0.22	0.294	O	|	|	|	0.77
32.250	0.00	0.22	0.293	O	|	|	|	0.77
32.333	0.00	0.22	0.291	O	|	|	|	0.77
32.417	0.00	0.22	0.290	O	|	|	|	0.76
32.500	0.00	0.22	0.288	O	|	|	|	0.76
32.583	0.00	0.22	0.287	O	|	|	|	0.75
32.667	0.00	0.22	0.285	O	|	|	|	0.75
32.750	0.00	0.22	0.284	O	|	|	|	0.75
32.833	0.00	0.22	0.282	O	|	|	|	0.74
32.917	0.00	0.21	0.281	O	|	|	|	0.74
33.000	0.00	0.21	0.279	O	|	|	|	0.74
33.083	0.00	0.21	0.278	O	|	|	|	0.73
33.167	0.00	0.21	0.276	O	|	|	|	0.73
33.250	0.00	0.21	0.275	O	|	|	|	0.72
33.333	0.00	0.21	0.274	O	|	|	|	0.72
33.417	0.00	0.21	0.272	O	|	|	|	0.72
33.500	0.00	0.21	0.271	O	|	|	|	0.71
33.583	0.00	0.21	0.269	O	|	|	|	0.71

33.667	0.00	0.20	0.268	O	|	|	|	0.70
33.750	0.00	0.20	0.266	O	|	|	|	0.70
33.833	0.00	0.20	0.265	O	|	|	|	0.70
33.917	0.00	0.20	0.264	O	|	|	|	0.69
34.000	0.00	0.20	0.262	O	|	|	|	0.69
34.083	0.00	0.20	0.261	O	|	|	|	0.69
34.167	0.00	0.20	0.260	O	|	|	|	0.68
34.250	0.00	0.20	0.258	O	|	|	|	0.68
34.333	0.00	0.20	0.257	O	|	|	|	0.68
34.417	0.00	0.19	0.255	O	|	|	|	0.67
34.500	0.00	0.19	0.254	O	|	|	|	0.67
34.583	0.00	0.19	0.253	O	|	|	|	0.67
34.667	0.00	0.19	0.251	O	|	|	|	0.66
34.750	0.00	0.19	0.250	O	|	|	|	0.66
34.833	0.00	0.19	0.249	O	|	|	|	0.65
34.917	0.00	0.19	0.248	O	|	|	|	0.65
35.000	0.00	0.19	0.246	O	|	|	|	0.65
35.083	0.00	0.19	0.245	O	|	|	|	0.64
35.167	0.00	0.19	0.244	O	|	|	|	0.64
35.250	0.00	0.18	0.242	O	|	|	|	0.64
35.333	0.00	0.18	0.241	O	|	|	|	0.63
35.417	0.00	0.18	0.240	O	|	|	|	0.63
35.500	0.00	0.18	0.239	O	|	|	|	0.63
35.583	0.00	0.18	0.237	O	|	|	|	0.62
35.667	0.00	0.18	0.236	O	|	|	|	0.62
35.750	0.00	0.18	0.235	O	|	|	|	0.62
35.833	0.00	0.18	0.234	O	|	|	|	0.61
35.917	0.00	0.18	0.232	O	|	|	|	0.61
36.000	0.00	0.18	0.231	O	|	|	|	0.61
36.083	0.00	0.18	0.230	O	|	|	|	0.61
36.167	0.00	0.17	0.229	O	|	|	|	0.60
36.250	0.00	0.17	0.228	O	|	|	|	0.60
36.333	0.00	0.17	0.226	O	|	|	|	0.60
36.417	0.00	0.17	0.225	O	|	|	|	0.59
36.500	0.00	0.17	0.224	O	|	|	|	0.59
36.583	0.00	0.17	0.223	O	|	|	|	0.59
36.667	0.00	0.17	0.222	O	|	|	|	0.58
36.750	0.00	0.17	0.221	O	|	|	|	0.58
36.833	0.00	0.17	0.219	O	|	|	|	0.58
36.917	0.00	0.17	0.218	O	|	|	|	0.57
37.000	0.00	0.17	0.217	O	|	|	|	0.57
37.083	0.00	0.16	0.216	O	|	|	|	0.57
37.167	0.00	0.16	0.215	O	|	|	|	0.57
37.250	0.00	0.16	0.214	O	|	|	|	0.56
37.333	0.00	0.16	0.213	O	|	|	|	0.56
37.417	0.00	0.16	0.211	O	|	|	|	0.56
37.500	0.00	0.16	0.210	O	|	|	|	0.55
37.583	0.00	0.16	0.209	O	|	|	|	0.55
37.667	0.00	0.16	0.208	O	|	|	|	0.55
37.750	0.00	0.16	0.207	O	|	|	|	0.54
37.833	0.00	0.16	0.206	O	|	|	|	0.54
37.917	0.00	0.16	0.205	O	|	|	|	0.54
38.000	0.00	0.16	0.204	O	|	|	|	0.54
38.083	0.00	0.15	0.203	O	|	|	|	0.53
38.167	0.00	0.15	0.202	O	|	|	|	0.53
38.250	0.00	0.15	0.201	O	|	|	|	0.53
38.333	0.00	0.15	0.200	O	|	|	|	0.53
38.417	0.00	0.15	0.199	O	|	|	|	0.52
38.500	0.00	0.15	0.197	O	|	|	|	0.52
38.583	0.00	0.15	0.196	O	|	|	|	0.52
38.667	0.00	0.15	0.195	O	|	|	|	0.51
38.750	0.00	0.15	0.194	O	|	|	|	0.51
38.833	0.00	0.15	0.193	O	|	|	|	0.51
38.917	0.00	0.15	0.192	O	|	|	|	0.51
39.000	0.00	0.15	0.191	O	|	|	|	0.50
39.083	0.00	0.15	0.190	O	|	|	|	0.50
39.167	0.00	0.14	0.189	O	|	|	|	0.50

39.250	0.00	0.14	0.188	O	|	|	|	|	0.50
39.333	0.00	0.14	0.187	O	|	|	|	|	0.49
39.417	0.00	0.14	0.186	O	|	|	|	|	0.49
39.500	0.00	0.14	0.185	O	|	|	|	|	0.49
39.583	0.00	0.14	0.184	O	|	|	|	|	0.49
39.667	0.00	0.14	0.183	O	|	|	|	|	0.48
39.750	0.00	0.14	0.182	O	|	|	|	|	0.48
39.833	0.00	0.14	0.182	O	|	|	|	|	0.48
39.917	0.00	0.14	0.181	O	|	|	|	|	0.48
40.000	0.00	0.14	0.180	O	|	|	|	|	0.47
40.083	0.00	0.14	0.179	O	|	|	|	|	0.47
40.167	0.00	0.14	0.178	O	|	|	|	|	0.47
40.250	0.00	0.13	0.177	O	|	|	|	|	0.47
40.333	0.00	0.13	0.176	O	|	|	|	|	0.46
40.417	0.00	0.13	0.175	O	|	|	|	|	0.46
40.500	0.00	0.13	0.174	O	|	|	|	|	0.46
40.583	0.00	0.13	0.173	O	|	|	|	|	0.46
40.667	0.00	0.13	0.172	O	|	|	|	|	0.45
40.750	0.00	0.13	0.171	O	|	|	|	|	0.45
40.833	0.00	0.13	0.170	O	|	|	|	|	0.45
40.917	0.00	0.13	0.170	O	|	|	|	|	0.45
41.000	0.00	0.13	0.169	O	|	|	|	|	0.44
41.083	0.00	0.13	0.168	O	|	|	|	|	0.44
41.167	0.00	0.13	0.167	O	|	|	|	|	0.44
41.250	0.00	0.13	0.166	O	|	|	|	|	0.44
41.333	0.00	0.13	0.165	O	|	|	|	|	0.43
41.417	0.00	0.13	0.164	O	|	|	|	|	0.43
41.500	0.00	0.12	0.163	O	|	|	|	|	0.43
41.583	0.00	0.12	0.163	O	|	|	|	|	0.43
41.667	0.00	0.12	0.162	O	|	|	|	|	0.43
41.750	0.00	0.12	0.161	O	|	|	|	|	0.42
41.833	0.00	0.12	0.160	O	|	|	|	|	0.42
41.917	0.00	0.12	0.159	O	|	|	|	|	0.42
42.000	0.00	0.12	0.158	O	|	|	|	|	0.42
42.083	0.00	0.12	0.158	O	|	|	|	|	0.41
42.167	0.00	0.12	0.157	O	|	|	|	|	0.41
42.250	0.00	0.12	0.156	O	|	|	|	|	0.41
42.333	0.00	0.12	0.155	O	|	|	|	|	0.41
42.417	0.00	0.12	0.154	O	|	|	|	|	0.41
42.500	0.00	0.12	0.153	O	|	|	|	|	0.40
42.583	0.00	0.12	0.153	O	|	|	|	|	0.40
42.667	0.00	0.12	0.152	O	|	|	|	|	0.40
42.750	0.00	0.12	0.151	O	|	|	|	|	0.40
42.833	0.00	0.11	0.150	O	|	|	|	|	0.40
42.917	0.00	0.11	0.149	O	|	|	|	|	0.39
43.000	0.00	0.11	0.149	O	|	|	|	|	0.39
43.083	0.00	0.11	0.148	O	|	|	|	|	0.39
43.167	0.00	0.11	0.147	O	|	|	|	|	0.39
43.250	0.00	0.11	0.146	O	|	|	|	|	0.39
43.333	0.00	0.11	0.146	O	|	|	|	|	0.38
43.417	0.00	0.11	0.145	O	|	|	|	|	0.38
43.500	0.00	0.11	0.144	O	|	|	|	|	0.38
43.583	0.00	0.11	0.143	O	|	|	|	|	0.38
43.667	0.00	0.11	0.143	O	|	|	|	|	0.38
43.750	0.00	0.11	0.142	O	|	|	|	|	0.37
43.833	0.00	0.11	0.141	O	|	|	|	|	0.37
43.917	0.00	0.11	0.140	O	|	|	|	|	0.37
44.000	0.00	0.11	0.140	O	|	|	|	|	0.37
44.083	0.00	0.11	0.139	O	|	|	|	|	0.37
44.167	0.00	0.11	0.138	O	|	|	|	|	0.36
44.250	0.00	0.10	0.137	O	|	|	|	|	0.36
44.333	0.00	0.10	0.137	O	|	|	|	|	0.36
44.417	0.00	0.10	0.136	O	|	|	|	|	0.36
44.500	0.00	0.10	0.135	O	|	|	|	|	0.36
44.583	0.00	0.10	0.135	O	|	|	|	|	0.35
44.667	0.00	0.10	0.134	O	|	|	|	|	0.35
44.750	0.00	0.10	0.133	O	|	|	|	|	0.35

44.833	0.00	0.10	0.132	O	|	|	|	|	0.35
44.917	0.00	0.10	0.132	O	|	|	|	|	0.35
45.000	0.00	0.10	0.131	O	|	|	|	|	0.34
45.083	0.00	0.10	0.130	O	|	|	|	|	0.34
45.167	0.00	0.10	0.130	O	|	|	|	|	0.34
45.250	0.00	0.10	0.129	O	|	|	|	|	0.34
45.333	0.00	0.10	0.128	O	|	|	|	|	0.34
45.417	0.00	0.10	0.128	O	|	|	|	|	0.34
45.500	0.00	0.10	0.127	O	|	|	|	|	0.33
45.583	0.00	0.10	0.126	O	|	|	|	|	0.33
45.667	0.00	0.10	0.126	O	|	|	|	|	0.33
45.750	0.00	0.10	0.125	O	|	|	|	|	0.33
45.833	0.00	0.09	0.124	O	|	|	|	|	0.33
45.917	0.00	0.09	0.124	O	|	|	|	|	0.33
46.000	0.00	0.09	0.123	O	|	|	|	|	0.32
46.083	0.00	0.09	0.122	O	|	|	|	|	0.32
46.167	0.00	0.09	0.122	O	|	|	|	|	0.32
46.250	0.00	0.09	0.121	O	|	|	|	|	0.32
46.333	0.00	0.09	0.120	O	|	|	|	|	0.32
46.417	0.00	0.09	0.120	O	|	|	|	|	0.32
46.500	0.00	0.09	0.119	O	|	|	|	|	0.31
46.583	0.00	0.09	0.119	O	|	|	|	|	0.31
46.667	0.00	0.09	0.118	O	|	|	|	|	0.31
46.750	0.00	0.09	0.117	O	|	|	|	|	0.31
46.833	0.00	0.09	0.117	O	|	|	|	|	0.31
46.917	0.00	0.09	0.116	O	|	|	|	|	0.31
47.000	0.00	0.09	0.116	O	|	|	|	|	0.30
47.083	0.00	0.09	0.115	O	|	|	|	|	0.30
47.167	0.00	0.09	0.114	O	|	|	|	|	0.30
47.250	0.00	0.09	0.114	O	|	|	|	|	0.30
47.333	0.00	0.09	0.113	O	|	|	|	|	0.30
47.417	0.00	0.09	0.113	O	|	|	|	|	0.30
47.500	0.00	0.09	0.112	O	|	|	|	|	0.29
47.583	0.00	0.08	0.111	O	|	|	|	|	0.29
47.667	0.00	0.08	0.111	O	|	|	|	|	0.29
47.750	0.00	0.08	0.110	O	|	|	|	|	0.29
47.833	0.00	0.08	0.110	O	|	|	|	|	0.29
47.917	0.00	0.08	0.109	O	|	|	|	|	0.29
48.000	0.00	0.08	0.108	O	|	|	|	|	0.29
48.083	0.00	0.08	0.108	O	|	|	|	|	0.28
48.167	0.00	0.08	0.107	O	|	|	|	|	0.28
48.250	0.00	0.08	0.107	O	|	|	|	|	0.28
48.333	0.00	0.08	0.106	O	|	|	|	|	0.28
48.417	0.00	0.08	0.106	O	|	|	|	|	0.28
48.500	0.00	0.08	0.105	O	|	|	|	|	0.28
48.583	0.00	0.08	0.105	O	|	|	|	|	0.28
48.667	0.00	0.08	0.104	O	|	|	|	|	0.27
48.750	0.00	0.08	0.103	O	|	|	|	|	0.27
48.833	0.00	0.08	0.103	O	|	|	|	|	0.27
48.917	0.00	0.08	0.102	O	|	|	|	|	0.27
49.000	0.00	0.08	0.102	O	|	|	|	|	0.27
49.083	0.00	0.08	0.101	O	|	|	|	|	0.27
49.167	0.00	0.08	0.101	O	|	|	|	|	0.27
49.250	0.00	0.08	0.100	O	|	|	|	|	0.26
49.333	0.00	0.08	0.100	O	|	|	|	|	0.26
49.417	0.00	0.08	0.099	O	|	|	|	|	0.26
49.500	0.00	0.08	0.099	O	|	|	|	|	0.26
49.583	0.00	0.07	0.098	O	|	|	|	|	0.26
49.667	0.00	0.07	0.098	O	|	|	|	|	0.26
49.750	0.00	0.07	0.097	O	|	|	|	|	0.26
49.833	0.00	0.07	0.097	O	|	|	|	|	0.25
49.917	0.00	0.07	0.096	O	|	|	|	|	0.25
50.000	0.00	0.07	0.096	O	|	|	|	|	0.25
50.083	0.00	0.07	0.095	O	|	|	|	|	0.25
50.167	0.00	0.07	0.095	O	|	|	|	|	0.25
50.250	0.00	0.07	0.094	O	|	|	|	|	0.25
50.333	0.00	0.07	0.094	O	|	|	|	|	0.25

50.417	0.00	0.07	0.093	O	|	|	|	|	0.25
50.500	0.00	0.07	0.093	O	|	|	|	|	0.24
50.583	0.00	0.07	0.092	O	|	|	|	|	0.24
50.667	0.00	0.07	0.092	O	|	|	|	|	0.24
50.750	0.00	0.07	0.091	O	|	|	|	|	0.24
50.833	0.00	0.07	0.091	O	|	|	|	|	0.24
50.917	0.00	0.07	0.090	O	|	|	|	|	0.24
51.000	0.00	0.07	0.090	O	|	|	|	|	0.24
51.083	0.00	0.07	0.089	O	|	|	|	|	0.23
51.167	0.00	0.07	0.089	O	|	|	|	|	0.23
51.250	0.00	0.07	0.088	O	|	|	|	|	0.23
51.333	0.00	0.07	0.088	O	|	|	|	|	0.23
51.417	0.00	0.07	0.087	O	|	|	|	|	0.23
51.500	0.00	0.07	0.087	O	|	|	|	|	0.23
51.583	0.00	0.07	0.087	O	|	|	|	|	0.23
51.667	0.00	0.07	0.086	O	|	|	|	|	0.23
51.750	0.00	0.07	0.086	O	|	|	|	|	0.23
51.833	0.00	0.06	0.085	O	|	|	|	|	0.22
51.917	0.00	0.06	0.085	O	|	|	|	|	0.22
52.000	0.00	0.06	0.084	O	|	|	|	|	0.22
52.083	0.00	0.06	0.084	O	|	|	|	|	0.22
52.167	0.00	0.06	0.083	O	|	|	|	|	0.22
52.250	0.00	0.06	0.083	O	|	|	|	|	0.22
52.333	0.00	0.06	0.083	O	|	|	|	|	0.22
52.417	0.00	0.06	0.082	O	|	|	|	|	0.22
52.500	0.00	0.06	0.082	O	|	|	|	|	0.21
52.583	0.00	0.06	0.081	O	|	|	|	|	0.21
52.667	0.00	0.06	0.081	O	|	|	|	|	0.21
52.750	0.00	0.06	0.080	O	|	|	|	|	0.21
52.833	0.00	0.06	0.080	O	|	|	|	|	0.21
52.917	0.00	0.06	0.080	O	|	|	|	|	0.21
53.000	0.00	0.06	0.079	O	|	|	|	|	0.21
53.083	0.00	0.06	0.079	O	|	|	|	|	0.21
53.167	0.00	0.06	0.078	O	|	|	|	|	0.21
53.250	0.00	0.06	0.078	O	|	|	|	|	0.20
53.333	0.00	0.06	0.077	O	|	|	|	|	0.20
53.417	0.00	0.06	0.077	O	|	|	|	|	0.20
53.500	0.00	0.06	0.077	O	|	|	|	|	0.20
53.583	0.00	0.06	0.076	O	|	|	|	|	0.20
53.667	0.00	0.06	0.076	O	|	|	|	|	0.20
53.750	0.00	0.06	0.075	O	|	|	|	|	0.20
53.833	0.00	0.06	0.075	O	|	|	|	|	0.20
53.917	0.00	0.06	0.075	O	|	|	|	|	0.20
54.000	0.00	0.06	0.074	O	|	|	|	|	0.20
54.083	0.00	0.06	0.074	O	|	|	|	|	0.19
54.167	0.00	0.06	0.074	O	|	|	|	|	0.19
54.250	0.00	0.06	0.073	O	|	|	|	|	0.19
54.333	0.00	0.06	0.073	O	|	|	|	|	0.19
54.417	0.00	0.06	0.072	O	|	|	|	|	0.19
54.500	0.00	0.05	0.072	O	|	|	|	|	0.19
54.583	0.00	0.05	0.072	O	|	|	|	|	0.19
54.667	0.00	0.05	0.071	O	|	|	|	|	0.19
54.750	0.00	0.05	0.071	O	|	|	|	|	0.19
54.833	0.00	0.05	0.070	O	|	|	|	|	0.19
54.917	0.00	0.05	0.070	O	|	|	|	|	0.18
55.000	0.00	0.05	0.070	O	|	|	|	|	0.18
55.083	0.00	0.05	0.069	O	|	|	|	|	0.18
55.167	0.00	0.05	0.069	O	|	|	|	|	0.18
55.250	0.00	0.05	0.069	O	|	|	|	|	0.18
55.333	0.00	0.05	0.068	O	|	|	|	|	0.18
55.417	0.00	0.05	0.068	O	|	|	|	|	0.18
55.500	0.00	0.05	0.068	O	|	|	|	|	0.18
55.583	0.00	0.05	0.067	O	|	|	|	|	0.18
55.667	0.00	0.05	0.067	O	|	|	|	|	0.18
55.750	0.00	0.05	0.067	O	|	|	|	|	0.18
55.833	0.00	0.05	0.066	O	|	|	|	|	0.17
55.917	0.00	0.05	0.066	O	|	|	|	|	0.17

56.000	0.00	0.05	0.065	O	|	|	|	0.17
56.083	0.00	0.05	0.065	O	|	|	|	0.17
56.167	0.00	0.05	0.065	O	|	|	|	0.17
56.250	0.00	0.05	0.064	O	|	|	|	0.17
56.333	0.00	0.05	0.064	O	|	|	|	0.17
56.417	0.00	0.05	0.064	O	|	|	|	0.17
56.500	0.00	0.05	0.063	O	|	|	|	0.17
56.583	0.00	0.05	0.063	O	|	|	|	0.17
56.667	0.00	0.05	0.063	O	|	|	|	0.17
56.750	0.00	0.05	0.062	O	|	|	|	0.16
56.833	0.00	0.05	0.062	O	|	|	|	0.16
56.917	0.00	0.05	0.062	O	|	|	|	0.16
57.000	0.00	0.05	0.061	O	|	|	|	0.16
57.083	0.00	0.05	0.061	O	|	|	|	0.16
57.167	0.00	0.05	0.061	O	|	|	|	0.16
57.250	0.00	0.05	0.061	O	|	|	|	0.16
57.333	0.00	0.05	0.060	O	|	|	|	0.16
57.417	0.00	0.05	0.060	O	|	|	|	0.16
57.500	0.00	0.05	0.060	O	|	|	|	0.16
57.583	0.00	0.05	0.059	O	|	|	|	0.16
57.667	0.00	0.04	0.059	O	|	|	|	0.16
57.750	0.00	0.04	0.059	O	|	|	|	0.15
57.833	0.00	0.04	0.058	O	|	|	|	0.15
57.917	0.00	0.04	0.058	O	|	|	|	0.15
58.000	0.00	0.04	0.058	O	|	|	|	0.15
58.083	0.00	0.04	0.057	O	|	|	|	0.15
58.167	0.00	0.04	0.057	O	|	|	|	0.15
58.250	0.00	0.04	0.057	O	|	|	|	0.15
58.333	0.00	0.04	0.057	O	|	|	|	0.15
58.417	0.00	0.04	0.056	O	|	|	|	0.15
58.500	0.00	0.04	0.056	O	|	|	|	0.15
58.583	0.00	0.04	0.056	O	|	|	|	0.15
58.667	0.00	0.04	0.055	O	|	|	|	0.15
58.750	0.00	0.04	0.055	O	|	|	|	0.14
58.833	0.00	0.04	0.055	O	|	|	|	0.14
58.917	0.00	0.04	0.054	O	|	|	|	0.14
59.000	0.00	0.04	0.054	O	|	|	|	0.14
59.083	0.00	0.04	0.054	O	|	|	|	0.14
59.167	0.00	0.04	0.054	O	|	|	|	0.14
59.250	0.00	0.04	0.053	O	|	|	|	0.14
59.333	0.00	0.04	0.053	O	|	|	|	0.14
59.417	0.00	0.04	0.053	O	|	|	|	0.14
59.500	0.00	0.04	0.053	O	|	|	|	0.14
59.583	0.00	0.04	0.052	O	|	|	|	0.14
59.667	0.00	0.04	0.052	O	|	|	|	0.14
59.750	0.00	0.04	0.052	O	|	|	|	0.14
59.833	0.00	0.04	0.051	O	|	|	|	0.14
59.917	0.00	0.04	0.051	O	|	|	|	0.13
60.000	0.00	0.04	0.051	O	|	|	|	0.13
60.083	0.00	0.04	0.051	O	|	|	|	0.13
60.167	0.00	0.04	0.050	O	|	|	|	0.13
60.250	0.00	0.04	0.050	O	|	|	|	0.13
60.333	0.00	0.04	0.050	O	|	|	|	0.13
60.417	0.00	0.04	0.050	O	|	|	|	0.13
60.500	0.00	0.04	0.049	O	|	|	|	0.13
60.583	0.00	0.04	0.049	O	|	|	|	0.13
60.667	0.00	0.04	0.049	O	|	|	|	0.13
60.750	0.00	0.04	0.049	O	|	|	|	0.13
60.833	0.00	0.04	0.048	O	|	|	|	0.13
60.917	0.00	0.04	0.048	O	|	|	|	0.13
61.000	0.00	0.04	0.048	O	|	|	|	0.13
61.083	0.00	0.04	0.048	O	|	|	|	0.13
61.167	0.00	0.04	0.047	O	|	|	|	0.12
61.250	0.00	0.04	0.047	O	|	|	|	0.12
61.333	0.00	0.04	0.047	O	|	|	|	0.12
61.417	0.00	0.04	0.047	O	|	|	|	0.12
61.500	0.00	0.04	0.046	O	|	|	|	0.12

61.583	0.00	0.04	0.046	O	|	|	|	|	0.12
61.667	0.00	0.03	0.046	O	|	|	|	|	0.12
61.750	0.00	0.03	0.046	O	|	|	|	|	0.12
61.833	0.00	0.03	0.045	O	|	|	|	|	0.12
61.917	0.00	0.03	0.045	O	|	|	|	|	0.12
62.000	0.00	0.03	0.045	O	|	|	|	|	0.12
62.083	0.00	0.03	0.045	O	|	|	|	|	0.12
62.167	0.00	0.03	0.044	O	|	|	|	|	0.12
62.250	0.00	0.03	0.044	O	|	|	|	|	0.12
62.333	0.00	0.03	0.044	O	|	|	|	|	0.12
62.417	0.00	0.03	0.044	O	|	|	|	|	0.11
62.500	0.00	0.03	0.043	O	|	|	|	|	0.11
62.583	0.00	0.03	0.043	O	|	|	|	|	0.11
62.667	0.00	0.03	0.043	O	|	|	|	|	0.11
62.750	0.00	0.03	0.043	O	|	|	|	|	0.11
62.833	0.00	0.03	0.043	O	|	|	|	|	0.11
62.917	0.00	0.03	0.042	O	|	|	|	|	0.11
63.000	0.00	0.03	0.042	O	|	|	|	|	0.11
63.083	0.00	0.03	0.042	O	|	|	|	|	0.11
63.167	0.00	0.03	0.042	O	|	|	|	|	0.11
63.250	0.00	0.03	0.041	O	|	|	|	|	0.11
63.333	0.00	0.03	0.041	O	|	|	|	|	0.11
63.417	0.00	0.03	0.041	O	|	|	|	|	0.11
63.500	0.00	0.03	0.041	O	|	|	|	|	0.11
63.583	0.00	0.03	0.041	O	|	|	|	|	0.11
63.667	0.00	0.03	0.040	O	|	|	|	|	0.11
63.750	0.00	0.03	0.040	O	|	|	|	|	0.11
63.833	0.00	0.03	0.040	O	|	|	|	|	0.11
63.917	0.00	0.03	0.040	O	|	|	|	|	0.10
64.000	0.00	0.03	0.040	O	|	|	|	|	0.10
64.083	0.00	0.03	0.039	O	|	|	|	|	0.10
64.167	0.00	0.03	0.039	O	|	|	|	|	0.10
64.250	0.00	0.03	0.039	O	|	|	|	|	0.10
64.333	0.00	0.03	0.039	O	|	|	|	|	0.10
64.417	0.00	0.03	0.039	O	|	|	|	|	0.10
64.500	0.00	0.03	0.038	O	|	|	|	|	0.10
64.583	0.00	0.03	0.038	O	|	|	|	|	0.10
64.667	0.00	0.03	0.038	O	|	|	|	|	0.10
64.750	0.00	0.03	0.038	O	|	|	|	|	0.10
64.833	0.00	0.03	0.038	O	|	|	|	|	0.10
64.917	0.00	0.03	0.037	O	|	|	|	|	0.10
65.000	0.00	0.03	0.037	O	|	|	|	|	0.10
65.083	0.00	0.03	0.037	O	|	|	|	|	0.10
65.167	0.00	0.03	0.037	O	|	|	|	|	0.10
65.250	0.00	0.03	0.037	O	|	|	|	|	0.10
65.333	0.00	0.03	0.036	O	|	|	|	|	0.10
65.417	0.00	0.03	0.036	O	|	|	|	|	0.10
65.500	0.00	0.03	0.036	O	|	|	|	|	0.09
65.583	0.00	0.03	0.036	O	|	|	|	|	0.09
65.667	0.00	0.03	0.036	O	|	|	|	|	0.09
65.750	0.00	0.03	0.035	O	|	|	|	|	0.09
65.833	0.00	0.03	0.035	O	|	|	|	|	0.09
65.917	0.00	0.03	0.035	O	|	|	|	|	0.09
66.000	0.00	0.03	0.035	O	|	|	|	|	0.09
66.083	0.00	0.03	0.035	O	|	|	|	|	0.09
66.167	0.00	0.03	0.034	O	|	|	|	|	0.09
66.250	0.00	0.03	0.034	O	|	|	|	|	0.09
66.333	0.00	0.03	0.034	O	|	|	|	|	0.09
66.417	0.00	0.03	0.034	O	|	|	|	|	0.09
66.500	0.00	0.03	0.034	O	|	|	|	|	0.09
66.583	0.00	0.03	0.034	O	|	|	|	|	0.09
66.667	0.00	0.03	0.033	O	|	|	|	|	0.09
66.750	0.00	0.03	0.033	O	|	|	|	|	0.09
66.833	0.00	0.03	0.033	O	|	|	|	|	0.09
66.917	0.00	0.03	0.033	O	|	|	|	|	0.09
67.000	0.00	0.02	0.033	O	|	|	|	|	0.09
67.083	0.00	0.02	0.033	O	|	|	|	|	0.09

67.167	0.00	0.02	0.032	O	|	|	|	|	0.09
67.250	0.00	0.02	0.032	O	|	|	|	|	0.08
67.333	0.00	0.02	0.032	O	|	|	|	|	0.08
67.417	0.00	0.02	0.032	O	|	|	|	|	0.08
67.500	0.00	0.02	0.032	O	|	|	|	|	0.08
67.583	0.00	0.02	0.032	O	|	|	|	|	0.08
67.667	0.00	0.02	0.031	O	|	|	|	|	0.08
67.750	0.00	0.02	0.031	O	|	|	|	|	0.08
67.833	0.00	0.02	0.031	O	|	|	|	|	0.08
67.917	0.00	0.02	0.031	O	|	|	|	|	0.08
68.000	0.00	0.02	0.031	O	|	|	|	|	0.08
68.083	0.00	0.02	0.031	O	|	|	|	|	0.08
68.167	0.00	0.02	0.030	O	|	|	|	|	0.08
68.250	0.00	0.02	0.030	O	|	|	|	|	0.08
68.333	0.00	0.02	0.030	O	|	|	|	|	0.08
68.417	0.00	0.02	0.030	O	|	|	|	|	0.08
68.500	0.00	0.02	0.030	O	|	|	|	|	0.08
68.583	0.00	0.02	0.030	O	|	|	|	|	0.08
68.667	0.00	0.02	0.029	O	|	|	|	|	0.08
68.750	0.00	0.02	0.029	O	|	|	|	|	0.08
68.833	0.00	0.02	0.029	O	|	|	|	|	0.08
68.917	0.00	0.02	0.029	O	|	|	|	|	0.08
69.000	0.00	0.02	0.029	O	|	|	|	|	0.08
69.083	0.00	0.02	0.029	O	|	|	|	|	0.08
69.167	0.00	0.02	0.029	O	|	|	|	|	0.08
69.250	0.00	0.02	0.028	O	|	|	|	|	0.07
69.333	0.00	0.02	0.028	O	|	|	|	|	0.07
69.417	0.00	0.02	0.028	O	|	|	|	|	0.07
69.500	0.00	0.02	0.028	O	|	|	|	|	0.07
69.583	0.00	0.02	0.028	O	|	|	|	|	0.07
69.667	0.00	0.02	0.028	O	|	|	|	|	0.07
69.750	0.00	0.02	0.028	O	|	|	|	|	0.07
69.833	0.00	0.02	0.027	O	|	|	|	|	0.07
69.917	0.00	0.02	0.027	O	|	|	|	|	0.07
70.000	0.00	0.02	0.027	O	|	|	|	|	0.07
70.083	0.00	0.02	0.027	O	|	|	|	|	0.07
70.167	0.00	0.02	0.027	O	|	|	|	|	0.07
70.250	0.00	0.02	0.027	O	|	|	|	|	0.07
70.333	0.00	0.02	0.027	O	|	|	|	|	0.07
70.417	0.00	0.02	0.026	O	|	|	|	|	0.07
70.500	0.00	0.02	0.026	O	|	|	|	|	0.07
70.583	0.00	0.02	0.026	O	|	|	|	|	0.07
70.667	0.00	0.02	0.026	O	|	|	|	|	0.07
70.750	0.00	0.02	0.026	O	|	|	|	|	0.07
70.833	0.00	0.02	0.026	O	|	|	|	|	0.07
70.917	0.00	0.02	0.026	O	|	|	|	|	0.07
71.000	0.00	0.02	0.025	O	|	|	|	|	0.07
71.083	0.00	0.02	0.025	O	|	|	|	|	0.07
71.167	0.00	0.02	0.025	O	|	|	|	|	0.07
71.250	0.00	0.02	0.025	O	|	|	|	|	0.07
71.333	0.00	0.02	0.025	O	|	|	|	|	0.07
71.417	0.00	0.02	0.025	O	|	|	|	|	0.07
71.500	0.00	0.02	0.025	O	|	|	|	|	0.06
71.583	0.00	0.02	0.025	O	|	|	|	|	0.06
71.667	0.00	0.02	0.024	O	|	|	|	|	0.06
71.750	0.00	0.02	0.024	O	|	|	|	|	0.06
71.833	0.00	0.02	0.024	O	|	|	|	|	0.06
71.917	0.00	0.02	0.024	O	|	|	|	|	0.06
72.000	0.00	0.02	0.024	O	|	|	|	|	0.06
72.083	0.00	0.02	0.024	O	|	|	|	|	0.06
72.167	0.00	0.02	0.024	O	|	|	|	|	0.06
72.250	0.00	0.02	0.023	O	|	|	|	|	0.06
72.333	0.00	0.02	0.023	O	|	|	|	|	0.06
72.417	0.00	0.02	0.023	O	|	|	|	|	0.06
72.500	0.00	0.02	0.023	O	|	|	|	|	0.06
72.583	0.00	0.02	0.023	O	|	|	|	|	0.06
72.667	0.00	0.02	0.023	O	|	|	|	|	0.06

72.750	0.00	0.02	0.023	O	|	|	|	0.06
72.833	0.00	0.02	0.023	O	|	|	|	0.06
72.917	0.00	0.02	0.023	O	|	|	|	0.06
73.000	0.00	0.02	0.022	O	|	|	|	0.06
73.083	0.00	0.02	0.022	O	|	|	|	0.06
73.167	0.00	0.02	0.022	O	|	|	|	0.06
73.250	0.00	0.02	0.022	O	|	|	|	0.06
73.333	0.00	0.02	0.022	O	|	|	|	0.06
73.417	0.00	0.02	0.022	O	|	|	|	0.06
73.500	0.00	0.02	0.022	O	|	|	|	0.06
73.583	0.00	0.02	0.022	O	|	|	|	0.06
73.667	0.00	0.02	0.021	O	|	|	|	0.06
73.750	0.00	0.02	0.021	O	|	|	|	0.06
73.833	0.00	0.02	0.021	O	|	|	|	0.06
73.917	0.00	0.02	0.021	O	|	|	|	0.06
74.000	0.00	0.02	0.021	O	|	|	|	0.06
74.083	0.00	0.02	0.021	O	|	|	|	0.06
74.167	0.00	0.02	0.021	O	|	|	|	0.05
74.250	0.00	0.02	0.021	O	|	|	|	0.05
74.333	0.00	0.02	0.021	O	|	|	|	0.05
74.417	0.00	0.02	0.020	O	|	|	|	0.05
74.500	0.00	0.02	0.020	O	|	|	|	0.05
74.583	0.00	0.02	0.020	O	|	|	|	0.05
74.667	0.00	0.02	0.020	O	|	|	|	0.05
74.750	0.00	0.02	0.020	O	|	|	|	0.05
74.833	0.00	0.02	0.020	O	|	|	|	0.05
74.917	0.00	0.02	0.020	O	|	|	|	0.05
75.000	0.00	0.02	0.020	O	|	|	|	0.05
75.083	0.00	0.01	0.020	O	|	|	|	0.05
75.167	0.00	0.01	0.020	O	|	|	|	0.05
75.250	0.00	0.01	0.019	O	|	|	|	0.05
75.333	0.00	0.01	0.019	O	|	|	|	0.05
75.417	0.00	0.01	0.019	O	|	|	|	0.05
75.500	0.00	0.01	0.019	O	|	|	|	0.05
75.583	0.00	0.01	0.019	O	|	|	|	0.05
75.667	0.00	0.01	0.019	O	|	|	|	0.05
75.750	0.00	0.01	0.019	O	|	|	|	0.05
75.833	0.00	0.01	0.019	O	|	|	|	0.05
75.917	0.00	0.01	0.019	O	|	|	|	0.05
76.000	0.00	0.01	0.019	O	|	|	|	0.05
76.083	0.00	0.01	0.018	O	|	|	|	0.05
76.167	0.00	0.01	0.018	O	|	|	|	0.05
76.250	0.00	0.01	0.018	O	|	|	|	0.05
76.333	0.00	0.01	0.018	O	|	|	|	0.05
76.417	0.00	0.01	0.018	O	|	|	|	0.05
76.500	0.00	0.01	0.018	O	|	|	|	0.05
76.583	0.00	0.01	0.018	O	|	|	|	0.05
76.667	0.00	0.01	0.018	O	|	|	|	0.05
76.750	0.00	0.01	0.018	O	|	|	|	0.05
76.833	0.00	0.01	0.018	O	|	|	|	0.05
76.917	0.00	0.01	0.018	O	|	|	|	0.05
77.000	0.00	0.01	0.017	O	|	|	|	0.05
77.083	0.00	0.01	0.017	O	|	|	|	0.05
77.167	0.00	0.01	0.017	O	|	|	|	0.05
77.250	0.00	0.01	0.017	O	|	|	|	0.05
77.333	0.00	0.01	0.017	O	|	|	|	0.04
77.417	0.00	0.01	0.017	O	|	|	|	0.04
77.500	0.00	0.01	0.017	O	|	|	|	0.04
77.583	0.00	0.01	0.017	O	|	|	|	0.04
77.667	0.00	0.01	0.017	O	|	|	|	0.04
77.750	0.00	0.01	0.017	O	|	|	|	0.04
77.833	0.00	0.01	0.017	O	|	|	|	0.04
77.917	0.00	0.01	0.016	O	|	|	|	0.04
78.000	0.00	0.01	0.016	O	|	|	|	0.04
78.083	0.00	0.01	0.016	O	|	|	|	0.04
78.167	0.00	0.01	0.016	O	|	|	|	0.04
78.250	0.00	0.01	0.016	O	|	|	|	0.04

78.333	0.00	0.01	0.016	O	|	|	|	0.04
78.417	0.00	0.01	0.016	O	|	|	|	0.04
78.500	0.00	0.01	0.016	O	|	|	|	0.04
78.583	0.00	0.01	0.016	O	|	|	|	0.04
78.667	0.00	0.01	0.016	O	|	|	|	0.04
78.750	0.00	0.01	0.016	O	|	|	|	0.04
78.833	0.00	0.01	0.016	O	|	|	|	0.04
78.917	0.00	0.01	0.015	O	|	|	|	0.04
79.000	0.00	0.01	0.015	O	|	|	|	0.04
79.083	0.00	0.01	0.015	O	|	|	|	0.04
79.167	0.00	0.01	0.015	O	|	|	|	0.04
79.250	0.00	0.01	0.015	O	|	|	|	0.04
79.333	0.00	0.01	0.015	O	|	|	|	0.04
79.417	0.00	0.01	0.015	O	|	|	|	0.04
79.500	0.00	0.01	0.015	O	|	|	|	0.04
79.583	0.00	0.01	0.015	O	|	|	|	0.04
79.667	0.00	0.01	0.015	O	|	|	|	0.04
79.750	0.00	0.01	0.015	O	|	|	|	0.04
79.833	0.00	0.01	0.015	O	|	|	|	0.04
79.917	0.00	0.01	0.014	O	|	|	|	0.04
80.000	0.00	0.01	0.014	O	|	|	|	0.04
80.083	0.00	0.01	0.014	O	|	|	|	0.04
80.167	0.00	0.01	0.014	O	|	|	|	0.04
80.250	0.00	0.01	0.014	O	|	|	|	0.04
80.333	0.00	0.01	0.014	O	|	|	|	0.04
80.417	0.00	0.01	0.014	O	|	|	|	0.04
80.500	0.00	0.01	0.014	O	|	|	|	0.04
80.583	0.00	0.01	0.014	O	|	|	|	0.04
80.667	0.00	0.01	0.014	O	|	|	|	0.04
80.750	0.00	0.01	0.014	O	|	|	|	0.04
80.833	0.00	0.01	0.014	O	|	|	|	0.04
80.917	0.00	0.01	0.014	O	|	|	|	0.04
81.000	0.00	0.01	0.014	O	|	|	|	0.04
81.083	0.00	0.01	0.013	O	|	|	|	0.04
81.167	0.00	0.01	0.013	O	|	|	|	0.04
81.250	0.00	0.01	0.013	O	|	|	|	0.04
81.333	0.00	0.01	0.013	O	|	|	|	0.03
81.417	0.00	0.01	0.013	O	|	|	|	0.03
81.500	0.00	0.01	0.013	O	|	|	|	0.03
81.583	0.00	0.01	0.013	O	|	|	|	0.03
81.667	0.00	0.01	0.013	O	|	|	|	0.03
81.750	0.00	0.01	0.013	O	|	|	|	0.03
81.833	0.00	0.01	0.013	O	|	|	|	0.03
81.917	0.00	0.01	0.013	O	|	|	|	0.03
82.000	0.00	0.01	0.013	O	|	|	|	0.03
82.083	0.00	0.01	0.013	O	|	|	|	0.03
82.167	0.00	0.01	0.013	O	|	|	|	0.03
82.250	0.00	0.01	0.013	O	|	|	|	0.03
82.333	0.00	0.01	0.012	O	|	|	|	0.03
82.417	0.00	0.01	0.012	O	|	|	|	0.03
82.500	0.00	0.01	0.012	O	|	|	|	0.03
82.583	0.00	0.01	0.012	O	|	|	|	0.03
82.667	0.00	0.01	0.012	O	|	|	|	0.03
82.750	0.00	0.01	0.012	O	|	|	|	0.03
82.833	0.00	0.01	0.012	O	|	|	|	0.03
82.917	0.00	0.01	0.012	O	|	|	|	0.03
83.000	0.00	0.01	0.012	O	|	|	|	0.03
83.083	0.00	0.01	0.012	O	|	|	|	0.03
83.167	0.00	0.01	0.012	O	|	|	|	0.03
83.250	0.00	0.01	0.012	O	|	|	|	0.03
83.333	0.00	0.01	0.012	O	|	|	|	0.03
83.417	0.00	0.01	0.012	O	|	|	|	0.03
83.500	0.00	0.01	0.012	O	|	|	|	0.03
83.583	0.00	0.01	0.011	O	|	|	|	0.03
83.667	0.00	0.01	0.011	O	|	|	|	0.03
83.750	0.00	0.01	0.011	O	|	|	|	0.03
83.833	0.00	0.01	0.011	O	|	|	|	0.03

83.917	0.00	0.01	0.011	O	|	|	|	|	0.03
84.000	0.00	0.01	0.011	O	|	|	|	|	0.03
84.083	0.00	0.01	0.011	O	|	|	|	|	0.03
84.167	0.00	0.01	0.011	O	|	|	|	|	0.03
84.250	0.00	0.01	0.011	O	|	|	|	|	0.03
84.333	0.00	0.01	0.011	O	|	|	|	|	0.03
84.417	0.00	0.01	0.011	O	|	|	|	|	0.03
84.500	0.00	0.01	0.011	O	|	|	|	|	0.03
84.583	0.00	0.01	0.011	O	|	|	|	|	0.03
84.667	0.00	0.01	0.011	O	|	|	|	|	0.03
84.750	0.00	0.01	0.011	O	|	|	|	|	0.03
84.833	0.00	0.01	0.011	O	|	|	|	|	0.03
84.917	0.00	0.01	0.011	O	|	|	|	|	0.03
85.000	0.00	0.01	0.011	O	|	|	|	|	0.03
85.083	0.00	0.01	0.010	O	|	|	|	|	0.03
85.167	0.00	0.01	0.010	O	|	|	|	|	0.03
85.250	0.00	0.01	0.010	O	|	|	|	|	0.03
85.333	0.00	0.01	0.010	O	|	|	|	|	0.03
85.417	0.00	0.01	0.010	O	|	|	|	|	0.03
85.500	0.00	0.01	0.010	O	|	|	|	|	0.03
85.583	0.00	0.01	0.010	O	|	|	|	|	0.03
85.667	0.00	0.01	0.010	O	|	|	|	|	0.03
85.750	0.00	0.01	0.010	O	|	|	|	|	0.03
85.833	0.00	0.01	0.010	O	|	|	|	|	0.03
85.917	0.00	0.01	0.010	O	|	|	|	|	0.03
86.000	0.00	0.01	0.010	O	|	|	|	|	0.03
86.083	0.00	0.01	0.010	O	|	|	|	|	0.03
86.167	0.00	0.01	0.010	O	|	|	|	|	0.03
86.250	0.00	0.01	0.010	O	|	|	|	|	0.03
86.333	0.00	0.01	0.010	O	|	|	|	|	0.03
86.417	0.00	0.01	0.010	O	|	|	|	|	0.03
86.500	0.00	0.01	0.010	O	|	|	|	|	0.03
86.583	0.00	0.01	0.010	O	|	|	|	|	0.03
86.667	0.00	0.01	0.009	O	|	|	|	|	0.02
86.750	0.00	0.01	0.009	O	|	|	|	|	0.02
86.833	0.00	0.01	0.009	O	|	|	|	|	0.02
86.917	0.00	0.01	0.009	O	|	|	|	|	0.02
87.000	0.00	0.01	0.009	O	|	|	|	|	0.02
87.083	0.00	0.01	0.009	O	|	|	|	|	0.02
87.167	0.00	0.01	0.009	O	|	|	|	|	0.02
87.250	0.00	0.01	0.009	O	|	|	|	|	0.02
87.333	0.00	0.01	0.009	O	|	|	|	|	0.02
87.417	0.00	0.01	0.009	O	|	|	|	|	0.02
87.500	0.00	0.01	0.009	O	|	|	|	|	0.02
87.583	0.00	0.01	0.009	O	|	|	|	|	0.02
87.667	0.00	0.01	0.009	O	|	|	|	|	0.02
87.750	0.00	0.01	0.009	O	|	|	|	|	0.02
87.833	0.00	0.01	0.009	O	|	|	|	|	0.02
87.917	0.00	0.01	0.009	O	|	|	|	|	0.02
88.000	0.00	0.01	0.009	O	|	|	|	|	0.02
88.083	0.00	0.01	0.009	O	|	|	|	|	0.02
88.167	0.00	0.01	0.009	O	|	|	|	|	0.02
88.250	0.00	0.01	0.009	O	|	|	|	|	0.02
88.333	0.00	0.01	0.009	O	|	|	|	|	0.02
88.417	0.00	0.01	0.008	O	|	|	|	|	0.02
88.500	0.00	0.01	0.008	O	|	|	|	|	0.02
88.583	0.00	0.01	0.008	O	|	|	|	|	0.02
88.667	0.00	0.01	0.008	O	|	|	|	|	0.02
88.750	0.00	0.01	0.008	O	|	|	|	|	0.02
88.833	0.00	0.01	0.008	O	|	|	|	|	0.02
88.917	0.00	0.01	0.008	O	|	|	|	|	0.02
89.000	0.00	0.01	0.008	O	|	|	|	|	0.02
89.083	0.00	0.01	0.008	O	|	|	|	|	0.02
89.167	0.00	0.01	0.008	O	|	|	|	|	0.02
89.250	0.00	0.01	0.008	O	|	|	|	|	0.02
89.333	0.00	0.01	0.008	O	|	|	|	|	0.02
89.417	0.00	0.01	0.008	O	|	|	|	|	0.02

89.500	0.00	0.01	0.008	O	|	|	|	|	0.02
89.583	0.00	0.01	0.008	O	|	|	|	|	0.02
89.667	0.00	0.01	0.008	O	|	|	|	|	0.02
89.750	0.00	0.01	0.008	O	|	|	|	|	0.02
89.833	0.00	0.01	0.008	O	|	|	|	|	0.02
89.917	0.00	0.01	0.008	O	|	|	|	|	0.02
90.000	0.00	0.01	0.008	O	|	|	|	|	0.02
90.083	0.00	0.01	0.008	O	|	|	|	|	0.02
90.167	0.00	0.01	0.008	O	|	|	|	|	0.02
90.250	0.00	0.01	0.008	O	|	|	|	|	0.02
90.333	0.00	0.01	0.008	O	|	|	|	|	0.02
90.417	0.00	0.01	0.007	O	|	|	|	|	0.02
90.500	0.00	0.01	0.007	O	|	|	|	|	0.02
90.583	0.00	0.01	0.007	O	|	|	|	|	0.02
90.667	0.00	0.01	0.007	O	|	|	|	|	0.02
90.750	0.00	0.01	0.007	O	|	|	|	|	0.02
90.833	0.00	0.01	0.007	O	|	|	|	|	0.02
90.917	0.00	0.01	0.007	O	|	|	|	|	0.02
91.000	0.00	0.01	0.007	O	|	|	|	|	0.02
91.083	0.00	0.01	0.007	O	|	|	|	|	0.02
91.167	0.00	0.01	0.007	O	|	|	|	|	0.02
91.250	0.00	0.01	0.007	O	|	|	|	|	0.02
91.333	0.00	0.01	0.007	O	|	|	|	|	0.02
91.417	0.00	0.01	0.007	O	|	|	|	|	0.02
91.500	0.00	0.01	0.007	O	|	|	|	|	0.02
91.583	0.00	0.01	0.007	O	|	|	|	|	0.02
91.667	0.00	0.01	0.007	O	|	|	|	|	0.02
91.750	0.00	0.01	0.007	O	|	|	|	|	0.02
91.833	0.00	0.01	0.007	O	|	|	|	|	0.02
91.917	0.00	0.01	0.007	O	|	|	|	|	0.02
92.000	0.00	0.01	0.007	O	|	|	|	|	0.02
92.083	0.00	0.01	0.007	O	|	|	|	|	0.02
92.167	0.00	0.01	0.007	O	|	|	|	|	0.02
92.250	0.00	0.01	0.007	O	|	|	|	|	0.02
92.333	0.00	0.01	0.007	O	|	|	|	|	0.02
92.417	0.00	0.01	0.007	O	|	|	|	|	0.02
92.500	0.00	0.01	0.007	O	|	|	|	|	0.02
92.583	0.00	0.00	0.007	O	|	|	|	|	0.02
92.667	0.00	0.00	0.006	O	|	|	|	|	0.02
92.750	0.00	0.00	0.006	O	|	|	|	|	0.02
92.833	0.00	0.00	0.006	O	|	|	|	|	0.02
92.917	0.00	0.00	0.006	O	|	|	|	|	0.02
93.000	0.00	0.00	0.006	O	|	|	|	|	0.02
93.083	0.00	0.00	0.006	O	|	|	|	|	0.02
93.167	0.00	0.00	0.006	O	|	|	|	|	0.02
93.250	0.00	0.00	0.006	O	|	|	|	|	0.02
93.333	0.00	0.00	0.006	O	|	|	|	|	0.02
93.417	0.00	0.00	0.006	O	|	|	|	|	0.02
93.500	0.00	0.00	0.006	O	|	|	|	|	0.02
93.583	0.00	0.00	0.006	O	|	|	|	|	0.02
93.667	0.00	0.00	0.006	O	|	|	|	|	0.02
93.750	0.00	0.00	0.006	O	|	|	|	|	0.02
93.833	0.00	0.00	0.006	O	|	|	|	|	0.02
93.917	0.00	0.00	0.006	O	|	|	|	|	0.02
94.000	0.00	0.00	0.006	O	|	|	|	|	0.02
94.083	0.00	0.00	0.006	O	|	|	|	|	0.02
94.167	0.00	0.00	0.006	O	|	|	|	|	0.02
94.250	0.00	0.00	0.006	O	|	|	|	|	0.02
94.333	0.00	0.00	0.006	O	|	|	|	|	0.02
94.417	0.00	0.00	0.006	O	|	|	|	|	0.02
94.500	0.00	0.00	0.006	O	|	|	|	|	0.02
94.583	0.00	0.00	0.006	O	|	|	|	|	0.02
94.667	0.00	0.00	0.006	O	|	|	|	|	0.02
94.750	0.00	0.00	0.006	O	|	|	|	|	0.01
94.833	0.00	0.00	0.006	O	|	|	|	|	0.01
94.917	0.00	0.00	0.006	O	|	|	|	|	0.01
95.000	0.00	0.00	0.006	O	|	|	|	|	0.01

95.083	0.00	0.00	0.006	O	|	|	|	0.01
95.167	0.00	0.00	0.006	O	|	|	|	0.01
95.250	0.00	0.00	0.006	O	|	|	|	0.01
95.333	0.00	0.00	0.005	O	|	|	|	0.01
95.417	0.00	0.00	0.005	O	|	|	|	0.01
95.500	0.00	0.00	0.005	O	|	|	|	0.01
95.583	0.00	0.00	0.005	O	|	|	|	0.01
95.667	0.00	0.00	0.005	O	|	|	|	0.01
95.750	0.00	0.00	0.005	O	|	|	|	0.01
95.833	0.00	0.00	0.005	O	|	|	|	0.01
95.917	0.00	0.00	0.005	O	|	|	|	0.01
96.000	0.00	0.00	0.005	O	|	|	|	0.01
96.083	0.00	0.00	0.005	O	|	|	|	0.01
96.167	0.00	0.00	0.005	O	|	|	|	0.01
96.250	0.00	0.00	0.005	O	|	|	|	0.01
96.333	0.00	0.00	0.005	O	|	|	|	0.01
96.417	0.00	0.00	0.005	O	|	|	|	0.01
96.500	0.00	0.00	0.005	O	|	|	|	0.01
96.583	0.00	0.00	0.005	O	|	|	|	0.01
96.667	0.00	0.00	0.005	O	|	|	|	0.01
96.750	0.00	0.00	0.005	O	|	|	|	0.01
96.833	0.00	0.00	0.005	O	|	|	|	0.01
96.917	0.00	0.00	0.005	O	|	|	|	0.01
97.000	0.00	0.00	0.005	O	|	|	|	0.01
97.083	0.00	0.00	0.005	O	|	|	|	0.01
97.167	0.00	0.00	0.005	O	|	|	|	0.01
97.250	0.00	0.00	0.005	O	|	|	|	0.01
97.333	0.00	0.00	0.005	O	|	|	|	0.01
97.417	0.00	0.00	0.005	O	|	|	|	0.01
97.500	0.00	0.00	0.005	O	|	|	|	0.01
97.583	0.00	0.00	0.005	O	|	|	|	0.01
97.667	0.00	0.00	0.005	O	|	|	|	0.01
97.750	0.00	0.00	0.005	O	|	|	|	0.01
97.833	0.00	0.00	0.005	O	|	|	|	0.01
97.917	0.00	0.00	0.005	O	|	|	|	0.01
98.000	0.00	0.00	0.005	O	|	|	|	0.01
98.083	0.00	0.00	0.005	O	|	|	|	0.01
98.167	0.00	0.00	0.005	O	|	|	|	0.01
98.250	0.00	0.00	0.005	O	|	|	|	0.01
98.333	0.00	0.00	0.005	O	|	|	|	0.01
98.417	0.00	0.00	0.005	O	|	|	|	0.01
98.500	0.00	0.00	0.004	O	|	|	|	0.01
98.583	0.00	0.00	0.004	O	|	|	|	0.01
98.667	0.00	0.00	0.004	O	|	|	|	0.01
98.750	0.00	0.00	0.004	O	|	|	|	0.01
98.833	0.00	0.00	0.004	O	|	|	|	0.01
98.917	0.00	0.00	0.004	O	|	|	|	0.01
99.000	0.00	0.00	0.004	O	|	|	|	0.01
99.083	0.00	0.00	0.004	O	|	|	|	0.01
99.167	0.00	0.00	0.004	O	|	|	|	0.01
99.250	0.00	0.00	0.004	O	|	|	|	0.01
99.333	0.00	0.00	0.004	O	|	|	|	0.01
99.417	0.00	0.00	0.004	O	|	|	|	0.01
99.500	0.00	0.00	0.004	O	|	|	|	0.01
99.583	0.00	0.00	0.004	O	|	|	|	0.01
99.667	0.00	0.00	0.004	O	|	|	|	0.01
99.750	0.00	0.00	0.004	O	|	|	|	0.01
99.833	0.00	0.00	0.004	O	|	|	|	0.01
99.917	0.00	0.00	0.004	O	|	|	|	0.01
100.000	0.00	0.00	0.004	O	|	|	|	0.01
100.083	0.00	0.00	0.004	O	|	|	|	0.01
100.167	0.00	0.00	0.004	O	|	|	|	0.01
100.250	0.00	0.00	0.004	O	|	|	|	0.01
100.333	0.00	0.00	0.004	O	|	|	|	0.01
100.417	0.00	0.00	0.004	O	|	|	|	0.01
100.500	0.00	0.00	0.004	O	|	|	|	0.01
100.583	0.00	0.00	0.004	O	|	|	|	0.01

100.667	0.00	0.00	0.004	O	|	|	|	|	0.01
100.750	0.00	0.00	0.004	O	|	|	|	|	0.01
100.833	0.00	0.00	0.004	O	|	|	|	|	0.01
100.917	0.00	0.00	0.004	O	|	|	|	|	0.01
101.000	0.00	0.00	0.004	O	|	|	|	|	0.01
101.083	0.00	0.00	0.004	O	|	|	|	|	0.01
101.167	0.00	0.00	0.004	O	|	|	|	|	0.01
101.250	0.00	0.00	0.004	O	|	|	|	|	0.01
101.333	0.00	0.00	0.004	O	|	|	|	|	0.01
101.417	0.00	0.00	0.004	O	|	|	|	|	0.01
101.500	0.00	0.00	0.004	O	|	|	|	|	0.01
101.583	0.00	0.00	0.004	O	|	|	|	|	0.01
101.667	0.00	0.00	0.004	O	|	|	|	|	0.01
101.750	0.00	0.00	0.004	O	|	|	|	|	0.01
101.833	0.00	0.00	0.004	O	|	|	|	|	0.01
101.917	0.00	0.00	0.004	O	|	|	|	|	0.01
102.000	0.00	0.00	0.004	O	|	|	|	|	0.01
102.083	0.00	0.00	0.004	O	|	|	|	|	0.01
102.167	0.00	0.00	0.004	O	|	|	|	|	0.01
102.250	0.00	0.00	0.004	O	|	|	|	|	0.01
102.333	0.00	0.00	0.004	O	|	|	|	|	0.01
102.417	0.00	0.00	0.004	O	|	|	|	|	0.01
102.500	0.00	0.00	0.003	O	|	|	|	|	0.01
102.583	0.00	0.00	0.003	O	|	|	|	|	0.01
102.667	0.00	0.00	0.003	O	|	|	|	|	0.01
102.750	0.00	0.00	0.003	O	|	|	|	|	0.01
102.833	0.00	0.00	0.003	O	|	|	|	|	0.01
102.917	0.00	0.00	0.003	O	|	|	|	|	0.01
103.000	0.00	0.00	0.003	O	|	|	|	|	0.01
103.083	0.00	0.00	0.003	O	|	|	|	|	0.01
103.167	0.00	0.00	0.003	O	|	|	|	|	0.01
103.250	0.00	0.00	0.003	O	|	|	|	|	0.01
103.333	0.00	0.00	0.003	O	|	|	|	|	0.01
103.417	0.00	0.00	0.003	O	|	|	|	|	0.01
103.500	0.00	0.00	0.003	O	|	|	|	|	0.01
103.583	0.00	0.00	0.003	O	|	|	|	|	0.01
103.667	0.00	0.00	0.003	O	|	|	|	|	0.01
103.750	0.00	0.00	0.003	O	|	|	|	|	0.01
103.833	0.00	0.00	0.003	O	|	|	|	|	0.01
103.917	0.00	0.00	0.003	O	|	|	|	|	0.01
104.000	0.00	0.00	0.003	O	|	|	|	|	0.01
104.083	0.00	0.00	0.003	O	|	|	|	|	0.01
104.167	0.00	0.00	0.003	O	|	|	|	|	0.01
104.250	0.00	0.00	0.003	O	|	|	|	|	0.01
104.333	0.00	0.00	0.003	O	|	|	|	|	0.01
104.417	0.00	0.00	0.003	O	|	|	|	|	0.01
104.500	0.00	0.00	0.003	O	|	|	|	|	0.01
104.583	0.00	0.00	0.003	O	|	|	|	|	0.01
104.667	0.00	0.00	0.003	O	|	|	|	|	0.01
104.750	0.00	0.00	0.003	O	|	|	|	|	0.01
104.833	0.00	0.00	0.003	O	|	|	|	|	0.01
104.917	0.00	0.00	0.003	O	|	|	|	|	0.01
105.000	0.00	0.00	0.003	O	|	|	|	|	0.01
105.083	0.00	0.00	0.003	O	|	|	|	|	0.01
105.167	0.00	0.00	0.003	O	|	|	|	|	0.01
105.250	0.00	0.00	0.003	O	|	|	|	|	0.01
105.333	0.00	0.00	0.003	O	|	|	|	|	0.01
105.417	0.00	0.00	0.003	O	|	|	|	|	0.01
105.500	0.00	0.00	0.003	O	|	|	|	|	0.01
105.583	0.00	0.00	0.003	O	|	|	|	|	0.01
105.667	0.00	0.00	0.003	O	|	|	|	|	0.01
105.750	0.00	0.00	0.003	O	|	|	|	|	0.01
105.833	0.00	0.00	0.003	O	|	|	|	|	0.01
105.917	0.00	0.00	0.003	O	|	|	|	|	0.01
106.000	0.00	0.00	0.003	O	|	|	|	|	0.01
106.083	0.00	0.00	0.003	O	|	|	|	|	0.01
106.167	0.00	0.00	0.003	O	|	|	|	|	0.01

106.250	0.00	0.00	0.003	O	|	|	|	0.01
106.333	0.00	0.00	0.003	O	|	|	|	0.01
106.417	0.00	0.00	0.003	O	|	|	|	0.01
106.500	0.00	0.00	0.003	O	|	|	|	0.01
106.583	0.00	0.00	0.003	O	|	|	|	0.01
106.667	0.00	0.00	0.003	O	|	|	|	0.01
106.750	0.00	0.00	0.003	O	|	|	|	0.01
106.833	0.00	0.00	0.003	O	|	|	|	0.01
106.917	0.00	0.00	0.003	O	|	|	|	0.01
107.000	0.00	0.00	0.003	O	|	|	|	0.01
107.083	0.00	0.00	0.003	O	|	|	|	0.01
107.167	0.00	0.00	0.003	O	|	|	|	0.01
107.250	0.00	0.00	0.003	O	|	|	|	0.01
107.333	0.00	0.00	0.003	O	|	|	|	0.01
107.417	0.00	0.00	0.003	O	|	|	|	0.01
107.500	0.00	0.00	0.003	O	|	|	|	0.01
107.583	0.00	0.00	0.003	O	|	|	|	0.01
107.667	0.00	0.00	0.003	O	|	|	|	0.01
107.750	0.00	0.00	0.003	O	|	|	|	0.01
107.833	0.00	0.00	0.002	O	|	|	|	0.01
107.917	0.00	0.00	0.002	O	|	|	|	0.01
108.000	0.00	0.00	0.002	O	|	|	|	0.01
108.083	0.00	0.00	0.002	O	|	|	|	0.01
108.167	0.00	0.00	0.002	O	|	|	|	0.01
108.250	0.00	0.00	0.002	O	|	|	|	0.01
108.333	0.00	0.00	0.002	O	|	|	|	0.01
108.417	0.00	0.00	0.002	O	|	|	|	0.01
108.500	0.00	0.00	0.002	O	|	|	|	0.01
108.583	0.00	0.00	0.002	O	|	|	|	0.01
108.667	0.00	0.00	0.002	O	|	|	|	0.01
108.750	0.00	0.00	0.002	O	|	|	|	0.01
108.833	0.00	0.00	0.002	O	|	|	|	0.01
108.917	0.00	0.00	0.002	O	|	|	|	0.01
109.000	0.00	0.00	0.002	O	|	|	|	0.01
109.083	0.00	0.00	0.002	O	|	|	|	0.01
109.167	0.00	0.00	0.002	O	|	|	|	0.01
109.250	0.00	0.00	0.002	O	|	|	|	0.01
109.333	0.00	0.00	0.002	O	|	|	|	0.01
109.417	0.00	0.00	0.002	O	|	|	|	0.01
109.500	0.00	0.00	0.002	O	|	|	|	0.01
109.583	0.00	0.00	0.002	O	|	|	|	0.01
109.667	0.00	0.00	0.002	O	|	|	|	0.01
109.750	0.00	0.00	0.002	O	|	|	|	0.01
109.833	0.00	0.00	0.002	O	|	|	|	0.01
109.917	0.00	0.00	0.002	O	|	|	|	0.01
110.000	0.00	0.00	0.002	O	|	|	|	0.01
110.083	0.00	0.00	0.002	O	|	|	|	0.01
110.167	0.00	0.00	0.002	O	|	|	|	0.01
110.250	0.00	0.00	0.002	O	|	|	|	0.01
110.333	0.00	0.00	0.002	O	|	|	|	0.01
110.417	0.00	0.00	0.002	O	|	|	|	0.01
110.500	0.00	0.00	0.002	O	|	|	|	0.01
110.583	0.00	0.00	0.002	O	|	|	|	0.01
110.667	0.00	0.00	0.002	O	|	|	|	0.01
110.750	0.00	0.00	0.002	O	|	|	|	0.01
110.833	0.00	0.00	0.002	O	|	|	|	0.01
110.917	0.00	0.00	0.002	O	|	|	|	0.01
111.000	0.00	0.00	0.002	O	|	|	|	0.01
111.083	0.00	0.00	0.002	O	|	|	|	0.01
111.167	0.00	0.00	0.002	O	|	|	|	0.01
111.250	0.00	0.00	0.002	O	|	|	|	0.01
111.333	0.00	0.00	0.002	O	|	|	|	0.01
111.417	0.00	0.00	0.002	O	|	|	|	0.01
111.500	0.00	0.00	0.002	O	|	|	|	0.01
111.583	0.00	0.00	0.002	O	|	|	|	0.01
111.667	0.00	0.00	0.002	O	|	|	|	0.01
111.750	0.00	0.00	0.002	O	|	|	|	0.01

111.833	0.00	0.00	0.002	O	|	|	|	|	0.01
111.917	0.00	0.00	0.002	O	|	|	|	|	0.01
112.000	0.00	0.00	0.002	O	|	|	|	|	0.01
112.083	0.00	0.00	0.002	O	|	|	|	|	0.01
112.167	0.00	0.00	0.002	O	|	|	|	|	0.00
112.250	0.00	0.00	0.002	O	|	|	|	|	0.00
112.333	0.00	0.00	0.002	O	|	|	|	|	0.00
112.417	0.00	0.00	0.002	O	|	|	|	|	0.00
112.500	0.00	0.00	0.002	O	|	|	|	|	0.00
112.583	0.00	0.00	0.002	O	|	|	|	|	0.00
112.667	0.00	0.00	0.002	O	|	|	|	|	0.00
112.750	0.00	0.00	0.002	O	|	|	|	|	0.00
112.833	0.00	0.00	0.002	O	|	|	|	|	0.00
112.917	0.00	0.00	0.002	O	|	|	|	|	0.00
113.000	0.00	0.00	0.002	O	|	|	|	|	0.00
113.083	0.00	0.00	0.002	O	|	|	|	|	0.00
113.167	0.00	0.00	0.002	O	|	|	|	|	0.00
113.250	0.00	0.00	0.002	O	|	|	|	|	0.00
113.333	0.00	0.00	0.002	O	|	|	|	|	0.00
113.417	0.00	0.00	0.002	O	|	|	|	|	0.00
113.500	0.00	0.00	0.002	O	|	|	|	|	0.00
113.583	0.00	0.00	0.002	O	|	|	|	|	0.00
113.667	0.00	0.00	0.002	O	|	|	|	|	0.00
113.750	0.00	0.00	0.002	O	|	|	|	|	0.00
113.833	0.00	0.00	0.002	O	|	|	|	|	0.00
113.917	0.00	0.00	0.002	O	|	|	|	|	0.00
114.000	0.00	0.00	0.002	O	|	|	|	|	0.00
114.083	0.00	0.00	0.002	O	|	|	|	|	0.00
114.167	0.00	0.00	0.002	O	|	|	|	|	0.00
114.250	0.00	0.00	0.002	O	|	|	|	|	0.00
114.333	0.00	0.00	0.002	O	|	|	|	|	0.00
114.417	0.00	0.00	0.002	O	|	|	|	|	0.00
114.500	0.00	0.00	0.002	O	|	|	|	|	0.00
114.583	0.00	0.00	0.002	O	|	|	|	|	0.00
114.667	0.00	0.00	0.002	O	|	|	|	|	0.00
114.750	0.00	0.00	0.002	O	|	|	|	|	0.00
114.833	0.00	0.00	0.002	O	|	|	|	|	0.00
114.917	0.00	0.00	0.002	O	|	|	|	|	0.00
115.000	0.00	0.00	0.002	O	|	|	|	|	0.00
115.083	0.00	0.00	0.002	O	|	|	|	|	0.00
115.167	0.00	0.00	0.002	O	|	|	|	|	0.00
115.250	0.00	0.00	0.002	O	|	|	|	|	0.00
115.333	0.00	0.00	0.002	O	|	|	|	|	0.00
115.417	0.00	0.00	0.002	O	|	|	|	|	0.00
115.500	0.00	0.00	0.002	O	|	|	|	|	0.00
115.583	0.00	0.00	0.002	O	|	|	|	|	0.00
115.667	0.00	0.00	0.002	O	|	|	|	|	0.00
115.750	0.00	0.00	0.002	O	|	|	|	|	0.00
115.833	0.00	0.00	0.002	O	|	|	|	|	0.00
115.917	0.00	0.00	0.001	O	|	|	|	|	0.00
116.000	0.00	0.00	0.001	O	|	|	|	|	0.00
116.083	0.00	0.00	0.001	O	|	|	|	|	0.00
116.167	0.00	0.00	0.001	O	|	|	|	|	0.00
116.250	0.00	0.00	0.001	O	|	|	|	|	0.00
116.333	0.00	0.00	0.001	O	|	|	|	|	0.00
116.417	0.00	0.00	0.001	O	|	|	|	|	0.00
116.500	0.00	0.00	0.001	O	|	|	|	|	0.00
116.583	0.00	0.00	0.001	O	|	|	|	|	0.00
116.667	0.00	0.00	0.001	O	|	|	|	|	0.00
116.750	0.00	0.00	0.001	O	|	|	|	|	0.00
116.833	0.00	0.00	0.001	O	|	|	|	|	0.00
116.917	0.00	0.00	0.001	O	|	|	|	|	0.00
117.000	0.00	0.00	0.001	O	|	|	|	|	0.00
117.083	0.00	0.00	0.001	O	|	|	|	|	0.00
117.167	0.00	0.00	0.001	O	|	|	|	|	0.00
117.250	0.00	0.00	0.001	O	|	|	|	|	0.00
117.333	0.00	0.00	0.001	O	|	|	|	|	0.00

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117.417    0.00    0.00      0.001  O       |       |       |       |     0.00
117.500    0.00    0.00      0.001  O       |       |       |       |     0.00
117.583    0.00    0.00      0.001  O       |       |       |       |     0.00
117.667    0.00    0.00      0.001  O       |       |       |       |     0.00
117.750    0.00    0.00      0.001  O       |       |       |       |     0.00
117.833    0.00    0.00      0.001  O       |       |       |       |     0.00
117.917    0.00    0.00      0.001  O       |       |       |       |     0.00
118.000    0.00    0.00      0.001  O       |       |       |       |     0.00
118.083    0.00    0.00      0.001  O       |       |       |       |     0.00

       Remaining water in basin =    0.00 (Ac.Ft)


       ****************************HYDROGRAPH DATA****************************
                    Number of intervals =  1417
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =        0.553 (CFS)
                    Total volume =       1.345 (Ac.Ft)
              Status of hydrographs being held in storage
                         Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000     0.000     0.000
              Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
       ************************************************************************

       ------------------------------------------------------------------------
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FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/19/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRG310.rte
**********HYDROGRAPH DATA**********
Number of intervals = 39
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 26.330 (CFS)
Total volume = 2.164 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN G- ROUTING
10YR-3HR

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 39
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.380	0.290	0.379	0.381
2.000	0.810	0.440	0.808	0.812
3.000	1.300	0.550	1.298	1.302
4.000	1.840	0.650	1.838	1.842
5.000	2.440	0.730	2.437	2.443
6.000	3.100	0.800	3.097	3.103
7.000	3.820	1.470	3.815	3.825
8.000	4.610	25.330	4.523	4.697
9.000	5.500	124.380	5.072	5.928

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 6.6 13.17 19.75 26.33	Depth (Ft.)
0.083	1.80	0.00	0.006	O I	0.02
0.167	3.45	0.02	0.024	O I	0.06

0.250	3.49	0.04	0.048	O	I	|	|	|	|	0.13
0.333	3.92	0.06	0.073	O	I	|	|	|	|	0.19
0.417	4.38	0.08	0.101	O	I	|	|	|	|	0.27
0.500	4.87	0.10	0.132	O	I	|	|	|	|	0.35
0.583	4.88	0.13	0.165	O	I	|	|	|	|	0.43
0.667	4.99	0.15	0.198	O	I	|	|	|	|	0.52
0.750	5.32	0.18	0.233	O	I	|	|	|	|	0.61
0.833	4.95	0.20	0.267	O	I	|	|	|	|	0.70
0.917	4.74	0.23	0.298	O	I	|	|	|	|	0.79
1.000	5.07	0.25	0.331	O	I	|	|	|	|	0.87
1.083	5.87	0.28	0.366	O	I	|	|	|	|	0.96
1.167	6.43	0.30	0.407	O	I	|	|	|	|	1.06
1.250	6.55	0.31	0.449	O	I	|	|	|	|	1.16
1.333	6.32	0.33	0.492	O	I	|	|	|	|	1.26
1.417	6.90	0.34	0.535	O	I	|	|	|	|	1.36
1.500	7.74	0.36	0.583	O	I	|	|	|	|	1.47
1.583	7.58	0.38	0.633	O	I	|	|	|	|	1.59
1.667	7.70	0.40	0.683	O	I	|	|	|	|	1.70
1.750	8.85	0.41	0.737	O	I	|	|	|	|	1.83
1.833	9.37	0.44	0.797	O	I	|	|	|	|	1.97
1.917	9.02	0.45	0.857	O	I	|	|	|	|	2.10
2.000	8.92	0.46	0.916	O	I	|	|	|	|	2.22
2.083	9.12	0.48	0.975	O	I	|	|	|	|	2.34
2.167	10.95	0.49	1.040	O	I	|	|	|	|	2.47
2.250	14.01	0.51	1.123	O	I	|	|	|	|	2.64
2.333	13.04	0.53	1.213	O	I	|	|	|	|	2.82
2.417	16.99	0.55	1.312	O	I	|	|	|	|	3.02
2.500	22.98	0.58	1.446	O	I	|	|	|	|	3.27
2.583	26.33	0.61	1.612	O	I	|	|	|	|	3.58
2.667	24.20	0.64	1.781	O	I	|	|	|	|	3.89
2.750	14.33	0.66	1.910	O	I	|	|	|	|	4.12
2.833	7.62	0.67	1.981	O	I	|	|	|	|	4.23
2.917	5.94	0.67	2.023	O	I	|	|	|	|	4.30
3.000	3.75	0.68	2.051	O	I	|	|	|	|	4.35
3.083	1.38	0.68	2.064	OI		|	|	|	|	4.37
3.167	0.33	**0.68**	**2.066**	**O**		**|**	**|**	**|**	**|**	**4.38**
3.250	0.06	0.68	2.062	O		|	|	|	|	4.37
3.333	0.00	0.68	2.058	O		|	|	|	|	4.36
3.417	0.00	0.68	2.053	O		|	|	|	|	4.36
3.500	0.00	0.68	2.048	O		|	|	|	|	4.35
3.583	0.00	0.68	2.044	O		|	|	|	|	4.34
3.667	0.00	0.68	2.039	O		|	|	|	|	4.33
3.750	0.00	0.68	2.035	O		|	|	|	|	4.32
3.833	0.00	0.68	2.030	O		|	|	|	|	4.32
3.917	0.00	0.67	2.025	O		|	|	|	|	4.31
4.000	0.00	0.67	2.021	O		|	|	|	|	4.30
4.083	0.00	0.67	2.016	O		|	|	|	|	4.29
4.167	0.00	0.67	2.011	O		|	|	|	|	4.29
4.250	0.00	0.67	2.007	O		|	|	|	|	4.28
4.333	0.00	0.67	2.002	O		|	|	|	|	4.27
4.417	0.00	0.67	1.997	O		|	|	|	|	4.26
4.500	0.00	0.67	1.993	O		|	|	|	|	4.25
4.583	0.00	0.67	1.988	O		|	|	|	|	4.25
4.667	0.00	0.67	1.984	O		|	|	|	|	4.24
4.750	0.00	0.67	1.979	O		|	|	|	|	4.23
4.833	0.00	0.67	1.974	O		|	|	|	|	4.22
4.917	0.00	0.67	1.970	O		|	|	|	|	4.22
5.000	0.00	0.67	1.965	O		|	|	|	|	4.21
5.083	0.00	0.67	1.961	O		|	|	|	|	4.20
5.167	0.00	0.67	1.956	O		|	|	|	|	4.19
5.250	0.00	0.66	1.951	O		|	|	|	|	4.19
5.333	0.00	0.66	1.947	O		|	|	|	|	4.18
5.417	0.00	0.66	1.942	O		|	|	|	|	4.17
5.500	0.00	0.66	1.938	O		|	|	|	|	4.16
5.583	0.00	0.66	1.933	O		|	|	|	|	4.16
5.667	0.00	0.66	1.929	O		|	|	|	|	4.15
5.750	0.00	0.66	1.924	O		|	|	|	|	4.14

5.833	0.00	0.66	1.919	O	|	|	|	4.13
5.917	0.00	0.66	1.915	O	|	|	|	4.12
6.000	0.00	0.66	1.910	O	|	|	|	4.12
6.083	0.00	0.66	1.906	O	|	|	|	4.11
6.167	0.00	0.66	1.901	O	|	|	|	4.10
6.250	0.00	0.66	1.897	O	|	|	|	4.09
6.333	0.00	0.66	1.892	O	|	|	|	4.09
6.417	0.00	0.66	1.888	O	|	|	|	4.08
6.500	0.00	0.66	1.883	O	|	|	|	4.07
6.583	0.00	0.66	1.879	O	|	|	|	4.06
6.667	0.00	0.65	1.874	O	|	|	|	4.06
6.750	0.00	0.65	1.870	O	|	|	|	4.05
6.833	0.00	0.65	1.865	O	|	|	|	4.04
6.917	0.00	0.65	1.861	O	|	|	|	4.03
7.000	0.00	0.65	1.856	O	|	|	|	4.03
7.083	0.00	0.65	1.852	O	|	|	|	4.02
7.167	0.00	0.65	1.847	O	|	|	|	4.01
7.250	0.00	0.65	1.843	O	|	|	|	4.00
7.333	0.00	0.65	1.838	O	|	|	|	4.00
7.417	0.00	0.65	1.834	O	|	|	|	3.99
7.500	0.00	0.65	1.829	O	|	|	|	3.98
7.583	0.00	0.65	1.825	O	|	|	|	3.97
7.667	0.00	0.65	1.820	O	|	|	|	3.96
7.750	0.00	0.65	1.816	O	|	|	|	3.96
7.833	0.00	0.64	1.811	O	|	|	|	3.95
7.917	0.00	0.64	1.807	O	|	|	|	3.94
8.000	0.00	0.64	1.803	O	|	|	|	3.93
8.083	0.00	0.64	1.798	O	|	|	|	3.92
8.167	0.00	0.64	1.794	O	|	|	|	3.91
8.250	0.00	0.64	1.789	O	|	|	|	3.91
8.333	0.00	0.64	1.785	O	|	|	|	3.90
8.417	0.00	0.64	1.781	O	|	|	|	3.89
8.500	0.00	0.64	1.776	O	|	|	|	3.88
8.583	0.00	0.64	1.772	O	|	|	|	3.87
8.667	0.00	0.64	1.767	O	|	|	|	3.87
8.750	0.00	0.64	1.763	O	|	|	|	3.86
8.833	0.00	0.63	1.759	O	|	|	|	3.85
8.917	0.00	0.63	1.754	O	|	|	|	3.84
9.000	0.00	0.63	1.750	O	|	|	|	3.83
9.083	0.00	0.63	1.746	O	|	|	|	3.83
9.167	0.00	0.63	1.741	O	|	|	|	3.82
9.250	0.00	0.63	1.737	O	|	|	|	3.81
9.333	0.00	0.63	1.732	O	|	|	|	3.80
9.417	0.00	0.63	1.728	O	|	|	|	3.79
9.500	0.00	0.63	1.724	O	|	|	|	3.78
9.583	0.00	0.63	1.719	O	|	|	|	3.78
9.667	0.00	0.63	1.715	O	|	|	|	3.77
9.750	0.00	0.63	1.711	O	|	|	|	3.76
9.833	0.00	0.63	1.707	O	|	|	|	3.75
9.917	0.00	0.62	1.702	O	|	|	|	3.74
10.000	0.00	0.62	1.698	O	|	|	|	3.74
10.083	0.00	0.62	1.694	O	|	|	|	3.73
10.167	0.00	0.62	1.689	O	|	|	|	3.72
10.250	0.00	0.62	1.685	O	|	|	|	3.71
10.333	0.00	0.62	1.681	O	|	|	|	3.71
10.417	0.00	0.62	1.677	O	|	|	|	3.70
10.500	0.00	0.62	1.672	O	|	|	|	3.69
10.583	0.00	0.62	1.668	O	|	|	|	3.68
10.667	0.00	0.62	1.664	O	|	|	|	3.67
10.750	0.00	0.62	1.660	O	|	|	|	3.67
10.833	0.00	0.62	1.655	O	|	|	|	3.66
10.917	0.00	0.62	1.651	O	|	|	|	3.65
11.000	0.00	0.61	1.647	O	|	|	|	3.64
11.083	0.00	0.61	1.643	O	|	|	|	3.63
11.167	0.00	0.61	1.638	O	|	|	|	3.63
11.250	0.00	0.61	1.634	O	|	|	|	3.62
11.333	0.00	0.61	1.630	O	|	|	|	3.61

11.417	0.00	0.61	1.626	O	|	|	|	3.60
11.500	0.00	0.61	1.622	O	|	|	|	3.60
11.583	0.00	0.61	1.617	O	|	|	|	3.59
11.667	0.00	0.61	1.613	O	|	|	|	3.58
11.750	0.00	0.61	1.609	O	|	|	|	3.57
11.833	0.00	0.61	1.605	O	|	|	|	3.56
11.917	0.00	0.61	1.601	O	|	|	|	3.56
12.000	0.00	0.60	1.596	O	|	|	|	3.55
12.083	0.00	0.60	1.592	O	|	|	|	3.54
12.167	0.00	0.60	1.588	O	|	|	|	3.53
12.250	0.00	0.60	1.584	O	|	|	|	3.53
12.333	0.00	0.60	1.580	O	|	|	|	3.52
12.417	0.00	0.60	1.576	O	|	|	|	3.51
12.500	0.00	0.60	1.572	O	|	|	|	3.50
12.583	0.00	0.60	1.567	O	|	|	|	3.50
12.667	0.00	0.60	1.563	O	|	|	|	3.49
12.750	0.00	0.60	1.559	O	|	|	|	3.48
12.833	0.00	0.60	1.555	O	|	|	|	3.47
12.917	0.00	0.60	1.551	O	|	|	|	3.46
13.000	0.00	0.60	1.547	O	|	|	|	3.46
13.083	0.00	0.59	1.543	O	|	|	|	3.45
13.167	0.00	0.59	1.539	O	|	|	|	3.44
13.250	0.00	0.59	1.535	O	|	|	|	3.43
13.333	0.00	0.59	1.530	O	|	|	|	3.43
13.417	0.00	0.59	1.526	O	|	|	|	3.42
13.500	0.00	0.59	1.522	O	|	|	|	3.41
13.583	0.00	0.59	1.518	O	|	|	|	3.40
13.667	0.00	0.59	1.514	O	|	|	|	3.40
13.750	0.00	0.59	1.510	O	|	|	|	3.39
13.833	0.00	0.59	1.506	O	|	|	|	3.38
13.917	0.00	0.59	1.502	O	|	|	|	3.37
14.000	0.00	0.59	1.498	O	|	|	|	3.37
14.083	0.00	0.59	1.494	O	|	|	|	3.36
14.167	0.00	0.59	1.490	O	|	|	|	3.35
14.250	0.00	0.58	1.486	O	|	|	|	3.34
14.333	0.00	0.58	1.482	O	|	|	|	3.34
14.417	0.00	0.58	1.478	O	|	|	|	3.33
14.500	0.00	0.58	1.474	O	|	|	|	3.32
14.583	0.00	0.58	1.470	O	|	|	|	3.31
14.667	0.00	0.58	1.466	O	|	|	|	3.31
14.750	0.00	0.58	1.462	O	|	|	|	3.30
14.833	0.00	0.58	1.458	O	|	|	|	3.29
14.917	0.00	0.58	1.454	O	|	|	|	3.28
15.000	0.00	0.58	1.450	O	|	|	|	3.28
15.083	0.00	0.58	1.446	O	|	|	|	3.27
15.167	0.00	0.58	1.442	O	|	|	|	3.26
15.250	0.00	0.58	1.438	O	|	|	|	3.26
15.333	0.00	0.57	1.434	O	|	|	|	3.25
15.417	0.00	0.57	1.430	O	|	|	|	3.24
15.500	0.00	0.57	1.426	O	|	|	|	3.23
15.583	0.00	0.57	1.422	O	|	|	|	3.23
15.667	0.00	0.57	1.418	O	|	|	|	3.22
15.750	0.00	0.57	1.414	O	|	|	|	3.21
15.833	0.00	0.57	1.410	O	|	|	|	3.20
15.917	0.00	0.57	1.406	O	|	|	|	3.20
16.000	0.00	0.57	1.402	O	|	|	|	3.19
16.083	0.00	0.57	1.399	O	|	|	|	3.18
16.167	0.00	0.57	1.395	O	|	|	|	3.18
16.250	0.00	0.57	1.391	O	|	|	|	3.17
16.333	0.00	0.57	1.387	O	|	|	|	3.16
16.417	0.00	0.57	1.383	O	|	|	|	3.15
16.500	0.00	0.56	1.379	O	|	|	|	3.15
16.583	0.00	0.56	1.375	O	|	|	|	3.14
16.667	0.00	0.56	1.371	O	|	|	|	3.13
16.750	0.00	0.56	1.367	O	|	|	|	3.12
16.833	0.00	0.56	1.364	O	|	|	|	3.12
16.917	0.00	0.56	1.360	O	|	|	|	3.11

17.000	0.00	0.56	1.356	O	|	|	|	3.10
17.083	0.00	0.56	1.352	O	|	|	|	3.10
17.167	0.00	0.56	1.348	O	|	|	|	3.09
17.250	0.00	0.56	1.344	O	|	|	|	3.08
17.333	0.00	0.56	1.340	O	|	|	|	3.07
17.417	0.00	0.56	1.337	O	|	|	|	3.07
17.500	0.00	0.56	1.333	O	|	|	|	3.06
17.583	0.00	0.56	1.329	O	|	|	|	3.05
17.667	0.00	0.55	1.325	O	|	|	|	3.05
17.750	0.00	0.55	1.321	O	|	|	|	3.04
17.833	0.00	0.55	1.317	O	|	|	|	3.03
17.917	0.00	0.55	1.314	O	|	|	|	3.03
18.000	0.00	0.55	1.310	O	|	|	|	3.02
18.083	0.00	0.55	1.306	O	|	|	|	3.01
18.167	0.00	0.55	1.302	O	|	|	|	3.00
18.250	0.00	0.55	1.298	O	|	|	|	3.00
18.333	0.00	0.55	1.295	O	|	|	|	2.99
18.417	0.00	0.55	1.291	O	|	|	|	2.98
18.500	0.00	0.55	1.287	O	|	|	|	2.97
18.583	0.00	0.55	1.283	O	|	|	|	2.97
18.667	0.00	0.55	1.280	O	|	|	|	2.96
18.750	0.00	0.54	1.276	O	|	|	|	2.95
18.833	0.00	0.54	1.272	O	|	|	|	2.94
18.917	0.00	0.54	1.268	O	|	|	|	2.94
19.000	0.00	0.54	1.265	O	|	|	|	2.93
19.083	0.00	0.54	1.261	O	|	|	|	2.92
19.167	0.00	0.54	1.257	O	|	|	|	2.91
19.250	0.00	0.54	1.253	O	|	|	|	2.90
19.333	0.00	0.54	1.250	O	|	|	|	2.90
19.417	0.00	0.54	1.246	O	|	|	|	2.89
19.500	0.00	0.54	1.242	O	|	|	|	2.88
19.583	0.00	0.54	1.239	O	|	|	|	2.87
19.667	0.00	0.54	1.235	O	|	|	|	2.87
19.750	0.00	0.53	1.231	O	|	|	|	2.86
19.833	0.00	0.53	1.228	O	|	|	|	2.85
19.917	0.00	0.53	1.224	O	|	|	|	2.84
20.000	0.00	0.53	1.220	O	|	|	|	2.84
20.083	0.00	0.53	1.217	O	|	|	|	2.83
20.167	0.00	0.53	1.213	O	|	|	|	2.82
20.250	0.00	0.53	1.209	O	|	|	|	2.81
20.333	0.00	0.53	1.206	O	|	|	|	2.81
20.417	0.00	0.53	1.202	O	|	|	|	2.80
20.500	0.00	0.53	1.198	O	|	|	|	2.79
20.583	0.00	0.53	1.195	O	|	|	|	2.79
20.667	0.00	0.53	1.191	O	|	|	|	2.78
20.750	0.00	0.52	1.187	O	|	|	|	2.77
20.833	0.00	0.52	1.184	O	|	|	|	2.76
20.917	0.00	0.52	1.180	O	|	|	|	2.76
21.000	0.00	0.52	1.177	O	|	|	|	2.75
21.083	0.00	0.52	1.173	O	|	|	|	2.74
21.167	0.00	0.52	1.169	O	|	|	|	2.73
21.250	0.00	0.52	1.166	O	|	|	|	2.73
21.333	0.00	0.52	1.162	O	|	|	|	2.72
21.417	0.00	0.52	1.159	O	|	|	|	2.71
21.500	0.00	0.52	1.155	O	|	|	|	2.70
21.583	0.00	0.52	1.152	O	|	|	|	2.70
21.667	0.00	0.52	1.148	O	|	|	|	2.69
21.750	0.00	0.52	1.145	O	|	|	|	2.68
21.833	0.00	0.51	1.141	O	|	|	|	2.68
21.917	0.00	0.51	1.137	O	|	|	|	2.67
22.000	0.00	0.51	1.134	O	|	|	|	2.66
22.083	0.00	0.51	1.130	O	|	|	|	2.65
22.167	0.00	0.51	1.127	O	|	|	|	2.65
22.250	0.00	0.51	1.123	O	|	|	|	2.64
22.333	0.00	0.51	1.120	O	|	|	|	2.63
22.417	0.00	0.51	1.116	O	|	|	|	2.63
22.500	0.00	0.51	1.113	O	|	|	|	2.62

22.583	0.00	0.51	1.109	O	|	|	|	2.61
22.667	0.00	0.51	1.106	O	|	|	|	2.60
22.750	0.00	0.51	1.102	O	|	|	|	2.60
22.833	0.00	0.50	1.099	O	|	|	|	2.59
22.917	0.00	0.50	1.095	O	|	|	|	2.58
23.000	0.00	0.50	1.092	O	|	|	|	2.58
23.083	0.00	0.50	1.088	O	|	|	|	2.57
23.167	0.00	0.50	1.085	O	|	|	|	2.56
23.250	0.00	0.50	1.082	O	|	|	|	2.55
23.333	0.00	0.50	1.078	O	|	|	|	2.55
23.417	0.00	0.50	1.075	O	|	|	|	2.54
23.500	0.00	0.50	1.071	O	|	|	|	2.53
23.583	0.00	0.50	1.068	O	|	|	|	2.53
23.667	0.00	0.50	1.064	O	|	|	|	2.52
23.750	0.00	0.50	1.061	O	|	|	|	2.51
23.833	0.00	0.50	1.058	O	|	|	|	2.51
23.917	0.00	0.49	1.054	O	|	|	|	2.50
24.000	0.00	0.49	1.051	O	|	|	|	2.49
24.083	0.00	0.49	1.047	O	|	|	|	2.48
24.167	0.00	0.49	1.044	O	|	|	|	2.48
24.250	0.00	0.49	1.041	O	|	|	|	2.47
24.333	0.00	0.49	1.037	O	|	|	|	2.46
24.417	0.00	0.49	1.034	O	|	|	|	2.46
24.500	0.00	0.49	1.030	O	|	|	|	2.45
24.583	0.00	0.49	1.027	O	|	|	|	2.44
24.667	0.00	0.49	1.024	O	|	|	|	2.44
24.750	0.00	0.49	1.020	O	|	|	|	2.43
24.833	0.00	0.49	1.017	O	|	|	|	2.42
24.917	0.00	0.49	1.014	O	|	|	|	2.42
25.000	0.00	0.48	1.010	O	|	|	|	2.41
25.083	0.00	0.48	1.007	O	|	|	|	2.40
25.167	0.00	0.48	1.004	O	|	|	|	2.40
25.250	0.00	0.48	1.000	O	|	|	|	2.39
25.333	0.00	0.48	0.997	O	|	|	|	2.38
25.417	0.00	0.48	0.994	O	|	|	|	2.37
25.500	0.00	0.48	0.990	O	|	|	|	2.37
25.583	0.00	0.48	0.987	O	|	|	|	2.36
25.667	0.00	0.48	0.984	O	|	|	|	2.35
25.750	0.00	0.48	0.980	O	|	|	|	2.35
25.833	0.00	0.48	0.977	O	|	|	|	2.34
25.917	0.00	0.48	0.974	O	|	|	|	2.33
26.000	0.00	0.48	0.971	O	|	|	|	2.33
26.083	0.00	0.48	0.967	O	|	|	|	2.32
26.167	0.00	0.47	0.964	O	|	|	|	2.31
26.250	0.00	0.47	0.961	O	|	|	|	2.31
26.333	0.00	0.47	0.957	O	|	|	|	2.30
26.417	0.00	0.47	0.954	O	|	|	|	2.29
26.500	0.00	0.47	0.951	O	|	|	|	2.29
26.583	0.00	0.47	0.948	O	|	|	|	2.28
26.667	0.00	0.47	0.944	O	|	|	|	2.27
26.750	0.00	0.47	0.941	O	|	|	|	2.27
26.833	0.00	0.47	0.938	O	|	|	|	2.26
26.917	0.00	0.47	0.935	O	|	|	|	2.25
27.000	0.00	0.47	0.932	O	|	|	|	2.25
27.083	0.00	0.47	0.928	O	|	|	|	2.24
27.167	0.00	0.47	0.925	O	|	|	|	2.23
27.250	0.00	0.47	0.922	O	|	|	|	2.23
27.333	0.00	0.46	0.919	O	|	|	|	2.22
27.417	0.00	0.46	0.916	O	|	|	|	2.22
27.500	0.00	0.46	0.912	O	|	|	|	2.21
27.583	0.00	0.46	0.909	O	|	|	|	2.20
27.667	0.00	0.46	0.906	O	|	|	|	2.20
27.750	0.00	0.46	0.903	O	|	|	|	2.19
27.833	0.00	0.46	0.900	O	|	|	|	2.18
27.917	0.00	0.46	0.896	O	|	|	|	2.18
28.000	0.00	0.46	0.893	O	|	|	|	2.17
28.083	0.00	0.46	0.890	O	|	|	|	2.16

28.167	0.00	0.46	0.887	O	|	|	|	|	2.16
28.250	0.00	0.46	0.884	O	|	|	|	|	2.15
28.333	0.00	0.46	0.881	O	|	|	|	|	2.14
28.417	0.00	0.46	0.878	O	|	|	|	|	2.14
28.500	0.00	0.45	0.874	O	|	|	|	|	2.13
28.583	0.00	0.45	0.871	O	|	|	|	|	2.13
28.667	0.00	0.45	0.868	O	|	|	|	|	2.12
28.750	0.00	0.45	0.865	O	|	|	|	|	2.11
28.833	0.00	0.45	0.862	O	|	|	|	|	2.11
28.917	0.00	0.45	0.859	O	|	|	|	|	2.10
29.000	0.00	0.45	0.856	O	|	|	|	|	2.09
29.083	0.00	0.45	0.853	O	|	|	|	|	2.09
29.167	0.00	0.45	0.850	O	|	|	|	|	2.08
29.250	0.00	0.45	0.846	O	|	|	|	|	2.07
29.333	0.00	0.45	0.843	O	|	|	|	|	2.07
29.417	0.00	0.45	0.840	O	|	|	|	|	2.06
29.500	0.00	0.45	0.837	O	|	|	|	|	2.06
29.583	0.00	0.45	0.834	O	|	|	|	|	2.05
29.667	0.00	0.44	0.831	O	|	|	|	|	2.04
29.750	0.00	0.44	0.828	O	|	|	|	|	2.04
29.833	0.00	0.44	0.825	O	|	|	|	|	2.03
29.917	0.00	0.44	0.822	O	|	|	|	|	2.02
30.000	0.00	0.44	0.819	O	|	|	|	|	2.02
30.083	0.00	0.44	0.816	O	|	|	|	|	2.01
30.167	0.00	0.44	0.813	O	|	|	|	|	2.01
30.250	0.00	0.44	0.810	O	|	|	|	|	2.00
30.333	0.00	0.44	0.807	O	|	|	|	|	1.99
30.417	0.00	0.44	0.804	O	|	|	|	|	1.99
30.500	0.00	0.44	0.801	O	|	|	|	|	1.98
30.583	0.00	0.44	0.798	O	|	|	|	|	1.97
30.667	0.00	0.43	0.795	O	|	|	|	|	1.96
30.750	0.00	0.43	0.792	O	|	|	|	|	1.96
30.833	0.00	0.43	0.789	O	|	|	|	|	1.95
30.917	0.00	0.43	0.786	O	|	|	|	|	1.94
31.000	0.00	0.43	0.783	O	|	|	|	|	1.94
31.083	0.00	0.43	0.780	O	|	|	|	|	1.93
31.167	0.00	0.43	0.777	O	|	|	|	|	1.92
31.250	0.00	0.43	0.774	O	|	|	|	|	1.92
31.333	0.00	0.43	0.771	O	|	|	|	|	1.91
31.417	0.00	0.43	0.768	O	|	|	|	|	1.90
31.500	0.00	0.42	0.765	O	|	|	|	|	1.90
31.583	0.00	0.42	0.762	O	|	|	|	|	1.89
31.667	0.00	0.42	0.759	O	|	|	|	|	1.88
31.750	0.00	0.42	0.756	O	|	|	|	|	1.88
31.833	0.00	0.42	0.753	O	|	|	|	|	1.87
31.917	0.00	0.42	0.751	O	|	|	|	|	1.86
32.000	0.00	0.42	0.748	O	|	|	|	|	1.86
32.083	0.00	0.42	0.745	O	|	|	|	|	1.85
32.167	0.00	0.42	0.742	O	|	|	|	|	1.84
32.250	0.00	0.42	0.739	O	|	|	|	|	1.84
32.333	0.00	0.41	0.736	O	|	|	|	|	1.83
32.417	0.00	0.41	0.733	O	|	|	|	|	1.82
32.500	0.00	0.41	0.731	O	|	|	|	|	1.82
32.583	0.00	0.41	0.728	O	|	|	|	|	1.81
32.667	0.00	0.41	0.725	O	|	|	|	|	1.80
32.750	0.00	0.41	0.722	O	|	|	|	|	1.80
32.833	0.00	0.41	0.719	O	|	|	|	|	1.79
32.917	0.00	0.41	0.716	O	|	|	|	|	1.78
33.000	0.00	0.41	0.714	O	|	|	|	|	1.78
33.083	0.00	0.41	0.711	O	|	|	|	|	1.77
33.167	0.00	0.40	0.708	O	|	|	|	|	1.76
33.250	0.00	0.40	0.705	O	|	|	|	|	1.76
33.333	0.00	0.40	0.702	O	|	|	|	|	1.75
33.417	0.00	0.40	0.700	O	|	|	|	|	1.74
33.500	0.00	0.40	0.697	O	|	|	|	|	1.74
33.583	0.00	0.40	0.694	O	|	|	|	|	1.73
33.667	0.00	0.40	0.691	O	|	|	|	|	1.72

33.750	0.00	0.40	0.689	O	|	|	|	1.72
33.833	0.00	0.40	0.686	O	|	|	|	1.71
33.917	0.00	0.40	0.683	O	|	|	|	1.71
34.000	0.00	0.39	0.681	O	|	|	|	1.70
34.083	0.00	0.39	0.678	O	|	|	|	1.69
34.167	0.00	0.39	0.675	O	|	|	|	1.69
34.250	0.00	0.39	0.672	O	|	|	|	1.68
34.333	0.00	0.39	0.670	O	|	|	|	1.67
34.417	0.00	0.39	0.667	O	|	|	|	1.67
34.500	0.00	0.39	0.664	O	|	|	|	1.66
34.583	0.00	0.39	0.662	O	|	|	|	1.66
34.667	0.00	0.39	0.659	O	|	|	|	1.65
34.750	0.00	0.39	0.656	O	|	|	|	1.64
34.833	0.00	0.39	0.654	O	|	|	|	1.64
34.917	0.00	0.38	0.651	O	|	|	|	1.63
35.000	0.00	0.38	0.648	O	|	|	|	1.62
35.083	0.00	0.38	0.646	O	|	|	|	1.62
35.167	0.00	0.38	0.643	O	|	|	|	1.61
35.250	0.00	0.38	0.640	O	|	|	|	1.61
35.333	0.00	0.38	0.638	O	|	|	|	1.60
35.417	0.00	0.38	0.635	O	|	|	|	1.59
35.500	0.00	0.38	0.633	O	|	|	|	1.59
35.583	0.00	0.38	0.630	O	|	|	|	1.58
35.667	0.00	0.38	0.627	O	|	|	|	1.58
35.750	0.00	0.38	0.625	O	|	|	|	1.57
35.833	0.00	0.37	0.622	O	|	|	|	1.56
35.917	0.00	0.37	0.620	O	|	|	|	1.56
36.000	0.00	0.37	0.617	O	|	|	|	1.55
36.083	0.00	0.37	0.615	O	|	|	|	1.55
36.167	0.00	0.37	0.612	O	|	|	|	1.54
36.250	0.00	0.37	0.609	O	|	|	|	1.53
36.333	0.00	0.37	0.607	O	|	|	|	1.53
36.417	0.00	0.37	0.604	O	|	|	|	1.52
36.500	0.00	0.37	0.602	O	|	|	|	1.52
36.583	0.00	0.37	0.599	O	|	|	|	1.51
36.667	0.00	0.37	0.597	O	|	|	|	1.50
36.750	0.00	0.36	0.594	O	|	|	|	1.50
36.833	0.00	0.36	0.592	O	|	|	|	1.49
36.917	0.00	0.36	0.589	O	|	|	|	1.49
37.000	0.00	0.36	0.587	O	|	|	|	1.48
37.083	0.00	0.36	0.584	O	|	|	|	1.48
37.167	0.00	0.36	0.582	O	|	|	|	1.47
37.250	0.00	0.36	0.579	O	|	|	|	1.46
37.333	0.00	0.36	0.577	O	|	|	|	1.46
37.417	0.00	0.36	0.574	O	|	|	|	1.45
37.500	0.00	0.36	0.572	O	|	|	|	1.45
37.583	0.00	0.36	0.569	O	|	|	|	1.44
37.667	0.00	0.36	0.567	O	|	|	|	1.43
37.750	0.00	0.35	0.565	O	|	|	|	1.43
37.833	0.00	0.35	0.562	O	|	|	|	1.42
37.917	0.00	0.35	0.560	O	|	|	|	1.42
38.000	0.00	0.35	0.557	O	|	|	|	1.41
38.083	0.00	0.35	0.555	O	|	|	|	1.41
38.167	0.00	0.35	0.552	O	|	|	|	1.40
38.250	0.00	0.35	0.550	O	|	|	|	1.40
38.333	0.00	0.35	0.548	O	|	|	|	1.39
38.417	0.00	0.35	0.545	O	|	|	|	1.38
38.500	0.00	0.35	0.543	O	|	|	|	1.38
38.583	0.00	0.35	0.540	O	|	|	|	1.37
38.667	0.00	0.35	0.538	O	|	|	|	1.37
38.750	0.00	0.34	0.536	O	|	|	|	1.36
38.833	0.00	0.34	0.533	O	|	|	|	1.36
38.917	0.00	0.34	0.531	O	|	|	|	1.35
39.000	0.00	0.34	0.529	O	|	|	|	1.35
39.083	0.00	0.34	0.526	O	|	|	|	1.34
39.167	0.00	0.34	0.524	O	|	|	|	1.33
39.250	0.00	0.34	0.522	O	|	|	|	1.33

39.333	0.00	0.34	0.519	O	|	|	|	1.32
39.417	0.00	0.34	0.517	O	|	|	|	1.32
39.500	0.00	0.34	0.515	O	|	|	|	1.31
39.583	0.00	0.34	0.512	O	|	|	|	1.31
39.667	0.00	0.34	0.510	O	|	|	|	1.30
39.750	0.00	0.33	0.508	O	|	|	|	1.30
39.833	0.00	0.33	0.505	O	|	|	|	1.29
39.917	0.00	0.33	0.503	O	|	|	|	1.29
40.000	0.00	0.33	0.501	O	|	|	|	1.28
40.083	0.00	0.33	0.498	O	|	|	|	1.28
40.167	0.00	0.33	0.496	O	|	|	|	1.27
40.250	0.00	0.33	0.494	O	|	|	|	1.26
40.333	0.00	0.33	0.492	O	|	|	|	1.26
40.417	0.00	0.33	0.489	O	|	|	|	1.25
40.500	0.00	0.33	0.487	O	|	|	|	1.25
40.583	0.00	0.33	0.485	O	|	|	|	1.24
40.667	0.00	0.33	0.483	O	|	|	|	1.24
40.750	0.00	0.33	0.480	O	|	|	|	1.23
40.833	0.00	0.32	0.478	O	|	|	|	1.23
40.917	0.00	0.32	0.476	O	|	|	|	1.22
41.000	0.00	0.32	0.474	O	|	|	|	1.22
41.083	0.00	0.32	0.471	O	|	|	|	1.21
41.167	0.00	0.32	0.469	O	|	|	|	1.21
41.250	0.00	0.32	0.467	O	|	|	|	1.20
41.333	0.00	0.32	0.465	O	|	|	|	1.20
41.417	0.00	0.32	0.463	O	|	|	|	1.19
41.500	0.00	0.32	0.460	O	|	|	|	1.19
41.583	0.00	0.32	0.458	O	|	|	|	1.18
41.667	0.00	0.32	0.456	O	|	|	|	1.18
41.750	0.00	0.32	0.454	O	|	|	|	1.17
41.833	0.00	0.32	0.452	O	|	|	|	1.17
41.917	0.00	0.31	0.450	O	|	|	|	1.16
42.000	0.00	0.31	0.447	O	|	|	|	1.16
42.083	0.00	0.31	0.445	O	|	|	|	1.15
42.167	0.00	0.31	0.443	O	|	|	|	1.15
42.250	0.00	0.31	0.441	O	|	|	|	1.14
42.333	0.00	0.31	0.439	O	|	|	|	1.14
42.417	0.00	0.31	0.437	O	|	|	|	1.13
42.500	0.00	0.31	0.435	O	|	|	|	1.13
42.583	0.00	0.31	0.432	O	|	|	|	1.12
42.667	0.00	0.31	0.430	O	|	|	|	1.12
42.750	0.00	0.31	0.428	O	|	|	|	1.11
42.833	0.00	0.31	0.426	O	|	|	|	1.11
42.917	0.00	0.31	0.424	O	|	|	|	1.10
43.000	0.00	0.30	0.422	O	|	|	|	1.10
43.083	0.00	0.30	0.420	O	|	|	|	1.09
43.167	0.00	0.30	0.418	O	|	|	|	1.09
43.250	0.00	0.30	0.416	O	|	|	|	1.08
43.333	0.00	0.30	0.414	O	|	|	|	1.08
43.417	0.00	0.30	0.411	O	|	|	|	1.07
43.500	0.00	0.30	0.409	O	|	|	|	1.07
43.583	0.00	0.30	0.407	O	|	|	|	1.06
43.667	0.00	0.30	0.405	O	|	|	|	1.06
43.750	0.00	0.30	0.403	O	|	|	|	1.05
43.833	0.00	0.30	0.401	O	|	|	|	1.05
43.917	0.00	0.30	0.399	O	|	|	|	1.04
44.000	0.00	0.30	0.397	O	|	|	|	1.04
44.083	0.00	0.30	0.395	O	|	|	|	1.03
44.167	0.00	0.29	0.393	O	|	|	|	1.03
44.250	0.00	0.29	0.391	O	|	|	|	1.03
44.333	0.00	0.29	0.389	O	|	|	|	1.02
44.417	0.00	0.29	0.387	O	|	|	|	1.02
44.500	0.00	0.29	0.385	O	|	|	|	1.01
44.583	0.00	0.29	0.383	O	|	|	|	1.01
44.667	0.00	0.29	0.381	O	|	|	|	1.00
44.750	0.00	0.29	0.379	O	|	|	|	1.00
44.833	0.00	0.29	0.377	O	|	|	|	0.99

44.917	0.00	0.29	0.375	O	|	|	|	0.99
45.000	0.00	0.28	0.373	O	|	|	|	0.98
45.083	0.00	0.28	0.371	O	|	|	|	0.98
45.167	0.00	0.28	0.369	O	|	|	|	0.97
45.250	0.00	0.28	0.367	O	|	|	|	0.97
45.333	0.00	0.28	0.365	O	|	|	|	0.96
45.417	0.00	0.28	0.363	O	|	|	|	0.96
45.500	0.00	0.28	0.361	O	|	|	|	0.95
45.583	0.00	0.27	0.359	O	|	|	|	0.95
45.667	0.00	0.27	0.358	O	|	|	|	0.94
45.750	0.00	0.27	0.356	O	|	|	|	0.94
45.833	0.00	0.27	0.354	O	|	|	|	0.93
45.917	0.00	0.27	0.352	O	|	|	|	0.93
46.000	0.00	0.27	0.350	O	|	|	|	0.92
46.083	0.00	0.27	0.348	O	|	|	|	0.92
46.167	0.00	0.26	0.347	O	|	|	|	0.91
46.250	0.00	0.26	0.345	O	|	|	|	0.91
46.333	0.00	0.26	0.343	O	|	|	|	0.90
46.417	0.00	0.26	0.341	O	|	|	|	0.90
46.500	0.00	0.26	0.339	O	|	|	|	0.89
46.583	0.00	0.26	0.338	O	|	|	|	0.89
46.667	0.00	0.26	0.336	O	|	|	|	0.88
46.750	0.00	0.25	0.334	O	|	|	|	0.88
46.833	0.00	0.25	0.332	O	|	|	|	0.87
46.917	0.00	0.25	0.331	O	|	|	|	0.87
47.000	0.00	0.25	0.329	O	|	|	|	0.87
47.083	0.00	0.25	0.327	O	|	|	|	0.86
47.167	0.00	0.25	0.325	O	|	|	|	0.86
47.250	0.00	0.25	0.324	O	|	|	|	0.85
47.333	0.00	0.25	0.322	O	|	|	|	0.85
47.417	0.00	0.24	0.320	O	|	|	|	0.84
47.500	0.00	0.24	0.319	O	|	|	|	0.84
47.583	0.00	0.24	0.317	O	|	|	|	0.83
47.667	0.00	0.24	0.315	O	|	|	|	0.83
47.750	0.00	0.24	0.314	O	|	|	|	0.83
47.833	0.00	0.24	0.312	O	|	|	|	0.82
47.917	0.00	0.24	0.310	O	|	|	|	0.82
48.000	0.00	0.24	0.309	O	|	|	|	0.81
48.083	0.00	0.23	0.307	O	|	|	|	0.81
48.167	0.00	0.23	0.305	O	|	|	|	0.80
48.250	0.00	0.23	0.304	O	|	|	|	0.80
48.333	0.00	0.23	0.302	O	|	|	|	0.80
48.417	0.00	0.23	0.301	O	|	|	|	0.79
48.500	0.00	0.23	0.299	O	|	|	|	0.79
48.583	0.00	0.23	0.298	O	|	|	|	0.78
48.667	0.00	0.23	0.296	O	|	|	|	0.78
48.750	0.00	0.22	0.294	O	|	|	|	0.77
48.833	0.00	0.22	0.293	O	|	|	|	0.77
48.917	0.00	0.22	0.291	O	|	|	|	0.77
49.000	0.00	0.22	0.290	O	|	|	|	0.76
49.083	0.00	0.22	0.288	O	|	|	|	0.76
49.167	0.00	0.22	0.287	O	|	|	|	0.75
49.250	0.00	0.22	0.285	O	|	|	|	0.75
49.333	0.00	0.22	0.284	O	|	|	|	0.75
49.417	0.00	0.22	0.282	O	|	|	|	0.74
49.500	0.00	0.21	0.281	O	|	|	|	0.74
49.583	0.00	0.21	0.279	O	|	|	|	0.74
49.667	0.00	0.21	0.278	O	|	|	|	0.73
49.750	0.00	0.21	0.276	O	|	|	|	0.73
49.833	0.00	0.21	0.275	O	|	|	|	0.72
49.917	0.00	0.21	0.274	O	|	|	|	0.72
50.000	0.00	0.21	0.272	O	|	|	|	0.72
50.083	0.00	0.21	0.271	O	|	|	|	0.71
50.167	0.00	0.21	0.269	O	|	|	|	0.71
50.250	0.00	0.20	0.268	O	|	|	|	0.70
50.333	0.00	0.20	0.266	O	|	|	|	0.70
50.417	0.00	0.20	0.265	O	|	|	|	0.70

50.500	0.00	0.20	0.264	O	|	|	|	|	0.69
50.583	0.00	0.20	0.262	O	|	|	|	|	0.69
50.667	0.00	0.20	0.261	O	|	|	|	|	0.69
50.750	0.00	0.20	0.260	O	|	|	|	|	0.68
50.833	0.00	0.20	0.258	O	|	|	|	|	0.68
50.917	0.00	0.20	0.257	O	|	|	|	|	0.68
51.000	0.00	0.19	0.255	O	|	|	|	|	0.67
51.083	0.00	0.19	0.254	O	|	|	|	|	0.67
51.167	0.00	0.19	0.253	O	|	|	|	|	0.67
51.250	0.00	0.19	0.251	O	|	|	|	|	0.66
51.333	0.00	0.19	0.250	O	|	|	|	|	0.66
51.417	0.00	0.19	0.249	O	|	|	|	|	0.65
51.500	0.00	0.19	0.248	O	|	|	|	|	0.65
51.583	0.00	0.19	0.246	O	|	|	|	|	0.65
51.667	0.00	0.19	0.245	O	|	|	|	|	0.64
51.750	0.00	0.19	0.244	O	|	|	|	|	0.64
51.833	0.00	0.18	0.242	O	|	|	|	|	0.64
51.917	0.00	0.18	0.241	O	|	|	|	|	0.63
52.000	0.00	0.18	0.240	O	|	|	|	|	0.63
52.083	0.00	0.18	0.239	O	|	|	|	|	0.63
52.167	0.00	0.18	0.237	O	|	|	|	|	0.62
52.250	0.00	0.18	0.236	O	|	|	|	|	0.62
52.333	0.00	0.18	0.235	O	|	|	|	|	0.62
52.417	0.00	0.18	0.234	O	|	|	|	|	0.61
52.500	0.00	0.18	0.232	O	|	|	|	|	0.61
52.583	0.00	0.18	0.231	O	|	|	|	|	0.61
52.667	0.00	0.18	0.230	O	|	|	|	|	0.61
52.750	0.00	0.17	0.229	O	|	|	|	|	0.60
52.833	0.00	0.17	0.228	O	|	|	|	|	0.60
52.917	0.00	0.17	0.226	O	|	|	|	|	0.60
53.000	0.00	0.17	0.225	O	|	|	|	|	0.59
53.083	0.00	0.17	0.224	O	|	|	|	|	0.59
53.167	0.00	0.17	0.223	O	|	|	|	|	0.59
53.250	0.00	0.17	0.222	O	|	|	|	|	0.58
53.333	0.00	0.17	0.221	O	|	|	|	|	0.58
53.417	0.00	0.17	0.219	O	|	|	|	|	0.58
53.500	0.00	0.17	0.218	O	|	|	|	|	0.57
53.583	0.00	0.17	0.217	O	|	|	|	|	0.57
53.667	0.00	0.16	0.216	O	|	|	|	|	0.57
53.750	0.00	0.16	0.215	O	|	|	|	|	0.57
53.833	0.00	0.16	0.214	O	|	|	|	|	0.56
53.917	0.00	0.16	0.213	O	|	|	|	|	0.56
54.000	0.00	0.16	0.211	O	|	|	|	|	0.56
54.083	0.00	0.16	0.210	O	|	|	|	|	0.55
54.167	0.00	0.16	0.209	O	|	|	|	|	0.55
54.250	0.00	0.16	0.208	O	|	|	|	|	0.55
54.333	0.00	0.16	0.207	O	|	|	|	|	0.54
54.417	0.00	0.16	0.206	O	|	|	|	|	0.54
54.500	0.00	0.16	0.205	O	|	|	|	|	0.54
54.583	0.00	0.16	0.204	O	|	|	|	|	0.54
54.667	0.00	0.15	0.203	O	|	|	|	|	0.53
54.750	0.00	0.15	0.202	O	|	|	|	|	0.53
54.833	0.00	0.15	0.201	O	|	|	|	|	0.53
54.917	0.00	0.15	0.200	O	|	|	|	|	0.53
55.000	0.00	0.15	0.199	O	|	|	|	|	0.52
55.083	0.00	0.15	0.197	O	|	|	|	|	0.52
55.167	0.00	0.15	0.196	O	|	|	|	|	0.52
55.250	0.00	0.15	0.195	O	|	|	|	|	0.51
55.333	0.00	0.15	0.194	O	|	|	|	|	0.51
55.417	0.00	0.15	0.193	O	|	|	|	|	0.51
55.500	0.00	0.15	0.192	O	|	|	|	|	0.51
55.583	0.00	0.15	0.191	O	|	|	|	|	0.50
55.667	0.00	0.15	0.190	O	|	|	|	|	0.50
55.750	0.00	0.14	0.189	O	|	|	|	|	0.50
55.833	0.00	0.14	0.188	O	|	|	|	|	0.50
55.917	0.00	0.14	0.187	O	|	|	|	|	0.49
56.000	0.00	0.14	0.186	O	|	|	|	|	0.49

56.083	0.00	0.14	0.185	O	|	|	|	|	0.49
56.167	0.00	0.14	0.184	O	|	|	|	|	0.49
56.250	0.00	0.14	0.183	O	|	|	|	|	0.48
56.333	0.00	0.14	0.182	O	|	|	|	|	0.48
56.417	0.00	0.14	0.182	O	|	|	|	|	0.48
56.500	0.00	0.14	0.181	O	|	|	|	|	0.48
56.583	0.00	0.14	0.180	O	|	|	|	|	0.47
56.667	0.00	0.14	0.179	O	|	|	|	|	0.47
56.750	0.00	0.14	0.178	O	|	|	|	|	0.47
56.833	0.00	0.13	0.177	O	|	|	|	|	0.47
56.917	0.00	0.13	0.176	O	|	|	|	|	0.46
57.000	0.00	0.13	0.175	O	|	|	|	|	0.46
57.083	0.00	0.13	0.174	O	|	|	|	|	0.46
57.167	0.00	0.13	0.173	O	|	|	|	|	0.46
57.250	0.00	0.13	0.172	O	|	|	|	|	0.45
57.333	0.00	0.13	0.171	O	|	|	|	|	0.45
57.417	0.00	0.13	0.170	O	|	|	|	|	0.45
57.500	0.00	0.13	0.170	O	|	|	|	|	0.45
57.583	0.00	0.13	0.169	O	|	|	|	|	0.44
57.667	0.00	0.13	0.168	O	|	|	|	|	0.44
57.750	0.00	0.13	0.167	O	|	|	|	|	0.44
57.833	0.00	0.13	0.166	O	|	|	|	|	0.44
57.917	0.00	0.13	0.165	O	|	|	|	|	0.43
58.000	0.00	0.13	0.164	O	|	|	|	|	0.43
58.083	0.00	0.12	0.163	O	|	|	|	|	0.43
58.167	0.00	0.12	0.163	O	|	|	|	|	0.43
58.250	0.00	0.12	0.162	O	|	|	|	|	0.43
58.333	0.00	0.12	0.161	O	|	|	|	|	0.42
58.417	0.00	0.12	0.160	O	|	|	|	|	0.42
58.500	0.00	0.12	0.159	O	|	|	|	|	0.42
58.583	0.00	0.12	0.158	O	|	|	|	|	0.42
58.667	0.00	0.12	0.158	O	|	|	|	|	0.41
58.750	0.00	0.12	0.157	O	|	|	|	|	0.41
58.833	0.00	0.12	0.156	O	|	|	|	|	0.41
58.917	0.00	0.12	0.155	O	|	|	|	|	0.41
59.000	0.00	0.12	0.154	O	|	|	|	|	0.41
59.083	0.00	0.12	0.153	O	|	|	|	|	0.40
59.167	0.00	0.12	0.153	O	|	|	|	|	0.40
59.250	0.00	0.12	0.152	O	|	|	|	|	0.40
59.333	0.00	0.12	0.151	O	|	|	|	|	0.40
59.417	0.00	0.11	0.150	O	|	|	|	|	0.40
59.500	0.00	0.11	0.149	O	|	|	|	|	0.39
59.583	0.00	0.11	0.149	O	|	|	|	|	0.39
59.667	0.00	0.11	0.148	O	|	|	|	|	0.39
59.750	0.00	0.11	0.147	O	|	|	|	|	0.39
59.833	0.00	0.11	0.146	O	|	|	|	|	0.39
59.917	0.00	0.11	0.146	O	|	|	|	|	0.38
60.000	0.00	0.11	0.145	O	|	|	|	|	0.38
60.083	0.00	0.11	0.144	O	|	|	|	|	0.38
60.167	0.00	0.11	0.143	O	|	|	|	|	0.38
60.250	0.00	0.11	0.143	O	|	|	|	|	0.38
60.333	0.00	0.11	0.142	O	|	|	|	|	0.37
60.417	0.00	0.11	0.141	O	|	|	|	|	0.37
60.500	0.00	0.11	0.140	O	|	|	|	|	0.37
60.583	0.00	0.11	0.140	O	|	|	|	|	0.37
60.667	0.00	0.11	0.139	O	|	|	|	|	0.37
60.750	0.00	0.11	0.138	O	|	|	|	|	0.36
60.833	0.00	0.10	0.137	O	|	|	|	|	0.36
60.917	0.00	0.10	0.137	O	|	|	|	|	0.36
61.000	0.00	0.10	0.136	O	|	|	|	|	0.36
61.083	0.00	0.10	0.135	O	|	|	|	|	0.36
61.167	0.00	0.10	0.135	O	|	|	|	|	0.35
61.250	0.00	0.10	0.134	O	|	|	|	|	0.35
61.333	0.00	0.10	0.133	O	|	|	|	|	0.35
61.417	0.00	0.10	0.132	O	|	|	|	|	0.35
61.500	0.00	0.10	0.132	O	|	|	|	|	0.35
61.583	0.00	0.10	0.131	O	|	|	|	|	0.34

61.667	0.00	0.10	0.130	O	|	|	|	|	0.34
61.750	0.00	0.10	0.130	O	|	|	|	|	0.34
61.833	0.00	0.10	0.129	O	|	|	|	|	0.34
61.917	0.00	0.10	0.128	O	|	|	|	|	0.34
62.000	0.00	0.10	0.128	O	|	|	|	|	0.34
62.083	0.00	0.10	0.127	O	|	|	|	|	0.33
62.167	0.00	0.10	0.126	O	|	|	|	|	0.33
62.250	0.00	0.10	0.126	O	|	|	|	|	0.33
62.333	0.00	0.10	0.125	O	|	|	|	|	0.33
62.417	0.00	0.09	0.124	O	|	|	|	|	0.33
62.500	0.00	0.09	0.124	O	|	|	|	|	0.33
62.583	0.00	0.09	0.123	O	|	|	|	|	0.32
62.667	0.00	0.09	0.122	O	|	|	|	|	0.32
62.750	0.00	0.09	0.122	O	|	|	|	|	0.32
62.833	0.00	0.09	0.121	O	|	|	|	|	0.32
62.917	0.00	0.09	0.120	O	|	|	|	|	0.32
63.000	0.00	0.09	0.120	O	|	|	|	|	0.32
63.083	0.00	0.09	0.119	O	|	|	|	|	0.31
63.167	0.00	0.09	0.119	O	|	|	|	|	0.31
63.250	0.00	0.09	0.118	O	|	|	|	|	0.31
63.333	0.00	0.09	0.117	O	|	|	|	|	0.31
63.417	0.00	0.09	0.117	O	|	|	|	|	0.31
63.500	0.00	0.09	0.116	O	|	|	|	|	0.31
63.583	0.00	0.09	0.116	O	|	|	|	|	0.30
63.667	0.00	0.09	0.115	O	|	|	|	|	0.30
63.750	0.00	0.09	0.114	O	|	|	|	|	0.30
63.833	0.00	0.09	0.114	O	|	|	|	|	0.30
63.917	0.00	0.09	0.113	O	|	|	|	|	0.30
64.000	0.00	0.09	0.113	O	|	|	|	|	0.30
64.083	0.00	0.09	0.112	O	|	|	|	|	0.29
64.167	0.00	0.08	0.111	O	|	|	|	|	0.29
64.250	0.00	0.08	0.111	O	|	|	|	|	0.29
64.333	0.00	0.08	0.110	O	|	|	|	|	0.29
64.417	0.00	0.08	0.110	O	|	|	|	|	0.29
64.500	0.00	0.08	0.109	O	|	|	|	|	0.29
64.583	0.00	0.08	0.108	O	|	|	|	|	0.29
64.667	0.00	0.08	0.108	O	|	|	|	|	0.28
64.750	0.00	0.08	0.107	O	|	|	|	|	0.28
64.833	0.00	0.08	0.107	O	|	|	|	|	0.28
64.917	0.00	0.08	0.106	O	|	|	|	|	0.28
65.000	0.00	0.08	0.106	O	|	|	|	|	0.28
65.083	0.00	0.08	0.105	O	|	|	|	|	0.28
65.167	0.00	0.08	0.105	O	|	|	|	|	0.28
65.250	0.00	0.08	0.104	O	|	|	|	|	0.27
65.333	0.00	0.08	0.103	O	|	|	|	|	0.27
65.417	0.00	0.08	0.103	O	|	|	|	|	0.27
65.500	0.00	0.08	0.102	O	|	|	|	|	0.27
65.583	0.00	0.08	0.102	O	|	|	|	|	0.27
65.667	0.00	0.08	0.101	O	|	|	|	|	0.27
65.750	0.00	0.08	0.101	O	|	|	|	|	0.27
65.833	0.00	0.08	0.100	O	|	|	|	|	0.26
65.917	0.00	0.08	0.100	O	|	|	|	|	0.26
66.000	0.00	0.08	0.099	O	|	|	|	|	0.26
66.083	0.00	0.08	0.099	O	|	|	|	|	0.26
66.167	0.00	0.07	0.098	O	|	|	|	|	0.26
66.250	0.00	0.07	0.098	O	|	|	|	|	0.26
66.333	0.00	0.07	0.097	O	|	|	|	|	0.26
66.417	0.00	0.07	0.097	O	|	|	|	|	0.25
66.500	0.00	0.07	0.096	O	|	|	|	|	0.25
66.583	0.00	0.07	0.096	O	|	|	|	|	0.25
66.667	0.00	0.07	0.095	O	|	|	|	|	0.25
66.750	0.00	0.07	0.095	O	|	|	|	|	0.25
66.833	0.00	0.07	0.094	O	|	|	|	|	0.25
66.917	0.00	0.07	0.094	O	|	|	|	|	0.25
67.000	0.00	0.07	0.093	O	|	|	|	|	0.25
67.083	0.00	0.07	0.093	O	|	|	|	|	0.24
67.167	0.00	0.07	0.092	O	|	|	|	|	0.24

67.250	0.00	0.07	0.092	O	|	|	|	0.24
67.333	0.00	0.07	0.091	O	|	|	|	0.24
67.417	0.00	0.07	0.091	O	|	|	|	0.24
67.500	0.00	0.07	0.090	O	|	|	|	0.24
67.583	0.00	0.07	0.090	O	|	|	|	0.24
67.667	0.00	0.07	0.089	O	|	|	|	0.23
67.750	0.00	0.07	0.089	O	|	|	|	0.23
67.833	0.00	0.07	0.088	O	|	|	|	0.23
67.917	0.00	0.07	0.088	O	|	|	|	0.23
68.000	0.00	0.07	0.087	O	|	|	|	0.23
68.083	0.00	0.07	0.087	O	|	|	|	0.23
68.167	0.00	0.07	0.087	O	|	|	|	0.23
68.250	0.00	0.07	0.086	O	|	|	|	0.23
68.333	0.00	0.07	0.086	O	|	|	|	0.23
68.417	0.00	0.06	0.085	O	|	|	|	0.22
68.500	0.00	0.06	0.085	O	|	|	|	0.22
68.583	0.00	0.06	0.084	O	|	|	|	0.22
68.667	0.00	0.06	0.084	O	|	|	|	0.22
68.750	0.00	0.06	0.083	O	|	|	|	0.22
68.833	0.00	0.06	0.083	O	|	|	|	0.22
68.917	0.00	0.06	0.083	O	|	|	|	0.22
69.000	0.00	0.06	0.082	O	|	|	|	0.22
69.083	0.00	0.06	0.082	O	|	|	|	0.21
69.167	0.00	0.06	0.081	O	|	|	|	0.21
69.250	0.00	0.06	0.081	O	|	|	|	0.21
69.333	0.00	0.06	0.080	O	|	|	|	0.21
69.417	0.00	0.06	0.080	O	|	|	|	0.21
69.500	0.00	0.06	0.080	O	|	|	|	0.21
69.583	0.00	0.06	0.079	O	|	|	|	0.21
69.667	0.00	0.06	0.079	O	|	|	|	0.21
69.750	0.00	0.06	0.078	O	|	|	|	0.21
69.833	0.00	0.06	0.078	O	|	|	|	0.20
69.917	0.00	0.06	0.077	O	|	|	|	0.20
70.000	0.00	0.06	0.077	O	|	|	|	0.20
70.083	0.00	0.06	0.077	O	|	|	|	0.20
70.167	0.00	0.06	0.076	O	|	|	|	0.20
70.250	0.00	0.06	0.076	O	|	|	|	0.20
70.333	0.00	0.06	0.075	O	|	|	|	0.20
70.417	0.00	0.06	0.075	O	|	|	|	0.20
70.500	0.00	0.06	0.075	O	|	|	|	0.20
70.583	0.00	0.06	0.074	O	|	|	|	0.20
70.667	0.00	0.06	0.074	O	|	|	|	0.19
70.750	0.00	0.06	0.074	O	|	|	|	0.19
70.833	0.00	0.06	0.073	O	|	|	|	0.19
70.917	0.00	0.06	0.073	O	|	|	|	0.19
71.000	0.00	0.06	0.072	O	|	|	|	0.19
71.083	0.00	0.05	0.072	O	|	|	|	0.19
71.167	0.00	0.05	0.072	O	|	|	|	0.19
71.250	0.00	0.05	0.071	O	|	|	|	0.19
71.333	0.00	0.05	0.071	O	|	|	|	0.19
71.417	0.00	0.05	0.070	O	|	|	|	0.19
71.500	0.00	0.05	0.070	O	|	|	|	0.18
71.583	0.00	0.05	0.070	O	|	|	|	0.18
71.667	0.00	0.05	0.069	O	|	|	|	0.18
71.750	0.00	0.05	0.069	O	|	|	|	0.18
71.833	0.00	0.05	0.069	O	|	|	|	0.18
71.917	0.00	0.05	0.068	O	|	|	|	0.18
72.000	0.00	0.05	0.068	O	|	|	|	0.18
72.083	0.00	0.05	0.068	O	|	|	|	0.18
72.167	0.00	0.05	0.067	O	|	|	|	0.18
72.250	0.00	0.05	0.067	O	|	|	|	0.18
72.333	0.00	0.05	0.067	O	|	|	|	0.18
72.417	0.00	0.05	0.066	O	|	|	|	0.17
72.500	0.00	0.05	0.066	O	|	|	|	0.17
72.583	0.00	0.05	0.065	O	|	|	|	0.17
72.667	0.00	0.05	0.065	O	|	|	|	0.17
72.750	0.00	0.05	0.065	O	|	|	|	0.17

72.833	0.00	0.05	0.064	O	|	|	|	0.17
72.917	0.00	0.05	0.064	O	|	|	|	0.17
73.000	0.00	0.05	0.064	O	|	|	|	0.17
73.083	0.00	0.05	0.063	O	|	|	|	0.17
73.167	0.00	0.05	0.063	O	|	|	|	0.17
73.250	0.00	0.05	0.063	O	|	|	|	0.17
73.333	0.00	0.05	0.062	O	|	|	|	0.16
73.417	0.00	0.05	0.062	O	|	|	|	0.16
73.500	0.00	0.05	0.062	O	|	|	|	0.16
73.583	0.00	0.05	0.061	O	|	|	|	0.16
73.667	0.00	0.05	0.061	O	|	|	|	0.16
73.750	0.00	0.05	0.061	O	|	|	|	0.16
73.833	0.00	0.05	0.061	O	|	|	|	0.16
73.917	0.00	0.05	0.060	O	|	|	|	0.16
74.000	0.00	0.05	0.060	O	|	|	|	0.16
74.083	0.00	0.05	0.060	O	|	|	|	0.16
74.167	0.00	0.05	0.059	O	|	|	|	0.16
74.250	0.00	0.04	0.059	O	|	|	|	0.16
74.333	0.00	0.04	0.059	O	|	|	|	0.15
74.417	0.00	0.04	0.058	O	|	|	|	0.15
74.500	0.00	0.04	0.058	O	|	|	|	0.15
74.583	0.00	0.04	0.058	O	|	|	|	0.15
74.667	0.00	0.04	0.057	O	|	|	|	0.15
74.750	0.00	0.04	0.057	O	|	|	|	0.15
74.833	0.00	0.04	0.057	O	|	|	|	0.15
74.917	0.00	0.04	0.057	O	|	|	|	0.15
75.000	0.00	0.04	0.056	O	|	|	|	0.15
75.083	0.00	0.04	0.056	O	|	|	|	0.15
75.167	0.00	0.04	0.056	O	|	|	|	0.15
75.250	0.00	0.04	0.055	O	|	|	|	0.15
75.333	0.00	0.04	0.055	O	|	|	|	0.14
75.417	0.00	0.04	0.055	O	|	|	|	0.14
75.500	0.00	0.04	0.054	O	|	|	|	0.14
75.583	0.00	0.04	0.054	O	|	|	|	0.14
75.667	0.00	0.04	0.054	O	|	|	|	0.14
75.750	0.00	0.04	0.054	O	|	|	|	0.14
75.833	0.00	0.04	0.053	O	|	|	|	0.14
75.917	0.00	0.04	0.053	O	|	|	|	0.14
76.000	0.00	0.04	0.053	O	|	|	|	0.14
76.083	0.00	0.04	0.053	O	|	|	|	0.14
76.167	0.00	0.04	0.052	O	|	|	|	0.14
76.250	0.00	0.04	0.052	O	|	|	|	0.14
76.333	0.00	0.04	0.052	O	|	|	|	0.14
76.417	0.00	0.04	0.051	O	|	|	|	0.14
76.500	0.00	0.04	0.051	O	|	|	|	0.13
76.583	0.00	0.04	0.051	O	|	|	|	0.13
76.667	0.00	0.04	0.051	O	|	|	|	0.13
76.750	0.00	0.04	0.050	O	|	|	|	0.13
76.833	0.00	0.04	0.050	O	|	|	|	0.13
76.917	0.00	0.04	0.050	O	|	|	|	0.13
77.000	0.00	0.04	0.050	O	|	|	|	0.13
77.083	0.00	0.04	0.049	O	|	|	|	0.13
77.167	0.00	0.04	0.049	O	|	|	|	0.13
77.250	0.00	0.04	0.049	O	|	|	|	0.13
77.333	0.00	0.04	0.049	O	|	|	|	0.13
77.417	0.00	0.04	0.048	O	|	|	|	0.13
77.500	0.00	0.04	0.048	O	|	|	|	0.13
77.583	0.00	0.04	0.048	O	|	|	|	0.13
77.667	0.00	0.04	0.048	O	|	|	|	0.13
77.750	0.00	0.04	0.047	O	|	|	|	0.12
77.833	0.00	0.04	0.047	O	|	|	|	0.12
77.917	0.00	0.04	0.047	O	|	|	|	0.12
78.000	0.00	0.04	0.047	O	|	|	|	0.12
78.083	0.00	0.04	0.046	O	|	|	|	0.12
78.167	0.00	0.04	0.046	O	|	|	|	0.12
78.250	0.00	0.03	0.046	O	|	|	|	0.12
78.333	0.00	0.03	0.046	O	|	|	|	0.12

78.417	0.00	0.03	0.045	O				0.12
78.500	0.00	0.03	0.045	O				0.12
78.583	0.00	0.03	0.045	O				0.12
78.667	0.00	0.03	0.045	O				0.12
78.750	0.00	0.03	0.044	O				0.12
78.833	0.00	0.03	0.044	O				0.12
78.917	0.00	0.03	0.044	O				0.12
79.000	0.00	0.03	0.044	O				0.11
79.083	0.00	0.03	0.043	O				0.11
79.167	0.00	0.03	0.043	O				0.11
79.250	0.00	0.03	0.043	O				0.11
79.333	0.00	0.03	0.043	O				0.11
79.417	0.00	0.03	0.043	O				0.11
79.500	0.00	0.03	0.042	O				0.11
79.583	0.00	0.03	0.042	O				0.11
79.667	0.00	0.03	0.042	O				0.11
79.750	0.00	0.03	0.042	O				0.11
79.833	0.00	0.03	0.041	O				0.11
79.917	0.00	0.03	0.041	O				0.11
80.000	0.00	0.03	0.041	O				0.11
80.083	0.00	0.03	0.041	O				0.11
80.167	0.00	0.03	0.041	O				0.11
80.250	0.00	0.03	0.040	O				0.11
80.333	0.00	0.03	0.040	O				0.11
80.417	0.00	0.03	0.040	O				0.11
80.500	0.00	0.03	0.040	O				0.10
80.583	0.00	0.03	0.040	O				0.10
80.667	0.00	0.03	0.039	O				0.10
80.750	0.00	0.03	0.039	O				0.10
80.833	0.00	0.03	0.039	O				0.10
80.917	0.00	0.03	0.039	O				0.10
81.000	0.00	0.03	0.039	O				0.10
81.083	0.00	0.03	0.038	O				0.10
81.167	0.00	0.03	0.038	O				0.10
81.250	0.00	0.03	0.038	O				0.10
81.333	0.00	0.03	0.038	O				0.10
81.417	0.00	0.03	0.038	O				0.10
81.500	0.00	0.03	0.037	O				0.10
81.583	0.00	0.03	0.037	O				0.10
81.667	0.00	0.03	0.037	O				0.10
81.750	0.00	0.03	0.037	O				0.10
81.833	0.00	0.03	0.037	O				0.10
81.917	0.00	0.03	0.036	O				0.10
82.000	0.00	0.03	0.036	O				0.10
82.083	0.00	0.03	0.036	O				0.09
82.167	0.00	0.03	0.036	O				0.09
82.250	0.00	0.03	0.036	O				0.09
82.333	0.00	0.03	0.035	O				0.09
82.417	0.00	0.03	0.035	O				0.09
82.500	0.00	0.03	0.035	O				0.09
82.583	0.00	0.03	0.035	O				0.09
82.667	0.00	0.03	0.035	O				0.09
82.750	0.00	0.03	0.034	O				0.09
82.833	0.00	0.03	0.034	O				0.09
82.917	0.00	0.03	0.034	O				0.09
83.000	0.00	0.03	0.034	O				0.09
83.083	0.00	0.03	0.034	O				0.09
83.167	0.00	0.03	0.034	O				0.09
83.250	0.00	0.03	0.033	O				0.09
83.333	0.00	0.03	0.033	O				0.09
83.417	0.00	0.03	0.033	O				0.09
83.500	0.00	0.03	0.033	O				0.09
83.583	0.00	0.02	0.033	O				0.09
83.667	0.00	0.02	0.033	O				0.09
83.750	0.00	0.02	0.032	O				0.09
83.833	0.00	0.02	0.032	O				0.08
83.917	0.00	0.02	0.032	O				0.08

84.000	0.00	0.02	0.032	O	|	|	|	|	0.08
84.083	0.00	0.02	0.032	O	|	|	|	|	0.08
84.167	0.00	0.02	0.032	O	|	|	|	|	0.08
84.250	0.00	0.02	0.031	O	|	|	|	|	0.08
84.333	0.00	0.02	0.031	O	|	|	|	|	0.08
84.417	0.00	0.02	0.031	O	|	|	|	|	0.08
84.500	0.00	0.02	0.031	O	|	|	|	|	0.08
84.583	0.00	0.02	0.031	O	|	|	|	|	0.08
84.667	0.00	0.02	0.031	O	|	|	|	|	0.08
84.750	0.00	0.02	0.030	O	|	|	|	|	0.08
84.833	0.00	0.02	0.030	O	|	|	|	|	0.08
84.917	0.00	0.02	0.030	O	|	|	|	|	0.08
85.000	0.00	0.02	0.030	O	|	|	|	|	0.08
85.083	0.00	0.02	0.030	O	|	|	|	|	0.08
85.167	0.00	0.02	0.030	O	|	|	|	|	0.08
85.250	0.00	0.02	0.029	O	|	|	|	|	0.08
85.333	0.00	0.02	0.029	O	|	|	|	|	0.08
85.417	0.00	0.02	0.029	O	|	|	|	|	0.08
85.500	0.00	0.02	0.029	O	|	|	|	|	0.08
85.583	0.00	0.02	0.029	O	|	|	|	|	0.08
85.667	0.00	0.02	0.029	O	|	|	|	|	0.08
85.750	0.00	0.02	0.029	O	|	|	|	|	0.08
85.833	0.00	0.02	0.028	O	|	|	|	|	0.07
85.917	0.00	0.02	0.028	O	|	|	|	|	0.07
86.000	0.00	0.02	0.028	O	|	|	|	|	0.07
86.083	0.00	0.02	0.028	O	|	|	|	|	0.07
86.167	0.00	0.02	0.028	O	|	|	|	|	0.07
86.250	0.00	0.02	0.028	O	|	|	|	|	0.07
86.333	0.00	0.02	0.028	O	|	|	|	|	0.07
86.417	0.00	0.02	0.027	O	|	|	|	|	0.07
86.500	0.00	0.02	0.027	O	|	|	|	|	0.07
86.583	0.00	0.02	0.027	O	|	|	|	|	0.07
86.667	0.00	0.02	0.027	O	|	|	|	|	0.07
86.750	0.00	0.02	0.027	O	|	|	|	|	0.07
86.833	0.00	0.02	0.027	O	|	|	|	|	0.07
86.917	0.00	0.02	0.027	O	|	|	|	|	0.07
87.000	0.00	0.02	0.026	O	|	|	|	|	0.07
87.083	0.00	0.02	0.026	O	|	|	|	|	0.07
87.167	0.00	0.02	0.026	O	|	|	|	|	0.07
87.250	0.00	0.02	0.026	O	|	|	|	|	0.07
87.333	0.00	0.02	0.026	O	|	|	|	|	0.07
87.417	0.00	0.02	0.026	O	|	|	|	|	0.07
87.500	0.00	0.02	0.026	O	|	|	|	|	0.07
87.583	0.00	0.02	0.025	O	|	|	|	|	0.07
87.667	0.00	0.02	0.025	O	|	|	|	|	0.07
87.750	0.00	0.02	0.025	O	|	|	|	|	0.07
87.833	0.00	0.02	0.025	O	|	|	|	|	0.07
87.917	0.00	0.02	0.025	O	|	|	|	|	0.07
88.000	0.00	0.02	0.025	O	|	|	|	|	0.07
88.083	0.00	0.02	0.025	O	|	|	|	|	0.06
88.167	0.00	0.02	0.025	O	|	|	|	|	0.06
88.250	0.00	0.02	0.024	O	|	|	|	|	0.06
88.333	0.00	0.02	0.024	O	|	|	|	|	0.06
88.417	0.00	0.02	0.024	O	|	|	|	|	0.06
88.500	0.00	0.02	0.024	O	|	|	|	|	0.06
88.583	0.00	0.02	0.024	O	|	|	|	|	0.06
88.667	0.00	0.02	0.024	O	|	|	|	|	0.06
88.750	0.00	0.02	0.024	O	|	|	|	|	0.06
88.833	0.00	0.02	0.023	O	|	|	|	|	0.06
88.917	0.00	0.02	0.023	O	|	|	|	|	0.06
89.000	0.00	0.02	0.023	O	|	|	|	|	0.06
89.083	0.00	0.02	0.023	O	|	|	|	|	0.06
89.167	0.00	0.02	0.023	O	|	|	|	|	0.06
89.250	0.00	0.02	0.023	O	|	|	|	|	0.06
89.333	0.00	0.02	0.023	O	|	|	|	|	0.06
89.417	0.00	0.02	0.023	O	|	|	|	|	0.06
89.500	0.00	0.02	0.023	O	|	|	|	|	0.06

89.583	0.00	0.02	0.022	O	|	|	|	0.06
89.667	0.00	0.02	0.022	O	|	|	|	0.06
89.750	0.00	0.02	0.022	O	|	|	|	0.06
89.833	0.00	0.02	0.022	O	|	|	|	0.06
89.917	0.00	0.02	0.022	O	|	|	|	0.06
90.000	0.00	0.02	0.022	O	|	|	|	0.06
90.083	0.00	0.02	0.022	O	|	|	|	0.06
90.167	0.00	0.02	0.022	O	|	|	|	0.06
90.250	0.00	0.02	0.021	O	|	|	|	0.06
90.333	0.00	0.02	0.021	O	|	|	|	0.06
90.417	0.00	0.02	0.021	O	|	|	|	0.06
90.500	0.00	0.02	0.021	O	|	|	|	0.06
90.583	0.00	0.02	0.021	O	|	|	|	0.06
90.667	0.00	0.02	0.021	O	|	|	|	0.06
90.750	0.00	0.02	0.021	O	|	|	|	0.05
90.833	0.00	0.02	0.021	O	|	|	|	0.05
90.917	0.00	0.02	0.021	O	|	|	|	0.05
91.000	0.00	0.02	0.020	O	|	|	|	0.05
91.083	0.00	0.02	0.020	O	|	|	|	0.05
91.167	0.00	0.02	0.020	O	|	|	|	0.05
91.250	0.00	0.02	0.020	O	|	|	|	0.05
91.333	0.00	0.02	0.020	O	|	|	|	0.05
91.417	0.00	0.02	0.020	O	|	|	|	0.05
91.500	0.00	0.02	0.020	O	|	|	|	0.05
91.583	0.00	0.02	0.020	O	|	|	|	0.05
91.667	0.00	0.01	0.020	O	|	|	|	0.05
91.750	0.00	0.01	0.020	O	|	|	|	0.05
91.833	0.00	0.01	0.019	O	|	|	|	0.05
91.917	0.00	0.01	0.019	O	|	|	|	0.05
92.000	0.00	0.01	0.019	O	|	|	|	0.05
92.083	0.00	0.01	0.019	O	|	|	|	0.05
92.167	0.00	0.01	0.019	O	|	|	|	0.05
92.250	0.00	0.01	0.019	O	|	|	|	0.05
92.333	0.00	0.01	0.019	O	|	|	|	0.05
92.417	0.00	0.01	0.019	O	|	|	|	0.05
92.500	0.00	0.01	0.019	O	|	|	|	0.05
92.583	0.00	0.01	0.019	O	|	|	|	0.05
92.667	0.00	0.01	0.018	O	|	|	|	0.05
92.750	0.00	0.01	0.018	O	|	|	|	0.05
92.833	0.00	0.01	0.018	O	|	|	|	0.05
92.917	0.00	0.01	0.018	O	|	|	|	0.05
93.000	0.00	0.01	0.018	O	|	|	|	0.05
93.083	0.00	0.01	0.018	O	|	|	|	0.05
93.167	0.00	0.01	0.018	O	|	|	|	0.05
93.250	0.00	0.01	0.018	O	|	|	|	0.05
93.333	0.00	0.01	0.018	O	|	|	|	0.05
93.417	0.00	0.01	0.018	O	|	|	|	0.05
93.500	0.00	0.01	0.018	O	|	|	|	0.05
93.583	0.00	0.01	0.017	O	|	|	|	0.05
93.667	0.00	0.01	0.017	O	|	|	|	0.05
93.750	0.00	0.01	0.017	O	|	|	|	0.05
93.833	0.00	0.01	0.017	O	|	|	|	0.05
93.917	0.00	0.01	0.017	O	|	|	|	0.04
94.000	0.00	0.01	0.017	O	|	|	|	0.04
94.083	0.00	0.01	0.017	O	|	|	|	0.04
94.167	0.00	0.01	0.017	O	|	|	|	0.04
94.250	0.00	0.01	0.017	O	|	|	|	0.04
94.333	0.00	0.01	0.017	O	|	|	|	0.04
94.417	0.00	0.01	0.017	O	|	|	|	0.04
94.500	0.00	0.01	0.016	O	|	|	|	0.04
94.583	0.00	0.01	0.016	O	|	|	|	0.04
94.667	0.00	0.01	0.016	O	|	|	|	0.04
94.750	0.00	0.01	0.016	O	|	|	|	0.04
94.833	0.00	0.01	0.016	O	|	|	|	0.04
94.917	0.00	0.01	0.016	O	|	|	|	0.04
95.000	0.00	0.01	0.016	O	|	|	|	0.04
95.083	0.00	0.01	0.016	O	|	|	|	0.04

95.167	0.00	0.01	0.016	O	|	|	|	0.04
95.250	0.00	0.01	0.016	O	|	|	|	0.04
95.333	0.00	0.01	0.016	O	|	|	|	0.04
95.417	0.00	0.01	0.016	O	|	|	|	0.04
95.500	0.00	0.01	0.015	O	|	|	|	0.04
95.583	0.00	0.01	0.015	O	|	|	|	0.04
95.667	0.00	0.01	0.015	O	|	|	|	0.04
95.750	0.00	0.01	0.015	O	|	|	|	0.04
95.833	0.00	0.01	0.015	O	|	|	|	0.04
95.917	0.00	0.01	0.015	O	|	|	|	0.04
96.000	0.00	0.01	0.015	O	|	|	|	0.04
96.083	0.00	0.01	0.015	O	|	|	|	0.04
96.167	0.00	0.01	0.015	O	|	|	|	0.04
96.250	0.00	0.01	0.015	O	|	|	|	0.04
96.333	0.00	0.01	0.015	O	|	|	|	0.04
96.417	0.00	0.01	0.015	O	|	|	|	0.04
96.500	0.00	0.01	0.014	O	|	|	|	0.04
96.583	0.00	0.01	0.014	O	|	|	|	0.04
96.667	0.00	0.01	0.014	O	|	|	|	0.04
96.750	0.00	0.01	0.014	O	|	|	|	0.04
96.833	0.00	0.01	0.014	O	|	|	|	0.04
96.917	0.00	0.01	0.014	O	|	|	|	0.04
97.000	0.00	0.01	0.014	O	|	|	|	0.04
97.083	0.00	0.01	0.014	O	|	|	|	0.04
97.167	0.00	0.01	0.014	O	|	|	|	0.04
97.250	0.00	0.01	0.014	O	|	|	|	0.04
97.333	0.00	0.01	0.014	O	|	|	|	0.04
97.417	0.00	0.01	0.014	O	|	|	|	0.04
97.500	0.00	0.01	0.014	O	|	|	|	0.04
97.583	0.00	0.01	0.014	O	|	|	|	0.04
97.667	0.00	0.01	0.013	O	|	|	|	0.04
97.750	0.00	0.01	0.013	O	|	|	|	0.04
97.833	0.00	0.01	0.013	O	|	|	|	0.04
97.917	0.00	0.01	0.013	O	|	|	|	0.03
98.000	0.00	0.01	0.013	O	|	|	|	0.03
98.083	0.00	0.01	0.013	O	|	|	|	0.03
98.167	0.00	0.01	0.013	O	|	|	|	0.03
98.250	0.00	0.01	0.013	O	|	|	|	0.03
98.333	0.00	0.01	0.013	O	|	|	|	0.03
98.417	0.00	0.01	0.013	O	|	|	|	0.03
98.500	0.00	0.01	0.013	O	|	|	|	0.03
98.583	0.00	0.01	0.013	O	|	|	|	0.03
98.667	0.00	0.01	0.013	O	|	|	|	0.03
98.750	0.00	0.01	0.013	O	|	|	|	0.03
98.833	0.00	0.01	0.013	O	|	|	|	0.03
98.917	0.00	0.01	0.012	O	|	|	|	0.03
99.000	0.00	0.01	0.012	O	|	|	|	0.03
99.083	0.00	0.01	0.012	O	|	|	|	0.03
99.167	0.00	0.01	0.012	O	|	|	|	0.03
99.250	0.00	0.01	0.012	O	|	|	|	0.03
99.333	0.00	0.01	0.012	O	|	|	|	0.03
99.417	0.00	0.01	0.012	O	|	|	|	0.03
99.500	0.00	0.01	0.012	O	|	|	|	0.03
99.583	0.00	0.01	0.012	O	|	|	|	0.03
99.667	0.00	0.01	0.012	O	|	|	|	0.03
99.750	0.00	0.01	0.012	O	|	|	|	0.03
99.833	0.00	0.01	0.012	O	|	|	|	0.03
99.917	0.00	0.01	0.012	O	|	|	|	0.03
100.000	0.00	0.01	0.012	O	|	|	|	0.03
100.083	0.00	0.01	0.012	O	|	|	|	0.03
100.167	0.00	0.01	0.011	O	|	|	|	0.03
100.250	0.00	0.01	0.011	O	|	|	|	0.03
100.333	0.00	0.01	0.011	O	|	|	|	0.03
100.417	0.00	0.01	0.011	O	|	|	|	0.03
100.500	0.00	0.01	0.011	O	|	|	|	0.03
100.583	0.00	0.01	0.011	O	|	|	|	0.03
100.667	0.00	0.01	0.011	O	|	|	|	0.03

100.750	0.00	0.01	0.011	O	|	|	|	0.03
100.833	0.00	0.01	0.011	O	|	|	|	0.03
100.917	0.00	0.01	0.011	O	|	|	|	0.03
101.000	0.00	0.01	0.011	O	|	|	|	0.03
101.083	0.00	0.01	0.011	O	|	|	|	0.03
101.167	0.00	0.01	0.011	O	|	|	|	0.03
101.250	0.00	0.01	0.011	O	|	|	|	0.03
101.333	0.00	0.01	0.011	O	|	|	|	0.03
101.417	0.00	0.01	0.011	O	|	|	|	0.03
101.500	0.00	0.01	0.011	O	|	|	|	0.03
101.583	0.00	0.01	0.011	O	|	|	|	0.03
101.667	0.00	0.01	0.010	O	|	|	|	0.03
101.750	0.00	0.01	0.010	O	|	|	|	0.03
101.833	0.00	0.01	0.010	O	|	|	|	0.03
101.917	0.00	0.01	0.010	O	|	|	|	0.03
102.000	0.00	0.01	0.010	O	|	|	|	0.03
102.083	0.00	0.01	0.010	O	|	|	|	0.03
102.167	0.00	0.01	0.010	O	|	|	|	0.03
102.250	0.00	0.01	0.010	O	|	|	|	0.03
102.333	0.00	0.01	0.010	O	|	|	|	0.03
102.417	0.00	0.01	0.010	O	|	|	|	0.03
102.500	0.00	0.01	0.010	O	|	|	|	0.03
102.583	0.00	0.01	0.010	O	|	|	|	0.03
102.667	0.00	0.01	0.010	O	|	|	|	0.03
102.750	0.00	0.01	0.010	O	|	|	|	0.03
102.833	0.00	0.01	0.010	O	|	|	|	0.03
102.917	0.00	0.01	0.010	O	|	|	|	0.03
103.000	0.00	0.01	0.010	O	|	|	|	0.03
103.083	0.00	0.01	0.010	O	|	|	|	0.03
103.167	0.00	0.01	0.010	O	|	|	|	0.03
103.250	0.00	0.01	0.009	O	|	|	|	0.02
103.333	0.00	0.01	0.009	O	|	|	|	0.02
103.417	0.00	0.01	0.009	O	|	|	|	0.02
103.500	0.00	0.01	0.009	O	|	|	|	0.02
103.583	0.00	0.01	0.009	O	|	|	|	0.02
103.667	0.00	0.01	0.009	O	|	|	|	0.02
103.750	0.00	0.01	0.009	O	|	|	|	0.02
103.833	0.00	0.01	0.009	O	|	|	|	0.02
103.917	0.00	0.01	0.009	O	|	|	|	0.02
104.000	0.00	0.01	0.009	O	|	|	|	0.02
104.083	0.00	0.01	0.009	O	|	|	|	0.02
104.167	0.00	0.01	0.009	O	|	|	|	0.02
104.250	0.00	0.01	0.009	O	|	|	|	0.02
104.333	0.00	0.01	0.009	O	|	|	|	0.02
104.417	0.00	0.01	0.009	O	|	|	|	0.02
104.500	0.00	0.01	0.009	O	|	|	|	0.02
104.583	0.00	0.01	0.009	O	|	|	|	0.02
104.667	0.00	0.01	0.009	O	|	|	|	0.02
104.750	0.00	0.01	0.009	O	|	|	|	0.02
104.833	0.00	0.01	0.009	O	|	|	|	0.02
104.917	0.00	0.01	0.009	O	|	|	|	0.02
105.000	0.00	0.01	0.008	O	|	|	|	0.02
105.083	0.00	0.01	0.008	O	|	|	|	0.02
105.167	0.00	0.01	0.008	O	|	|	|	0.02
105.250	0.00	0.01	0.008	O	|	|	|	0.02
105.333	0.00	0.01	0.008	O	|	|	|	0.02
105.417	0.00	0.01	0.008	O	|	|	|	0.02
105.500	0.00	0.01	0.008	O	|	|	|	0.02
105.583	0.00	0.01	0.008	O	|	|	|	0.02
105.667	0.00	0.01	0.008	O	|	|	|	0.02
105.750	0.00	0.01	0.008	O	|	|	|	0.02
105.833	0.00	0.01	0.008	O	|	|	|	0.02
105.917	0.00	0.01	0.008	O	|	|	|	0.02
106.000	0.00	0.01	0.008	O	|	|	|	0.02
106.083	0.00	0.01	0.008	O	|	|	|	0.02
106.167	0.00	0.01	0.008	O	|	|	|	0.02
106.250	0.00	0.01	0.008	O	|	|	|	0.02

106.333	0.00	0.01	0.008	O	|	|	|	|	0.02
106.417	0.00	0.01	0.008	O	|	|	|	|	0.02
106.500	0.00	0.01	0.008	O	|	|	|	|	0.02
106.583	0.00	0.01	0.008	O	|	|	|	|	0.02
106.667	0.00	0.01	0.008	O	|	|	|	|	0.02
106.750	0.00	0.01	0.008	O	|	|	|	|	0.02
106.833	0.00	0.01	0.008	O	|	|	|	|	0.02
106.917	0.00	0.01	0.008	O	|	|	|	|	0.02
107.000	0.00	0.01	0.007	O	|	|	|	|	0.02
107.083	0.00	0.01	0.007	O	|	|	|	|	0.02
107.167	0.00	0.01	0.007	O	|	|	|	|	0.02
107.250	0.00	0.01	0.007	O	|	|	|	|	0.02
107.333	0.00	0.01	0.007	O	|	|	|	|	0.02
107.417	0.00	0.01	0.007	O	|	|	|	|	0.02
107.500	0.00	0.01	0.007	O	|	|	|	|	0.02
107.583	0.00	0.01	0.007	O	|	|	|	|	0.02
107.667	0.00	0.01	0.007	O	|	|	|	|	0.02
107.750	0.00	0.01	0.007	O	|	|	|	|	0.02
107.833	0.00	0.01	0.007	O	|	|	|	|	0.02
107.917	0.00	0.01	0.007	O	|	|	|	|	0.02
108.000	0.00	0.01	0.007	O	|	|	|	|	0.02
108.083	0.00	0.01	0.007	O	|	|	|	|	0.02
108.167	0.00	0.01	0.007	O	|	|	|	|	0.02
108.250	0.00	0.01	0.007	O	|	|	|	|	0.02
108.333	0.00	0.01	0.007	O	|	|	|	|	0.02
108.417	0.00	0.01	0.007	O	|	|	|	|	0.02
108.500	0.00	0.01	0.007	O	|	|	|	|	0.02
108.583	0.00	0.01	0.007	O	|	|	|	|	0.02
108.667	0.00	0.01	0.007	O	|	|	|	|	0.02
108.750	0.00	0.01	0.007	O	|	|	|	|	0.02
108.833	0.00	0.01	0.007	O	|	|	|	|	0.02
108.917	0.00	0.01	0.007	O	|	|	|	|	0.02
109.000	0.00	0.01	0.007	O	|	|	|	|	0.02
109.083	0.00	0.00	0.007	O	|	|	|	|	0.02
109.167	0.00	0.00	0.007	O	|	|	|	|	0.02
109.250	0.00	0.00	0.006	O	|	|	|	|	0.02
109.333	0.00	0.00	0.006	O	|	|	|	|	0.02
109.417	0.00	0.00	0.006	O	|	|	|	|	0.02
109.500	0.00	0.00	0.006	O	|	|	|	|	0.02
109.583	0.00	0.00	0.006	O	|	|	|	|	0.02
109.667	0.00	0.00	0.006	O	|	|	|	|	0.02
109.750	0.00	0.00	0.006	O	|	|	|	|	0.02
109.833	0.00	0.00	0.006	O	|	|	|	|	0.02
109.917	0.00	0.00	0.006	O	|	|	|	|	0.02
110.000	0.00	0.00	0.006	O	|	|	|	|	0.02
110.083	0.00	0.00	0.006	O	|	|	|	|	0.02
110.167	0.00	0.00	0.006	O	|	|	|	|	0.02
110.250	0.00	0.00	0.006	O	|	|	|	|	0.02
110.333	0.00	0.00	0.006	O	|	|	|	|	0.02
110.417	0.00	0.00	0.006	O	|	|	|	|	0.02
110.500	0.00	0.00	0.006	O	|	|	|	|	0.02
110.583	0.00	0.00	0.006	O	|	|	|	|	0.02
110.667	0.00	0.00	0.006	O	|	|	|	|	0.02
110.750	0.00	0.00	0.006	O	|	|	|	|	0.02
110.833	0.00	0.00	0.006	O	|	|	|	|	0.02
110.917	0.00	0.00	0.006	O	|	|	|	|	0.02
111.000	0.00	0.00	0.006	O	|	|	|	|	0.02
111.083	0.00	0.00	0.006	O	|	|	|	|	0.02
111.167	0.00	0.00	0.006	O	|	|	|	|	0.02
111.250	0.00	0.00	0.006	O	|	|	|	|	0.02
111.333	0.00	0.00	0.006	O	|	|	|	|	0.01
111.417	0.00	0.00	0.006	O	|	|	|	|	0.01
111.500	0.00	0.00	0.006	O	|	|	|	|	0.01
111.583	0.00	0.00	0.006	O	|	|	|	|	0.01
111.667	0.00	0.00	0.006	O	|	|	|	|	0.01
111.750	0.00	0.00	0.006	O	|	|	|	|	0.01
111.833	0.00	0.00	0.006	O	|	|	|	|	0.01

111.917	0.00	0.00	0.005	O	|	|	|	0.01
112.000	0.00	0.00	0.005	O	|	|	|	0.01
112.083	0.00	0.00	0.005	O	|	|	|	0.01
112.167	0.00	0.00	0.005	O	|	|	|	0.01
112.250	0.00	0.00	0.005	O	|	|	|	0.01
112.333	0.00	0.00	0.005	O	|	|	|	0.01
112.417	0.00	0.00	0.005	O	|	|	|	0.01
112.500	0.00	0.00	0.005	O	|	|	|	0.01
112.583	0.00	0.00	0.005	O	|	|	|	0.01
112.667	0.00	0.00	0.005	O	|	|	|	0.01
112.750	0.00	0.00	0.005	O	|	|	|	0.01
112.833	0.00	0.00	0.005	O	|	|	|	0.01
112.917	0.00	0.00	0.005	O	|	|	|	0.01
113.000	0.00	0.00	0.005	O	|	|	|	0.01
113.083	0.00	0.00	0.005	O	|	|	|	0.01
113.167	0.00	0.00	0.005	O	|	|	|	0.01
113.250	0.00	0.00	0.005	O	|	|	|	0.01
113.333	0.00	0.00	0.005	O	|	|	|	0.01
113.417	0.00	0.00	0.005	O	|	|	|	0.01
113.500	0.00	0.00	0.005	O	|	|	|	0.01
113.583	0.00	0.00	0.005	O	|	|	|	0.01
113.667	0.00	0.00	0.005	O	|	|	|	0.01
113.750	0.00	0.00	0.005	O	|	|	|	0.01
113.833	0.00	0.00	0.005	O	|	|	|	0.01
113.917	0.00	0.00	0.005	O	|	|	|	0.01
114.000	0.00	0.00	0.005	O	|	|	|	0.01
114.083	0.00	0.00	0.005	O	|	|	|	0.01
114.167	0.00	0.00	0.005	O	|	|	|	0.01
114.250	0.00	0.00	0.005	O	|	|	|	0.01
114.333	0.00	0.00	0.005	O	|	|	|	0.01
114.417	0.00	0.00	0.005	O	|	|	|	0.01
114.500	0.00	0.00	0.005	O	|	|	|	0.01
114.583	0.00	0.00	0.005	O	|	|	|	0.01
114.667	0.00	0.00	0.005	O	|	|	|	0.01
114.750	0.00	0.00	0.005	O	|	|	|	0.01
114.833	0.00	0.00	0.005	O	|	|	|	0.01
114.917	0.00	0.00	0.005	O	|	|	|	0.01
115.000	0.00	0.00	0.005	O	|	|	|	0.01
115.083	0.00	0.00	0.004	O	|	|	|	0.01
115.167	0.00	0.00	0.004	O	|	|	|	0.01
115.250	0.00	0.00	0.004	O	|	|	|	0.01
115.333	0.00	0.00	0.004	O	|	|	|	0.01
115.417	0.00	0.00	0.004	O	|	|	|	0.01
115.500	0.00	0.00	0.004	O	|	|	|	0.01
115.583	0.00	0.00	0.004	O	|	|	|	0.01
115.667	0.00	0.00	0.004	O	|	|	|	0.01
115.750	0.00	0.00	0.004	O	|	|	|	0.01
115.833	0.00	0.00	0.004	O	|	|	|	0.01
115.917	0.00	0.00	0.004	O	|	|	|	0.01
116.000	0.00	0.00	0.004	O	|	|	|	0.01
116.083	0.00	0.00	0.004	O	|	|	|	0.01
116.167	0.00	0.00	0.004	O	|	|	|	0.01
116.250	0.00	0.00	0.004	O	|	|	|	0.01
116.333	0.00	0.00	0.004	O	|	|	|	0.01
116.417	0.00	0.00	0.004	O	|	|	|	0.01
116.500	0.00	0.00	0.004	O	|	|	|	0.01
116.583	0.00	0.00	0.004	O	|	|	|	0.01
116.667	0.00	0.00	0.004	O	|	|	|	0.01
116.750	0.00	0.00	0.004	O	|	|	|	0.01
116.833	0.00	0.00	0.004	O	|	|	|	0.01
116.917	0.00	0.00	0.004	O	|	|	|	0.01
117.000	0.00	0.00	0.004	O	|	|	|	0.01
117.083	0.00	0.00	0.004	O	|	|	|	0.01
117.167	0.00	0.00	0.004	O	|	|	|	0.01
117.250	0.00	0.00	0.004	O	|	|	|	0.01
117.333	0.00	0.00	0.004	O	|	|	|	0.01
117.417	0.00	0.00	0.004	O	|	|	|	0.01

117.500	0.00	0.00	0.004	O	|	|	|	| 0.01
117.583	0.00	0.00	0.004	O	|	|	|	| 0.01
117.667	0.00	0.00	0.004	O	|	|	|	| 0.01
117.750	0.00	0.00	0.004	O	|	|	|	| 0.01
117.833	0.00	0.00	0.004	O	|	|	|	| 0.01
117.917	0.00	0.00	0.004	O	|	|	|	| 0.01
118.000	0.00	0.00	0.004	O	|	|	|	| 0.01
118.083	0.00	0.00	0.004	O	|	|	|	| 0.01
118.167	0.00	0.00	0.004	O	|	|	|	| 0.01
118.250	0.00	0.00	0.004	O	|	|	|	| 0.01
118.333	0.00	0.00	0.004	O	|	|	|	| 0.01
118.417	0.00	0.00	0.004	O	|	|	|	| 0.01
118.500	0.00	0.00	0.004	O	|	|	|	| 0.01
118.583	0.00	0.00	0.004	O	|	|	|	| 0.01
118.667	0.00	0.00	0.004	O	|	|	|	| 0.01
118.750	0.00	0.00	0.004	O	|	|	|	| 0.01
118.833	0.00	0.00	0.004	O	|	|	|	| 0.01
118.917	0.00	0.00	0.004	O	|	|	|	| 0.01
119.000	0.00	0.00	0.004	O	|	|	|	| 0.01
119.083	0.00	0.00	0.003	O	|	|	|	| 0.01
119.167	0.00	0.00	0.003	O	|	|	|	| 0.01
119.250	0.00	0.00	0.003	O	|	|	|	| 0.01
119.333	0.00	0.00	0.003	O	|	|	|	| 0.01
119.417	0.00	0.00	0.003	O	|	|	|	| 0.01
119.500	0.00	0.00	0.003	O	|	|	|	| 0.01
119.583	0.00	0.00	0.003	O	|	|	|	| 0.01
119.667	0.00	0.00	0.003	O	|	|	|	| 0.01
119.750	0.00	0.00	0.003	O	|	|	|	| 0.01
119.833	0.00	0.00	0.003	O	|	|	|	| 0.01
119.917	0.00	0.00	0.003	O	|	|	|	| 0.01
120.000	0.00	0.00	0.003	O	|	|	|	| 0.01
120.083	0.00	0.00	0.003	O	|	|	|	| 0.01
120.167	0.00	0.00	0.003	O	|	|	|	| 0.01
120.250	0.00	0.00	0.003	O	|	|	|	| 0.01
120.333	0.00	0.00	0.003	O	|	|	|	| 0.01
120.417	0.00	0.00	0.003	O	|	|	|	| 0.01
120.500	0.00	0.00	0.003	O	|	|	|	| 0.01
120.583	0.00	0.00	0.003	O	|	|	|	| 0.01
120.667	0.00	0.00	0.003	O	|	|	|	| 0.01
120.750	0.00	0.00	0.003	O	|	|	|	| 0.01
120.833	0.00	0.00	0.003	O	|	|	|	| 0.01
120.917	0.00	0.00	0.003	O	|	|	|	| 0.01
121.000	0.00	0.00	0.003	O	|	|	|	| 0.01
121.083	0.00	0.00	0.003	O	|	|	|	| 0.01
121.167	0.00	0.00	0.003	O	|	|	|	| 0.01
121.250	0.00	0.00	0.003	O	|	|	|	| 0.01
121.333	0.00	0.00	0.003	O	|	|	|	| 0.01
121.417	0.00	0.00	0.003	O	|	|	|	| 0.01
121.500	0.00	0.00	0.003	O	|	|	|	| 0.01
121.583	0.00	0.00	0.003	O	|	|	|	| 0.01
121.667	0.00	0.00	0.003	O	|	|	|	| 0.01
121.750	0.00	0.00	0.003	O	|	|	|	| 0.01
121.833	0.00	0.00	0.003	O	|	|	|	| 0.01
121.917	0.00	0.00	0.003	O	|	|	|	| 0.01
122.000	0.00	0.00	0.003	O	|	|	|	| 0.01
122.083	0.00	0.00	0.003	O	|	|	|	| 0.01
122.167	0.00	0.00	0.003	O	|	|	|	| 0.01
122.250	0.00	0.00	0.003	O	|	|	|	| 0.01
122.333	0.00	0.00	0.003	O	|	|	|	| 0.01
122.417	0.00	0.00	0.003	O	|	|	|	| 0.01
122.500	0.00	0.00	0.003	O	|	|	|	| 0.01
122.583	0.00	0.00	0.003	O	|	|	|	| 0.01
122.667	0.00	0.00	0.003	O	|	|	|	| 0.01
122.750	0.00	0.00	0.003	O	|	|	|	| 0.01
122.833	0.00	0.00	0.003	O	|	|	|	| 0.01
122.917	0.00	0.00	0.003	O	|	|	|	| 0.01
123.000	0.00	0.00	0.003	O	|	|	|	| 0.01

123.083	0.00	0.00	0.003	O	|	|	|	|	0.01
123.167	0.00	0.00	0.003	O	|	|	|	|	0.01
123.250	0.00	0.00	0.003	O	|	|	|	|	0.01
123.333	0.00	0.00	0.003	O	|	|	|	|	0.01
123.417	0.00	0.00	0.003	O	|	|	|	|	0.01
123.500	0.00	0.00	0.003	O	|	|	|	|	0.01
123.583	0.00	0.00	0.003	O	|	|	|	|	0.01
123.667	0.00	0.00	0.003	O	|	|	|	|	0.01
123.750	0.00	0.00	0.003	O	|	|	|	|	0.01
123.833	0.00	0.00	0.003	O	|	|	|	|	0.01
123.917	0.00	0.00	0.003	O	|	|	|	|	0.01
124.000	0.00	0.00	0.003	O	|	|	|	|	0.01
124.083	0.00	0.00	0.003	O	|	|	|	|	0.01
124.167	0.00	0.00	0.003	O	|	|	|	|	0.01
124.250	0.00	0.00	0.003	O	|	|	|	|	0.01
124.333	0.00	0.00	0.003	O	|	|	|	|	0.01
124.417	0.00	0.00	0.002	O	|	|	|	|	0.01
124.500	0.00	0.00	0.002	O	|	|	|	|	0.01
124.583	0.00	0.00	0.002	O	|	|	|	|	0.01
124.667	0.00	0.00	0.002	O	|	|	|	|	0.01
124.750	0.00	0.00	0.002	O	|	|	|	|	0.01
124.833	0.00	0.00	0.002	O	|	|	|	|	0.01
124.917	0.00	0.00	0.002	O	|	|	|	|	0.01
125.000	0.00	0.00	0.002	O	|	|	|	|	0.01
125.083	0.00	0.00	0.002	O	|	|	|	|	0.01
125.167	0.00	0.00	0.002	O	|	|	|	|	0.01
125.250	0.00	0.00	0.002	O	|	|	|	|	0.01
125.333	0.00	0.00	0.002	O	|	|	|	|	0.01
125.417	0.00	0.00	0.002	O	|	|	|	|	0.01
125.500	0.00	0.00	0.002	O	|	|	|	|	0.01
125.583	0.00	0.00	0.002	O	|	|	|	|	0.01
125.667	0.00	0.00	0.002	O	|	|	|	|	0.01
125.750	0.00	0.00	0.002	O	|	|	|	|	0.01
125.833	0.00	0.00	0.002	O	|	|	|	|	0.01
125.917	0.00	0.00	0.002	O	|	|	|	|	0.01
126.000	0.00	0.00	0.002	O	|	|	|	|	0.01
126.083	0.00	0.00	0.002	O	|	|	|	|	0.01
126.167	0.00	0.00	0.002	O	|	|	|	|	0.01
126.250	0.00	0.00	0.002	O	|	|	|	|	0.01
126.333	0.00	0.00	0.002	O	|	|	|	|	0.01
126.417	0.00	0.00	0.002	O	|	|	|	|	0.01
126.500	0.00	0.00	0.002	O	|	|	|	|	0.01
126.583	0.00	0.00	0.002	O	|	|	|	|	0.01
126.667	0.00	0.00	0.002	O	|	|	|	|	0.01
126.750	0.00	0.00	0.002	O	|	|	|	|	0.01
126.833	0.00	0.00	0.002	O	|	|	|	|	0.01
126.917	0.00	0.00	0.002	O	|	|	|	|	0.01
127.000	0.00	0.00	0.002	O	|	|	|	|	0.01
127.083	0.00	0.00	0.002	O	|	|	|	|	0.01
127.167	0.00	0.00	0.002	O	|	|	|	|	0.01
127.250	0.00	0.00	0.002	O	|	|	|	|	0.01
127.333	0.00	0.00	0.002	O	|	|	|	|	0.01
127.417	0.00	0.00	0.002	O	|	|	|	|	0.01
127.500	0.00	0.00	0.002	O	|	|	|	|	0.01
127.583	0.00	0.00	0.002	O	|	|	|	|	0.01
127.667	0.00	0.00	0.002	O	|	|	|	|	0.01
127.750	0.00	0.00	0.002	O	|	|	|	|	0.01
127.833	0.00	0.00	0.002	O	|	|	|	|	0.01
127.917	0.00	0.00	0.002	O	|	|	|	|	0.01
128.000	0.00	0.00	0.002	O	|	|	|	|	0.01
128.083	0.00	0.00	0.002	O	|	|	|	|	0.01
128.167	0.00	0.00	0.002	O	|	|	|	|	0.01
128.250	0.00	0.00	0.002	O	|	|	|	|	0.01
128.333	0.00	0.00	0.002	O	|	|	|	|	0.01
128.417	0.00	0.00	0.002	O	|	|	|	|	0.01
128.500	0.00	0.00	0.002	O	|	|	|	|	0.01
128.583	0.00	0.00	0.002	O	|	|	|	|	0.01

128.667	0.00	0.00	0.002	O	|	|	|	|	0.01
128.750	0.00	0.00	0.002	O	|	|	|	|	0.00
128.833	0.00	0.00	0.002	O	|	|	|	|	0.00
128.917	0.00	0.00	0.002	O	|	|	|	|	0.00
129.000	0.00	0.00	0.002	O	|	|	|	|	0.00
129.083	0.00	0.00	0.002	O	|	|	|	|	0.00
129.167	0.00	0.00	0.002	O	|	|	|	|	0.00
129.250	0.00	0.00	0.002	O	|	|	|	|	0.00
129.333	0.00	0.00	0.002	O	|	|	|	|	0.00
129.417	0.00	0.00	0.002	O	|	|	|	|	0.00
129.500	0.00	0.00	0.002	O	|	|	|	|	0.00
129.583	0.00	0.00	0.002	O	|	|	|	|	0.00
129.667	0.00	0.00	0.002	O	|	|	|	|	0.00
129.750	0.00	0.00	0.002	O	|	|	|	|	0.00
129.833	0.00	0.00	0.002	O	|	|	|	|	0.00
129.917	0.00	0.00	0.002	O	|	|	|	|	0.00
130.000	0.00	0.00	0.002	O	|	|	|	|	0.00
130.083	0.00	0.00	0.002	O	|	|	|	|	0.00
130.167	0.00	0.00	0.002	O	|	|	|	|	0.00
130.250	0.00	0.00	0.002	O	|	|	|	|	0.00
130.333	0.00	0.00	0.002	O	|	|	|	|	0.00
130.417	0.00	0.00	0.002	O	|	|	|	|	0.00
130.500	0.00	0.00	0.002	O	|	|	|	|	0.00
130.583	0.00	0.00	0.002	O	|	|	|	|	0.00
130.667	0.00	0.00	0.002	O	|	|	|	|	0.00
130.750	0.00	0.00	0.002	O	|	|	|	|	0.00
130.833	0.00	0.00	0.002	O	|	|	|	|	0.00
130.917	0.00	0.00	0.002	O	|	|	|	|	0.00
131.000	0.00	0.00	0.002	O	|	|	|	|	0.00
131.083	0.00	0.00	0.002	O	|	|	|	|	0.00
131.167	0.00	0.00	0.002	O	|	|	|	|	0.00
131.250	0.00	0.00	0.002	O	|	|	|	|	0.00
131.333	0.00	0.00	0.002	O	|	|	|	|	0.00
131.417	0.00	0.00	0.002	O	|	|	|	|	0.00
131.500	0.00	0.00	0.002	O	|	|	|	|	0.00
131.583	0.00	0.00	0.002	O	|	|	|	|	0.00
131.667	0.00	0.00	0.002	O	|	|	|	|	0.00
131.750	0.00	0.00	0.002	O	|	|	|	|	0.00
131.833	0.00	0.00	0.002	O	|	|	|	|	0.00
131.917	0.00	0.00	0.002	O	|	|	|	|	0.00
132.000	0.00	0.00	0.002	O	|	|	|	|	0.00
132.083	0.00	0.00	0.002	O	|	|	|	|	0.00
132.167	0.00	0.00	0.002	O	|	|	|	|	0.00
132.250	0.00	0.00	0.002	O	|	|	|	|	0.00
132.333	0.00	0.00	0.002	O	|	|	|	|	0.00
132.417	0.00	0.00	0.002	O	|	|	|	|	0.00
132.500	0.00	0.00	0.001	O	|	|	|	|	0.00
132.583	0.00	0.00	0.001	O	|	|	|	|	0.00
132.667	0.00	0.00	0.001	O	|	|	|	|	0.00
132.750	0.00	0.00	0.001	O	|	|	|	|	0.00
132.833	0.00	0.00	0.001	O	|	|	|	|	0.00
132.917	0.00	0.00	0.001	O	|	|	|	|	0.00
133.000	0.00	0.00	0.001	O	|	|	|	|	0.00
133.083	0.00	0.00	0.001	O	|	|	|	|	0.00
133.167	0.00	0.00	0.001	O	|	|	|	|	0.00
133.250	0.00	0.00	0.001	O	|	|	|	|	0.00
133.333	0.00	0.00	0.001	O	|	|	|	|	0.00
133.417	0.00	0.00	0.001	O	|	|	|	|	0.00
133.500	0.00	0.00	0.001	O	|	|	|	|	0.00
133.583	0.00	0.00	0.001	O	|	|	|	|	0.00
133.667	0.00	0.00	0.001	O	|	|	|	|	0.00
133.750	0.00	0.00	0.001	O	|	|	|	|	0.00
133.833	0.00	0.00	0.001	O	|	|	|	|	0.00
133.917	0.00	0.00	0.001	O	|	|	|	|	0.00
134.000	0.00	0.00	0.001	O	|	|	|	|	0.00
134.083	0.00	0.00	0.001	O	|	|	|	|	0.00
134.167	0.00	0.00	0.001	O	|	|	|	|	0.00

```
134.250    0.00    0.00      0.001  O       |       |       |       |     0.00
134.333    0.00    0.00      0.001  O       |       |       |       |     0.00
134.417    0.00    0.00      0.001  O       |       |       |       |     0.00
134.500    0.00    0.00      0.001  O       |       |       |       |     0.00
134.583    0.00    0.00      0.001  O       |       |       |       |     0.00
134.667    0.00    0.00      0.001  O       |       |       |       |     0.00

 Remaining water in basin =    0.00 (Ac.Ft)


 ****************************HYDROGRAPH DATA****************************
              Number of intervals =  1616
              Time interval =    5.0 (Min.)
              Maximum/Peak flow rate =        0.680 (CFS)
              Total volume =       2.162 (Ac.Ft)
       Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
       Peak (CFS)      0.000     0.000     0.000     0.000     0.000
       Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
 ***********************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/19/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRG610.rte
**********HYDROGRAPH DATA**********
Number of intervals = 75
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 26.026 (CFS)
Total volume = 3.153 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN G- ROUTING
10YR-6HR

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 75
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.380	0.290	0.379	0.381
2.000	0.810	0.440	0.808	0.812
3.000	1.300	0.550	1.298	1.302
4.000	1.840	0.650	1.838	1.842
5.000	2.440	0.730	2.437	2.443
6.000	3.100	0.800	3.097	3.103
7.000	3.820	1.470	3.815	3.825
8.000	4.610	25.330	4.523	4.697
9.000	5.500	124.380	5.072	5.928

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 6.5 13.01 19.52 26.03	Depth (Ft.)
0.083	1.03	0.00	0.004	OI | | | |	0.01
0.167	2.17	0.01	0.014	O I | | | |	0.04

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0.250    2.53    0.02      0.031  O  I    |        |        |        |     0.08
0.333    2.65    0.04      0.048  O  I    |        |        |        |     0.13
0.417    2.66    0.05      0.066  O  I    |        |        |        |     0.17
0.500    2.87    0.06      0.085  O  I    |        |        |        |     0.22
0.583    3.05    0.08      0.105  O  I    |        |        |        |     0.28
0.667    3.09    0.10      0.125  O  I    |        |        |        |     0.33
0.750    3.11    0.11      0.146  O  I    |        |        |        |     0.38
0.833    3.11    0.13      0.166  O  I    |        |        |        |     0.44
0.917    3.11    0.14      0.187  O  I    |        |        |        |     0.49
1.000    3.31    0.16      0.208  O   I   |        |        |        |     0.55
1.083    3.50    0.18      0.230  O   I   |        |        |        |     0.61
1.167    3.53    0.19      0.253  O   I   |        |        |        |     0.67
1.250    3.55    0.21      0.276  O   I   |        |        |        |     0.73
1.333    3.55    0.23      0.299  O   I   |        |        |        |     0.79
1.417    3.55    0.25      0.322  O   I   |        |        |        |     0.85
1.500    3.55    0.26      0.345  O   I   |        |        |        |     0.91
1.583    3.55    0.28      0.367  O   I   |        |        |        |     0.97
1.667    3.55    0.29      0.390  O   I   |        |        |        |     1.02
1.750    3.55    0.30      0.412  O   I   |        |        |        |     1.07
1.833    3.55    0.31      0.434  O   I   |        |        |        |     1.13
1.917    3.55    0.32      0.457  O   I   |        |        |        |     1.18
2.000    3.75    0.32      0.480  O   I   |        |        |        |     1.23
2.083    3.74    0.33      0.503  O   I   |        |        |        |     1.29
2.167    3.79    0.34      0.527  O   I   |        |        |        |     1.34
2.250    3.96    0.35      0.551  O   I   |        |        |        |     1.40
2.333    3.98    0.36      0.576  O   I   |        |        |        |     1.46
2.417    3.99    0.37      0.601  O   I   |        |        |        |     1.51
2.500    3.99    0.38      0.626  O   I   |        |        |        |     1.57
2.583    3.99    0.38      0.651  O   I   |        |        |        |     1.63
2.667    3.99    0.39      0.675  O   I   |        |        |        |     1.69
2.750    4.20    0.40      0.701  O    I  |        |        |        |     1.75
2.833    4.38    0.41      0.728  O    I  |        |        |        |     1.81
2.917    4.42    0.42      0.755  O    I  |        |        |        |     1.87
3.000    4.44    0.43      0.783  O    I  |        |        |        |     1.94
3.083    4.44    0.44      0.810  O    I  |        |        |        |     2.00
3.167    4.64    0.45      0.838  O    I  |        |        |        |     2.06
3.250    4.83    0.45      0.868  O    I  |        |        |        |     2.12
3.333    4.86    0.46      0.898  O    I  |        |        |        |     2.18
3.417    5.08    0.47      0.929  O     I |        |        |        |     2.24
3.500    5.48    0.47      0.962  O     I |        |        |        |     2.31
3.583    5.91    0.48      0.998  O      I|        |        |        |     2.38
3.667    6.14    0.49      1.036  O      I|        |        |        |     2.46
3.750    6.40    0.50      1.076  O      I|        |        |        |     2.54
3.833    6.60    0.51      1.118  O       I        |        |        |     2.63
3.917    6.84    0.52      1.160  O       I        |        |        |     2.71
4.000    7.05    0.53      1.205  O       I        |        |        |     2.81
4.083    7.29    0.54      1.250  O       I        |        |        |     2.90
4.167    7.70    0.55      1.298  O       |I       |        |        |     3.00
4.250    8.12    0.56      1.349  O       |I       |        |        |     3.09
4.333    8.57    0.57      1.402  O       | I      |        |        |     3.19
4.417    9.01    0.58      1.459  O       |  I     |        |        |     3.29
4.500    9.25    0.59      1.518  O       |  I     |        |        |     3.40
4.583    9.51    0.60      1.578  O       |  I     |        |        |     3.52
4.667    9.91    0.61      1.641  O       |   I    |        |        |     3.63
4.750   10.34    0.63      1.706  O       |   I    |        |        |     3.75
4.833   10.58    0.64      1.774  O       |    I   |        |        |     3.88
4.917   10.84    0.65      1.843  O       |    I   |        |        |     4.01
5.000   11.26    0.66      1.915  O       |    I   |        |        |     4.12
5.083   12.86    0.67      1.993  O       |      I |        |        |     4.26
5.167   15.53    0.68      2.087  O       |        |  I     |        |     4.41
5.250   17.85    0.70      2.197  O       |        |    I   |        |     4.59
5.333   19.76    0.71      2.321  O       |        |       I|        |     4.80
5.417   22.12    0.73      2.461  O       |        |        |  I     |     5.03
5.500   26.03    0.75      2.621  O       |        |        |      I |     5.27
5.583   18.92    0.77      2.771  O       |        |      I |        |     5.50
5.667    8.60    0.77      2.860  O       | I      |        |        |     5.64
5.750    4.61    0.78      2.900  O    I  |        |        |        |     5.70
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5.833	2.76	0.78	2.920	O I				5.73
5.917	1.90	0.78	2.931	O I				5.74
6.000	1.24	0.78	2.937	OI				5.75
6.083	**0.56**	**0.78**	**2.937**	**O**				**5.75**
6.167	0.12	0.78	2.934	O				5.75
6.250	0.03	0.78	2.929	O				5.74
6.333	0.00	0.78	2.924	O				5.73
6.417	0.00	0.78	2.919	O				5.73
6.500	0.00	0.78	2.913	O				5.72
6.583	0.00	0.78	2.908	O				5.71
6.667	0.00	0.78	2.903	O				5.70
6.750	0.00	0.78	2.897	O				5.69
6.833	0.00	0.78	2.892	O				5.68
6.917	0.00	0.78	2.887	O				5.68
7.000	0.00	0.78	2.881	O				5.67
7.083	0.00	0.78	2.876	O				5.66
7.167	0.00	0.78	2.871	O				5.65
7.250	0.00	0.78	2.865	O				5.64
7.333	0.00	0.77	2.860	O				5.64
7.417	0.00	0.77	2.855	O				5.63
7.500	0.00	0.77	2.849	O				5.62
7.583	0.00	0.77	2.844	O				5.61
7.667	0.00	0.77	2.839	O				5.60
7.750	0.00	0.77	2.833	O				5.60
7.833	0.00	0.77	2.828	O				5.59
7.917	0.00	0.77	2.823	O				5.58
8.000	0.00	0.77	2.817	O				5.57
8.083	0.00	0.77	2.812	O				5.56
8.167	0.00	0.77	2.807	O				5.56
8.250	0.00	0.77	2.801	O				5.55
8.333	0.00	0.77	2.796	O				5.54
8.417	0.00	0.77	2.791	O				5.53
8.500	0.00	0.77	2.786	O				5.52
8.583	0.00	0.77	2.780	O				5.52
8.667	0.00	0.77	2.775	O				5.51
8.750	0.00	0.76	2.770	O				5.50
8.833	0.00	0.76	2.765	O				5.49
8.917	0.00	0.76	2.759	O				5.48
9.000	0.00	0.76	2.754	O				5.48
9.083	0.00	0.76	2.749	O				5.47
9.167	0.00	0.76	2.743	O				5.46
9.250	0.00	0.76	2.738	O				5.45
9.333	0.00	0.76	2.733	O				5.44
9.417	0.00	0.76	2.728	O				5.44
9.500	0.00	0.76	2.723	O				5.43
9.583	0.00	0.76	2.717	O				5.42
9.667	0.00	0.76	2.712	O				5.41
9.750	0.00	0.76	2.707	O				5.40
9.833	0.00	0.76	2.702	O				5.40
9.917	0.00	0.76	2.696	O				5.39
10.000	0.00	0.76	2.691	O				5.38
10.083	0.00	0.76	2.686	O				5.37
10.167	0.00	0.76	2.681	O				5.36
10.250	0.00	0.75	2.676	O				5.36
10.333	0.00	0.75	2.670	O				5.35
10.417	0.00	0.75	2.665	O				5.34
10.500	0.00	0.75	2.660	O				5.33
10.583	0.00	0.75	2.655	O				5.33
10.667	0.00	0.75	2.650	O				5.32
10.750	0.00	0.75	2.644	O				5.31
10.833	0.00	0.75	2.639	O				5.30
10.917	0.00	0.75	2.634	O				5.29
11.000	0.00	0.75	2.629	O				5.29
11.083	0.00	0.75	2.624	O				5.28
11.167	0.00	0.75	2.619	O				5.27
11.250	0.00	0.75	2.613	O				5.26
11.333	0.00	0.75	2.608	O				5.25

11.417	0.00	0.75	2.603	O					5.25
11.500	0.00	0.75	2.598	O					5.24
11.583	0.00	0.75	2.593	O					5.23
11.667	0.00	0.75	2.588	O					5.22
11.750	0.00	0.75	2.583	O					5.22
11.833	0.00	0.74	2.577	O					5.21
11.917	0.00	0.74	2.572	O					5.20
12.000	0.00	0.74	2.567	O					5.19
12.083	0.00	0.74	2.562	O					5.18
12.167	0.00	0.74	2.557	O					5.18
12.250	0.00	0.74	2.552	O					5.17
12.333	0.00	0.74	2.547	O					5.16
12.417	0.00	0.74	2.542	O					5.15
12.500	0.00	0.74	2.537	O					5.15
12.583	0.00	0.74	2.531	O					5.14
12.667	0.00	0.74	2.526	O					5.13
12.750	0.00	0.74	2.521	O					5.12
12.833	0.00	0.74	2.516	O					5.12
12.917	0.00	0.74	2.511	O					5.11
13.000	0.00	0.74	2.506	O					5.10
13.083	0.00	0.74	2.501	O					5.09
13.167	0.00	0.74	2.496	O					5.08
13.250	0.00	0.74	2.491	O					5.08
13.333	0.00	0.73	2.486	O					5.07
13.417	0.00	0.73	2.481	O					5.06
13.500	0.00	0.73	2.476	O					5.05
13.583	0.00	0.73	2.471	O					5.05
13.667	0.00	0.73	2.466	O					5.04
13.750	0.00	0.73	2.461	O					5.03
13.833	0.00	0.73	2.455	O					5.02
13.917	0.00	0.73	2.450	O					5.02
14.000	0.00	0.73	2.445	O					5.01
14.083	0.00	0.73	2.440	O					5.00
14.167	0.00	0.73	2.435	O					4.99
14.250	0.00	0.73	2.430	O					4.98
14.333	0.00	0.73	2.425	O					4.98
14.417	0.00	0.73	2.420	O					4.97
14.500	0.00	0.73	2.415	O					4.96
14.583	0.00	0.73	2.410	O					4.95
14.667	0.00	0.73	2.405	O					4.94
14.750	0.00	0.72	2.400	O					4.93
14.833	0.00	0.72	2.395	O					4.93
14.917	0.00	0.72	2.390	O					4.92
15.000	0.00	0.72	2.385	O					4.91
15.083	0.00	0.72	2.380	O					4.90
15.167	0.00	0.72	2.375	O					4.89
15.250	0.00	0.72	2.370	O					4.88
15.333	0.00	0.72	2.365	O					4.88
15.417	0.00	0.72	2.361	O					4.87
15.500	0.00	0.72	2.356	O					4.86
15.583	0.00	0.72	2.351	O					4.85
15.667	0.00	0.72	2.346	O					4.84
15.750	0.00	0.72	2.341	O					4.83
15.833	0.00	0.72	2.336	O					4.83
15.917	0.00	0.72	2.331	O					4.82
16.000	0.00	0.71	2.326	O					4.81
16.083	0.00	0.71	2.321	O					4.80
16.167	0.00	0.71	2.316	O					4.79
16.250	0.00	0.71	2.311	O					4.79
16.333	0.00	0.71	2.306	O					4.78
16.417	0.00	0.71	2.301	O					4.77
16.500	0.00	0.71	2.296	O					4.76
16.583	0.00	0.71	2.292	O					4.75
16.667	0.00	0.71	2.287	O					4.74
16.750	0.00	0.71	2.282	O					4.74
16.833	0.00	0.71	2.277	O					4.73
16.917	0.00	0.71	2.272	O					4.72

17.000	0.00	0.71	2.267	O	|	|	|	4.71
17.083	0.00	0.71	2.262	O	|	|	|	4.70
17.167	0.00	0.71	2.257	O	|	|	|	4.70
17.250	0.00	0.71	2.253	O	|	|	|	4.69
17.333	0.00	0.70	2.248	O	|	|	|	4.68
17.417	0.00	0.70	2.243	O	|	|	|	4.67
17.500	0.00	0.70	2.238	O	|	|	|	4.66
17.583	0.00	0.70	2.233	O	|	|	|	4.66
17.667	0.00	0.70	2.228	O	|	|	|	4.65
17.750	0.00	0.70	2.224	O	|	|	|	4.64
17.833	0.00	0.70	2.219	O	|	|	|	4.63
17.917	0.00	0.70	2.214	O	|	|	|	4.62
18.000	0.00	0.70	2.209	O	|	|	|	4.62
18.083	0.00	0.70	2.204	O	|	|	|	4.61
18.167	0.00	0.70	2.199	O	|	|	|	4.60
18.250	0.00	0.70	2.195	O	|	|	|	4.59
18.333	0.00	0.70	2.190	O	|	|	|	4.58
18.417	0.00	0.70	2.185	O	|	|	|	4.58
18.500	0.00	0.70	2.180	O	|	|	|	4.57
18.583	0.00	0.69	2.175	O	|	|	|	4.56
18.667	0.00	0.69	2.171	O	|	|	|	4.55
18.750	0.00	0.69	2.166	O	|	|	|	4.54
18.833	0.00	0.69	2.161	O	|	|	|	4.54
18.917	0.00	0.69	2.156	O	|	|	|	4.53
19.000	0.00	0.69	2.152	O	|	|	|	4.52
19.083	0.00	0.69	2.147	O	|	|	|	4.51
19.167	0.00	0.69	2.142	O	|	|	|	4.50
19.250	0.00	0.69	2.137	O	|	|	|	4.50
19.333	0.00	0.69	2.133	O	|	|	|	4.49
19.417	0.00	0.69	2.128	O	|	|	|	4.48
19.500	0.00	0.69	2.123	O	|	|	|	4.47
19.583	0.00	0.69	2.118	O	|	|	|	4.46
19.667	0.00	0.69	2.114	O	|	|	|	4.46
19.750	0.00	0.69	2.109	O	|	|	|	4.45
19.833	0.00	0.69	2.104	O	|	|	|	4.44
19.917	0.00	0.68	2.099	O	|	|	|	4.43
20.000	0.00	0.68	2.095	O	|	|	|	4.42
20.083	0.00	0.68	2.090	O	|	|	|	4.42
20.167	0.00	0.68	2.085	O	|	|	|	4.41
20.250	0.00	0.68	2.081	O	|	|	|	4.40
20.333	0.00	0.68	2.076	O	|	|	|	4.39
20.417	0.00	0.68	2.071	O	|	|	|	4.39
20.500	0.00	0.68	2.067	O	|	|	|	4.38
20.583	0.00	0.68	2.062	O	|	|	|	4.37
20.667	0.00	0.68	2.057	O	|	|	|	4.36
20.750	0.00	0.68	2.053	O	|	|	|	4.35
20.833	0.00	0.68	2.048	O	|	|	|	4.35
20.917	0.00	0.68	2.043	O	|	|	|	4.34
21.000	0.00	0.68	2.039	O	|	|	|	4.33
21.083	0.00	0.68	2.034	O	|	|	|	4.32
21.167	0.00	0.68	2.029	O	|	|	|	4.32
21.250	0.00	0.67	2.025	O	|	|	|	4.31
21.333	0.00	0.67	2.020	O	|	|	|	4.30
21.417	0.00	0.67	2.015	O	|	|	|	4.29
21.500	0.00	0.67	2.011	O	|	|	|	4.28
21.583	0.00	0.67	2.006	O	|	|	|	4.28
21.667	0.00	0.67	2.001	O	|	|	|	4.27
21.750	0.00	0.67	1.997	O	|	|	|	4.26
21.833	0.00	0.67	1.992	O	|	|	|	4.25
21.917	0.00	0.67	1.988	O	|	|	|	4.25
22.000	0.00	0.67	1.983	O	|	|	|	4.24
22.083	0.00	0.67	1.978	O	|	|	|	4.23
22.167	0.00	0.67	1.974	O	|	|	|	4.22
22.250	0.00	0.67	1.969	O	|	|	|	4.22
22.333	0.00	0.67	1.965	O	|	|	|	4.21
22.417	0.00	0.67	1.960	O	|	|	|	4.20
22.500	0.00	0.67	1.955	O	|	|	|	4.19

22.583	0.00	0.66	1.951	O	|	|	|	4.18
22.667	0.00	0.66	1.946	O	|	|	|	4.18
22.750	0.00	0.66	1.942	O	|	|	|	4.17
22.833	0.00	0.66	1.937	O	|	|	|	4.16
22.917	0.00	0.66	1.933	O	|	|	|	4.15
23.000	0.00	0.66	1.928	O	|	|	|	4.15
23.083	0.00	0.66	1.923	O	|	|	|	4.14
23.167	0.00	0.66	1.919	O	|	|	|	4.13
23.250	0.00	0.66	1.914	O	|	|	|	4.12
23.333	0.00	0.66	1.910	O	|	|	|	4.12
23.417	0.00	0.66	1.905	O	|	|	|	4.11
23.500	0.00	0.66	1.901	O	|	|	|	4.10
23.583	0.00	0.66	1.896	O	|	|	|	4.09
23.667	0.00	0.66	1.892	O	|	|	|	4.09
23.750	0.00	0.66	1.887	O	|	|	|	4.08
23.833	0.00	0.66	1.883	O	|	|	|	4.07
23.917	0.00	0.66	1.878	O	|	|	|	4.06
24.000	0.00	0.65	1.874	O	|	|	|	4.06
24.083	0.00	0.65	1.869	O	|	|	|	4.05
24.167	0.00	0.65	1.865	O	|	|	|	4.04
24.250	0.00	0.65	1.860	O	|	|	|	4.03
24.333	0.00	0.65	1.856	O	|	|	|	4.03
24.417	0.00	0.65	1.851	O	|	|	|	4.02
24.500	0.00	0.65	1.847	O	|	|	|	4.01
24.583	0.00	0.65	1.842	O	|	|	|	4.00
24.667	0.00	0.65	1.838	O	|	|	|	4.00
24.750	0.00	0.65	1.833	O	|	|	|	3.99
24.833	0.00	0.65	1.829	O	|	|	|	3.98
24.917	0.00	0.65	1.824	O	|	|	|	3.97
25.000	0.00	0.65	1.820	O	|	|	|	3.96
25.083	0.00	0.65	1.815	O	|	|	|	3.95
25.167	0.00	0.64	1.811	O	|	|	|	3.95
25.250	0.00	0.64	1.806	O	|	|	|	3.94
25.333	0.00	0.64	1.802	O	|	|	|	3.93
25.417	0.00	0.64	1.798	O	|	|	|	3.92
25.500	0.00	0.64	1.793	O	|	|	|	3.91
25.583	0.00	0.64	1.789	O	|	|	|	3.91
25.667	0.00	0.64	1.784	O	|	|	|	3.90
25.750	0.00	0.64	1.780	O	|	|	|	3.89
25.833	0.00	0.64	1.776	O	|	|	|	3.88
25.917	0.00	0.64	1.771	O	|	|	|	3.87
26.000	0.00	0.64	1.767	O	|	|	|	3.86
26.083	0.00	0.64	1.762	O	|	|	|	3.86
26.167	0.00	0.63	1.758	O	|	|	|	3.85
26.250	0.00	0.63	1.754	O	|	|	|	3.84
26.333	0.00	0.63	1.749	O	|	|	|	3.83
26.417	0.00	0.63	1.745	O	|	|	|	3.82
26.500	0.00	0.63	1.741	O	|	|	|	3.82
26.583	0.00	0.63	1.736	O	|	|	|	3.81
26.667	0.00	0.63	1.732	O	|	|	|	3.80
26.750	0.00	0.63	1.728	O	|	|	|	3.79
26.833	0.00	0.63	1.723	O	|	|	|	3.78
26.917	0.00	0.63	1.719	O	|	|	|	3.78
27.000	0.00	0.63	1.715	O	|	|	|	3.77
27.083	0.00	0.63	1.710	O	|	|	|	3.76
27.167	0.00	0.63	1.706	O	|	|	|	3.75
27.250	0.00	0.62	1.702	O	|	|	|	3.74
27.333	0.00	0.62	1.697	O	|	|	|	3.74
27.417	0.00	0.62	1.693	O	|	|	|	3.73
27.500	0.00	0.62	1.689	O	|	|	|	3.72
27.583	0.00	0.62	1.685	O	|	|	|	3.71
27.667	0.00	0.62	1.680	O	|	|	|	3.70
27.750	0.00	0.62	1.676	O	|	|	|	3.70
27.833	0.00	0.62	1.672	O	|	|	|	3.69
27.917	0.00	0.62	1.667	O	|	|	|	3.68
28.000	0.00	0.62	1.663	O	|	|	|	3.67
28.083	0.00	0.62	1.659	O	|	|	|	3.66

28.167	0.00	0.62	1.655	O	|	|	|	|	3.66
28.250	0.00	0.61	1.650	O	|	|	|	|	3.65
28.333	0.00	0.61	1.646	O	|	|	|	|	3.64
28.417	0.00	0.61	1.642	O	|	|	|	|	3.63
28.500	0.00	0.61	1.638	O	|	|	|	|	3.63
28.583	0.00	0.61	1.634	O	|	|	|	|	3.62
28.667	0.00	0.61	1.629	O	|	|	|	|	3.61
28.750	0.00	0.61	1.625	O	|	|	|	|	3.60
28.833	0.00	0.61	1.621	O	|	|	|	|	3.59
28.917	0.00	0.61	1.617	O	|	|	|	|	3.59
29.000	0.00	0.61	1.613	O	|	|	|	|	3.58
29.083	0.00	0.61	1.608	O	|	|	|	|	3.57
29.167	0.00	0.61	1.604	O	|	|	|	|	3.56
29.250	0.00	0.61	1.600	O	|	|	|	|	3.56
29.333	0.00	0.60	1.596	O	|	|	|	|	3.55
29.417	0.00	0.60	1.592	O	|	|	|	|	3.54
29.500	0.00	0.60	1.588	O	|	|	|	|	3.53
29.583	0.00	0.60	1.583	O	|	|	|	|	3.52
29.667	0.00	0.60	1.579	O	|	|	|	|	3.52
29.750	0.00	0.60	1.575	O	|	|	|	|	3.51
29.833	0.00	0.60	1.571	O	|	|	|	|	3.50
29.917	0.00	0.60	1.567	O	|	|	|	|	3.49
30.000	0.00	0.60	1.563	O	|	|	|	|	3.49
30.083	0.00	0.60	1.559	O	|	|	|	|	3.48
30.167	0.00	0.60	1.554	O	|	|	|	|	3.47
30.250	0.00	0.60	1.550	O	|	|	|	|	3.46
30.333	0.00	0.60	1.546	O	|	|	|	|	3.46
30.417	0.00	0.59	1.542	O	|	|	|	|	3.45
30.500	0.00	0.59	1.538	O	|	|	|	|	3.44
30.583	0.00	0.59	1.534	O	|	|	|	|	3.43
30.667	0.00	0.59	1.530	O	|	|	|	|	3.43
30.750	0.00	0.59	1.526	O	|	|	|	|	3.42
30.833	0.00	0.59	1.522	O	|	|	|	|	3.41
30.917	0.00	0.59	1.518	O	|	|	|	|	3.40
31.000	0.00	0.59	1.514	O	|	|	|	|	3.40
31.083	0.00	0.59	1.510	O	|	|	|	|	3.39
31.167	0.00	0.59	1.506	O	|	|	|	|	3.38
31.250	0.00	0.59	1.501	O	|	|	|	|	3.37
31.333	0.00	0.59	1.497	O	|	|	|	|	3.37
31.417	0.00	0.59	1.493	O	|	|	|	|	3.36
31.500	0.00	0.59	1.489	O	|	|	|	|	3.35
31.583	0.00	0.58	1.485	O	|	|	|	|	3.34
31.667	0.00	0.58	1.481	O	|	|	|	|	3.34
31.750	0.00	0.58	1.477	O	|	|	|	|	3.33
31.833	0.00	0.58	1.473	O	|	|	|	|	3.32
31.917	0.00	0.58	1.469	O	|	|	|	|	3.31
32.000	0.00	0.58	1.465	O	|	|	|	|	3.31
32.083	0.00	0.58	1.461	O	|	|	|	|	3.30
32.167	0.00	0.58	1.457	O	|	|	|	|	3.29
32.250	0.00	0.58	1.453	O	|	|	|	|	3.28
32.333	0.00	0.58	1.449	O	|	|	|	|	3.28
32.417	0.00	0.58	1.445	O	|	|	|	|	3.27
32.500	0.00	0.58	1.441	O	|	|	|	|	3.26
32.583	0.00	0.58	1.437	O	|	|	|	|	3.25
32.667	0.00	0.57	1.433	O	|	|	|	|	3.25
32.750	0.00	0.57	1.429	O	|	|	|	|	3.24
32.833	0.00	0.57	1.426	O	|	|	|	|	3.23
32.917	0.00	0.57	1.422	O	|	|	|	|	3.23
33.000	0.00	0.57	1.418	O	|	|	|	|	3.22
33.083	0.00	0.57	1.414	O	|	|	|	|	3.21
33.167	0.00	0.57	1.410	O	|	|	|	|	3.20
33.250	0.00	0.57	1.406	O	|	|	|	|	3.20
33.333	0.00	0.57	1.402	O	|	|	|	|	3.19
33.417	0.00	0.57	1.398	O	|	|	|	|	3.18
33.500	0.00	0.57	1.394	O	|	|	|	|	3.17
33.583	0.00	0.57	1.390	O	|	|	|	|	3.17
33.667	0.00	0.57	1.386	O	|	|	|	|	3.16

33.750	0.00	0.57	1.382	O	|	|	|	3.15
33.833	0.00	0.56	1.379	O	|	|	|	3.15
33.917	0.00	0.56	1.375	O	|	|	|	3.14
34.000	0.00	0.56	1.371	O	|	|	|	3.13
34.083	0.00	0.56	1.367	O	|	|	|	3.12
34.167	0.00	0.56	1.363	O	|	|	|	3.12
34.250	0.00	0.56	1.359	O	|	|	|	3.11
34.333	0.00	0.56	1.355	O	|	|	|	3.10
34.417	0.00	0.56	1.351	O	|	|	|	3.10
34.500	0.00	0.56	1.348	O	|	|	|	3.09
34.583	0.00	0.56	1.344	O	|	|	|	3.08
34.667	0.00	0.56	1.340	O	|	|	|	3.07
34.750	0.00	0.56	1.336	O	|	|	|	3.07
34.833	0.00	0.56	1.332	O	|	|	|	3.06
34.917	0.00	0.56	1.328	O	|	|	|	3.05
35.000	0.00	0.55	1.325	O	|	|	|	3.05
35.083	0.00	0.55	1.321	O	|	|	|	3.04
35.167	0.00	0.55	1.317	O	|	|	|	3.03
35.250	0.00	0.55	1.313	O	|	|	|	3.02
35.333	0.00	0.55	1.309	O	|	|	|	3.02
35.417	0.00	0.55	1.306	O	|	|	|	3.01
35.500	0.00	0.55	1.302	O	|	|	|	3.00
35.583	0.00	0.55	1.298	O	|	|	|	3.00
35.667	0.00	0.55	1.294	O	|	|	|	2.99
35.750	0.00	0.55	1.290	O	|	|	|	2.98
35.833	0.00	0.55	1.287	O	|	|	|	2.97
35.917	0.00	0.55	1.283	O	|	|	|	2.97
36.000	0.00	0.55	1.279	O	|	|	|	2.96
36.083	0.00	0.54	1.275	O	|	|	|	2.95
36.167	0.00	0.54	1.272	O	|	|	|	2.94
36.250	0.00	0.54	1.268	O	|	|	|	2.93
36.333	0.00	0.54	1.264	O	|	|	|	2.93
36.417	0.00	0.54	1.260	O	|	|	|	2.92
36.500	0.00	0.54	1.257	O	|	|	|	2.91
36.583	0.00	0.54	1.253	O	|	|	|	2.90
36.667	0.00	0.54	1.249	O	|	|	|	2.90
36.750	0.00	0.54	1.246	O	|	|	|	2.89
36.833	0.00	0.54	1.242	O	|	|	|	2.88
36.917	0.00	0.54	1.238	O	|	|	|	2.87
37.000	0.00	0.54	1.234	O	|	|	|	2.87
37.083	0.00	0.53	1.231	O	|	|	|	2.86
37.167	0.00	0.53	1.227	O	|	|	|	2.85
37.250	0.00	0.53	1.223	O	|	|	|	2.84
37.333	0.00	0.53	1.220	O	|	|	|	2.84
37.417	0.00	0.53	1.216	O	|	|	|	2.83
37.500	0.00	0.53	1.212	O	|	|	|	2.82
37.583	0.00	0.53	1.209	O	|	|	|	2.81
37.667	0.00	0.53	1.205	O	|	|	|	2.81
37.750	0.00	0.53	1.202	O	|	|	|	2.80
37.833	0.00	0.53	1.198	O	|	|	|	2.79
37.917	0.00	0.53	1.194	O	|	|	|	2.78
38.000	0.00	0.53	1.191	O	|	|	|	2.78
38.083	0.00	0.52	1.187	O	|	|	|	2.77
38.167	0.00	0.52	1.183	O	|	|	|	2.76
38.250	0.00	0.52	1.180	O	|	|	|	2.75
38.333	0.00	0.52	1.176	O	|	|	|	2.75
38.417	0.00	0.52	1.173	O	|	|	|	2.74
38.500	0.00	0.52	1.169	O	|	|	|	2.73
38.583	0.00	0.52	1.165	O	|	|	|	2.73
38.667	0.00	0.52	1.162	O	|	|	|	2.72
38.750	0.00	0.52	1.158	O	|	|	|	2.71
38.833	0.00	0.52	1.155	O	|	|	|	2.70
38.917	0.00	0.52	1.151	O	|	|	|	2.70
39.000	0.00	0.52	1.148	O	|	|	|	2.69
39.083	0.00	0.51	1.144	O	|	|	|	2.68
39.167	0.00	0.51	1.141	O	|	|	|	2.67
39.250	0.00	0.51	1.137	O	|	|	|	2.67

39.333	0.00	0.51	1.133	O	|	|	|	2.66
39.417	0.00	0.51	1.130	O	|	|	|	2.65
39.500	0.00	0.51	1.126	O	|	|	|	2.65
39.583	0.00	0.51	1.123	O	|	|	|	2.64
39.667	0.00	0.51	1.119	O	|	|	|	2.63
39.750	0.00	0.51	1.116	O	|	|	|	2.62
39.833	0.00	0.51	1.112	O	|	|	|	2.62
39.917	0.00	0.51	1.109	O	|	|	|	2.61
40.000	0.00	0.51	1.105	O	|	|	|	2.60
40.083	0.00	0.51	1.102	O	|	|	|	2.60
40.167	0.00	0.50	1.098	O	|	|	|	2.59
40.250	0.00	0.50	1.095	O	|	|	|	2.58
40.333	0.00	0.50	1.091	O	|	|	|	2.57
40.417	0.00	0.50	1.088	O	|	|	|	2.57
40.500	0.00	0.50	1.085	O	|	|	|	2.56
40.583	0.00	0.50	1.081	O	|	|	|	2.55
40.667	0.00	0.50	1.078	O	|	|	|	2.55
40.750	0.00	0.50	1.074	O	|	|	|	2.54
40.833	0.00	0.50	1.071	O	|	|	|	2.53
40.917	0.00	0.50	1.067	O	|	|	|	2.53
41.000	0.00	0.50	1.064	O	|	|	|	2.52
41.083	0.00	0.50	1.060	O	|	|	|	2.51
41.167	0.00	0.50	1.057	O	|	|	|	2.50
41.250	0.00	0.49	1.054	O	|	|	|	2.50
41.333	0.00	0.49	1.050	O	|	|	|	2.49
41.417	0.00	0.49	1.047	O	|	|	|	2.48
41.500	0.00	0.49	1.043	O	|	|	|	2.48
41.583	0.00	0.49	1.040	O	|	|	|	2.47
41.667	0.00	0.49	1.037	O	|	|	|	2.46
41.750	0.00	0.49	1.033	O	|	|	|	2.46
41.833	0.00	0.49	1.030	O	|	|	|	2.45
41.917	0.00	0.49	1.027	O	|	|	|	2.44
42.000	0.00	0.49	1.023	O	|	|	|	2.44
42.083	0.00	0.49	1.020	O	|	|	|	2.43
42.167	0.00	0.49	1.016	O	|	|	|	2.42
42.250	0.00	0.49	1.013	O	|	|	|	2.41
42.333	0.00	0.48	1.010	O	|	|	|	2.41
42.417	0.00	0.48	1.006	O	|	|	|	2.40
42.500	0.00	0.48	1.003	O	|	|	|	2.39
42.583	0.00	0.48	1.000	O	|	|	|	2.39
42.667	0.00	0.48	0.996	O	|	|	|	2.38
42.750	0.00	0.48	0.993	O	|	|	|	2.37
42.833	0.00	0.48	0.990	O	|	|	|	2.37
42.917	0.00	0.48	0.987	O	|	|	|	2.36
43.000	0.00	0.48	0.983	O	|	|	|	2.35
43.083	0.00	0.48	0.980	O	|	|	|	2.35
43.167	0.00	0.48	0.977	O	|	|	|	2.34
43.250	0.00	0.48	0.973	O	|	|	|	2.33
43.333	0.00	0.48	0.970	O	|	|	|	2.33
43.417	0.00	0.48	0.967	O	|	|	|	2.32
43.500	0.00	0.47	0.964	O	|	|	|	2.31
43.583	0.00	0.47	0.960	O	|	|	|	2.31
43.667	0.00	0.47	0.957	O	|	|	|	2.30
43.750	0.00	0.47	0.954	O	|	|	|	2.29
43.833	0.00	0.47	0.951	O	|	|	|	2.29
43.917	0.00	0.47	0.947	O	|	|	|	2.28
44.000	0.00	0.47	0.944	O	|	|	|	2.27
44.083	0.00	0.47	0.941	O	|	|	|	2.27
44.167	0.00	0.47	0.938	O	|	|	|	2.26
44.250	0.00	0.47	0.934	O	|	|	|	2.25
44.333	0.00	0.47	0.931	O	|	|	|	2.25
44.417	0.00	0.47	0.928	O	|	|	|	2.24
44.500	0.00	0.47	0.925	O	|	|	|	2.23
44.583	0.00	0.47	0.922	O	|	|	|	2.23
44.667	0.00	0.46	0.918	O	|	|	|	2.22
44.750	0.00	0.46	0.915	O	|	|	|	2.21
44.833	0.00	0.46	0.912	O	|	|	|	2.21

44.917	0.00	0.46	0.909	O	|	|	|	|	2.20
45.000	0.00	0.46	0.906	O	|	|	|	|	2.20
45.083	0.00	0.46	0.902	O	|	|	|	|	2.19
45.167	0.00	0.46	0.899	O	|	|	|	|	2.18
45.250	0.00	0.46	0.896	O	|	|	|	|	2.18
45.333	0.00	0.46	0.893	O	|	|	|	|	2.17
45.417	0.00	0.46	0.890	O	|	|	|	|	2.16
45.500	0.00	0.46	0.887	O	|	|	|	|	2.16
45.583	0.00	0.46	0.883	O	|	|	|	|	2.15
45.667	0.00	0.46	0.880	O	|	|	|	|	2.14
45.750	0.00	0.46	0.877	O	|	|	|	|	2.14
45.833	0.00	0.45	0.874	O	|	|	|	|	2.13
45.917	0.00	0.45	0.871	O	|	|	|	|	2.12
46.000	0.00	0.45	0.868	O	|	|	|	|	2.12
46.083	0.00	0.45	0.865	O	|	|	|	|	2.11
46.167	0.00	0.45	0.862	O	|	|	|	|	2.11
46.250	0.00	0.45	0.858	O	|	|	|	|	2.10
46.333	0.00	0.45	0.855	O	|	|	|	|	2.09
46.417	0.00	0.45	0.852	O	|	|	|	|	2.09
46.500	0.00	0.45	0.849	O	|	|	|	|	2.08
46.583	0.00	0.45	0.846	O	|	|	|	|	2.07
46.667	0.00	0.45	0.843	O	|	|	|	|	2.07
46.750	0.00	0.45	0.840	O	|	|	|	|	2.06
46.833	0.00	0.45	0.837	O	|	|	|	|	2.05
46.917	0.00	0.45	0.834	O	|	|	|	|	2.05
47.000	0.00	0.44	0.831	O	|	|	|	|	2.04
47.083	0.00	0.44	0.828	O	|	|	|	|	2.04
47.167	0.00	0.44	0.825	O	|	|	|	|	2.03
47.250	0.00	0.44	0.822	O	|	|	|	|	2.02
47.333	0.00	0.44	0.818	O	|	|	|	|	2.02
47.417	0.00	0.44	0.815	O	|	|	|	|	2.01
47.500	0.00	0.44	0.812	O	|	|	|	|	2.00
47.583	0.00	0.44	0.809	O	|	|	|	|	2.00
47.667	0.00	0.44	0.806	O	|	|	|	|	1.99
47.750	0.00	0.44	0.803	O	|	|	|	|	1.98
47.833	0.00	0.44	0.800	O	|	|	|	|	1.98
47.917	0.00	0.44	0.797	O	|	|	|	|	1.97
48.000	0.00	0.43	0.794	O	|	|	|	|	1.96
48.083	0.00	0.43	0.791	O	|	|	|	|	1.96
48.167	0.00	0.43	0.788	O	|	|	|	|	1.95
48.250	0.00	0.43	0.785	O	|	|	|	|	1.94
48.333	0.00	0.43	0.782	O	|	|	|	|	1.94
48.417	0.00	0.43	0.779	O	|	|	|	|	1.93
48.500	0.00	0.43	0.776	O	|	|	|	|	1.92
48.583	0.00	0.43	0.774	O	|	|	|	|	1.92
48.667	0.00	0.43	0.771	O	|	|	|	|	1.91
48.750	0.00	0.43	0.768	O	|	|	|	|	1.90
48.833	0.00	0.42	0.765	O	|	|	|	|	1.89
48.917	0.00	0.42	0.762	O	|	|	|	|	1.89
49.000	0.00	0.42	0.759	O	|	|	|	|	1.88
49.083	0.00	0.42	0.756	O	|	|	|	|	1.87
49.167	0.00	0.42	0.753	O	|	|	|	|	1.87
49.250	0.00	0.42	0.750	O	|	|	|	|	1.86
49.333	0.00	0.42	0.747	O	|	|	|	|	1.85
49.417	0.00	0.42	0.744	O	|	|	|	|	1.85
49.500	0.00	0.42	0.742	O	|	|	|	|	1.84
49.583	0.00	0.42	0.739	O	|	|	|	|	1.83
49.667	0.00	0.41	0.736	O	|	|	|	|	1.83
49.750	0.00	0.41	0.733	O	|	|	|	|	1.82
49.833	0.00	0.41	0.730	O	|	|	|	|	1.81
49.917	0.00	0.41	0.727	O	|	|	|	|	1.81
50.000	0.00	0.41	0.725	O	|	|	|	|	1.80
50.083	0.00	0.41	0.722	O	|	|	|	|	1.79
50.167	0.00	0.41	0.719	O	|	|	|	|	1.79
50.250	0.00	0.41	0.716	O	|	|	|	|	1.78
50.333	0.00	0.41	0.713	O	|	|	|	|	1.78
50.417	0.00	0.41	0.710	O	|	|	|	|	1.77

50.500	0.00	0.40	0.708	O	|	|	|	|	1.76
50.583	0.00	0.40	0.705	O	|	|	|	|	1.76
50.667	0.00	0.40	0.702	O	|	|	|	|	1.75
50.750	0.00	0.40	0.699	O	|	|	|	|	1.74
50.833	0.00	0.40	0.697	O	|	|	|	|	1.74
50.917	0.00	0.40	0.694	O	|	|	|	|	1.73
51.000	0.00	0.40	0.691	O	|	|	|	|	1.72
51.083	0.00	0.40	0.688	O	|	|	|	|	1.72
51.167	0.00	0.40	0.686	O	|	|	|	|	1.71
51.250	0.00	0.40	0.683	O	|	|	|	|	1.70
51.333	0.00	0.39	0.680	O	|	|	|	|	1.70
51.417	0.00	0.39	0.677	O	|	|	|	|	1.69
51.500	0.00	0.39	0.675	O	|	|	|	|	1.69
51.583	0.00	0.39	0.672	O	|	|	|	|	1.68
51.667	0.00	0.39	0.669	O	|	|	|	|	1.67
51.750	0.00	0.39	0.667	O	|	|	|	|	1.67
51.833	0.00	0.39	0.664	O	|	|	|	|	1.66
51.917	0.00	0.39	0.661	O	|	|	|	|	1.65
52.000	0.00	0.39	0.659	O	|	|	|	|	1.65
52.083	0.00	0.39	0.656	O	|	|	|	|	1.64
52.167	0.00	0.39	0.653	O	|	|	|	|	1.64
52.250	0.00	0.38	0.651	O	|	|	|	|	1.63
52.333	0.00	0.38	0.648	O	|	|	|	|	1.62
52.417	0.00	0.38	0.645	O	|	|	|	|	1.62
52.500	0.00	0.38	0.643	O	|	|	|	|	1.61
52.583	0.00	0.38	0.640	O	|	|	|	|	1.60
52.667	0.00	0.38	0.638	O	|	|	|	|	1.60
52.750	0.00	0.38	0.635	O	|	|	|	|	1.59
52.833	0.00	0.38	0.632	O	|	|	|	|	1.59
52.917	0.00	0.38	0.630	O	|	|	|	|	1.58
53.000	0.00	0.38	0.627	O	|	|	|	|	1.57
53.083	0.00	0.38	0.625	O	|	|	|	|	1.57
53.167	0.00	0.37	0.622	O	|	|	|	|	1.56
53.250	0.00	0.37	0.619	O	|	|	|	|	1.56
53.333	0.00	0.37	0.617	O	|	|	|	|	1.55
53.417	0.00	0.37	0.614	O	|	|	|	|	1.54
53.500	0.00	0.37	0.612	O	|	|	|	|	1.54
53.583	0.00	0.37	0.609	O	|	|	|	|	1.53
53.667	0.00	0.37	0.607	O	|	|	|	|	1.53
53.750	0.00	0.37	0.604	O	|	|	|	|	1.52
53.833	0.00	0.37	0.601	O	|	|	|	|	1.52
53.917	0.00	0.37	0.599	O	|	|	|	|	1.51
54.000	0.00	0.37	0.596	O	|	|	|	|	1.50
54.083	0.00	0.36	0.594	O	|	|	|	|	1.50
54.167	0.00	0.36	0.591	O	|	|	|	|	1.49
54.250	0.00	0.36	0.589	O	|	|	|	|	1.49
54.333	0.00	0.36	0.586	O	|	|	|	|	1.48
54.417	0.00	0.36	0.584	O	|	|	|	|	1.47
54.500	0.00	0.36	0.581	O	|	|	|	|	1.47
54.583	0.00	0.36	0.579	O	|	|	|	|	1.46
54.667	0.00	0.36	0.576	O	|	|	|	|	1.46
54.750	0.00	0.36	0.574	O	|	|	|	|	1.45
54.833	0.00	0.36	0.572	O	|	|	|	|	1.45
54.917	0.00	0.36	0.569	O	|	|	|	|	1.44
55.000	0.00	0.36	0.567	O	|	|	|	|	1.43
55.083	0.00	0.35	0.564	O	|	|	|	|	1.43
55.167	0.00	0.35	0.562	O	|	|	|	|	1.42
55.250	0.00	0.35	0.559	O	|	|	|	|	1.42
55.333	0.00	0.35	0.557	O	|	|	|	|	1.41
55.417	0.00	0.35	0.555	O	|	|	|	|	1.41
55.500	0.00	0.35	0.552	O	|	|	|	|	1.40
55.583	0.00	0.35	0.550	O	|	|	|	|	1.39
55.667	0.00	0.35	0.547	O	|	|	|	|	1.39
55.750	0.00	0.35	0.545	O	|	|	|	|	1.38
55.833	0.00	0.35	0.543	O	|	|	|	|	1.38
55.917	0.00	0.35	0.540	O	|	|	|	|	1.37
56.000	0.00	0.35	0.538	O	|	|	|	|	1.37

56.083	0.00	0.34	0.535	O	|	|	|	|	1.36
56.167	0.00	0.34	0.533	O	|	|	|	|	1.36
56.250	0.00	0.34	0.531	O	|	|	|	|	1.35
56.333	0.00	0.34	0.528	O	|	|	|	|	1.34
56.417	0.00	0.34	0.526	O	|	|	|	|	1.34
56.500	0.00	0.34	0.524	O	|	|	|	|	1.33
56.583	0.00	0.34	0.521	O	|	|	|	|	1.33
56.667	0.00	0.34	0.519	O	|	|	|	|	1.32
56.750	0.00	0.34	0.517	O	|	|	|	|	1.32
56.833	0.00	0.34	0.514	O	|	|	|	|	1.31
56.917	0.00	0.34	0.512	O	|	|	|	|	1.31
57.000	0.00	0.34	0.510	O	|	|	|	|	1.30
57.083	0.00	0.33	0.507	O	|	|	|	|	1.30
57.167	0.00	0.33	0.505	O	|	|	|	|	1.29
57.250	0.00	0.33	0.503	O	|	|	|	|	1.29
57.333	0.00	0.33	0.500	O	|	|	|	|	1.28
57.417	0.00	0.33	0.498	O	|	|	|	|	1.27
57.500	0.00	0.33	0.496	O	|	|	|	|	1.27
57.583	0.00	0.33	0.494	O	|	|	|	|	1.26
57.667	0.00	0.33	0.491	O	|	|	|	|	1.26
57.750	0.00	0.33	0.489	O	|	|	|	|	1.25
57.833	0.00	0.33	0.487	O	|	|	|	|	1.25
57.917	0.00	0.33	0.485	O	|	|	|	|	1.24
58.000	0.00	0.33	0.482	O	|	|	|	|	1.24
58.083	0.00	0.32	0.480	O	|	|	|	|	1.23
58.167	0.00	0.32	0.478	O	|	|	|	|	1.23
58.250	0.00	0.32	0.476	O	|	|	|	|	1.22
58.333	0.00	0.32	0.473	O	|	|	|	|	1.22
58.417	0.00	0.32	0.471	O	|	|	|	|	1.21
58.500	0.00	0.32	0.469	O	|	|	|	|	1.21
58.583	0.00	0.32	0.467	O	|	|	|	|	1.20
58.667	0.00	0.32	0.465	O	|	|	|	|	1.20
58.750	0.00	0.32	0.462	O	|	|	|	|	1.19
58.833	0.00	0.32	0.460	O	|	|	|	|	1.19
58.917	0.00	0.32	0.458	O	|	|	|	|	1.18
59.000	0.00	0.32	0.456	O	|	|	|	|	1.18
59.083	0.00	0.32	0.454	O	|	|	|	|	1.17
59.167	0.00	0.31	0.451	O	|	|	|	|	1.17
59.250	0.00	0.31	0.449	O	|	|	|	|	1.16
59.333	0.00	0.31	0.447	O	|	|	|	|	1.16
59.417	0.00	0.31	0.445	O	|	|	|	|	1.15
59.500	0.00	0.31	0.443	O	|	|	|	|	1.15
59.583	0.00	0.31	0.441	O	|	|	|	|	1.14
59.667	0.00	0.31	0.439	O	|	|	|	|	1.14
59.750	0.00	0.31	0.436	O	|	|	|	|	1.13
59.833	0.00	0.31	0.434	O	|	|	|	|	1.13
59.917	0.00	0.31	0.432	O	|	|	|	|	1.12
60.000	0.00	0.31	0.430	O	|	|	|	|	1.12
60.083	0.00	0.31	0.428	O	|	|	|	|	1.11
60.167	0.00	0.31	0.426	O	|	|	|	|	1.11
60.250	0.00	0.31	0.424	O	|	|	|	|	1.10
60.333	0.00	0.30	0.422	O	|	|	|	|	1.10
60.417	0.00	0.30	0.419	O	|	|	|	|	1.09
60.500	0.00	0.30	0.417	O	|	|	|	|	1.09
60.583	0.00	0.30	0.415	O	|	|	|	|	1.08
60.667	0.00	0.30	0.413	O	|	|	|	|	1.08
60.750	0.00	0.30	0.411	O	|	|	|	|	1.07
60.833	0.00	0.30	0.409	O	|	|	|	|	1.07
60.917	0.00	0.30	0.407	O	|	|	|	|	1.06
61.000	0.00	0.30	0.405	O	|	|	|	|	1.06
61.083	0.00	0.30	0.403	O	|	|	|	|	1.05
61.167	0.00	0.30	0.401	O	|	|	|	|	1.05
61.250	0.00	0.30	0.399	O	|	|	|	|	1.04
61.333	0.00	0.30	0.397	O	|	|	|	|	1.04
61.417	0.00	0.30	0.395	O	|	|	|	|	1.03
61.500	0.00	0.29	0.393	O	|	|	|	|	1.03
61.583	0.00	0.29	0.391	O	|	|	|	|	1.02

61.667	0.00	0.29	0.389	O	|	|	|	1.02
61.750	0.00	0.29	0.387	O	|	|	|	1.02
61.833	0.00	0.29	0.385	O	|	|	|	1.01
61.917	0.00	0.29	0.383	O	|	|	|	1.01
62.000	0.00	0.29	0.381	O	|	|	|	1.00
62.083	0.00	0.29	0.379	O	|	|	|	1.00
62.167	0.00	0.29	0.377	O	|	|	|	0.99
62.250	0.00	0.29	0.375	O	|	|	|	0.99
62.333	0.00	0.28	0.373	O	|	|	|	0.98
62.417	0.00	0.28	0.371	O	|	|	|	0.98
62.500	0.00	0.28	0.369	O	|	|	|	0.97
62.583	0.00	0.28	0.367	O	|	|	|	0.97
62.667	0.00	0.28	0.365	O	|	|	|	0.96
62.750	0.00	0.28	0.363	O	|	|	|	0.96
62.833	0.00	0.28	0.361	O	|	|	|	0.95
62.917	0.00	0.27	0.359	O	|	|	|	0.95
63.000	0.00	0.27	0.357	O	|	|	|	0.94
63.083	0.00	0.27	0.355	O	|	|	|	0.94
63.167	0.00	0.27	0.354	O	|	|	|	0.93
63.250	0.00	0.27	0.352	O	|	|	|	0.93
63.333	0.00	0.27	0.350	O	|	|	|	0.92
63.417	0.00	0.27	0.348	O	|	|	|	0.92
63.500	0.00	0.26	0.346	O	|	|	|	0.91
63.583	0.00	0.26	0.344	O	|	|	|	0.91
63.667	0.00	0.26	0.343	O	|	|	|	0.90
63.750	0.00	0.26	0.341	O	|	|	|	0.90
63.833	0.00	0.26	0.339	O	|	|	|	0.89
63.917	0.00	0.26	0.337	O	|	|	|	0.89
64.000	0.00	0.26	0.336	O	|	|	|	0.88
64.083	0.00	0.25	0.334	O	|	|	|	0.88
64.167	0.00	0.25	0.332	O	|	|	|	0.87
64.250	0.00	0.25	0.330	O	|	|	|	0.87
64.333	0.00	0.25	0.329	O	|	|	|	0.86
64.417	0.00	0.25	0.327	O	|	|	|	0.86
64.500	0.00	0.25	0.325	O	|	|	|	0.86
64.583	0.00	0.25	0.323	O	|	|	|	0.85
64.667	0.00	0.25	0.322	O	|	|	|	0.85
64.750	0.00	0.24	0.320	O	|	|	|	0.84
64.833	0.00	0.24	0.318	O	|	|	|	0.84
64.917	0.00	0.24	0.317	O	|	|	|	0.83
65.000	0.00	0.24	0.315	O	|	|	|	0.83
65.083	0.00	0.24	0.313	O	|	|	|	0.82
65.167	0.00	0.24	0.312	O	|	|	|	0.82
65.250	0.00	0.24	0.310	O	|	|	|	0.82
65.333	0.00	0.24	0.308	O	|	|	|	0.81
65.417	0.00	0.23	0.307	O	|	|	|	0.81
65.500	0.00	0.23	0.305	O	|	|	|	0.80
65.583	0.00	0.23	0.304	O	|	|	|	0.80
65.667	0.00	0.23	0.302	O	|	|	|	0.79
65.750	0.00	0.23	0.300	O	|	|	|	0.79
65.833	0.00	0.23	0.299	O	|	|	|	0.79
65.917	0.00	0.23	0.297	O	|	|	|	0.78
66.000	0.00	0.23	0.296	O	|	|	|	0.78
66.083	0.00	0.22	0.294	O	|	|	|	0.77
66.167	0.00	0.22	0.293	O	|	|	|	0.77
66.250	0.00	0.22	0.291	O	|	|	|	0.77
66.333	0.00	0.22	0.290	O	|	|	|	0.76
66.417	0.00	0.22	0.288	O	|	|	|	0.76
66.500	0.00	0.22	0.287	O	|	|	|	0.75
66.583	0.00	0.22	0.285	O	|	|	|	0.75
66.667	0.00	0.22	0.284	O	|	|	|	0.75
66.750	0.00	0.22	0.282	O	|	|	|	0.74
66.833	0.00	0.21	0.281	O	|	|	|	0.74
66.917	0.00	0.21	0.279	O	|	|	|	0.73
67.000	0.00	0.21	0.278	O	|	|	|	0.73
67.083	0.00	0.21	0.276	O	|	|	|	0.73
67.167	0.00	0.21	0.275	O	|	|	|	0.72

67.250	0.00	0.21	0.273	O	|	|	|	|	0.72
67.333	0.00	0.21	0.272	O	|	|	|	|	0.72
67.417	0.00	0.21	0.270	O	|	|	|	|	0.71
67.500	0.00	0.21	0.269	O	|	|	|	|	0.71
67.583	0.00	0.20	0.268	O	|	|	|	|	0.70
67.667	0.00	0.20	0.266	O	|	|	|	|	0.70
67.750	0.00	0.20	0.265	O	|	|	|	|	0.70
67.833	0.00	0.20	0.263	O	|	|	|	|	0.69
67.917	0.00	0.20	0.262	O	|	|	|	|	0.69
68.000	0.00	0.20	0.261	O	|	|	|	|	0.69
68.083	0.00	0.20	0.259	O	|	|	|	|	0.68
68.167	0.00	0.20	0.258	O	|	|	|	|	0.68
68.250	0.00	0.20	0.257	O	|	|	|	|	0.68
68.333	0.00	0.19	0.255	O	|	|	|	|	0.67
68.417	0.00	0.19	0.254	O	|	|	|	|	0.67
68.500	0.00	0.19	0.253	O	|	|	|	|	0.66
68.583	0.00	0.19	0.251	O	|	|	|	|	0.66
68.667	0.00	0.19	0.250	O	|	|	|	|	0.66
68.750	0.00	0.19	0.249	O	|	|	|	|	0.65
68.833	0.00	0.19	0.247	O	|	|	|	|	0.65
68.917	0.00	0.19	0.246	O	|	|	|	|	0.65
69.000	0.00	0.19	0.245	O	|	|	|	|	0.64
69.083	0.00	0.19	0.243	O	|	|	|	|	0.64
69.167	0.00	0.18	0.242	O	|	|	|	|	0.64
69.250	0.00	0.18	0.241	O	|	|	|	|	0.63
69.333	0.00	0.18	0.240	O	|	|	|	|	0.63
69.417	0.00	0.18	0.238	O	|	|	|	|	0.63
69.500	0.00	0.18	0.237	O	|	|	|	|	0.62
69.583	0.00	0.18	0.236	O	|	|	|	|	0.62
69.667	0.00	0.18	0.235	O	|	|	|	|	0.62
69.750	0.00	0.18	0.233	O	|	|	|	|	0.61
69.833	0.00	0.18	0.232	O	|	|	|	|	0.61
69.917	0.00	0.18	0.231	O	|	|	|	|	0.61
70.000	0.00	0.18	0.230	O	|	|	|	|	0.60
70.083	0.00	0.17	0.229	O	|	|	|	|	0.60
70.167	0.00	0.17	0.227	O	|	|	|	|	0.60
70.250	0.00	0.17	0.226	O	|	|	|	|	0.60
70.333	0.00	0.17	0.225	O	|	|	|	|	0.59
70.417	0.00	0.17	0.224	O	|	|	|	|	0.59
70.500	0.00	0.17	0.223	O	|	|	|	|	0.59
70.583	0.00	0.17	0.222	O	|	|	|	|	0.58
70.667	0.00	0.17	0.220	O	|	|	|	|	0.58
70.750	0.00	0.17	0.219	O	|	|	|	|	0.58
70.833	0.00	0.17	0.218	O	|	|	|	|	0.57
70.917	0.00	0.17	0.217	O	|	|	|	|	0.57
71.000	0.00	0.16	0.216	O	|	|	|	|	0.57
71.083	0.00	0.16	0.215	O	|	|	|	|	0.56
71.167	0.00	0.16	0.214	O	|	|	|	|	0.56
71.250	0.00	0.16	0.212	O	|	|	|	|	0.56
71.333	0.00	0.16	0.211	O	|	|	|	|	0.56
71.417	0.00	0.16	0.210	O	|	|	|	|	0.55
71.500	0.00	0.16	0.209	O	|	|	|	|	0.55
71.583	0.00	0.16	0.208	O	|	|	|	|	0.55
71.667	0.00	0.16	0.207	O	|	|	|	|	0.54
71.750	0.00	0.16	0.206	O	|	|	|	|	0.54
71.833	0.00	0.16	0.205	O	|	|	|	|	0.54
71.917	0.00	0.16	0.204	O	|	|	|	|	0.54
72.000	0.00	0.15	0.203	O	|	|	|	|	0.53
72.083	0.00	0.15	0.202	O	|	|	|	|	0.53
72.167	0.00	0.15	0.200	O	|	|	|	|	0.53
72.250	0.00	0.15	0.199	O	|	|	|	|	0.52
72.333	0.00	0.15	0.198	O	|	|	|	|	0.52
72.417	0.00	0.15	0.197	O	|	|	|	|	0.52
72.500	0.00	0.15	0.196	O	|	|	|	|	0.52
72.583	0.00	0.15	0.195	O	|	|	|	|	0.51
72.667	0.00	0.15	0.194	O	|	|	|	|	0.51
72.750	0.00	0.15	0.193	O	|	|	|	|	0.51

72.833	0.00	0.15	0.192	O	|	|	|	0.51
72.917	0.00	0.15	0.191	O	|	|	|	0.50
73.000	0.00	0.15	0.190	O	|	|	|	0.50
73.083	0.00	0.14	0.189	O	|	|	|	0.50
73.167	0.00	0.14	0.188	O	|	|	|	0.50
73.250	0.00	0.14	0.187	O	|	|	|	0.49
73.333	0.00	0.14	0.186	O	|	|	|	0.49
73.417	0.00	0.14	0.185	O	|	|	|	0.49
73.500	0.00	0.14	0.184	O	|	|	|	0.48
73.583	0.00	0.14	0.183	O	|	|	|	0.48
73.667	0.00	0.14	0.182	O	|	|	|	0.48
73.750	0.00	0.14	0.181	O	|	|	|	0.48
73.833	0.00	0.14	0.180	O	|	|	|	0.47
73.917	0.00	0.14	0.180	O	|	|	|	0.47
74.000	0.00	0.14	0.179	O	|	|	|	0.47
74.083	0.00	0.14	0.178	O	|	|	|	0.47
74.167	0.00	0.13	0.177	O	|	|	|	0.47
74.250	0.00	0.13	0.176	O	|	|	|	0.46
74.333	0.00	0.13	0.175	O	|	|	|	0.46
74.417	0.00	0.13	0.174	O	|	|	|	0.46
74.500	0.00	0.13	0.173	O	|	|	|	0.46
74.583	0.00	0.13	0.172	O	|	|	|	0.45
74.667	0.00	0.13	0.171	O	|	|	|	0.45
74.750	0.00	0.13	0.170	O	|	|	|	0.45
74.833	0.00	0.13	0.169	O	|	|	|	0.45
74.917	0.00	0.13	0.169	O	|	|	|	0.44
75.000	0.00	0.13	0.168	O	|	|	|	0.44
75.083	0.00	0.13	0.167	O	|	|	|	0.44
75.167	0.00	0.13	0.166	O	|	|	|	0.44
75.250	0.00	0.13	0.165	O	|	|	|	0.43
75.333	0.00	0.13	0.164	O	|	|	|	0.43
75.417	0.00	0.12	0.163	O	|	|	|	0.43
75.500	0.00	0.12	0.162	O	|	|	|	0.43
75.583	0.00	0.12	0.162	O	|	|	|	0.43
75.667	0.00	0.12	0.161	O	|	|	|	0.42
75.750	0.00	0.12	0.160	O	|	|	|	0.42
75.833	0.00	0.12	0.159	O	|	|	|	0.42
75.917	0.00	0.12	0.158	O	|	|	|	0.42
76.000	0.00	0.12	0.157	O	|	|	|	0.41
76.083	0.00	0.12	0.157	O	|	|	|	0.41
76.167	0.00	0.12	0.156	O	|	|	|	0.41
76.250	0.00	0.12	0.155	O	|	|	|	0.41
76.333	0.00	0.12	0.154	O	|	|	|	0.41
76.417	0.00	0.12	0.153	O	|	|	|	0.40
76.500	0.00	0.12	0.153	O	|	|	|	0.40
76.583	0.00	0.12	0.152	O	|	|	|	0.40
76.667	0.00	0.12	0.151	O	|	|	|	0.40
76.750	0.00	0.11	0.150	O	|	|	|	0.40
76.833	0.00	0.11	0.149	O	|	|	|	0.39
76.917	0.00	0.11	0.149	O	|	|	|	0.39
77.000	0.00	0.11	0.148	O	|	|	|	0.39
77.083	0.00	0.11	0.147	O	|	|	|	0.39
77.167	0.00	0.11	0.146	O	|	|	|	0.38
77.250	0.00	0.11	0.145	O	|	|	|	0.38
77.333	0.00	0.11	0.145	O	|	|	|	0.38
77.417	0.00	0.11	0.144	O	|	|	|	0.38
77.500	0.00	0.11	0.143	O	|	|	|	0.38
77.583	0.00	0.11	0.142	O	|	|	|	0.37
77.667	0.00	0.11	0.142	O	|	|	|	0.37
77.750	0.00	0.11	0.141	O	|	|	|	0.37
77.833	0.00	0.11	0.140	O	|	|	|	0.37
77.917	0.00	0.11	0.139	O	|	|	|	0.37
78.000	0.00	0.11	0.139	O	|	|	|	0.37
78.083	0.00	0.11	0.138	O	|	|	|	0.36
78.167	0.00	0.10	0.137	O	|	|	|	0.36
78.250	0.00	0.10	0.137	O	|	|	|	0.36
78.333	0.00	0.10	0.136	O	|	|	|	0.36

78.417	0.00	0.10	0.135	O	|	|	|	|	0.36
78.500	0.00	0.10	0.134	O	|	|	|	|	0.35
78.583	0.00	0.10	0.134	O	|	|	|	|	0.35
78.667	0.00	0.10	0.133	O	|	|	|	|	0.35
78.750	0.00	0.10	0.132	O	|	|	|	|	0.35
78.833	0.00	0.10	0.132	O	|	|	|	|	0.35
78.917	0.00	0.10	0.131	O	|	|	|	|	0.34
79.000	0.00	0.10	0.130	O	|	|	|	|	0.34
79.083	0.00	0.10	0.130	O	|	|	|	|	0.34
79.167	0.00	0.10	0.129	O	|	|	|	|	0.34
79.250	0.00	0.10	0.128	O	|	|	|	|	0.34
79.333	0.00	0.10	0.128	O	|	|	|	|	0.34
79.417	0.00	0.10	0.127	O	|	|	|	|	0.33
79.500	0.00	0.10	0.126	O	|	|	|	|	0.33
79.583	0.00	0.10	0.126	O	|	|	|	|	0.33
79.667	0.00	0.10	0.125	O	|	|	|	|	0.33
79.750	0.00	0.09	0.124	O	|	|	|	|	0.33
79.833	0.00	0.09	0.124	O	|	|	|	|	0.33
79.917	0.00	0.09	0.123	O	|	|	|	|	0.32
80.000	0.00	0.09	0.122	O	|	|	|	|	0.32
80.083	0.00	0.09	0.122	O	|	|	|	|	0.32
80.167	0.00	0.09	0.121	O	|	|	|	|	0.32
80.250	0.00	0.09	0.120	O	|	|	|	|	0.32
80.333	0.00	0.09	0.120	O	|	|	|	|	0.32
80.417	0.00	0.09	0.119	O	|	|	|	|	0.31
80.500	0.00	0.09	0.119	O	|	|	|	|	0.31
80.583	0.00	0.09	0.118	O	|	|	|	|	0.31
80.667	0.00	0.09	0.117	O	|	|	|	|	0.31
80.750	0.00	0.09	0.117	O	|	|	|	|	0.31
80.833	0.00	0.09	0.116	O	|	|	|	|	0.31
80.917	0.00	0.09	0.115	O	|	|	|	|	0.30
81.000	0.00	0.09	0.115	O	|	|	|	|	0.30
81.083	0.00	0.09	0.114	O	|	|	|	|	0.30
81.167	0.00	0.09	0.114	O	|	|	|	|	0.30
81.250	0.00	0.09	0.113	O	|	|	|	|	0.30
81.333	0.00	0.09	0.112	O	|	|	|	|	0.30
81.417	0.00	0.09	0.112	O	|	|	|	|	0.29
81.500	0.00	0.08	0.111	O	|	|	|	|	0.29
81.583	0.00	0.08	0.111	O	|	|	|	|	0.29
81.667	0.00	0.08	0.110	O	|	|	|	|	0.29
81.750	0.00	0.08	0.110	O	|	|	|	|	0.29
81.833	0.00	0.08	0.109	O	|	|	|	|	0.29
81.917	0.00	0.08	0.108	O	|	|	|	|	0.29
82.000	0.00	0.08	0.108	O	|	|	|	|	0.28
82.083	0.00	0.08	0.107	O	|	|	|	|	0.28
82.167	0.00	0.08	0.107	O	|	|	|	|	0.28
82.250	0.00	0.08	0.106	O	|	|	|	|	0.28
82.333	0.00	0.08	0.106	O	|	|	|	|	0.28
82.417	0.00	0.08	0.105	O	|	|	|	|	0.28
82.500	0.00	0.08	0.104	O	|	|	|	|	0.27
82.583	0.00	0.08	0.104	O	|	|	|	|	0.27
82.667	0.00	0.08	0.103	O	|	|	|	|	0.27
82.750	0.00	0.08	0.103	O	|	|	|	|	0.27
82.833	0.00	0.08	0.102	O	|	|	|	|	0.27
82.917	0.00	0.08	0.102	O	|	|	|	|	0.27
83.000	0.00	0.08	0.101	O	|	|	|	|	0.27
83.083	0.00	0.08	0.101	O	|	|	|	|	0.26
83.167	0.00	0.08	0.100	O	|	|	|	|	0.26
83.250	0.00	0.08	0.100	O	|	|	|	|	0.26
83.333	0.00	0.08	0.099	O	|	|	|	|	0.26
83.417	0.00	0.08	0.099	O	|	|	|	|	0.26
83.500	0.00	0.07	0.098	O	|	|	|	|	0.26
83.583	0.00	0.07	0.098	O	|	|	|	|	0.26
83.667	0.00	0.07	0.097	O	|	|	|	|	0.26
83.750	0.00	0.07	0.097	O	|	|	|	|	0.25
83.833	0.00	0.07	0.096	O	|	|	|	|	0.25
83.917	0.00	0.07	0.096	O	|	|	|	|	0.25

84.000	0.00	0.07	0.095	O	|	|	|	0.25
84.083	0.00	0.07	0.095	O	|	|	|	0.25
84.167	0.00	0.07	0.094	O	|	|	|	0.25
84.250	0.00	0.07	0.094	O	|	|	|	0.25
84.333	0.00	0.07	0.093	O	|	|	|	0.24
84.417	0.00	0.07	0.093	O	|	|	|	0.24
84.500	0.00	0.07	0.092	O	|	|	|	0.24
84.583	0.00	0.07	0.092	O	|	|	|	0.24
84.667	0.00	0.07	0.091	O	|	|	|	0.24
84.750	0.00	0.07	0.091	O	|	|	|	0.24
84.833	0.00	0.07	0.090	O	|	|	|	0.24
84.917	0.00	0.07	0.090	O	|	|	|	0.24
85.000	0.00	0.07	0.089	O	|	|	|	0.23
85.083	0.00	0.07	0.089	O	|	|	|	0.23
85.167	0.00	0.07	0.088	O	|	|	|	0.23
85.250	0.00	0.07	0.088	O	|	|	|	0.23
85.333	0.00	0.07	0.087	O	|	|	|	0.23
85.417	0.00	0.07	0.087	O	|	|	|	0.23
85.500	0.00	0.07	0.086	O	|	|	|	0.23
85.583	0.00	0.07	0.086	O	|	|	|	0.23
85.667	0.00	0.07	0.086	O	|	|	|	0.23
85.750	0.00	0.06	0.085	O	|	|	|	0.22
85.833	0.00	0.06	0.085	O	|	|	|	0.22
85.917	0.00	0.06	0.084	O	|	|	|	0.22
86.000	0.00	0.06	0.084	O	|	|	|	0.22
86.083	0.00	0.06	0.083	O	|	|	|	0.22
86.167	0.00	0.06	0.083	O	|	|	|	0.22
86.250	0.00	0.06	0.082	O	|	|	|	0.22
86.333	0.00	0.06	0.082	O	|	|	|	0.22
86.417	0.00	0.06	0.082	O	|	|	|	0.21
86.500	0.00	0.06	0.081	O	|	|	|	0.21
86.583	0.00	0.06	0.081	O	|	|	|	0.21
86.667	0.00	0.06	0.080	O	|	|	|	0.21
86.750	0.00	0.06	0.080	O	|	|	|	0.21
86.833	0.00	0.06	0.079	O	|	|	|	0.21
86.917	0.00	0.06	0.079	O	|	|	|	0.21
87.000	0.00	0.06	0.079	O	|	|	|	0.21
87.083	0.00	0.06	0.078	O	|	|	|	0.21
87.167	0.00	0.06	0.078	O	|	|	|	0.20
87.250	0.00	0.06	0.077	O	|	|	|	0.20
87.333	0.00	0.06	0.077	O	|	|	|	0.20
87.417	0.00	0.06	0.077	O	|	|	|	0.20
87.500	0.00	0.06	0.076	O	|	|	|	0.20
87.583	0.00	0.06	0.076	O	|	|	|	0.20
87.667	0.00	0.06	0.075	O	|	|	|	0.20
87.750	0.00	0.06	0.075	O	|	|	|	0.20
87.833	0.00	0.06	0.075	O	|	|	|	0.20
87.917	0.00	0.06	0.074	O	|	|	|	0.20
88.000	0.00	0.06	0.074	O	|	|	|	0.19
88.083	0.00	0.06	0.073	O	|	|	|	0.19
88.167	0.00	0.06	0.073	O	|	|	|	0.19
88.250	0.00	0.06	0.073	O	|	|	|	0.19
88.333	0.00	0.06	0.072	O	|	|	|	0.19
88.417	0.00	0.05	0.072	O	|	|	|	0.19
88.500	0.00	0.05	0.072	O	|	|	|	0.19
88.583	0.00	0.05	0.071	O	|	|	|	0.19
88.667	0.00	0.05	0.071	O	|	|	|	0.19
88.750	0.00	0.05	0.070	O	|	|	|	0.19
88.833	0.00	0.05	0.070	O	|	|	|	0.18
88.917	0.00	0.05	0.070	O	|	|	|	0.18
89.000	0.00	0.05	0.069	O	|	|	|	0.18
89.083	0.00	0.05	0.069	O	|	|	|	0.18
89.167	0.00	0.05	0.069	O	|	|	|	0.18
89.250	0.00	0.05	0.068	O	|	|	|	0.18
89.333	0.00	0.05	0.068	O	|	|	|	0.18
89.417	0.00	0.05	0.068	O	|	|	|	0.18
89.500	0.00	0.05	0.067	O	|	|	|	0.18

89.583	0.00	0.05	0.067	O	|	|	|	0.18
89.667	0.00	0.05	0.066	O	|	|	|	0.17
89.750	0.00	0.05	0.066	O	|	|	|	0.17
89.833	0.00	0.05	0.066	O	|	|	|	0.17
89.917	0.00	0.05	0.065	O	|	|	|	0.17
90.000	0.00	0.05	0.065	O	|	|	|	0.17
90.083	0.00	0.05	0.065	O	|	|	|	0.17
90.167	0.00	0.05	0.064	O	|	|	|	0.17
90.250	0.00	0.05	0.064	O	|	|	|	0.17
90.333	0.00	0.05	0.064	O	|	|	|	0.17
90.417	0.00	0.05	0.063	O	|	|	|	0.17
90.500	0.00	0.05	0.063	O	|	|	|	0.17
90.583	0.00	0.05	0.063	O	|	|	|	0.17
90.667	0.00	0.05	0.062	O	|	|	|	0.16
90.750	0.00	0.05	0.062	O	|	|	|	0.16
90.833	0.00	0.05	0.062	O	|	|	|	0.16
90.917	0.00	0.05	0.061	O	|	|	|	0.16
91.000	0.00	0.05	0.061	O	|	|	|	0.16
91.083	0.00	0.05	0.061	O	|	|	|	0.16
91.167	0.00	0.05	0.060	O	|	|	|	0.16
91.250	0.00	0.05	0.060	O	|	|	|	0.16
91.333	0.00	0.05	0.060	O	|	|	|	0.16
91.417	0.00	0.05	0.060	O	|	|	|	0.16
91.500	0.00	0.05	0.059	O	|	|	|	0.16
91.583	0.00	0.04	0.059	O	|	|	|	0.16
91.667	0.00	0.04	0.059	O	|	|	|	0.15
91.750	0.00	0.04	0.058	O	|	|	|	0.15
91.833	0.00	0.04	0.058	O	|	|	|	0.15
91.917	0.00	0.04	0.058	O	|	|	|	0.15
92.000	0.00	0.04	0.057	O	|	|	|	0.15
92.083	0.00	0.04	0.057	O	|	|	|	0.15
92.167	0.00	0.04	0.057	O	|	|	|	0.15
92.250	0.00	0.04	0.056	O	|	|	|	0.15
92.333	0.00	0.04	0.056	O	|	|	|	0.15
92.417	0.00	0.04	0.056	O	|	|	|	0.15
92.500	0.00	0.04	0.056	O	|	|	|	0.15
92.583	0.00	0.04	0.055	O	|	|	|	0.15
92.667	0.00	0.04	0.055	O	|	|	|	0.14
92.750	0.00	0.04	0.055	O	|	|	|	0.14
92.833	0.00	0.04	0.054	O	|	|	|	0.14
92.917	0.00	0.04	0.054	O	|	|	|	0.14
93.000	0.00	0.04	0.054	O	|	|	|	0.14
93.083	0.00	0.04	0.054	O	|	|	|	0.14
93.167	0.00	0.04	0.053	O	|	|	|	0.14
93.250	0.00	0.04	0.053	O	|	|	|	0.14
93.333	0.00	0.04	0.053	O	|	|	|	0.14
93.417	0.00	0.04	0.052	O	|	|	|	0.14
93.500	0.00	0.04	0.052	O	|	|	|	0.14
93.583	0.00	0.04	0.052	O	|	|	|	0.14
93.667	0.00	0.04	0.052	O	|	|	|	0.14
93.750	0.00	0.04	0.051	O	|	|	|	0.14
93.833	0.00	0.04	0.051	O	|	|	|	0.13
93.917	0.00	0.04	0.051	O	|	|	|	0.13
94.000	0.00	0.04	0.051	O	|	|	|	0.13
94.083	0.00	0.04	0.050	O	|	|	|	0.13
94.167	0.00	0.04	0.050	O	|	|	|	0.13
94.250	0.00	0.04	0.050	O	|	|	|	0.13
94.333	0.00	0.04	0.050	O	|	|	|	0.13
94.417	0.00	0.04	0.049	O	|	|	|	0.13
94.500	0.00	0.04	0.049	O	|	|	|	0.13
94.583	0.00	0.04	0.049	O	|	|	|	0.13
94.667	0.00	0.04	0.048	O	|	|	|	0.13
94.750	0.00	0.04	0.048	O	|	|	|	0.13
94.833	0.00	0.04	0.048	O	|	|	|	0.13
94.917	0.00	0.04	0.048	O	|	|	|	0.13
95.000	0.00	0.04	0.047	O	|	|	|	0.12
95.083	0.00	0.04	0.047	O	|	|	|	0.12

95.167	0.00	0.04	0.047	O	|	|	|	|	0.12
95.250	0.00	0.04	0.047	O	|	|	|	|	0.12
95.333	0.00	0.04	0.047	O	|	|	|	|	0.12
95.417	0.00	0.04	0.046	O	|	|	|	|	0.12
95.500	0.00	0.04	0.046	O	|	|	|	|	0.12
95.583	0.00	0.03	0.046	O	|	|	|	|	0.12
95.667	0.00	0.03	0.046	O	|	|	|	|	0.12
95.750	0.00	0.03	0.045	O	|	|	|	|	0.12
95.833	0.00	0.03	0.045	O	|	|	|	|	0.12
95.917	0.00	0.03	0.045	O	|	|	|	|	0.12
96.000	0.00	0.03	0.045	O	|	|	|	|	0.12
96.083	0.00	0.03	0.044	O	|	|	|	|	0.12
96.167	0.00	0.03	0.044	O	|	|	|	|	0.12
96.250	0.00	0.03	0.044	O	|	|	|	|	0.12
96.333	0.00	0.03	0.044	O	|	|	|	|	0.11
96.417	0.00	0.03	0.043	O	|	|	|	|	0.11
96.500	0.00	0.03	0.043	O	|	|	|	|	0.11
96.583	0.00	0.03	0.043	O	|	|	|	|	0.11
96.667	0.00	0.03	0.043	O	|	|	|	|	0.11
96.750	0.00	0.03	0.043	O	|	|	|	|	0.11
96.833	0.00	0.03	0.042	O	|	|	|	|	0.11
96.917	0.00	0.03	0.042	O	|	|	|	|	0.11
97.000	0.00	0.03	0.042	O	|	|	|	|	0.11
97.083	0.00	0.03	0.042	O	|	|	|	|	0.11
97.167	0.00	0.03	0.041	O	|	|	|	|	0.11
97.250	0.00	0.03	0.041	O	|	|	|	|	0.11
97.333	0.00	0.03	0.041	O	|	|	|	|	0.11
97.417	0.00	0.03	0.041	O	|	|	|	|	0.11
97.500	0.00	0.03	0.041	O	|	|	|	|	0.11
97.583	0.00	0.03	0.040	O	|	|	|	|	0.11
97.667	0.00	0.03	0.040	O	|	|	|	|	0.11
97.750	0.00	0.03	0.040	O	|	|	|	|	0.11
97.833	0.00	0.03	0.040	O	|	|	|	|	0.10
97.917	0.00	0.03	0.040	O	|	|	|	|	0.10
98.000	0.00	0.03	0.039	O	|	|	|	|	0.10
98.083	0.00	0.03	0.039	O	|	|	|	|	0.10
98.167	0.00	0.03	0.039	O	|	|	|	|	0.10
98.250	0.00	0.03	0.039	O	|	|	|	|	0.10
98.333	0.00	0.03	0.038	O	|	|	|	|	0.10
98.417	0.00	0.03	0.038	O	|	|	|	|	0.10
98.500	0.00	0.03	0.038	O	|	|	|	|	0.10
98.583	0.00	0.03	0.038	O	|	|	|	|	0.10
98.667	0.00	0.03	0.038	O	|	|	|	|	0.10
98.750	0.00	0.03	0.037	O	|	|	|	|	0.10
98.833	0.00	0.03	0.037	O	|	|	|	|	0.10
98.917	0.00	0.03	0.037	O	|	|	|	|	0.10
99.000	0.00	0.03	0.037	O	|	|	|	|	0.10
99.083	0.00	0.03	0.037	O	|	|	|	|	0.10
99.167	0.00	0.03	0.037	O	|	|	|	|	0.10
99.250	0.00	0.03	0.036	O	|	|	|	|	0.10
99.333	0.00	0.03	0.036	O	|	|	|	|	0.10
99.417	0.00	0.03	0.036	O	|	|	|	|	0.09
99.500	0.00	0.03	0.036	O	|	|	|	|	0.09
99.583	0.00	0.03	0.036	O	|	|	|	|	0.09
99.667	0.00	0.03	0.035	O	|	|	|	|	0.09
99.750	0.00	0.03	0.035	O	|	|	|	|	0.09
99.833	0.00	0.03	0.035	O	|	|	|	|	0.09
99.917	0.00	0.03	0.035	O	|	|	|	|	0.09
100.000	0.00	0.03	0.035	O	|	|	|	|	0.09
100.083	0.00	0.03	0.034	O	|	|	|	|	0.09
100.167	0.00	0.03	0.034	O	|	|	|	|	0.09
100.250	0.00	0.03	0.034	O	|	|	|	|	0.09
100.333	0.00	0.03	0.034	O	|	|	|	|	0.09
100.417	0.00	0.03	0.034	O	|	|	|	|	0.09
100.500	0.00	0.03	0.034	O	|	|	|	|	0.09
100.583	0.00	0.03	0.033	O	|	|	|	|	0.09
100.667	0.00	0.03	0.033	O	|	|	|	|	0.09

100.750	0.00	0.03	0.033	O	|	|	|	|	0.09
100.833	0.00	0.03	0.033	O	|	|	|	|	0.09
100.917	0.00	0.02	0.033	O	|	|	|	|	0.09
101.000	0.00	0.02	0.033	O	|	|	|	|	0.09
101.083	0.00	0.02	0.032	O	|	|	|	|	0.09
101.167	0.00	0.02	0.032	O	|	|	|	|	0.08
101.250	0.00	0.02	0.032	O	|	|	|	|	0.08
101.333	0.00	0.02	0.032	O	|	|	|	|	0.08
101.417	0.00	0.02	0.032	O	|	|	|	|	0.08
101.500	0.00	0.02	0.032	O	|	|	|	|	0.08
101.583	0.00	0.02	0.031	O	|	|	|	|	0.08
101.667	0.00	0.02	0.031	O	|	|	|	|	0.08
101.750	0.00	0.02	0.031	O	|	|	|	|	0.08
101.833	0.00	0.02	0.031	O	|	|	|	|	0.08
101.917	0.00	0.02	0.031	O	|	|	|	|	0.08
102.000	0.00	0.02	0.031	O	|	|	|	|	0.08
102.083	0.00	0.02	0.030	O	|	|	|	|	0.08
102.167	0.00	0.02	0.030	O	|	|	|	|	0.08
102.250	0.00	0.02	0.030	O	|	|	|	|	0.08
102.333	0.00	0.02	0.030	O	|	|	|	|	0.08
102.417	0.00	0.02	0.030	O	|	|	|	|	0.08
102.500	0.00	0.02	0.030	O	|	|	|	|	0.08
102.583	0.00	0.02	0.029	O	|	|	|	|	0.08
102.667	0.00	0.02	0.029	O	|	|	|	|	0.08
102.750	0.00	0.02	0.029	O	|	|	|	|	0.08
102.833	0.00	0.02	0.029	O	|	|	|	|	0.08
102.917	0.00	0.02	0.029	O	|	|	|	|	0.08
103.000	0.00	0.02	0.029	O	|	|	|	|	0.08
103.083	0.00	0.02	0.029	O	|	|	|	|	0.08
103.167	0.00	0.02	0.028	O	|	|	|	|	0.07
103.250	0.00	0.02	0.028	O	|	|	|	|	0.07
103.333	0.00	0.02	0.028	O	|	|	|	|	0.07
103.417	0.00	0.02	0.028	O	|	|	|	|	0.07
103.500	0.00	0.02	0.028	O	|	|	|	|	0.07
103.583	0.00	0.02	0.028	O	|	|	|	|	0.07
103.667	0.00	0.02	0.027	O	|	|	|	|	0.07
103.750	0.00	0.02	0.027	O	|	|	|	|	0.07
103.833	0.00	0.02	0.027	O	|	|	|	|	0.07
103.917	0.00	0.02	0.027	O	|	|	|	|	0.07
104.000	0.00	0.02	0.027	O	|	|	|	|	0.07
104.083	0.00	0.02	0.027	O	|	|	|	|	0.07
104.167	0.00	0.02	0.027	O	|	|	|	|	0.07
104.250	0.00	0.02	0.026	O	|	|	|	|	0.07
104.333	0.00	0.02	0.026	O	|	|	|	|	0.07
104.417	0.00	0.02	0.026	O	|	|	|	|	0.07
104.500	0.00	0.02	0.026	O	|	|	|	|	0.07
104.583	0.00	0.02	0.026	O	|	|	|	|	0.07
104.667	0.00	0.02	0.026	O	|	|	|	|	0.07
104.750	0.00	0.02	0.026	O	|	|	|	|	0.07
104.833	0.00	0.02	0.026	O	|	|	|	|	0.07
104.917	0.00	0.02	0.025	O	|	|	|	|	0.07
105.000	0.00	0.02	0.025	O	|	|	|	|	0.07
105.083	0.00	0.02	0.025	O	|	|	|	|	0.07
105.167	0.00	0.02	0.025	O	|	|	|	|	0.07
105.250	0.00	0.02	0.025	O	|	|	|	|	0.07
105.333	0.00	0.02	0.025	O	|	|	|	|	0.07
105.417	0.00	0.02	0.025	O	|	|	|	|	0.06
105.500	0.00	0.02	0.024	O	|	|	|	|	0.06
105.583	0.00	0.02	0.024	O	|	|	|	|	0.06
105.667	0.00	0.02	0.024	O	|	|	|	|	0.06
105.750	0.00	0.02	0.024	O	|	|	|	|	0.06
105.833	0.00	0.02	0.024	O	|	|	|	|	0.06
105.917	0.00	0.02	0.024	O	|	|	|	|	0.06
106.000	0.00	0.02	0.024	O	|	|	|	|	0.06
106.083	0.00	0.02	0.024	O	|	|	|	|	0.06
106.167	0.00	0.02	0.023	O	|	|	|	|	0.06
106.250	0.00	0.02	0.023	O	|	|	|	|	0.06

106.333	0.00	0.02	0.023	O	|	|	|	0.06
106.417	0.00	0.02	0.023	O	|	|	|	0.06
106.500	0.00	0.02	0.023	O	|	|	|	0.06
106.583	0.00	0.02	0.023	O	|	|	|	0.06
106.667	0.00	0.02	0.023	O	|	|	|	0.06
106.750	0.00	0.02	0.023	O	|	|	|	0.06
106.833	0.00	0.02	0.023	O	|	|	|	0.06
106.917	0.00	0.02	0.022	O	|	|	|	0.06
107.000	0.00	0.02	0.022	O	|	|	|	0.06
107.083	0.00	0.02	0.022	O	|	|	|	0.06
107.167	0.00	0.02	0.022	O	|	|	|	0.06
107.250	0.00	0.02	0.022	O	|	|	|	0.06
107.333	0.00	0.02	0.022	O	|	|	|	0.06
107.417	0.00	0.02	0.022	O	|	|	|	0.06
107.500	0.00	0.02	0.022	O	|	|	|	0.06
107.583	0.00	0.02	0.021	O	|	|	|	0.06
107.667	0.00	0.02	0.021	O	|	|	|	0.06
107.750	0.00	0.02	0.021	O	|	|	|	0.06
107.833	0.00	0.02	0.021	O	|	|	|	0.06
107.917	0.00	0.02	0.021	O	|	|	|	0.06
108.000	0.00	0.02	0.021	O	|	|	|	0.06
108.083	0.00	0.02	0.021	O	|	|	|	0.05
108.167	0.00	0.02	0.021	O	|	|	|	0.05
108.250	0.00	0.02	0.021	O	|	|	|	0.05
108.333	0.00	0.02	0.020	O	|	|	|	0.05
108.417	0.00	0.02	0.020	O	|	|	|	0.05
108.500	0.00	0.02	0.020	O	|	|	|	0.05
108.583	0.00	0.02	0.020	O	|	|	|	0.05
108.667	0.00	0.02	0.020	O	|	|	|	0.05
108.750	0.00	0.02	0.020	O	|	|	|	0.05
108.833	0.00	0.02	0.020	O	|	|	|	0.05
108.917	0.00	0.02	0.020	O	|	|	|	0.05
109.000	0.00	0.01	0.020	O	|	|	|	0.05
109.083	0.00	0.01	0.020	O	|	|	|	0.05
109.167	0.00	0.01	0.019	O	|	|	|	0.05
109.250	0.00	0.01	0.019	O	|	|	|	0.05
109.333	0.00	0.01	0.019	O	|	|	|	0.05
109.417	0.00	0.01	0.019	O	|	|	|	0.05
109.500	0.00	0.01	0.019	O	|	|	|	0.05
109.583	0.00	0.01	0.019	O	|	|	|	0.05
109.667	0.00	0.01	0.019	O	|	|	|	0.05
109.750	0.00	0.01	0.019	O	|	|	|	0.05
109.833	0.00	0.01	0.019	O	|	|	|	0.05
109.917	0.00	0.01	0.019	O	|	|	|	0.05
110.000	0.00	0.01	0.018	O	|	|	|	0.05
110.083	0.00	0.01	0.018	O	|	|	|	0.05
110.167	0.00	0.01	0.018	O	|	|	|	0.05
110.250	0.00	0.01	0.018	O	|	|	|	0.05
110.333	0.00	0.01	0.018	O	|	|	|	0.05
110.417	0.00	0.01	0.018	O	|	|	|	0.05
110.500	0.00	0.01	0.018	O	|	|	|	0.05
110.583	0.00	0.01	0.018	O	|	|	|	0.05
110.667	0.00	0.01	0.018	O	|	|	|	0.05
110.750	0.00	0.01	0.018	O	|	|	|	0.05
110.833	0.00	0.01	0.017	O	|	|	|	0.05
110.917	0.00	0.01	0.017	O	|	|	|	0.05
111.000	0.00	0.01	0.017	O	|	|	|	0.05
111.083	0.00	0.01	0.017	O	|	|	|	0.05
111.167	0.00	0.01	0.017	O	|	|	|	0.05
111.250	0.00	0.01	0.017	O	|	|	|	0.04
111.333	0.00	0.01	0.017	O	|	|	|	0.04
111.417	0.00	0.01	0.017	O	|	|	|	0.04
111.500	0.00	0.01	0.017	O	|	|	|	0.04
111.583	0.00	0.01	0.017	O	|	|	|	0.04
111.667	0.00	0.01	0.017	O	|	|	|	0.04
111.750	0.00	0.01	0.017	O	|	|	|	0.04
111.833	0.00	0.01	0.016	O	|	|	|	0.04

111.917	0.00	0.01	0.016	O	|	|	|	0.04
112.000	0.00	0.01	0.016	O	|	|	|	0.04
112.083	0.00	0.01	0.016	O	|	|	|	0.04
112.167	0.00	0.01	0.016	O	|	|	|	0.04
112.250	0.00	0.01	0.016	O	|	|	|	0.04
112.333	0.00	0.01	0.016	O	|	|	|	0.04
112.417	0.00	0.01	0.016	O	|	|	|	0.04
112.500	0.00	0.01	0.016	O	|	|	|	0.04
112.583	0.00	0.01	0.016	O	|	|	|	0.04
112.667	0.00	0.01	0.016	O	|	|	|	0.04
112.750	0.00	0.01	0.016	O	|	|	|	0.04
112.833	0.00	0.01	0.015	O	|	|	|	0.04
112.917	0.00	0.01	0.015	O	|	|	|	0.04
113.000	0.00	0.01	0.015	O	|	|	|	0.04
113.083	0.00	0.01	0.015	O	|	|	|	0.04
113.167	0.00	0.01	0.015	O	|	|	|	0.04
113.250	0.00	0.01	0.015	O	|	|	|	0.04
113.333	0.00	0.01	0.015	O	|	|	|	0.04
113.417	0.00	0.01	0.015	O	|	|	|	0.04
113.500	0.00	0.01	0.015	O	|	|	|	0.04
113.583	0.00	0.01	0.015	O	|	|	|	0.04
113.667	0.00	0.01	0.015	O	|	|	|	0.04
113.750	0.00	0.01	0.015	O	|	|	|	0.04
113.833	0.00	0.01	0.014	O	|	|	|	0.04
113.917	0.00	0.01	0.014	O	|	|	|	0.04
114.000	0.00	0.01	0.014	O	|	|	|	0.04
114.083	0.00	0.01	0.014	O	|	|	|	0.04
114.167	0.00	0.01	0.014	O	|	|	|	0.04
114.250	0.00	0.01	0.014	O	|	|	|	0.04
114.333	0.00	0.01	0.014	O	|	|	|	0.04
114.417	0.00	0.01	0.014	O	|	|	|	0.04
114.500	0.00	0.01	0.014	O	|	|	|	0.04
114.583	0.00	0.01	0.014	O	|	|	|	0.04
114.667	0.00	0.01	0.014	O	|	|	|	0.04
114.750	0.00	0.01	0.014	O	|	|	|	0.04
114.833	0.00	0.01	0.014	O	|	|	|	0.04
114.917	0.00	0.01	0.014	O	|	|	|	0.04
115.000	0.00	0.01	0.013	O	|	|	|	0.04
115.083	0.00	0.01	0.013	O	|	|	|	0.04
115.167	0.00	0.01	0.013	O	|	|	|	0.04
115.250	0.00	0.01	0.013	O	|	|	|	0.03
115.333	0.00	0.01	0.013	O	|	|	|	0.03
115.417	0.00	0.01	0.013	O	|	|	|	0.03
115.500	0.00	0.01	0.013	O	|	|	|	0.03
115.583	0.00	0.01	0.013	O	|	|	|	0.03
115.667	0.00	0.01	0.013	O	|	|	|	0.03
115.750	0.00	0.01	0.013	O	|	|	|	0.03
115.833	0.00	0.01	0.013	O	|	|	|	0.03
115.917	0.00	0.01	0.013	O	|	|	|	0.03
116.000	0.00	0.01	0.013	O	|	|	|	0.03
116.083	0.00	0.01	0.013	O	|	|	|	0.03
116.167	0.00	0.01	0.012	O	|	|	|	0.03
116.250	0.00	0.01	0.012	O	|	|	|	0.03
116.333	0.00	0.01	0.012	O	|	|	|	0.03
116.417	0.00	0.01	0.012	O	|	|	|	0.03
116.500	0.00	0.01	0.012	O	|	|	|	0.03
116.583	0.00	0.01	0.012	O	|	|	|	0.03
116.667	0.00	0.01	0.012	O	|	|	|	0.03
116.750	0.00	0.01	0.012	O	|	|	|	0.03
116.833	0.00	0.01	0.012	O	|	|	|	0.03
116.917	0.00	0.01	0.012	O	|	|	|	0.03
117.000	0.00	0.01	0.012	O	|	|	|	0.03
117.083	0.00	0.01	0.012	O	|	|	|	0.03
117.167	0.00	0.01	0.012	O	|	|	|	0.03
117.250	0.00	0.01	0.012	O	|	|	|	0.03
117.333	0.00	0.01	0.012	O	|	|	|	0.03
117.417	0.00	0.01	0.012	O	|	|	|	0.03

117.500	0.00	0.01	0.011	O	|	|	|	|	0.03
117.583	0.00	0.01	0.011	O	|	|	|	|	0.03
117.667	0.00	0.01	0.011	O	|	|	|	|	0.03
117.750	0.00	0.01	0.011	O	|	|	|	|	0.03
117.833	0.00	0.01	0.011	O	|	|	|	|	0.03
117.917	0.00	0.01	0.011	O	|	|	|	|	0.03
118.000	0.00	0.01	0.011	O	|	|	|	|	0.03
118.083	0.00	0.01	0.011	O	|	|	|	|	0.03
118.167	0.00	0.01	0.011	O	|	|	|	|	0.03
118.250	0.00	0.01	0.011	O	|	|	|	|	0.03
118.333	0.00	0.01	0.011	O	|	|	|	|	0.03
118.417	0.00	0.01	0.011	O	|	|	|	|	0.03
118.500	0.00	0.01	0.011	O	|	|	|	|	0.03
118.583	0.00	0.01	0.011	O	|	|	|	|	0.03
118.667	0.00	0.01	0.011	O	|	|	|	|	0.03
118.750	0.00	0.01	0.011	O	|	|	|	|	0.03
118.833	0.00	0.01	0.011	O	|	|	|	|	0.03
118.917	0.00	0.01	0.011	O	|	|	|	|	0.03
119.000	0.00	0.01	0.010	O	|	|	|	|	0.03
119.083	0.00	0.01	0.010	O	|	|	|	|	0.03
119.167	0.00	0.01	0.010	O	|	|	|	|	0.03
119.250	0.00	0.01	0.010	O	|	|	|	|	0.03
119.333	0.00	0.01	0.010	O	|	|	|	|	0.03
119.417	0.00	0.01	0.010	O	|	|	|	|	0.03
119.500	0.00	0.01	0.010	O	|	|	|	|	0.03
119.583	0.00	0.01	0.010	O	|	|	|	|	0.03
119.667	0.00	0.01	0.010	O	|	|	|	|	0.03
119.750	0.00	0.01	0.010	O	|	|	|	|	0.03
119.833	0.00	0.01	0.010	O	|	|	|	|	0.03
119.917	0.00	0.01	0.010	O	|	|	|	|	0.03
120.000	0.00	0.01	0.010	O	|	|	|	|	0.03
120.083	0.00	0.01	0.010	O	|	|	|	|	0.03
120.167	0.00	0.01	0.010	O	|	|	|	|	0.03
120.250	0.00	0.01	0.010	O	|	|	|	|	0.03
120.333	0.00	0.01	0.010	O	|	|	|	|	0.03
120.417	0.00	0.01	0.010	O	|	|	|	|	0.03
120.500	0.00	0.01	0.010	O	|	|	|	|	0.03
120.583	0.00	0.01	0.009	O	|	|	|	|	0.02
120.667	0.00	0.01	0.009	O	|	|	|	|	0.02
120.750	0.00	0.01	0.009	O	|	|	|	|	0.02
120.833	0.00	0.01	0.009	O	|	|	|	|	0.02
120.917	0.00	0.01	0.009	O	|	|	|	|	0.02
121.000	0.00	0.01	0.009	O	|	|	|	|	0.02
121.083	0.00	0.01	0.009	O	|	|	|	|	0.02
121.167	0.00	0.01	0.009	O	|	|	|	|	0.02
121.250	0.00	0.01	0.009	O	|	|	|	|	0.02
121.333	0.00	0.01	0.009	O	|	|	|	|	0.02
121.417	0.00	0.01	0.009	O	|	|	|	|	0.02
121.500	0.00	0.01	0.009	O	|	|	|	|	0.02
121.583	0.00	0.01	0.009	O	|	|	|	|	0.02
121.667	0.00	0.01	0.009	O	|	|	|	|	0.02
121.750	0.00	0.01	0.009	O	|	|	|	|	0.02
121.833	0.00	0.01	0.009	O	|	|	|	|	0.02
121.917	0.00	0.01	0.009	O	|	|	|	|	0.02
122.000	0.00	0.01	0.009	O	|	|	|	|	0.02
122.083	0.00	0.01	0.009	O	|	|	|	|	0.02
122.167	0.00	0.01	0.009	O	|	|	|	|	0.02
122.250	0.00	0.01	0.009	O	|	|	|	|	0.02
122.333	0.00	0.01	0.008	O	|	|	|	|	0.02
122.417	0.00	0.01	0.008	O	|	|	|	|	0.02
122.500	0.00	0.01	0.008	O	|	|	|	|	0.02
122.583	0.00	0.01	0.008	O	|	|	|	|	0.02
122.667	0.00	0.01	0.008	O	|	|	|	|	0.02
122.750	0.00	0.01	0.008	O	|	|	|	|	0.02
122.833	0.00	0.01	0.008	O	|	|	|	|	0.02
122.917	0.00	0.01	0.008	O	|	|	|	|	0.02
123.000	0.00	0.01	0.008	O	|	|	|	|	0.02

123.083	0.00	0.01	0.008	O					0.02
123.167	0.00	0.01	0.008	O					0.02
123.250	0.00	0.01	0.008	O					0.02
123.333	0.00	0.01	0.008	O					0.02
123.417	0.00	0.01	0.008	O					0.02
123.500	0.00	0.01	0.008	O					0.02
123.583	0.00	0.01	0.008	O					0.02
123.667	0.00	0.01	0.008	O					0.02
123.750	0.00	0.01	0.008	O					0.02
123.833	0.00	0.01	0.008	O					0.02
123.917	0.00	0.01	0.008	O					0.02
124.000	0.00	0.01	0.008	O					0.02
124.083	0.00	0.01	0.008	O					0.02
124.167	0.00	0.01	0.008	O					0.02
124.250	0.00	0.01	0.008	O					0.02
124.333	0.00	0.01	0.007	O					0.02
124.417	0.00	0.01	0.007	O					0.02
124.500	0.00	0.01	0.007	O					0.02
124.583	0.00	0.01	0.007	O					0.02
124.667	0.00	0.01	0.007	O					0.02
124.750	0.00	0.01	0.007	O					0.02
124.833	0.00	0.01	0.007	O					0.02
124.917	0.00	0.01	0.007	O					0.02
125.000	0.00	0.01	0.007	O					0.02
125.083	0.00	0.01	0.007	O					0.02
125.167	0.00	0.01	0.007	O					0.02
125.250	0.00	0.01	0.007	O					0.02
125.333	0.00	0.01	0.007	O					0.02
125.417	0.00	0.01	0.007	O					0.02
125.500	0.00	0.01	0.007	O					0.02
125.583	0.00	0.01	0.007	O					0.02
125.667	0.00	0.01	0.007	O					0.02
125.750	0.00	0.01	0.007	O					0.02
125.833	0.00	0.01	0.007	O					0.02
125.917	0.00	0.01	0.007	O					0.02
126.000	0.00	0.01	0.007	O					0.02
126.083	0.00	0.01	0.007	O					0.02
126.167	0.00	0.01	0.007	O					0.02
126.250	0.00	0.01	0.007	O					0.02
126.333	0.00	0.01	0.007	O					0.02
126.417	0.00	0.00	0.007	O					0.02
126.500	0.00	0.00	0.007	O					0.02
126.583	0.00	0.00	0.006	O					0.02
126.667	0.00	0.00	0.006	O					0.02
126.750	0.00	0.00	0.006	O					0.02
126.833	0.00	0.00	0.006	O					0.02
126.917	0.00	0.00	0.006	O					0.02
127.000	0.00	0.00	0.006	O					0.02
127.083	0.00	0.00	0.006	O					0.02
127.167	0.00	0.00	0.006	O					0.02
127.250	0.00	0.00	0.006	O					0.02
127.333	0.00	0.00	0.006	O					0.02
127.417	0.00	0.00	0.006	O					0.02
127.500	0.00	0.00	0.006	O					0.02
127.583	0.00	0.00	0.006	O					0.02
127.667	0.00	0.00	0.006	O					0.02
127.750	0.00	0.00	0.006	O					0.02
127.833	0.00	0.00	0.006	O					0.02
127.917	0.00	0.00	0.006	O					0.02
128.000	0.00	0.00	0.006	O					0.02
128.083	0.00	0.00	0.006	O					0.02
128.167	0.00	0.00	0.006	O					0.02
128.250	0.00	0.00	0.006	O					0.02
128.333	0.00	0.00	0.006	O					0.02
128.417	0.00	0.00	0.006	O					0.02
128.500	0.00	0.00	0.006	O					0.02
128.583	0.00	0.00	0.006	O					0.02

128.667	0.00	0.00	0.006	O	|	|	|	0.01
128.750	0.00	0.00	0.006	O	|	|	|	0.01
128.833	0.00	0.00	0.006	O	|	|	|	0.01
128.917	0.00	0.00	0.006	O	|	|	|	0.01
129.000	0.00	0.00	0.006	O	|	|	|	0.01
129.083	0.00	0.00	0.006	O	|	|	|	0.01
129.167	0.00	0.00	0.006	O	|	|	|	0.01
129.250	0.00	0.00	0.005	O	|	|	|	0.01
129.333	0.00	0.00	0.005	O	|	|	|	0.01
129.417	0.00	0.00	0.005	O	|	|	|	0.01
129.500	0.00	0.00	0.005	O	|	|	|	0.01
129.583	0.00	0.00	0.005	O	|	|	|	0.01
129.667	0.00	0.00	0.005	O	|	|	|	0.01
129.750	0.00	0.00	0.005	O	|	|	|	0.01
129.833	0.00	0.00	0.005	O	|	|	|	0.01
129.917	0.00	0.00	0.005	O	|	|	|	0.01
130.000	0.00	0.00	0.005	O	|	|	|	0.01
130.083	0.00	0.00	0.005	O	|	|	|	0.01
130.167	0.00	0.00	0.005	O	|	|	|	0.01
130.250	0.00	0.00	0.005	O	|	|	|	0.01
130.333	0.00	0.00	0.005	O	|	|	|	0.01
130.417	0.00	0.00	0.005	O	|	|	|	0.01
130.500	0.00	0.00	0.005	O	|	|	|	0.01
130.583	0.00	0.00	0.005	O	|	|	|	0.01
130.667	0.00	0.00	0.005	O	|	|	|	0.01
130.750	0.00	0.00	0.005	O	|	|	|	0.01
130.833	0.00	0.00	0.005	O	|	|	|	0.01
130.917	0.00	0.00	0.005	O	|	|	|	0.01
131.000	0.00	0.00	0.005	O	|	|	|	0.01
131.083	0.00	0.00	0.005	O	|	|	|	0.01
131.167	0.00	0.00	0.005	O	|	|	|	0.01
131.250	0.00	0.00	0.005	O	|	|	|	0.01
131.333	0.00	0.00	0.005	O	|	|	|	0.01
131.417	0.00	0.00	0.005	O	|	|	|	0.01
131.500	0.00	0.00	0.005	O	|	|	|	0.01
131.583	0.00	0.00	0.005	O	|	|	|	0.01
131.667	0.00	0.00	0.005	O	|	|	|	0.01
131.750	0.00	0.00	0.005	O	|	|	|	0.01
131.833	0.00	0.00	0.005	O	|	|	|	0.01
131.917	0.00	0.00	0.005	O	|	|	|	0.01
132.000	0.00	0.00	0.005	O	|	|	|	0.01
132.083	0.00	0.00	0.005	O	|	|	|	0.01
132.167	0.00	0.00	0.005	O	|	|	|	0.01
132.250	0.00	0.00	0.005	O	|	|	|	0.01
132.333	0.00	0.00	0.005	O	|	|	|	0.01
132.417	0.00	0.00	0.004	O	|	|	|	0.01
132.500	0.00	0.00	0.004	O	|	|	|	0.01
132.583	0.00	0.00	0.004	O	|	|	|	0.01
132.667	0.00	0.00	0.004	O	|	|	|	0.01
132.750	0.00	0.00	0.004	O	|	|	|	0.01
132.833	0.00	0.00	0.004	O	|	|	|	0.01
132.917	0.00	0.00	0.004	O	|	|	|	0.01
133.000	0.00	0.00	0.004	O	|	|	|	0.01
133.083	0.00	0.00	0.004	O	|	|	|	0.01
133.167	0.00	0.00	0.004	O	|	|	|	0.01
133.250	0.00	0.00	0.004	O	|	|	|	0.01
133.333	0.00	0.00	0.004	O	|	|	|	0.01
133.417	0.00	0.00	0.004	O	|	|	|	0.01
133.500	0.00	0.00	0.004	O	|	|	|	0.01
133.583	0.00	0.00	0.004	O	|	|	|	0.01
133.667	0.00	0.00	0.004	O	|	|	|	0.01
133.750	0.00	0.00	0.004	O	|	|	|	0.01
133.833	0.00	0.00	0.004	O	|	|	|	0.01
133.917	0.00	0.00	0.004	O	|	|	|	0.01
134.000	0.00	0.00	0.004	O	|	|	|	0.01
134.083	0.00	0.00	0.004	O	|	|	|	0.01
134.167	0.00	0.00	0.004	O	|	|	|	0.01

134.250	0.00	0.00	0.004	O	|	|	|	|	0.01
134.333	0.00	0.00	0.004	O	|	|	|	|	0.01
134.417	0.00	0.00	0.004	O	|	|	|	|	0.01
134.500	0.00	0.00	0.004	O	|	|	|	|	0.01
134.583	0.00	0.00	0.004	O	|	|	|	|	0.01
134.667	0.00	0.00	0.004	O	|	|	|	|	0.01
134.750	0.00	0.00	0.004	O	|	|	|	|	0.01
134.833	0.00	0.00	0.004	O	|	|	|	|	0.01
134.917	0.00	0.00	0.004	O	|	|	|	|	0.01
135.000	0.00	0.00	0.004	O	|	|	|	|	0.01
135.083	0.00	0.00	0.004	O	|	|	|	|	0.01
135.167	0.00	0.00	0.004	O	|	|	|	|	0.01
135.250	0.00	0.00	0.004	O	|	|	|	|	0.01
135.333	0.00	0.00	0.004	O	|	|	|	|	0.01
135.417	0.00	0.00	0.004	O	|	|	|	|	0.01
135.500	0.00	0.00	0.004	O	|	|	|	|	0.01
135.583	0.00	0.00	0.004	O	|	|	|	|	0.01
135.667	0.00	0.00	0.004	O	|	|	|	|	0.01
135.750	0.00	0.00	0.004	O	|	|	|	|	0.01
135.833	0.00	0.00	0.004	O	|	|	|	|	0.01
135.917	0.00	0.00	0.004	O	|	|	|	|	0.01
136.000	0.00	0.00	0.004	O	|	|	|	|	0.01
136.083	0.00	0.00	0.004	O	|	|	|	|	0.01
136.167	0.00	0.00	0.004	O	|	|	|	|	0.01
136.250	0.00	0.00	0.004	O	|	|	|	|	0.01
136.333	0.00	0.00	0.004	O	|	|	|	|	0.01
136.417	0.00	0.00	0.003	O	|	|	|	|	0.01
136.500	0.00	0.00	0.003	O	|	|	|	|	0.01
136.583	0.00	0.00	0.003	O	|	|	|	|	0.01
136.667	0.00	0.00	0.003	O	|	|	|	|	0.01
136.750	0.00	0.00	0.003	O	|	|	|	|	0.01
136.833	0.00	0.00	0.003	O	|	|	|	|	0.01
136.917	0.00	0.00	0.003	O	|	|	|	|	0.01
137.000	0.00	0.00	0.003	O	|	|	|	|	0.01
137.083	0.00	0.00	0.003	O	|	|	|	|	0.01
137.167	0.00	0.00	0.003	O	|	|	|	|	0.01
137.250	0.00	0.00	0.003	O	|	|	|	|	0.01
137.333	0.00	0.00	0.003	O	|	|	|	|	0.01
137.417	0.00	0.00	0.003	O	|	|	|	|	0.01
137.500	0.00	0.00	0.003	O	|	|	|	|	0.01
137.583	0.00	0.00	0.003	O	|	|	|	|	0.01
137.667	0.00	0.00	0.003	O	|	|	|	|	0.01
137.750	0.00	0.00	0.003	O	|	|	|	|	0.01
137.833	0.00	0.00	0.003	O	|	|	|	|	0.01
137.917	0.00	0.00	0.003	O	|	|	|	|	0.01
138.000	0.00	0.00	0.003	O	|	|	|	|	0.01
138.083	0.00	0.00	0.003	O	|	|	|	|	0.01
138.167	0.00	0.00	0.003	O	|	|	|	|	0.01
138.250	0.00	0.00	0.003	O	|	|	|	|	0.01
138.333	0.00	0.00	0.003	O	|	|	|	|	0.01
138.417	0.00	0.00	0.003	O	|	|	|	|	0.01
138.500	0.00	0.00	0.003	O	|	|	|	|	0.01
138.583	0.00	0.00	0.003	O	|	|	|	|	0.01
138.667	0.00	0.00	0.003	O	|	|	|	|	0.01
138.750	0.00	0.00	0.003	O	|	|	|	|	0.01
138.833	0.00	0.00	0.003	O	|	|	|	|	0.01
138.917	0.00	0.00	0.003	O	|	|	|	|	0.01
139.000	0.00	0.00	0.003	O	|	|	|	|	0.01
139.083	0.00	0.00	0.003	O	|	|	|	|	0.01
139.167	0.00	0.00	0.003	O	|	|	|	|	0.01
139.250	0.00	0.00	0.003	O	|	|	|	|	0.01
139.333	0.00	0.00	0.003	O	|	|	|	|	0.01
139.417	0.00	0.00	0.003	O	|	|	|	|	0.01
139.500	0.00	0.00	0.003	O	|	|	|	|	0.01
139.583	0.00	0.00	0.003	O	|	|	|	|	0.01
139.667	0.00	0.00	0.003	O	|	|	|	|	0.01
139.750	0.00	0.00	0.003	O	|	|	|	|	0.01

139.833	0.00	0.00	0.003	O	|	|	|	0.01
139.917	0.00	0.00	0.003	O	|	|	|	0.01
140.000	0.00	0.00	0.003	O	|	|	|	0.01
140.083	0.00	0.00	0.003	O	|	|	|	0.01
140.167	0.00	0.00	0.003	O	|	|	|	0.01
140.250	0.00	0.00	0.003	O	|	|	|	0.01
140.333	0.00	0.00	0.003	O	|	|	|	0.01
140.417	0.00	0.00	0.003	O	|	|	|	0.01
140.500	0.00	0.00	0.003	O	|	|	|	0.01
140.583	0.00	0.00	0.003	O	|	|	|	0.01
140.667	0.00	0.00	0.003	O	|	|	|	0.01
140.750	0.00	0.00	0.003	O	|	|	|	0.01
140.833	0.00	0.00	0.003	O	|	|	|	0.01
140.917	0.00	0.00	0.003	O	|	|	|	0.01
141.000	0.00	0.00	0.003	O	|	|	|	0.01
141.083	0.00	0.00	0.003	O	|	|	|	0.01
141.167	0.00	0.00	0.003	O	|	|	|	0.01
141.250	0.00	0.00	0.003	O	|	|	|	0.01
141.333	0.00	0.00	0.003	O	|	|	|	0.01
141.417	0.00	0.00	0.003	O	|	|	|	0.01
141.500	0.00	0.00	0.003	O	|	|	|	0.01
141.583	0.00	0.00	0.003	O	|	|	|	0.01
141.667	0.00	0.00	0.003	O	|	|	|	0.01
141.750	0.00	0.00	0.002	O	|	|	|	0.01
141.833	0.00	0.00	0.002	O	|	|	|	0.01
141.917	0.00	0.00	0.002	O	|	|	|	0.01
142.000	0.00	0.00	0.002	O	|	|	|	0.01
142.083	0.00	0.00	0.002	O	|	|	|	0.01
142.167	0.00	0.00	0.002	O	|	|	|	0.01
142.250	0.00	0.00	0.002	O	|	|	|	0.01
142.333	0.00	0.00	0.002	O	|	|	|	0.01
142.417	0.00	0.00	0.002	O	|	|	|	0.01
142.500	0.00	0.00	0.002	O	|	|	|	0.01
142.583	0.00	0.00	0.002	O	|	|	|	0.01
142.667	0.00	0.00	0.002	O	|	|	|	0.01
142.750	0.00	0.00	0.002	O	|	|	|	0.01
142.833	0.00	0.00	0.002	O	|	|	|	0.01
142.917	0.00	0.00	0.002	O	|	|	|	0.01
143.000	0.00	0.00	0.002	O	|	|	|	0.01
143.083	0.00	0.00	0.002	O	|	|	|	0.01
143.167	0.00	0.00	0.002	O	|	|	|	0.01
143.250	0.00	0.00	0.002	O	|	|	|	0.01
143.333	0.00	0.00	0.002	O	|	|	|	0.01
143.417	0.00	0.00	0.002	O	|	|	|	0.01
143.500	0.00	0.00	0.002	O	|	|	|	0.01
143.583	0.00	0.00	0.002	O	|	|	|	0.01
143.667	0.00	0.00	0.002	O	|	|	|	0.01
143.750	0.00	0.00	0.002	O	|	|	|	0.01
143.833	0.00	0.00	0.002	O	|	|	|	0.01
143.917	0.00	0.00	0.002	O	|	|	|	0.01
144.000	0.00	0.00	0.002	O	|	|	|	0.01
144.083	0.00	0.00	0.002	O	|	|	|	0.01
144.167	0.00	0.00	0.002	O	|	|	|	0.01
144.250	0.00	0.00	0.002	O	|	|	|	0.01
144.333	0.00	0.00	0.002	O	|	|	|	0.01
144.417	0.00	0.00	0.002	O	|	|	|	0.01
144.500	0.00	0.00	0.002	O	|	|	|	0.01
144.583	0.00	0.00	0.002	O	|	|	|	0.01
144.667	0.00	0.00	0.002	O	|	|	|	0.01
144.750	0.00	0.00	0.002	O	|	|	|	0.01
144.833	0.00	0.00	0.002	O	|	|	|	0.01
144.917	0.00	0.00	0.002	O	|	|	|	0.01
145.000	0.00	0.00	0.002	O	|	|	|	0.01
145.083	0.00	0.00	0.002	O	|	|	|	0.01
145.167	0.00	0.00	0.002	O	|	|	|	0.01
145.250	0.00	0.00	0.002	O	|	|	|	0.01
145.333	0.00	0.00	0.002	O	|	|	|	0.01

145.417	0.00	0.00	0.002	O	|	|	|	|	0.01
145.500	0.00	0.00	0.002	O	|	|	|	|	0.01
145.583	0.00	0.00	0.002	O	|	|	|	|	0.01
145.667	0.00	0.00	0.002	O	|	|	|	|	0.01
145.750	0.00	0.00	0.002	O	|	|	|	|	0.01
145.833	0.00	0.00	0.002	O	|	|	|	|	0.01
145.917	0.00	0.00	0.002	O	|	|	|	|	0.01
146.000	0.00	0.00	0.002	O	|	|	|	|	0.01
146.083	0.00	0.00	0.002	O	|	|	|	|	0.00
146.167	0.00	0.00	0.002	O	|	|	|	|	0.00
146.250	0.00	0.00	0.002	O	|	|	|	|	0.00
146.333	0.00	0.00	0.002	O	|	|	|	|	0.00
146.417	0.00	0.00	0.002	O	|	|	|	|	0.00
146.500	0.00	0.00	0.002	O	|	|	|	|	0.00
146.583	0.00	0.00	0.002	O	|	|	|	|	0.00
146.667	0.00	0.00	0.002	O	|	|	|	|	0.00
146.750	0.00	0.00	0.002	O	|	|	|	|	0.00
146.833	0.00	0.00	0.002	O	|	|	|	|	0.00
146.917	0.00	0.00	0.002	O	|	|	|	|	0.00
147.000	0.00	0.00	0.002	O	|	|	|	|	0.00
147.083	0.00	0.00	0.002	O	|	|	|	|	0.00
147.167	0.00	0.00	0.002	O	|	|	|	|	0.00
147.250	0.00	0.00	0.002	O	|	|	|	|	0.00
147.333	0.00	0.00	0.002	O	|	|	|	|	0.00
147.417	0.00	0.00	0.002	O	|	|	|	|	0.00
147.500	0.00	0.00	0.002	O	|	|	|	|	0.00
147.583	0.00	0.00	0.002	O	|	|	|	|	0.00
147.667	0.00	0.00	0.002	O	|	|	|	|	0.00
147.750	0.00	0.00	0.002	O	|	|	|	|	0.00
147.833	0.00	0.00	0.002	O	|	|	|	|	0.00
147.917	0.00	0.00	0.002	O	|	|	|	|	0.00
148.000	0.00	0.00	0.002	O	|	|	|	|	0.00
148.083	0.00	0.00	0.002	O	|	|	|	|	0.00
148.167	0.00	0.00	0.002	O	|	|	|	|	0.00
148.250	0.00	0.00	0.002	O	|	|	|	|	0.00
148.333	0.00	0.00	0.002	O	|	|	|	|	0.00
148.417	0.00	0.00	0.002	O	|	|	|	|	0.00
148.500	0.00	0.00	0.002	O	|	|	|	|	0.00
148.583	0.00	0.00	0.002	O	|	|	|	|	0.00
148.667	0.00	0.00	0.002	O	|	|	|	|	0.00
148.750	0.00	0.00	0.002	O	|	|	|	|	0.00
148.833	0.00	0.00	0.002	O	|	|	|	|	0.00
148.917	0.00	0.00	0.002	O	|	|	|	|	0.00
149.000	0.00	0.00	0.002	O	|	|	|	|	0.00
149.083	0.00	0.00	0.002	O	|	|	|	|	0.00
149.167	0.00	0.00	0.002	O	|	|	|	|	0.00
149.250	0.00	0.00	0.002	O	|	|	|	|	0.00
149.333	0.00	0.00	0.002	O	|	|	|	|	0.00
149.417	0.00	0.00	0.002	O	|	|	|	|	0.00
149.500	0.00	0.00	0.002	O	|	|	|	|	0.00
149.583	0.00	0.00	0.002	O	|	|	|	|	0.00
149.667	0.00	0.00	0.002	O	|	|	|	|	0.00
149.750	0.00	0.00	0.002	O	|	|	|	|	0.00
149.833	0.00	0.00	0.001	O	|	|	|	|	0.00
149.917	0.00	0.00	0.001	O	|	|	|	|	0.00
150.000	0.00	0.00	0.001	O	|	|	|	|	0.00
150.083	0.00	0.00	0.001	O	|	|	|	|	0.00
150.167	0.00	0.00	0.001	O	|	|	|	|	0.00
150.250	0.00	0.00	0.001	O	|	|	|	|	0.00
150.333	0.00	0.00	0.001	O	|	|	|	|	0.00
150.417	0.00	0.00	0.001	O	|	|	|	|	0.00
150.500	0.00	0.00	0.001	O	|	|	|	|	0.00
150.583	0.00	0.00	0.001	O	|	|	|	|	0.00
150.667	0.00	0.00	0.001	O	|	|	|	|	0.00
150.750	0.00	0.00	0.001	O	|	|	|	|	0.00
150.833	0.00	0.00	0.001	O	|	|	|	|	0.00
150.917	0.00	0.00	0.001	O	|	|	|	|	0.00

151.000	0.00	0.00	0.001	O	|	|	|	|	0.00
151.083	0.00	0.00	0.001	O	|	|	|	|	0.00
151.167	0.00	0.00	0.001	O	|	|	|	|	0.00
151.250	0.00	0.00	0.001	O	|	|	|	|	0.00
151.333	0.00	0.00	0.001	O	|	|	|	|	0.00
151.417	0.00	0.00	0.001	O	|	|	|	|	0.00
151.500	0.00	0.00	0.001	O	|	|	|	|	0.00
151.583	0.00	0.00	0.001	O	|	|	|	|	0.00
151.667	0.00	0.00	0.001	O	|	|	|	|	0.00
151.750	0.00	0.00	0.001	O	|	|	|	|	0.00
151.833	0.00	0.00	0.001	O	|	|	|	|	0.00
151.917	0.00	0.00	0.001	O	|	|	|	|	0.00
152.000	0.00	0.00	0.001	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1824
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.783 (CFS)
Total volume = 3.152 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/19/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRG2410.rte

**********HYDROGRAPH DATA**********

Number of intervals = 291
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 10.492 (CFS)
Total volume = 6.280 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN G- ROUTING
10YR-24HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 291
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.380	0.290	0.379	0.381
2.000	0.810	0.440	0.808	0.812
3.000	1.300	0.550	1.298	1.302
4.000	1.840	0.650	1.838	1.842
5.000	2.440	0.730	2.437	2.443
6.000	3.100	0.800	3.097	3.103
7.000	3.820	1.470	3.815	3.825
8.000	4.610	25.330	4.523	4.697
9.000	5.500	124.380	5.072	5.928

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 2.6 5.25 7.87 10.49	Depth (Ft.)
0.083	0.28	0.00	0.001	O | | | |	0.00

0.167	0.54	0.00	0.004	OI	|	|	|	0.01
0.250	0.59	0.01	0.008	OI	|	|	|	0.02
0.333	0.75	0.01	0.012	O I	|	|	|	0.03
0.417	0.88	0.01	0.018	O I	|	|	|	0.05
0.500	0.90	0.02	0.024	O I	|	|	|	0.06
0.583	0.91	0.02	0.030	O I	|	|	|	0.08
0.667	0.91	0.03	0.036	O I	|	|	|	0.09
0.750	0.91	0.03	0.042	O I	|	|	|	0.11
0.833	1.05	0.04	0.048	O I	|	|	|	0.13
0.917	1.18	0.04	0.056	O I	|	|	|	0.15
1.000	1.20	0.05	0.064	O I	|	|	|	0.17
1.083	1.07	0.05	0.071	O I	|	|	|	0.19
1.167	0.95	0.06	0.078	O I	|	|	|	0.20
1.250	0.92	0.06	0.084	O I	|	|	|	0.22
1.333	0.91	0.07	0.090	O I	|	|	|	0.24
1.417	0.91	0.07	0.095	O I	|	|	|	0.25
1.500	0.91	0.08	0.101	O I	|	|	|	0.27
1.583	0.91	0.08	0.107	O I	|	|	|	0.28
1.667	0.91	0.09	0.113	O I	|	|	|	0.30
1.750	0.91	0.09	0.118	O I	|	|	|	0.31
1.833	1.05	0.09	0.124	O I	|	|	|	0.33
1.917	1.18	0.10	0.131	O I	|	|	|	0.35
2.000	1.20	0.11	0.139	O I	|	|	|	0.37
2.083	1.21	0.11	0.147	O I	|	|	|	0.39
2.167	1.21	0.12	0.154	O I	|	|	|	0.41
2.250	1.21	0.12	0.162	O I	|	|	|	0.43
2.333	1.21	0.13	0.169	O I	|	|	|	0.45
2.417	1.21	0.13	0.177	O I	|	|	|	0.46
2.500	1.21	0.14	0.184	O I	|	|	|	0.48
2.583	1.36	0.15	0.192	O I	|	|	|	0.50
2.667	1.48	0.15	0.201	O I	|	|	|	0.53
2.750	1.51	0.16	0.210	O I	|	|	|	0.55
2.833	1.52	0.17	0.219	O I	|	|	|	0.58
2.917	1.52	0.17	0.228	O I	|	|	|	0.60
3.000	1.52	0.18	0.238	O I	|	|	|	0.63
3.083	1.52	0.19	0.247	O I	|	|	|	0.65
3.167	1.52	0.20	0.256	O I	|	|	|	0.67
3.250	1.52	0.20	0.265	O I	|	|	|	0.70
3.333	1.52	0.21	0.274	O I	|	|	|	0.72
3.417	1.52	0.22	0.283	O I	|	|	|	0.75
3.500	1.52	0.22	0.292	O I	|	|	|	0.77
3.583	1.52	0.23	0.301	O I	|	|	|	0.79
3.667	1.52	0.24	0.310	O I	|	|	|	0.82
3.750	1.52	0.24	0.319	O I	|	|	|	0.84
3.833	1.66	0.25	0.328	O I	|	|	|	0.86
3.917	1.79	0.26	0.338	O I	|	|	|	0.89
4.000	1.81	0.27	0.349	O I	|	|	|	0.92
4.083	1.82	0.27	0.359	O I	|	|	|	0.95
4.167	1.82	0.28	0.370	O I	|	|	|	0.97
4.250	1.82	0.29	0.380	O I	|	|	|	1.00
4.333	1.96	0.29	0.391	O I	|	|	|	1.03
4.417	2.09	0.30	0.403	O I	|	|	|	1.05
4.500	2.12	0.30	0.416	O I	|	|	|	1.08
4.583	2.13	0.31	0.428	O I	|	|	|	1.11
4.667	2.13	0.31	0.441	O I	|	|	|	1.14
4.750	2.13	0.32	0.453	O I	|	|	|	1.17
4.833	2.27	0.32	0.466	O I	|	|	|	1.20
4.917	2.39	0.32	0.480	O I	|	|	|	1.23
5.000	2.42	0.33	0.494	|O I	|	|	|	1.27
5.083	2.15	0.33	0.508	|O I	|	|	|	1.30
5.167	1.89	0.34	0.519	|O I	|	|	|	1.32
5.250	1.84	0.34	0.530	|O I	|	|	|	1.35
5.333	1.96	0.35	0.541	|O I	|	|	|	1.37
5.417	2.09	0.35	0.552	|O I	|	|	|	1.40
5.500	2.12	0.35	0.564	|O I	|	|	|	1.43
5.583	2.27	0.36	0.577	|O I	|	|	|	1.46
5.667	2.39	0.36	0.590	|O I	|	|	|	1.49

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 5.750    2.42    0.37      0.605  |O     I|       |       |       |     1.52
 5.833    2.43    0.37      0.619  |O     I|       |       |       |     1.56
 5.917    2.43    0.38      0.633  |O     I|       |       |       |     1.59
 6.000    2.43    0.38      0.647  |O     I|       |       |       |     1.62
 6.083    2.57    0.39      0.662  |O     I|       |       |       |     1.65
 6.167    2.70    0.39      0.677  |O      I       |       |       |     1.69
 6.250    2.72    0.40      0.693  |O      I       |       |       |     1.73
 6.333    2.73    0.40      0.709  |O      I       |       |       |     1.76
 6.417    2.73    0.41      0.725  |O      I       |       |       |     1.80
 6.500    2.73    0.42      0.741  |O      I       |       |       |     1.84
 6.583    2.87    0.42      0.757  |O      I       |       |       |     1.88
 6.667    3.00    0.43      0.775  |O      |I      |       |       |     1.92
 6.750    3.03    0.43      0.792  |O      |I      |       |       |     1.96
 6.833    3.04    0.44      0.810  |O      |I      |       |       |     2.00
 6.917    3.04    0.44      0.828  |O      |I      |       |       |     2.04
 7.000    3.04    0.45      0.846  |O      |I      |       |       |     2.07
 7.083    3.04    0.45      0.864  |O      |I      |       |       |     2.11
 7.167    3.04    0.46      0.882  |O      |I      |       |       |     2.15
 7.250    3.04    0.46      0.899  |O      |I      |       |       |     2.18
 7.333    3.18    0.46      0.918  |O      |I      |       |       |     2.22
 7.417    3.31    0.47      0.937  |O      | I     |       |       |     2.26
 7.500    3.33    0.47      0.956  |O      | I     |       |       |     2.30
 7.583    3.48    0.48      0.977  |O      | I     |       |       |     2.34
 7.667    3.61    0.48      0.998  |O      |  I    |       |       |     2.38
 7.750    3.63    0.49      1.019  |O      |  I    |       |       |     2.43
 7.833    3.78    0.49      1.041  |O      |  I    |       |       |     2.47
 7.917    3.91    0.50      1.065  |O      |  I    |       |       |     2.52
 8.000    3.94    0.50      1.088  |O      |   I   |       |       |     2.57
 8.083    4.23    0.51      1.113  |O      |   I   |       |       |     2.62
 8.167    4.49    0.51      1.139  |O      |    I  |       |       |     2.67
 8.250    4.53    0.52      1.167  |O      |    I  |       |       |     2.73
 8.333    4.56    0.53      1.194  |O      |    I  |       |       |     2.78
 8.417    4.56    0.53      1.222  |O      |    I  |       |       |     2.84
 8.500    4.56    0.54      1.250  |O      |    I  |       |       |     2.90
 8.583    4.70    0.55      1.278  |O      |     I |       |       |     2.96
 8.667    4.82    0.55      1.307  |O      |     I |       |       |     3.01
 8.750    4.85    0.56      1.336  |O      |     I |       |       |     3.07
 8.833    5.00    0.56      1.367  |O      |      I|       |       |     3.12
 8.917    5.13    0.57      1.398  |O      |      I|       |       |     3.18
 9.000    5.15    0.57      1.429  |O      |      I|       |       |     3.24
 9.083    5.44    0.58      1.461  |O      |       I       |       |     3.30
 9.167    5.70    0.59      1.496  |O      |       |I      |       |     3.36
 9.250    5.75    0.59      1.531  |O      |       |I      |       |     3.43
 9.333    5.91    0.60      1.567  |O      |       | I     |       |     3.49
 9.417    6.04    0.61      1.604  |O      |       | I     |       |     3.56
 9.500    6.06    0.61      1.642  |O      |       | I     |       |     3.63
 9.583    6.21    0.62      1.680  |O      |       | I     |       |     3.70
 9.667    6.34    0.63      1.719  |O      |       |  I    |       |     3.78
 9.750    6.37    0.63      1.758  |O      |       |  I    |       |     3.85
 9.833    6.52    0.64      1.798  |O      |       |  I    |       |     3.92
 9.917    6.65    0.65      1.839  |O      |       |   I   |       |     4.00
10.000    6.67    0.66      1.880  |O      |       |   I   |       |     4.07
10.083    5.70    0.66      1.918  | O     |       |I      |       |     4.13
10.167    4.80    0.66      1.950  | O     |     I |       |       |     4.18
10.250    4.63    0.67      1.978  | O     |     I |       |       |     4.23
10.333    4.56    0.67      2.005  | O     |    I  |       |       |     4.27
10.417    4.56    0.68      2.032  | O     |    I  |       |       |     4.32
10.500    4.56    0.68      2.058  | O     |    I  |       |       |     4.36
10.583    5.26    0.68      2.087  | O     |       I       |       |     4.41
10.667    5.90    0.69      2.121  | O     |       |I      |       |     4.47
10.750    6.02    0.69      2.157  | O     |       | I     |       |     4.53
10.833    6.07    0.70      2.194  | O     |       | I     |       |     4.59
10.917    6.07    0.70      2.231  | O     |       | I     |       |     4.65
11.000    6.07    0.71      2.268  | O     |       | I     |       |     4.71
11.083    5.93    0.71      2.305  | O     |       | I     |       |     4.77
11.167    5.81    0.72      2.340  | O     |       |I      |       |     4.83
11.250    5.78    0.72      2.375  | O     |       |I      |       |     4.89
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11.333	5.77	0.73	2.410	O		I			4.95
11.417	5.77	0.73	2.445	O		I			5.01
11.500	5.77	0.73	2.479	O		I			5.06
11.583	5.49	0.74	2.513	O		I			5.11
11.667	5.23	0.74	2.545	O		I			5.16
11.750	5.18	0.74	2.576	O		I			5.21
11.833	5.30	0.75	2.607	O		I			5.25
11.917	5.43	0.75	2.638	O		I			5.30
12.000	5.46	0.75	2.671	O		I			5.35
12.083	6.45	0.76	2.707	O		I			5.40
12.167	7.35	0.76	2.749	O		I			5.47
12.250	7.52	0.77	2.795	O		I			5.54
12.333	7.73	0.77	2.842	O		I			5.61
12.417	7.86	0.78	2.890	O		I			5.68
12.500	7.89	0.78	2.939	O		I			5.76
12.583	8.18	0.79	2.989	O		I			5.83
12.667	8.43	0.79	3.041	O		I			5.91
12.750	8.48	0.80	3.094	O		I			5.99
12.833	8.64	0.84	3.147	O		I			6.07
12.917	8.77	0.89	3.201	O		I			6.14
13.000	8.80	0.94	3.255	O		I			6.22
13.083	9.55	1.00	3.312	O		I			6.29
13.167	10.24	1.05	3.373	O		I			6.38
13.250	10.39	1.11	3.436	O		I			6.47
13.333	10.46	1.17	3.500	O		I			6.56
13.417	10.48	1.23	3.564	O		I			6.64
13.500	10.49	1.29	3.628	O		I			6.73
13.583	8.87	1.34	3.685	O		I			6.81
13.667	7.39	1.39	3.732	O		I			6.88
13.750	7.11	1.43	3.772	O		I			6.93
13.833	6.99	1.46	3.811	O		I			6.99
13.917	6.99	2.25	3.846	O		I			7.03
14.000	6.99	3.14	3.875	O		I			7.07
14.083	7.55	3.92	3.901	O		I			7.10
14.167	8.06	4.65	3.925	O		I			7.13
14.250	8.16	5.30	3.947	O		I			7.16
14.333	8.06	5.83	3.964	O		I			7.18
14.417	7.93	6.24	3.978	O		I			7.20
14.500	7.91	6.56	3.988	O		I			7.21
14.583	7.90	6.81	3.997	O		I			7.22
14.667	7.90	7.01	4.004	O		I			7.23
14.750	7.90	7.18	4.009	O		I			7.24
14.833	7.76	7.30	4.013	O		I			7.24
14.917	7.63	7.38	4.016	O		I			7.25
15.000	7.60	7.42	4.017	O		I			7.25
15.083	7.45	**7.44**	**4.018**	**O**		**I**			**7.25**
15.167	7.32	7.43	4.017	O		I			7.25
15.250	7.30	7.41	4.017	O		I			7.25
15.333	7.15	7.37	4.015	O		I			7.25
15.417	7.02	7.32	4.014	O		I			7.25
15.500	7.00	7.26	4.012	O		I			7.24
15.583	6.42	7.16	4.008	O		I			7.24
15.667	5.91	6.97	4.002	O		I			7.23
15.750	5.81	6.76	3.995	O		I			7.22
15.833	5.77	6.58	3.989	O		I			7.21
15.917	5.77	6.43	3.984	O		I			7.21
16.000	5.77	6.30	3.980	O		I			7.20
16.083	3.66	6.00	3.970	O		I			7.19
16.167	1.74	5.38	3.950	O		I			7.16
16.250	1.37	4.66	3.926	O		I			7.13
16.333	1.21	4.03	3.905	O		I			7.11
16.417	1.21	3.50	3.887	O		I			7.08
16.500	1.21	3.07	3.873	O		I			7.07
16.583	1.07	2.70	3.861	O		I			7.05
16.667	0.95	2.39	3.850	O		I			7.04
16.750	0.92	2.11	3.841	O		I			7.03
16.833	0.91	1.89	3.834	O		I			7.02

16.917	0.91	1.70	3.828	I O				7.01
17.000	0.91	1.55	3.823	I O				7.00
17.083	1.19	1.47	3.820	IO				7.00
17.167	1.45	1.47	3.819	O				7.00
17.250	1.50	1.47	3.819	O				7.00
17.333	1.52	1.47	3.819	O				7.00
17.417	1.52	1.47	3.819	O				7.00
17.500	1.52	1.47	3.820	O				7.00
17.583	1.52	1.47	3.820	O				7.00
17.667	1.52	1.48	3.820	O				7.00
17.750	1.52	1.48	3.820	O				7.00
17.833	1.38	1.48	3.820	O				7.00
17.917	1.25	1.47	3.819	IO				7.00
18.000	1.23	1.47	3.818	IO				7.00
18.083	1.21	1.47	3.816	IO				6.99
18.167	1.21	1.46	3.814	IO				6.99
18.250	1.21	1.46	3.812	IO				6.99
18.333	1.21	1.46	3.811	IO				6.99
18.417	1.21	1.46	3.809	IO				6.98
18.500	1.21	1.46	3.807	IO				6.98
18.583	1.07	1.46	3.805	IO				6.98
18.667	0.95	1.45	3.802	I O				6.98
18.750	0.92	1.45	3.799	I O				6.97
18.833	0.77	1.45	3.794	I O				6.96
18.917	0.64	1.44	3.789	I O				6.96
19.000	0.62	1.44	3.784	I O				6.95
19.083	0.75	1.43	3.779	I O				6.94
19.167	0.88	1.43	3.774	I O				6.94
19.250	0.90	1.42	3.771	I O				6.93
19.333	1.05	1.42	3.768	IO				6.93
19.417	1.18	1.42	3.765	IO				6.92
19.500	1.20	1.42	3.764	IO				6.92
19.583	1.07	1.42	3.762	IO				6.92
19.667	0.95	1.41	3.759	I O				6.92
19.750	0.92	1.41	3.756	I O				6.91
19.833	0.77	1.41	3.752	I O				6.91
19.917	0.64	1.40	3.747	I O				6.90
20.000	0.62	1.40	3.742	I O				6.89
20.083	0.75	1.39	3.737	I O				6.88
20.167	0.88	1.39	3.733	I O				6.88
20.250	0.90	1.39	3.730	I O				6.87
20.333	0.91	1.38	3.726	I O				6.87
20.417	0.91	1.38	3.723	I O				6.87
20.500	0.91	1.38	3.720	I O				6.86
20.583	0.91	1.37	3.717	I O				6.86
20.667	0.91	1.37	3.713	I O				6.85
20.750	0.91	1.37	3.710	I O				6.85
20.833	0.77	1.36	3.707	I O				6.84
20.917	0.64	1.36	3.702	I O				6.84
21.000	0.62	1.36	3.697	I O				6.83
21.083	0.75	1.35	3.693	I O				6.82
21.167	0.88	1.35	3.689	I O				6.82
21.250	0.90	1.35	3.686	I O				6.81
21.333	0.77	1.34	3.682	I O				6.81
21.417	0.64	1.34	3.678	I O				6.80
21.500	0.62	1.33	3.673	I O				6.80
21.583	0.75	1.33	3.669	I O				6.79
21.667	0.88	1.33	3.665	I O				6.78
21.750	0.90	1.32	3.662	I O				6.78
21.833	0.77	1.32	3.659	I O				6.78
21.917	0.64	1.32	3.654	I O				6.77
22.000	0.62	1.31	3.650	I O				6.76
22.083	0.75	1.31	3.645	IO				6.76
22.167	0.88	1.30	3.642	IO				6.75
22.250	0.90	1.30	3.639	IO				6.75
22.333	0.77	1.30	3.636	IO				6.74
22.417	0.64	1.29	3.632	I O				6.74

22.500	0.62	1.29	3.627	|I O	|	|	|	6.73
22.583	0.61	1.29	3.623	|I O	|	|	|	6.73
22.667	0.61	1.28	3.618	|I O	|	|	|	6.72
22.750	0.61	1.28	3.613	|I O	|	|	|	6.71
22.833	0.61	1.27	3.609	|I O	|	|	|	6.71
22.917	0.61	1.27	3.604	|I O	|	|	|	6.70
23.000	0.61	1.26	3.600	|I O	|	|	|	6.69
23.083	0.61	1.26	3.595	|I O	|	|	|	6.69
23.167	0.61	1.26	3.591	|I O	|	|	|	6.68
23.250	0.61	1.25	3.586	|I O	|	|	|	6.68
23.333	0.61	1.25	3.582	|I O	|	|	|	6.67
23.417	0.61	1.24	3.577	|I O	|	|	|	6.66
23.500	0.61	1.24	3.573	|I O	|	|	|	6.66
23.583	0.61	1.24	3.569	|I O	|	|	|	6.65
23.667	0.61	1.23	3.564	|I O	|	|	|	6.64
23.750	0.61	1.23	3.560	|I O	|	|	|	6.64
23.833	0.61	1.22	3.556	|I O	|	|	|	6.63
23.917	0.61	1.22	3.552	|I O	|	|	|	6.63
24.000	0.61	1.22	3.547	|I O	|	|	|	6.62
24.083	0.33	1.21	3.542	I O	|	|	|	6.61
24.167	0.07	1.21	3.535	I O	|	|	|	6.60
24.250	0.02	1.20	3.527	I O	|	|	|	6.59
24.333	0.00	1.19	3.519	I O	|	|	|	6.58
24.417	0.00	1.18	3.511	I O	|	|	|	6.57
24.500	0.00	1.17	3.503	I O	|	|	|	6.56
24.583	0.00	1.17	3.495	I O	|	|	|	6.55
24.667	0.00	1.16	3.487	I O	|	|	|	6.54
24.750	0.00	1.15	3.479	I O	|	|	|	6.53
24.833	0.00	1.15	3.471	I O	|	|	|	6.52
24.917	0.00	1.14	3.463	I O	|	|	|	6.50
25.000	0.00	1.13	3.455	I O	|	|	|	6.49
25.083	0.00	1.12	3.447	I O	|	|	|	6.48
25.167	0.00	1.12	3.440	I O	|	|	|	6.47
25.250	0.00	1.11	3.432	I O	|	|	|	6.46
25.333	0.00	1.10	3.424	I O	|	|	|	6.45
25.417	0.00	1.09	3.417	I O	|	|	|	6.44
25.500	0.00	1.09	3.409	I O	|	|	|	6.43
25.583	0.00	1.08	3.402	I O	|	|	|	6.42
25.667	0.00	1.07	3.394	I O	|	|	|	6.41
25.750	0.00	1.07	3.387	I O	|	|	|	6.40
25.833	0.00	1.06	3.380	I O	|	|	|	6.39
25.917	0.00	1.05	3.373	I O	|	|	|	6.38
26.000	0.00	1.05	3.365	I O	|	|	|	6.37
26.083	0.00	1.04	3.358	I O	|	|	|	6.36
26.167	0.00	1.03	3.351	I O	|	|	|	6.35
26.250	0.00	1.03	3.344	I O	|	|	|	6.34
26.333	0.00	1.02	3.337	I O	|	|	|	6.33
26.417	0.00	1.01	3.330	I O	|	|	|	6.32
26.500	0.00	1.01	3.323	I O	|	|	|	6.31
26.583	0.00	1.00	3.316	I O	|	|	|	6.30
26.667	0.00	0.99	3.309	I O	|	|	|	6.29
26.750	0.00	0.99	3.302	I O	|	|	|	6.28
26.833	0.00	0.98	3.295	I O	|	|	|	6.27
26.917	0.00	0.98	3.289	I O	|	|	|	6.26
27.000	0.00	0.97	3.282	I O	|	|	|	6.25
27.083	0.00	0.96	3.275	I O	|	|	|	6.24
27.167	0.00	0.96	3.269	I O	|	|	|	6.23
27.250	0.00	0.95	3.262	I O	|	|	|	6.23
27.333	0.00	0.94	3.256	I O	|	|	|	6.22
27.417	0.00	0.94	3.249	I O	|	|	|	6.21
27.500	0.00	0.93	3.243	I O	|	|	|	6.20
27.583	0.00	0.93	3.236	I O	|	|	|	6.19
27.667	0.00	0.92	3.230	I O	|	|	|	6.18
27.750	0.00	0.92	3.224	I O	|	|	|	6.17
27.833	0.00	0.91	3.217	I O	|	|	|	6.16
27.917	0.00	0.90	3.211	I O	|	|	|	6.15
28.000	0.00	0.90	3.205	I O	|	|	|	6.15

28.083	0.00	0.89	3.199	I O	|	|	|	6.14
28.167	0.00	0.89	3.193	I O	|	|	|	6.13
28.250	0.00	0.88	3.187	I O	|	|	|	6.12
28.333	0.00	0.87	3.180	I O	|	|	|	6.11
28.417	0.00	0.87	3.174	I O	|	|	|	6.10
28.500	0.00	0.86	3.169	I O	|	|	|	6.10
28.583	0.00	0.86	3.163	I O	|	|	|	6.09
28.667	0.00	0.85	3.157	I O	|	|	|	6.08
28.750	0.00	0.85	3.151	I O	|	|	|	6.07
28.833	0.00	0.84	3.145	I O	|	|	|	6.06
28.917	0.00	0.84	3.139	I O	|	|	|	6.05
29.000	0.00	0.83	3.133	I O	|	|	|	6.05
29.083	0.00	0.83	3.128	I O	|	|	|	6.04
29.167	0.00	0.82	3.122	I O	|	|	|	6.03
29.250	0.00	0.82	3.116	I O	|	|	|	6.02
29.333	0.00	0.81	3.111	I O	|	|	|	6.02
29.417	0.00	0.80	3.105	I O	|	|	|	6.01
29.500	0.00	0.80	3.100	I O	|	|	|	6.00
29.583	0.00	0.80	3.094	I O	|	|	|	5.99
29.667	0.00	0.80	3.089	I O	|	|	|	5.98
29.750	0.00	0.80	3.083	I O	|	|	|	5.97
29.833	0.00	0.80	3.078	I O	|	|	|	5.97
29.917	0.00	0.80	3.072	I O	|	|	|	5.96
30.000	0.00	0.80	3.067	I O	|	|	|	5.95
30.083	0.00	0.80	3.061	I O	|	|	|	5.94
30.167	0.00	0.80	3.056	I O	|	|	|	5.93
30.250	0.00	0.79	3.050	I O	|	|	|	5.92
30.333	0.00	0.79	3.045	I O	|	|	|	5.92
30.417	0.00	0.79	3.039	I O	|	|	|	5.91
30.500	0.00	0.79	3.034	I O	|	|	|	5.90
30.583	0.00	0.79	3.029	I O	|	|	|	5.89
30.667	0.00	0.79	3.023	I O	|	|	|	5.88
30.750	0.00	0.79	3.018	I O	|	|	|	5.88
30.833	0.00	0.79	3.012	I O	|	|	|	5.87
30.917	0.00	0.79	3.007	I O	|	|	|	5.86
31.000	0.00	0.79	3.001	I O	|	|	|	5.85
31.083	0.00	0.79	2.996	I O	|	|	|	5.84
31.167	0.00	0.79	2.990	I O	|	|	|	5.83
31.250	0.00	0.79	2.985	I O	|	|	|	5.83
31.333	0.00	0.79	2.980	I O	|	|	|	5.82
31.417	0.00	0.79	2.974	I O	|	|	|	5.81
31.500	0.00	0.79	2.969	I O	|	|	|	5.80
31.583	0.00	0.79	2.963	I O	|	|	|	5.79
31.667	0.00	0.78	2.958	I O	|	|	|	5.78
31.750	0.00	0.78	2.952	I O	|	|	|	5.78
31.833	0.00	0.78	2.947	I O	|	|	|	5.77
31.917	0.00	0.78	2.942	I O	|	|	|	5.76
32.000	0.00	0.78	2.936	I O	|	|	|	5.75
32.083	0.00	0.78	2.931	I O	|	|	|	5.74
32.167	0.00	0.78	2.926	I O	|	|	|	5.74
32.250	0.00	0.78	2.920	I O	|	|	|	5.73
32.333	0.00	0.78	2.915	I O	|	|	|	5.72
32.417	0.00	0.78	2.909	I O	|	|	|	5.71
32.500	0.00	0.78	2.904	I O	|	|	|	5.70
32.583	0.00	0.78	2.899	I O	|	|	|	5.69
32.667	0.00	0.78	2.893	I O	|	|	|	5.69
32.750	0.00	0.78	2.888	I O	|	|	|	5.68
32.833	0.00	0.78	2.883	I O	|	|	|	5.67
32.917	0.00	0.78	2.877	I O	|	|	|	5.66
33.000	0.00	0.78	2.872	I O	|	|	|	5.65
33.083	0.00	0.78	2.867	I O	|	|	|	5.65
33.167	0.00	0.77	2.861	I O	|	|	|	5.64
33.250	0.00	0.77	2.856	I O	|	|	|	5.63
33.333	0.00	0.77	2.851	I O	|	|	|	5.62
33.417	0.00	0.77	2.845	I O	|	|	|	5.61
33.500	0.00	0.77	2.840	I O	|	|	|	5.61
33.583	0.00	0.77	2.835	I O	|	|	|	5.60

33.667	0.00	0.77	2.829	I O	|	|	|	| 5.59
33.750	0.00	0.77	2.824	I O	|	|	|	| 5.58
33.833	0.00	0.77	2.819	I O	|	|	|	| 5.57
33.917	0.00	0.77	2.813	I O	|	|	|	| 5.57
34.000	0.00	0.77	2.808	I O	|	|	|	| 5.56
34.083	0.00	0.77	2.803	I O	|	|	|	| 5.55
34.167	0.00	0.77	2.797	I O	|	|	|	| 5.54
34.250	0.00	0.77	2.792	I O	|	|	|	| 5.53
34.333	0.00	0.77	2.787	I O	|	|	|	| 5.53
34.417	0.00	0.77	2.782	I O	|	|	|	| 5.52
34.500	0.00	0.77	2.776	I O	|	|	|	| 5.51
34.583	0.00	0.77	2.771	I O	|	|	|	| 5.50
34.667	0.00	0.76	2.766	I O	|	|	|	| 5.49
34.750	0.00	0.76	2.761	I O	|	|	|	| 5.49
34.833	0.00	0.76	2.755	I O	|	|	|	| 5.48
34.917	0.00	0.76	2.750	I O	|	|	|	| 5.47
35.000	0.00	0.76	2.745	I O	|	|	|	| 5.46
35.083	0.00	0.76	2.740	I O	|	|	|	| 5.45
35.167	0.00	0.76	2.734	I O	|	|	|	| 5.45
35.250	0.00	0.76	2.729	I O	|	|	|	| 5.44
35.333	0.00	0.76	2.724	I O	|	|	|	| 5.43
35.417	0.00	0.76	2.719	I O	|	|	|	| 5.42
35.500	0.00	0.76	2.713	I O	|	|	|	| 5.41
35.583	0.00	0.76	2.708	I O	|	|	|	| 5.41
35.667	0.00	0.76	2.703	I O	|	|	|	| 5.40
35.750	0.00	0.76	2.698	I O	|	|	|	| 5.39
35.833	0.00	0.76	2.692	I O	|	|	|	| 5.38
35.917	0.00	0.76	2.687	I O	|	|	|	| 5.37
36.000	0.00	0.76	2.682	I O	|	|	|	| 5.37
36.083	0.00	0.76	2.677	I O	|	|	|	| 5.36
36.167	0.00	0.75	2.672	I O	|	|	|	| 5.35
36.250	0.00	0.75	2.666	I O	|	|	|	| 5.34
36.333	0.00	0.75	2.661	I O	|	|	|	| 5.34
36.417	0.00	0.75	2.656	I O	|	|	|	| 5.33
36.500	0.00	0.75	2.651	I O	|	|	|	| 5.32
36.583	0.00	0.75	2.646	I O	|	|	|	| 5.31
36.667	0.00	0.75	2.641	I O	|	|	|	| 5.30
36.750	0.00	0.75	2.635	I O	|	|	|	| 5.30
36.833	0.00	0.75	2.630	I O	|	|	|	| 5.29
36.917	0.00	0.75	2.625	I O	|	|	|	| 5.28
37.000	0.00	0.75	2.620	I O	|	|	|	| 5.27
37.083	0.00	0.75	2.615	I O	|	|	|	| 5.26
37.167	0.00	0.75	2.610	I O	|	|	|	| 5.26
37.250	0.00	0.75	2.604	I O	|	|	|	| 5.25
37.333	0.00	0.75	2.599	I O	|	|	|	| 5.24
37.417	0.00	0.75	2.594	I O	|	|	|	| 5.23
37.500	0.00	0.75	2.589	I O	|	|	|	| 5.23
37.583	0.00	0.75	2.584	I O	|	|	|	| 5.22
37.667	0.00	0.74	2.579	I O	|	|	|	| 5.21
37.750	0.00	0.74	2.574	I O	|	|	|	| 5.20
37.833	0.00	0.74	2.568	I O	|	|	|	| 5.19
37.917	0.00	0.74	2.563	I O	|	|	|	| 5.19
38.000	0.00	0.74	2.558	I O	|	|	|	| 5.18
38.083	0.00	0.74	2.553	I O	|	|	|	| 5.17
38.167	0.00	0.74	2.548	I O	|	|	|	| 5.16
38.250	0.00	0.74	2.543	I O	|	|	|	| 5.16
38.333	0.00	0.74	2.538	I O	|	|	|	| 5.15
38.417	0.00	0.74	2.533	I O	|	|	|	| 5.14
38.500	0.00	0.74	2.528	I O	|	|	|	| 5.13
38.583	0.00	0.74	2.523	I O	|	|	|	| 5.13
38.667	0.00	0.74	2.517	I O	|	|	|	| 5.12
38.750	0.00	0.74	2.512	I O	|	|	|	| 5.11
38.833	0.00	0.74	2.507	I O	|	|	|	| 5.10
38.917	0.00	0.74	2.502	I O	|	|	|	| 5.09
39.000	0.00	0.74	2.497	I O	|	|	|	| 5.09
39.083	0.00	0.74	2.492	I O	|	|	|	| 5.08
39.167	0.00	0.73	2.487	I O	|	|	|	| 5.07

39.250	0.00	0.73	2.482	I O	|	|	|	5.06
39.333	0.00	0.73	2.477	I O	|	|	|	5.06
39.417	0.00	0.73	2.472	I O	|	|	|	5.05
39.500	0.00	0.73	2.467	I O	|	|	|	5.04
39.583	0.00	0.73	2.462	I O	|	|	|	5.03
39.667	0.00	0.73	2.457	I O	|	|	|	5.03
39.750	0.00	0.73	2.452	I O	|	|	|	5.02
39.833	0.00	0.73	2.447	I O	|	|	|	5.01
39.917	0.00	0.73	2.442	I O	|	|	|	5.00
40.000	0.00	0.73	2.437	I O	|	|	|	4.99
40.083	0.00	0.73	2.432	I O	|	|	|	4.99
40.167	0.00	0.73	2.427	I O	|	|	|	4.98
40.250	0.00	0.73	2.422	I O	|	|	|	4.97
40.333	0.00	0.73	2.417	I O	|	|	|	4.96
40.417	0.00	0.73	2.412	I O	|	|	|	4.95
40.500	0.00	0.73	2.407	I O	|	|	|	4.94
40.583	0.00	0.72	2.402	I O	|	|	|	4.94
40.667	0.00	0.72	2.397	I O	|	|	|	4.93
40.750	0.00	0.72	2.392	I O	|	|	|	4.92
40.833	0.00	0.72	2.387	I O	|	|	|	4.91
40.917	0.00	0.72	2.382	I O	|	|	|	4.90
41.000	0.00	0.72	2.377	I O	|	|	|	4.89
41.083	0.00	0.72	2.372	I O	|	|	|	4.89
41.167	0.00	0.72	2.367	I O	|	|	|	4.88
41.250	0.00	0.72	2.362	I O	|	|	|	4.87
41.333	0.00	0.72	2.357	I O	|	|	|	4.86
41.417	0.00	0.72	2.352	I O	|	|	|	4.85
41.500	0.00	0.72	2.347	I O	|	|	|	4.84
41.583	0.00	0.72	2.342	I O	|	|	|	4.84
41.667	0.00	0.72	2.337	I O	|	|	|	4.83
41.750	0.00	0.72	2.332	I O	|	|	|	4.82
41.833	0.00	0.71	2.327	I O	|	|	|	4.81
41.917	0.00	0.71	2.322	I O	|	|	|	4.80
42.000	0.00	0.71	2.317	I O	|	|	|	4.80
42.083	0.00	0.71	2.312	I O	|	|	|	4.79
42.167	0.00	0.71	2.307	I O	|	|	|	4.78
42.250	0.00	0.71	2.303	I O	|	|	|	4.77
42.333	0.00	0.71	2.298	I O	|	|	|	4.76
42.417	0.00	0.71	2.293	I O	|	|	|	4.75
42.500	0.00	0.71	2.288	I O	|	|	|	4.75
42.583	0.00	0.71	2.283	I O	|	|	|	4.74
42.667	0.00	0.71	2.278	I O	|	|	|	4.73
42.750	0.00	0.71	2.273	I O	|	|	|	4.72
42.833	0.00	0.71	2.268	I O	|	|	|	4.71
42.917	0.00	0.71	2.264	I O	|	|	|	4.71
43.000	0.00	0.71	2.259	I O	|	|	|	4.70
43.083	0.00	0.71	2.254	I O	|	|	|	4.69
43.167	0.00	0.70	2.249	I O	|	|	|	4.68
43.250	0.00	0.70	2.244	I O	|	|	|	4.67
43.333	0.00	0.70	2.239	I O	|	|	|	4.67
43.417	0.00	0.70	2.234	I O	|	|	|	4.66
43.500	0.00	0.70	2.230	I O	|	|	|	4.65
43.583	0.00	0.70	2.225	I O	|	|	|	4.64
43.667	0.00	0.70	2.220	I O	|	|	|	4.63
43.750	0.00	0.70	2.215	I O	|	|	|	4.63
43.833	0.00	0.70	2.210	I O	|	|	|	4.62
43.917	0.00	0.70	2.205	I O	|	|	|	4.61
44.000	0.00	0.70	2.201	I O	|	|	|	4.60
44.083	0.00	0.70	2.196	I O	|	|	|	4.59
44.167	0.00	0.70	2.191	I O	|	|	|	4.59
44.250	0.00	0.70	2.186	I O	|	|	|	4.58
44.333	0.00	0.70	2.181	I O	|	|	|	4.57
44.417	0.00	0.69	2.177	I O	|	|	|	4.56
44.500	0.00	0.69	2.172	I O	|	|	|	4.55
44.583	0.00	0.69	2.167	I O	|	|	|	4.55
44.667	0.00	0.69	2.162	I O	|	|	|	4.54
44.750	0.00	0.69	2.158	I O	|	|	|	4.53

44.833	0.00	0.69	2.153	I O	|	|	|	4.52
44.917	0.00	0.69	2.148	I O	|	|	|	4.51
45.000	0.00	0.69	2.143	I O	|	|	|	4.51
45.083	0.00	0.69	2.139	I O	|	|	|	4.50
45.167	0.00	0.69	2.134	I O	|	|	|	4.49
45.250	0.00	0.69	2.129	I O	|	|	|	4.48
45.333	0.00	0.69	2.124	I O	|	|	|	4.47
45.417	0.00	0.69	2.120	I O	|	|	|	4.47
45.500	0.00	0.69	2.115	I O	|	|	|	4.46
45.583	0.00	0.69	2.110	I O	|	|	|	4.45
45.667	0.00	0.69	2.105	I O	|	|	|	4.44
45.750	0.00	0.68	2.101	I O	|	|	|	4.43
45.833	0.00	0.68	2.096	I O	|	|	|	4.43
45.917	0.00	0.68	2.091	I O	|	|	|	4.42
46.000	0.00	0.68	2.087	I O	|	|	|	4.41
46.083	0.00	0.68	2.082	I O	|	|	|	4.40
46.167	0.00	0.68	2.077	I O	|	|	|	4.40
46.250	0.00	0.68	2.072	I O	|	|	|	4.39
46.333	0.00	0.68	2.068	I O	|	|	|	4.38
46.417	0.00	0.68	2.063	I O	|	|	|	4.37
46.500	0.00	0.68	2.058	I O	|	|	|	4.36
46.583	0.00	0.68	2.054	I O	|	|	|	4.36
46.667	0.00	0.68	2.049	I O	|	|	|	4.35
46.750	0.00	0.68	2.044	I O	|	|	|	4.34
46.833	0.00	0.68	2.040	I O	|	|	|	4.33
46.917	0.00	0.68	2.035	I O	|	|	|	4.33
47.000	0.00	0.68	2.030	I O	|	|	|	4.32
47.083	0.00	0.67	2.026	I O	|	|	|	4.31
47.167	0.00	0.67	2.021	I O	|	|	|	4.30
47.250	0.00	0.67	2.016	I O	|	|	|	4.29
47.333	0.00	0.67	2.012	I O	|	|	|	4.29
47.417	0.00	0.67	2.007	I O	|	|	|	4.28
47.500	0.00	0.67	2.003	I O	|	|	|	4.27
47.583	0.00	0.67	1.998	I O	|	|	|	4.26
47.667	0.00	0.67	1.993	I O	|	|	|	4.26
47.750	0.00	0.67	1.989	I O	|	|	|	4.25
47.833	0.00	0.67	1.984	I O	|	|	|	4.24
47.917	0.00	0.67	1.979	I O	|	|	|	4.23
48.000	0.00	0.67	1.975	I O	|	|	|	4.22
48.083	0.00	0.67	1.970	I O	|	|	|	4.22
48.167	0.00	0.67	1.966	I O	|	|	|	4.21
48.250	0.00	0.67	1.961	I O	|	|	|	4.20
48.333	0.00	0.67	1.957	I O	|	|	|	4.19
48.417	0.00	0.66	1.952	I O	|	|	|	4.19
48.500	0.00	0.66	1.947	I O	|	|	|	4.18
48.583	0.00	0.66	1.943	I O	|	|	|	4.17
48.667	0.00	0.66	1.938	I O	|	|	|	4.16
48.750	0.00	0.66	1.934	I O	|	|	|	4.16
48.833	0.00	0.66	1.929	I O	|	|	|	4.15
48.917	0.00	0.66	1.925	I O	|	|	|	4.14
49.000	0.00	0.66	1.920	I O	|	|	|	4.13
49.083	0.00	0.66	1.915	I O	|	|	|	4.13
49.167	0.00	0.66	1.911	I O	|	|	|	4.12
49.250	0.00	0.66	1.906	I O	|	|	|	4.11
49.333	0.00	0.66	1.902	I O	|	|	|	4.10
49.417	0.00	0.66	1.897	I O	|	|	|	4.10
49.500	0.00	0.66	1.893	I O	|	|	|	4.09
49.583	0.00	0.66	1.888	I O	|	|	|	4.08
49.667	0.00	0.66	1.884	I O	|	|	|	4.07
49.750	0.00	0.66	1.879	IO	|	|	|	4.07
49.833	0.00	0.65	1.875	IO	|	|	|	4.06
49.917	0.00	0.65	1.870	IO	|	|	|	4.05
50.000	0.00	0.65	1.866	IO	|	|	|	4.04
50.083	0.00	0.65	1.861	IO	|	|	|	4.04
50.167	0.00	0.65	1.857	IO	|	|	|	4.03
50.250	0.00	0.65	1.852	IO	|	|	|	4.02
50.333	0.00	0.65	1.848	IO	|	|	|	4.01

50.417	0.00	0.65	1.843	IO					4.01
50.500	0.00	0.65	1.839	IO					4.00
50.583	0.00	0.65	1.834	IO					3.99
50.667	0.00	0.65	1.830	IO					3.98
50.750	0.00	0.65	1.825	IO					3.97
50.833	0.00	0.65	1.821	IO					3.96
50.917	0.00	0.65	1.816	IO					3.96
51.000	0.00	0.64	1.812	IO					3.95
51.083	0.00	0.64	1.808	IO					3.94
51.167	0.00	0.64	1.803	IO					3.93
51.250	0.00	0.64	1.799	IO					3.92
51.333	0.00	0.64	1.794	IO					3.92
51.417	0.00	0.64	1.790	IO					3.91
51.500	0.00	0.64	1.785	IO					3.90
51.583	0.00	0.64	1.781	IO					3.89
51.667	0.00	0.64	1.777	IO					3.88
51.750	0.00	0.64	1.772	IO					3.87
51.833	0.00	0.64	1.768	IO					3.87
51.917	0.00	0.64	1.764	IO					3.86
52.000	0.00	0.64	1.759	IO					3.85
52.083	0.00	0.63	1.755	IO					3.84
52.167	0.00	0.63	1.750	IO					3.83
52.250	0.00	0.63	1.746	IO					3.83
52.333	0.00	0.63	1.742	IO					3.82
52.417	0.00	0.63	1.737	IO					3.81
52.500	0.00	0.63	1.733	IO					3.80
52.583	0.00	0.63	1.729	IO					3.79
52.667	0.00	0.63	1.724	IO					3.79
52.750	0.00	0.63	1.720	IO					3.78
52.833	0.00	0.63	1.716	IO					3.77
52.917	0.00	0.63	1.711	IO					3.76
53.000	0.00	0.63	1.707	IO					3.75
53.083	0.00	0.62	1.703	IO					3.75
53.167	0.00	0.62	1.698	IO					3.74
53.250	0.00	0.62	1.694	IO					3.73
53.333	0.00	0.62	1.690	IO					3.72
53.417	0.00	0.62	1.686	IO					3.71
53.500	0.00	0.62	1.681	IO					3.71
53.583	0.00	0.62	1.677	IO					3.70
53.667	0.00	0.62	1.673	IO					3.69
53.750	0.00	0.62	1.669	IO					3.68
53.833	0.00	0.62	1.664	IO					3.67
53.917	0.00	0.62	1.660	IO					3.67
54.000	0.00	0.62	1.656	IO					3.66
54.083	0.00	0.62	1.652	IO					3.65
54.167	0.00	0.61	1.647	IO					3.64
54.250	0.00	0.61	1.643	IO					3.64
54.333	0.00	0.61	1.639	IO					3.63
54.417	0.00	0.61	1.635	IO					3.62
54.500	0.00	0.61	1.630	IO					3.61
54.583	0.00	0.61	1.626	IO					3.60
54.667	0.00	0.61	1.622	IO					3.60
54.750	0.00	0.61	1.618	IO					3.59
54.833	0.00	0.61	1.614	IO					3.58
54.917	0.00	0.61	1.609	IO					3.57
55.000	0.00	0.61	1.605	IO					3.57
55.083	0.00	0.61	1.601	IO					3.56
55.167	0.00	0.60	1.597	IO					3.55
55.250	0.00	0.60	1.593	IO					3.54
55.333	0.00	0.60	1.589	IO					3.53
55.417	0.00	0.60	1.584	IO					3.53
55.500	0.00	0.60	1.580	IO					3.52
55.583	0.00	0.60	1.576	IO					3.51
55.667	0.00	0.60	1.572	IO					3.50
55.750	0.00	0.60	1.568	IO					3.50
55.833	0.00	0.60	1.564	IO					3.49
55.917	0.00	0.60	1.560	IO					3.48

56.000	0.00	0.60	1.556	IO					3.47
56.083	0.00	0.60	1.551	IO					3.47
56.167	0.00	0.60	1.547	IO					3.46
56.250	0.00	0.60	1.543	IO					3.45
56.333	0.00	0.59	1.539	IO					3.44
56.417	0.00	0.59	1.535	IO					3.44
56.500	0.00	0.59	1.531	IO					3.43
56.583	0.00	0.59	1.527	IO					3.42
56.667	0.00	0.59	1.523	IO					3.41
56.750	0.00	0.59	1.519	IO					3.40
56.833	0.00	0.59	1.515	IO					3.40
56.917	0.00	0.59	1.511	IO					3.39
57.000	0.00	0.59	1.507	IO					3.38
57.083	0.00	0.59	1.502	IO					3.37
57.167	0.00	0.59	1.498	IO					3.37
57.250	0.00	0.59	1.494	IO					3.36
57.333	0.00	0.59	1.490	IO					3.35
57.417	0.00	0.58	1.486	IO					3.35
57.500	0.00	0.58	1.482	IO					3.34
57.583	0.00	0.58	1.478	IO					3.33
57.667	0.00	0.58	1.474	IO					3.32
57.750	0.00	0.58	1.470	IO					3.32
57.833	0.00	0.58	1.466	IO					3.31
57.917	0.00	0.58	1.462	IO					3.30
58.000	0.00	0.58	1.458	IO					3.29
58.083	0.00	0.58	1.454	IO					3.29
58.167	0.00	0.58	1.450	IO					3.28
58.250	0.00	0.58	1.446	IO					3.27
58.333	0.00	0.58	1.442	IO					3.26
58.417	0.00	0.58	1.438	IO					3.26
58.500	0.00	0.57	1.434	IO					3.25
58.583	0.00	0.57	1.430	IO					3.24
58.667	0.00	0.57	1.427	IO					3.23
58.750	0.00	0.57	1.423	IO					3.23
58.833	0.00	0.57	1.419	IO					3.22
58.917	0.00	0.57	1.415	IO					3.21
59.000	0.00	0.57	1.411	IO					3.21
59.083	0.00	0.57	1.407	IO					3.20
59.167	0.00	0.57	1.403	IO					3.19
59.250	0.00	0.57	1.399	IO					3.18
59.333	0.00	0.57	1.395	IO					3.18
59.417	0.00	0.57	1.391	IO					3.17
59.500	0.00	0.57	1.387	IO					3.16
59.583	0.00	0.57	1.383	IO					3.15
59.667	0.00	0.56	1.379	IO					3.15
59.750	0.00	0.56	1.376	IO					3.14
59.833	0.00	0.56	1.372	IO					3.13
59.917	0.00	0.56	1.368	IO					3.13
60.000	0.00	0.56	1.364	IO					3.12
60.083	0.00	0.56	1.360	IO					3.11
60.167	0.00	0.56	1.356	IO					3.10
60.250	0.00	0.56	1.352	IO					3.10
60.333	0.00	0.56	1.349	IO					3.09
60.417	0.00	0.56	1.345	IO					3.08
60.500	0.00	0.56	1.341	IO					3.08
60.583	0.00	0.56	1.337	IO					3.07
60.667	0.00	0.56	1.333	IO					3.06
60.750	0.00	0.56	1.329	IO					3.05
60.833	0.00	0.55	1.326	IO					3.05
60.917	0.00	0.55	1.322	IO					3.04
61.000	0.00	0.55	1.318	IO					3.03
61.083	0.00	0.55	1.314	IO					3.03
61.167	0.00	0.55	1.310	IO					3.02
61.250	0.00	0.55	1.306	IO					3.01
61.333	0.00	0.55	1.303	IO					3.00
61.417	0.00	0.55	1.299	IO					3.00
61.500	0.00	0.55	1.295	IO					2.99

61.583	0.00	0.55	1.291	IO					2.98
61.667	0.00	0.55	1.288	IO					2.97
61.750	0.00	0.55	1.284	IO					2.97
61.833	0.00	0.55	1.280	IO					2.96
61.917	0.00	0.54	1.276	IO					2.95
62.000	0.00	0.54	1.273	IO					2.94
62.083	0.00	0.54	1.269	IO					2.94
62.167	0.00	0.54	1.265	IO					2.93
62.250	0.00	0.54	1.261	IO					2.92
62.333	0.00	0.54	1.258	IO					2.91
62.417	0.00	0.54	1.254	IO					2.91
62.500	0.00	0.54	1.250	IO					2.90
62.583	0.00	0.54	1.246	IO					2.89
62.667	0.00	0.54	1.243	IO					2.88
62.750	0.00	0.54	1.239	IO					2.88
62.833	0.00	0.54	1.235	IO					2.87
62.917	0.00	0.53	1.232	IO					2.86
63.000	0.00	0.53	1.228	IO					2.85
63.083	0.00	0.53	1.224	IO					2.85
63.167	0.00	0.53	1.221	IO					2.84
63.250	0.00	0.53	1.217	IO					2.83
63.333	0.00	0.53	1.213	IO					2.82
63.417	0.00	0.53	1.210	IO					2.82
63.500	0.00	0.53	1.206	IO					2.81
63.583	0.00	0.53	1.202	IO					2.80
63.667	0.00	0.53	1.199	IO					2.79
63.750	0.00	0.53	1.195	IO					2.79
63.833	0.00	0.53	1.192	IO					2.78
63.917	0.00	0.52	1.188	IO					2.77
64.000	0.00	0.52	1.184	IO					2.76
64.083	0.00	0.52	1.181	IO					2.76
64.167	0.00	0.52	1.177	IO					2.75
64.250	0.00	0.52	1.173	IO					2.74
64.333	0.00	0.52	1.170	IO					2.73
64.417	0.00	0.52	1.166	IO					2.73
64.500	0.00	0.52	1.163	IO					2.72
64.583	0.00	0.52	1.159	IO					2.71
64.667	0.00	0.52	1.156	IO					2.71
64.750	0.00	0.52	1.152	IO					2.70
64.833	0.00	0.52	1.148	IO					2.69
64.917	0.00	0.52	1.145	IO					2.68
65.000	0.00	0.51	1.141	IO					2.68
65.083	0.00	0.51	1.138	IO					2.67
65.167	0.00	0.51	1.134	IO					2.66
65.250	0.00	0.51	1.131	IO					2.65
65.333	0.00	0.51	1.127	IO					2.65
65.417	0.00	0.51	1.124	IO					2.64
65.500	0.00	0.51	1.120	IO					2.63
65.583	0.00	0.51	1.117	IO					2.63
65.667	0.00	0.51	1.113	IO					2.62
65.750	0.00	0.51	1.110	IO					2.61
65.833	0.00	0.51	1.106	IO					2.60
65.917	0.00	0.51	1.103	IO					2.60
66.000	0.00	0.50	1.099	IO					2.59
66.083	0.00	0.50	1.096	IO					2.58
66.167	0.00	0.50	1.092	IO					2.58
66.250	0.00	0.50	1.089	IO					2.57
66.333	0.00	0.50	1.085	IO					2.56
66.417	0.00	0.50	1.082	IO					2.55
66.500	0.00	0.50	1.078	IO					2.55
66.583	0.00	0.50	1.075	IO					2.54
66.667	0.00	0.50	1.072	IO					2.53
66.750	0.00	0.50	1.068	IO					2.53
66.833	0.00	0.50	1.065	IO					2.52
66.917	0.00	0.50	1.061	IO					2.51
67.000	0.00	0.50	1.058	IO					2.51
67.083	0.00	0.49	1.055	IO					2.50

67.167	0.00	0.49	1.051	IO				2.49
67.250	0.00	0.49	1.048	IO				2.49
67.333	0.00	0.49	1.044	IO				2.48
67.417	0.00	0.49	1.041	IO				2.47
67.500	0.00	0.49	1.038	IO				2.46
67.583	0.00	0.49	1.034	IO				2.46
67.667	0.00	0.49	1.031	IO				2.45
67.750	0.00	0.49	1.027	IO				2.44
67.833	0.00	0.49	1.024	IO				2.44
67.917	0.00	0.49	1.021	IO				2.43
68.000	0.00	0.49	1.017	IO				2.42
68.083	0.00	0.49	1.014	IO				2.42
68.167	0.00	0.49	1.011	IO				2.41
68.250	0.00	0.48	1.007	IO				2.40
68.333	0.00	0.48	1.004	IO				2.40
68.417	0.00	0.48	1.001	IO				2.39
68.500	0.00	0.48	0.997	IO				2.38
68.583	0.00	0.48	0.994	IO				2.38
68.667	0.00	0.48	0.991	IO				2.37
68.750	0.00	0.48	0.987	IO				2.36
68.833	0.00	0.48	0.984	IO				2.36
68.917	0.00	0.48	0.981	IO				2.35
69.000	0.00	0.48	0.977	IO				2.34
69.083	0.00	0.48	0.974	IO				2.34
69.167	0.00	0.48	0.971	IO				2.33
69.250	0.00	0.48	0.968	IO				2.32
69.333	0.00	0.47	0.964	IO				2.32
69.417	0.00	0.47	0.961	IO				2.31
69.500	0.00	0.47	0.958	IO				2.30
69.583	0.00	0.47	0.955	IO				2.30
69.667	0.00	0.47	0.951	IO				2.29
69.750	0.00	0.47	0.948	IO				2.28
69.833	0.00	0.47	0.945	IO				2.28
69.917	0.00	0.47	0.942	IO				2.27
70.000	0.00	0.47	0.938	IO				2.26
70.083	0.00	0.47	0.935	IO				2.26
70.167	0.00	0.47	0.932	IO				2.25
70.250	0.00	0.47	0.929	IO				2.24
70.333	0.00	0.47	0.926	IO				2.24
70.417	0.00	0.47	0.922	IO				2.23
70.500	0.00	0.46	0.919	IO				2.22
70.583	0.00	0.46	0.916	IO				2.22
70.667	0.00	0.46	0.913	IO				2.21
70.750	0.00	0.46	0.910	IO				2.20
70.833	0.00	0.46	0.906	IO				2.20
70.917	0.00	0.46	0.903	IO				2.19
71.000	0.00	0.46	0.900	IO				2.18
71.083	0.00	0.46	0.897	IO				2.18
71.167	0.00	0.46	0.894	IO				2.17
71.250	0.00	0.46	0.891	IO				2.16
71.333	0.00	0.46	0.887	IO				2.16
71.417	0.00	0.46	0.884	IO				2.15
71.500	0.00	0.46	0.881	IO				2.15
71.583	0.00	0.46	0.878	IO				2.14
71.667	0.00	0.45	0.875	IO				2.13
71.750	0.00	0.45	0.872	IO				2.13
71.833	0.00	0.45	0.869	IO				2.12
71.917	0.00	0.45	0.865	IO				2.11
72.000	0.00	0.45	0.862	IO				2.11
72.083	0.00	0.45	0.859	IO				2.10
72.167	0.00	0.45	0.856	IO				2.09
72.250	0.00	0.45	0.853	IO				2.09
72.333	0.00	0.45	0.850	IO				2.08
72.417	0.00	0.45	0.847	IO				2.08
72.500	0.00	0.45	0.844	IO				2.07
72.583	0.00	0.45	0.841	IO				2.06
72.667	0.00	0.45	0.838	IO				2.06

72.750	0.00	0.45	0.835	IO				2.05
72.833	0.00	0.44	0.831	IO				2.04
72.917	0.00	0.44	0.828	IO				2.04
73.000	0.00	0.44	0.825	IO				2.03
73.083	0.00	0.44	0.822	IO				2.03
73.167	0.00	0.44	0.819	IO				2.02
73.250	0.00	0.44	0.816	IO				2.01
73.333	0.00	0.44	0.813	IO				2.01
73.417	0.00	0.44	0.810	IO				2.00
73.500	0.00	0.44	0.807	IO				1.99
73.583	0.00	0.44	0.804	IO				1.99
73.667	0.00	0.44	0.801	IO				1.98
73.750	0.00	0.44	0.798	IO				1.97
73.833	0.00	0.43	0.795	IO				1.97
73.917	0.00	0.43	0.792	IO				1.96
74.000	0.00	0.43	0.789	IO				1.95
74.083	0.00	0.43	0.786	IO				1.94
74.167	0.00	0.43	0.783	IO				1.94
74.250	0.00	0.43	0.780	IO				1.93
74.333	0.00	0.43	0.777	IO				1.92
74.417	0.00	0.43	0.774	IO				1.92
74.500	0.00	0.43	0.771	IO				1.91
74.583	0.00	0.43	0.768	IO				1.90
74.667	0.00	0.42	0.765	IO				1.90
74.750	0.00	0.42	0.763	IO				1.89
74.833	0.00	0.42	0.760	IO				1.88
74.917	0.00	0.42	0.757	IO				1.88
75.000	0.00	0.42	0.754	IO				1.87
75.083	0.00	0.42	0.751	IO				1.86
75.167	0.00	0.42	0.748	IO				1.86
75.250	0.00	0.42	0.745	IO				1.85
75.333	0.00	0.42	0.742	IO				1.84
75.417	0.00	0.42	0.739	IO				1.84
75.500	0.00	0.41	0.737	IO				1.83
75.583	0.00	0.41	0.734	IO				1.82
75.667	0.00	0.41	0.731	IO				1.82
75.750	0.00	0.41	0.728	IO				1.81
75.833	0.00	0.41	0.725	IO				1.80
75.917	0.00	0.41	0.722	IO				1.80
76.000	0.00	0.41	0.720	IO				1.79
76.083	0.00	0.41	0.717	IO				1.78
76.167	0.00	0.41	0.714	IO				1.78
76.250	0.00	0.41	0.711	IO				1.77
76.333	0.00	0.40	0.708	IO				1.76
76.417	0.00	0.40	0.706	IO				1.76
76.500	0.00	0.40	0.703	IO				1.75
76.583	0.00	0.40	0.700	IO				1.74
76.667	0.00	0.40	0.697	IO				1.74
76.750	0.00	0.40	0.695	IO				1.73
76.833	0.00	0.40	0.692	IO				1.73
76.917	0.00	0.40	0.689	IO				1.72
77.000	0.00	0.40	0.686	IO				1.71
77.083	0.00	0.40	0.684	IO				1.71
77.167	0.00	0.39	0.681	IO				1.70
77.250	0.00	0.39	0.678	IO				1.69
77.333	0.00	0.39	0.675	IO				1.69
77.417	0.00	0.39	0.673	IO				1.68
77.500	0.00	0.39	0.670	IO				1.67
77.583	0.00	0.39	0.667	IO				1.67
77.667	0.00	0.39	0.665	IO				1.66
77.750	0.00	0.39	0.662	IO				1.66
77.833	0.00	0.39	0.659	IO				1.65
77.917	0.00	0.39	0.657	IO				1.64
78.000	0.00	0.39	0.654	IO				1.64
78.083	0.00	0.38	0.651	IO				1.63
78.167	0.00	0.38	0.649	IO				1.62
78.250	0.00	0.38	0.646	IO				1.62

78.333	0.00	0.38	0.643	IO				1.61
78.417	0.00	0.38	0.641	IO				1.61
78.500	0.00	0.38	0.638	IO				1.60
78.583	0.00	0.38	0.636	IO				1.59
78.667	0.00	0.38	0.633	IO				1.59
78.750	0.00	0.38	0.630	IO				1.58
78.833	0.00	0.38	0.628	IO				1.58
78.917	0.00	0.38	0.625	IO				1.57
79.000	0.00	0.37	0.623	IO				1.56
79.083	0.00	0.37	0.620	IO				1.56
79.167	0.00	0.37	0.617	IO				1.55
79.250	0.00	0.37	0.615	IO				1.55
79.333	0.00	0.37	0.612	IO				1.54
79.417	0.00	0.37	0.610	IO				1.53
79.500	0.00	0.37	0.607	IO				1.53
79.583	0.00	0.37	0.605	IO				1.52
79.667	0.00	0.37	0.602	IO				1.52
79.750	0.00	0.37	0.600	IO				1.51
79.833	0.00	0.37	0.597	IO				1.50
79.917	0.00	0.36	0.595	IO				1.50
80.000	0.00	0.36	0.592	IO				1.49
80.083	0.00	0.36	0.590	IO				1.49
80.167	0.00	0.36	0.587	IO				1.48
80.250	0.00	0.36	0.585	IO				1.48
80.333	0.00	0.36	0.582	IO				1.47
80.417	0.00	0.36	0.580	IO				1.46
80.500	0.00	0.36	0.577	IO				1.46
80.583	0.00	0.36	0.575	IO				1.45
80.667	0.00	0.36	0.572	IO				1.45
80.750	0.00	0.36	0.570	IO				1.44
80.833	0.00	0.36	0.567	IO				1.44
80.917	0.00	0.35	0.565	IO				1.43
81.000	0.00	0.35	0.562	IO				1.42
81.083	0.00	0.35	0.560	IO				1.42
81.167	0.00	0.35	0.558	IO				1.41
81.250	0.00	0.35	0.555	IO				1.41
81.333	0.00	0.35	0.553	IO				1.40
81.417	0.00	0.35	0.550	IO				1.40
81.500	0.00	0.35	0.548	IO				1.39
81.583	0.00	0.35	0.545	IO				1.38
81.667	0.00	0.35	0.543	IO				1.38
81.750	0.00	0.35	0.541	IO				1.37
81.833	0.00	0.35	0.538	IO				1.37
81.917	0.00	0.34	0.536	IO				1.36
82.000	0.00	0.34	0.534	IO				1.36
82.083	0.00	0.34	0.531	IO				1.35
82.167	0.00	0.34	0.529	IO				1.35
82.250	0.00	0.34	0.527	IO				1.34
82.333	0.00	0.34	0.524	IO				1.34
82.417	0.00	0.34	0.522	IO				1.33
82.500	0.00	0.34	0.519	IO				1.32
82.583	0.00	0.34	0.517	IO				1.32
82.667	0.00	0.34	0.515	IO				1.31
82.750	0.00	0.34	0.513	IO				1.31
82.833	0.00	0.34	0.510	IO				1.30
82.917	0.00	0.33	0.508	IO				1.30
83.000	0.00	0.33	0.506	IO				1.29
83.083	0.00	0.33	0.503	IO				1.29
83.167	0.00	0.33	0.501	IO				1.28
83.250	0.00	0.33	0.499	IO				1.28
83.333	0.00	0.33	0.496	IO				1.27
83.417	0.00	0.33	0.494	IO				1.27
83.500	0.00	0.33	0.492	IO				1.26
83.583	0.00	0.33	0.490	IO				1.25
83.667	0.00	0.33	0.487	O				1.25
83.750	0.00	0.33	0.485	O				1.24
83.833	0.00	0.33	0.483	O				1.24

83.917	0.00	0.33	0.481	O	|	|	|	|	1.23
84.000	0.00	0.32	0.478	O	|	|	|	|	1.23
84.083	0.00	0.32	0.476	O	|	|	|	|	1.22
84.167	0.00	0.32	0.474	O	|	|	|	|	1.22
84.250	0.00	0.32	0.472	O	|	|	|	|	1.21
84.333	0.00	0.32	0.470	O	|	|	|	|	1.21
84.417	0.00	0.32	0.467	O	|	|	|	|	1.20
84.500	0.00	0.32	0.465	O	|	|	|	|	1.20
84.583	0.00	0.32	0.463	O	|	|	|	|	1.19
84.667	0.00	0.32	0.461	O	|	|	|	|	1.19
84.750	0.00	0.32	0.459	O	|	|	|	|	1.18
84.833	0.00	0.32	0.456	O	|	|	|	|	1.18
84.917	0.00	0.32	0.454	O	|	|	|	|	1.17
85.000	0.00	0.32	0.452	O	|	|	|	|	1.17
85.083	0.00	0.31	0.450	O	|	|	|	|	1.16
85.167	0.00	0.31	0.448	O	|	|	|	|	1.16
85.250	0.00	0.31	0.445	O	|	|	|	|	1.15
85.333	0.00	0.31	0.443	O	|	|	|	|	1.15
85.417	0.00	0.31	0.441	O	|	|	|	|	1.14
85.500	0.00	0.31	0.439	O	|	|	|	|	1.14
85.583	0.00	0.31	0.437	O	|	|	|	|	1.13
85.667	0.00	0.31	0.435	O	|	|	|	|	1.13
85.750	0.00	0.31	0.433	O	|	|	|	|	1.12
85.833	0.00	0.31	0.431	O	|	|	|	|	1.12
85.917	0.00	0.31	0.428	O	|	|	|	|	1.11
86.000	0.00	0.31	0.426	O	|	|	|	|	1.11
86.083	0.00	0.31	0.424	O	|	|	|	|	1.10
86.167	0.00	0.30	0.422	O	|	|	|	|	1.10
86.250	0.00	0.30	0.420	O	|	|	|	|	1.09
86.333	0.00	0.30	0.418	O	|	|	|	|	1.09
86.417	0.00	0.30	0.416	O	|	|	|	|	1.08
86.500	0.00	0.30	0.414	O	|	|	|	|	1.08
86.583	0.00	0.30	0.412	O	|	|	|	|	1.07
86.667	0.00	0.30	0.410	O	|	|	|	|	1.07
86.750	0.00	0.30	0.408	O	|	|	|	|	1.06
86.833	0.00	0.30	0.405	O	|	|	|	|	1.06
86.917	0.00	0.30	0.403	O	|	|	|	|	1.05
87.000	0.00	0.30	0.401	O	|	|	|	|	1.05
87.083	0.00	0.30	0.399	O	|	|	|	|	1.04
87.167	0.00	0.30	0.397	O	|	|	|	|	1.04
87.250	0.00	0.30	0.395	O	|	|	|	|	1.04
87.333	0.00	0.29	0.393	O	|	|	|	|	1.03
87.417	0.00	0.29	0.391	O	|	|	|	|	1.03
87.500	0.00	0.29	0.389	O	|	|	|	|	1.02
87.583	0.00	0.29	0.387	O	|	|	|	|	1.02
87.667	0.00	0.29	0.385	O	|	|	|	|	1.01
87.750	0.00	0.29	0.383	O	|	|	|	|	1.01
87.833	0.00	0.29	0.381	O	|	|	|	|	1.00
87.917	0.00	0.29	0.379	O	|	|	|	|	1.00
88.000	0.00	0.29	0.377	O	|	|	|	|	0.99
88.083	0.00	0.29	0.375	O	|	|	|	|	0.99
88.167	0.00	0.28	0.373	O	|	|	|	|	0.98
88.250	0.00	0.28	0.371	O	|	|	|	|	0.98
88.333	0.00	0.28	0.369	O	|	|	|	|	0.97
88.417	0.00	0.28	0.367	O	|	|	|	|	0.97
88.500	0.00	0.28	0.365	O	|	|	|	|	0.96
88.583	0.00	0.28	0.364	O	|	|	|	|	0.96
88.667	0.00	0.28	0.362	O	|	|	|	|	0.95
88.750	0.00	0.27	0.360	O	|	|	|	|	0.95
88.833	0.00	0.27	0.358	O	|	|	|	|	0.94
88.917	0.00	0.27	0.356	O	|	|	|	|	0.94
89.000	0.00	0.27	0.354	O	|	|	|	|	0.93
89.083	0.00	0.27	0.352	O	|	|	|	|	0.93
89.167	0.00	0.27	0.350	O	|	|	|	|	0.92
89.250	0.00	0.27	0.349	O	|	|	|	|	0.92
89.333	0.00	0.26	0.347	O	|	|	|	|	0.91
89.417	0.00	0.26	0.345	O	|	|	|	|	0.91

89.500	0.00	0.26	0.343	O	|	|	|	0.90
89.583	0.00	0.26	0.341	O	|	|	|	0.90
89.667	0.00	0.26	0.340	O	|	|	|	0.89
89.750	0.00	0.26	0.338	O	|	|	|	0.89
89.833	0.00	0.26	0.336	O	|	|	|	0.88
89.917	0.00	0.26	0.334	O	|	|	|	0.88
90.000	0.00	0.25	0.332	O	|	|	|	0.87
90.083	0.00	0.25	0.331	O	|	|	|	0.87
90.167	0.00	0.25	0.329	O	|	|	|	0.87
90.250	0.00	0.25	0.327	O	|	|	|	0.86
90.333	0.00	0.25	0.326	O	|	|	|	0.86
90.417	0.00	0.25	0.324	O	|	|	|	0.85
90.500	0.00	0.25	0.322	O	|	|	|	0.85
90.583	0.00	0.24	0.320	O	|	|	|	0.84
90.667	0.00	0.24	0.319	O	|	|	|	0.84
90.750	0.00	0.24	0.317	O	|	|	|	0.83
90.833	0.00	0.24	0.315	O	|	|	|	0.83
90.917	0.00	0.24	0.314	O	|	|	|	0.83
91.000	0.00	0.24	0.312	O	|	|	|	0.82
91.083	0.00	0.24	0.310	O	|	|	|	0.82
91.167	0.00	0.24	0.309	O	|	|	|	0.81
91.250	0.00	0.23	0.307	O	|	|	|	0.81
91.333	0.00	0.23	0.306	O	|	|	|	0.80
91.417	0.00	0.23	0.304	O	|	|	|	0.80
91.500	0.00	0.23	0.302	O	|	|	|	0.80
91.583	0.00	0.23	0.301	O	|	|	|	0.79
91.667	0.00	0.23	0.299	O	|	|	|	0.79
91.750	0.00	0.23	0.298	O	|	|	|	0.78
91.833	0.00	0.23	0.296	O	|	|	|	0.78
91.917	0.00	0.22	0.295	O	|	|	|	0.78
92.000	0.00	0.22	0.293	O	|	|	|	0.77
92.083	0.00	0.22	0.292	O	|	|	|	0.77
92.167	0.00	0.22	0.290	O	|	|	|	0.76
92.250	0.00	0.22	0.288	O	|	|	|	0.76
92.333	0.00	0.22	0.287	O	|	|	|	0.76
92.417	0.00	0.22	0.285	O	|	|	|	0.75
92.500	0.00	0.22	0.284	O	|	|	|	0.75
92.583	0.00	0.22	0.282	O	|	|	|	0.74
92.667	0.00	0.21	0.281	O	|	|	|	0.74
92.750	0.00	0.21	0.280	O	|	|	|	0.74
92.833	0.00	0.21	0.278	O	|	|	|	0.73
92.917	0.00	0.21	0.277	O	|	|	|	0.73
93.000	0.00	0.21	0.275	O	|	|	|	0.72
93.083	0.00	0.21	0.274	O	|	|	|	0.72
93.167	0.00	0.21	0.272	O	|	|	|	0.72
93.250	0.00	0.21	0.271	O	|	|	|	0.71
93.333	0.00	0.21	0.269	O	|	|	|	0.71
93.417	0.00	0.20	0.268	O	|	|	|	0.71
93.500	0.00	0.20	0.267	O	|	|	|	0.70
93.583	0.00	0.20	0.265	O	|	|	|	0.70
93.667	0.00	0.20	0.264	O	|	|	|	0.69
93.750	0.00	0.20	0.262	O	|	|	|	0.69
93.833	0.00	0.20	0.261	O	|	|	|	0.69
93.917	0.00	0.20	0.260	O	|	|	|	0.68
94.000	0.00	0.20	0.258	O	|	|	|	0.68
94.083	0.00	0.20	0.257	O	|	|	|	0.68
94.167	0.00	0.20	0.256	O	|	|	|	0.67
94.250	0.00	0.19	0.254	O	|	|	|	0.67
94.333	0.00	0.19	0.253	O	|	|	|	0.67
94.417	0.00	0.19	0.252	O	|	|	|	0.66
94.500	0.00	0.19	0.250	O	|	|	|	0.66
94.583	0.00	0.19	0.249	O	|	|	|	0.66
94.667	0.00	0.19	0.248	O	|	|	|	0.65
94.750	0.00	0.19	0.246	O	|	|	|	0.65
94.833	0.00	0.19	0.245	O	|	|	|	0.64
94.917	0.00	0.19	0.244	O	|	|	|	0.64
95.000	0.00	0.19	0.243	O	|	|	|	0.64

95.083	0.00	0.18	0.241	O	|	|	|	0.63
95.167	0.00	0.18	0.240	O	|	|	|	0.63
95.250	0.00	0.18	0.239	O	|	|	|	0.63
95.333	0.00	0.18	0.237	O	|	|	|	0.62
95.417	0.00	0.18	0.236	O	|	|	|	0.62
95.500	0.00	0.18	0.235	O	|	|	|	0.62
95.583	0.00	0.18	0.234	O	|	|	|	0.62
95.667	0.00	0.18	0.233	O	|	|	|	0.61
95.750	0.00	0.18	0.231	O	|	|	|	0.61
95.833	0.00	0.18	0.230	O	|	|	|	0.61
95.917	0.00	0.17	0.229	O	|	|	|	0.60
96.000	0.00	0.17	0.228	O	|	|	|	0.60
96.083	0.00	0.17	0.227	O	|	|	|	0.60
96.167	0.00	0.17	0.225	O	|	|	|	0.59
96.250	0.00	0.17	0.224	O	|	|	|	0.59
96.333	0.00	0.17	0.223	O	|	|	|	0.59
96.417	0.00	0.17	0.222	O	|	|	|	0.58
96.500	0.00	0.17	0.221	O	|	|	|	0.58
96.583	0.00	0.17	0.219	O	|	|	|	0.58
96.667	0.00	0.17	0.218	O	|	|	|	0.57
96.750	0.00	0.17	0.217	O	|	|	|	0.57
96.833	0.00	0.16	0.216	O	|	|	|	0.57
96.917	0.00	0.16	0.215	O	|	|	|	0.57
97.000	0.00	0.16	0.214	O	|	|	|	0.56
97.083	0.00	0.16	0.213	O	|	|	|	0.56
97.167	0.00	0.16	0.212	O	|	|	|	0.56
97.250	0.00	0.16	0.210	O	|	|	|	0.55
97.333	0.00	0.16	0.209	O	|	|	|	0.55
97.417	0.00	0.16	0.208	O	|	|	|	0.55
97.500	0.00	0.16	0.207	O	|	|	|	0.55
97.583	0.00	0.16	0.206	O	|	|	|	0.54
97.667	0.00	0.16	0.205	O	|	|	|	0.54
97.750	0.00	0.16	0.204	O	|	|	|	0.54
97.833	0.00	0.15	0.203	O	|	|	|	0.53
97.917	0.00	0.15	0.202	O	|	|	|	0.53
98.000	0.00	0.15	0.201	O	|	|	|	0.53
98.083	0.00	0.15	0.200	O	|	|	|	0.53
98.167	0.00	0.15	0.199	O	|	|	|	0.52
98.250	0.00	0.15	0.198	O	|	|	|	0.52
98.333	0.00	0.15	0.197	O	|	|	|	0.52
98.417	0.00	0.15	0.196	O	|	|	|	0.51
98.500	0.00	0.15	0.194	O	|	|	|	0.51
98.583	0.00	0.15	0.193	O	|	|	|	0.51
98.667	0.00	0.15	0.192	O	|	|	|	0.51
98.750	0.00	0.15	0.191	O	|	|	|	0.50
98.833	0.00	0.15	0.190	O	|	|	|	0.50
98.917	0.00	0.14	0.189	O	|	|	|	0.50
99.000	0.00	0.14	0.188	O	|	|	|	0.50
99.083	0.00	0.14	0.187	O	|	|	|	0.49
99.167	0.00	0.14	0.186	O	|	|	|	0.49
99.250	0.00	0.14	0.186	O	|	|	|	0.49
99.333	0.00	0.14	0.185	O	|	|	|	0.49
99.417	0.00	0.14	0.184	O	|	|	|	0.48
99.500	0.00	0.14	0.183	O	|	|	|	0.48
99.583	0.00	0.14	0.182	O	|	|	|	0.48
99.667	0.00	0.14	0.181	O	|	|	|	0.48
99.750	0.00	0.14	0.180	O	|	|	|	0.47
99.833	0.00	0.14	0.179	O	|	|	|	0.47
99.917	0.00	0.14	0.178	O	|	|	|	0.47
100.000	0.00	0.14	0.177	O	|	|	|	0.47
100.083	0.00	0.13	0.176	O	|	|	|	0.46
100.167	0.00	0.13	0.175	O	|	|	|	0.46
100.250	0.00	0.13	0.174	O	|	|	|	0.46
100.333	0.00	0.13	0.173	O	|	|	|	0.46
100.417	0.00	0.13	0.172	O	|	|	|	0.45
100.500	0.00	0.13	0.171	O	|	|	|	0.45
100.583	0.00	0.13	0.171	O	|	|	|	0.45

100.667	0.00	0.13	0.170	O	|	|	|	|	0.45
100.750	0.00	0.13	0.169	O	|	|	|	|	0.44
100.833	0.00	0.13	0.168	O	|	|	|	|	0.44
100.917	0.00	0.13	0.167	O	|	|	|	|	0.44
101.000	0.00	0.13	0.166	O	|	|	|	|	0.44
101.083	0.00	0.13	0.165	O	|	|	|	|	0.43
101.167	0.00	0.13	0.164	O	|	|	|	|	0.43
101.250	0.00	0.12	0.164	O	|	|	|	|	0.43
101.333	0.00	0.12	0.163	O	|	|	|	|	0.43
101.417	0.00	0.12	0.162	O	|	|	|	|	0.43
101.500	0.00	0.12	0.161	O	|	|	|	|	0.42
101.583	0.00	0.12	0.160	O	|	|	|	|	0.42
101.667	0.00	0.12	0.159	O	|	|	|	|	0.42
101.750	0.00	0.12	0.158	O	|	|	|	|	0.42
101.833	0.00	0.12	0.158	O	|	|	|	|	0.41
101.917	0.00	0.12	0.157	O	|	|	|	|	0.41
102.000	0.00	0.12	0.156	O	|	|	|	|	0.41
102.083	0.00	0.12	0.155	O	|	|	|	|	0.41
102.167	0.00	0.12	0.154	O	|	|	|	|	0.41
102.250	0.00	0.12	0.154	O	|	|	|	|	0.40
102.333	0.00	0.12	0.153	O	|	|	|	|	0.40
102.417	0.00	0.12	0.152	O	|	|	|	|	0.40
102.500	0.00	0.12	0.151	O	|	|	|	|	0.40
102.583	0.00	0.11	0.150	O	|	|	|	|	0.40
102.667	0.00	0.11	0.150	O	|	|	|	|	0.39
102.750	0.00	0.11	0.149	O	|	|	|	|	0.39
102.833	0.00	0.11	0.148	O	|	|	|	|	0.39
102.917	0.00	0.11	0.147	O	|	|	|	|	0.39
103.000	0.00	0.11	0.146	O	|	|	|	|	0.39
103.083	0.00	0.11	0.146	O	|	|	|	|	0.38
103.167	0.00	0.11	0.145	O	|	|	|	|	0.38
103.250	0.00	0.11	0.144	O	|	|	|	|	0.38
103.333	0.00	0.11	0.143	O	|	|	|	|	0.38
103.417	0.00	0.11	0.143	O	|	|	|	|	0.38
103.500	0.00	0.11	0.142	O	|	|	|	|	0.37
103.583	0.00	0.11	0.141	O	|	|	|	|	0.37
103.667	0.00	0.11	0.140	O	|	|	|	|	0.37
103.750	0.00	0.11	0.140	O	|	|	|	|	0.37
103.833	0.00	0.11	0.139	O	|	|	|	|	0.37
103.917	0.00	0.11	0.138	O	|	|	|	|	0.36
104.000	0.00	0.10	0.137	O	|	|	|	|	0.36
104.083	0.00	0.10	0.137	O	|	|	|	|	0.36
104.167	0.00	0.10	0.136	O	|	|	|	|	0.36
104.250	0.00	0.10	0.135	O	|	|	|	|	0.36
104.333	0.00	0.10	0.135	O	|	|	|	|	0.35
104.417	0.00	0.10	0.134	O	|	|	|	|	0.35
104.500	0.00	0.10	0.133	O	|	|	|	|	0.35
104.583	0.00	0.10	0.133	O	|	|	|	|	0.35
104.667	0.00	0.10	0.132	O	|	|	|	|	0.35
104.750	0.00	0.10	0.131	O	|	|	|	|	0.35
104.833	0.00	0.10	0.130	O	|	|	|	|	0.34
104.917	0.00	0.10	0.130	O	|	|	|	|	0.34
105.000	0.00	0.10	0.129	O	|	|	|	|	0.34
105.083	0.00	0.10	0.128	O	|	|	|	|	0.34
105.167	0.00	0.10	0.128	O	|	|	|	|	0.34
105.250	0.00	0.10	0.127	O	|	|	|	|	0.33
105.333	0.00	0.10	0.126	O	|	|	|	|	0.33
105.417	0.00	0.10	0.126	O	|	|	|	|	0.33
105.500	0.00	0.10	0.125	O	|	|	|	|	0.33
105.583	0.00	0.09	0.124	O	|	|	|	|	0.33
105.667	0.00	0.09	0.124	O	|	|	|	|	0.33
105.750	0.00	0.09	0.123	O	|	|	|	|	0.32
105.833	0.00	0.09	0.122	O	|	|	|	|	0.32
105.917	0.00	0.09	0.122	O	|	|	|	|	0.32
106.000	0.00	0.09	0.121	O	|	|	|	|	0.32
106.083	0.00	0.09	0.121	O	|	|	|	|	0.32
106.167	0.00	0.09	0.120	O	|	|	|	|	0.32

106.250	0.00	0.09	0.119	O	|	|	|	0.31
106.333	0.00	0.09	0.119	O	|	|	|	0.31
106.417	0.00	0.09	0.118	O	|	|	|	0.31
106.500	0.00	0.09	0.117	O	|	|	|	0.31
106.583	0.00	0.09	0.117	O	|	|	|	0.31
106.667	0.00	0.09	0.116	O	|	|	|	0.31
106.750	0.00	0.09	0.116	O	|	|	|	0.30
106.833	0.00	0.09	0.115	O	|	|	|	0.30
106.917	0.00	0.09	0.114	O	|	|	|	0.30
107.000	0.00	0.09	0.114	O	|	|	|	0.30
107.083	0.00	0.09	0.113	O	|	|	|	0.30
107.167	0.00	0.09	0.113	O	|	|	|	0.30
107.250	0.00	0.09	0.112	O	|	|	|	0.29
107.333	0.00	0.09	0.111	O	|	|	|	0.29
107.417	0.00	0.08	0.111	O	|	|	|	0.29
107.500	0.00	0.08	0.110	O	|	|	|	0.29
107.583	0.00	0.08	0.110	O	|	|	|	0.29
107.667	0.00	0.08	0.109	O	|	|	|	0.29
107.750	0.00	0.08	0.109	O	|	|	|	0.29
107.833	0.00	0.08	0.108	O	|	|	|	0.28
107.917	0.00	0.08	0.107	O	|	|	|	0.28
108.000	0.00	0.08	0.107	O	|	|	|	0.28
108.083	0.00	0.08	0.106	O	|	|	|	0.28
108.167	0.00	0.08	0.106	O	|	|	|	0.28
108.250	0.00	0.08	0.105	O	|	|	|	0.28
108.333	0.00	0.08	0.105	O	|	|	|	0.28
108.417	0.00	0.08	0.104	O	|	|	|	0.27
108.500	0.00	0.08	0.104	O	|	|	|	0.27
108.583	0.00	0.08	0.103	O	|	|	|	0.27
108.667	0.00	0.08	0.102	O	|	|	|	0.27
108.750	0.00	0.08	0.102	O	|	|	|	0.27
108.833	0.00	0.08	0.101	O	|	|	|	0.27
108.917	0.00	0.08	0.101	O	|	|	|	0.27
109.000	0.00	0.08	0.100	O	|	|	|	0.26
109.083	0.00	0.08	0.100	O	|	|	|	0.26
109.167	0.00	0.08	0.099	O	|	|	|	0.26
109.250	0.00	0.08	0.099	O	|	|	|	0.26
109.333	0.00	0.07	0.098	O	|	|	|	0.26
109.417	0.00	0.07	0.098	O	|	|	|	0.26
109.500	0.00	0.07	0.097	O	|	|	|	0.26
109.583	0.00	0.07	0.097	O	|	|	|	0.25
109.667	0.00	0.07	0.096	O	|	|	|	0.25
109.750	0.00	0.07	0.096	O	|	|	|	0.25
109.833	0.00	0.07	0.095	O	|	|	|	0.25
109.917	0.00	0.07	0.095	O	|	|	|	0.25
110.000	0.00	0.07	0.094	O	|	|	|	0.25
110.083	0.00	0.07	0.094	O	|	|	|	0.25
110.167	0.00	0.07	0.093	O	|	|	|	0.25
110.250	0.00	0.07	0.093	O	|	|	|	0.24
110.333	0.00	0.07	0.092	O	|	|	|	0.24
110.417	0.00	0.07	0.092	O	|	|	|	0.24
110.500	0.00	0.07	0.091	O	|	|	|	0.24
110.583	0.00	0.07	0.091	O	|	|	|	0.24
110.667	0.00	0.07	0.090	O	|	|	|	0.24
110.750	0.00	0.07	0.090	O	|	|	|	0.24
110.833	0.00	0.07	0.089	O	|	|	|	0.24
110.917	0.00	0.07	0.089	O	|	|	|	0.23
111.000	0.00	0.07	0.088	O	|	|	|	0.23
111.083	0.00	0.07	0.088	O	|	|	|	0.23
111.167	0.00	0.07	0.087	O	|	|	|	0.23
111.250	0.00	0.07	0.087	O	|	|	|	0.23
111.333	0.00	0.07	0.087	O	|	|	|	0.23
111.417	0.00	0.07	0.086	O	|	|	|	0.23
111.500	0.00	0.07	0.086	O	|	|	|	0.23
111.583	0.00	0.07	0.085	O	|	|	|	0.22
111.667	0.00	0.06	0.085	O	|	|	|	0.22
111.750	0.00	0.06	0.084	O	|	|	|	0.22

111.833	0.00	0.06	0.084	O	|	|	|	|	0.22
111.917	0.00	0.06	0.083	O	|	|	|	|	0.22
112.000	0.00	0.06	0.083	O	|	|	|	|	0.22
112.083	0.00	0.06	0.083	O	|	|	|	|	0.22
112.167	0.00	0.06	0.082	O	|	|	|	|	0.22
112.250	0.00	0.06	0.082	O	|	|	|	|	0.22
112.333	0.00	0.06	0.081	O	|	|	|	|	0.21
112.417	0.00	0.06	0.081	O	|	|	|	|	0.21
112.500	0.00	0.06	0.080	O	|	|	|	|	0.21
112.583	0.00	0.06	0.080	O	|	|	|	|	0.21
112.667	0.00	0.06	0.080	O	|	|	|	|	0.21
112.750	0.00	0.06	0.079	O	|	|	|	|	0.21
112.833	0.00	0.06	0.079	O	|	|	|	|	0.21
112.917	0.00	0.06	0.078	O	|	|	|	|	0.21
113.000	0.00	0.06	0.078	O	|	|	|	|	0.21
113.083	0.00	0.06	0.078	O	|	|	|	|	0.20
113.167	0.00	0.06	0.077	O	|	|	|	|	0.20
113.250	0.00	0.06	0.077	O	|	|	|	|	0.20
113.333	0.00	0.06	0.076	O	|	|	|	|	0.20
113.417	0.00	0.06	0.076	O	|	|	|	|	0.20
113.500	0.00	0.06	0.076	O	|	|	|	|	0.20
113.583	0.00	0.06	0.075	O	|	|	|	|	0.20
113.667	0.00	0.06	0.075	O	|	|	|	|	0.20
113.750	0.00	0.06	0.074	O	|	|	|	|	0.20
113.833	0.00	0.06	0.074	O	|	|	|	|	0.19
113.917	0.00	0.06	0.074	O	|	|	|	|	0.19
114.000	0.00	0.06	0.073	O	|	|	|	|	0.19
114.083	0.00	0.06	0.073	O	|	|	|	|	0.19
114.167	0.00	0.06	0.072	O	|	|	|	|	0.19
114.250	0.00	0.05	0.072	O	|	|	|	|	0.19
114.333	0.00	0.05	0.072	O	|	|	|	|	0.19
114.417	0.00	0.05	0.071	O	|	|	|	|	0.19
114.500	0.00	0.05	0.071	O	|	|	|	|	0.19
114.583	0.00	0.05	0.071	O	|	|	|	|	0.19
114.667	0.00	0.05	0.070	O	|	|	|	|	0.18
114.750	0.00	0.05	0.070	O	|	|	|	|	0.18
114.833	0.00	0.05	0.069	O	|	|	|	|	0.18
114.917	0.00	0.05	0.069	O	|	|	|	|	0.18
115.000	0.00	0.05	0.069	O	|	|	|	|	0.18
115.083	0.00	0.05	0.068	O	|	|	|	|	0.18
115.167	0.00	0.05	0.068	O	|	|	|	|	0.18
115.250	0.00	0.05	0.068	O	|	|	|	|	0.18
115.333	0.00	0.05	0.067	O	|	|	|	|	0.18
115.417	0.00	0.05	0.067	O	|	|	|	|	0.18
115.500	0.00	0.05	0.067	O	|	|	|	|	0.18
115.583	0.00	0.05	0.066	O	|	|	|	|	0.17
115.667	0.00	0.05	0.066	O	|	|	|	|	0.17
115.750	0.00	0.05	0.066	O	|	|	|	|	0.17
115.833	0.00	0.05	0.065	O	|	|	|	|	0.17
115.917	0.00	0.05	0.065	O	|	|	|	|	0.17
116.000	0.00	0.05	0.064	O	|	|	|	|	0.17
116.083	0.00	0.05	0.064	O	|	|	|	|	0.17
116.167	0.00	0.05	0.064	O	|	|	|	|	0.17
116.250	0.00	0.05	0.063	O	|	|	|	|	0.17
116.333	0.00	0.05	0.063	O	|	|	|	|	0.17
116.417	0.00	0.05	0.063	O	|	|	|	|	0.17
116.500	0.00	0.05	0.062	O	|	|	|	|	0.16
116.583	0.00	0.05	0.062	O	|	|	|	|	0.16
116.667	0.00	0.05	0.062	O	|	|	|	|	0.16
116.750	0.00	0.05	0.062	O	|	|	|	|	0.16
116.833	0.00	0.05	0.061	O	|	|	|	|	0.16
116.917	0.00	0.05	0.061	O	|	|	|	|	0.16
117.000	0.00	0.05	0.061	O	|	|	|	|	0.16
117.083	0.00	0.05	0.060	O	|	|	|	|	0.16
117.167	0.00	0.05	0.060	O	|	|	|	|	0.16
117.250	0.00	0.05	0.060	O	|	|	|	|	0.16
117.333	0.00	0.05	0.059	O	|	|	|	|	0.16

117.417	0.00	0.05	0.059	O	|	|	|	0.16
117.500	0.00	0.04	0.059	O	|	|	|	0.15
117.583	0.00	0.04	0.058	O	|	|	|	0.15
117.667	0.00	0.04	0.058	O	|	|	|	0.15
117.750	0.00	0.04	0.058	O	|	|	|	0.15
117.833	0.00	0.04	0.057	O	|	|	|	0.15
117.917	0.00	0.04	0.057	O	|	|	|	0.15
118.000	0.00	0.04	0.057	O	|	|	|	0.15
118.083	0.00	0.04	0.057	O	|	|	|	0.15
118.167	0.00	0.04	0.056	O	|	|	|	0.15
118.250	0.00	0.04	0.056	O	|	|	|	0.15
118.333	0.00	0.04	0.056	O	|	|	|	0.15
118.417	0.00	0.04	0.055	O	|	|	|	0.15
118.500	0.00	0.04	0.055	O	|	|	|	0.14
118.583	0.00	0.04	0.055	O	|	|	|	0.14
118.667	0.00	0.04	0.055	O	|	|	|	0.14
118.750	0.00	0.04	0.054	O	|	|	|	0.14
118.833	0.00	0.04	0.054	O	|	|	|	0.14
118.917	0.00	0.04	0.054	O	|	|	|	0.14
119.000	0.00	0.04	0.053	O	|	|	|	0.14
119.083	0.00	0.04	0.053	O	|	|	|	0.14
119.167	0.00	0.04	0.053	O	|	|	|	0.14
119.250	0.00	0.04	0.053	O	|	|	|	0.14
119.333	0.00	0.04	0.052	O	|	|	|	0.14
119.417	0.00	0.04	0.052	O	|	|	|	0.14
119.500	0.00	0.04	0.052	O	|	|	|	0.14
119.583	0.00	0.04	0.051	O	|	|	|	0.14
119.667	0.00	0.04	0.051	O	|	|	|	0.13
119.750	0.00	0.04	0.051	O	|	|	|	0.13
119.833	0.00	0.04	0.051	O	|	|	|	0.13
119.917	0.00	0.04	0.050	O	|	|	|	0.13
120.000	0.00	0.04	0.050	O	|	|	|	0.13
120.083	0.00	0.04	0.050	O	|	|	|	0.13
120.167	0.00	0.04	0.050	O	|	|	|	0.13
120.250	0.00	0.04	0.049	O	|	|	|	0.13
120.333	0.00	0.04	0.049	O	|	|	|	0.13
120.417	0.00	0.04	0.049	O	|	|	|	0.13
120.500	0.00	0.04	0.049	O	|	|	|	0.13
120.583	0.00	0.04	0.048	O	|	|	|	0.13
120.667	0.00	0.04	0.048	O	|	|	|	0.13
120.750	0.00	0.04	0.048	O	|	|	|	0.13
120.833	0.00	0.04	0.048	O	|	|	|	0.13
120.917	0.00	0.04	0.047	O	|	|	|	0.12
121.000	0.00	0.04	0.047	O	|	|	|	0.12
121.083	0.00	0.04	0.047	O	|	|	|	0.12
121.167	0.00	0.04	0.047	O	|	|	|	0.12
121.250	0.00	0.04	0.046	O	|	|	|	0.12
121.333	0.00	0.04	0.046	O	|	|	|	0.12
121.417	0.00	0.03	0.046	O	|	|	|	0.12
121.500	0.00	0.03	0.046	O	|	|	|	0.12
121.583	0.00	0.03	0.045	O	|	|	|	0.12
121.667	0.00	0.03	0.045	O	|	|	|	0.12
121.750	0.00	0.03	0.045	O	|	|	|	0.12
121.833	0.00	0.03	0.045	O	|	|	|	0.12
121.917	0.00	0.03	0.044	O	|	|	|	0.12
122.000	0.00	0.03	0.044	O	|	|	|	0.12
122.083	0.00	0.03	0.044	O	|	|	|	0.12
122.167	0.00	0.03	0.044	O	|	|	|	0.12
122.250	0.00	0.03	0.043	O	|	|	|	0.11
122.333	0.00	0.03	0.043	O	|	|	|	0.11
122.417	0.00	0.03	0.043	O	|	|	|	0.11
122.500	0.00	0.03	0.043	O	|	|	|	0.11
122.583	0.00	0.03	0.043	O	|	|	|	0.11
122.667	0.00	0.03	0.042	O	|	|	|	0.11
122.750	0.00	0.03	0.042	O	|	|	|	0.11
122.833	0.00	0.03	0.042	O	|	|	|	0.11
122.917	0.00	0.03	0.042	O	|	|	|	0.11

123.000	0.00	0.03	0.041	O	|	|	|	0.11
123.083	0.00	0.03	0.041	O	|	|	|	0.11
123.167	0.00	0.03	0.041	O	|	|	|	0.11
123.250	0.00	0.03	0.041	O	|	|	|	0.11
123.333	0.00	0.03	0.041	O	|	|	|	0.11
123.417	0.00	0.03	0.040	O	|	|	|	0.11
123.500	0.00	0.03	0.040	O	|	|	|	0.11
123.583	0.00	0.03	0.040	O	|	|	|	0.11
123.667	0.00	0.03	0.040	O	|	|	|	0.10
123.750	0.00	0.03	0.040	O	|	|	|	0.10
123.833	0.00	0.03	0.039	O	|	|	|	0.10
123.917	0.00	0.03	0.039	O	|	|	|	0.10
124.000	0.00	0.03	0.039	O	|	|	|	0.10
124.083	0.00	0.03	0.039	O	|	|	|	0.10
124.167	0.00	0.03	0.039	O	|	|	|	0.10
124.250	0.00	0.03	0.038	O	|	|	|	0.10
124.333	0.00	0.03	0.038	O	|	|	|	0.10
124.417	0.00	0.03	0.038	O	|	|	|	0.10
124.500	0.00	0.03	0.038	O	|	|	|	0.10
124.583	0.00	0.03	0.038	O	|	|	|	0.10
124.667	0.00	0.03	0.037	O	|	|	|	0.10
124.750	0.00	0.03	0.037	O	|	|	|	0.10
124.833	0.00	0.03	0.037	O	|	|	|	0.10
124.917	0.00	0.03	0.037	O	|	|	|	0.10
125.000	0.00	0.03	0.037	O	|	|	|	0.10
125.083	0.00	0.03	0.036	O	|	|	|	0.10
125.167	0.00	0.03	0.036	O	|	|	|	0.10
125.250	0.00	0.03	0.036	O	|	|	|	0.09
125.333	0.00	0.03	0.036	O	|	|	|	0.09
125.417	0.00	0.03	0.036	O	|	|	|	0.09
125.500	0.00	0.03	0.035	O	|	|	|	0.09
125.583	0.00	0.03	0.035	O	|	|	|	0.09
125.667	0.00	0.03	0.035	O	|	|	|	0.09
125.750	0.00	0.03	0.035	O	|	|	|	0.09
125.833	0.00	0.03	0.035	O	|	|	|	0.09
125.917	0.00	0.03	0.035	O	|	|	|	0.09
126.000	0.00	0.03	0.034	O	|	|	|	0.09
126.083	0.00	0.03	0.034	O	|	|	|	0.09
126.167	0.00	0.03	0.034	O	|	|	|	0.09
126.250	0.00	0.03	0.034	O	|	|	|	0.09
126.333	0.00	0.03	0.034	O	|	|	|	0.09
126.417	0.00	0.03	0.033	O	|	|	|	0.09
126.500	0.00	0.03	0.033	O	|	|	|	0.09
126.583	0.00	0.03	0.033	O	|	|	|	0.09
126.667	0.00	0.03	0.033	O	|	|	|	0.09
126.750	0.00	0.02	0.033	O	|	|	|	0.09
126.833	0.00	0.02	0.033	O	|	|	|	0.09
126.917	0.00	0.02	0.032	O	|	|	|	0.09
127.000	0.00	0.02	0.032	O	|	|	|	0.08
127.083	0.00	0.02	0.032	O	|	|	|	0.08
127.167	0.00	0.02	0.032	O	|	|	|	0.08
127.250	0.00	0.02	0.032	O	|	|	|	0.08
127.333	0.00	0.02	0.032	O	|	|	|	0.08
127.417	0.00	0.02	0.031	O	|	|	|	0.08
127.500	0.00	0.02	0.031	O	|	|	|	0.08
127.583	0.00	0.02	0.031	O	|	|	|	0.08
127.667	0.00	0.02	0.031	O	|	|	|	0.08
127.750	0.00	0.02	0.031	O	|	|	|	0.08
127.833	0.00	0.02	0.031	O	|	|	|	0.08
127.917	0.00	0.02	0.030	O	|	|	|	0.08
128.000	0.00	0.02	0.030	O	|	|	|	0.08
128.083	0.00	0.02	0.030	O	|	|	|	0.08
128.167	0.00	0.02	0.030	O	|	|	|	0.08
128.250	0.00	0.02	0.030	O	|	|	|	0.08
128.333	0.00	0.02	0.030	O	|	|	|	0.08
128.417	0.00	0.02	0.029	O	|	|	|	0.08
128.500	0.00	0.02	0.029	O	|	|	|	0.08

128.583	0.00	0.02	0.029	O	|	|	|	0.08
128.667	0.00	0.02	0.029	O	|	|	|	0.08
128.750	0.00	0.02	0.029	O	|	|	|	0.08
128.833	0.00	0.02	0.029	O	|	|	|	0.08
128.917	0.00	0.02	0.029	O	|	|	|	0.08
129.000	0.00	0.02	0.028	O	|	|	|	0.07
129.083	0.00	0.02	0.028	O	|	|	|	0.07
129.167	0.00	0.02	0.028	O	|	|	|	0.07
129.250	0.00	0.02	0.028	O	|	|	|	0.07
129.333	0.00	0.02	0.028	O	|	|	|	0.07
129.417	0.00	0.02	0.028	O	|	|	|	0.07
129.500	0.00	0.02	0.028	O	|	|	|	0.07
129.583	0.00	0.02	0.027	O	|	|	|	0.07
129.667	0.00	0.02	0.027	O	|	|	|	0.07
129.750	0.00	0.02	0.027	O	|	|	|	0.07
129.833	0.00	0.02	0.027	O	|	|	|	0.07
129.917	0.00	0.02	0.027	O	|	|	|	0.07
130.000	0.00	0.02	0.027	O	|	|	|	0.07
130.083	0.00	0.02	0.027	O	|	|	|	0.07
130.167	0.00	0.02	0.026	O	|	|	|	0.07
130.250	0.00	0.02	0.026	O	|	|	|	0.07
130.333	0.00	0.02	0.026	O	|	|	|	0.07
130.417	0.00	0.02	0.026	O	|	|	|	0.07
130.500	0.00	0.02	0.026	O	|	|	|	0.07
130.583	0.00	0.02	0.026	O	|	|	|	0.07
130.667	0.00	0.02	0.026	O	|	|	|	0.07
130.750	0.00	0.02	0.025	O	|	|	|	0.07
130.833	0.00	0.02	0.025	O	|	|	|	0.07
130.917	0.00	0.02	0.025	O	|	|	|	0.07
131.000	0.00	0.02	0.025	O	|	|	|	0.07
131.083	0.00	0.02	0.025	O	|	|	|	0.07
131.167	0.00	0.02	0.025	O	|	|	|	0.07
131.250	0.00	0.02	0.025	O	|	|	|	0.06
131.333	0.00	0.02	0.025	O	|	|	|	0.06
131.417	0.00	0.02	0.024	O	|	|	|	0.06
131.500	0.00	0.02	0.024	O	|	|	|	0.06
131.583	0.00	0.02	0.024	O	|	|	|	0.06
131.667	0.00	0.02	0.024	O	|	|	|	0.06
131.750	0.00	0.02	0.024	O	|	|	|	0.06
131.833	0.00	0.02	0.024	O	|	|	|	0.06
131.917	0.00	0.02	0.024	O	|	|	|	0.06
132.000	0.00	0.02	0.024	O	|	|	|	0.06
132.083	0.00	0.02	0.023	O	|	|	|	0.06
132.167	0.00	0.02	0.023	O	|	|	|	0.06
132.250	0.00	0.02	0.023	O	|	|	|	0.06
132.333	0.00	0.02	0.023	O	|	|	|	0.06
132.417	0.00	0.02	0.023	O	|	|	|	0.06
132.500	0.00	0.02	0.023	O	|	|	|	0.06
132.583	0.00	0.02	0.023	O	|	|	|	0.06
132.667	0.00	0.02	0.023	O	|	|	|	0.06
132.750	0.00	0.02	0.022	O	|	|	|	0.06
132.833	0.00	0.02	0.022	O	|	|	|	0.06
132.917	0.00	0.02	0.022	O	|	|	|	0.06
133.000	0.00	0.02	0.022	O	|	|	|	0.06
133.083	0.00	0.02	0.022	O	|	|	|	0.06
133.167	0.00	0.02	0.022	O	|	|	|	0.06
133.250	0.00	0.02	0.022	O	|	|	|	0.06
133.333	0.00	0.02	0.022	O	|	|	|	0.06
133.417	0.00	0.02	0.022	O	|	|	|	0.06
133.500	0.00	0.02	0.021	O	|	|	|	0.06
133.583	0.00	0.02	0.021	O	|	|	|	0.06
133.667	0.00	0.02	0.021	O	|	|	|	0.06
133.750	0.00	0.02	0.021	O	|	|	|	0.06
133.833	0.00	0.02	0.021	O	|	|	|	0.06
133.917	0.00	0.02	0.021	O	|	|	|	0.05
134.000	0.00	0.02	0.021	O	|	|	|	0.05
134.083	0.00	0.02	0.021	O	|	|	|	0.05

134.167	0.00	0.02	0.021	O	|	|	|	0.05
134.250	0.00	0.02	0.020	O	|	|	|	0.05
134.333	0.00	0.02	0.020	O	|	|	|	0.05
134.417	0.00	0.02	0.020	O	|	|	|	0.05
134.500	0.00	0.02	0.020	O	|	|	|	0.05
134.583	0.00	0.02	0.020	O	|	|	|	0.05
134.667	0.00	0.02	0.020	O	|	|	|	0.05
134.750	0.00	0.02	0.020	O	|	|	|	0.05
134.833	0.00	0.02	0.020	O	|	|	|	0.05
134.917	0.00	0.01	0.020	O	|	|	|	0.05
135.000	0.00	0.01	0.019	O	|	|	|	0.05
135.083	0.00	0.01	0.019	O	|	|	|	0.05
135.167	0.00	0.01	0.019	O	|	|	|	0.05
135.250	0.00	0.01	0.019	O	|	|	|	0.05
135.333	0.00	0.01	0.019	O	|	|	|	0.05
135.417	0.00	0.01	0.019	O	|	|	|	0.05
135.500	0.00	0.01	0.019	O	|	|	|	0.05
135.583	0.00	0.01	0.019	O	|	|	|	0.05
135.667	0.00	0.01	0.019	O	|	|	|	0.05
135.750	0.00	0.01	0.019	O	|	|	|	0.05
135.833	0.00	0.01	0.018	O	|	|	|	0.05
135.917	0.00	0.01	0.018	O	|	|	|	0.05
136.000	0.00	0.01	0.018	O	|	|	|	0.05
136.083	0.00	0.01	0.018	O	|	|	|	0.05
136.167	0.00	0.01	0.018	O	|	|	|	0.05
136.250	0.00	0.01	0.018	O	|	|	|	0.05
136.333	0.00	0.01	0.018	O	|	|	|	0.05
136.417	0.00	0.01	0.018	O	|	|	|	0.05
136.500	0.00	0.01	0.018	O	|	|	|	0.05
136.583	0.00	0.01	0.018	O	|	|	|	0.05
136.667	0.00	0.01	0.018	O	|	|	|	0.05
136.750	0.00	0.01	0.017	O	|	|	|	0.05
136.833	0.00	0.01	0.017	O	|	|	|	0.05
136.917	0.00	0.01	0.017	O	|	|	|	0.05
137.000	0.00	0.01	0.017	O	|	|	|	0.05
137.083	0.00	0.01	0.017	O	|	|	|	0.04
137.167	0.00	0.01	0.017	O	|	|	|	0.04
137.250	0.00	0.01	0.017	O	|	|	|	0.04
137.333	0.00	0.01	0.017	O	|	|	|	0.04
137.417	0.00	0.01	0.017	O	|	|	|	0.04
137.500	0.00	0.01	0.017	O	|	|	|	0.04
137.583	0.00	0.01	0.017	O	|	|	|	0.04
137.667	0.00	0.01	0.016	O	|	|	|	0.04
137.750	0.00	0.01	0.016	O	|	|	|	0.04
137.833	0.00	0.01	0.016	O	|	|	|	0.04
137.917	0.00	0.01	0.016	O	|	|	|	0.04
138.000	0.00	0.01	0.016	O	|	|	|	0.04
138.083	0.00	0.01	0.016	O	|	|	|	0.04
138.167	0.00	0.01	0.016	O	|	|	|	0.04
138.250	0.00	0.01	0.016	O	|	|	|	0.04
138.333	0.00	0.01	0.016	O	|	|	|	0.04
138.417	0.00	0.01	0.016	O	|	|	|	0.04
138.500	0.00	0.01	0.016	O	|	|	|	0.04
138.583	0.00	0.01	0.016	O	|	|	|	0.04
138.667	0.00	0.01	0.015	O	|	|	|	0.04
138.750	0.00	0.01	0.015	O	|	|	|	0.04
138.833	0.00	0.01	0.015	O	|	|	|	0.04
138.917	0.00	0.01	0.015	O	|	|	|	0.04
139.000	0.00	0.01	0.015	O	|	|	|	0.04
139.083	0.00	0.01	0.015	O	|	|	|	0.04
139.167	0.00	0.01	0.015	O	|	|	|	0.04
139.250	0.00	0.01	0.015	O	|	|	|	0.04
139.333	0.00	0.01	0.015	O	|	|	|	0.04
139.417	0.00	0.01	0.015	O	|	|	|	0.04
139.500	0.00	0.01	0.015	O	|	|	|	0.04
139.583	0.00	0.01	0.015	O	|	|	|	0.04
139.667	0.00	0.01	0.014	O	|	|	|	0.04

139.750	0.00	0.01	0.014	O	|	|	|	0.04
139.833	0.00	0.01	0.014	O	|	|	|	0.04
139.917	0.00	0.01	0.014	O	|	|	|	0.04
140.000	0.00	0.01	0.014	O	|	|	|	0.04
140.083	0.00	0.01	0.014	O	|	|	|	0.04
140.167	0.00	0.01	0.014	O	|	|	|	0.04
140.250	0.00	0.01	0.014	O	|	|	|	0.04
140.333	0.00	0.01	0.014	O	|	|	|	0.04
140.417	0.00	0.01	0.014	O	|	|	|	0.04
140.500	0.00	0.01	0.014	O	|	|	|	0.04
140.583	0.00	0.01	0.014	O	|	|	|	0.04
140.667	0.00	0.01	0.014	O	|	|	|	0.04
140.750	0.00	0.01	0.014	O	|	|	|	0.04
140.833	0.00	0.01	0.013	O	|	|	|	0.04
140.917	0.00	0.01	0.013	O	|	|	|	0.04
141.000	0.00	0.01	0.013	O	|	|	|	0.04
141.083	0.00	0.01	0.013	O	|	|	|	0.03
141.167	0.00	0.01	0.013	O	|	|	|	0.03
141.250	0.00	0.01	0.013	O	|	|	|	0.03
141.333	0.00	0.01	0.013	O	|	|	|	0.03
141.417	0.00	0.01	0.013	O	|	|	|	0.03
141.500	0.00	0.01	0.013	O	|	|	|	0.03
141.583	0.00	0.01	0.013	O	|	|	|	0.03
141.667	0.00	0.01	0.013	O	|	|	|	0.03
141.750	0.00	0.01	0.013	O	|	|	|	0.03
141.833	0.00	0.01	0.013	O	|	|	|	0.03
141.917	0.00	0.01	0.013	O	|	|	|	0.03
142.000	0.00	0.01	0.013	O	|	|	|	0.03
142.083	0.00	0.01	0.012	O	|	|	|	0.03
142.167	0.00	0.01	0.012	O	|	|	|	0.03
142.250	0.00	0.01	0.012	O	|	|	|	0.03
142.333	0.00	0.01	0.012	O	|	|	|	0.03
142.417	0.00	0.01	0.012	O	|	|	|	0.03
142.500	0.00	0.01	0.012	O	|	|	|	0.03
142.583	0.00	0.01	0.012	O	|	|	|	0.03
142.667	0.00	0.01	0.012	O	|	|	|	0.03
142.750	0.00	0.01	0.012	O	|	|	|	0.03
142.833	0.00	0.01	0.012	O	|	|	|	0.03
142.917	0.00	0.01	0.012	O	|	|	|	0.03
143.000	0.00	0.01	0.012	O	|	|	|	0.03
143.083	0.00	0.01	0.012	O	|	|	|	0.03
143.167	0.00	0.01	0.012	O	|	|	|	0.03
143.250	0.00	0.01	0.012	O	|	|	|	0.03
143.333	0.00	0.01	0.012	O	|	|	|	0.03
143.417	0.00	0.01	0.011	O	|	|	|	0.03
143.500	0.00	0.01	0.011	O	|	|	|	0.03
143.583	0.00	0.01	0.011	O	|	|	|	0.03
143.667	0.00	0.01	0.011	O	|	|	|	0.03
143.750	0.00	0.01	0.011	O	|	|	|	0.03
143.833	0.00	0.01	0.011	O	|	|	|	0.03
143.917	0.00	0.01	0.011	O	|	|	|	0.03
144.000	0.00	0.01	0.011	O	|	|	|	0.03
144.083	0.00	0.01	0.011	O	|	|	|	0.03
144.167	0.00	0.01	0.011	O	|	|	|	0.03
144.250	0.00	0.01	0.011	O	|	|	|	0.03
144.333	0.00	0.01	0.011	O	|	|	|	0.03
144.417	0.00	0.01	0.011	O	|	|	|	0.03
144.500	0.00	0.01	0.011	O	|	|	|	0.03
144.583	0.00	0.01	0.011	O	|	|	|	0.03
144.667	0.00	0.01	0.011	O	|	|	|	0.03
144.750	0.00	0.01	0.011	O	|	|	|	0.03
144.833	0.00	0.01	0.010	O	|	|	|	0.03
144.917	0.00	0.01	0.010	O	|	|	|	0.03
145.000	0.00	0.01	0.010	O	|	|	|	0.03
145.083	0.00	0.01	0.010	O	|	|	|	0.03
145.167	0.00	0.01	0.010	O	|	|	|	0.03
145.250	0.00	0.01	0.010	O	|	|	|	0.03

145.333	0.00	0.01	0.010	O	|	|	|	|	0.03
145.417	0.00	0.01	0.010	O	|	|	|	|	0.03
145.500	0.00	0.01	0.010	O	|	|	|	|	0.03
145.583	0.00	0.01	0.010	O	|	|	|	|	0.03
145.667	0.00	0.01	0.010	O	|	|	|	|	0.03
145.750	0.00	0.01	0.010	O	|	|	|	|	0.03
145.833	0.00	0.01	0.010	O	|	|	|	|	0.03
145.917	0.00	0.01	0.010	O	|	|	|	|	0.03
146.000	0.00	0.01	0.010	O	|	|	|	|	0.03
146.083	0.00	0.01	0.010	O	|	|	|	|	0.03
146.167	0.00	0.01	0.010	O	|	|	|	|	0.03
146.250	0.00	0.01	0.010	O	|	|	|	|	0.03
146.333	0.00	0.01	0.010	O	|	|	|	|	0.03
146.417	0.00	0.01	0.009	O	|	|	|	|	0.02
146.500	0.00	0.01	0.009	O	|	|	|	|	0.02
146.583	0.00	0.01	0.009	O	|	|	|	|	0.02
146.667	0.00	0.01	0.009	O	|	|	|	|	0.02
146.750	0.00	0.01	0.009	O	|	|	|	|	0.02
146.833	0.00	0.01	0.009	O	|	|	|	|	0.02
146.917	0.00	0.01	0.009	O	|	|	|	|	0.02
147.000	0.00	0.01	0.009	O	|	|	|	|	0.02
147.083	0.00	0.01	0.009	O	|	|	|	|	0.02
147.167	0.00	0.01	0.009	O	|	|	|	|	0.02
147.250	0.00	0.01	0.009	O	|	|	|	|	0.02
147.333	0.00	0.01	0.009	O	|	|	|	|	0.02
147.417	0.00	0.01	0.009	O	|	|	|	|	0.02
147.500	0.00	0.01	0.009	O	|	|	|	|	0.02
147.583	0.00	0.01	0.009	O	|	|	|	|	0.02
147.667	0.00	0.01	0.009	O	|	|	|	|	0.02
147.750	0.00	0.01	0.009	O	|	|	|	|	0.02
147.833	0.00	0.01	0.009	O	|	|	|	|	0.02
147.917	0.00	0.01	0.009	O	|	|	|	|	0.02
148.000	0.00	0.01	0.009	O	|	|	|	|	0.02
148.083	0.00	0.01	0.009	O	|	|	|	|	0.02
148.167	0.00	0.01	0.008	O	|	|	|	|	0.02
148.250	0.00	0.01	0.008	O	|	|	|	|	0.02
148.333	0.00	0.01	0.008	O	|	|	|	|	0.02
148.417	0.00	0.01	0.008	O	|	|	|	|	0.02
148.500	0.00	0.01	0.008	O	|	|	|	|	0.02
148.583	0.00	0.01	0.008	O	|	|	|	|	0.02
148.667	0.00	0.01	0.008	O	|	|	|	|	0.02
148.750	0.00	0.01	0.008	O	|	|	|	|	0.02
148.833	0.00	0.01	0.008	O	|	|	|	|	0.02
148.917	0.00	0.01	0.008	O	|	|	|	|	0.02
149.000	0.00	0.01	0.008	O	|	|	|	|	0.02
149.083	0.00	0.01	0.008	O	|	|	|	|	0.02
149.167	0.00	0.01	0.008	O	|	|	|	|	0.02
149.250	0.00	0.01	0.008	O	|	|	|	|	0.02
149.333	0.00	0.01	0.008	O	|	|	|	|	0.02
149.417	0.00	0.01	0.008	O	|	|	|	|	0.02
149.500	0.00	0.01	0.008	O	|	|	|	|	0.02
149.583	0.00	0.01	0.008	O	|	|	|	|	0.02
149.667	0.00	0.01	0.008	O	|	|	|	|	0.02
149.750	0.00	0.01	0.008	O	|	|	|	|	0.02
149.833	0.00	0.01	0.008	O	|	|	|	|	0.02
149.917	0.00	0.01	0.008	O	|	|	|	|	0.02
150.000	0.00	0.01	0.008	O	|	|	|	|	0.02
150.083	0.00	0.01	0.008	O	|	|	|	|	0.02
150.167	0.00	0.01	0.007	O	|	|	|	|	0.02
150.250	0.00	0.01	0.007	O	|	|	|	|	0.02
150.333	0.00	0.01	0.007	O	|	|	|	|	0.02
150.417	0.00	0.01	0.007	O	|	|	|	|	0.02
150.500	0.00	0.01	0.007	O	|	|	|	|	0.02
150.583	0.00	0.01	0.007	O	|	|	|	|	0.02
150.667	0.00	0.01	0.007	O	|	|	|	|	0.02
150.750	0.00	0.01	0.007	O	|	|	|	|	0.02
150.833	0.00	0.01	0.007	O	|	|	|	|	0.02

150.917	0.00	0.01	0.007	O	|	|	|	|	0.02
151.000	0.00	0.01	0.007	O	|	|	|	|	0.02
151.083	0.00	0.01	0.007	O	|	|	|	|	0.02
151.167	0.00	0.01	0.007	O	|	|	|	|	0.02
151.250	0.00	0.01	0.007	O	|	|	|	|	0.02
151.333	0.00	0.01	0.007	O	|	|	|	|	0.02
151.417	0.00	0.01	0.007	O	|	|	|	|	0.02
151.500	0.00	0.01	0.007	O	|	|	|	|	0.02
151.583	0.00	0.01	0.007	O	|	|	|	|	0.02
151.667	0.00	0.01	0.007	O	|	|	|	|	0.02
151.750	0.00	0.01	0.007	O	|	|	|	|	0.02
151.833	0.00	0.01	0.007	O	|	|	|	|	0.02
151.917	0.00	0.01	0.007	O	|	|	|	|	0.02
152.000	0.00	0.01	0.007	O	|	|	|	|	0.02
152.083	0.00	0.01	0.007	O	|	|	|	|	0.02
152.167	0.00	0.01	0.007	O	|	|	|	|	0.02
152.250	0.00	0.01	0.007	O	|	|	|	|	0.02
152.333	0.00	0.00	0.007	O	|	|	|	|	0.02
152.417	0.00	0.00	0.006	O	|	|	|	|	0.02
152.500	0.00	0.00	0.006	O	|	|	|	|	0.02
152.583	0.00	0.00	0.006	O	|	|	|	|	0.02
152.667	0.00	0.00	0.006	O	|	|	|	|	0.02
152.750	0.00	0.00	0.006	O	|	|	|	|	0.02
152.833	0.00	0.00	0.006	O	|	|	|	|	0.02
152.917	0.00	0.00	0.006	O	|	|	|	|	0.02
153.000	0.00	0.00	0.006	O	|	|	|	|	0.02
153.083	0.00	0.00	0.006	O	|	|	|	|	0.02
153.167	0.00	0.00	0.006	O	|	|	|	|	0.02
153.250	0.00	0.00	0.006	O	|	|	|	|	0.02
153.333	0.00	0.00	0.006	O	|	|	|	|	0.02
153.417	0.00	0.00	0.006	O	|	|	|	|	0.02
153.500	0.00	0.00	0.006	O	|	|	|	|	0.02
153.583	0.00	0.00	0.006	O	|	|	|	|	0.02
153.667	0.00	0.00	0.006	O	|	|	|	|	0.02
153.750	0.00	0.00	0.006	O	|	|	|	|	0.02
153.833	0.00	0.00	0.006	O	|	|	|	|	0.02
153.917	0.00	0.00	0.006	O	|	|	|	|	0.02
154.000	0.00	0.00	0.006	O	|	|	|	|	0.02
154.083	0.00	0.00	0.006	O	|	|	|	|	0.02
154.167	0.00	0.00	0.006	O	|	|	|	|	0.02
154.250	0.00	0.00	0.006	O	|	|	|	|	0.02
154.333	0.00	0.00	0.006	O	|	|	|	|	0.02
154.417	0.00	0.00	0.006	O	|	|	|	|	0.02
154.500	0.00	0.00	0.006	O	|	|	|	|	0.01
154.583	0.00	0.00	0.006	O	|	|	|	|	0.01
154.667	0.00	0.00	0.006	O	|	|	|	|	0.01
154.750	0.00	0.00	0.006	O	|	|	|	|	0.01
154.833	0.00	0.00	0.006	O	|	|	|	|	0.01
154.917	0.00	0.00	0.006	O	|	|	|	|	0.01
155.000	0.00	0.00	0.006	O	|	|	|	|	0.01
155.083	0.00	0.00	0.005	O	|	|	|	|	0.01
155.167	0.00	0.00	0.005	O	|	|	|	|	0.01
155.250	0.00	0.00	0.005	O	|	|	|	|	0.01
155.333	0.00	0.00	0.005	O	|	|	|	|	0.01
155.417	0.00	0.00	0.005	O	|	|	|	|	0.01
155.500	0.00	0.00	0.005	O	|	|	|	|	0.01
155.583	0.00	0.00	0.005	O	|	|	|	|	0.01
155.667	0.00	0.00	0.005	O	|	|	|	|	0.01
155.750	0.00	0.00	0.005	O	|	|	|	|	0.01
155.833	0.00	0.00	0.005	O	|	|	|	|	0.01
155.917	0.00	0.00	0.005	O	|	|	|	|	0.01
156.000	0.00	0.00	0.005	O	|	|	|	|	0.01
156.083	0.00	0.00	0.005	O	|	|	|	|	0.01
156.167	0.00	0.00	0.005	O	|	|	|	|	0.01
156.250	0.00	0.00	0.005	O	|	|	|	|	0.01
156.333	0.00	0.00	0.005	O	|	|	|	|	0.01
156.417	0.00	0.00	0.005	O	|	|	|	|	0.01

156.500	0.00	0.00	0.005	O	|	|	|	0.01
156.583	0.00	0.00	0.005	O	|	|	|	0.01
156.667	0.00	0.00	0.005	O	|	|	|	0.01
156.750	0.00	0.00	0.005	O	|	|	|	0.01
156.833	0.00	0.00	0.005	O	|	|	|	0.01
156.917	0.00	0.00	0.005	O	|	|	|	0.01
157.000	0.00	0.00	0.005	O	|	|	|	0.01
157.083	0.00	0.00	0.005	O	|	|	|	0.01
157.167	0.00	0.00	0.005	O	|	|	|	0.01
157.250	0.00	0.00	0.005	O	|	|	|	0.01
157.333	0.00	0.00	0.005	O	|	|	|	0.01
157.417	0.00	0.00	0.005	O	|	|	|	0.01
157.500	0.00	0.00	0.005	O	|	|	|	0.01
157.583	0.00	0.00	0.005	O	|	|	|	0.01
157.667	0.00	0.00	0.005	O	|	|	|	0.01
157.750	0.00	0.00	0.005	O	|	|	|	0.01
157.833	0.00	0.00	0.005	O	|	|	|	0.01
157.917	0.00	0.00	0.005	O	|	|	|	0.01
158.000	0.00	0.00	0.005	O	|	|	|	0.01
158.083	0.00	0.00	0.005	O	|	|	|	0.01
158.167	0.00	0.00	0.005	O	|	|	|	0.01
158.250	0.00	0.00	0.004	O	|	|	|	0.01
158.333	0.00	0.00	0.004	O	|	|	|	0.01
158.417	0.00	0.00	0.004	O	|	|	|	0.01
158.500	0.00	0.00	0.004	O	|	|	|	0.01
158.583	0.00	0.00	0.004	O	|	|	|	0.01
158.667	0.00	0.00	0.004	O	|	|	|	0.01
158.750	0.00	0.00	0.004	O	|	|	|	0.01
158.833	0.00	0.00	0.004	O	|	|	|	0.01
158.917	0.00	0.00	0.004	O	|	|	|	0.01
159.000	0.00	0.00	0.004	O	|	|	|	0.01
159.083	0.00	0.00	0.004	O	|	|	|	0.01
159.167	0.00	0.00	0.004	O	|	|	|	0.01
159.250	0.00	0.00	0.004	O	|	|	|	0.01
159.333	0.00	0.00	0.004	O	|	|	|	0.01
159.417	0.00	0.00	0.004	O	|	|	|	0.01
159.500	0.00	0.00	0.004	O	|	|	|	0.01
159.583	0.00	0.00	0.004	O	|	|	|	0.01
159.667	0.00	0.00	0.004	O	|	|	|	0.01
159.750	0.00	0.00	0.004	O	|	|	|	0.01
159.833	0.00	0.00	0.004	O	|	|	|	0.01
159.917	0.00	0.00	0.004	O	|	|	|	0.01
160.000	0.00	0.00	0.004	O	|	|	|	0.01
160.083	0.00	0.00	0.004	O	|	|	|	0.01
160.167	0.00	0.00	0.004	O	|	|	|	0.01
160.250	0.00	0.00	0.004	O	|	|	|	0.01
160.333	0.00	0.00	0.004	O	|	|	|	0.01
160.417	0.00	0.00	0.004	O	|	|	|	0.01
160.500	0.00	0.00	0.004	O	|	|	|	0.01
160.583	0.00	0.00	0.004	O	|	|	|	0.01
160.667	0.00	0.00	0.004	O	|	|	|	0.01
160.750	0.00	0.00	0.004	O	|	|	|	0.01
160.833	0.00	0.00	0.004	O	|	|	|	0.01
160.917	0.00	0.00	0.004	O	|	|	|	0.01
161.000	0.00	0.00	0.004	O	|	|	|	0.01
161.083	0.00	0.00	0.004	O	|	|	|	0.01
161.167	0.00	0.00	0.004	O	|	|	|	0.01
161.250	0.00	0.00	0.004	O	|	|	|	0.01
161.333	0.00	0.00	0.004	O	|	|	|	0.01
161.417	0.00	0.00	0.004	O	|	|	|	0.01
161.500	0.00	0.00	0.004	O	|	|	|	0.01
161.583	0.00	0.00	0.004	O	|	|	|	0.01
161.667	0.00	0.00	0.004	O	|	|	|	0.01
161.750	0.00	0.00	0.004	O	|	|	|	0.01
161.833	0.00	0.00	0.004	O	|	|	|	0.01
161.917	0.00	0.00	0.004	O	|	|	|	0.01
162.000	0.00	0.00	0.004	O	|	|	|	0.01

162.083	0.00	0.00	0.004	O	|	|	|	|	0.01
162.167	0.00	0.00	0.004	O	|	|	|	|	0.01
162.250	0.00	0.00	0.003	O	|	|	|	|	0.01
162.333	0.00	0.00	0.003	O	|	|	|	|	0.01
162.417	0.00	0.00	0.003	O	|	|	|	|	0.01
162.500	0.00	0.00	0.003	O	|	|	|	|	0.01
162.583	0.00	0.00	0.003	O	|	|	|	|	0.01
162.667	0.00	0.00	0.003	O	|	|	|	|	0.01
162.750	0.00	0.00	0.003	O	|	|	|	|	0.01
162.833	0.00	0.00	0.003	O	|	|	|	|	0.01
162.917	0.00	0.00	0.003	O	|	|	|	|	0.01
163.000	0.00	0.00	0.003	O	|	|	|	|	0.01
163.083	0.00	0.00	0.003	O	|	|	|	|	0.01
163.167	0.00	0.00	0.003	O	|	|	|	|	0.01
163.250	0.00	0.00	0.003	O	|	|	|	|	0.01
163.333	0.00	0.00	0.003	O	|	|	|	|	0.01
163.417	0.00	0.00	0.003	O	|	|	|	|	0.01
163.500	0.00	0.00	0.003	O	|	|	|	|	0.01
163.583	0.00	0.00	0.003	O	|	|	|	|	0.01
163.667	0.00	0.00	0.003	O	|	|	|	|	0.01
163.750	0.00	0.00	0.003	O	|	|	|	|	0.01
163.833	0.00	0.00	0.003	O	|	|	|	|	0.01
163.917	0.00	0.00	0.003	O	|	|	|	|	0.01
164.000	0.00	0.00	0.003	O	|	|	|	|	0.01
164.083	0.00	0.00	0.003	O	|	|	|	|	0.01
164.167	0.00	0.00	0.003	O	|	|	|	|	0.01
164.250	0.00	0.00	0.003	O	|	|	|	|	0.01
164.333	0.00	0.00	0.003	O	|	|	|	|	0.01
164.417	0.00	0.00	0.003	O	|	|	|	|	0.01
164.500	0.00	0.00	0.003	O	|	|	|	|	0.01
164.583	0.00	0.00	0.003	O	|	|	|	|	0.01
164.667	0.00	0.00	0.003	O	|	|	|	|	0.01
164.750	0.00	0.00	0.003	O	|	|	|	|	0.01
164.833	0.00	0.00	0.003	O	|	|	|	|	0.01
164.917	0.00	0.00	0.003	O	|	|	|	|	0.01
165.000	0.00	0.00	0.003	O	|	|	|	|	0.01
165.083	0.00	0.00	0.003	O	|	|	|	|	0.01
165.167	0.00	0.00	0.003	O	|	|	|	|	0.01
165.250	0.00	0.00	0.003	O	|	|	|	|	0.01
165.333	0.00	0.00	0.003	O	|	|	|	|	0.01
165.417	0.00	0.00	0.003	O	|	|	|	|	0.01
165.500	0.00	0.00	0.003	O	|	|	|	|	0.01
165.583	0.00	0.00	0.003	O	|	|	|	|	0.01
165.667	0.00	0.00	0.003	O	|	|	|	|	0.01
165.750	0.00	0.00	0.003	O	|	|	|	|	0.01
165.833	0.00	0.00	0.003	O	|	|	|	|	0.01
165.917	0.00	0.00	0.003	O	|	|	|	|	0.01
166.000	0.00	0.00	0.003	O	|	|	|	|	0.01
166.083	0.00	0.00	0.003	O	|	|	|	|	0.01
166.167	0.00	0.00	0.003	O	|	|	|	|	0.01
166.250	0.00	0.00	0.003	O	|	|	|	|	0.01
166.333	0.00	0.00	0.003	O	|	|	|	|	0.01
166.417	0.00	0.00	0.003	O	|	|	|	|	0.01
166.500	0.00	0.00	0.003	O	|	|	|	|	0.01
166.583	0.00	0.00	0.003	O	|	|	|	|	0.01
166.667	0.00	0.00	0.003	O	|	|	|	|	0.01
166.750	0.00	0.00	0.003	O	|	|	|	|	0.01
166.833	0.00	0.00	0.003	O	|	|	|	|	0.01
166.917	0.00	0.00	0.003	O	|	|	|	|	0.01
167.000	0.00	0.00	0.003	O	|	|	|	|	0.01
167.083	0.00	0.00	0.003	O	|	|	|	|	0.01
167.167	0.00	0.00	0.003	O	|	|	|	|	0.01
167.250	0.00	0.00	0.003	O	|	|	|	|	0.01
167.333	0.00	0.00	0.003	O	|	|	|	|	0.01
167.417	0.00	0.00	0.003	O	|	|	|	|	0.01
167.500	0.00	0.00	0.003	O	|	|	|	|	0.01
167.583	0.00	0.00	0.002	O	|	|	|	|	0.01

167.667	0.00	0.00	0.002	O	|	|	|	0.01
167.750	0.00	0.00	0.002	O	|	|	|	0.01
167.833	0.00	0.00	0.002	O	|	|	|	0.01
167.917	0.00	0.00	0.002	O	|	|	|	0.01
168.000	0.00	0.00	0.002	O	|	|	|	0.01
168.083	0.00	0.00	0.002	O	|	|	|	0.01
168.167	0.00	0.00	0.002	O	|	|	|	0.01
168.250	0.00	0.00	0.002	O	|	|	|	0.01
168.333	0.00	0.00	0.002	O	|	|	|	0.01
168.417	0.00	0.00	0.002	O	|	|	|	0.01
168.500	0.00	0.00	0.002	O	|	|	|	0.01
168.583	0.00	0.00	0.002	O	|	|	|	0.01
168.667	0.00	0.00	0.002	O	|	|	|	0.01
168.750	0.00	0.00	0.002	O	|	|	|	0.01
168.833	0.00	0.00	0.002	O	|	|	|	0.01
168.917	0.00	0.00	0.002	O	|	|	|	0.01
169.000	0.00	0.00	0.002	O	|	|	|	0.01
169.083	0.00	0.00	0.002	O	|	|	|	0.01
169.167	0.00	0.00	0.002	O	|	|	|	0.01
169.250	0.00	0.00	0.002	O	|	|	|	0.01
169.333	0.00	0.00	0.002	O	|	|	|	0.01
169.417	0.00	0.00	0.002	O	|	|	|	0.01
169.500	0.00	0.00	0.002	O	|	|	|	0.01
169.583	0.00	0.00	0.002	O	|	|	|	0.01
169.667	0.00	0.00	0.002	O	|	|	|	0.01
169.750	0.00	0.00	0.002	O	|	|	|	0.01
169.833	0.00	0.00	0.002	O	|	|	|	0.01
169.917	0.00	0.00	0.002	O	|	|	|	0.01
170.000	0.00	0.00	0.002	O	|	|	|	0.01
170.083	0.00	0.00	0.002	O	|	|	|	0.01
170.167	0.00	0.00	0.002	O	|	|	|	0.01
170.250	0.00	0.00	0.002	O	|	|	|	0.01
170.333	0.00	0.00	0.002	O	|	|	|	0.01
170.417	0.00	0.00	0.002	O	|	|	|	0.01
170.500	0.00	0.00	0.002	O	|	|	|	0.01
170.583	0.00	0.00	0.002	O	|	|	|	0.01
170.667	0.00	0.00	0.002	O	|	|	|	0.01
170.750	0.00	0.00	0.002	O	|	|	|	0.01
170.833	0.00	0.00	0.002	O	|	|	|	0.01
170.917	0.00	0.00	0.002	O	|	|	|	0.01
171.000	0.00	0.00	0.002	O	|	|	|	0.01
171.083	0.00	0.00	0.002	O	|	|	|	0.01
171.167	0.00	0.00	0.002	O	|	|	|	0.01
171.250	0.00	0.00	0.002	O	|	|	|	0.01
171.333	0.00	0.00	0.002	O	|	|	|	0.01
171.417	0.00	0.00	0.002	O	|	|	|	0.01
171.500	0.00	0.00	0.002	O	|	|	|	0.01
171.583	0.00	0.00	0.002	O	|	|	|	0.01
171.667	0.00	0.00	0.002	O	|	|	|	0.01
171.750	0.00	0.00	0.002	O	|	|	|	0.01
171.833	0.00	0.00	0.002	O	|	|	|	0.01
171.917	0.00	0.00	0.002	O	|	|	|	0.00
172.000	0.00	0.00	0.002	O	|	|	|	0.00
172.083	0.00	0.00	0.002	O	|	|	|	0.00
172.167	0.00	0.00	0.002	O	|	|	|	0.00
172.250	0.00	0.00	0.002	O	|	|	|	0.00
172.333	0.00	0.00	0.002	O	|	|	|	0.00
172.417	0.00	0.00	0.002	O	|	|	|	0.00
172.500	0.00	0.00	0.002	O	|	|	|	0.00
172.583	0.00	0.00	0.002	O	|	|	|	0.00
172.667	0.00	0.00	0.002	O	|	|	|	0.00
172.750	0.00	0.00	0.002	O	|	|	|	0.00
172.833	0.00	0.00	0.002	O	|	|	|	0.00
172.917	0.00	0.00	0.002	O	|	|	|	0.00
173.000	0.00	0.00	0.002	O	|	|	|	0.00
173.083	0.00	0.00	0.002	O	|	|	|	0.00
173.167	0.00	0.00	0.002	O	|	|	|	0.00

173.250	0.00	0.00	0.002	O	|	|	|	|	0.00
173.333	0.00	0.00	0.002	O	|	|	|	|	0.00
173.417	0.00	0.00	0.002	O	|	|	|	|	0.00
173.500	0.00	0.00	0.002	O	|	|	|	|	0.00
173.583	0.00	0.00	0.002	O	|	|	|	|	0.00
173.667	0.00	0.00	0.002	O	|	|	|	|	0.00
173.750	0.00	0.00	0.002	O	|	|	|	|	0.00
173.833	0.00	0.00	0.002	O	|	|	|	|	0.00
173.917	0.00	0.00	0.002	O	|	|	|	|	0.00
174.000	0.00	0.00	0.002	O	|	|	|	|	0.00
174.083	0.00	0.00	0.002	O	|	|	|	|	0.00
174.167	0.00	0.00	0.002	O	|	|	|	|	0.00
174.250	0.00	0.00	0.002	O	|	|	|	|	0.00
174.333	0.00	0.00	0.002	O	|	|	|	|	0.00
174.417	0.00	0.00	0.002	O	|	|	|	|	0.00
174.500	0.00	0.00	0.002	O	|	|	|	|	0.00
174.583	0.00	0.00	0.002	O	|	|	|	|	0.00
174.667	0.00	0.00	0.002	O	|	|	|	|	0.00
174.750	0.00	0.00	0.002	O	|	|	|	|	0.00
174.833	0.00	0.00	0.002	O	|	|	|	|	0.00
174.917	0.00	0.00	0.002	O	|	|	|	|	0.00
175.000	0.00	0.00	0.002	O	|	|	|	|	0.00
175.083	0.00	0.00	0.002	O	|	|	|	|	0.00
175.167	0.00	0.00	0.002	O	|	|	|	|	0.00
175.250	0.00	0.00	0.002	O	|	|	|	|	0.00
175.333	0.00	0.00	0.002	O	|	|	|	|	0.00
175.417	0.00	0.00	0.002	O	|	|	|	|	0.00
175.500	0.00	0.00	0.002	O	|	|	|	|	0.00
175.583	0.00	0.00	0.002	O	|	|	|	|	0.00
175.667	0.00	0.00	0.001	O	|	|	|	|	0.00
175.750	0.00	0.00	0.001	O	|	|	|	|	0.00
175.833	0.00	0.00	0.001	O	|	|	|	|	0.00
175.917	0.00	0.00	0.001	O	|	|	|	|	0.00
176.000	0.00	0.00	0.001	O	|	|	|	|	0.00
176.083	0.00	0.00	0.001	O	|	|	|	|	0.00
176.167	0.00	0.00	0.001	O	|	|	|	|	0.00
176.250	0.00	0.00	0.001	O	|	|	|	|	0.00
176.333	0.00	0.00	0.001	O	|	|	|	|	0.00
176.417	0.00	0.00	0.001	O	|	|	|	|	0.00
176.500	0.00	0.00	0.001	O	|	|	|	|	0.00
176.583	0.00	0.00	0.001	O	|	|	|	|	0.00
176.667	0.00	0.00	0.001	O	|	|	|	|	0.00
176.750	0.00	0.00	0.001	O	|	|	|	|	0.00
176.833	0.00	0.00	0.001	O	|	|	|	|	0.00
176.917	0.00	0.00	0.001	O	|	|	|	|	0.00
177.000	0.00	0.00	0.001	O	|	|	|	|	0.00
177.083	0.00	0.00	0.001	O	|	|	|	|	0.00
177.167	0.00	0.00	0.001	O	|	|	|	|	0.00
177.250	0.00	0.00	0.001	O	|	|	|	|	0.00
177.333	0.00	0.00	0.001	O	|	|	|	|	0.00
177.417	0.00	0.00	0.001	O	|	|	|	|	0.00
177.500	0.00	0.00	0.001	O	|	|	|	|	0.00
177.583	0.00	0.00	0.001	O	|	|	|	|	0.00
177.667	0.00	0.00	0.001	O	|	|	|	|	0.00
177.750	0.00	0.00	0.001	O	|	|	|	|	0.00
177.833	0.00	0.00	0.001	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 2134
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 7.441 (CFS)
Total volume = 6.279 (Ac.Ft)

Status of hydrographs being held in storage

```
                Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
      Peak (CFS)      0.000     0.000     0.000     0.000     0.000
      Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
*******************************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/19/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRG1100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 15
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 71.488 (CFS)
Total volume = 2.126 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN G- ROUTING
100YR-1HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 15
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.380	0.290	0.379	0.381
2.000	0.810	0.440	0.808	0.812
3.000	1.300	0.550	1.298	1.302
4.000	1.840	0.650	1.838	1.842
5.000	2.440	0.730	2.437	2.443
6.000	3.100	0.800	3.097	3.103
7.000	3.820	1.470	3.815	3.825
8.000	4.610	25.330	4.523	4.697
9.000	5.500	124.380	5.072	5.928

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 17.9 35.74 53.62 71.49	Depth (Ft.)
0.083	4.05	0.01	0.014	OI | | | |	0.04

0.167	8.84	0.04	0.058	O	I	|	|	|	0.15
0.250	10.83	0.10	0.125	O	I	|	|	|	0.33
0.333	12.24	0.16	0.204	O	I	|	|	|	0.54
0.417	13.62	0.22	0.292	O	I	|	|	|	0.77
0.500	15.98	0.29	0.392	O	I	|	|	|	1.03
0.583	18.61	0.33	0.509	O	I	|	|	|	1.30
0.667	23.10	0.38	0.650	O	I	|	|	|	1.63
0.750	34.69	0.45	0.846	O	I	|	|	|	2.07
0.833	71.49	0.53	1.208	O	I	|	|	|	2.81
0.917	59.72	0.62	1.656	O	I	|	|	|	3.66
1.000	24.02	0.66	1.940	O	I	|	|	|	4.17
1.083	9.68	0.68	2.052	O	I	|	|	|	4.35
1.167	1.56	**0.68**	**2.086**	**O**	|	|	|	|	**4.41**
1.250	0.35	0.68	2.087	O	|	|	|	|	4.41
1.333	0.00	0.68	2.084	O	|	|	|	|	4.41
1.417	0.00	0.68	2.079	O	|	|	|	|	4.40
1.500	0.00	0.68	2.075	O	|	|	|	|	4.39
1.583	0.00	0.68	2.070	O	|	|	|	|	4.38
1.667	0.00	0.68	2.065	O	|	|	|	|	4.38
1.750	0.00	0.68	2.060	O	|	|	|	|	4.37
1.833	0.00	0.68	2.056	O	|	|	|	|	4.36
1.917	0.00	0.68	2.051	O	|	|	|	|	4.35
2.000	0.00	0.68	2.046	O	|	|	|	|	4.34
2.083	0.00	0.68	2.042	O	|	|	|	|	4.34
2.167	0.00	0.68	2.037	O	|	|	|	|	4.33
2.250	0.00	0.68	2.032	O	|	|	|	|	4.32
2.333	0.00	0.68	2.028	O	|	|	|	|	4.31
2.417	0.00	0.67	2.023	O	|	|	|	|	4.31
2.500	0.00	0.67	2.019	O	|	|	|	|	4.30
2.583	0.00	0.67	2.014	O	|	|	|	|	4.29
2.667	0.00	0.67	2.009	O	|	|	|	|	4.28
2.750	0.00	0.67	2.005	O	|	|	|	|	4.27
2.833	0.00	0.67	2.000	O	|	|	|	|	4.27
2.917	0.00	0.67	1.995	O	|	|	|	|	4.26
3.000	0.00	0.67	1.991	O	|	|	|	|	4.25
3.083	0.00	0.67	1.986	O	|	|	|	|	4.24
3.167	0.00	0.67	1.982	O	|	|	|	|	4.24
3.250	0.00	0.67	1.977	O	|	|	|	|	4.23
3.333	0.00	0.67	1.972	O	|	|	|	|	4.22
3.417	0.00	0.67	1.968	O	|	|	|	|	4.21
3.500	0.00	0.67	1.963	O	|	|	|	|	4.21
3.583	0.00	0.67	1.959	O	|	|	|	|	4.20
3.667	0.00	0.67	1.954	O	|	|	|	|	4.19
3.750	0.00	0.66	1.949	O	|	|	|	|	4.18
3.833	0.00	0.66	1.945	O	|	|	|	|	4.17
3.917	0.00	0.66	1.940	O	|	|	|	|	4.17
4.000	0.00	0.66	1.936	O	|	|	|	|	4.16
4.083	0.00	0.66	1.931	O	|	|	|	|	4.15
4.167	0.00	0.66	1.927	O	|	|	|	|	4.14
4.250	0.00	0.66	1.922	O	|	|	|	|	4.14
4.333	0.00	0.66	1.917	O	|	|	|	|	4.13
4.417	0.00	0.66	1.913	O	|	|	|	|	4.12
4.500	0.00	0.66	1.908	O	|	|	|	|	4.11
4.583	0.00	0.66	1.904	O	|	|	|	|	4.11
4.667	0.00	0.66	1.899	O	|	|	|	|	4.10
4.750	0.00	0.66	1.895	O	|	|	|	|	4.09
4.833	0.00	0.66	1.890	O	|	|	|	|	4.08
4.917	0.00	0.66	1.886	O	|	|	|	|	4.08
5.000	0.00	0.66	1.881	O	|	|	|	|	4.07
5.083	0.00	0.65	1.877	O	|	|	|	|	4.06
5.167	0.00	0.65	1.872	O	|	|	|	|	4.05
5.250	0.00	0.65	1.868	O	|	|	|	|	4.05
5.333	0.00	0.65	1.863	O	|	|	|	|	4.04
5.417	0.00	0.65	1.859	O	|	|	|	|	4.03
5.500	0.00	0.65	1.854	O	|	|	|	|	4.02
5.583	0.00	0.65	1.850	O	|	|	|	|	4.02
5.667	0.00	0.65	1.845	O	|	|	|	|	4.01

5.750	0.00	0.65	1.841	O				4.00
5.833	0.00	0.65	1.836	O				3.99
5.917	0.00	0.65	1.832	O				3.98
6.000	0.00	0.65	1.827	O				3.98
6.083	0.00	0.65	1.823	O				3.97
6.167	0.00	0.65	1.818	O				3.96
6.250	0.00	0.65	1.814	O				3.95
6.333	0.00	0.64	1.810	O				3.94
6.417	0.00	0.64	1.805	O				3.94
6.500	0.00	0.64	1.801	O				3.93
6.583	0.00	0.64	1.796	O				3.92
6.667	0.00	0.64	1.792	O				3.91
6.750	0.00	0.64	1.787	O				3.90
6.833	0.00	0.64	1.783	O				3.89
6.917	0.00	0.64	1.779	O				3.89
7.000	0.00	0.64	1.774	O				3.88
7.083	0.00	0.64	1.770	O				3.87
7.167	0.00	0.64	1.765	O				3.86
7.250	0.00	0.64	1.761	O				3.85
7.333	0.00	0.63	1.757	O				3.85
7.417	0.00	0.63	1.752	O				3.84
7.500	0.00	0.63	1.748	O				3.83
7.583	0.00	0.63	1.744	O				3.82
7.667	0.00	0.63	1.739	O				3.81
7.750	0.00	0.63	1.735	O				3.81
7.833	0.00	0.63	1.731	O				3.80
7.917	0.00	0.63	1.726	O				3.79
8.000	0.00	0.63	1.722	O				3.78
8.083	0.00	0.63	1.718	O				3.77
8.167	0.00	0.63	1.713	O				3.77
8.250	0.00	0.63	1.709	O				3.76
8.333	0.00	0.62	1.705	O				3.75
8.417	0.00	0.62	1.700	O				3.74
8.500	0.00	0.62	1.696	O				3.73
8.583	0.00	0.62	1.692	O				3.73
8.667	0.00	0.62	1.687	O				3.72
8.750	0.00	0.62	1.683	O				3.71
8.833	0.00	0.62	1.679	O				3.70
8.917	0.00	0.62	1.675	O				3.69
9.000	0.00	0.62	1.670	O				3.69
9.083	0.00	0.62	1.666	O				3.68
9.167	0.00	0.62	1.662	O				3.67
9.250	0.00	0.62	1.658	O				3.66
9.333	0.00	0.62	1.653	O				3.65
9.417	0.00	0.61	1.649	O				3.65
9.500	0.00	0.61	1.645	O				3.64
9.583	0.00	0.61	1.641	O				3.63
9.667	0.00	0.61	1.636	O				3.62
9.750	0.00	0.61	1.632	O				3.62
9.833	0.00	0.61	1.628	O				3.61
9.917	0.00	0.61	1.624	O				3.60
10.000	0.00	0.61	1.620	O				3.59
10.083	0.00	0.61	1.615	O				3.58
10.167	0.00	0.61	1.611	O				3.58
10.250	0.00	0.61	1.607	O				3.57
10.333	0.00	0.61	1.603	O				3.56
10.417	0.00	0.61	1.599	O				3.55
10.500	0.00	0.60	1.595	O				3.55
10.583	0.00	0.60	1.590	O				3.54
10.667	0.00	0.60	1.586	O				3.53
10.750	0.00	0.60	1.582	O				3.52
10.833	0.00	0.60	1.578	O				3.51
10.917	0.00	0.60	1.574	O				3.51
11.000	0.00	0.60	1.570	O				3.50
11.083	0.00	0.60	1.566	O				3.49
11.167	0.00	0.60	1.561	O				3.48
11.250	0.00	0.60	1.557	O				3.48

11.333	0.00	0.60	1.553	O	|	|	|	|	3.47
11.417	0.00	0.60	1.549	O	|	|	|	|	3.46
11.500	0.00	0.60	1.545	O	|	|	|	|	3.45
11.583	0.00	0.59	1.541	O	|	|	|	|	3.45
11.667	0.00	0.59	1.537	O	|	|	|	|	3.44
11.750	0.00	0.59	1.533	O	|	|	|	|	3.43
11.833	0.00	0.59	1.529	O	|	|	|	|	3.42
11.917	0.00	0.59	1.525	O	|	|	|	|	3.42
12.000	0.00	0.59	1.520	O	|	|	|	|	3.41
12.083	0.00	0.59	1.516	O	|	|	|	|	3.40
12.167	0.00	0.59	1.512	O	|	|	|	|	3.39
12.250	0.00	0.59	1.508	O	|	|	|	|	3.39
12.333	0.00	0.59	1.504	O	|	|	|	|	3.38
12.417	0.00	0.59	1.500	O	|	|	|	|	3.37
12.500	0.00	0.59	1.496	O	|	|	|	|	3.36
12.583	0.00	0.59	1.492	O	|	|	|	|	3.36
12.667	0.00	0.58	1.488	O	|	|	|	|	3.35
12.750	0.00	0.58	1.484	O	|	|	|	|	3.34
12.833	0.00	0.58	1.480	O	|	|	|	|	3.33
12.917	0.00	0.58	1.476	O	|	|	|	|	3.33
13.000	0.00	0.58	1.472	O	|	|	|	|	3.32
13.083	0.00	0.58	1.468	O	|	|	|	|	3.31
13.167	0.00	0.58	1.464	O	|	|	|	|	3.30
13.250	0.00	0.58	1.460	O	|	|	|	|	3.30
13.333	0.00	0.58	1.456	O	|	|	|	|	3.29
13.417	0.00	0.58	1.452	O	|	|	|	|	3.28
13.500	0.00	0.58	1.448	O	|	|	|	|	3.27
13.583	0.00	0.58	1.444	O	|	|	|	|	3.27
13.667	0.00	0.58	1.440	O	|	|	|	|	3.26
13.750	0.00	0.58	1.436	O	|	|	|	|	3.25
13.833	0.00	0.57	1.432	O	|	|	|	|	3.24
13.917	0.00	0.57	1.428	O	|	|	|	|	3.24
14.000	0.00	0.57	1.424	O	|	|	|	|	3.23
14.083	0.00	0.57	1.420	O	|	|	|	|	3.22
14.167	0.00	0.57	1.416	O	|	|	|	|	3.22
14.250	0.00	0.57	1.412	O	|	|	|	|	3.21
14.333	0.00	0.57	1.409	O	|	|	|	|	3.20
14.417	0.00	0.57	1.405	O	|	|	|	|	3.19
14.500	0.00	0.57	1.401	O	|	|	|	|	3.19
14.583	0.00	0.57	1.397	O	|	|	|	|	3.18
14.667	0.00	0.57	1.393	O	|	|	|	|	3.17
14.750	0.00	0.57	1.389	O	|	|	|	|	3.16
14.833	0.00	0.57	1.385	O	|	|	|	|	3.16
14.917	0.00	0.57	1.381	O	|	|	|	|	3.15
15.000	0.00	0.56	1.377	O	|	|	|	|	3.14
15.083	0.00	0.56	1.373	O	|	|	|	|	3.14
15.167	0.00	0.56	1.370	O	|	|	|	|	3.13
15.250	0.00	0.56	1.366	O	|	|	|	|	3.12
15.333	0.00	0.56	1.362	O	|	|	|	|	3.11
15.417	0.00	0.56	1.358	O	|	|	|	|	3.11
15.500	0.00	0.56	1.354	O	|	|	|	|	3.10
15.583	0.00	0.56	1.350	O	|	|	|	|	3.09
15.667	0.00	0.56	1.346	O	|	|	|	|	3.09
15.750	0.00	0.56	1.343	O	|	|	|	|	3.08
15.833	0.00	0.56	1.339	O	|	|	|	|	3.07
15.917	0.00	0.56	1.335	O	|	|	|	|	3.06
16.000	0.00	0.56	1.331	O	|	|	|	|	3.06
16.083	0.00	0.56	1.327	O	|	|	|	|	3.05
16.167	0.00	0.55	1.323	O	|	|	|	|	3.04
16.250	0.00	0.55	1.320	O	|	|	|	|	3.04
16.333	0.00	0.55	1.316	O	|	|	|	|	3.03
16.417	0.00	0.55	1.312	O	|	|	|	|	3.02
16.500	0.00	0.55	1.308	O	|	|	|	|	3.02
16.583	0.00	0.55	1.304	O	|	|	|	|	3.01
16.667	0.00	0.55	1.301	O	|	|	|	|	3.00
16.750	0.00	0.55	1.297	O	|	|	|	|	2.99
16.833	0.00	0.55	1.293	O	|	|	|	|	2.99

16.917	0.00	0.55	1.289	O	|	|	|	2.98
17.000	0.00	0.55	1.285	O	|	|	|	2.97
17.083	0.00	0.55	1.282	O	|	|	|	2.96
17.167	0.00	0.55	1.278	O	|	|	|	2.95
17.250	0.00	0.54	1.274	O	|	|	|	2.95
17.333	0.00	0.54	1.270	O	|	|	|	2.94
17.417	0.00	0.54	1.267	O	|	|	|	2.93
17.500	0.00	0.54	1.263	O	|	|	|	2.92
17.583	0.00	0.54	1.259	O	|	|	|	2.92
17.667	0.00	0.54	1.256	O	|	|	|	2.91
17.750	0.00	0.54	1.252	O	|	|	|	2.90
17.833	0.00	0.54	1.248	O	|	|	|	2.89
17.917	0.00	0.54	1.244	O	|	|	|	2.89
18.000	0.00	0.54	1.241	O	|	|	|	2.88
18.083	0.00	0.54	1.237	O	|	|	|	2.87
18.167	0.00	0.54	1.233	O	|	|	|	2.86
18.250	0.00	0.53	1.230	O	|	|	|	2.86
18.333	0.00	0.53	1.226	O	|	|	|	2.85
18.417	0.00	0.53	1.222	O	|	|	|	2.84
18.500	0.00	0.53	1.219	O	|	|	|	2.83
18.583	0.00	0.53	1.215	O	|	|	|	2.83
18.667	0.00	0.53	1.211	O	|	|	|	2.82
18.750	0.00	0.53	1.208	O	|	|	|	2.81
18.833	0.00	0.53	1.204	O	|	|	|	2.80
18.917	0.00	0.53	1.200	O	|	|	|	2.80
19.000	0.00	0.53	1.197	O	|	|	|	2.79
19.083	0.00	0.53	1.193	O	|	|	|	2.78
19.167	0.00	0.53	1.189	O	|	|	|	2.77
19.250	0.00	0.52	1.186	O	|	|	|	2.77
19.333	0.00	0.52	1.182	O	|	|	|	2.76
19.417	0.00	0.52	1.179	O	|	|	|	2.75
19.500	0.00	0.52	1.175	O	|	|	|	2.75
19.583	0.00	0.52	1.171	O	|	|	|	2.74
19.667	0.00	0.52	1.168	O	|	|	|	2.73
19.750	0.00	0.52	1.164	O	|	|	|	2.72
19.833	0.00	0.52	1.161	O	|	|	|	2.72
19.917	0.00	0.52	1.157	O	|	|	|	2.71
20.000	0.00	0.52	1.154	O	|	|	|	2.70
20.083	0.00	0.52	1.150	O	|	|	|	2.69
20.167	0.00	0.52	1.146	O	|	|	|	2.69
20.250	0.00	0.51	1.143	O	|	|	|	2.68
20.333	0.00	0.51	1.139	O	|	|	|	2.67
20.417	0.00	0.51	1.136	O	|	|	|	2.67
20.500	0.00	0.51	1.132	O	|	|	|	2.66
20.583	0.00	0.51	1.129	O	|	|	|	2.65
20.667	0.00	0.51	1.125	O	|	|	|	2.64
20.750	0.00	0.51	1.122	O	|	|	|	2.64
20.833	0.00	0.51	1.118	O	|	|	|	2.63
20.917	0.00	0.51	1.115	O	|	|	|	2.62
21.000	0.00	0.51	1.111	O	|	|	|	2.61
21.083	0.00	0.51	1.108	O	|	|	|	2.61
21.167	0.00	0.51	1.104	O	|	|	|	2.60
21.250	0.00	0.51	1.101	O	|	|	|	2.59
21.333	0.00	0.50	1.097	O	|	|	|	2.59
21.417	0.00	0.50	1.094	O	|	|	|	2.58
21.500	0.00	0.50	1.090	O	|	|	|	2.57
21.583	0.00	0.50	1.087	O	|	|	|	2.57
21.667	0.00	0.50	1.083	O	|	|	|	2.56
21.750	0.00	0.50	1.080	O	|	|	|	2.55
21.833	0.00	0.50	1.077	O	|	|	|	2.54
21.917	0.00	0.50	1.073	O	|	|	|	2.54
22.000	0.00	0.50	1.070	O	|	|	|	2.53
22.083	0.00	0.50	1.066	O	|	|	|	2.52
22.167	0.00	0.50	1.063	O	|	|	|	2.52
22.250	0.00	0.50	1.059	O	|	|	|	2.51
22.333	0.00	0.50	1.056	O	|	|	|	2.50
22.417	0.00	0.49	1.053	O	|	|	|	2.50

22.500	0.00	0.49	1.049	O	|	|	|	|	2.49
22.583	0.00	0.49	1.046	O	|	|	|	|	2.48
22.667	0.00	0.49	1.042	O	|	|	|	|	2.47
22.750	0.00	0.49	1.039	O	|	|	|	|	2.47
22.833	0.00	0.49	1.036	O	|	|	|	|	2.46
22.917	0.00	0.49	1.032	O	|	|	|	|	2.45
23.000	0.00	0.49	1.029	O	|	|	|	|	2.45
23.083	0.00	0.49	1.026	O	|	|	|	|	2.44
23.167	0.00	0.49	1.022	O	|	|	|	|	2.43
23.250	0.00	0.49	1.019	O	|	|	|	|	2.43
23.333	0.00	0.49	1.015	O	|	|	|	|	2.42
23.417	0.00	0.49	1.012	O	|	|	|	|	2.41
23.500	0.00	0.48	1.009	O	|	|	|	|	2.41
23.583	0.00	0.48	1.005	O	|	|	|	|	2.40
23.667	0.00	0.48	1.002	O	|	|	|	|	2.39
23.750	0.00	0.48	0.999	O	|	|	|	|	2.39
23.833	0.00	0.48	0.995	O	|	|	|	|	2.38
23.917	0.00	0.48	0.992	O	|	|	|	|	2.37
24.000	0.00	0.48	0.989	O	|	|	|	|	2.36
24.083	0.00	0.48	0.986	O	|	|	|	|	2.36
24.167	0.00	0.48	0.982	O	|	|	|	|	2.35
24.250	0.00	0.48	0.979	O	|	|	|	|	2.34
24.333	0.00	0.48	0.976	O	|	|	|	|	2.34
24.417	0.00	0.48	0.972	O	|	|	|	|	2.33
24.500	0.00	0.48	0.969	O	|	|	|	|	2.32
24.583	0.00	0.47	0.966	O	|	|	|	|	2.32
24.667	0.00	0.47	0.963	O	|	|	|	|	2.31
24.750	0.00	0.47	0.959	O	|	|	|	|	2.30
24.833	0.00	0.47	0.956	O	|	|	|	|	2.30
24.917	0.00	0.47	0.953	O	|	|	|	|	2.29
25.000	0.00	0.47	0.950	O	|	|	|	|	2.28
25.083	0.00	0.47	0.946	O	|	|	|	|	2.28
25.167	0.00	0.47	0.943	O	|	|	|	|	2.27
25.250	0.00	0.47	0.940	O	|	|	|	|	2.26
25.333	0.00	0.47	0.937	O	|	|	|	|	2.26
25.417	0.00	0.47	0.933	O	|	|	|	|	2.25
25.500	0.00	0.47	0.930	O	|	|	|	|	2.25
25.583	0.00	0.47	0.927	O	|	|	|	|	2.24
25.667	0.00	0.47	0.924	O	|	|	|	|	2.23
25.750	0.00	0.46	0.921	O	|	|	|	|	2.23
25.833	0.00	0.46	0.917	O	|	|	|	|	2.22
25.917	0.00	0.46	0.914	O	|	|	|	|	2.21
26.000	0.00	0.46	0.911	O	|	|	|	|	2.21
26.083	0.00	0.46	0.908	O	|	|	|	|	2.20
26.167	0.00	0.46	0.905	O	|	|	|	|	2.19
26.250	0.00	0.46	0.901	O	|	|	|	|	2.19
26.333	0.00	0.46	0.898	O	|	|	|	|	2.18
26.417	0.00	0.46	0.895	O	|	|	|	|	2.17
26.500	0.00	0.46	0.892	O	|	|	|	|	2.17
26.583	0.00	0.46	0.889	O	|	|	|	|	2.16
26.667	0.00	0.46	0.886	O	|	|	|	|	2.15
26.750	0.00	0.46	0.882	O	|	|	|	|	2.15
26.833	0.00	0.46	0.879	O	|	|	|	|	2.14
26.917	0.00	0.45	0.876	O	|	|	|	|	2.14
27.000	0.00	0.45	0.873	O	|	|	|	|	2.13
27.083	0.00	0.45	0.870	O	|	|	|	|	2.12
27.167	0.00	0.45	0.867	O	|	|	|	|	2.12
27.250	0.00	0.45	0.864	O	|	|	|	|	2.11
27.333	0.00	0.45	0.861	O	|	|	|	|	2.10
27.417	0.00	0.45	0.857	O	|	|	|	|	2.10
27.500	0.00	0.45	0.854	O	|	|	|	|	2.09
27.583	0.00	0.45	0.851	O	|	|	|	|	2.08
27.667	0.00	0.45	0.848	O	|	|	|	|	2.08
27.750	0.00	0.45	0.845	O	|	|	|	|	2.07
27.833	0.00	0.45	0.842	O	|	|	|	|	2.07
27.917	0.00	0.45	0.839	O	|	|	|	|	2.06
28.000	0.00	0.45	0.836	O	|	|	|	|	2.05

28.083	0.00	0.45	0.833	O	|	|	|	|	2.05
28.167	0.00	0.44	0.830	O	|	|	|	|	2.04
28.250	0.00	0.44	0.827	O	|	|	|	|	2.03
28.333	0.00	0.44	0.824	O	|	|	|	|	2.03
28.417	0.00	0.44	0.821	O	|	|	|	|	2.02
28.500	0.00	0.44	0.818	O	|	|	|	|	2.02
28.583	0.00	0.44	0.814	O	|	|	|	|	2.01
28.667	0.00	0.44	0.811	O	|	|	|	|	2.00
28.750	0.00	0.44	0.808	O	|	|	|	|	2.00
28.833	0.00	0.44	0.805	O	|	|	|	|	1.99
28.917	0.00	0.44	0.802	O	|	|	|	|	1.98
29.000	0.00	0.44	0.799	O	|	|	|	|	1.98
29.083	0.00	0.44	0.796	O	|	|	|	|	1.97
29.167	0.00	0.43	0.793	O	|	|	|	|	1.96
29.250	0.00	0.43	0.790	O	|	|	|	|	1.95
29.333	0.00	0.43	0.787	O	|	|	|	|	1.95
29.417	0.00	0.43	0.784	O	|	|	|	|	1.94
29.500	0.00	0.43	0.781	O	|	|	|	|	1.93
29.583	0.00	0.43	0.779	O	|	|	|	|	1.93
29.667	0.00	0.43	0.776	O	|	|	|	|	1.92
29.750	0.00	0.43	0.773	O	|	|	|	|	1.91
29.833	0.00	0.43	0.770	O	|	|	|	|	1.91
29.917	0.00	0.42	0.767	O	|	|	|	|	1.90
30.000	0.00	0.42	0.764	O	|	|	|	|	1.89
30.083	0.00	0.42	0.761	O	|	|	|	|	1.89
30.167	0.00	0.42	0.758	O	|	|	|	|	1.88
30.250	0.00	0.42	0.755	O	|	|	|	|	1.87
30.333	0.00	0.42	0.752	O	|	|	|	|	1.87
30.417	0.00	0.42	0.749	O	|	|	|	|	1.86
30.500	0.00	0.42	0.746	O	|	|	|	|	1.85
30.583	0.00	0.42	0.744	O	|	|	|	|	1.85
30.667	0.00	0.42	0.741	O	|	|	|	|	1.84
30.750	0.00	0.41	0.738	O	|	|	|	|	1.83
30.833	0.00	0.41	0.735	O	|	|	|	|	1.83
30.917	0.00	0.41	0.732	O	|	|	|	|	1.82
31.000	0.00	0.41	0.729	O	|	|	|	|	1.81
31.083	0.00	0.41	0.726	O	|	|	|	|	1.81
31.167	0.00	0.41	0.724	O	|	|	|	|	1.80
31.250	0.00	0.41	0.721	O	|	|	|	|	1.79
31.333	0.00	0.41	0.718	O	|	|	|	|	1.79
31.417	0.00	0.41	0.715	O	|	|	|	|	1.78
31.500	0.00	0.41	0.712	O	|	|	|	|	1.77
31.583	0.00	0.40	0.710	O	|	|	|	|	1.77
31.667	0.00	0.40	0.707	O	|	|	|	|	1.76
31.750	0.00	0.40	0.704	O	|	|	|	|	1.75
31.833	0.00	0.40	0.701	O	|	|	|	|	1.75
31.917	0.00	0.40	0.699	O	|	|	|	|	1.74
32.000	0.00	0.40	0.696	O	|	|	|	|	1.73
32.083	0.00	0.40	0.693	O	|	|	|	|	1.73
32.167	0.00	0.40	0.690	O	|	|	|	|	1.72
32.250	0.00	0.40	0.688	O	|	|	|	|	1.72
32.333	0.00	0.40	0.685	O	|	|	|	|	1.71
32.417	0.00	0.40	0.682	O	|	|	|	|	1.70
32.500	0.00	0.39	0.679	O	|	|	|	|	1.70
32.583	0.00	0.39	0.677	O	|	|	|	|	1.69
32.667	0.00	0.39	0.674	O	|	|	|	|	1.68
32.750	0.00	0.39	0.671	O	|	|	|	|	1.68
32.833	0.00	0.39	0.669	O	|	|	|	|	1.67
32.917	0.00	0.39	0.666	O	|	|	|	|	1.66
33.000	0.00	0.39	0.663	O	|	|	|	|	1.66
33.083	0.00	0.39	0.660	O	|	|	|	|	1.65
33.167	0.00	0.39	0.658	O	|	|	|	|	1.65
33.250	0.00	0.39	0.655	O	|	|	|	|	1.64
33.333	0.00	0.39	0.652	O	|	|	|	|	1.63
33.417	0.00	0.38	0.650	O	|	|	|	|	1.63
33.500	0.00	0.38	0.647	O	|	|	|	|	1.62
33.583	0.00	0.38	0.645	O	|	|	|	|	1.62

33.667	0.00	0.38	0.642	O	|	|	|	1.61
33.750	0.00	0.38	0.639	O	|	|	|	1.60
33.833	0.00	0.38	0.637	O	|	|	|	1.60
33.917	0.00	0.38	0.634	O	|	|	|	1.59
34.000	0.00	0.38	0.631	O	|	|	|	1.58
34.083	0.00	0.38	0.629	O	|	|	|	1.58
34.167	0.00	0.38	0.626	O	|	|	|	1.57
34.250	0.00	0.38	0.624	O	|	|	|	1.57
34.333	0.00	0.37	0.621	O	|	|	|	1.56
34.417	0.00	0.37	0.619	O	|	|	|	1.55
34.500	0.00	0.37	0.616	O	|	|	|	1.55
34.583	0.00	0.37	0.613	O	|	|	|	1.54
34.667	0.00	0.37	0.611	O	|	|	|	1.54
34.750	0.00	0.37	0.608	O	|	|	|	1.53
34.833	0.00	0.37	0.606	O	|	|	|	1.53
34.917	0.00	0.37	0.603	O	|	|	|	1.52
35.000	0.00	0.37	0.601	O	|	|	|	1.51
35.083	0.00	0.37	0.598	O	|	|	|	1.51
35.167	0.00	0.37	0.596	O	|	|	|	1.50
35.250	0.00	0.36	0.593	O	|	|	|	1.50
35.333	0.00	0.36	0.591	O	|	|	|	1.49
35.417	0.00	0.36	0.588	O	|	|	|	1.48
35.500	0.00	0.36	0.586	O	|	|	|	1.48
35.583	0.00	0.36	0.583	O	|	|	|	1.47
35.667	0.00	0.36	0.581	O	|	|	|	1.47
35.750	0.00	0.36	0.578	O	|	|	|	1.46
35.833	0.00	0.36	0.576	O	|	|	|	1.46
35.917	0.00	0.36	0.573	O	|	|	|	1.45
36.000	0.00	0.36	0.571	O	|	|	|	1.44
36.083	0.00	0.36	0.568	O	|	|	|	1.44
36.167	0.00	0.35	0.566	O	|	|	|	1.43
36.250	0.00	0.35	0.563	O	|	|	|	1.43
36.333	0.00	0.35	0.561	O	|	|	|	1.42
36.417	0.00	0.35	0.559	O	|	|	|	1.42
36.500	0.00	0.35	0.556	O	|	|	|	1.41
36.583	0.00	0.35	0.554	O	|	|	|	1.40
36.667	0.00	0.35	0.551	O	|	|	|	1.40
36.750	0.00	0.35	0.549	O	|	|	|	1.39
36.833	0.00	0.35	0.547	O	|	|	|	1.39
36.917	0.00	0.35	0.544	O	|	|	|	1.38
37.000	0.00	0.35	0.542	O	|	|	|	1.38
37.083	0.00	0.35	0.539	O	|	|	|	1.37
37.167	0.00	0.34	0.537	O	|	|	|	1.37
37.250	0.00	0.34	0.535	O	|	|	|	1.36
37.333	0.00	0.34	0.532	O	|	|	|	1.35
37.417	0.00	0.34	0.530	O	|	|	|	1.35
37.500	0.00	0.34	0.528	O	|	|	|	1.34
37.583	0.00	0.34	0.525	O	|	|	|	1.34
37.667	0.00	0.34	0.523	O	|	|	|	1.33
37.750	0.00	0.34	0.521	O	|	|	|	1.33
37.833	0.00	0.34	0.518	O	|	|	|	1.32
37.917	0.00	0.34	0.516	O	|	|	|	1.32
38.000	0.00	0.34	0.514	O	|	|	|	1.31
38.083	0.00	0.34	0.511	O	|	|	|	1.31
38.167	0.00	0.33	0.509	O	|	|	|	1.30
38.250	0.00	0.33	0.507	O	|	|	|	1.29
38.333	0.00	0.33	0.504	O	|	|	|	1.29
38.417	0.00	0.33	0.502	O	|	|	|	1.28
38.500	0.00	0.33	0.500	O	|	|	|	1.28
38.583	0.00	0.33	0.497	O	|	|	|	1.27
38.667	0.00	0.33	0.495	O	|	|	|	1.27
38.750	0.00	0.33	0.493	O	|	|	|	1.26
38.833	0.00	0.33	0.491	O	|	|	|	1.26
38.917	0.00	0.33	0.488	O	|	|	|	1.25
39.000	0.00	0.33	0.486	O	|	|	|	1.25
39.083	0.00	0.33	0.484	O	|	|	|	1.24
39.167	0.00	0.33	0.482	O	|	|	|	1.24

39.250	0.00	0.32	0.479	O	|	|	|	1.23
39.333	0.00	0.32	0.477	O	|	|	|	1.23
39.417	0.00	0.32	0.475	O	|	|	|	1.22
39.500	0.00	0.32	0.473	O	|	|	|	1.22
39.583	0.00	0.32	0.470	O	|	|	|	1.21
39.667	0.00	0.32	0.468	O	|	|	|	1.21
39.750	0.00	0.32	0.466	O	|	|	|	1.20
39.833	0.00	0.32	0.464	O	|	|	|	1.20
39.917	0.00	0.32	0.462	O	|	|	|	1.19
40.000	0.00	0.32	0.459	O	|	|	|	1.18
40.083	0.00	0.32	0.457	O	|	|	|	1.18
40.167	0.00	0.32	0.455	O	|	|	|	1.17
40.250	0.00	0.32	0.453	O	|	|	|	1.17
40.333	0.00	0.31	0.451	O	|	|	|	1.16
40.417	0.00	0.31	0.449	O	|	|	|	1.16
40.500	0.00	0.31	0.446	O	|	|	|	1.15
40.583	0.00	0.31	0.444	O	|	|	|	1.15
40.667	0.00	0.31	0.442	O	|	|	|	1.14
40.750	0.00	0.31	0.440	O	|	|	|	1.14
40.833	0.00	0.31	0.438	O	|	|	|	1.13
40.917	0.00	0.31	0.436	O	|	|	|	1.13
41.000	0.00	0.31	0.434	O	|	|	|	1.12
41.083	0.00	0.31	0.431	O	|	|	|	1.12
41.167	0.00	0.31	0.429	O	|	|	|	1.11
41.250	0.00	0.31	0.427	O	|	|	|	1.11
41.333	0.00	0.31	0.425	O	|	|	|	1.10
41.417	0.00	0.31	0.423	O	|	|	|	1.10
41.500	0.00	0.30	0.421	O	|	|	|	1.10
41.583	0.00	0.30	0.419	O	|	|	|	1.09
41.667	0.00	0.30	0.417	O	|	|	|	1.09
41.750	0.00	0.30	0.415	O	|	|	|	1.08
41.833	0.00	0.30	0.413	O	|	|	|	1.08
41.917	0.00	0.30	0.411	O	|	|	|	1.07
42.000	0.00	0.30	0.408	O	|	|	|	1.07
42.083	0.00	0.30	0.406	O	|	|	|	1.06
42.167	0.00	0.30	0.404	O	|	|	|	1.06
42.250	0.00	0.30	0.402	O	|	|	|	1.05
42.333	0.00	0.30	0.400	O	|	|	|	1.05
42.417	0.00	0.30	0.398	O	|	|	|	1.04
42.500	0.00	0.30	0.396	O	|	|	|	1.04
42.583	0.00	0.29	0.394	O	|	|	|	1.03
42.667	0.00	0.29	0.392	O	|	|	|	1.03
42.750	0.00	0.29	0.390	O	|	|	|	1.02
42.833	0.00	0.29	0.388	O	|	|	|	1.02
42.917	0.00	0.29	0.386	O	|	|	|	1.01
43.000	0.00	0.29	0.384	O	|	|	|	1.01
43.083	0.00	0.29	0.382	O	|	|	|	1.00
43.167	0.00	0.29	0.380	O	|	|	|	1.00
43.250	0.00	0.29	0.378	O	|	|	|	0.99
43.333	0.00	0.29	0.376	O	|	|	|	0.99
43.417	0.00	0.29	0.374	O	|	|	|	0.98
43.500	0.00	0.28	0.372	O	|	|	|	0.98
43.583	0.00	0.28	0.370	O	|	|	|	0.97
43.667	0.00	0.28	0.368	O	|	|	|	0.97
43.750	0.00	0.28	0.366	O	|	|	|	0.96
43.833	0.00	0.28	0.364	O	|	|	|	0.96
43.917	0.00	0.28	0.362	O	|	|	|	0.95
44.000	0.00	0.28	0.361	O	|	|	|	0.95
44.083	0.00	0.27	0.359	O	|	|	|	0.94
44.167	0.00	0.27	0.357	O	|	|	|	0.94
44.250	0.00	0.27	0.355	O	|	|	|	0.93
44.333	0.00	0.27	0.353	O	|	|	|	0.93
44.417	0.00	0.27	0.351	O	|	|	|	0.92
44.500	0.00	0.27	0.349	O	|	|	|	0.92
44.583	0.00	0.27	0.348	O	|	|	|	0.91
44.667	0.00	0.26	0.346	O	|	|	|	0.91
44.750	0.00	0.26	0.344	O	|	|	|	0.90

44.833	0.00	0.26	0.342	O	|	|	|	0.90
44.917	0.00	0.26	0.340	O	|	|	|	0.90
45.000	0.00	0.26	0.339	O	|	|	|	0.89
45.083	0.00	0.26	0.337	O	|	|	|	0.89
45.167	0.00	0.26	0.335	O	|	|	|	0.88
45.250	0.00	0.25	0.333	O	|	|	|	0.88
45.333	0.00	0.25	0.331	O	|	|	|	0.87
45.417	0.00	0.25	0.330	O	|	|	|	0.87
45.500	0.00	0.25	0.328	O	|	|	|	0.86
45.583	0.00	0.25	0.326	O	|	|	|	0.86
45.667	0.00	0.25	0.325	O	|	|	|	0.85
45.750	0.00	0.25	0.323	O	|	|	|	0.85
45.833	0.00	0.25	0.321	O	|	|	|	0.85
45.917	0.00	0.24	0.320	O	|	|	|	0.84
46.000	0.00	0.24	0.318	O	|	|	|	0.84
46.083	0.00	0.24	0.316	O	|	|	|	0.83
46.167	0.00	0.24	0.315	O	|	|	|	0.83
46.250	0.00	0.24	0.313	O	|	|	|	0.82
46.333	0.00	0.24	0.311	O	|	|	|	0.82
46.417	0.00	0.24	0.310	O	|	|	|	0.81
46.500	0.00	0.24	0.308	O	|	|	|	0.81
46.583	0.00	0.23	0.306	O	|	|	|	0.81
46.667	0.00	0.23	0.305	O	|	|	|	0.80
46.750	0.00	0.23	0.303	O	|	|	|	0.80
46.833	0.00	0.23	0.302	O	|	|	|	0.79
46.917	0.00	0.23	0.300	O	|	|	|	0.79
47.000	0.00	0.23	0.298	O	|	|	|	0.79
47.083	0.00	0.23	0.297	O	|	|	|	0.78
47.167	0.00	0.23	0.295	O	|	|	|	0.78
47.250	0.00	0.22	0.294	O	|	|	|	0.77
47.333	0.00	0.22	0.292	O	|	|	|	0.77
47.417	0.00	0.22	0.291	O	|	|	|	0.76
47.500	0.00	0.22	0.289	O	|	|	|	0.76
47.583	0.00	0.22	0.288	O	|	|	|	0.76
47.667	0.00	0.22	0.286	O	|	|	|	0.75
47.750	0.00	0.22	0.285	O	|	|	|	0.75
47.833	0.00	0.22	0.283	O	|	|	|	0.75
47.917	0.00	0.21	0.282	O	|	|	|	0.74
48.000	0.00	0.21	0.280	O	|	|	|	0.74
48.083	0.00	0.21	0.279	O	|	|	|	0.73
48.167	0.00	0.21	0.277	O	|	|	|	0.73
48.250	0.00	0.21	0.276	O	|	|	|	0.73
48.333	0.00	0.21	0.274	O	|	|	|	0.72
48.417	0.00	0.21	0.273	O	|	|	|	0.72
48.500	0.00	0.21	0.271	O	|	|	|	0.71
48.583	0.00	0.21	0.270	O	|	|	|	0.71
48.667	0.00	0.21	0.269	O	|	|	|	0.71
48.750	0.00	0.20	0.267	O	|	|	|	0.70
48.833	0.00	0.20	0.266	O	|	|	|	0.70
48.917	0.00	0.20	0.264	O	|	|	|	0.70
49.000	0.00	0.20	0.263	O	|	|	|	0.69
49.083	0.00	0.20	0.262	O	|	|	|	0.69
49.167	0.00	0.20	0.260	O	|	|	|	0.68
49.250	0.00	0.20	0.259	O	|	|	|	0.68
49.333	0.00	0.20	0.258	O	|	|	|	0.68
49.417	0.00	0.20	0.256	O	|	|	|	0.67
49.500	0.00	0.19	0.255	O	|	|	|	0.67
49.583	0.00	0.19	0.254	O	|	|	|	0.67
49.667	0.00	0.19	0.252	O	|	|	|	0.66
49.750	0.00	0.19	0.251	O	|	|	|	0.66
49.833	0.00	0.19	0.250	O	|	|	|	0.66
49.917	0.00	0.19	0.248	O	|	|	|	0.65
50.000	0.00	0.19	0.247	O	|	|	|	0.65
50.083	0.00	0.19	0.246	O	|	|	|	0.65
50.167	0.00	0.19	0.244	O	|	|	|	0.64
50.250	0.00	0.19	0.243	O	|	|	|	0.64
50.333	0.00	0.18	0.242	O	|	|	|	0.64

50.417	0.00	0.18	0.241	O	|	|	|	0.63
50.500	0.00	0.18	0.239	O	|	|	|	0.63
50.583	0.00	0.18	0.238	O	|	|	|	0.63
50.667	0.00	0.18	0.237	O	|	|	|	0.62
50.750	0.00	0.18	0.236	O	|	|	|	0.62
50.833	0.00	0.18	0.234	O	|	|	|	0.62
50.917	0.00	0.18	0.233	O	|	|	|	0.61
51.000	0.00	0.18	0.232	O	|	|	|	0.61
51.083	0.00	0.18	0.231	O	|	|	|	0.61
51.167	0.00	0.18	0.229	O	|	|	|	0.60
51.250	0.00	0.17	0.228	O	|	|	|	0.60
51.333	0.00	0.17	0.227	O	|	|	|	0.60
51.417	0.00	0.17	0.226	O	|	|	|	0.59
51.500	0.00	0.17	0.225	O	|	|	|	0.59
51.583	0.00	0.17	0.223	O	|	|	|	0.59
51.667	0.00	0.17	0.222	O	|	|	|	0.59
51.750	0.00	0.17	0.221	O	|	|	|	0.58
51.833	0.00	0.17	0.220	O	|	|	|	0.58
51.917	0.00	0.17	0.219	O	|	|	|	0.58
52.000	0.00	0.17	0.218	O	|	|	|	0.57
52.083	0.00	0.17	0.217	O	|	|	|	0.57
52.167	0.00	0.16	0.215	O	|	|	|	0.57
52.250	0.00	0.16	0.214	O	|	|	|	0.56
52.333	0.00	0.16	0.213	O	|	|	|	0.56
52.417	0.00	0.16	0.212	O	|	|	|	0.56
52.500	0.00	0.16	0.211	O	|	|	|	0.56
52.583	0.00	0.16	0.210	O	|	|	|	0.55
52.667	0.00	0.16	0.209	O	|	|	|	0.55
52.750	0.00	0.16	0.208	O	|	|	|	0.55
52.833	0.00	0.16	0.207	O	|	|	|	0.54
52.917	0.00	0.16	0.205	O	|	|	|	0.54
53.000	0.00	0.16	0.204	O	|	|	|	0.54
53.083	0.00	0.16	0.203	O	|	|	|	0.54
53.167	0.00	0.15	0.202	O	|	|	|	0.53
53.250	0.00	0.15	0.201	O	|	|	|	0.53
53.333	0.00	0.15	0.200	O	|	|	|	0.53
53.417	0.00	0.15	0.199	O	|	|	|	0.52
53.500	0.00	0.15	0.198	O	|	|	|	0.52
53.583	0.00	0.15	0.197	O	|	|	|	0.52
53.667	0.00	0.15	0.196	O	|	|	|	0.52
53.750	0.00	0.15	0.195	O	|	|	|	0.51
53.833	0.00	0.15	0.194	O	|	|	|	0.51
53.917	0.00	0.15	0.193	O	|	|	|	0.51
54.000	0.00	0.15	0.192	O	|	|	|	0.50
54.083	0.00	0.15	0.191	O	|	|	|	0.50
54.167	0.00	0.14	0.190	O	|	|	|	0.50
54.250	0.00	0.14	0.189	O	|	|	|	0.50
54.333	0.00	0.14	0.188	O	|	|	|	0.49
54.417	0.00	0.14	0.187	O	|	|	|	0.49
54.500	0.00	0.14	0.186	O	|	|	|	0.49
54.583	0.00	0.14	0.185	O	|	|	|	0.49
54.667	0.00	0.14	0.184	O	|	|	|	0.48
54.750	0.00	0.14	0.183	O	|	|	|	0.48
54.833	0.00	0.14	0.182	O	|	|	|	0.48
54.917	0.00	0.14	0.181	O	|	|	|	0.48
55.000	0.00	0.14	0.180	O	|	|	|	0.47
55.083	0.00	0.14	0.179	O	|	|	|	0.47
55.167	0.00	0.14	0.178	O	|	|	|	0.47
55.250	0.00	0.14	0.177	O	|	|	|	0.47
55.333	0.00	0.13	0.176	O	|	|	|	0.46
55.417	0.00	0.13	0.175	O	|	|	|	0.46
55.500	0.00	0.13	0.175	O	|	|	|	0.46
55.583	0.00	0.13	0.174	O	|	|	|	0.46
55.667	0.00	0.13	0.173	O	|	|	|	0.45
55.750	0.00	0.13	0.172	O	|	|	|	0.45
55.833	0.00	0.13	0.171	O	|	|	|	0.45
55.917	0.00	0.13	0.170	O	|	|	|	0.45

56.000	0.00	0.13	0.169	O	|	|	|	|	0.45
56.083	0.00	0.13	0.168	O	|	|	|	|	0.44
56.167	0.00	0.13	0.167	O	|	|	|	|	0.44
56.250	0.00	0.13	0.167	O	|	|	|	|	0.44
56.333	0.00	0.13	0.166	O	|	|	|	|	0.44
56.417	0.00	0.13	0.165	O	|	|	|	|	0.43
56.500	0.00	0.13	0.164	O	|	|	|	|	0.43
56.583	0.00	0.12	0.163	O	|	|	|	|	0.43
56.667	0.00	0.12	0.162	O	|	|	|	|	0.43
56.750	0.00	0.12	0.161	O	|	|	|	|	0.42
56.833	0.00	0.12	0.160	O	|	|	|	|	0.42
56.917	0.00	0.12	0.160	O	|	|	|	|	0.42
57.000	0.00	0.12	0.159	O	|	|	|	|	0.42
57.083	0.00	0.12	0.158	O	|	|	|	|	0.42
57.167	0.00	0.12	0.157	O	|	|	|	|	0.41
57.250	0.00	0.12	0.156	O	|	|	|	|	0.41
57.333	0.00	0.12	0.156	O	|	|	|	|	0.41
57.417	0.00	0.12	0.155	O	|	|	|	|	0.41
57.500	0.00	0.12	0.154	O	|	|	|	|	0.40
57.583	0.00	0.12	0.153	O	|	|	|	|	0.40
57.667	0.00	0.12	0.152	O	|	|	|	|	0.40
57.750	0.00	0.12	0.151	O	|	|	|	|	0.40
57.833	0.00	0.11	0.151	O	|	|	|	|	0.40
57.917	0.00	0.11	0.150	O	|	|	|	|	0.39
58.000	0.00	0.11	0.149	O	|	|	|	|	0.39
58.083	0.00	0.11	0.148	O	|	|	|	|	0.39
58.167	0.00	0.11	0.148	O	|	|	|	|	0.39
58.250	0.00	0.11	0.147	O	|	|	|	|	0.39
58.333	0.00	0.11	0.146	O	|	|	|	|	0.38
58.417	0.00	0.11	0.145	O	|	|	|	|	0.38
58.500	0.00	0.11	0.144	O	|	|	|	|	0.38
58.583	0.00	0.11	0.144	O	|	|	|	|	0.38
58.667	0.00	0.11	0.143	O	|	|	|	|	0.38
58.750	0.00	0.11	0.142	O	|	|	|	|	0.37
58.833	0.00	0.11	0.141	O	|	|	|	|	0.37
58.917	0.00	0.11	0.141	O	|	|	|	|	0.37
59.000	0.00	0.11	0.140	O	|	|	|	|	0.37
59.083	0.00	0.11	0.139	O	|	|	|	|	0.37
59.167	0.00	0.11	0.139	O	|	|	|	|	0.36
59.250	0.00	0.11	0.138	O	|	|	|	|	0.36
59.333	0.00	0.10	0.137	O	|	|	|	|	0.36
59.417	0.00	0.10	0.136	O	|	|	|	|	0.36
59.500	0.00	0.10	0.136	O	|	|	|	|	0.36
59.583	0.00	0.10	0.135	O	|	|	|	|	0.36
59.667	0.00	0.10	0.134	O	|	|	|	|	0.35
59.750	0.00	0.10	0.134	O	|	|	|	|	0.35
59.833	0.00	0.10	0.133	O	|	|	|	|	0.35
59.917	0.00	0.10	0.132	O	|	|	|	|	0.35
60.000	0.00	0.10	0.131	O	|	|	|	|	0.35
60.083	0.00	0.10	0.131	O	|	|	|	|	0.34
60.167	0.00	0.10	0.130	O	|	|	|	|	0.34
60.250	0.00	0.10	0.129	O	|	|	|	|	0.34
60.333	0.00	0.10	0.129	O	|	|	|	|	0.34
60.417	0.00	0.10	0.128	O	|	|	|	|	0.34
60.500	0.00	0.10	0.127	O	|	|	|	|	0.34
60.583	0.00	0.10	0.127	O	|	|	|	|	0.33
60.667	0.00	0.10	0.126	O	|	|	|	|	0.33
60.750	0.00	0.10	0.125	O	|	|	|	|	0.33
60.833	0.00	0.10	0.125	O	|	|	|	|	0.33
60.917	0.00	0.09	0.124	O	|	|	|	|	0.33
61.000	0.00	0.09	0.123	O	|	|	|	|	0.32
61.083	0.00	0.09	0.123	O	|	|	|	|	0.32
61.167	0.00	0.09	0.122	O	|	|	|	|	0.32
61.250	0.00	0.09	0.121	O	|	|	|	|	0.32
61.333	0.00	0.09	0.121	O	|	|	|	|	0.32
61.417	0.00	0.09	0.120	O	|	|	|	|	0.32
61.500	0.00	0.09	0.120	O	|	|	|	|	0.31

61.583	0.00	0.09	0.119	O	|	|	|	0.31
61.667	0.00	0.09	0.118	O	|	|	|	0.31
61.750	0.00	0.09	0.118	O	|	|	|	0.31
61.833	0.00	0.09	0.117	O	|	|	|	0.31
61.917	0.00	0.09	0.116	O	|	|	|	0.31
62.000	0.00	0.09	0.116	O	|	|	|	0.30
62.083	0.00	0.09	0.115	O	|	|	|	0.30
62.167	0.00	0.09	0.115	O	|	|	|	0.30
62.250	0.00	0.09	0.114	O	|	|	|	0.30
62.333	0.00	0.09	0.113	O	|	|	|	0.30
62.417	0.00	0.09	0.113	O	|	|	|	0.30
62.500	0.00	0.09	0.112	O	|	|	|	0.30
62.583	0.00	0.09	0.112	O	|	|	|	0.29
62.667	0.00	0.08	0.111	O	|	|	|	0.29
62.750	0.00	0.08	0.111	O	|	|	|	0.29
62.833	0.00	0.08	0.110	O	|	|	|	0.29
62.917	0.00	0.08	0.109	O	|	|	|	0.29
63.000	0.00	0.08	0.109	O	|	|	|	0.29
63.083	0.00	0.08	0.108	O	|	|	|	0.28
63.167	0.00	0.08	0.108	O	|	|	|	0.28
63.250	0.00	0.08	0.107	O	|	|	|	0.28
63.333	0.00	0.08	0.107	O	|	|	|	0.28
63.417	0.00	0.08	0.106	O	|	|	|	0.28
63.500	0.00	0.08	0.105	O	|	|	|	0.28
63.583	0.00	0.08	0.105	O	|	|	|	0.28
63.667	0.00	0.08	0.104	O	|	|	|	0.27
63.750	0.00	0.08	0.104	O	|	|	|	0.27
63.833	0.00	0.08	0.103	O	|	|	|	0.27
63.917	0.00	0.08	0.103	O	|	|	|	0.27
64.000	0.00	0.08	0.102	O	|	|	|	0.27
64.083	0.00	0.08	0.102	O	|	|	|	0.27
64.167	0.00	0.08	0.101	O	|	|	|	0.27
64.250	0.00	0.08	0.101	O	|	|	|	0.26
64.333	0.00	0.08	0.100	O	|	|	|	0.26
64.417	0.00	0.08	0.099	O	|	|	|	0.26
64.500	0.00	0.08	0.099	O	|	|	|	0.26
64.583	0.00	0.08	0.098	O	|	|	|	0.26
64.667	0.00	0.07	0.098	O	|	|	|	0.26
64.750	0.00	0.07	0.097	O	|	|	|	0.26
64.833	0.00	0.07	0.097	O	|	|	|	0.25
64.917	0.00	0.07	0.096	O	|	|	|	0.25
65.000	0.00	0.07	0.096	O	|	|	|	0.25
65.083	0.00	0.07	0.095	O	|	|	|	0.25
65.167	0.00	0.07	0.095	O	|	|	|	0.25
65.250	0.00	0.07	0.094	O	|	|	|	0.25
65.333	0.00	0.07	0.094	O	|	|	|	0.25
65.417	0.00	0.07	0.093	O	|	|	|	0.25
65.500	0.00	0.07	0.093	O	|	|	|	0.24
65.583	0.00	0.07	0.092	O	|	|	|	0.24
65.667	0.00	0.07	0.092	O	|	|	|	0.24
65.750	0.00	0.07	0.091	O	|	|	|	0.24
65.833	0.00	0.07	0.091	O	|	|	|	0.24
65.917	0.00	0.07	0.090	O	|	|	|	0.24
66.000	0.00	0.07	0.090	O	|	|	|	0.24
66.083	0.00	0.07	0.090	O	|	|	|	0.24
66.167	0.00	0.07	0.089	O	|	|	|	0.23
66.250	0.00	0.07	0.089	O	|	|	|	0.23
66.333	0.00	0.07	0.088	O	|	|	|	0.23
66.417	0.00	0.07	0.088	O	|	|	|	0.23
66.500	0.00	0.07	0.087	O	|	|	|	0.23
66.583	0.00	0.07	0.087	O	|	|	|	0.23
66.667	0.00	0.07	0.086	O	|	|	|	0.23
66.750	0.00	0.07	0.086	O	|	|	|	0.23
66.833	0.00	0.07	0.085	O	|	|	|	0.22
66.917	0.00	0.06	0.085	O	|	|	|	0.22
67.000	0.00	0.06	0.085	O	|	|	|	0.22
67.083	0.00	0.06	0.084	O	|	|	|	0.22

67.167	0.00	0.06	0.084	O	|	|	|	|	0.22
67.250	0.00	0.06	0.083	O	|	|	|	|	0.22
67.333	0.00	0.06	0.083	O	|	|	|	|	0.22
67.417	0.00	0.06	0.082	O	|	|	|	|	0.22
67.500	0.00	0.06	0.082	O	|	|	|	|	0.22
67.583	0.00	0.06	0.081	O	|	|	|	|	0.21
67.667	0.00	0.06	0.081	O	|	|	|	|	0.21
67.750	0.00	0.06	0.081	O	|	|	|	|	0.21
67.833	0.00	0.06	0.080	O	|	|	|	|	0.21
67.917	0.00	0.06	0.080	O	|	|	|	|	0.21
68.000	0.00	0.06	0.079	O	|	|	|	|	0.21
68.083	0.00	0.06	0.079	O	|	|	|	|	0.21
68.167	0.00	0.06	0.079	O	|	|	|	|	0.21
68.250	0.00	0.06	0.078	O	|	|	|	|	0.21
68.333	0.00	0.06	0.078	O	|	|	|	|	0.20
68.417	0.00	0.06	0.077	O	|	|	|	|	0.20
68.500	0.00	0.06	0.077	O	|	|	|	|	0.20
68.583	0.00	0.06	0.076	O	|	|	|	|	0.20
68.667	0.00	0.06	0.076	O	|	|	|	|	0.20
68.750	0.00	0.06	0.076	O	|	|	|	|	0.20
68.833	0.00	0.06	0.075	O	|	|	|	|	0.20
68.917	0.00	0.06	0.075	O	|	|	|	|	0.20
69.000	0.00	0.06	0.075	O	|	|	|	|	0.20
69.083	0.00	0.06	0.074	O	|	|	|	|	0.20
69.167	0.00	0.06	0.074	O	|	|	|	|	0.19
69.250	0.00	0.06	0.073	O	|	|	|	|	0.19
69.333	0.00	0.06	0.073	O	|	|	|	|	0.19
69.417	0.00	0.06	0.073	O	|	|	|	|	0.19
69.500	0.00	0.06	0.072	O	|	|	|	|	0.19
69.583	0.00	0.05	0.072	O	|	|	|	|	0.19
69.667	0.00	0.05	0.071	O	|	|	|	|	0.19
69.750	0.00	0.05	0.071	O	|	|	|	|	0.19
69.833	0.00	0.05	0.071	O	|	|	|	|	0.19
69.917	0.00	0.05	0.070	O	|	|	|	|	0.19
70.000	0.00	0.05	0.070	O	|	|	|	|	0.18
70.083	0.00	0.05	0.070	O	|	|	|	|	0.18
70.167	0.00	0.05	0.069	O	|	|	|	|	0.18
70.250	0.00	0.05	0.069	O	|	|	|	|	0.18
70.333	0.00	0.05	0.068	O	|	|	|	|	0.18
70.417	0.00	0.05	0.068	O	|	|	|	|	0.18
70.500	0.00	0.05	0.068	O	|	|	|	|	0.18
70.583	0.00	0.05	0.067	O	|	|	|	|	0.18
70.667	0.00	0.05	0.067	O	|	|	|	|	0.18
70.750	0.00	0.05	0.067	O	|	|	|	|	0.18
70.833	0.00	0.05	0.066	O	|	|	|	|	0.17
70.917	0.00	0.05	0.066	O	|	|	|	|	0.17
71.000	0.00	0.05	0.066	O	|	|	|	|	0.17
71.083	0.00	0.05	0.065	O	|	|	|	|	0.17
71.167	0.00	0.05	0.065	O	|	|	|	|	0.17
71.250	0.00	0.05	0.065	O	|	|	|	|	0.17
71.333	0.00	0.05	0.064	O	|	|	|	|	0.17
71.417	0.00	0.05	0.064	O	|	|	|	|	0.17
71.500	0.00	0.05	0.064	O	|	|	|	|	0.17
71.583	0.00	0.05	0.063	O	|	|	|	|	0.17
71.667	0.00	0.05	0.063	O	|	|	|	|	0.17
71.750	0.00	0.05	0.063	O	|	|	|	|	0.16
71.833	0.00	0.05	0.062	O	|	|	|	|	0.16
71.917	0.00	0.05	0.062	O	|	|	|	|	0.16
72.000	0.00	0.05	0.062	O	|	|	|	|	0.16
72.083	0.00	0.05	0.061	O	|	|	|	|	0.16
72.167	0.00	0.05	0.061	O	|	|	|	|	0.16
72.250	0.00	0.05	0.061	O	|	|	|	|	0.16
72.333	0.00	0.05	0.060	O	|	|	|	|	0.16
72.417	0.00	0.05	0.060	O	|	|	|	|	0.16
72.500	0.00	0.05	0.060	O	|	|	|	|	0.16
72.583	0.00	0.05	0.059	O	|	|	|	|	0.16
72.667	0.00	0.05	0.059	O	|	|	|	|	0.16

72.750	0.00	0.04	0.059	O	|	|	|	0.15
72.833	0.00	0.04	0.059	O	|	|	|	0.15
72.917	0.00	0.04	0.058	O	|	|	|	0.15
73.000	0.00	0.04	0.058	O	|	|	|	0.15
73.083	0.00	0.04	0.058	O	|	|	|	0.15
73.167	0.00	0.04	0.057	O	|	|	|	0.15
73.250	0.00	0.04	0.057	O	|	|	|	0.15
73.333	0.00	0.04	0.057	O	|	|	|	0.15
73.417	0.00	0.04	0.056	O	|	|	|	0.15
73.500	0.00	0.04	0.056	O	|	|	|	0.15
73.583	0.00	0.04	0.056	O	|	|	|	0.15
73.667	0.00	0.04	0.056	O	|	|	|	0.15
73.750	0.00	0.04	0.055	O	|	|	|	0.15
73.833	0.00	0.04	0.055	O	|	|	|	0.14
73.917	0.00	0.04	0.055	O	|	|	|	0.14
74.000	0.00	0.04	0.054	O	|	|	|	0.14
74.083	0.00	0.04	0.054	O	|	|	|	0.14
74.167	0.00	0.04	0.054	O	|	|	|	0.14
74.250	0.00	0.04	0.054	O	|	|	|	0.14
74.333	0.00	0.04	0.053	O	|	|	|	0.14
74.417	0.00	0.04	0.053	O	|	|	|	0.14
74.500	0.00	0.04	0.053	O	|	|	|	0.14
74.583	0.00	0.04	0.052	O	|	|	|	0.14
74.667	0.00	0.04	0.052	O	|	|	|	0.14
74.750	0.00	0.04	0.052	O	|	|	|	0.14
74.833	0.00	0.04	0.052	O	|	|	|	0.14
74.917	0.00	0.04	0.051	O	|	|	|	0.14
75.000	0.00	0.04	0.051	O	|	|	|	0.13
75.083	0.00	0.04	0.051	O	|	|	|	0.13
75.167	0.00	0.04	0.050	O	|	|	|	0.13
75.250	0.00	0.04	0.050	O	|	|	|	0.13
75.333	0.00	0.04	0.050	O	|	|	|	0.13
75.417	0.00	0.04	0.050	O	|	|	|	0.13
75.500	0.00	0.04	0.049	O	|	|	|	0.13
75.583	0.00	0.04	0.049	O	|	|	|	0.13
75.667	0.00	0.04	0.049	O	|	|	|	0.13
75.750	0.00	0.04	0.049	O	|	|	|	0.13
75.833	0.00	0.04	0.048	O	|	|	|	0.13
75.917	0.00	0.04	0.048	O	|	|	|	0.13
76.000	0.00	0.04	0.048	O	|	|	|	0.13
76.083	0.00	0.04	0.048	O	|	|	|	0.13
76.167	0.00	0.04	0.047	O	|	|	|	0.12
76.250	0.00	0.04	0.047	O	|	|	|	0.12
76.333	0.00	0.04	0.047	O	|	|	|	0.12
76.417	0.00	0.04	0.047	O	|	|	|	0.12
76.500	0.00	0.04	0.046	O	|	|	|	0.12
76.583	0.00	0.04	0.046	O	|	|	|	0.12
76.667	0.00	0.04	0.046	O	|	|	|	0.12
76.750	0.00	0.03	0.046	O	|	|	|	0.12
76.833	0.00	0.03	0.045	O	|	|	|	0.12
76.917	0.00	0.03	0.045	O	|	|	|	0.12
77.000	0.00	0.03	0.045	O	|	|	|	0.12
77.083	0.00	0.03	0.045	O	|	|	|	0.12
77.167	0.00	0.03	0.045	O	|	|	|	0.12
77.250	0.00	0.03	0.044	O	|	|	|	0.12
77.333	0.00	0.03	0.044	O	|	|	|	0.12
77.417	0.00	0.03	0.044	O	|	|	|	0.12
77.500	0.00	0.03	0.044	O	|	|	|	0.11
77.583	0.00	0.03	0.043	O	|	|	|	0.11
77.667	0.00	0.03	0.043	O	|	|	|	0.11
77.750	0.00	0.03	0.043	O	|	|	|	0.11
77.833	0.00	0.03	0.043	O	|	|	|	0.11
77.917	0.00	0.03	0.042	O	|	|	|	0.11
78.000	0.00	0.03	0.042	O	|	|	|	0.11
78.083	0.00	0.03	0.042	O	|	|	|	0.11
78.167	0.00	0.03	0.042	O	|	|	|	0.11
78.250	0.00	0.03	0.042	O	|	|	|	0.11

78.333	0.00	0.03	0.041	O	|	|	|	|	0.11
78.417	0.00	0.03	0.041	O	|	|	|	|	0.11
78.500	0.00	0.03	0.041	O	|	|	|	|	0.11
78.583	0.00	0.03	0.041	O	|	|	|	|	0.11
78.667	0.00	0.03	0.040	O	|	|	|	|	0.11
78.750	0.00	0.03	0.040	O	|	|	|	|	0.11
78.833	0.00	0.03	0.040	O	|	|	|	|	0.11
78.917	0.00	0.03	0.040	O	|	|	|	|	0.10
79.000	0.00	0.03	0.040	O	|	|	|	|	0.10
79.083	0.00	0.03	0.039	O	|	|	|	|	0.10
79.167	0.00	0.03	0.039	O	|	|	|	|	0.10
79.250	0.00	0.03	0.039	O	|	|	|	|	0.10
79.333	0.00	0.03	0.039	O	|	|	|	|	0.10
79.417	0.00	0.03	0.039	O	|	|	|	|	0.10
79.500	0.00	0.03	0.038	O	|	|	|	|	0.10
79.583	0.00	0.03	0.038	O	|	|	|	|	0.10
79.667	0.00	0.03	0.038	O	|	|	|	|	0.10
79.750	0.00	0.03	0.038	O	|	|	|	|	0.10
79.833	0.00	0.03	0.038	O	|	|	|	|	0.10
79.917	0.00	0.03	0.037	O	|	|	|	|	0.10
80.000	0.00	0.03	0.037	O	|	|	|	|	0.10
80.083	0.00	0.03	0.037	O	|	|	|	|	0.10
80.167	0.00	0.03	0.037	O	|	|	|	|	0.10
80.250	0.00	0.03	0.037	O	|	|	|	|	0.10
80.333	0.00	0.03	0.036	O	|	|	|	|	0.10
80.417	0.00	0.03	0.036	O	|	|	|	|	0.10
80.500	0.00	0.03	0.036	O	|	|	|	|	0.09
80.583	0.00	0.03	0.036	O	|	|	|	|	0.09
80.667	0.00	0.03	0.036	O	|	|	|	|	0.09
80.750	0.00	0.03	0.036	O	|	|	|	|	0.09
80.833	0.00	0.03	0.035	O	|	|	|	|	0.09
80.917	0.00	0.03	0.035	O	|	|	|	|	0.09
81.000	0.00	0.03	0.035	O	|	|	|	|	0.09
81.083	0.00	0.03	0.035	O	|	|	|	|	0.09
81.167	0.00	0.03	0.035	O	|	|	|	|	0.09
81.250	0.00	0.03	0.034	O	|	|	|	|	0.09
81.333	0.00	0.03	0.034	O	|	|	|	|	0.09
81.417	0.00	0.03	0.034	O	|	|	|	|	0.09
81.500	0.00	0.03	0.034	O	|	|	|	|	0.09
81.583	0.00	0.03	0.034	O	|	|	|	|	0.09
81.667	0.00	0.03	0.034	O	|	|	|	|	0.09
81.750	0.00	0.03	0.033	O	|	|	|	|	0.09
81.833	0.00	0.03	0.033	O	|	|	|	|	0.09
81.917	0.00	0.03	0.033	O	|	|	|	|	0.09
82.000	0.00	0.03	0.033	O	|	|	|	|	0.09
82.083	0.00	0.02	0.033	O	|	|	|	|	0.09
82.167	0.00	0.02	0.032	O	|	|	|	|	0.09
82.250	0.00	0.02	0.032	O	|	|	|	|	0.09
82.333	0.00	0.02	0.032	O	|	|	|	|	0.08
82.417	0.00	0.02	0.032	O	|	|	|	|	0.08
82.500	0.00	0.02	0.032	O	|	|	|	|	0.08
82.583	0.00	0.02	0.032	O	|	|	|	|	0.08
82.667	0.00	0.02	0.031	O	|	|	|	|	0.08
82.750	0.00	0.02	0.031	O	|	|	|	|	0.08
82.833	0.00	0.02	0.031	O	|	|	|	|	0.08
82.917	0.00	0.02	0.031	O	|	|	|	|	0.08
83.000	0.00	0.02	0.031	O	|	|	|	|	0.08
83.083	0.00	0.02	0.031	O	|	|	|	|	0.08
83.167	0.00	0.02	0.030	O	|	|	|	|	0.08
83.250	0.00	0.02	0.030	O	|	|	|	|	0.08
83.333	0.00	0.02	0.030	O	|	|	|	|	0.08
83.417	0.00	0.02	0.030	O	|	|	|	|	0.08
83.500	0.00	0.02	0.030	O	|	|	|	|	0.08
83.583	0.00	0.02	0.030	O	|	|	|	|	0.08
83.667	0.00	0.02	0.030	O	|	|	|	|	0.08
83.750	0.00	0.02	0.029	O	|	|	|	|	0.08
83.833	0.00	0.02	0.029	O	|	|	|	|	0.08

83.917	0.00	0.02	0.029	O	|	|	|	0.08
84.000	0.00	0.02	0.029	O	|	|	|	0.08
84.083	0.00	0.02	0.029	O	|	|	|	0.08
84.167	0.00	0.02	0.029	O	|	|	|	0.08
84.250	0.00	0.02	0.028	O	|	|	|	0.07
84.333	0.00	0.02	0.028	O	|	|	|	0.07
84.417	0.00	0.02	0.028	O	|	|	|	0.07
84.500	0.00	0.02	0.028	O	|	|	|	0.07
84.583	0.00	0.02	0.028	O	|	|	|	0.07
84.667	0.00	0.02	0.028	O	|	|	|	0.07
84.750	0.00	0.02	0.028	O	|	|	|	0.07
84.833	0.00	0.02	0.027	O	|	|	|	0.07
84.917	0.00	0.02	0.027	O	|	|	|	0.07
85.000	0.00	0.02	0.027	O	|	|	|	0.07
85.083	0.00	0.02	0.027	O	|	|	|	0.07
85.167	0.00	0.02	0.027	O	|	|	|	0.07
85.250	0.00	0.02	0.027	O	|	|	|	0.07
85.333	0.00	0.02	0.027	O	|	|	|	0.07
85.417	0.00	0.02	0.026	O	|	|	|	0.07
85.500	0.00	0.02	0.026	O	|	|	|	0.07
85.583	0.00	0.02	0.026	O	|	|	|	0.07
85.667	0.00	0.02	0.026	O	|	|	|	0.07
85.750	0.00	0.02	0.026	O	|	|	|	0.07
85.833	0.00	0.02	0.026	O	|	|	|	0.07
85.917	0.00	0.02	0.026	O	|	|	|	0.07
86.000	0.00	0.02	0.025	O	|	|	|	0.07
86.083	0.00	0.02	0.025	O	|	|	|	0.07
86.167	0.00	0.02	0.025	O	|	|	|	0.07
86.250	0.00	0.02	0.025	O	|	|	|	0.07
86.333	0.00	0.02	0.025	O	|	|	|	0.07
86.417	0.00	0.02	0.025	O	|	|	|	0.07
86.500	0.00	0.02	0.025	O	|	|	|	0.07
86.583	0.00	0.02	0.025	O	|	|	|	0.06
86.667	0.00	0.02	0.024	O	|	|	|	0.06
86.750	0.00	0.02	0.024	O	|	|	|	0.06
86.833	0.00	0.02	0.024	O	|	|	|	0.06
86.917	0.00	0.02	0.024	O	|	|	|	0.06
87.000	0.00	0.02	0.024	O	|	|	|	0.06
87.083	0.00	0.02	0.024	O	|	|	|	0.06
87.167	0.00	0.02	0.024	O	|	|	|	0.06
87.250	0.00	0.02	0.024	O	|	|	|	0.06
87.333	0.00	0.02	0.023	O	|	|	|	0.06
87.417	0.00	0.02	0.023	O	|	|	|	0.06
87.500	0.00	0.02	0.023	O	|	|	|	0.06
87.583	0.00	0.02	0.023	O	|	|	|	0.06
87.667	0.00	0.02	0.023	O	|	|	|	0.06
87.750	0.00	0.02	0.023	O	|	|	|	0.06
87.833	0.00	0.02	0.023	O	|	|	|	0.06
87.917	0.00	0.02	0.023	O	|	|	|	0.06
88.000	0.00	0.02	0.022	O	|	|	|	0.06
88.083	0.00	0.02	0.022	O	|	|	|	0.06
88.167	0.00	0.02	0.022	O	|	|	|	0.06
88.250	0.00	0.02	0.022	O	|	|	|	0.06
88.333	0.00	0.02	0.022	O	|	|	|	0.06
88.417	0.00	0.02	0.022	O	|	|	|	0.06
88.500	0.00	0.02	0.022	O	|	|	|	0.06
88.583	0.00	0.02	0.022	O	|	|	|	0.06
88.667	0.00	0.02	0.022	O	|	|	|	0.06
88.750	0.00	0.02	0.021	O	|	|	|	0.06
88.833	0.00	0.02	0.021	O	|	|	|	0.06
88.917	0.00	0.02	0.021	O	|	|	|	0.06
89.000	0.00	0.02	0.021	O	|	|	|	0.06
89.083	0.00	0.02	0.021	O	|	|	|	0.06
89.167	0.00	0.02	0.021	O	|	|	|	0.05
89.250	0.00	0.02	0.021	O	|	|	|	0.05
89.333	0.00	0.02	0.021	O	|	|	|	0.05
89.417	0.00	0.02	0.021	O	|	|	|	0.05

89.500	0.00	0.02	0.020	O	|	|	|	|	0.05
89.583	0.00	0.02	0.020	O	|	|	|	|	0.05
89.667	0.00	0.02	0.020	O	|	|	|	|	0.05
89.750	0.00	0.02	0.020	O	|	|	|	|	0.05
89.833	0.00	0.02	0.020	O	|	|	|	|	0.05
89.917	0.00	0.02	0.020	O	|	|	|	|	0.05
90.000	0.00	0.02	0.020	O	|	|	|	|	0.05
90.083	0.00	0.02	0.020	O	|	|	|	|	0.05
90.167	0.00	0.01	0.020	O	|	|	|	|	0.05
90.250	0.00	0.01	0.020	O	|	|	|	|	0.05
90.333	0.00	0.01	0.019	O	|	|	|	|	0.05
90.417	0.00	0.01	0.019	O	|	|	|	|	0.05
90.500	0.00	0.01	0.019	O	|	|	|	|	0.05
90.583	0.00	0.01	0.019	O	|	|	|	|	0.05
90.667	0.00	0.01	0.019	O	|	|	|	|	0.05
90.750	0.00	0.01	0.019	O	|	|	|	|	0.05
90.833	0.00	0.01	0.019	O	|	|	|	|	0.05
90.917	0.00	0.01	0.019	O	|	|	|	|	0.05
91.000	0.00	0.01	0.019	O	|	|	|	|	0.05
91.083	0.00	0.01	0.019	O	|	|	|	|	0.05
91.167	0.00	0.01	0.018	O	|	|	|	|	0.05
91.250	0.00	0.01	0.018	O	|	|	|	|	0.05
91.333	0.00	0.01	0.018	O	|	|	|	|	0.05
91.417	0.00	0.01	0.018	O	|	|	|	|	0.05
91.500	0.00	0.01	0.018	O	|	|	|	|	0.05
91.583	0.00	0.01	0.018	O	|	|	|	|	0.05
91.667	0.00	0.01	0.018	O	|	|	|	|	0.05
91.750	0.00	0.01	0.018	O	|	|	|	|	0.05
91.833	0.00	0.01	0.018	O	|	|	|	|	0.05
91.917	0.00	0.01	0.018	O	|	|	|	|	0.05
92.000	0.00	0.01	0.017	O	|	|	|	|	0.05
92.083	0.00	0.01	0.017	O	|	|	|	|	0.05
92.167	0.00	0.01	0.017	O	|	|	|	|	0.05
92.250	0.00	0.01	0.017	O	|	|	|	|	0.05
92.333	0.00	0.01	0.017	O	|	|	|	|	0.05
92.417	0.00	0.01	0.017	O	|	|	|	|	0.04
92.500	0.00	0.01	0.017	O	|	|	|	|	0.04
92.583	0.00	0.01	0.017	O	|	|	|	|	0.04
92.667	0.00	0.01	0.017	O	|	|	|	|	0.04
92.750	0.00	0.01	0.017	O	|	|	|	|	0.04
92.833	0.00	0.01	0.017	O	|	|	|	|	0.04
92.917	0.00	0.01	0.016	O	|	|	|	|	0.04
93.000	0.00	0.01	0.016	O	|	|	|	|	0.04
93.083	0.00	0.01	0.016	O	|	|	|	|	0.04
93.167	0.00	0.01	0.016	O	|	|	|	|	0.04
93.250	0.00	0.01	0.016	O	|	|	|	|	0.04
93.333	0.00	0.01	0.016	O	|	|	|	|	0.04
93.417	0.00	0.01	0.016	O	|	|	|	|	0.04
93.500	0.00	0.01	0.016	O	|	|	|	|	0.04
93.583	0.00	0.01	0.016	O	|	|	|	|	0.04
93.667	0.00	0.01	0.016	O	|	|	|	|	0.04
93.750	0.00	0.01	0.016	O	|	|	|	|	0.04
93.833	0.00	0.01	0.016	O	|	|	|	|	0.04
93.917	0.00	0.01	0.015	O	|	|	|	|	0.04
94.000	0.00	0.01	0.015	O	|	|	|	|	0.04
94.083	0.00	0.01	0.015	O	|	|	|	|	0.04
94.167	0.00	0.01	0.015	O	|	|	|	|	0.04
94.250	0.00	0.01	0.015	O	|	|	|	|	0.04
94.333	0.00	0.01	0.015	O	|	|	|	|	0.04
94.417	0.00	0.01	0.015	O	|	|	|	|	0.04
94.500	0.00	0.01	0.015	O	|	|	|	|	0.04
94.583	0.00	0.01	0.015	O	|	|	|	|	0.04
94.667	0.00	0.01	0.015	O	|	|	|	|	0.04
94.750	0.00	0.01	0.015	O	|	|	|	|	0.04
94.833	0.00	0.01	0.015	O	|	|	|	|	0.04
94.917	0.00	0.01	0.015	O	|	|	|	|	0.04
95.000	0.00	0.01	0.014	O	|	|	|	|	0.04

95.083	0.00	0.01	0.014	O	|	|	|	|	0.04
95.167	0.00	0.01	0.014	O	|	|	|	|	0.04
95.250	0.00	0.01	0.014	O	|	|	|	|	0.04
95.333	0.00	0.01	0.014	O	|	|	|	|	0.04
95.417	0.00	0.01	0.014	O	|	|	|	|	0.04
95.500	0.00	0.01	0.014	O	|	|	|	|	0.04
95.583	0.00	0.01	0.014	O	|	|	|	|	0.04
95.667	0.00	0.01	0.014	O	|	|	|	|	0.04
95.750	0.00	0.01	0.014	O	|	|	|	|	0.04
95.833	0.00	0.01	0.014	O	|	|	|	|	0.04
95.917	0.00	0.01	0.014	O	|	|	|	|	0.04
96.000	0.00	0.01	0.014	O	|	|	|	|	0.04
96.083	0.00	0.01	0.014	O	|	|	|	|	0.04
96.167	0.00	0.01	0.013	O	|	|	|	|	0.04
96.250	0.00	0.01	0.013	O	|	|	|	|	0.04
96.333	0.00	0.01	0.013	O	|	|	|	|	0.03
96.417	0.00	0.01	0.013	O	|	|	|	|	0.03
96.500	0.00	0.01	0.013	O	|	|	|	|	0.03
96.583	0.00	0.01	0.013	O	|	|	|	|	0.03
96.667	0.00	0.01	0.013	O	|	|	|	|	0.03
96.750	0.00	0.01	0.013	O	|	|	|	|	0.03
96.833	0.00	0.01	0.013	O	|	|	|	|	0.03
96.917	0.00	0.01	0.013	O	|	|	|	|	0.03
97.000	0.00	0.01	0.013	O	|	|	|	|	0.03
97.083	0.00	0.01	0.013	O	|	|	|	|	0.03
97.167	0.00	0.01	0.013	O	|	|	|	|	0.03
97.250	0.00	0.01	0.013	O	|	|	|	|	0.03
97.333	0.00	0.01	0.012	O	|	|	|	|	0.03
97.417	0.00	0.01	0.012	O	|	|	|	|	0.03
97.500	0.00	0.01	0.012	O	|	|	|	|	0.03
97.583	0.00	0.01	0.012	O	|	|	|	|	0.03
97.667	0.00	0.01	0.012	O	|	|	|	|	0.03
97.750	0.00	0.01	0.012	O	|	|	|	|	0.03
97.833	0.00	0.01	0.012	O	|	|	|	|	0.03
97.917	0.00	0.01	0.012	O	|	|	|	|	0.03
98.000	0.00	0.01	0.012	O	|	|	|	|	0.03
98.083	0.00	0.01	0.012	O	|	|	|	|	0.03
98.167	0.00	0.01	0.012	O	|	|	|	|	0.03
98.250	0.00	0.01	0.012	O	|	|	|	|	0.03
98.333	0.00	0.01	0.012	O	|	|	|	|	0.03
98.417	0.00	0.01	0.012	O	|	|	|	|	0.03
98.500	0.00	0.01	0.012	O	|	|	|	|	0.03
98.583	0.00	0.01	0.012	O	|	|	|	|	0.03
98.667	0.00	0.01	0.011	O	|	|	|	|	0.03
98.750	0.00	0.01	0.011	O	|	|	|	|	0.03
98.833	0.00	0.01	0.011	O	|	|	|	|	0.03
98.917	0.00	0.01	0.011	O	|	|	|	|	0.03
99.000	0.00	0.01	0.011	O	|	|	|	|	0.03
99.083	0.00	0.01	0.011	O	|	|	|	|	0.03
99.167	0.00	0.01	0.011	O	|	|	|	|	0.03
99.250	0.00	0.01	0.011	O	|	|	|	|	0.03
99.333	0.00	0.01	0.011	O	|	|	|	|	0.03
99.417	0.00	0.01	0.011	O	|	|	|	|	0.03
99.500	0.00	0.01	0.011	O	|	|	|	|	0.03
99.583	0.00	0.01	0.011	O	|	|	|	|	0.03
99.667	0.00	0.01	0.011	O	|	|	|	|	0.03
99.750	0.00	0.01	0.011	O	|	|	|	|	0.03
99.833	0.00	0.01	0.011	O	|	|	|	|	0.03
99.917	0.00	0.01	0.011	O	|	|	|	|	0.03
100.000	0.00	0.01	0.011	O	|	|	|	|	0.03
100.083	0.00	0.01	0.010	O	|	|	|	|	0.03
100.167	0.00	0.01	0.010	O	|	|	|	|	0.03
100.250	0.00	0.01	0.010	O	|	|	|	|	0.03
100.333	0.00	0.01	0.010	O	|	|	|	|	0.03
100.417	0.00	0.01	0.010	O	|	|	|	|	0.03
100.500	0.00	0.01	0.010	O	|	|	|	|	0.03
100.583	0.00	0.01	0.010	O	|	|	|	|	0.03

100.667	0.00	0.01	0.010	O	|	|	|	|	0.03
100.750	0.00	0.01	0.010	O	|	|	|	|	0.03
100.833	0.00	0.01	0.010	O	|	|	|	|	0.03
100.917	0.00	0.01	0.010	O	|	|	|	|	0.03
101.000	0.00	0.01	0.010	O	|	|	|	|	0.03
101.083	0.00	0.01	0.010	O	|	|	|	|	0.03
101.167	0.00	0.01	0.010	O	|	|	|	|	0.03
101.250	0.00	0.01	0.010	O	|	|	|	|	0.03
101.333	0.00	0.01	0.010	O	|	|	|	|	0.03
101.417	0.00	0.01	0.010	O	|	|	|	|	0.03
101.500	0.00	0.01	0.010	O	|	|	|	|	0.03
101.583	0.00	0.01	0.010	O	|	|	|	|	0.03
101.667	0.00	0.01	0.009	O	|	|	|	|	0.02
101.750	0.00	0.01	0.009	O	|	|	|	|	0.02
101.833	0.00	0.01	0.009	O	|	|	|	|	0.02
101.917	0.00	0.01	0.009	O	|	|	|	|	0.02
102.000	0.00	0.01	0.009	O	|	|	|	|	0.02
102.083	0.00	0.01	0.009	O	|	|	|	|	0.02
102.167	0.00	0.01	0.009	O	|	|	|	|	0.02
102.250	0.00	0.01	0.009	O	|	|	|	|	0.02
102.333	0.00	0.01	0.009	O	|	|	|	|	0.02
102.417	0.00	0.01	0.009	O	|	|	|	|	0.02
102.500	0.00	0.01	0.009	O	|	|	|	|	0.02
102.583	0.00	0.01	0.009	O	|	|	|	|	0.02
102.667	0.00	0.01	0.009	O	|	|	|	|	0.02
102.750	0.00	0.01	0.009	O	|	|	|	|	0.02
102.833	0.00	0.01	0.009	O	|	|	|	|	0.02
102.917	0.00	0.01	0.009	O	|	|	|	|	0.02
103.000	0.00	0.01	0.009	O	|	|	|	|	0.02
103.083	0.00	0.01	0.009	O	|	|	|	|	0.02
103.167	0.00	0.01	0.009	O	|	|	|	|	0.02
103.250	0.00	0.01	0.009	O	|	|	|	|	0.02
103.333	0.00	0.01	0.009	O	|	|	|	|	0.02
103.417	0.00	0.01	0.009	O	|	|	|	|	0.02
103.500	0.00	0.01	0.008	O	|	|	|	|	0.02
103.583	0.00	0.01	0.008	O	|	|	|	|	0.02
103.667	0.00	0.01	0.008	O	|	|	|	|	0.02
103.750	0.00	0.01	0.008	O	|	|	|	|	0.02
103.833	0.00	0.01	0.008	O	|	|	|	|	0.02
103.917	0.00	0.01	0.008	O	|	|	|	|	0.02
104.000	0.00	0.01	0.008	O	|	|	|	|	0.02
104.083	0.00	0.01	0.008	O	|	|	|	|	0.02
104.167	0.00	0.01	0.008	O	|	|	|	|	0.02
104.250	0.00	0.01	0.008	O	|	|	|	|	0.02
104.333	0.00	0.01	0.008	O	|	|	|	|	0.02
104.417	0.00	0.01	0.008	O	|	|	|	|	0.02
104.500	0.00	0.01	0.008	O	|	|	|	|	0.02
104.583	0.00	0.01	0.008	O	|	|	|	|	0.02
104.667	0.00	0.01	0.008	O	|	|	|	|	0.02
104.750	0.00	0.01	0.008	O	|	|	|	|	0.02
104.833	0.00	0.01	0.008	O	|	|	|	|	0.02
104.917	0.00	0.01	0.008	O	|	|	|	|	0.02
105.000	0.00	0.01	0.008	O	|	|	|	|	0.02
105.083	0.00	0.01	0.008	O	|	|	|	|	0.02
105.167	0.00	0.01	0.008	O	|	|	|	|	0.02
105.250	0.00	0.01	0.008	O	|	|	|	|	0.02
105.333	0.00	0.01	0.008	O	|	|	|	|	0.02
105.417	0.00	0.01	0.007	O	|	|	|	|	0.02
105.500	0.00	0.01	0.007	O	|	|	|	|	0.02
105.583	0.00	0.01	0.007	O	|	|	|	|	0.02
105.667	0.00	0.01	0.007	O	|	|	|	|	0.02
105.750	0.00	0.01	0.007	O	|	|	|	|	0.02
105.833	0.00	0.01	0.007	O	|	|	|	|	0.02
105.917	0.00	0.01	0.007	O	|	|	|	|	0.02
106.000	0.00	0.01	0.007	O	|	|	|	|	0.02
106.083	0.00	0.01	0.007	O	|	|	|	|	0.02
106.167	0.00	0.01	0.007	O	|	|	|	|	0.02

106.250	0.00	0.01	0.007	O	|	|	|	0.02
106.333	0.00	0.01	0.007	O	|	|	|	0.02
106.417	0.00	0.01	0.007	O	|	|	|	0.02
106.500	0.00	0.01	0.007	O	|	|	|	0.02
106.583	0.00	0.01	0.007	O	|	|	|	0.02
106.667	0.00	0.01	0.007	O	|	|	|	0.02
106.750	0.00	0.01	0.007	O	|	|	|	0.02
106.833	0.00	0.01	0.007	O	|	|	|	0.02
106.917	0.00	0.01	0.007	O	|	|	|	0.02
107.000	0.00	0.01	0.007	O	|	|	|	0.02
107.083	0.00	0.01	0.007	O	|	|	|	0.02
107.167	0.00	0.01	0.007	O	|	|	|	0.02
107.250	0.00	0.01	0.007	O	|	|	|	0.02
107.333	0.00	0.01	0.007	O	|	|	|	0.02
107.417	0.00	0.01	0.007	O	|	|	|	0.02
107.500	0.00	0.01	0.007	O	|	|	|	0.02
107.583	0.00	0.00	0.007	O	|	|	|	0.02
107.667	0.00	0.00	0.007	O	|	|	|	0.02
107.750	0.00	0.00	0.006	O	|	|	|	0.02
107.833	0.00	0.00	0.006	O	|	|	|	0.02
107.917	0.00	0.00	0.006	O	|	|	|	0.02
108.000	0.00	0.00	0.006	O	|	|	|	0.02
108.083	0.00	0.00	0.006	O	|	|	|	0.02
108.167	0.00	0.00	0.006	O	|	|	|	0.02
108.250	0.00	0.00	0.006	O	|	|	|	0.02
108.333	0.00	0.00	0.006	O	|	|	|	0.02
108.417	0.00	0.00	0.006	O	|	|	|	0.02
108.500	0.00	0.00	0.006	O	|	|	|	0.02
108.583	0.00	0.00	0.006	O	|	|	|	0.02
108.667	0.00	0.00	0.006	O	|	|	|	0.02
108.750	0.00	0.00	0.006	O	|	|	|	0.02
108.833	0.00	0.00	0.006	O	|	|	|	0.02
108.917	0.00	0.00	0.006	O	|	|	|	0.02
109.000	0.00	0.00	0.006	O	|	|	|	0.02
109.083	0.00	0.00	0.006	O	|	|	|	0.02
109.167	0.00	0.00	0.006	O	|	|	|	0.02
109.250	0.00	0.00	0.006	O	|	|	|	0.02
109.333	0.00	0.00	0.006	O	|	|	|	0.02
109.417	0.00	0.00	0.006	O	|	|	|	0.02
109.500	0.00	0.00	0.006	O	|	|	|	0.02
109.583	0.00	0.00	0.006	O	|	|	|	0.02
109.667	0.00	0.00	0.006	O	|	|	|	0.02
109.750	0.00	0.00	0.006	O	|	|	|	0.02
109.833	0.00	0.00	0.006	O	|	|	|	0.01
109.917	0.00	0.00	0.006	O	|	|	|	0.01
110.000	0.00	0.00	0.006	O	|	|	|	0.01
110.083	0.00	0.00	0.006	O	|	|	|	0.01
110.167	0.00	0.00	0.006	O	|	|	|	0.01
110.250	0.00	0.00	0.006	O	|	|	|	0.01
110.333	0.00	0.00	0.005	O	|	|	|	0.01
110.417	0.00	0.00	0.005	O	|	|	|	0.01
110.500	0.00	0.00	0.005	O	|	|	|	0.01
110.583	0.00	0.00	0.005	O	|	|	|	0.01
110.667	0.00	0.00	0.005	O	|	|	|	0.01
110.750	0.00	0.00	0.005	O	|	|	|	0.01
110.833	0.00	0.00	0.005	O	|	|	|	0.01
110.917	0.00	0.00	0.005	O	|	|	|	0.01
111.000	0.00	0.00	0.005	O	|	|	|	0.01
111.083	0.00	0.00	0.005	O	|	|	|	0.01
111.167	0.00	0.00	0.005	O	|	|	|	0.01
111.250	0.00	0.00	0.005	O	|	|	|	0.01
111.333	0.00	0.00	0.005	O	|	|	|	0.01
111.417	0.00	0.00	0.005	O	|	|	|	0.01
111.500	0.00	0.00	0.005	O	|	|	|	0.01
111.583	0.00	0.00	0.005	O	|	|	|	0.01
111.667	0.00	0.00	0.005	O	|	|	|	0.01
111.750	0.00	0.00	0.005	O	|	|	|	0.01

111.833	0.00	0.00	0.005	O					0.01
111.917	0.00	0.00	0.005	O					0.01
112.000	0.00	0.00	0.005	O					0.01
112.083	0.00	0.00	0.005	O					0.01
112.167	0.00	0.00	0.005	O					0.01
112.250	0.00	0.00	0.005	O					0.01
112.333	0.00	0.00	0.005	O					0.01
112.417	0.00	0.00	0.005	O					0.01
112.500	0.00	0.00	0.005	O					0.01
112.583	0.00	0.00	0.005	O					0.01
112.667	0.00	0.00	0.005	O					0.01
112.750	0.00	0.00	0.005	O					0.01
112.833	0.00	0.00	0.005	O					0.01
112.917	0.00	0.00	0.005	O					0.01
113.000	0.00	0.00	0.005	O					0.01
113.083	0.00	0.00	0.005	O					0.01
113.167	0.00	0.00	0.005	O					0.01
113.250	0.00	0.00	0.005	O					0.01
113.333	0.00	0.00	0.005	O					0.01
113.417	0.00	0.00	0.005	O					0.01
113.500	0.00	0.00	0.005	O					0.01
113.583	0.00	0.00	0.004	O					0.01
113.667	0.00	0.00	0.004	O					0.01
113.750	0.00	0.00	0.004	O					0.01
113.833	0.00	0.00	0.004	O					0.01
113.917	0.00	0.00	0.004	O					0.01
114.000	0.00	0.00	0.004	O					0.01
114.083	0.00	0.00	0.004	O					0.01
114.167	0.00	0.00	0.004	O					0.01
114.250	0.00	0.00	0.004	O					0.01
114.333	0.00	0.00	0.004	O					0.01
114.417	0.00	0.00	0.004	O					0.01
114.500	0.00	0.00	0.004	O					0.01
114.583	0.00	0.00	0.004	O					0.01
114.667	0.00	0.00	0.004	O					0.01
114.750	0.00	0.00	0.004	O					0.01
114.833	0.00	0.00	0.004	O					0.01
114.917	0.00	0.00	0.004	O					0.01
115.000	0.00	0.00	0.004	O					0.01
115.083	0.00	0.00	0.004	O					0.01
115.167	0.00	0.00	0.004	O					0.01
115.250	0.00	0.00	0.004	O					0.01
115.333	0.00	0.00	0.004	O					0.01
115.417	0.00	0.00	0.004	O					0.01
115.500	0.00	0.00	0.004	O					0.01
115.583	0.00	0.00	0.004	O					0.01
115.667	0.00	0.00	0.004	O					0.01
115.750	0.00	0.00	0.004	O					0.01
115.833	0.00	0.00	0.004	O					0.01
115.917	0.00	0.00	0.004	O					0.01
116.000	0.00	0.00	0.004	O					0.01
116.083	0.00	0.00	0.004	O					0.01
116.167	0.00	0.00	0.004	O					0.01
116.250	0.00	0.00	0.004	O					0.01
116.333	0.00	0.00	0.004	O					0.01
116.417	0.00	0.00	0.004	O					0.01
116.500	0.00	0.00	0.004	O					0.01
116.583	0.00	0.00	0.004	O					0.01
116.667	0.00	0.00	0.004	O					0.01
116.750	0.00	0.00	0.004	O					0.01
116.833	0.00	0.00	0.004	O					0.01
116.917	0.00	0.00	0.004	O					0.01
117.000	0.00	0.00	0.004	O					0.01
117.083	0.00	0.00	0.004	O					0.01
117.167	0.00	0.00	0.004	O					0.01
117.250	0.00	0.00	0.004	O					0.01
117.333	0.00	0.00	0.004	O					0.01

117.417	0.00	0.00	0.004	O	|	|	|	|	0.01
117.500	0.00	0.00	0.003	O	|	|	|	|	0.01
117.583	0.00	0.00	0.003	O	|	|	|	|	0.01
117.667	0.00	0.00	0.003	O	|	|	|	|	0.01
117.750	0.00	0.00	0.003	O	|	|	|	|	0.01
117.833	0.00	0.00	0.003	O	|	|	|	|	0.01
117.917	0.00	0.00	0.003	O	|	|	|	|	0.01
118.000	0.00	0.00	0.003	O	|	|	|	|	0.01
118.083	0.00	0.00	0.003	O	|	|	|	|	0.01
118.167	0.00	0.00	0.003	O	|	|	|	|	0.01
118.250	0.00	0.00	0.003	O	|	|	|	|	0.01
118.333	0.00	0.00	0.003	O	|	|	|	|	0.01
118.417	0.00	0.00	0.003	O	|	|	|	|	0.01
118.500	0.00	0.00	0.003	O	|	|	|	|	0.01
118.583	0.00	0.00	0.003	O	|	|	|	|	0.01
118.667	0.00	0.00	0.003	O	|	|	|	|	0.01
118.750	0.00	0.00	0.003	O	|	|	|	|	0.01
118.833	0.00	0.00	0.003	O	|	|	|	|	0.01
118.917	0.00	0.00	0.003	O	|	|	|	|	0.01
119.000	0.00	0.00	0.003	O	|	|	|	|	0.01
119.083	0.00	0.00	0.003	O	|	|	|	|	0.01
119.167	0.00	0.00	0.003	O	|	|	|	|	0.01
119.250	0.00	0.00	0.003	O	|	|	|	|	0.01
119.333	0.00	0.00	0.003	O	|	|	|	|	0.01
119.417	0.00	0.00	0.003	O	|	|	|	|	0.01
119.500	0.00	0.00	0.003	O	|	|	|	|	0.01
119.583	0.00	0.00	0.003	O	|	|	|	|	0.01
119.667	0.00	0.00	0.003	O	|	|	|	|	0.01
119.750	0.00	0.00	0.003	O	|	|	|	|	0.01
119.833	0.00	0.00	0.003	O	|	|	|	|	0.01
119.917	0.00	0.00	0.003	O	|	|	|	|	0.01
120.000	0.00	0.00	0.003	O	|	|	|	|	0.01
120.083	0.00	0.00	0.003	O	|	|	|	|	0.01
120.167	0.00	0.00	0.003	O	|	|	|	|	0.01
120.250	0.00	0.00	0.003	O	|	|	|	|	0.01
120.333	0.00	0.00	0.003	O	|	|	|	|	0.01
120.417	0.00	0.00	0.003	O	|	|	|	|	0.01
120.500	0.00	0.00	0.003	O	|	|	|	|	0.01
120.583	0.00	0.00	0.003	O	|	|	|	|	0.01
120.667	0.00	0.00	0.003	O	|	|	|	|	0.01
120.750	0.00	0.00	0.003	O	|	|	|	|	0.01
120.833	0.00	0.00	0.003	O	|	|	|	|	0.01
120.917	0.00	0.00	0.003	O	|	|	|	|	0.01
121.000	0.00	0.00	0.003	O	|	|	|	|	0.01
121.083	0.00	0.00	0.003	O	|	|	|	|	0.01
121.167	0.00	0.00	0.003	O	|	|	|	|	0.01
121.250	0.00	0.00	0.003	O	|	|	|	|	0.01
121.333	0.00	0.00	0.003	O	|	|	|	|	0.01
121.417	0.00	0.00	0.003	O	|	|	|	|	0.01
121.500	0.00	0.00	0.003	O	|	|	|	|	0.01
121.583	0.00	0.00	0.003	O	|	|	|	|	0.01
121.667	0.00	0.00	0.003	O	|	|	|	|	0.01
121.750	0.00	0.00	0.003	O	|	|	|	|	0.01
121.833	0.00	0.00	0.003	O	|	|	|	|	0.01
121.917	0.00	0.00	0.003	O	|	|	|	|	0.01
122.000	0.00	0.00	0.003	O	|	|	|	|	0.01
122.083	0.00	0.00	0.003	O	|	|	|	|	0.01
122.167	0.00	0.00	0.003	O	|	|	|	|	0.01
122.250	0.00	0.00	0.003	O	|	|	|	|	0.01
122.333	0.00	0.00	0.003	O	|	|	|	|	0.01
122.417	0.00	0.00	0.003	O	|	|	|	|	0.01
122.500	0.00	0.00	0.003	O	|	|	|	|	0.01
122.583	0.00	0.00	0.003	O	|	|	|	|	0.01
122.667	0.00	0.00	0.003	O	|	|	|	|	0.01
122.750	0.00	0.00	0.003	O	|	|	|	|	0.01
122.833	0.00	0.00	0.002	O	|	|	|	|	0.01
122.917	0.00	0.00	0.002	O	|	|	|	|	0.01

123.000	0.00	0.00	0.002	O	|	|	|	|	0.01
123.083	0.00	0.00	0.002	O	|	|	|	|	0.01
123.167	0.00	0.00	0.002	O	|	|	|	|	0.01
123.250	0.00	0.00	0.002	O	|	|	|	|	0.01
123.333	0.00	0.00	0.002	O	|	|	|	|	0.01
123.417	0.00	0.00	0.002	O	|	|	|	|	0.01
123.500	0.00	0.00	0.002	O	|	|	|	|	0.01
123.583	0.00	0.00	0.002	O	|	|	|	|	0.01
123.667	0.00	0.00	0.002	O	|	|	|	|	0.01
123.750	0.00	0.00	0.002	O	|	|	|	|	0.01
123.833	0.00	0.00	0.002	O	|	|	|	|	0.01
123.917	0.00	0.00	0.002	O	|	|	|	|	0.01
124.000	0.00	0.00	0.002	O	|	|	|	|	0.01
124.083	0.00	0.00	0.002	O	|	|	|	|	0.01
124.167	0.00	0.00	0.002	O	|	|	|	|	0.01
124.250	0.00	0.00	0.002	O	|	|	|	|	0.01
124.333	0.00	0.00	0.002	O	|	|	|	|	0.01
124.417	0.00	0.00	0.002	O	|	|	|	|	0.01
124.500	0.00	0.00	0.002	O	|	|	|	|	0.01
124.583	0.00	0.00	0.002	O	|	|	|	|	0.01
124.667	0.00	0.00	0.002	O	|	|	|	|	0.01
124.750	0.00	0.00	0.002	O	|	|	|	|	0.01
124.833	0.00	0.00	0.002	O	|	|	|	|	0.01
124.917	0.00	0.00	0.002	O	|	|	|	|	0.01
125.000	0.00	0.00	0.002	O	|	|	|	|	0.01
125.083	0.00	0.00	0.002	O	|	|	|	|	0.01
125.167	0.00	0.00	0.002	O	|	|	|	|	0.01
125.250	0.00	0.00	0.002	O	|	|	|	|	0.01
125.333	0.00	0.00	0.002	O	|	|	|	|	0.01
125.417	0.00	0.00	0.002	O	|	|	|	|	0.01
125.500	0.00	0.00	0.002	O	|	|	|	|	0.01
125.583	0.00	0.00	0.002	O	|	|	|	|	0.01
125.667	0.00	0.00	0.002	O	|	|	|	|	0.01
125.750	0.00	0.00	0.002	O	|	|	|	|	0.01
125.833	0.00	0.00	0.002	O	|	|	|	|	0.01
125.917	0.00	0.00	0.002	O	|	|	|	|	0.01
126.000	0.00	0.00	0.002	O	|	|	|	|	0.01
126.083	0.00	0.00	0.002	O	|	|	|	|	0.01
126.167	0.00	0.00	0.002	O	|	|	|	|	0.01
126.250	0.00	0.00	0.002	O	|	|	|	|	0.01
126.333	0.00	0.00	0.002	O	|	|	|	|	0.01
126.417	0.00	0.00	0.002	O	|	|	|	|	0.01
126.500	0.00	0.00	0.002	O	|	|	|	|	0.01
126.583	0.00	0.00	0.002	O	|	|	|	|	0.01
126.667	0.00	0.00	0.002	O	|	|	|	|	0.01
126.750	0.00	0.00	0.002	O	|	|	|	|	0.01
126.833	0.00	0.00	0.002	O	|	|	|	|	0.01
126.917	0.00	0.00	0.002	O	|	|	|	|	0.01
127.000	0.00	0.00	0.002	O	|	|	|	|	0.01
127.083	0.00	0.00	0.002	O	|	|	|	|	0.01
127.167	0.00	0.00	0.002	O	|	|	|	|	0.01
127.250	0.00	0.00	0.002	O	|	|	|	|	0.00
127.333	0.00	0.00	0.002	O	|	|	|	|	0.00
127.417	0.00	0.00	0.002	O	|	|	|	|	0.00
127.500	0.00	0.00	0.002	O	|	|	|	|	0.00
127.583	0.00	0.00	0.002	O	|	|	|	|	0.00
127.667	0.00	0.00	0.002	O	|	|	|	|	0.00
127.750	0.00	0.00	0.002	O	|	|	|	|	0.00
127.833	0.00	0.00	0.002	O	|	|	|	|	0.00
127.917	0.00	0.00	0.002	O	|	|	|	|	0.00
128.000	0.00	0.00	0.002	O	|	|	|	|	0.00
128.083	0.00	0.00	0.002	O	|	|	|	|	0.00
128.167	0.00	0.00	0.002	O	|	|	|	|	0.00
128.250	0.00	0.00	0.002	O	|	|	|	|	0.00
128.333	0.00	0.00	0.002	O	|	|	|	|	0.00
128.417	0.00	0.00	0.002	O	|	|	|	|	0.00
128.500	0.00	0.00	0.002	O	|	|	|	|	0.00

128.583	0.00	0.00	0.002	O	|	|	|	|	0.00
128.667	0.00	0.00	0.002	O	|	|	|	|	0.00
128.750	0.00	0.00	0.002	O	|	|	|	|	0.00
128.833	0.00	0.00	0.002	O	|	|	|	|	0.00
128.917	0.00	0.00	0.002	O	|	|	|	|	0.00
129.000	0.00	0.00	0.002	O	|	|	|	|	0.00
129.083	0.00	0.00	0.002	O	|	|	|	|	0.00
129.167	0.00	0.00	0.002	O	|	|	|	|	0.00
129.250	0.00	0.00	0.002	O	|	|	|	|	0.00
129.333	0.00	0.00	0.002	O	|	|	|	|	0.00
129.417	0.00	0.00	0.002	O	|	|	|	|	0.00
129.500	0.00	0.00	0.002	O	|	|	|	|	0.00
129.583	0.00	0.00	0.002	O	|	|	|	|	0.00
129.667	0.00	0.00	0.002	O	|	|	|	|	0.00
129.750	0.00	0.00	0.002	O	|	|	|	|	0.00
129.833	0.00	0.00	0.002	O	|	|	|	|	0.00
129.917	0.00	0.00	0.002	O	|	|	|	|	0.00
130.000	0.00	0.00	0.002	O	|	|	|	|	0.00
130.083	0.00	0.00	0.002	O	|	|	|	|	0.00
130.167	0.00	0.00	0.002	O	|	|	|	|	0.00
130.250	0.00	0.00	0.002	O	|	|	|	|	0.00
130.333	0.00	0.00	0.002	O	|	|	|	|	0.00
130.417	0.00	0.00	0.002	O	|	|	|	|	0.00
130.500	0.00	0.00	0.002	O	|	|	|	|	0.00
130.583	0.00	0.00	0.002	O	|	|	|	|	0.00
130.667	0.00	0.00	0.002	O	|	|	|	|	0.00
130.750	0.00	0.00	0.002	O	|	|	|	|	0.00
130.833	0.00	0.00	0.002	O	|	|	|	|	0.00
130.917	0.00	0.00	0.002	O	|	|	|	|	0.00
131.000	0.00	0.00	0.001	O	|	|	|	|	0.00
131.083	0.00	0.00	0.001	O	|	|	|	|	0.00
131.167	0.00	0.00	0.001	O	|	|	|	|	0.00
131.250	0.00	0.00	0.001	O	|	|	|	|	0.00
131.333	0.00	0.00	0.001	O	|	|	|	|	0.00
131.417	0.00	0.00	0.001	O	|	|	|	|	0.00
131.500	0.00	0.00	0.001	O	|	|	|	|	0.00
131.583	0.00	0.00	0.001	O	|	|	|	|	0.00
131.667	0.00	0.00	0.001	O	|	|	|	|	0.00
131.750	0.00	0.00	0.001	O	|	|	|	|	0.00
131.833	0.00	0.00	0.001	O	|	|	|	|	0.00
131.917	0.00	0.00	0.001	O	|	|	|	|	0.00
132.000	0.00	0.00	0.001	O	|	|	|	|	0.00
132.083	0.00	0.00	0.001	O	|	|	|	|	0.00
132.167	0.00	0.00	0.001	O	|	|	|	|	0.00
132.250	0.00	0.00	0.001	O	|	|	|	|	0.00
132.333	0.00	0.00	0.001	O	|	|	|	|	0.00
132.417	0.00	0.00	0.001	O	|	|	|	|	0.00
132.500	0.00	0.00	0.001	O	|	|	|	|	0.00
132.583	0.00	0.00	0.001	O	|	|	|	|	0.00
132.667	0.00	0.00	0.001	O	|	|	|	|	0.00
132.750	0.00	0.00	0.001	O	|	|	|	|	0.00
132.833	0.00	0.00	0.001	O	|	|	|	|	0.00
132.917	0.00	0.00	0.001	O	|	|	|	|	0.00
133.000	0.00	0.00	0.001	O	|	|	|	|	0.00
133.083	0.00	0.00	0.001	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1597
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.683 (CFS)
Total volume = 2.125 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1	Stream 2	Stream 3	Stream 4	Stream 5

```
       Peak (CFS)      0.000     0.000     0.000     0.000     0.000
       Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
*******************************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/19/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRG3100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 39
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 37.166 (CFS)
Total volume = 3.019 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN G- ROUTING
100YR-3HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 39
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.380	0.290	0.379	0.381
2.000	0.810	0.440	0.808	0.812
3.000	1.300	0.550	1.298	1.302
4.000	1.840	0.650	1.838	1.842
5.000	2.440	0.730	2.437	2.443
6.000	3.100	0.800	3.097	3.103
7.000	3.820	1.470	3.815	3.825
8.000	4.610	25.330	4.523	4.697
9.000	5.500	124.380	5.072	5.928

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 9.3 18.58 27.87 37.17	Depth (Ft.)
0.083	2.45	0.01	0.008	O I | | | |	0.02

0.167	4.69	0.03	0.033	O	I	|	|	|	|	0.09
0.250	4.74	0.05	0.065	O	I	|	|	|	|	0.17
0.333	5.33	0.08	0.099	O	I	|	|	|	|	0.26
0.417	5.96	0.11	0.138	O	I	|	|	|	|	0.36
0.500	6.63	0.14	0.180	O	I	|	|	|	|	0.47
0.583	6.63	0.17	0.225	O	I	|	|	|	|	0.59
0.667	6.78	0.21	0.270	O	I	|	|	|	|	0.71
0.750	7.24	0.24	0.316	O	I	|	|	|	|	0.83
0.833	6.73	0.28	0.363	O	I	|	|	|	|	0.95
0.917	6.45	0.30	0.406	O	I	|	|	|	|	1.06
1.000	6.90	0.31	0.450	O	I	|	|	|	|	1.16
1.083	7.99	0.33	0.499	O	I	|	|	|	|	1.28
1.167	8.75	0.35	0.554	O	I	|	|	|	|	1.41
1.250	8.91	0.37	0.613	O	I	|	|	|	|	1.54
1.333	8.59	0.39	0.670	O	I	|	|	|	|	1.67
1.417	9.38	0.41	0.729	O	I	|	|	|	|	1.81
1.500	10.53	0.43	0.795	O	|	I	|	|	|	1.97
1.583	10.31	0.45	0.864	O	I	|	|	|	|	2.11
1.667	10.48	0.47	0.932	O	|	I	|	|	|	2.25
1.750	12.35	0.48	1.007	O	|	I	|	|	|	2.40
1.833	13.22	0.50	1.092	O	|	I	|	|	|	2.58
1.917	12.56	0.52	1.177	O	|	I	|	|	|	2.75
2.000	12.37	0.54	1.260	O	|	I	|	|	|	2.92
2.083	12.72	0.56	1.342	O	|	I	|	|	|	3.08
2.167	15.72	0.58	1.436	O	|	I	|	|	|	3.25
2.250	20.31	0.60	1.556	O	|	|	I	|	|	3.47
2.333	18.88	0.62	1.687	O	|	|	I	|	|	3.72
2.417	24.29	0.65	1.831	O	|	|	|	I	|	3.98
2.500	32.59	0.67	2.023	O	|	|	|	|	I	4.30
2.583	37.17	0.71	2.258	O	|	|	|	|	I	4.70
2.667	34.29	0.74	2.499	O	|	|	|	|	I	5.09
2.750	20.22	0.76	2.682	O	|	|	|	I	|	5.37
2.833	10.53	0.77	2.782	O	|	|	I	|	|	5.52
2.917	8.12	0.77	2.841	O	I	|	|	|	|	5.61
3.000	5.10	0.78	2.881	O	I	|	|	|	|	5.67
3.083	**1.88**	**0.78**	**2.900**	**OI**		**|**	**|**	**|**	**|**	**5.70**
3.167	0.45	0.78	2.903	O		|	|	|	|	5.70
3.250	0.08	0.78	2.899	O		|	|	|	|	5.70
3.333	0.00	0.78	2.894	O		|	|	|	|	5.69
3.417	0.00	0.78	2.889	O		|	|	|	|	5.68
3.500	0.00	0.78	2.883	O		|	|	|	|	5.67
3.583	0.00	0.78	2.878	O		|	|	|	|	5.66
3.667	0.00	0.78	2.873	O		|	|	|	|	5.66
3.750	0.00	0.78	2.867	O		|	|	|	|	5.65
3.833	0.00	0.77	2.862	O		|	|	|	|	5.64
3.917	0.00	0.77	2.857	O		|	|	|	|	5.63
4.000	0.00	0.77	2.851	O		|	|	|	|	5.62
4.083	0.00	0.77	2.846	O		|	|	|	|	5.62
4.167	0.00	0.77	2.841	O		|	|	|	|	5.61
4.250	0.00	0.77	2.835	O		|	|	|	|	5.60
4.333	0.00	0.77	2.830	O		|	|	|	|	5.59
4.417	0.00	0.77	2.825	O		|	|	|	|	5.58
4.500	0.00	0.77	2.820	O		|	|	|	|	5.58
4.583	0.00	0.77	2.814	O		|	|	|	|	5.57
4.667	0.00	0.77	2.809	O		|	|	|	|	5.56
4.750	0.00	0.77	2.804	O		|	|	|	|	5.55
4.833	0.00	0.77	2.798	O		|	|	|	|	5.54
4.917	0.00	0.77	2.793	O		|	|	|	|	5.53
5.000	0.00	0.77	2.788	O		|	|	|	|	5.53
5.083	0.00	0.77	2.782	O		|	|	|	|	5.52
5.167	0.00	0.77	2.777	O		|	|	|	|	5.51
5.250	0.00	0.77	2.772	O		|	|	|	|	5.50
5.333	0.00	0.76	2.767	O		|	|	|	|	5.49
5.417	0.00	0.76	2.761	O		|	|	|	|	5.49
5.500	0.00	0.76	2.756	O		|	|	|	|	5.48
5.583	0.00	0.76	2.751	O		|	|	|	|	5.47
5.667	0.00	0.76	2.746	O		|	|	|	|	5.46

5.750	0.00	0.76	2.740	O				5.46
5.833	0.00	0.76	2.735	O				5.45
5.917	0.00	0.76	2.730	O				5.44
6.000	0.00	0.76	2.725	O				5.43
6.083	0.00	0.76	2.719	O				5.42
6.167	0.00	0.76	2.714	O				5.42
6.250	0.00	0.76	2.709	O				5.41
6.333	0.00	0.76	2.704	O				5.40
6.417	0.00	0.76	2.699	O				5.39
6.500	0.00	0.76	2.693	O				5.38
6.583	0.00	0.76	2.688	O				5.38
6.667	0.00	0.76	2.683	O				5.37
6.750	0.00	0.76	2.678	O				5.36
6.833	0.00	0.75	2.673	O				5.35
6.917	0.00	0.75	2.667	O				5.34
7.000	0.00	0.75	2.662	O				5.34
7.083	0.00	0.75	2.657	O				5.33
7.167	0.00	0.75	2.652	O				5.32
7.250	0.00	0.75	2.647	O				5.31
7.333	0.00	0.75	2.641	O				5.31
7.417	0.00	0.75	2.636	O				5.30
7.500	0.00	0.75	2.631	O				5.29
7.583	0.00	0.75	2.626	O				5.28
7.667	0.00	0.75	2.621	O				5.27
7.750	0.00	0.75	2.616	O				5.27
7.833	0.00	0.75	2.610	O				5.26
7.917	0.00	0.75	2.605	O				5.25
8.000	0.00	0.75	2.600	O				5.24
8.083	0.00	0.75	2.595	O				5.23
8.167	0.00	0.75	2.590	O				5.23
8.250	0.00	0.75	2.585	O				5.22
8.333	0.00	0.74	2.580	O				5.21
8.417	0.00	0.74	2.574	O				5.20
8.500	0.00	0.74	2.569	O				5.20
8.583	0.00	0.74	2.564	O				5.19
8.667	0.00	0.74	2.559	O				5.18
8.750	0.00	0.74	2.554	O				5.17
8.833	0.00	0.74	2.549	O				5.16
8.917	0.00	0.74	2.544	O				5.16
9.000	0.00	0.74	2.539	O				5.15
9.083	0.00	0.74	2.534	O				5.14
9.167	0.00	0.74	2.528	O				5.13
9.250	0.00	0.74	2.523	O				5.13
9.333	0.00	0.74	2.518	O				5.12
9.417	0.00	0.74	2.513	O				5.11
9.500	0.00	0.74	2.508	O				5.10
9.583	0.00	0.74	2.503	O				5.10
9.667	0.00	0.74	2.498	O				5.09
9.750	0.00	0.74	2.493	O				5.08
9.833	0.00	0.74	2.488	O				5.07
9.917	0.00	0.73	2.483	O				5.06
10.000	0.00	0.73	2.478	O				5.06
10.083	0.00	0.73	2.473	O				5.05
10.167	0.00	0.73	2.468	O				5.04
10.250	0.00	0.73	2.463	O				5.03
10.333	0.00	0.73	2.458	O				5.03
10.417	0.00	0.73	2.452	O				5.02
10.500	0.00	0.73	2.447	O				5.01
10.583	0.00	0.73	2.442	O				5.00
10.667	0.00	0.73	2.437	O				5.00
10.750	0.00	0.73	2.432	O				4.99
10.833	0.00	0.73	2.427	O				4.98
10.917	0.00	0.73	2.422	O				4.97
11.000	0.00	0.73	2.417	O				4.96
11.083	0.00	0.73	2.412	O				4.95
11.167	0.00	0.73	2.407	O				4.95
11.250	0.00	0.72	2.402	O				4.94

11.333	0.00	0.72	2.397	O	|	|	|	|	4.93
11.417	0.00	0.72	2.392	O	|	|	|	|	4.92
11.500	0.00	0.72	2.387	O	|	|	|	|	4.91
11.583	0.00	0.72	2.382	O	|	|	|	|	4.90
11.667	0.00	0.72	2.377	O	|	|	|	|	4.90
11.750	0.00	0.72	2.372	O	|	|	|	|	4.89
11.833	0.00	0.72	2.367	O	|	|	|	|	4.88
11.917	0.00	0.72	2.363	O	|	|	|	|	4.87
12.000	0.00	0.72	2.358	O	|	|	|	|	4.86
12.083	0.00	0.72	2.353	O	|	|	|	|	4.85
12.167	0.00	0.72	2.348	O	|	|	|	|	4.85
12.250	0.00	0.72	2.343	O	|	|	|	|	4.84
12.333	0.00	0.72	2.338	O	|	|	|	|	4.83
12.417	0.00	0.72	2.333	O	|	|	|	|	4.82
12.500	0.00	0.72	2.328	O	|	|	|	|	4.81
12.583	0.00	0.71	2.323	O	|	|	|	|	4.81
12.667	0.00	0.71	2.318	O	|	|	|	|	4.80
12.750	0.00	0.71	2.313	O	|	|	|	|	4.79
12.833	0.00	0.71	2.308	O	|	|	|	|	4.78
12.917	0.00	0.71	2.303	O	|	|	|	|	4.77
13.000	0.00	0.71	2.298	O	|	|	|	|	4.76
13.083	0.00	0.71	2.294	O	|	|	|	|	4.76
13.167	0.00	0.71	2.289	O	|	|	|	|	4.75
13.250	0.00	0.71	2.284	O	|	|	|	|	4.74
13.333	0.00	0.71	2.279	O	|	|	|	|	4.73
13.417	0.00	0.71	2.274	O	|	|	|	|	4.72
13.500	0.00	0.71	2.269	O	|	|	|	|	4.72
13.583	0.00	0.71	2.264	O	|	|	|	|	4.71
13.667	0.00	0.71	2.259	O	|	|	|	|	4.70
13.750	0.00	0.71	2.255	O	|	|	|	|	4.69
13.833	0.00	0.70	2.250	O	|	|	|	|	4.68
13.917	0.00	0.70	2.245	O	|	|	|	|	4.67
14.000	0.00	0.70	2.240	O	|	|	|	|	4.67
14.083	0.00	0.70	2.235	O	|	|	|	|	4.66
14.167	0.00	0.70	2.230	O	|	|	|	|	4.65
14.250	0.00	0.70	2.226	O	|	|	|	|	4.64
14.333	0.00	0.70	2.221	O	|	|	|	|	4.63
14.417	0.00	0.70	2.216	O	|	|	|	|	4.63
14.500	0.00	0.70	2.211	O	|	|	|	|	4.62
14.583	0.00	0.70	2.206	O	|	|	|	|	4.61
14.667	0.00	0.70	2.201	O	|	|	|	|	4.60
14.750	0.00	0.70	2.197	O	|	|	|	|	4.59
14.833	0.00	0.70	2.192	O	|	|	|	|	4.59
14.917	0.00	0.70	2.187	O	|	|	|	|	4.58
15.000	0.00	0.70	2.182	O	|	|	|	|	4.57
15.083	0.00	0.69	2.177	O	|	|	|	|	4.56
15.167	0.00	0.69	2.173	O	|	|	|	|	4.55
15.250	0.00	0.69	2.168	O	|	|	|	|	4.55
15.333	0.00	0.69	2.163	O	|	|	|	|	4.54
15.417	0.00	0.69	2.158	O	|	|	|	|	4.53
15.500	0.00	0.69	2.154	O	|	|	|	|	4.52
15.583	0.00	0.69	2.149	O	|	|	|	|	4.51
15.667	0.00	0.69	2.144	O	|	|	|	|	4.51
15.750	0.00	0.69	2.139	O	|	|	|	|	4.50
15.833	0.00	0.69	2.135	O	|	|	|	|	4.49
15.917	0.00	0.69	2.130	O	|	|	|	|	4.48
16.000	0.00	0.69	2.125	O	|	|	|	|	4.48
16.083	0.00	0.69	2.120	O	|	|	|	|	4.47
16.167	0.00	0.69	2.116	O	|	|	|	|	4.46
16.250	0.00	0.69	2.111	O	|	|	|	|	4.45
16.333	0.00	0.69	2.106	O	|	|	|	|	4.44
16.417	0.00	0.68	2.101	O	|	|	|	|	4.44
16.500	0.00	0.68	2.097	O	|	|	|	|	4.43
16.583	0.00	0.68	2.092	O	|	|	|	|	4.42
16.667	0.00	0.68	2.087	O	|	|	|	|	4.41
16.750	0.00	0.68	2.083	O	|	|	|	|	4.40
16.833	0.00	0.68	2.078	O	|	|	|	|	4.40

16.917	0.00	0.68	2.073	O	|	|	|	4.39
17.000	0.00	0.68	2.069	O	|	|	|	4.38
17.083	0.00	0.68	2.064	O	|	|	|	4.37
17.167	0.00	0.68	2.059	O	|	|	|	4.37
17.250	0.00	0.68	2.054	O	|	|	|	4.36
17.333	0.00	0.68	2.050	O	|	|	|	4.35
17.417	0.00	0.68	2.045	O	|	|	|	4.34
17.500	0.00	0.68	2.040	O	|	|	|	4.33
17.583	0.00	0.68	2.036	O	|	|	|	4.33
17.667	0.00	0.68	2.031	O	|	|	|	4.32
17.750	0.00	0.67	2.027	O	|	|	|	4.31
17.833	0.00	0.67	2.022	O	|	|	|	4.30
17.917	0.00	0.67	2.017	O	|	|	|	4.30
18.000	0.00	0.67	2.013	O	|	|	|	4.29
18.083	0.00	0.67	2.008	O	|	|	|	4.28
18.167	0.00	0.67	2.003	O	|	|	|	4.27
18.250	0.00	0.67	1.999	O	|	|	|	4.26
18.333	0.00	0.67	1.994	O	|	|	|	4.26
18.417	0.00	0.67	1.989	O	|	|	|	4.25
18.500	0.00	0.67	1.985	O	|	|	|	4.24
18.583	0.00	0.67	1.980	O	|	|	|	4.23
18.667	0.00	0.67	1.976	O	|	|	|	4.23
18.750	0.00	0.67	1.971	O	|	|	|	4.22
18.833	0.00	0.67	1.966	O	|	|	|	4.21
18.917	0.00	0.67	1.962	O	|	|	|	4.20
19.000	0.00	0.67	1.957	O	|	|	|	4.20
19.083	0.00	0.67	1.953	O	|	|	|	4.19
19.167	0.00	0.66	1.948	O	|	|	|	4.18
19.250	0.00	0.66	1.944	O	|	|	|	4.17
19.333	0.00	0.66	1.939	O	|	|	|	4.16
19.417	0.00	0.66	1.934	O	|	|	|	4.16
19.500	0.00	0.66	1.930	O	|	|	|	4.15
19.583	0.00	0.66	1.925	O	|	|	|	4.14
19.667	0.00	0.66	1.921	O	|	|	|	4.13
19.750	0.00	0.66	1.916	O	|	|	|	4.13
19.833	0.00	0.66	1.912	O	|	|	|	4.12
19.917	0.00	0.66	1.907	O	|	|	|	4.11
20.000	0.00	0.66	1.903	O	|	|	|	4.10
20.083	0.00	0.66	1.898	O	|	|	|	4.10
20.167	0.00	0.66	1.893	O	|	|	|	4.09
20.250	0.00	0.66	1.889	O	|	|	|	4.08
20.333	0.00	0.66	1.884	O	|	|	|	4.07
20.417	0.00	0.66	1.880	O	|	|	|	4.07
20.500	0.00	0.65	1.875	O	|	|	|	4.06
20.583	0.00	0.65	1.871	O	|	|	|	4.05
20.667	0.00	0.65	1.866	O	|	|	|	4.04
20.750	0.00	0.65	1.862	O	|	|	|	4.04
20.833	0.00	0.65	1.857	O	|	|	|	4.03
20.917	0.00	0.65	1.853	O	|	|	|	4.02
21.000	0.00	0.65	1.848	O	|	|	|	4.01
21.083	0.00	0.65	1.844	O	|	|	|	4.01
21.167	0.00	0.65	1.839	O	|	|	|	4.00
21.250	0.00	0.65	1.835	O	|	|	|	3.99
21.333	0.00	0.65	1.831	O	|	|	|	3.98
21.417	0.00	0.65	1.826	O	|	|	|	3.97
21.500	0.00	0.65	1.822	O	|	|	|	3.97
21.583	0.00	0.65	1.817	O	|	|	|	3.96
21.667	0.00	0.64	1.813	O	|	|	|	3.95
21.750	0.00	0.64	1.808	O	|	|	|	3.94
21.833	0.00	0.64	1.804	O	|	|	|	3.93
21.917	0.00	0.64	1.799	O	|	|	|	3.92
22.000	0.00	0.64	1.795	O	|	|	|	3.92
22.083	0.00	0.64	1.791	O	|	|	|	3.91
22.167	0.00	0.64	1.786	O	|	|	|	3.90
22.250	0.00	0.64	1.782	O	|	|	|	3.89
22.333	0.00	0.64	1.777	O	|	|	|	3.88
22.417	0.00	0.64	1.773	O	|	|	|	3.88

22.500	0.00	0.64	1.769	O	|	|	|	|	3.87
22.583	0.00	0.64	1.764	O	|	|	|	|	3.86
22.667	0.00	0.64	1.760	O	|	|	|	|	3.85
22.750	0.00	0.63	1.755	O	|	|	|	|	3.84
22.833	0.00	0.63	1.751	O	|	|	|	|	3.84
22.917	0.00	0.63	1.747	O	|	|	|	|	3.83
23.000	0.00	0.63	1.742	O	|	|	|	|	3.82
23.083	0.00	0.63	1.738	O	|	|	|	|	3.81
23.167	0.00	0.63	1.734	O	|	|	|	|	3.80
23.250	0.00	0.63	1.729	O	|	|	|	|	3.80
23.333	0.00	0.63	1.725	O	|	|	|	|	3.79
23.417	0.00	0.63	1.721	O	|	|	|	|	3.78
23.500	0.00	0.63	1.716	O	|	|	|	|	3.77
23.583	0.00	0.63	1.712	O	|	|	|	|	3.76
23.667	0.00	0.63	1.708	O	|	|	|	|	3.76
23.750	0.00	0.62	1.703	O	|	|	|	|	3.75
23.833	0.00	0.62	1.699	O	|	|	|	|	3.74
23.917	0.00	0.62	1.695	O	|	|	|	|	3.73
24.000	0.00	0.62	1.691	O	|	|	|	|	3.72
24.083	0.00	0.62	1.686	O	|	|	|	|	3.72
24.167	0.00	0.62	1.682	O	|	|	|	|	3.71
24.250	0.00	0.62	1.678	O	|	|	|	|	3.70
24.333	0.00	0.62	1.673	O	|	|	|	|	3.69
24.417	0.00	0.62	1.669	O	|	|	|	|	3.68
24.500	0.00	0.62	1.665	O	|	|	|	|	3.68
24.583	0.00	0.62	1.661	O	|	|	|	|	3.67
24.667	0.00	0.62	1.656	O	|	|	|	|	3.66
24.750	0.00	0.62	1.652	O	|	|	|	|	3.65
24.833	0.00	0.61	1.648	O	|	|	|	|	3.64
24.917	0.00	0.61	1.644	O	|	|	|	|	3.64
25.000	0.00	0.61	1.640	O	|	|	|	|	3.63
25.083	0.00	0.61	1.635	O	|	|	|	|	3.62
25.167	0.00	0.61	1.631	O	|	|	|	|	3.61
25.250	0.00	0.61	1.627	O	|	|	|	|	3.61
25.333	0.00	0.61	1.623	O	|	|	|	|	3.60
25.417	0.00	0.61	1.618	O	|	|	|	|	3.59
25.500	0.00	0.61	1.614	O	|	|	|	|	3.58
25.583	0.00	0.61	1.610	O	|	|	|	|	3.57
25.667	0.00	0.61	1.606	O	|	|	|	|	3.57
25.750	0.00	0.61	1.602	O	|	|	|	|	3.56
25.833	0.00	0.61	1.598	O	|	|	|	|	3.55
25.917	0.00	0.60	1.593	O	|	|	|	|	3.54
26.000	0.00	0.60	1.589	O	|	|	|	|	3.54
26.083	0.00	0.60	1.585	O	|	|	|	|	3.53
26.167	0.00	0.60	1.581	O	|	|	|	|	3.52
26.250	0.00	0.60	1.577	O	|	|	|	|	3.51
26.333	0.00	0.60	1.573	O	|	|	|	|	3.50
26.417	0.00	0.60	1.569	O	|	|	|	|	3.50
26.500	0.00	0.60	1.564	O	|	|	|	|	3.49
26.583	0.00	0.60	1.560	O	|	|	|	|	3.48
26.667	0.00	0.60	1.556	O	|	|	|	|	3.47
26.750	0.00	0.60	1.552	O	|	|	|	|	3.47
26.833	0.00	0.60	1.548	O	|	|	|	|	3.46
26.917	0.00	0.60	1.544	O	|	|	|	|	3.45
27.000	0.00	0.59	1.540	O	|	|	|	|	3.44
27.083	0.00	0.59	1.536	O	|	|	|	|	3.44
27.167	0.00	0.59	1.532	O	|	|	|	|	3.43
27.250	0.00	0.59	1.527	O	|	|	|	|	3.42
27.333	0.00	0.59	1.523	O	|	|	|	|	3.41
27.417	0.00	0.59	1.519	O	|	|	|	|	3.41
27.500	0.00	0.59	1.515	O	|	|	|	|	3.40
27.583	0.00	0.59	1.511	O	|	|	|	|	3.39
27.667	0.00	0.59	1.507	O	|	|	|	|	3.38
27.750	0.00	0.59	1.503	O	|	|	|	|	3.38
27.833	0.00	0.59	1.499	O	|	|	|	|	3.37
27.917	0.00	0.59	1.495	O	|	|	|	|	3.36
28.000	0.00	0.59	1.491	O	|	|	|	|	3.35

28.083	0.00	0.58	1.487	O	|	|	|	|	3.35
28.167	0.00	0.58	1.483	O	|	|	|	|	3.34
28.250	0.00	0.58	1.479	O	|	|	|	|	3.33
28.333	0.00	0.58	1.475	O	|	|	|	|	3.32
28.417	0.00	0.58	1.471	O	|	|	|	|	3.32
28.500	0.00	0.58	1.467	O	|	|	|	|	3.31
28.583	0.00	0.58	1.463	O	|	|	|	|	3.30
28.667	0.00	0.58	1.459	O	|	|	|	|	3.29
28.750	0.00	0.58	1.455	O	|	|	|	|	3.29
28.833	0.00	0.58	1.451	O	|	|	|	|	3.28
28.917	0.00	0.58	1.447	O	|	|	|	|	3.27
29.000	0.00	0.58	1.443	O	|	|	|	|	3.26
29.083	0.00	0.58	1.439	O	|	|	|	|	3.26
29.167	0.00	0.58	1.435	O	|	|	|	|	3.25
29.250	0.00	0.57	1.431	O	|	|	|	|	3.24
29.333	0.00	0.57	1.427	O	|	|	|	|	3.24
29.417	0.00	0.57	1.423	O	|	|	|	|	3.23
29.500	0.00	0.57	1.419	O	|	|	|	|	3.22
29.583	0.00	0.57	1.415	O	|	|	|	|	3.21
29.667	0.00	0.57	1.411	O	|	|	|	|	3.21
29.750	0.00	0.57	1.407	O	|	|	|	|	3.20
29.833	0.00	0.57	1.404	O	|	|	|	|	3.19
29.917	0.00	0.57	1.400	O	|	|	|	|	3.18
30.000	0.00	0.57	1.396	O	|	|	|	|	3.18
30.083	0.00	0.57	1.392	O	|	|	|	|	3.17
30.167	0.00	0.57	1.388	O	|	|	|	|	3.16
30.250	0.00	0.57	1.384	O	|	|	|	|	3.16
30.333	0.00	0.56	1.380	O	|	|	|	|	3.15
30.417	0.00	0.56	1.376	O	|	|	|	|	3.14
30.500	0.00	0.56	1.372	O	|	|	|	|	3.13
30.583	0.00	0.56	1.368	O	|	|	|	|	3.13
30.667	0.00	0.56	1.365	O	|	|	|	|	3.12
30.750	0.00	0.56	1.361	O	|	|	|	|	3.11
30.833	0.00	0.56	1.357	O	|	|	|	|	3.11
30.917	0.00	0.56	1.353	O	|	|	|	|	3.10
31.000	0.00	0.56	1.349	O	|	|	|	|	3.09
31.083	0.00	0.56	1.345	O	|	|	|	|	3.08
31.167	0.00	0.56	1.341	O	|	|	|	|	3.08
31.250	0.00	0.56	1.338	O	|	|	|	|	3.07
31.333	0.00	0.56	1.334	O	|	|	|	|	3.06
31.417	0.00	0.56	1.330	O	|	|	|	|	3.06
31.500	0.00	0.55	1.326	O	|	|	|	|	3.05
31.583	0.00	0.55	1.322	O	|	|	|	|	3.04
31.667	0.00	0.55	1.318	O	|	|	|	|	3.03
31.750	0.00	0.55	1.315	O	|	|	|	|	3.03
31.833	0.00	0.55	1.311	O	|	|	|	|	3.02
31.917	0.00	0.55	1.307	O	|	|	|	|	3.01
32.000	0.00	0.55	1.303	O	|	|	|	|	3.01
32.083	0.00	0.55	1.300	O	|	|	|	|	3.00
32.167	0.00	0.55	1.296	O	|	|	|	|	2.99
32.250	0.00	0.55	1.292	O	|	|	|	|	2.98
32.333	0.00	0.55	1.288	O	|	|	|	|	2.98
32.417	0.00	0.55	1.284	O	|	|	|	|	2.97
32.500	0.00	0.55	1.281	O	|	|	|	|	2.96
32.583	0.00	0.54	1.277	O	|	|	|	|	2.95
32.667	0.00	0.54	1.273	O	|	|	|	|	2.95
32.750	0.00	0.54	1.269	O	|	|	|	|	2.94
32.833	0.00	0.54	1.266	O	|	|	|	|	2.93
32.917	0.00	0.54	1.262	O	|	|	|	|	2.92
33.000	0.00	0.54	1.258	O	|	|	|	|	2.91
33.083	0.00	0.54	1.254	O	|	|	|	|	2.91
33.167	0.00	0.54	1.251	O	|	|	|	|	2.90
33.250	0.00	0.54	1.247	O	|	|	|	|	2.89
33.333	0.00	0.54	1.243	O	|	|	|	|	2.88
33.417	0.00	0.54	1.240	O	|	|	|	|	2.88
33.500	0.00	0.54	1.236	O	|	|	|	|	2.87
33.583	0.00	0.53	1.232	O	|	|	|	|	2.86

33.667	0.00	0.53	1.229	O	|	|	|	2.85
33.750	0.00	0.53	1.225	O	|	|	|	2.85
33.833	0.00	0.53	1.221	O	|	|	|	2.84
33.917	0.00	0.53	1.218	O	|	|	|	2.83
34.000	0.00	0.53	1.214	O	|	|	|	2.82
34.083	0.00	0.53	1.210	O	|	|	|	2.82
34.167	0.00	0.53	1.207	O	|	|	|	2.81
34.250	0.00	0.53	1.203	O	|	|	|	2.80
34.333	0.00	0.53	1.199	O	|	|	|	2.79
34.417	0.00	0.53	1.196	O	|	|	|	2.79
34.500	0.00	0.53	1.192	O	|	|	|	2.78
34.583	0.00	0.52	1.188	O	|	|	|	2.77
34.667	0.00	0.52	1.185	O	|	|	|	2.77
34.750	0.00	0.52	1.181	O	|	|	|	2.76
34.833	0.00	0.52	1.178	O	|	|	|	2.75
34.917	0.00	0.52	1.174	O	|	|	|	2.74
35.000	0.00	0.52	1.170	O	|	|	|	2.74
35.083	0.00	0.52	1.167	O	|	|	|	2.73
35.167	0.00	0.52	1.163	O	|	|	|	2.72
35.250	0.00	0.52	1.160	O	|	|	|	2.71
35.333	0.00	0.52	1.156	O	|	|	|	2.71
35.417	0.00	0.52	1.153	O	|	|	|	2.70
35.500	0.00	0.52	1.149	O	|	|	|	2.69
35.583	0.00	0.52	1.145	O	|	|	|	2.68
35.667	0.00	0.51	1.142	O	|	|	|	2.68
35.750	0.00	0.51	1.138	O	|	|	|	2.67
35.833	0.00	0.51	1.135	O	|	|	|	2.66
35.917	0.00	0.51	1.131	O	|	|	|	2.66
36.000	0.00	0.51	1.128	O	|	|	|	2.65
36.083	0.00	0.51	1.124	O	|	|	|	2.64
36.167	0.00	0.51	1.121	O	|	|	|	2.63
36.250	0.00	0.51	1.117	O	|	|	|	2.63
36.333	0.00	0.51	1.114	O	|	|	|	2.62
36.417	0.00	0.51	1.110	O	|	|	|	2.61
36.500	0.00	0.51	1.107	O	|	|	|	2.61
36.583	0.00	0.51	1.103	O	|	|	|	2.60
36.667	0.00	0.51	1.100	O	|	|	|	2.59
36.750	0.00	0.50	1.096	O	|	|	|	2.58
36.833	0.00	0.50	1.093	O	|	|	|	2.58
36.917	0.00	0.50	1.089	O	|	|	|	2.57
37.000	0.00	0.50	1.086	O	|	|	|	2.56
37.083	0.00	0.50	1.082	O	|	|	|	2.56
37.167	0.00	0.50	1.079	O	|	|	|	2.55
37.250	0.00	0.50	1.076	O	|	|	|	2.54
37.333	0.00	0.50	1.072	O	|	|	|	2.54
37.417	0.00	0.50	1.069	O	|	|	|	2.53
37.500	0.00	0.50	1.065	O	|	|	|	2.52
37.583	0.00	0.50	1.062	O	|	|	|	2.51
37.667	0.00	0.50	1.058	O	|	|	|	2.51
37.750	0.00	0.50	1.055	O	|	|	|	2.50
37.833	0.00	0.49	1.052	O	|	|	|	2.49
37.917	0.00	0.49	1.048	O	|	|	|	2.49
38.000	0.00	0.49	1.045	O	|	|	|	2.48
38.083	0.00	0.49	1.041	O	|	|	|	2.47
38.167	0.00	0.49	1.038	O	|	|	|	2.47
38.250	0.00	0.49	1.035	O	|	|	|	2.46
38.333	0.00	0.49	1.031	O	|	|	|	2.45
38.417	0.00	0.49	1.028	O	|	|	|	2.44
38.500	0.00	0.49	1.025	O	|	|	|	2.44
38.583	0.00	0.49	1.021	O	|	|	|	2.43
38.667	0.00	0.49	1.018	O	|	|	|	2.42
38.750	0.00	0.49	1.015	O	|	|	|	2.42
38.833	0.00	0.49	1.011	O	|	|	|	2.41
38.917	0.00	0.48	1.008	O	|	|	|	2.40
39.000	0.00	0.48	1.005	O	|	|	|	2.40
39.083	0.00	0.48	1.001	O	|	|	|	2.39
39.167	0.00	0.48	0.998	O	|	|	|	2.38

39.250	0.00	0.48	0.995	O	|	|	|	2.38
39.333	0.00	0.48	0.991	O	|	|	|	2.37
39.417	0.00	0.48	0.988	O	|	|	|	2.36
39.500	0.00	0.48	0.985	O	|	|	|	2.36
39.583	0.00	0.48	0.981	O	|	|	|	2.35
39.667	0.00	0.48	0.978	O	|	|	|	2.34
39.750	0.00	0.48	0.975	O	|	|	|	2.34
39.833	0.00	0.48	0.971	O	|	|	|	2.33
39.917	0.00	0.48	0.968	O	|	|	|	2.32
40.000	0.00	0.47	0.965	O	|	|	|	2.32
40.083	0.00	0.47	0.962	O	|	|	|	2.31
40.167	0.00	0.47	0.958	O	|	|	|	2.30
40.250	0.00	0.47	0.955	O	|	|	|	2.30
40.333	0.00	0.47	0.952	O	|	|	|	2.29
40.417	0.00	0.47	0.949	O	|	|	|	2.28
40.500	0.00	0.47	0.945	O	|	|	|	2.28
40.583	0.00	0.47	0.942	O	|	|	|	2.27
40.667	0.00	0.47	0.939	O	|	|	|	2.26
40.750	0.00	0.47	0.936	O	|	|	|	2.26
40.833	0.00	0.47	0.932	O	|	|	|	2.25
40.917	0.00	0.47	0.929	O	|	|	|	2.24
41.000	0.00	0.47	0.926	O	|	|	|	2.24
41.083	0.00	0.47	0.923	O	|	|	|	2.23
41.167	0.00	0.46	0.920	O	|	|	|	2.22
41.250	0.00	0.46	0.916	O	|	|	|	2.22
41.333	0.00	0.46	0.913	O	|	|	|	2.21
41.417	0.00	0.46	0.910	O	|	|	|	2.20
41.500	0.00	0.46	0.907	O	|	|	|	2.20
41.583	0.00	0.46	0.904	O	|	|	|	2.19
41.667	0.00	0.46	0.901	O	|	|	|	2.18
41.750	0.00	0.46	0.897	O	|	|	|	2.18
41.833	0.00	0.46	0.894	O	|	|	|	2.17
41.917	0.00	0.46	0.891	O	|	|	|	2.17
42.000	0.00	0.46	0.888	O	|	|	|	2.16
42.083	0.00	0.46	0.885	O	|	|	|	2.15
42.167	0.00	0.46	0.882	O	|	|	|	2.15
42.250	0.00	0.46	0.878	O	|	|	|	2.14
42.333	0.00	0.45	0.875	O	|	|	|	2.13
42.417	0.00	0.45	0.872	O	|	|	|	2.13
42.500	0.00	0.45	0.869	O	|	|	|	2.12
42.583	0.00	0.45	0.866	O	|	|	|	2.11
42.667	0.00	0.45	0.863	O	|	|	|	2.11
42.750	0.00	0.45	0.860	O	|	|	|	2.10
42.833	0.00	0.45	0.857	O	|	|	|	2.10
42.917	0.00	0.45	0.853	O	|	|	|	2.09
43.000	0.00	0.45	0.850	O	|	|	|	2.08
43.083	0.00	0.45	0.847	O	|	|	|	2.08
43.167	0.00	0.45	0.844	O	|	|	|	2.07
43.250	0.00	0.45	0.841	O	|	|	|	2.06
43.333	0.00	0.45	0.838	O	|	|	|	2.06
43.417	0.00	0.45	0.835	O	|	|	|	2.05
43.500	0.00	0.44	0.832	O	|	|	|	2.04
43.583	0.00	0.44	0.829	O	|	|	|	2.04
43.667	0.00	0.44	0.826	O	|	|	|	2.03
43.750	0.00	0.44	0.823	O	|	|	|	2.03
43.833	0.00	0.44	0.820	O	|	|	|	2.02
43.917	0.00	0.44	0.817	O	|	|	|	2.01
44.000	0.00	0.44	0.814	O	|	|	|	2.01
44.083	0.00	0.44	0.811	O	|	|	|	2.00
44.167	0.00	0.44	0.808	O	|	|	|	1.99
44.250	0.00	0.44	0.805	O	|	|	|	1.99
44.333	0.00	0.44	0.802	O	|	|	|	1.98
44.417	0.00	0.44	0.799	O	|	|	|	1.97
44.500	0.00	0.43	0.796	O	|	|	|	1.97
44.583	0.00	0.43	0.793	O	|	|	|	1.96
44.667	0.00	0.43	0.790	O	|	|	|	1.95
44.750	0.00	0.43	0.787	O	|	|	|	1.95

44.833	0.00	0.43	0.784	O	|	|	|	|	1.94
44.917	0.00	0.43	0.781	O	|	|	|	|	1.93
45.000	0.00	0.43	0.778	O	|	|	|	|	1.92
45.083	0.00	0.43	0.775	O	|	|	|	|	1.92
45.167	0.00	0.43	0.772	O	|	|	|	|	1.91
45.250	0.00	0.43	0.769	O	|	|	|	|	1.90
45.333	0.00	0.42	0.766	O	|	|	|	|	1.90
45.417	0.00	0.42	0.763	O	|	|	|	|	1.89
45.500	0.00	0.42	0.760	O	|	|	|	|	1.88
45.583	0.00	0.42	0.757	O	|	|	|	|	1.88
45.667	0.00	0.42	0.754	O	|	|	|	|	1.87
45.750	0.00	0.42	0.751	O	|	|	|	|	1.86
45.833	0.00	0.42	0.749	O	|	|	|	|	1.86
45.917	0.00	0.42	0.746	O	|	|	|	|	1.85
46.000	0.00	0.42	0.743	O	|	|	|	|	1.84
46.083	0.00	0.42	0.740	O	|	|	|	|	1.84
46.167	0.00	0.41	0.737	O	|	|	|	|	1.83
46.250	0.00	0.41	0.734	O	|	|	|	|	1.82
46.333	0.00	0.41	0.731	O	|	|	|	|	1.82
46.417	0.00	0.41	0.729	O	|	|	|	|	1.81
46.500	0.00	0.41	0.726	O	|	|	|	|	1.80
46.583	0.00	0.41	0.723	O	|	|	|	|	1.80
46.667	0.00	0.41	0.720	O	|	|	|	|	1.79
46.750	0.00	0.41	0.717	O	|	|	|	|	1.78
46.833	0.00	0.41	0.714	O	|	|	|	|	1.78
46.917	0.00	0.41	0.712	O	|	|	|	|	1.77
47.000	0.00	0.40	0.709	O	|	|	|	|	1.76
47.083	0.00	0.40	0.706	O	|	|	|	|	1.76
47.167	0.00	0.40	0.703	O	|	|	|	|	1.75
47.250	0.00	0.40	0.700	O	|	|	|	|	1.75
47.333	0.00	0.40	0.698	O	|	|	|	|	1.74
47.417	0.00	0.40	0.695	O	|	|	|	|	1.73
47.500	0.00	0.40	0.692	O	|	|	|	|	1.73
47.583	0.00	0.40	0.689	O	|	|	|	|	1.72
47.667	0.00	0.40	0.687	O	|	|	|	|	1.71
47.750	0.00	0.40	0.684	O	|	|	|	|	1.71
47.833	0.00	0.40	0.681	O	|	|	|	|	1.70
47.917	0.00	0.39	0.679	O	|	|	|	|	1.69
48.000	0.00	0.39	0.676	O	|	|	|	|	1.69
48.083	0.00	0.39	0.673	O	|	|	|	|	1.68
48.167	0.00	0.39	0.670	O	|	|	|	|	1.68
48.250	0.00	0.39	0.668	O	|	|	|	|	1.67
48.333	0.00	0.39	0.665	O	|	|	|	|	1.66
48.417	0.00	0.39	0.662	O	|	|	|	|	1.66
48.500	0.00	0.39	0.660	O	|	|	|	|	1.65
48.583	0.00	0.39	0.657	O	|	|	|	|	1.64
48.667	0.00	0.39	0.654	O	|	|	|	|	1.64
48.750	0.00	0.38	0.652	O	|	|	|	|	1.63
48.833	0.00	0.38	0.649	O	|	|	|	|	1.63
48.917	0.00	0.38	0.646	O	|	|	|	|	1.62
49.000	0.00	0.38	0.644	O	|	|	|	|	1.61
49.083	0.00	0.38	0.641	O	|	|	|	|	1.61
49.167	0.00	0.38	0.639	O	|	|	|	|	1.60
49.250	0.00	0.38	0.636	O	|	|	|	|	1.60
49.333	0.00	0.38	0.633	O	|	|	|	|	1.59
49.417	0.00	0.38	0.631	O	|	|	|	|	1.58
49.500	0.00	0.38	0.628	O	|	|	|	|	1.58
49.583	0.00	0.38	0.626	O	|	|	|	|	1.57
49.667	0.00	0.37	0.623	O	|	|	|	|	1.57
49.750	0.00	0.37	0.620	O	|	|	|	|	1.56
49.833	0.00	0.37	0.618	O	|	|	|	|	1.55
49.917	0.00	0.37	0.615	O	|	|	|	|	1.55
50.000	0.00	0.37	0.613	O	|	|	|	|	1.54
50.083	0.00	0.37	0.610	O	|	|	|	|	1.54
50.167	0.00	0.37	0.608	O	|	|	|	|	1.53
50.250	0.00	0.37	0.605	O	|	|	|	|	1.52
50.333	0.00	0.37	0.603	O	|	|	|	|	1.52

50.417	0.00	0.37	0.600	O	|	|	|	|	1.51
50.500	0.00	0.37	0.597	O	|	|	|	|	1.51
50.583	0.00	0.36	0.595	O	|	|	|	|	1.50
50.667	0.00	0.36	0.592	O	|	|	|	|	1.49
50.750	0.00	0.36	0.590	O	|	|	|	|	1.49
50.833	0.00	0.36	0.587	O	|	|	|	|	1.48
50.917	0.00	0.36	0.585	O	|	|	|	|	1.48
51.000	0.00	0.36	0.582	O	|	|	|	|	1.47
51.083	0.00	0.36	0.580	O	|	|	|	|	1.47
51.167	0.00	0.36	0.578	O	|	|	|	|	1.46
51.250	0.00	0.36	0.575	O	|	|	|	|	1.45
51.333	0.00	0.36	0.573	O	|	|	|	|	1.45
51.417	0.00	0.36	0.570	O	|	|	|	|	1.44
51.500	0.00	0.36	0.568	O	|	|	|	|	1.44
51.583	0.00	0.35	0.565	O	|	|	|	|	1.43
51.667	0.00	0.35	0.563	O	|	|	|	|	1.43
51.750	0.00	0.35	0.560	O	|	|	|	|	1.42
51.833	0.00	0.35	0.558	O	|	|	|	|	1.41
51.917	0.00	0.35	0.556	O	|	|	|	|	1.41
52.000	0.00	0.35	0.553	O	|	|	|	|	1.40
52.083	0.00	0.35	0.551	O	|	|	|	|	1.40
52.167	0.00	0.35	0.548	O	|	|	|	|	1.39
52.250	0.00	0.35	0.546	O	|	|	|	|	1.39
52.333	0.00	0.35	0.543	O	|	|	|	|	1.38
52.417	0.00	0.35	0.541	O	|	|	|	|	1.37
52.500	0.00	0.35	0.539	O	|	|	|	|	1.37
52.583	0.00	0.34	0.536	O	|	|	|	|	1.36
52.667	0.00	0.34	0.534	O	|	|	|	|	1.36
52.750	0.00	0.34	0.532	O	|	|	|	|	1.35
52.833	0.00	0.34	0.529	O	|	|	|	|	1.35
52.917	0.00	0.34	0.527	O	|	|	|	|	1.34
53.000	0.00	0.34	0.525	O	|	|	|	|	1.34
53.083	0.00	0.34	0.522	O	|	|	|	|	1.33
53.167	0.00	0.34	0.520	O	|	|	|	|	1.33
53.250	0.00	0.34	0.518	O	|	|	|	|	1.32
53.333	0.00	0.34	0.515	O	|	|	|	|	1.31
53.417	0.00	0.34	0.513	O	|	|	|	|	1.31
53.500	0.00	0.34	0.511	O	|	|	|	|	1.30
53.583	0.00	0.33	0.508	O	|	|	|	|	1.30
53.667	0.00	0.33	0.506	O	|	|	|	|	1.29
53.750	0.00	0.33	0.504	O	|	|	|	|	1.29
53.833	0.00	0.33	0.501	O	|	|	|	|	1.28
53.917	0.00	0.33	0.499	O	|	|	|	|	1.28
54.000	0.00	0.33	0.497	O	|	|	|	|	1.27
54.083	0.00	0.33	0.495	O	|	|	|	|	1.27
54.167	0.00	0.33	0.492	O	|	|	|	|	1.26
54.250	0.00	0.33	0.490	O	|	|	|	|	1.26
54.333	0.00	0.33	0.488	O	|	|	|	|	1.25
54.417	0.00	0.33	0.485	O	|	|	|	|	1.25
54.500	0.00	0.33	0.483	O	|	|	|	|	1.24
54.583	0.00	0.33	0.481	O	|	|	|	|	1.23
54.667	0.00	0.32	0.479	O	|	|	|	|	1.23
54.750	0.00	0.32	0.477	O	|	|	|	|	1.22
54.833	0.00	0.32	0.474	O	|	|	|	|	1.22
54.917	0.00	0.32	0.472	O	|	|	|	|	1.21
55.000	0.00	0.32	0.470	O	|	|	|	|	1.21
55.083	0.00	0.32	0.468	O	|	|	|	|	1.20
55.167	0.00	0.32	0.465	O	|	|	|	|	1.20
55.250	0.00	0.32	0.463	O	|	|	|	|	1.19
55.333	0.00	0.32	0.461	O	|	|	|	|	1.19
55.417	0.00	0.32	0.459	O	|	|	|	|	1.18
55.500	0.00	0.32	0.457	O	|	|	|	|	1.18
55.583	0.00	0.32	0.455	O	|	|	|	|	1.17
55.667	0.00	0.32	0.452	O	|	|	|	|	1.17
55.750	0.00	0.31	0.450	O	|	|	|	|	1.16
55.833	0.00	0.31	0.448	O	|	|	|	|	1.16
55.917	0.00	0.31	0.446	O	|	|	|	|	1.15

56.000	0.00	0.31	0.444	O	|	|	|	|	1.15
56.083	0.00	0.31	0.442	O	|	|	|	|	1.14
56.167	0.00	0.31	0.439	O	|	|	|	|	1.14
56.250	0.00	0.31	0.437	O	|	|	|	|	1.13
56.333	0.00	0.31	0.435	O	|	|	|	|	1.13
56.417	0.00	0.31	0.433	O	|	|	|	|	1.12
56.500	0.00	0.31	0.431	O	|	|	|	|	1.12
56.583	0.00	0.31	0.429	O	|	|	|	|	1.11
56.667	0.00	0.31	0.427	O	|	|	|	|	1.11
56.750	0.00	0.31	0.425	O	|	|	|	|	1.10
56.833	0.00	0.30	0.422	O	|	|	|	|	1.10
56.917	0.00	0.30	0.420	O	|	|	|	|	1.09
57.000	0.00	0.30	0.418	O	|	|	|	|	1.09
57.083	0.00	0.30	0.416	O	|	|	|	|	1.08
57.167	0.00	0.30	0.414	O	|	|	|	|	1.08
57.250	0.00	0.30	0.412	O	|	|	|	|	1.07
57.333	0.00	0.30	0.410	O	|	|	|	|	1.07
57.417	0.00	0.30	0.408	O	|	|	|	|	1.06
57.500	0.00	0.30	0.406	O	|	|	|	|	1.06
57.583	0.00	0.30	0.404	O	|	|	|	|	1.06
57.667	0.00	0.30	0.402	O	|	|	|	|	1.05
57.750	0.00	0.30	0.400	O	|	|	|	|	1.05
57.833	0.00	0.30	0.398	O	|	|	|	|	1.04
57.917	0.00	0.30	0.396	O	|	|	|	|	1.04
58.000	0.00	0.29	0.394	O	|	|	|	|	1.03
58.083	0.00	0.29	0.392	O	|	|	|	|	1.03
58.167	0.00	0.29	0.389	O	|	|	|	|	1.02
58.250	0.00	0.29	0.387	O	|	|	|	|	1.02
58.333	0.00	0.29	0.385	O	|	|	|	|	1.01
58.417	0.00	0.29	0.383	O	|	|	|	|	1.01
58.500	0.00	0.29	0.381	O	|	|	|	|	1.00
58.583	0.00	0.29	0.379	O	|	|	|	|	1.00
58.667	0.00	0.29	0.377	O	|	|	|	|	0.99
58.750	0.00	0.29	0.375	O	|	|	|	|	0.99
58.833	0.00	0.29	0.374	O	|	|	|	|	0.98
58.917	0.00	0.28	0.372	O	|	|	|	|	0.98
59.000	0.00	0.28	0.370	O	|	|	|	|	0.97
59.083	0.00	0.28	0.368	O	|	|	|	|	0.97
59.167	0.00	0.28	0.366	O	|	|	|	|	0.96
59.250	0.00	0.28	0.364	O	|	|	|	|	0.96
59.333	0.00	0.28	0.362	O	|	|	|	|	0.95
59.417	0.00	0.27	0.360	O	|	|	|	|	0.95
59.500	0.00	0.27	0.358	O	|	|	|	|	0.94
59.583	0.00	0.27	0.356	O	|	|	|	|	0.94
59.667	0.00	0.27	0.354	O	|	|	|	|	0.93
59.750	0.00	0.27	0.353	O	|	|	|	|	0.93
59.833	0.00	0.27	0.351	O	|	|	|	|	0.92
59.917	0.00	0.27	0.349	O	|	|	|	|	0.92
60.000	0.00	0.26	0.347	O	|	|	|	|	0.91
60.083	0.00	0.26	0.345	O	|	|	|	|	0.91
60.167	0.00	0.26	0.343	O	|	|	|	|	0.90
60.250	0.00	0.26	0.342	O	|	|	|	|	0.90
60.333	0.00	0.26	0.340	O	|	|	|	|	0.89
60.417	0.00	0.26	0.338	O	|	|	|	|	0.89
60.500	0.00	0.26	0.336	O	|	|	|	|	0.88
60.583	0.00	0.26	0.334	O	|	|	|	|	0.88
60.667	0.00	0.25	0.333	O	|	|	|	|	0.88
60.750	0.00	0.25	0.331	O	|	|	|	|	0.87
60.833	0.00	0.25	0.329	O	|	|	|	|	0.87
60.917	0.00	0.25	0.328	O	|	|	|	|	0.86
61.000	0.00	0.25	0.326	O	|	|	|	|	0.86
61.083	0.00	0.25	0.324	O	|	|	|	|	0.85
61.167	0.00	0.25	0.322	O	|	|	|	|	0.85
61.250	0.00	0.24	0.321	O	|	|	|	|	0.84
61.333	0.00	0.24	0.319	O	|	|	|	|	0.84
61.417	0.00	0.24	0.317	O	|	|	|	|	0.84
61.500	0.00	0.24	0.316	O	|	|	|	|	0.83

61.583	0.00	0.24	0.314	O	|	|	|	|	0.83
61.667	0.00	0.24	0.312	O	|	|	|	|	0.82
61.750	0.00	0.24	0.311	O	|	|	|	|	0.82
61.833	0.00	0.24	0.309	O	|	|	|	|	0.81
61.917	0.00	0.23	0.308	O	|	|	|	|	0.81
62.000	0.00	0.23	0.306	O	|	|	|	|	0.80
62.083	0.00	0.23	0.304	O	|	|	|	|	0.80
62.167	0.00	0.23	0.303	O	|	|	|	|	0.80
62.250	0.00	0.23	0.301	O	|	|	|	|	0.79
62.333	0.00	0.23	0.300	O	|	|	|	|	0.79
62.417	0.00	0.23	0.298	O	|	|	|	|	0.78
62.500	0.00	0.23	0.296	O	|	|	|	|	0.78
62.583	0.00	0.23	0.295	O	|	|	|	|	0.78
62.667	0.00	0.22	0.293	O	|	|	|	|	0.77
62.750	0.00	0.22	0.292	O	|	|	|	|	0.77
62.833	0.00	0.22	0.290	O	|	|	|	|	0.76
62.917	0.00	0.22	0.289	O	|	|	|	|	0.76
63.000	0.00	0.22	0.287	O	|	|	|	|	0.76
63.083	0.00	0.22	0.286	O	|	|	|	|	0.75
63.167	0.00	0.22	0.284	O	|	|	|	|	0.75
63.250	0.00	0.22	0.283	O	|	|	|	|	0.74
63.333	0.00	0.21	0.281	O	|	|	|	|	0.74
63.417	0.00	0.21	0.280	O	|	|	|	|	0.74
63.500	0.00	0.21	0.278	O	|	|	|	|	0.73
63.583	0.00	0.21	0.277	O	|	|	|	|	0.73
63.667	0.00	0.21	0.275	O	|	|	|	|	0.72
63.750	0.00	0.21	0.274	O	|	|	|	|	0.72
63.833	0.00	0.21	0.272	O	|	|	|	|	0.72
63.917	0.00	0.21	0.271	O	|	|	|	|	0.71
64.000	0.00	0.21	0.270	O	|	|	|	|	0.71
64.083	0.00	0.20	0.268	O	|	|	|	|	0.71
64.167	0.00	0.20	0.267	O	|	|	|	|	0.70
64.250	0.00	0.20	0.265	O	|	|	|	|	0.70
64.333	0.00	0.20	0.264	O	|	|	|	|	0.69
64.417	0.00	0.20	0.263	O	|	|	|	|	0.69
64.500	0.00	0.20	0.261	O	|	|	|	|	0.69
64.583	0.00	0.20	0.260	O	|	|	|	|	0.68
64.667	0.00	0.20	0.259	O	|	|	|	|	0.68
64.750	0.00	0.20	0.257	O	|	|	|	|	0.68
64.833	0.00	0.20	0.256	O	|	|	|	|	0.67
64.917	0.00	0.19	0.254	O	|	|	|	|	0.67
65.000	0.00	0.19	0.253	O	|	|	|	|	0.67
65.083	0.00	0.19	0.252	O	|	|	|	|	0.66
65.167	0.00	0.19	0.251	O	|	|	|	|	0.66
65.250	0.00	0.19	0.249	O	|	|	|	|	0.66
65.333	0.00	0.19	0.248	O	|	|	|	|	0.65
65.417	0.00	0.19	0.247	O	|	|	|	|	0.65
65.500	0.00	0.19	0.245	O	|	|	|	|	0.65
65.583	0.00	0.19	0.244	O	|	|	|	|	0.64
65.667	0.00	0.19	0.243	O	|	|	|	|	0.64
65.750	0.00	0.18	0.241	O	|	|	|	|	0.64
65.833	0.00	0.18	0.240	O	|	|	|	|	0.63
65.917	0.00	0.18	0.239	O	|	|	|	|	0.63
66.000	0.00	0.18	0.238	O	|	|	|	|	0.63
66.083	0.00	0.18	0.236	O	|	|	|	|	0.62
66.167	0.00	0.18	0.235	O	|	|	|	|	0.62
66.250	0.00	0.18	0.234	O	|	|	|	|	0.62
66.333	0.00	0.18	0.233	O	|	|	|	|	0.61
66.417	0.00	0.18	0.232	O	|	|	|	|	0.61
66.500	0.00	0.18	0.230	O	|	|	|	|	0.61
66.583	0.00	0.17	0.229	O	|	|	|	|	0.60
66.667	0.00	0.17	0.228	O	|	|	|	|	0.60
66.750	0.00	0.17	0.227	O	|	|	|	|	0.60
66.833	0.00	0.17	0.226	O	|	|	|	|	0.59
66.917	0.00	0.17	0.224	O	|	|	|	|	0.59
67.000	0.00	0.17	0.223	O	|	|	|	|	0.59
67.083	0.00	0.17	0.222	O	|	|	|	|	0.58

67.167	0.00	0.17	0.221	O	|	|	|	|	0.58
67.250	0.00	0.17	0.220	O	|	|	|	|	0.58
67.333	0.00	0.17	0.219	O	|	|	|	|	0.58
67.417	0.00	0.17	0.217	O	|	|	|	|	0.57
67.500	0.00	0.17	0.216	O	|	|	|	|	0.57
67.583	0.00	0.16	0.215	O	|	|	|	|	0.57
67.667	0.00	0.16	0.214	O	|	|	|	|	0.56
67.750	0.00	0.16	0.213	O	|	|	|	|	0.56
67.833	0.00	0.16	0.212	O	|	|	|	|	0.56
67.917	0.00	0.16	0.211	O	|	|	|	|	0.55
68.000	0.00	0.16	0.210	O	|	|	|	|	0.55
68.083	0.00	0.16	0.208	O	|	|	|	|	0.55
68.167	0.00	0.16	0.207	O	|	|	|	|	0.55
68.250	0.00	0.16	0.206	O	|	|	|	|	0.54
68.333	0.00	0.16	0.205	O	|	|	|	|	0.54
68.417	0.00	0.16	0.204	O	|	|	|	|	0.54
68.500	0.00	0.15	0.203	O	|	|	|	|	0.53
68.583	0.00	0.15	0.202	O	|	|	|	|	0.53
68.667	0.00	0.15	0.201	O	|	|	|	|	0.53
68.750	0.00	0.15	0.200	O	|	|	|	|	0.53
68.833	0.00	0.15	0.199	O	|	|	|	|	0.52
68.917	0.00	0.15	0.198	O	|	|	|	|	0.52
69.000	0.00	0.15	0.197	O	|	|	|	|	0.52
69.083	0.00	0.15	0.196	O	|	|	|	|	0.51
69.167	0.00	0.15	0.195	O	|	|	|	|	0.51
69.250	0.00	0.15	0.194	O	|	|	|	|	0.51
69.333	0.00	0.15	0.193	O	|	|	|	|	0.51
69.417	0.00	0.15	0.192	O	|	|	|	|	0.50
69.500	0.00	0.15	0.191	O	|	|	|	|	0.50
69.583	0.00	0.14	0.190	O	|	|	|	|	0.50
69.667	0.00	0.14	0.189	O	|	|	|	|	0.50
69.750	0.00	0.14	0.188	O	|	|	|	|	0.49
69.833	0.00	0.14	0.187	O	|	|	|	|	0.49
69.917	0.00	0.14	0.186	O	|	|	|	|	0.49
70.000	0.00	0.14	0.185	O	|	|	|	|	0.49
70.083	0.00	0.14	0.184	O	|	|	|	|	0.48
70.167	0.00	0.14	0.183	O	|	|	|	|	0.48
70.250	0.00	0.14	0.182	O	|	|	|	|	0.48
70.333	0.00	0.14	0.181	O	|	|	|	|	0.48
70.417	0.00	0.14	0.180	O	|	|	|	|	0.47
70.500	0.00	0.14	0.179	O	|	|	|	|	0.47
70.583	0.00	0.14	0.178	O	|	|	|	|	0.47
70.667	0.00	0.14	0.177	O	|	|	|	|	0.47
70.750	0.00	0.13	0.176	O	|	|	|	|	0.46
70.833	0.00	0.13	0.175	O	|	|	|	|	0.46
70.917	0.00	0.13	0.174	O	|	|	|	|	0.46
71.000	0.00	0.13	0.173	O	|	|	|	|	0.46
71.083	0.00	0.13	0.172	O	|	|	|	|	0.45
71.167	0.00	0.13	0.172	O	|	|	|	|	0.45
71.250	0.00	0.13	0.171	O	|	|	|	|	0.45
71.333	0.00	0.13	0.170	O	|	|	|	|	0.45
71.417	0.00	0.13	0.169	O	|	|	|	|	0.44
71.500	0.00	0.13	0.168	O	|	|	|	|	0.44
71.583	0.00	0.13	0.167	O	|	|	|	|	0.44
71.667	0.00	0.13	0.166	O	|	|	|	|	0.44
71.750	0.00	0.13	0.165	O	|	|	|	|	0.44
71.833	0.00	0.13	0.165	O	|	|	|	|	0.43
71.917	0.00	0.12	0.164	O	|	|	|	|	0.43
72.000	0.00	0.12	0.163	O	|	|	|	|	0.43
72.083	0.00	0.12	0.162	O	|	|	|	|	0.43
72.167	0.00	0.12	0.161	O	|	|	|	|	0.42
72.250	0.00	0.12	0.160	O	|	|	|	|	0.42
72.333	0.00	0.12	0.159	O	|	|	|	|	0.42
72.417	0.00	0.12	0.159	O	|	|	|	|	0.42
72.500	0.00	0.12	0.158	O	|	|	|	|	0.42
72.583	0.00	0.12	0.157	O	|	|	|	|	0.41
72.667	0.00	0.12	0.156	O	|	|	|	|	0.41

72.750	0.00	0.12	0.155	O	|	|	|	|	0.41
72.833	0.00	0.12	0.154	O	|	|	|	|	0.41
72.917	0.00	0.12	0.154	O	|	|	|	|	0.40
73.000	0.00	0.12	0.153	O	|	|	|	|	0.40
73.083	0.00	0.12	0.152	O	|	|	|	|	0.40
73.167	0.00	0.12	0.151	O	|	|	|	|	0.40
73.250	0.00	0.11	0.150	O	|	|	|	|	0.40
73.333	0.00	0.11	0.150	O	|	|	|	|	0.39
73.417	0.00	0.11	0.149	O	|	|	|	|	0.39
73.500	0.00	0.11	0.148	O	|	|	|	|	0.39
73.583	0.00	0.11	0.147	O	|	|	|	|	0.39
73.667	0.00	0.11	0.147	O	|	|	|	|	0.39
73.750	0.00	0.11	0.146	O	|	|	|	|	0.38
73.833	0.00	0.11	0.145	O	|	|	|	|	0.38
73.917	0.00	0.11	0.144	O	|	|	|	|	0.38
74.000	0.00	0.11	0.144	O	|	|	|	|	0.38
74.083	0.00	0.11	0.143	O	|	|	|	|	0.38
74.167	0.00	0.11	0.142	O	|	|	|	|	0.37
74.250	0.00	0.11	0.141	O	|	|	|	|	0.37
74.333	0.00	0.11	0.141	O	|	|	|	|	0.37
74.417	0.00	0.11	0.140	O	|	|	|	|	0.37
74.500	0.00	0.11	0.139	O	|	|	|	|	0.37
74.583	0.00	0.11	0.138	O	|	|	|	|	0.36
74.667	0.00	0.11	0.138	O	|	|	|	|	0.36
74.750	0.00	0.10	0.137	O	|	|	|	|	0.36
74.833	0.00	0.10	0.136	O	|	|	|	|	0.36
74.917	0.00	0.10	0.135	O	|	|	|	|	0.36
75.000	0.00	0.10	0.135	O	|	|	|	|	0.35
75.083	0.00	0.10	0.134	O	|	|	|	|	0.35
75.167	0.00	0.10	0.133	O	|	|	|	|	0.35
75.250	0.00	0.10	0.133	O	|	|	|	|	0.35
75.333	0.00	0.10	0.132	O	|	|	|	|	0.35
75.417	0.00	0.10	0.131	O	|	|	|	|	0.35
75.500	0.00	0.10	0.131	O	|	|	|	|	0.34
75.583	0.00	0.10	0.130	O	|	|	|	|	0.34
75.667	0.00	0.10	0.129	O	|	|	|	|	0.34
75.750	0.00	0.10	0.129	O	|	|	|	|	0.34
75.833	0.00	0.10	0.128	O	|	|	|	|	0.34
75.917	0.00	0.10	0.127	O	|	|	|	|	0.33
76.000	0.00	0.10	0.126	O	|	|	|	|	0.33
76.083	0.00	0.10	0.126	O	|	|	|	|	0.33
76.167	0.00	0.10	0.125	O	|	|	|	|	0.33
76.250	0.00	0.10	0.125	O	|	|	|	|	0.33
76.333	0.00	0.09	0.124	O	|	|	|	|	0.33
76.417	0.00	0.09	0.123	O	|	|	|	|	0.32
76.500	0.00	0.09	0.123	O	|	|	|	|	0.32
76.583	0.00	0.09	0.122	O	|	|	|	|	0.32
76.667	0.00	0.09	0.121	O	|	|	|	|	0.32
76.750	0.00	0.09	0.121	O	|	|	|	|	0.32
76.833	0.00	0.09	0.120	O	|	|	|	|	0.32
76.917	0.00	0.09	0.119	O	|	|	|	|	0.31
77.000	0.00	0.09	0.119	O	|	|	|	|	0.31
77.083	0.00	0.09	0.118	O	|	|	|	|	0.31
77.167	0.00	0.09	0.118	O	|	|	|	|	0.31
77.250	0.00	0.09	0.117	O	|	|	|	|	0.31
77.333	0.00	0.09	0.116	O	|	|	|	|	0.31
77.417	0.00	0.09	0.116	O	|	|	|	|	0.30
77.500	0.00	0.09	0.115	O	|	|	|	|	0.30
77.583	0.00	0.09	0.114	O	|	|	|	|	0.30
77.667	0.00	0.09	0.114	O	|	|	|	|	0.30
77.750	0.00	0.09	0.113	O	|	|	|	|	0.30
77.833	0.00	0.09	0.113	O	|	|	|	|	0.30
77.917	0.00	0.09	0.112	O	|	|	|	|	0.29
78.000	0.00	0.09	0.112	O	|	|	|	|	0.29
78.083	0.00	0.08	0.111	O	|	|	|	|	0.29
78.167	0.00	0.08	0.110	O	|	|	|	|	0.29
78.250	0.00	0.08	0.110	O	|	|	|	|	0.29

78.333	0.00	0.08	0.109	O	|	|	|	0.29
78.417	0.00	0.08	0.109	O	|	|	|	0.29
78.500	0.00	0.08	0.108	O	|	|	|	0.28
78.583	0.00	0.08	0.107	O	|	|	|	0.28
78.667	0.00	0.08	0.107	O	|	|	|	0.28
78.750	0.00	0.08	0.106	O	|	|	|	0.28
78.833	0.00	0.08	0.106	O	|	|	|	0.28
78.917	0.00	0.08	0.105	O	|	|	|	0.28
79.000	0.00	0.08	0.105	O	|	|	|	0.28
79.083	0.00	0.08	0.104	O	|	|	|	0.27
79.167	0.00	0.08	0.104	O	|	|	|	0.27
79.250	0.00	0.08	0.103	O	|	|	|	0.27
79.333	0.00	0.08	0.103	O	|	|	|	0.27
79.417	0.00	0.08	0.102	O	|	|	|	0.27
79.500	0.00	0.08	0.101	O	|	|	|	0.27
79.583	0.00	0.08	0.101	O	|	|	|	0.27
79.667	0.00	0.08	0.100	O	|	|	|	0.26
79.750	0.00	0.08	0.100	O	|	|	|	0.26
79.833	0.00	0.08	0.099	O	|	|	|	0.26
79.917	0.00	0.08	0.099	O	|	|	|	0.26
80.000	0.00	0.08	0.098	O	|	|	|	0.26
80.083	0.00	0.07	0.098	O	|	|	|	0.26
80.167	0.00	0.07	0.097	O	|	|	|	0.26
80.250	0.00	0.07	0.097	O	|	|	|	0.25
80.333	0.00	0.07	0.096	O	|	|	|	0.25
80.417	0.00	0.07	0.096	O	|	|	|	0.25
80.500	0.00	0.07	0.095	O	|	|	|	0.25
80.583	0.00	0.07	0.095	O	|	|	|	0.25
80.667	0.00	0.07	0.094	O	|	|	|	0.25
80.750	0.00	0.07	0.094	O	|	|	|	0.25
80.833	0.00	0.07	0.093	O	|	|	|	0.25
80.917	0.00	0.07	0.093	O	|	|	|	0.24
81.000	0.00	0.07	0.092	O	|	|	|	0.24
81.083	0.00	0.07	0.092	O	|	|	|	0.24
81.167	0.00	0.07	0.091	O	|	|	|	0.24
81.250	0.00	0.07	0.091	O	|	|	|	0.24
81.333	0.00	0.07	0.090	O	|	|	|	0.24
81.417	0.00	0.07	0.090	O	|	|	|	0.24
81.500	0.00	0.07	0.089	O	|	|	|	0.24
81.583	0.00	0.07	0.089	O	|	|	|	0.23
81.667	0.00	0.07	0.088	O	|	|	|	0.23
81.750	0.00	0.07	0.088	O	|	|	|	0.23
81.833	0.00	0.07	0.088	O	|	|	|	0.23
81.917	0.00	0.07	0.087	O	|	|	|	0.23
82.000	0.00	0.07	0.087	O	|	|	|	0.23
82.083	0.00	0.07	0.086	O	|	|	|	0.23
82.167	0.00	0.07	0.086	O	|	|	|	0.23
82.250	0.00	0.07	0.085	O	|	|	|	0.22
82.333	0.00	0.06	0.085	O	|	|	|	0.22
82.417	0.00	0.06	0.084	O	|	|	|	0.22
82.500	0.00	0.06	0.084	O	|	|	|	0.22
82.583	0.00	0.06	0.084	O	|	|	|	0.22
82.667	0.00	0.06	0.083	O	|	|	|	0.22
82.750	0.00	0.06	0.083	O	|	|	|	0.22
82.833	0.00	0.06	0.082	O	|	|	|	0.22
82.917	0.00	0.06	0.082	O	|	|	|	0.22
83.000	0.00	0.06	0.081	O	|	|	|	0.21
83.083	0.00	0.06	0.081	O	|	|	|	0.21
83.167	0.00	0.06	0.080	O	|	|	|	0.21
83.250	0.00	0.06	0.080	O	|	|	|	0.21
83.333	0.00	0.06	0.080	O	|	|	|	0.21
83.417	0.00	0.06	0.079	O	|	|	|	0.21
83.500	0.00	0.06	0.079	O	|	|	|	0.21
83.583	0.00	0.06	0.078	O	|	|	|	0.21
83.667	0.00	0.06	0.078	O	|	|	|	0.21
83.750	0.00	0.06	0.078	O	|	|	|	0.20
83.833	0.00	0.06	0.077	O	|	|	|	0.20

83.917	0.00	0.06	0.077	O	|	|	|	0.20
84.000	0.00	0.06	0.076	O	|	|	|	0.20
84.083	0.00	0.06	0.076	O	|	|	|	0.20
84.167	0.00	0.06	0.076	O	|	|	|	0.20
84.250	0.00	0.06	0.075	O	|	|	|	0.20
84.333	0.00	0.06	0.075	O	|	|	|	0.20
84.417	0.00	0.06	0.074	O	|	|	|	0.20
84.500	0.00	0.06	0.074	O	|	|	|	0.19
84.583	0.00	0.06	0.074	O	|	|	|	0.19
84.667	0.00	0.06	0.073	O	|	|	|	0.19
84.750	0.00	0.06	0.073	O	|	|	|	0.19
84.833	0.00	0.06	0.072	O	|	|	|	0.19
84.917	0.00	0.06	0.072	O	|	|	|	0.19
85.000	0.00	0.05	0.072	O	|	|	|	0.19
85.083	0.00	0.05	0.071	O	|	|	|	0.19
85.167	0.00	0.05	0.071	O	|	|	|	0.19
85.250	0.00	0.05	0.071	O	|	|	|	0.19
85.333	0.00	0.05	0.070	O	|	|	|	0.18
85.417	0.00	0.05	0.070	O	|	|	|	0.18
85.500	0.00	0.05	0.069	O	|	|	|	0.18
85.583	0.00	0.05	0.069	O	|	|	|	0.18
85.667	0.00	0.05	0.069	O	|	|	|	0.18
85.750	0.00	0.05	0.068	O	|	|	|	0.18
85.833	0.00	0.05	0.068	O	|	|	|	0.18
85.917	0.00	0.05	0.068	O	|	|	|	0.18
86.000	0.00	0.05	0.067	O	|	|	|	0.18
86.083	0.00	0.05	0.067	O	|	|	|	0.18
86.167	0.00	0.05	0.067	O	|	|	|	0.18
86.250	0.00	0.05	0.066	O	|	|	|	0.17
86.333	0.00	0.05	0.066	O	|	|	|	0.17
86.417	0.00	0.05	0.066	O	|	|	|	0.17
86.500	0.00	0.05	0.065	O	|	|	|	0.17
86.583	0.00	0.05	0.065	O	|	|	|	0.17
86.667	0.00	0.05	0.065	O	|	|	|	0.17
86.750	0.00	0.05	0.064	O	|	|	|	0.17
86.833	0.00	0.05	0.064	O	|	|	|	0.17
86.917	0.00	0.05	0.064	O	|	|	|	0.17
87.000	0.00	0.05	0.063	O	|	|	|	0.17
87.083	0.00	0.05	0.063	O	|	|	|	0.17
87.167	0.00	0.05	0.063	O	|	|	|	0.16
87.250	0.00	0.05	0.062	O	|	|	|	0.16
87.333	0.00	0.05	0.062	O	|	|	|	0.16
87.417	0.00	0.05	0.062	O	|	|	|	0.16
87.500	0.00	0.05	0.061	O	|	|	|	0.16
87.583	0.00	0.05	0.061	O	|	|	|	0.16
87.667	0.00	0.05	0.061	O	|	|	|	0.16
87.750	0.00	0.05	0.060	O	|	|	|	0.16
87.833	0.00	0.05	0.060	O	|	|	|	0.16
87.917	0.00	0.05	0.060	O	|	|	|	0.16
88.000	0.00	0.05	0.059	O	|	|	|	0.16
88.083	0.00	0.05	0.059	O	|	|	|	0.16
88.167	0.00	0.04	0.059	O	|	|	|	0.15
88.250	0.00	0.04	0.058	O	|	|	|	0.15
88.333	0.00	0.04	0.058	O	|	|	|	0.15
88.417	0.00	0.04	0.058	O	|	|	|	0.15
88.500	0.00	0.04	0.058	O	|	|	|	0.15
88.583	0.00	0.04	0.057	O	|	|	|	0.15
88.667	0.00	0.04	0.057	O	|	|	|	0.15
88.750	0.00	0.04	0.057	O	|	|	|	0.15
88.833	0.00	0.04	0.056	O	|	|	|	0.15
88.917	0.00	0.04	0.056	O	|	|	|	0.15
89.000	0.00	0.04	0.056	O	|	|	|	0.15
89.083	0.00	0.04	0.055	O	|	|	|	0.15
89.167	0.00	0.04	0.055	O	|	|	|	0.15
89.250	0.00	0.04	0.055	O	|	|	|	0.14
89.333	0.00	0.04	0.055	O	|	|	|	0.14
89.417	0.00	0.04	0.054	O	|	|	|	0.14

89.500	0.00	0.04	0.054	O	|	|	|	0.14
89.583	0.00	0.04	0.054	O	|	|	|	0.14
89.667	0.00	0.04	0.053	O	|	|	|	0.14
89.750	0.00	0.04	0.053	O	|	|	|	0.14
89.833	0.00	0.04	0.053	O	|	|	|	0.14
89.917	0.00	0.04	0.053	O	|	|	|	0.14
90.000	0.00	0.04	0.052	O	|	|	|	0.14
90.083	0.00	0.04	0.052	O	|	|	|	0.14
90.167	0.00	0.04	0.052	O	|	|	|	0.14
90.250	0.00	0.04	0.051	O	|	|	|	0.14
90.333	0.00	0.04	0.051	O	|	|	|	0.13
90.417	0.00	0.04	0.051	O	|	|	|	0.13
90.500	0.00	0.04	0.051	O	|	|	|	0.13
90.583	0.00	0.04	0.050	O	|	|	|	0.13
90.667	0.00	0.04	0.050	O	|	|	|	0.13
90.750	0.00	0.04	0.050	O	|	|	|	0.13
90.833	0.00	0.04	0.050	O	|	|	|	0.13
90.917	0.00	0.04	0.049	O	|	|	|	0.13
91.000	0.00	0.04	0.049	O	|	|	|	0.13
91.083	0.00	0.04	0.049	O	|	|	|	0.13
91.167	0.00	0.04	0.049	O	|	|	|	0.13
91.250	0.00	0.04	0.048	O	|	|	|	0.13
91.333	0.00	0.04	0.048	O	|	|	|	0.13
91.417	0.00	0.04	0.048	O	|	|	|	0.13
91.500	0.00	0.04	0.048	O	|	|	|	0.13
91.583	0.00	0.04	0.047	O	|	|	|	0.12
91.667	0.00	0.04	0.047	O	|	|	|	0.12
91.750	0.00	0.04	0.047	O	|	|	|	0.12
91.833	0.00	0.04	0.047	O	|	|	|	0.12
91.917	0.00	0.04	0.046	O	|	|	|	0.12
92.000	0.00	0.04	0.046	O	|	|	|	0.12
92.083	0.00	0.04	0.046	O	|	|	|	0.12
92.167	0.00	0.03	0.046	O	|	|	|	0.12
92.250	0.00	0.03	0.045	O	|	|	|	0.12
92.333	0.00	0.03	0.045	O	|	|	|	0.12
92.417	0.00	0.03	0.045	O	|	|	|	0.12
92.500	0.00	0.03	0.045	O	|	|	|	0.12
92.583	0.00	0.03	0.044	O	|	|	|	0.12
92.667	0.00	0.03	0.044	O	|	|	|	0.12
92.750	0.00	0.03	0.044	O	|	|	|	0.12
92.833	0.00	0.03	0.044	O	|	|	|	0.12
92.917	0.00	0.03	0.044	O	|	|	|	0.11
93.000	0.00	0.03	0.043	O	|	|	|	0.11
93.083	0.00	0.03	0.043	O	|	|	|	0.11
93.167	0.00	0.03	0.043	O	|	|	|	0.11
93.250	0.00	0.03	0.043	O	|	|	|	0.11
93.333	0.00	0.03	0.042	O	|	|	|	0.11
93.417	0.00	0.03	0.042	O	|	|	|	0.11
93.500	0.00	0.03	0.042	O	|	|	|	0.11
93.583	0.00	0.03	0.042	O	|	|	|	0.11
93.667	0.00	0.03	0.042	O	|	|	|	0.11
93.750	0.00	0.03	0.041	O	|	|	|	0.11
93.833	0.00	0.03	0.041	O	|	|	|	0.11
93.917	0.00	0.03	0.041	O	|	|	|	0.11
94.000	0.00	0.03	0.041	O	|	|	|	0.11
94.083	0.00	0.03	0.040	O	|	|	|	0.11
94.167	0.00	0.03	0.040	O	|	|	|	0.11
94.250	0.00	0.03	0.040	O	|	|	|	0.11
94.333	0.00	0.03	0.040	O	|	|	|	0.10
94.417	0.00	0.03	0.040	O	|	|	|	0.10
94.500	0.00	0.03	0.039	O	|	|	|	0.10
94.583	0.00	0.03	0.039	O	|	|	|	0.10
94.667	0.00	0.03	0.039	O	|	|	|	0.10
94.750	0.00	0.03	0.039	O	|	|	|	0.10
94.833	0.00	0.03	0.039	O	|	|	|	0.10
94.917	0.00	0.03	0.038	O	|	|	|	0.10
95.000	0.00	0.03	0.038	O	|	|	|	0.10

95.083	0.00	0.03	0.038	O				0.10
95.167	0.00	0.03	0.038	O				0.10
95.250	0.00	0.03	0.038	O				0.10
95.333	0.00	0.03	0.037	O				0.10
95.417	0.00	0.03	0.037	O				0.10
95.500	0.00	0.03	0.037	O				0.10
95.583	0.00	0.03	0.037	O				0.10
95.667	0.00	0.03	0.037	O				0.10
95.750	0.00	0.03	0.036	O				0.10
95.833	0.00	0.03	0.036	O				0.10
95.917	0.00	0.03	0.036	O				0.09
96.000	0.00	0.03	0.036	O				0.09
96.083	0.00	0.03	0.036	O				0.09
96.167	0.00	0.03	0.035	O				0.09
96.250	0.00	0.03	0.035	O				0.09
96.333	0.00	0.03	0.035	O				0.09
96.417	0.00	0.03	0.035	O				0.09
96.500	0.00	0.03	0.035	O				0.09
96.583	0.00	0.03	0.035	O				0.09
96.667	0.00	0.03	0.034	O				0.09
96.750	0.00	0.03	0.034	O				0.09
96.833	0.00	0.03	0.034	O				0.09
96.917	0.00	0.03	0.034	O				0.09
97.000	0.00	0.03	0.034	O				0.09
97.083	0.00	0.03	0.033	O				0.09
97.167	0.00	0.03	0.033	O				0.09
97.250	0.00	0.03	0.033	O				0.09
97.333	0.00	0.03	0.033	O				0.09
97.417	0.00	0.03	0.033	O				0.09
97.500	0.00	0.02	0.033	O				0.09
97.583	0.00	0.02	0.032	O				0.09
97.667	0.00	0.02	0.032	O				0.08
97.750	0.00	0.02	0.032	O				0.08
97.833	0.00	0.02	0.032	O				0.08
97.917	0.00	0.02	0.032	O				0.08
98.000	0.00	0.02	0.032	O				0.08
98.083	0.00	0.02	0.031	O				0.08
98.167	0.00	0.02	0.031	O				0.08
98.250	0.00	0.02	0.031	O				0.08
98.333	0.00	0.02	0.031	O				0.08
98.417	0.00	0.02	0.031	O				0.08
98.500	0.00	0.02	0.031	O				0.08
98.583	0.00	0.02	0.030	O				0.08
98.667	0.00	0.02	0.030	O				0.08
98.750	0.00	0.02	0.030	O				0.08
98.833	0.00	0.02	0.030	O				0.08
98.917	0.00	0.02	0.030	O				0.08
99.000	0.00	0.02	0.030	O				0.08
99.083	0.00	0.02	0.029	O				0.08
99.167	0.00	0.02	0.029	O				0.08
99.250	0.00	0.02	0.029	O				0.08
99.333	0.00	0.02	0.029	O				0.08
99.417	0.00	0.02	0.029	O				0.08
99.500	0.00	0.02	0.029	O				0.08
99.583	0.00	0.02	0.029	O				0.08
99.667	0.00	0.02	0.028	O				0.07
99.750	0.00	0.02	0.028	O				0.07
99.833	0.00	0.02	0.028	O				0.07
99.917	0.00	0.02	0.028	O				0.07
100.000	0.00	0.02	0.028	O				0.07
100.083	0.00	0.02	0.028	O				0.07
100.167	0.00	0.02	0.028	O				0.07
100.250	0.00	0.02	0.027	O				0.07
100.333	0.00	0.02	0.027	O				0.07
100.417	0.00	0.02	0.027	O				0.07
100.500	0.00	0.02	0.027	O				0.07
100.583	0.00	0.02	0.027	O				0.07

100.667	0.00	0.02	0.027	O	|	|	|	|	0.07
100.750	0.00	0.02	0.027	O	|	|	|	|	0.07
100.833	0.00	0.02	0.026	O	|	|	|	|	0.07
100.917	0.00	0.02	0.026	O	|	|	|	|	0.07
101.000	0.00	0.02	0.026	O	|	|	|	|	0.07
101.083	0.00	0.02	0.026	O	|	|	|	|	0.07
101.167	0.00	0.02	0.026	O	|	|	|	|	0.07
101.250	0.00	0.02	0.026	O	|	|	|	|	0.07
101.333	0.00	0.02	0.026	O	|	|	|	|	0.07
101.417	0.00	0.02	0.025	O	|	|	|	|	0.07
101.500	0.00	0.02	0.025	O	|	|	|	|	0.07
101.583	0.00	0.02	0.025	O	|	|	|	|	0.07
101.667	0.00	0.02	0.025	O	|	|	|	|	0.07
101.750	0.00	0.02	0.025	O	|	|	|	|	0.07
101.833	0.00	0.02	0.025	O	|	|	|	|	0.07
101.917	0.00	0.02	0.025	O	|	|	|	|	0.06
102.000	0.00	0.02	0.025	O	|	|	|	|	0.06
102.083	0.00	0.02	0.024	O	|	|	|	|	0.06
102.167	0.00	0.02	0.024	O	|	|	|	|	0.06
102.250	0.00	0.02	0.024	O	|	|	|	|	0.06
102.333	0.00	0.02	0.024	O	|	|	|	|	0.06
102.417	0.00	0.02	0.024	O	|	|	|	|	0.06
102.500	0.00	0.02	0.024	O	|	|	|	|	0.06
102.583	0.00	0.02	0.024	O	|	|	|	|	0.06
102.667	0.00	0.02	0.024	O	|	|	|	|	0.06
102.750	0.00	0.02	0.023	O	|	|	|	|	0.06
102.833	0.00	0.02	0.023	O	|	|	|	|	0.06
102.917	0.00	0.02	0.023	O	|	|	|	|	0.06
103.000	0.00	0.02	0.023	O	|	|	|	|	0.06
103.083	0.00	0.02	0.023	O	|	|	|	|	0.06
103.167	0.00	0.02	0.023	O	|	|	|	|	0.06
103.250	0.00	0.02	0.023	O	|	|	|	|	0.06
103.333	0.00	0.02	0.023	O	|	|	|	|	0.06
103.417	0.00	0.02	0.022	O	|	|	|	|	0.06
103.500	0.00	0.02	0.022	O	|	|	|	|	0.06
103.583	0.00	0.02	0.022	O	|	|	|	|	0.06
103.667	0.00	0.02	0.022	O	|	|	|	|	0.06
103.750	0.00	0.02	0.022	O	|	|	|	|	0.06
103.833	0.00	0.02	0.022	O	|	|	|	|	0.06
103.917	0.00	0.02	0.022	O	|	|	|	|	0.06
104.000	0.00	0.02	0.022	O	|	|	|	|	0.06
104.083	0.00	0.02	0.022	O	|	|	|	|	0.06
104.167	0.00	0.02	0.021	O	|	|	|	|	0.06
104.250	0.00	0.02	0.021	O	|	|	|	|	0.06
104.333	0.00	0.02	0.021	O	|	|	|	|	0.06
104.417	0.00	0.02	0.021	O	|	|	|	|	0.06
104.500	0.00	0.02	0.021	O	|	|	|	|	0.06
104.583	0.00	0.02	0.021	O	|	|	|	|	0.05
104.667	0.00	0.02	0.021	O	|	|	|	|	0.05
104.750	0.00	0.02	0.021	O	|	|	|	|	0.05
104.833	0.00	0.02	0.021	O	|	|	|	|	0.05
104.917	0.00	0.02	0.020	O	|	|	|	|	0.05
105.000	0.00	0.02	0.020	O	|	|	|	|	0.05
105.083	0.00	0.02	0.020	O	|	|	|	|	0.05
105.167	0.00	0.02	0.020	O	|	|	|	|	0.05
105.250	0.00	0.02	0.020	O	|	|	|	|	0.05
105.333	0.00	0.02	0.020	O	|	|	|	|	0.05
105.417	0.00	0.02	0.020	O	|	|	|	|	0.05
105.500	0.00	0.02	0.020	O	|	|	|	|	0.05
105.583	0.00	0.01	0.020	O	|	|	|	|	0.05
105.667	0.00	0.01	0.019	O	|	|	|	|	0.05
105.750	0.00	0.01	0.019	O	|	|	|	|	0.05
105.833	0.00	0.01	0.019	O	|	|	|	|	0.05
105.917	0.00	0.01	0.019	O	|	|	|	|	0.05
106.000	0.00	0.01	0.019	O	|	|	|	|	0.05
106.083	0.00	0.01	0.019	O	|	|	|	|	0.05
106.167	0.00	0.01	0.019	O	|	|	|	|	0.05

106.250	0.00	0.01	0.019	O	|	|	|	|	0.05
106.333	0.00	0.01	0.019	O	|	|	|	|	0.05
106.417	0.00	0.01	0.019	O	|	|	|	|	0.05
106.500	0.00	0.01	0.018	O	|	|	|	|	0.05
106.583	0.00	0.01	0.018	O	|	|	|	|	0.05
106.667	0.00	0.01	0.018	O	|	|	|	|	0.05
106.750	0.00	0.01	0.018	O	|	|	|	|	0.05
106.833	0.00	0.01	0.018	O	|	|	|	|	0.05
106.917	0.00	0.01	0.018	O	|	|	|	|	0.05
107.000	0.00	0.01	0.018	O	|	|	|	|	0.05
107.083	0.00	0.01	0.018	O	|	|	|	|	0.05
107.167	0.00	0.01	0.018	O	|	|	|	|	0.05
107.250	0.00	0.01	0.018	O	|	|	|	|	0.05
107.333	0.00	0.01	0.018	O	|	|	|	|	0.05
107.417	0.00	0.01	0.017	O	|	|	|	|	0.05
107.500	0.00	0.01	0.017	O	|	|	|	|	0.05
107.583	0.00	0.01	0.017	O	|	|	|	|	0.05
107.667	0.00	0.01	0.017	O	|	|	|	|	0.05
107.750	0.00	0.01	0.017	O	|	|	|	|	0.04
107.833	0.00	0.01	0.017	O	|	|	|	|	0.04
107.917	0.00	0.01	0.017	O	|	|	|	|	0.04
108.000	0.00	0.01	0.017	O	|	|	|	|	0.04
108.083	0.00	0.01	0.017	O	|	|	|	|	0.04
108.167	0.00	0.01	0.017	O	|	|	|	|	0.04
108.250	0.00	0.01	0.017	O	|	|	|	|	0.04
108.333	0.00	0.01	0.016	O	|	|	|	|	0.04
108.417	0.00	0.01	0.016	O	|	|	|	|	0.04
108.500	0.00	0.01	0.016	O	|	|	|	|	0.04
108.583	0.00	0.01	0.016	O	|	|	|	|	0.04
108.667	0.00	0.01	0.016	O	|	|	|	|	0.04
108.750	0.00	0.01	0.016	O	|	|	|	|	0.04
108.833	0.00	0.01	0.016	O	|	|	|	|	0.04
108.917	0.00	0.01	0.016	O	|	|	|	|	0.04
109.000	0.00	0.01	0.016	O	|	|	|	|	0.04
109.083	0.00	0.01	0.016	O	|	|	|	|	0.04
109.167	0.00	0.01	0.016	O	|	|	|	|	0.04
109.250	0.00	0.01	0.016	O	|	|	|	|	0.04
109.333	0.00	0.01	0.015	O	|	|	|	|	0.04
109.417	0.00	0.01	0.015	O	|	|	|	|	0.04
109.500	0.00	0.01	0.015	O	|	|	|	|	0.04
109.583	0.00	0.01	0.015	O	|	|	|	|	0.04
109.667	0.00	0.01	0.015	O	|	|	|	|	0.04
109.750	0.00	0.01	0.015	O	|	|	|	|	0.04
109.833	0.00	0.01	0.015	O	|	|	|	|	0.04
109.917	0.00	0.01	0.015	O	|	|	|	|	0.04
110.000	0.00	0.01	0.015	O	|	|	|	|	0.04
110.083	0.00	0.01	0.015	O	|	|	|	|	0.04
110.167	0.00	0.01	0.015	O	|	|	|	|	0.04
110.250	0.00	0.01	0.015	O	|	|	|	|	0.04
110.333	0.00	0.01	0.015	O	|	|	|	|	0.04
110.417	0.00	0.01	0.014	O	|	|	|	|	0.04
110.500	0.00	0.01	0.014	O	|	|	|	|	0.04
110.583	0.00	0.01	0.014	O	|	|	|	|	0.04
110.667	0.00	0.01	0.014	O	|	|	|	|	0.04
110.750	0.00	0.01	0.014	O	|	|	|	|	0.04
110.833	0.00	0.01	0.014	O	|	|	|	|	0.04
110.917	0.00	0.01	0.014	O	|	|	|	|	0.04
111.000	0.00	0.01	0.014	O	|	|	|	|	0.04
111.083	0.00	0.01	0.014	O	|	|	|	|	0.04
111.167	0.00	0.01	0.014	O	|	|	|	|	0.04
111.250	0.00	0.01	0.014	O	|	|	|	|	0.04
111.333	0.00	0.01	0.014	O	|	|	|	|	0.04
111.417	0.00	0.01	0.014	O	|	|	|	|	0.04
111.500	0.00	0.01	0.013	O	|	|	|	|	0.04
111.583	0.00	0.01	0.013	O	|	|	|	|	0.04
111.667	0.00	0.01	0.013	O	|	|	|	|	0.04
111.750	0.00	0.01	0.013	O	|	|	|	|	0.03

111.833	0.00	0.01	0.013	O	|	|	|	0.03
111.917	0.00	0.01	0.013	O	|	|	|	0.03
112.000	0.00	0.01	0.013	O	|	|	|	0.03
112.083	0.00	0.01	0.013	O	|	|	|	0.03
112.167	0.00	0.01	0.013	O	|	|	|	0.03
112.250	0.00	0.01	0.013	O	|	|	|	0.03
112.333	0.00	0.01	0.013	O	|	|	|	0.03
112.417	0.00	0.01	0.013	O	|	|	|	0.03
112.500	0.00	0.01	0.013	O	|	|	|	0.03
112.583	0.00	0.01	0.013	O	|	|	|	0.03
112.667	0.00	0.01	0.013	O	|	|	|	0.03
112.750	0.00	0.01	0.012	O	|	|	|	0.03
112.833	0.00	0.01	0.012	O	|	|	|	0.03
112.917	0.00	0.01	0.012	O	|	|	|	0.03
113.000	0.00	0.01	0.012	O	|	|	|	0.03
113.083	0.00	0.01	0.012	O	|	|	|	0.03
113.167	0.00	0.01	0.012	O	|	|	|	0.03
113.250	0.00	0.01	0.012	O	|	|	|	0.03
113.333	0.00	0.01	0.012	O	|	|	|	0.03
113.417	0.00	0.01	0.012	O	|	|	|	0.03
113.500	0.00	0.01	0.012	O	|	|	|	0.03
113.583	0.00	0.01	0.012	O	|	|	|	0.03
113.667	0.00	0.01	0.012	O	|	|	|	0.03
113.750	0.00	0.01	0.012	O	|	|	|	0.03
113.833	0.00	0.01	0.012	O	|	|	|	0.03
113.917	0.00	0.01	0.012	O	|	|	|	0.03
114.000	0.00	0.01	0.012	O	|	|	|	0.03
114.083	0.00	0.01	0.011	O	|	|	|	0.03
114.167	0.00	0.01	0.011	O	|	|	|	0.03
114.250	0.00	0.01	0.011	O	|	|	|	0.03
114.333	0.00	0.01	0.011	O	|	|	|	0.03
114.417	0.00	0.01	0.011	O	|	|	|	0.03
114.500	0.00	0.01	0.011	O	|	|	|	0.03
114.583	0.00	0.01	0.011	O	|	|	|	0.03
114.667	0.00	0.01	0.011	O	|	|	|	0.03
114.750	0.00	0.01	0.011	O	|	|	|	0.03
114.833	0.00	0.01	0.011	O	|	|	|	0.03
114.917	0.00	0.01	0.011	O	|	|	|	0.03
115.000	0.00	0.01	0.011	O	|	|	|	0.03
115.083	0.00	0.01	0.011	O	|	|	|	0.03
115.167	0.00	0.01	0.011	O	|	|	|	0.03
115.250	0.00	0.01	0.011	O	|	|	|	0.03
115.333	0.00	0.01	0.011	O	|	|	|	0.03
115.417	0.00	0.01	0.011	O	|	|	|	0.03
115.500	0.00	0.01	0.010	O	|	|	|	0.03
115.583	0.00	0.01	0.010	O	|	|	|	0.03
115.667	0.00	0.01	0.010	O	|	|	|	0.03
115.750	0.00	0.01	0.010	O	|	|	|	0.03
115.833	0.00	0.01	0.010	O	|	|	|	0.03
115.917	0.00	0.01	0.010	O	|	|	|	0.03
116.000	0.00	0.01	0.010	O	|	|	|	0.03
116.083	0.00	0.01	0.010	O	|	|	|	0.03
116.167	0.00	0.01	0.010	O	|	|	|	0.03
116.250	0.00	0.01	0.010	O	|	|	|	0.03
116.333	0.00	0.01	0.010	O	|	|	|	0.03
116.417	0.00	0.01	0.010	O	|	|	|	0.03
116.500	0.00	0.01	0.010	O	|	|	|	0.03
116.583	0.00	0.01	0.010	O	|	|	|	0.03
116.667	0.00	0.01	0.010	O	|	|	|	0.03
116.750	0.00	0.01	0.010	O	|	|	|	0.03
116.833	0.00	0.01	0.010	O	|	|	|	0.03
116.917	0.00	0.01	0.010	O	|	|	|	0.03
117.000	0.00	0.01	0.010	O	|	|	|	0.03
117.083	0.00	0.01	0.009	O	|	|	|	0.02
117.167	0.00	0.01	0.009	O	|	|	|	0.02
117.250	0.00	0.01	0.009	O	|	|	|	0.02
117.333	0.00	0.01	0.009	O	|	|	|	0.02

117.417	0.00	0.01	0.009	O	|	|	|	0.02
117.500	0.00	0.01	0.009	O	|	|	|	0.02
117.583	0.00	0.01	0.009	O	|	|	|	0.02
117.667	0.00	0.01	0.009	O	|	|	|	0.02
117.750	0.00	0.01	0.009	O	|	|	|	0.02
117.833	0.00	0.01	0.009	O	|	|	|	0.02
117.917	0.00	0.01	0.009	O	|	|	|	0.02
118.000	0.00	0.01	0.009	O	|	|	|	0.02
118.083	0.00	0.01	0.009	O	|	|	|	0.02
118.167	0.00	0.01	0.009	O	|	|	|	0.02
118.250	0.00	0.01	0.009	O	|	|	|	0.02
118.333	0.00	0.01	0.009	O	|	|	|	0.02
118.417	0.00	0.01	0.009	O	|	|	|	0.02
118.500	0.00	0.01	0.009	O	|	|	|	0.02
118.583	0.00	0.01	0.009	O	|	|	|	0.02
118.667	0.00	0.01	0.009	O	|	|	|	0.02
118.750	0.00	0.01	0.009	O	|	|	|	0.02
118.833	0.00	0.01	0.008	O	|	|	|	0.02
118.917	0.00	0.01	0.008	O	|	|	|	0.02
119.000	0.00	0.01	0.008	O	|	|	|	0.02
119.083	0.00	0.01	0.008	O	|	|	|	0.02
119.167	0.00	0.01	0.008	O	|	|	|	0.02
119.250	0.00	0.01	0.008	O	|	|	|	0.02
119.333	0.00	0.01	0.008	O	|	|	|	0.02
119.417	0.00	0.01	0.008	O	|	|	|	0.02
119.500	0.00	0.01	0.008	O	|	|	|	0.02
119.583	0.00	0.01	0.008	O	|	|	|	0.02
119.667	0.00	0.01	0.008	O	|	|	|	0.02
119.750	0.00	0.01	0.008	O	|	|	|	0.02
119.833	0.00	0.01	0.008	O	|	|	|	0.02
119.917	0.00	0.01	0.008	O	|	|	|	0.02
120.000	0.00	0.01	0.008	O	|	|	|	0.02
120.083	0.00	0.01	0.008	O	|	|	|	0.02
120.167	0.00	0.01	0.008	O	|	|	|	0.02
120.250	0.00	0.01	0.008	O	|	|	|	0.02
120.333	0.00	0.01	0.008	O	|	|	|	0.02
120.417	0.00	0.01	0.008	O	|	|	|	0.02
120.500	0.00	0.01	0.008	O	|	|	|	0.02
120.583	0.00	0.01	0.008	O	|	|	|	0.02
120.667	0.00	0.01	0.008	O	|	|	|	0.02
120.750	0.00	0.01	0.008	O	|	|	|	0.02
120.833	0.00	0.01	0.007	O	|	|	|	0.02
120.917	0.00	0.01	0.007	O	|	|	|	0.02
121.000	0.00	0.01	0.007	O	|	|	|	0.02
121.083	0.00	0.01	0.007	O	|	|	|	0.02
121.167	0.00	0.01	0.007	O	|	|	|	0.02
121.250	0.00	0.01	0.007	O	|	|	|	0.02
121.333	0.00	0.01	0.007	O	|	|	|	0.02
121.417	0.00	0.01	0.007	O	|	|	|	0.02
121.500	0.00	0.01	0.007	O	|	|	|	0.02
121.583	0.00	0.01	0.007	O	|	|	|	0.02
121.667	0.00	0.01	0.007	O	|	|	|	0.02
121.750	0.00	0.01	0.007	O	|	|	|	0.02
121.833	0.00	0.01	0.007	O	|	|	|	0.02
121.917	0.00	0.01	0.007	O	|	|	|	0.02
122.000	0.00	0.01	0.007	O	|	|	|	0.02
122.083	0.00	0.01	0.007	O	|	|	|	0.02
122.167	0.00	0.01	0.007	O	|	|	|	0.02
122.250	0.00	0.01	0.007	O	|	|	|	0.02
122.333	0.00	0.01	0.007	O	|	|	|	0.02
122.417	0.00	0.01	0.007	O	|	|	|	0.02
122.500	0.00	0.01	0.007	O	|	|	|	0.02
122.583	0.00	0.01	0.007	O	|	|	|	0.02
122.667	0.00	0.01	0.007	O	|	|	|	0.02
122.750	0.00	0.01	0.007	O	|	|	|	0.02
122.833	0.00	0.01	0.007	O	|	|	|	0.02
122.917	0.00	0.01	0.007	O	|	|	|	0.02

123.000	0.00	0.00	0.007	O	|	|	|	|	0.02
123.083	0.00	0.00	0.006	O	|	|	|	|	0.02
123.167	0.00	0.00	0.006	O	|	|	|	|	0.02
123.250	0.00	0.00	0.006	O	|	|	|	|	0.02
123.333	0.00	0.00	0.006	O	|	|	|	|	0.02
123.417	0.00	0.00	0.006	O	|	|	|	|	0.02
123.500	0.00	0.00	0.006	O	|	|	|	|	0.02
123.583	0.00	0.00	0.006	O	|	|	|	|	0.02
123.667	0.00	0.00	0.006	O	|	|	|	|	0.02
123.750	0.00	0.00	0.006	O	|	|	|	|	0.02
123.833	0.00	0.00	0.006	O	|	|	|	|	0.02
123.917	0.00	0.00	0.006	O	|	|	|	|	0.02
124.000	0.00	0.00	0.006	O	|	|	|	|	0.02
124.083	0.00	0.00	0.006	O	|	|	|	|	0.02
124.167	0.00	0.00	0.006	O	|	|	|	|	0.02
124.250	0.00	0.00	0.006	O	|	|	|	|	0.02
124.333	0.00	0.00	0.006	O	|	|	|	|	0.02
124.417	0.00	0.00	0.006	O	|	|	|	|	0.02
124.500	0.00	0.00	0.006	O	|	|	|	|	0.02
124.583	0.00	0.00	0.006	O	|	|	|	|	0.02
124.667	0.00	0.00	0.006	O	|	|	|	|	0.02
124.750	0.00	0.00	0.006	O	|	|	|	|	0.02
124.833	0.00	0.00	0.006	O	|	|	|	|	0.02
124.917	0.00	0.00	0.006	O	|	|	|	|	0.02
125.000	0.00	0.00	0.006	O	|	|	|	|	0.02
125.083	0.00	0.00	0.006	O	|	|	|	|	0.02
125.167	0.00	0.00	0.006	O	|	|	|	|	0.01
125.250	0.00	0.00	0.006	O	|	|	|	|	0.01
125.333	0.00	0.00	0.006	O	|	|	|	|	0.01
125.417	0.00	0.00	0.006	O	|	|	|	|	0.01
125.500	0.00	0.00	0.006	O	|	|	|	|	0.01
125.583	0.00	0.00	0.006	O	|	|	|	|	0.01
125.667	0.00	0.00	0.006	O	|	|	|	|	0.01
125.750	0.00	0.00	0.005	O	|	|	|	|	0.01
125.833	0.00	0.00	0.005	O	|	|	|	|	0.01
125.917	0.00	0.00	0.005	O	|	|	|	|	0.01
126.000	0.00	0.00	0.005	O	|	|	|	|	0.01
126.083	0.00	0.00	0.005	O	|	|	|	|	0.01
126.167	0.00	0.00	0.005	O	|	|	|	|	0.01
126.250	0.00	0.00	0.005	O	|	|	|	|	0.01
126.333	0.00	0.00	0.005	O	|	|	|	|	0.01
126.417	0.00	0.00	0.005	O	|	|	|	|	0.01
126.500	0.00	0.00	0.005	O	|	|	|	|	0.01
126.583	0.00	0.00	0.005	O	|	|	|	|	0.01
126.667	0.00	0.00	0.005	O	|	|	|	|	0.01
126.750	0.00	0.00	0.005	O	|	|	|	|	0.01
126.833	0.00	0.00	0.005	O	|	|	|	|	0.01
126.917	0.00	0.00	0.005	O	|	|	|	|	0.01
127.000	0.00	0.00	0.005	O	|	|	|	|	0.01
127.083	0.00	0.00	0.005	O	|	|	|	|	0.01
127.167	0.00	0.00	0.005	O	|	|	|	|	0.01
127.250	0.00	0.00	0.005	O	|	|	|	|	0.01
127.333	0.00	0.00	0.005	O	|	|	|	|	0.01
127.417	0.00	0.00	0.005	O	|	|	|	|	0.01
127.500	0.00	0.00	0.005	O	|	|	|	|	0.01
127.583	0.00	0.00	0.005	O	|	|	|	|	0.01
127.667	0.00	0.00	0.005	O	|	|	|	|	0.01
127.750	0.00	0.00	0.005	O	|	|	|	|	0.01
127.833	0.00	0.00	0.005	O	|	|	|	|	0.01
127.917	0.00	0.00	0.005	O	|	|	|	|	0.01
128.000	0.00	0.00	0.005	O	|	|	|	|	0.01
128.083	0.00	0.00	0.005	O	|	|	|	|	0.01
128.167	0.00	0.00	0.005	O	|	|	|	|	0.01
128.250	0.00	0.00	0.005	O	|	|	|	|	0.01
128.333	0.00	0.00	0.005	O	|	|	|	|	0.01
128.417	0.00	0.00	0.005	O	|	|	|	|	0.01
128.500	0.00	0.00	0.005	O	|	|	|	|	0.01

128.583	0.00	0.00	0.005	O	|	|	|	0.01
128.667	0.00	0.00	0.005	O	|	|	|	0.01
128.750	0.00	0.00	0.005	O	|	|	|	0.01
128.833	0.00	0.00	0.005	O	|	|	|	0.01
128.917	0.00	0.00	0.004	O	|	|	|	0.01
129.000	0.00	0.00	0.004	O	|	|	|	0.01
129.083	0.00	0.00	0.004	O	|	|	|	0.01
129.167	0.00	0.00	0.004	O	|	|	|	0.01
129.250	0.00	0.00	0.004	O	|	|	|	0.01
129.333	0.00	0.00	0.004	O	|	|	|	0.01
129.417	0.00	0.00	0.004	O	|	|	|	0.01
129.500	0.00	0.00	0.004	O	|	|	|	0.01
129.583	0.00	0.00	0.004	O	|	|	|	0.01
129.667	0.00	0.00	0.004	O	|	|	|	0.01
129.750	0.00	0.00	0.004	O	|	|	|	0.01
129.833	0.00	0.00	0.004	O	|	|	|	0.01
129.917	0.00	0.00	0.004	O	|	|	|	0.01
130.000	0.00	0.00	0.004	O	|	|	|	0.01
130.083	0.00	0.00	0.004	O	|	|	|	0.01
130.167	0.00	0.00	0.004	O	|	|	|	0.01
130.250	0.00	0.00	0.004	O	|	|	|	0.01
130.333	0.00	0.00	0.004	O	|	|	|	0.01
130.417	0.00	0.00	0.004	O	|	|	|	0.01
130.500	0.00	0.00	0.004	O	|	|	|	0.01
130.583	0.00	0.00	0.004	O	|	|	|	0.01
130.667	0.00	0.00	0.004	O	|	|	|	0.01
130.750	0.00	0.00	0.004	O	|	|	|	0.01
130.833	0.00	0.00	0.004	O	|	|	|	0.01
130.917	0.00	0.00	0.004	O	|	|	|	0.01
131.000	0.00	0.00	0.004	O	|	|	|	0.01
131.083	0.00	0.00	0.004	O	|	|	|	0.01
131.167	0.00	0.00	0.004	O	|	|	|	0.01
131.250	0.00	0.00	0.004	O	|	|	|	0.01
131.333	0.00	0.00	0.004	O	|	|	|	0.01
131.417	0.00	0.00	0.004	O	|	|	|	0.01
131.500	0.00	0.00	0.004	O	|	|	|	0.01
131.583	0.00	0.00	0.004	O	|	|	|	0.01
131.667	0.00	0.00	0.004	O	|	|	|	0.01
131.750	0.00	0.00	0.004	O	|	|	|	0.01
131.833	0.00	0.00	0.004	O	|	|	|	0.01
131.917	0.00	0.00	0.004	O	|	|	|	0.01
132.000	0.00	0.00	0.004	O	|	|	|	0.01
132.083	0.00	0.00	0.004	O	|	|	|	0.01
132.167	0.00	0.00	0.004	O	|	|	|	0.01
132.250	0.00	0.00	0.004	O	|	|	|	0.01
132.333	0.00	0.00	0.004	O	|	|	|	0.01
132.417	0.00	0.00	0.004	O	|	|	|	0.01
132.500	0.00	0.00	0.004	O	|	|	|	0.01
132.583	0.00	0.00	0.004	O	|	|	|	0.01
132.667	0.00	0.00	0.004	O	|	|	|	0.01
132.750	0.00	0.00	0.004	O	|	|	|	0.01
132.833	0.00	0.00	0.004	O	|	|	|	0.01
132.917	0.00	0.00	0.003	O	|	|	|	0.01
133.000	0.00	0.00	0.003	O	|	|	|	0.01
133.083	0.00	0.00	0.003	O	|	|	|	0.01
133.167	0.00	0.00	0.003	O	|	|	|	0.01
133.250	0.00	0.00	0.003	O	|	|	|	0.01
133.333	0.00	0.00	0.003	O	|	|	|	0.01
133.417	0.00	0.00	0.003	O	|	|	|	0.01
133.500	0.00	0.00	0.003	O	|	|	|	0.01
133.583	0.00	0.00	0.003	O	|	|	|	0.01
133.667	0.00	0.00	0.003	O	|	|	|	0.01
133.750	0.00	0.00	0.003	O	|	|	|	0.01
133.833	0.00	0.00	0.003	O	|	|	|	0.01
133.917	0.00	0.00	0.003	O	|	|	|	0.01
134.000	0.00	0.00	0.003	O	|	|	|	0.01
134.083	0.00	0.00	0.003	O	|	|	|	0.01

134.167	0.00	0.00	0.003	O				0.01
134.250	0.00	0.00	0.003	O				0.01
134.333	0.00	0.00	0.003	O				0.01
134.417	0.00	0.00	0.003	O				0.01
134.500	0.00	0.00	0.003	O				0.01
134.583	0.00	0.00	0.003	O				0.01
134.667	0.00	0.00	0.003	O				0.01
134.750	0.00	0.00	0.003	O				0.01
134.833	0.00	0.00	0.003	O				0.01
134.917	0.00	0.00	0.003	O				0.01
135.000	0.00	0.00	0.003	O				0.01
135.083	0.00	0.00	0.003	O				0.01
135.167	0.00	0.00	0.003	O				0.01
135.250	0.00	0.00	0.003	O				0.01
135.333	0.00	0.00	0.003	O				0.01
135.417	0.00	0.00	0.003	O				0.01
135.500	0.00	0.00	0.003	O				0.01
135.583	0.00	0.00	0.003	O				0.01
135.667	0.00	0.00	0.003	O				0.01
135.750	0.00	0.00	0.003	O				0.01
135.833	0.00	0.00	0.003	O				0.01
135.917	0.00	0.00	0.003	O				0.01
136.000	0.00	0.00	0.003	O				0.01
136.083	0.00	0.00	0.003	O				0.01
136.167	0.00	0.00	0.003	O				0.01
136.250	0.00	0.00	0.003	O				0.01
136.333	0.00	0.00	0.003	O				0.01
136.417	0.00	0.00	0.003	O				0.01
136.500	0.00	0.00	0.003	O				0.01
136.583	0.00	0.00	0.003	O				0.01
136.667	0.00	0.00	0.003	O				0.01
136.750	0.00	0.00	0.003	O				0.01
136.833	0.00	0.00	0.003	O				0.01
136.917	0.00	0.00	0.003	O				0.01
137.000	0.00	0.00	0.003	O				0.01
137.083	0.00	0.00	0.003	O				0.01
137.167	0.00	0.00	0.003	O				0.01
137.250	0.00	0.00	0.003	O				0.01
137.333	0.00	0.00	0.003	O				0.01
137.417	0.00	0.00	0.003	O				0.01
137.500	0.00	0.00	0.003	O				0.01
137.583	0.00	0.00	0.003	O				0.01
137.667	0.00	0.00	0.003	O				0.01
137.750	0.00	0.00	0.003	O				0.01
137.833	0.00	0.00	0.003	O				0.01
137.917	0.00	0.00	0.003	O				0.01
138.000	0.00	0.00	0.003	O				0.01
138.083	0.00	0.00	0.003	O				0.01
138.167	0.00	0.00	0.003	O				0.01
138.250	0.00	0.00	0.002	O				0.01
138.333	0.00	0.00	0.002	O				0.01
138.417	0.00	0.00	0.002	O				0.01
138.500	0.00	0.00	0.002	O				0.01
138.583	0.00	0.00	0.002	O				0.01
138.667	0.00	0.00	0.002	O				0.01
138.750	0.00	0.00	0.002	O				0.01
138.833	0.00	0.00	0.002	O				0.01
138.917	0.00	0.00	0.002	O				0.01
139.000	0.00	0.00	0.002	O				0.01
139.083	0.00	0.00	0.002	O				0.01
139.167	0.00	0.00	0.002	O				0.01
139.250	0.00	0.00	0.002	O				0.01
139.333	0.00	0.00	0.002	O				0.01
139.417	0.00	0.00	0.002	O				0.01
139.500	0.00	0.00	0.002	O				0.01
139.583	0.00	0.00	0.002	O				0.01
139.667	0.00	0.00	0.002	O				0.01

139.750	0.00	0.00	0.002	O	|	|	|	0.01
139.833	0.00	0.00	0.002	O	|	|	|	0.01
139.917	0.00	0.00	0.002	O	|	|	|	0.01
140.000	0.00	0.00	0.002	O	|	|	|	0.01
140.083	0.00	0.00	0.002	O	|	|	|	0.01
140.167	0.00	0.00	0.002	O	|	|	|	0.01
140.250	0.00	0.00	0.002	O	|	|	|	0.01
140.333	0.00	0.00	0.002	O	|	|	|	0.01
140.417	0.00	0.00	0.002	O	|	|	|	0.01
140.500	0.00	0.00	0.002	O	|	|	|	0.01
140.583	0.00	0.00	0.002	O	|	|	|	0.01
140.667	0.00	0.00	0.002	O	|	|	|	0.01
140.750	0.00	0.00	0.002	O	|	|	|	0.01
140.833	0.00	0.00	0.002	O	|	|	|	0.01
140.917	0.00	0.00	0.002	O	|	|	|	0.01
141.000	0.00	0.00	0.002	O	|	|	|	0.01
141.083	0.00	0.00	0.002	O	|	|	|	0.01
141.167	0.00	0.00	0.002	O	|	|	|	0.01
141.250	0.00	0.00	0.002	O	|	|	|	0.01
141.333	0.00	0.00	0.002	O	|	|	|	0.01
141.417	0.00	0.00	0.002	O	|	|	|	0.01
141.500	0.00	0.00	0.002	O	|	|	|	0.01
141.583	0.00	0.00	0.002	O	|	|	|	0.01
141.667	0.00	0.00	0.002	O	|	|	|	0.01
141.750	0.00	0.00	0.002	O	|	|	|	0.01
141.833	0.00	0.00	0.002	O	|	|	|	0.01
141.917	0.00	0.00	0.002	O	|	|	|	0.01
142.000	0.00	0.00	0.002	O	|	|	|	0.01
142.083	0.00	0.00	0.002	O	|	|	|	0.01
142.167	0.00	0.00	0.002	O	|	|	|	0.01
142.250	0.00	0.00	0.002	O	|	|	|	0.01
142.333	0.00	0.00	0.002	O	|	|	|	0.01
142.417	0.00	0.00	0.002	O	|	|	|	0.01
142.500	0.00	0.00	0.002	O	|	|	|	0.01
142.583	0.00	0.00	0.002	O	|	|	|	0.00
142.667	0.00	0.00	0.002	O	|	|	|	0.00
142.750	0.00	0.00	0.002	O	|	|	|	0.00
142.833	0.00	0.00	0.002	O	|	|	|	0.00
142.917	0.00	0.00	0.002	O	|	|	|	0.00
143.000	0.00	0.00	0.002	O	|	|	|	0.00
143.083	0.00	0.00	0.002	O	|	|	|	0.00
143.167	0.00	0.00	0.002	O	|	|	|	0.00
143.250	0.00	0.00	0.002	O	|	|	|	0.00
143.333	0.00	0.00	0.002	O	|	|	|	0.00
143.417	0.00	0.00	0.002	O	|	|	|	0.00
143.500	0.00	0.00	0.002	O	|	|	|	0.00
143.583	0.00	0.00	0.002	O	|	|	|	0.00
143.667	0.00	0.00	0.002	O	|	|	|	0.00
143.750	0.00	0.00	0.002	O	|	|	|	0.00
143.833	0.00	0.00	0.002	O	|	|	|	0.00
143.917	0.00	0.00	0.002	O	|	|	|	0.00
144.000	0.00	0.00	0.002	O	|	|	|	0.00
144.083	0.00	0.00	0.002	O	|	|	|	0.00
144.167	0.00	0.00	0.002	O	|	|	|	0.00
144.250	0.00	0.00	0.002	O	|	|	|	0.00
144.333	0.00	0.00	0.002	O	|	|	|	0.00
144.417	0.00	0.00	0.002	O	|	|	|	0.00
144.500	0.00	0.00	0.002	O	|	|	|	0.00
144.583	0.00	0.00	0.002	O	|	|	|	0.00
144.667	0.00	0.00	0.002	O	|	|	|	0.00
144.750	0.00	0.00	0.002	O	|	|	|	0.00
144.833	0.00	0.00	0.002	O	|	|	|	0.00
144.917	0.00	0.00	0.002	O	|	|	|	0.00
145.000	0.00	0.00	0.002	O	|	|	|	0.00
145.083	0.00	0.00	0.002	O	|	|	|	0.00
145.167	0.00	0.00	0.002	O	|	|	|	0.00
145.250	0.00	0.00	0.002	O	|	|	|	0.00

145.333	0.00	0.00	0.002	O	|	|	|	|	0.00
145.417	0.00	0.00	0.002	O	|	|	|	|	0.00
145.500	0.00	0.00	0.002	O	|	|	|	|	0.00
145.583	0.00	0.00	0.002	O	|	|	|	|	0.00
145.667	0.00	0.00	0.002	O	|	|	|	|	0.00
145.750	0.00	0.00	0.002	O	|	|	|	|	0.00
145.833	0.00	0.00	0.002	O	|	|	|	|	0.00
145.917	0.00	0.00	0.002	O	|	|	|	|	0.00
146.000	0.00	0.00	0.002	O	|	|	|	|	0.00
146.083	0.00	0.00	0.002	O	|	|	|	|	0.00
146.167	0.00	0.00	0.002	O	|	|	|	|	0.00
146.250	0.00	0.00	0.002	O	|	|	|	|	0.00
146.333	0.00	0.00	0.001	O	|	|	|	|	0.00
146.417	0.00	0.00	0.001	O	|	|	|	|	0.00
146.500	0.00	0.00	0.001	O	|	|	|	|	0.00
146.583	0.00	0.00	0.001	O	|	|	|	|	0.00
146.667	0.00	0.00	0.001	O	|	|	|	|	0.00
146.750	0.00	0.00	0.001	O	|	|	|	|	0.00
146.833	0.00	0.00	0.001	O	|	|	|	|	0.00
146.917	0.00	0.00	0.001	O	|	|	|	|	0.00
147.000	0.00	0.00	0.001	O	|	|	|	|	0.00
147.083	0.00	0.00	0.001	O	|	|	|	|	0.00
147.167	0.00	0.00	0.001	O	|	|	|	|	0.00
147.250	0.00	0.00	0.001	O	|	|	|	|	0.00
147.333	0.00	0.00	0.001	O	|	|	|	|	0.00
147.417	0.00	0.00	0.001	O	|	|	|	|	0.00
147.500	0.00	0.00	0.001	O	|	|	|	|	0.00
147.583	0.00	0.00	0.001	O	|	|	|	|	0.00
147.667	0.00	0.00	0.001	O	|	|	|	|	0.00
147.750	0.00	0.00	0.001	O	|	|	|	|	0.00
147.833	0.00	0.00	0.001	O	|	|	|	|	0.00
147.917	0.00	0.00	0.001	O	|	|	|	|	0.00
148.000	0.00	0.00	0.001	O	|	|	|	|	0.00
148.083	0.00	0.00	0.001	O	|	|	|	|	0.00
148.167	0.00	0.00	0.001	O	|	|	|	|	0.00
148.250	0.00	0.00	0.001	O	|	|	|	|	0.00
148.333	0.00	0.00	0.001	O	|	|	|	|	0.00
148.417	0.00	0.00	0.001	O	|	|	|	|	0.00
148.500	0.00	0.00	0.001	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1782
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.779 (CFS)
Total volume = 3.017 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/19/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRG6100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 75
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 37.315 (CFS)
Total volume = 4.459 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN G- ROUTING
100YR-6HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 75
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.380	0.290	0.379	0.381
2.000	0.810	0.440	0.808	0.812
3.000	1.300	0.550	1.298	1.302
4.000	1.840	0.650	1.838	1.842
5.000	2.440	0.730	2.437	2.443
6.000	3.100	0.800	3.097	3.103
7.000	3.820	1.470	3.815	3.825
8.000	4.610	25.330	4.523	4.697
9.000	5.500	124.380	5.072	5.928

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 9.3 18.66 27.99 37.32 Depth (Ft.)
0.083	1.41	0.00	0.005	OI | | | | 0.01

```
0.167    2.99    0.02      0.020  O I     |       |       |       |     0.05
0.250    3.49    0.03      0.042  O I     |       |       |       |     0.11
0.333    3.65    0.05      0.066  O  I    |       |       |       |     0.17
0.417    3.67    0.07      0.091  O  I    |       |       |       |     0.24
0.500    3.95    0.09      0.117  O  I    |       |       |       |     0.31
0.583    4.21    0.11      0.144  O  I    |       |       |       |     0.38
0.667    4.26    0.13      0.173  O  I    |       |       |       |     0.45
0.750    4.28    0.15      0.201  O  I    |       |       |       |     0.53
0.833    4.28    0.18      0.229  O  I    |       |       |       |     0.60
0.917    4.28    0.20      0.258  O  I    |       |       |       |     0.68
1.000    4.56    0.22      0.287  O  I    |       |       |       |     0.75
1.083    4.82    0.24      0.317  O   I   |       |       |       |     0.84
1.167    4.87    0.27      0.349  O   I   |       |       |       |     0.92
1.250    4.89    0.29      0.381  O   I   |       |       |       |     1.00
1.333    4.89    0.30      0.412  O   I   |       |       |       |     1.08
1.417    4.89    0.31      0.444  O   I   |       |       |       |     1.15
1.500    4.89    0.32      0.475  O   I   |       |       |       |     1.22
1.583    4.89    0.33      0.507  O   I   |       |       |       |     1.30
1.667    4.89    0.35      0.538  O   I   |       |       |       |     1.37
1.750    4.89    0.36      0.570  O   I   |       |       |       |     1.44
1.833    4.89    0.37      0.601  O   I   |       |       |       |     1.51
1.917    4.89    0.38      0.632  O   I   |       |       |       |     1.59
2.000    5.18    0.39      0.664  O   I   |       |       |       |     1.66
2.083    5.15    0.40      0.697  O   I   |       |       |       |     1.74
2.167    5.23    0.41      0.730  O   I   |       |       |       |     1.81
2.250    5.45    0.42      0.764  O   I   |       |       |       |     1.89
2.333    5.48    0.44      0.798  O   I   |       |       |       |     1.97
2.417    5.50    0.45      0.833  O   I   |       |       |       |     2.05
2.500    5.50    0.45      0.868  O   I   |       |       |       |     2.12
2.583    5.50    0.46      0.903  O   I   |       |       |       |     2.19
2.667    5.50    0.47      0.937  O   I   |       |       |       |     2.26
2.750    5.79    0.48      0.973  O   I   |       |       |       |     2.33
2.833    6.05    0.48      1.010  O    I  |       |       |       |     2.41
2.917    6.09    0.49      1.049  O    I  |       |       |       |     2.49
3.000    6.12    0.50      1.088  O    I  |       |       |       |     2.57
3.083    6.12    0.51      1.126  O    I  |       |       |       |     2.65
3.167    6.40    0.52      1.166  O    I  |       |       |       |     2.73
3.250    6.66    0.53      1.207  O    I  |       |       |       |     2.81
3.333    6.71    0.54      1.249  O    I  |       |       |       |     2.90
3.417    7.01    0.55      1.293  O     I |       |       |       |     2.99
3.500    7.55    0.56      1.339  O     I |       |       |       |     3.07
3.583    8.14    0.57      1.389  O     I |       |       |       |     3.17
3.667    8.47    0.58      1.443  O      I|       |       |       |     3.26
3.750    8.82    0.59      1.498  O      I|       |       |       |     3.37
3.833    9.10    0.60      1.556  O      I|       |       |       |     3.47
3.917    9.44    0.61      1.616  O       I       |       |       |     3.58
4.000    9.71    0.62      1.677  O       I       |       |       |     3.70
4.083   10.05    0.63      1.741  O       I       |       |       |     3.82
4.167   10.61    0.64      1.808  O       |I      |       |       |     3.94
4.250   11.23    0.66      1.878  O       |I      |       |       |     4.06
4.333   11.96    0.67      1.954  O       | I     |       |       |     4.19
4.417   12.76    0.68      2.034  O       | I     |       |       |     4.32
4.500   13.19    0.69      2.119  O       |  I    |       |       |     4.46
4.583   13.66    0.70      2.207  O       |  I    |       |       |     4.61
4.667   14.41    0.71      2.298  O       |   I   |       |       |     4.76
4.750   15.19    0.72      2.395  O       |    I  |       |       |     4.93
4.833   15.63    0.74      2.497  O       |    I  |       |       |     5.09
4.917   16.10    0.75      2.601  O       |    I  |       |       |     5.24
5.000   16.85    0.76      2.709  O       |     I |       |       |     5.41
5.083   19.14    0.77      2.828  O       |       I       |       |     5.59
5.167   22.84    0.79      2.967  O       |       |  I    |       |     5.80
5.250   26.04    0.83      3.130  O       |       |     I |       |     6.04
5.333   28.67    1.00      3.312  O       |       |       I       |     6.29
5.417   31.93    1.18      3.513  |O      |       |       |  I    |     6.57
5.500   37.32    1.40      3.742  |O      |       |       |      I|     6.89
5.583   26.88    5.13      3.941  |   O   |       |      I|       |     7.15
5.667   12.06    7.83      4.031  |     O | I     |       |       |     7.27
```

5.750	6.41	**8.09**	**4.039**	**| IO**	|	|	|	**7.28**
5.833	3.81	7.53	4.021	| I O	|	|	|	7.25
5.917	2.63	6.72	3.994	| I O	|	|	|	7.22
6.000	1.71	5.86	3.965	|I O	|	|	|	7.18
6.083	0.77	4.99	3.937	I O	|	|	|	7.15
6.167	0.16	4.14	3.908	I O	|	|	|	7.11
6.250	0.04	3.38	3.883	I O	|	|	|	7.08
6.333	0.00	2.75	3.862	I O	|	|	|	7.05
6.417	0.00	2.23	3.845	IO	|	|	|	7.03
6.500	0.00	1.81	3.831	IO	|	|	|	7.01
6.583	0.00	1.47	3.820	IO	|	|	|	7.00
6.667	0.00	1.46	3.810	IO	|	|	|	6.99
6.750	0.00	1.45	3.800	IO	|	|	|	6.97
6.833	0.00	1.44	3.790	IO	|	|	|	6.96
6.917	0.00	1.43	3.780	IO	|	|	|	6.94
7.000	0.00	1.42	3.770	IO	|	|	|	6.93
7.083	0.00	1.41	3.760	IO	|	|	|	6.92
7.167	0.00	1.41	3.751	IO	|	|	|	6.90
7.250	0.00	1.40	3.741	IO	|	|	|	6.89
7.333	0.00	1.39	3.731	IO	|	|	|	6.88
7.417	0.00	1.38	3.722	IO	|	|	|	6.86
7.500	0.00	1.37	3.712	IO	|	|	|	6.85
7.583	0.00	1.36	3.703	IO	|	|	|	6.84
7.667	0.00	1.35	3.694	IO	|	|	|	6.82
7.750	0.00	1.34	3.684	IO	|	|	|	6.81
7.833	0.00	1.34	3.675	IO	|	|	|	6.80
7.917	0.00	1.33	3.666	IO	|	|	|	6.79
8.000	0.00	1.32	3.657	IO	|	|	|	6.77
8.083	0.00	1.31	3.648	IO	|	|	|	6.76
8.167	0.00	1.30	3.639	IO	|	|	|	6.75
8.250	0.00	1.29	3.630	IO	|	|	|	6.74
8.333	0.00	1.28	3.621	IO	|	|	|	6.72
8.417	0.00	1.28	3.612	IO	|	|	|	6.71
8.500	0.00	1.27	3.603	IO	|	|	|	6.70
8.583	0.00	1.26	3.595	IO	|	|	|	6.69
8.667	0.00	1.25	3.586	IO	|	|	|	6.68
8.750	0.00	1.24	3.577	IO	|	|	|	6.66
8.833	0.00	1.24	3.569	IO	|	|	|	6.65
8.917	0.00	1.23	3.560	IO	|	|	|	6.64
9.000	0.00	1.22	3.552	IO	|	|	|	6.63
9.083	0.00	1.21	3.544	IO	|	|	|	6.62
9.167	0.00	1.21	3.535	IO	|	|	|	6.60
9.250	0.00	1.20	3.527	IO	|	|	|	6.59
9.333	0.00	1.19	3.519	IO	|	|	|	6.58
9.417	0.00	1.18	3.511	IO	|	|	|	6.57
9.500	0.00	1.17	3.503	IO	|	|	|	6.56
9.583	0.00	1.17	3.494	IO	|	|	|	6.55
9.667	0.00	1.16	3.486	O	|	|	|	6.54
9.750	0.00	1.15	3.478	O	|	|	|	6.53
9.833	0.00	1.14	3.471	O	|	|	|	6.51
9.917	0.00	1.14	3.463	O	|	|	|	6.50
10.000	0.00	1.13	3.455	O	|	|	|	6.49
10.083	0.00	1.12	3.447	O	|	|	|	6.48
10.167	0.00	1.12	3.439	O	|	|	|	6.47
10.250	0.00	1.11	3.432	O	|	|	|	6.46
10.333	0.00	1.10	3.424	O	|	|	|	6.45
10.417	0.00	1.09	3.417	O	|	|	|	6.44
10.500	0.00	1.09	3.409	O	|	|	|	6.43
10.583	0.00	1.08	3.402	O	|	|	|	6.42
10.667	0.00	1.07	3.394	O	|	|	|	6.41
10.750	0.00	1.07	3.387	O	|	|	|	6.40
10.833	0.00	1.06	3.380	O	|	|	|	6.39
10.917	0.00	1.05	3.372	O	|	|	|	6.38
11.000	0.00	1.05	3.365	O	|	|	|	6.37
11.083	0.00	1.04	3.358	O	|	|	|	6.36
11.167	0.00	1.03	3.351	O	|	|	|	6.35
11.250	0.00	1.03	3.344	O	|	|	|	6.34

11.333	0.00	1.02	3.337	O	|	|	|	|	6.33
11.417	0.00	1.01	3.330	O	|	|	|	|	6.32
11.500	0.00	1.01	3.323	O	|	|	|	|	6.31
11.583	0.00	1.00	3.316	O	|	|	|	|	6.30
11.667	0.00	0.99	3.309	O	|	|	|	|	6.29
11.750	0.00	0.99	3.302	O	|	|	|	|	6.28
11.833	0.00	0.98	3.295	O	|	|	|	|	6.27
11.917	0.00	0.98	3.288	O	|	|	|	|	6.26
12.000	0.00	0.97	3.282	O	|	|	|	|	6.25
12.083	0.00	0.96	3.275	O	|	|	|	|	6.24
12.167	0.00	0.96	3.268	O	|	|	|	|	6.23
12.250	0.00	0.95	3.262	O	|	|	|	|	6.22
12.333	0.00	0.94	3.255	O	|	|	|	|	6.22
12.417	0.00	0.94	3.249	O	|	|	|	|	6.21
12.500	0.00	0.93	3.242	O	|	|	|	|	6.20
12.583	0.00	0.93	3.236	O	|	|	|	|	6.19
12.667	0.00	0.92	3.230	O	|	|	|	|	6.18
12.750	0.00	0.91	3.223	O	|	|	|	|	6.17
12.833	0.00	0.91	3.217	O	|	|	|	|	6.16
12.917	0.00	0.90	3.211	O	|	|	|	|	6.15
13.000	0.00	0.90	3.205	O	|	|	|	|	6.15
13.083	0.00	0.89	3.198	O	|	|	|	|	6.14
13.167	0.00	0.89	3.192	O	|	|	|	|	6.13
13.250	0.00	0.88	3.186	O	|	|	|	|	6.12
13.333	0.00	0.87	3.180	O	|	|	|	|	6.11
13.417	0.00	0.87	3.174	O	|	|	|	|	6.10
13.500	0.00	0.86	3.168	O	|	|	|	|	6.09
13.583	0.00	0.86	3.162	O	|	|	|	|	6.09
13.667	0.00	0.85	3.156	O	|	|	|	|	6.08
13.750	0.00	0.85	3.151	O	|	|	|	|	6.07
13.833	0.00	0.84	3.145	O	|	|	|	|	6.06
13.917	0.00	0.84	3.139	O	|	|	|	|	6.05
14.000	0.00	0.83	3.133	O	|	|	|	|	6.05
14.083	0.00	0.83	3.128	O	|	|	|	|	6.04
14.167	0.00	0.82	3.122	O	|	|	|	|	6.03
14.250	0.00	0.82	3.116	O	|	|	|	|	6.02
14.333	0.00	0.81	3.111	O	|	|	|	|	6.01
14.417	0.00	0.80	3.105	O	|	|	|	|	6.01
14.500	0.00	0.80	3.100	O	|	|	|	|	6.00
14.583	0.00	0.80	3.094	O	|	|	|	|	5.99
14.667	0.00	0.80	3.089	O	|	|	|	|	5.98
14.750	0.00	0.80	3.083	O	|	|	|	|	5.97
14.833	0.00	0.80	3.078	O	|	|	|	|	5.97
14.917	0.00	0.80	3.072	O	|	|	|	|	5.96
15.000	0.00	0.80	3.067	O	|	|	|	|	5.95
15.083	0.00	0.80	3.061	O	|	|	|	|	5.94
15.167	0.00	0.80	3.056	O	|	|	|	|	5.93
15.250	0.00	0.79	3.050	O	|	|	|	|	5.92
15.333	0.00	0.79	3.045	O	|	|	|	|	5.92
15.417	0.00	0.79	3.039	O	|	|	|	|	5.91
15.500	0.00	0.79	3.034	O	|	|	|	|	5.90
15.583	0.00	0.79	3.028	O	|	|	|	|	5.89
15.667	0.00	0.79	3.023	O	|	|	|	|	5.88
15.750	0.00	0.79	3.017	O	|	|	|	|	5.87
15.833	0.00	0.79	3.012	O	|	|	|	|	5.87
15.917	0.00	0.79	3.007	O	|	|	|	|	5.86
16.000	0.00	0.79	3.001	O	|	|	|	|	5.85
16.083	0.00	0.79	2.996	O	|	|	|	|	5.84
16.167	0.00	0.79	2.990	O	|	|	|	|	5.83
16.250	0.00	0.79	2.985	O	|	|	|	|	5.83
16.333	0.00	0.79	2.979	O	|	|	|	|	5.82
16.417	0.00	0.79	2.974	O	|	|	|	|	5.81
16.500	0.00	0.79	2.969	O	|	|	|	|	5.80
16.583	0.00	0.79	2.963	O	|	|	|	|	5.79
16.667	0.00	0.78	2.958	O	|	|	|	|	5.78
16.750	0.00	0.78	2.952	O	|	|	|	|	5.78
16.833	0.00	0.78	2.947	O	|	|	|	|	5.77

16.917	0.00	0.78	2.941	O				5.76
17.000	0.00	0.78	2.936	O				5.75
17.083	0.00	0.78	2.931	O				5.74
17.167	0.00	0.78	2.925	O				5.74
17.250	0.00	0.78	2.920	O				5.73
17.333	0.00	0.78	2.915	O				5.72
17.417	0.00	0.78	2.909	O				5.71
17.500	0.00	0.78	2.904	O				5.70
17.583	0.00	0.78	2.898	O				5.69
17.667	0.00	0.78	2.893	O				5.69
17.750	0.00	0.78	2.888	O				5.68
17.833	0.00	0.78	2.882	O				5.67
17.917	0.00	0.78	2.877	O				5.66
18.000	0.00	0.78	2.872	O				5.65
18.083	0.00	0.78	2.866	O				5.65
18.167	0.00	0.77	2.861	O				5.64
18.250	0.00	0.77	2.856	O				5.63
18.333	0.00	0.77	2.850	O				5.62
18.417	0.00	0.77	2.845	O				5.61
18.500	0.00	0.77	2.840	O				5.61
18.583	0.00	0.77	2.834	O				5.60
18.667	0.00	0.77	2.829	O				5.59
18.750	0.00	0.77	2.824	O				5.58
18.833	0.00	0.77	2.818	O				5.57
18.917	0.00	0.77	2.813	O				5.57
19.000	0.00	0.77	2.808	O				5.56
19.083	0.00	0.77	2.803	O				5.55
19.167	0.00	0.77	2.797	O				5.54
19.250	0.00	0.77	2.792	O				5.53
19.333	0.00	0.77	2.787	O				5.53
19.417	0.00	0.77	2.781	O				5.52
19.500	0.00	0.77	2.776	O				5.51
19.583	0.00	0.77	2.771	O				5.50
19.667	0.00	0.76	2.766	O				5.49
19.750	0.00	0.76	2.760	O				5.49
19.833	0.00	0.76	2.755	O				5.48
19.917	0.00	0.76	2.750	O				5.47
20.000	0.00	0.76	2.745	O				5.46
20.083	0.00	0.76	2.739	O				5.45
20.167	0.00	0.76	2.734	O				5.45
20.250	0.00	0.76	2.729	O				5.44
20.333	0.00	0.76	2.724	O				5.43
20.417	0.00	0.76	2.718	O				5.42
20.500	0.00	0.76	2.713	O				5.41
20.583	0.00	0.76	2.708	O				5.41
20.667	0.00	0.76	2.703	O				5.40
20.750	0.00	0.76	2.697	O				5.39
20.833	0.00	0.76	2.692	O				5.38
20.917	0.00	0.76	2.687	O				5.37
21.000	0.00	0.76	2.682	O				5.37
21.083	0.00	0.76	2.677	O				5.36
21.167	0.00	0.75	2.671	O				5.35
21.250	0.00	0.75	2.666	O				5.34
21.333	0.00	0.75	2.661	O				5.33
21.417	0.00	0.75	2.656	O				5.33
21.500	0.00	0.75	2.651	O				5.32
21.583	0.00	0.75	2.646	O				5.31
21.667	0.00	0.75	2.640	O				5.30
21.750	0.00	0.75	2.635	O				5.30
21.833	0.00	0.75	2.630	O				5.29
21.917	0.00	0.75	2.625	O				5.28
22.000	0.00	0.75	2.620	O				5.27
22.083	0.00	0.75	2.615	O				5.26
22.167	0.00	0.75	2.609	O				5.26
22.250	0.00	0.75	2.604	O				5.25
22.333	0.00	0.75	2.599	O				5.24
22.417	0.00	0.75	2.594	O				5.23

22.500	0.00	0.75	2.589	O	|	|	|	|	5.23
22.583	0.00	0.75	2.584	O	|	|	|	|	5.22
22.667	0.00	0.74	2.579	O	|	|	|	|	5.21
22.750	0.00	0.74	2.573	O	|	|	|	|	5.20
22.833	0.00	0.74	2.568	O	|	|	|	|	5.19
22.917	0.00	0.74	2.563	O	|	|	|	|	5.19
23.000	0.00	0.74	2.558	O	|	|	|	|	5.18
23.083	0.00	0.74	2.553	O	|	|	|	|	5.17
23.167	0.00	0.74	2.548	O	|	|	|	|	5.16
23.250	0.00	0.74	2.543	O	|	|	|	|	5.16
23.333	0.00	0.74	2.538	O	|	|	|	|	5.15
23.417	0.00	0.74	2.533	O	|	|	|	|	5.14
23.500	0.00	0.74	2.527	O	|	|	|	|	5.13
23.583	0.00	0.74	2.522	O	|	|	|	|	5.12
23.667	0.00	0.74	2.517	O	|	|	|	|	5.12
23.750	0.00	0.74	2.512	O	|	|	|	|	5.11
23.833	0.00	0.74	2.507	O	|	|	|	|	5.10
23.917	0.00	0.74	2.502	O	|	|	|	|	5.09
24.000	0.00	0.74	2.497	O	|	|	|	|	5.09
24.083	0.00	0.74	2.492	O	|	|	|	|	5.08
24.167	0.00	0.73	2.487	O	|	|	|	|	5.07
24.250	0.00	0.73	2.482	O	|	|	|	|	5.06
24.333	0.00	0.73	2.477	O	|	|	|	|	5.06
24.417	0.00	0.73	2.472	O	|	|	|	|	5.05
24.500	0.00	0.73	2.467	O	|	|	|	|	5.04
24.583	0.00	0.73	2.462	O	|	|	|	|	5.03
24.667	0.00	0.73	2.457	O	|	|	|	|	5.03
24.750	0.00	0.73	2.451	O	|	|	|	|	5.02
24.833	0.00	0.73	2.446	O	|	|	|	|	5.01
24.917	0.00	0.73	2.441	O	|	|	|	|	5.00
25.000	0.00	0.73	2.436	O	|	|	|	|	4.99
25.083	0.00	0.73	2.431	O	|	|	|	|	4.99
25.167	0.00	0.73	2.426	O	|	|	|	|	4.98
25.250	0.00	0.73	2.421	O	|	|	|	|	4.97
25.333	0.00	0.73	2.416	O	|	|	|	|	4.96
25.417	0.00	0.73	2.411	O	|	|	|	|	4.95
25.500	0.00	0.73	2.406	O	|	|	|	|	4.94
25.583	0.00	0.72	2.401	O	|	|	|	|	4.94
25.667	0.00	0.72	2.396	O	|	|	|	|	4.93
25.750	0.00	0.72	2.391	O	|	|	|	|	4.92
25.833	0.00	0.72	2.386	O	|	|	|	|	4.91
25.917	0.00	0.72	2.381	O	|	|	|	|	4.90
26.000	0.00	0.72	2.376	O	|	|	|	|	4.89
26.083	0.00	0.72	2.371	O	|	|	|	|	4.89
26.167	0.00	0.72	2.367	O	|	|	|	|	4.88
26.250	0.00	0.72	2.362	O	|	|	|	|	4.87
26.333	0.00	0.72	2.357	O	|	|	|	|	4.86
26.417	0.00	0.72	2.352	O	|	|	|	|	4.85
26.500	0.00	0.72	2.347	O	|	|	|	|	4.84
26.583	0.00	0.72	2.342	O	|	|	|	|	4.84
26.667	0.00	0.72	2.337	O	|	|	|	|	4.83
26.750	0.00	0.72	2.332	O	|	|	|	|	4.82
26.833	0.00	0.71	2.327	O	|	|	|	|	4.81
26.917	0.00	0.71	2.322	O	|	|	|	|	4.80
27.000	0.00	0.71	2.317	O	|	|	|	|	4.80
27.083	0.00	0.71	2.312	O	|	|	|	|	4.79
27.167	0.00	0.71	2.307	O	|	|	|	|	4.78
27.250	0.00	0.71	2.302	O	|	|	|	|	4.77
27.333	0.00	0.71	2.298	O	|	|	|	|	4.76
27.417	0.00	0.71	2.293	O	|	|	|	|	4.75
27.500	0.00	0.71	2.288	O	|	|	|	|	4.75
27.583	0.00	0.71	2.283	O	|	|	|	|	4.74
27.667	0.00	0.71	2.278	O	|	|	|	|	4.73
27.750	0.00	0.71	2.273	O	|	|	|	|	4.72
27.833	0.00	0.71	2.268	O	|	|	|	|	4.71
27.917	0.00	0.71	2.263	O	|	|	|	|	4.71
28.000	0.00	0.71	2.258	O	|	|	|	|	4.70

28.083	0.00	0.71	2.254	O	|	|	|	4.69
28.167	0.00	0.70	2.249	O	|	|	|	4.68
28.250	0.00	0.70	2.244	O	|	|	|	4.67
28.333	0.00	0.70	2.239	O	|	|	|	4.67
28.417	0.00	0.70	2.234	O	|	|	|	4.66
28.500	0.00	0.70	2.229	O	|	|	|	4.65
28.583	0.00	0.70	2.225	O	|	|	|	4.64
28.667	0.00	0.70	2.220	O	|	|	|	4.63
28.750	0.00	0.70	2.215	O	|	|	|	4.62
28.833	0.00	0.70	2.210	O	|	|	|	4.62
28.917	0.00	0.70	2.205	O	|	|	|	4.61
29.000	0.00	0.70	2.200	O	|	|	|	4.60
29.083	0.00	0.70	2.196	O	|	|	|	4.59
29.167	0.00	0.70	2.191	O	|	|	|	4.58
29.250	0.00	0.70	2.186	O	|	|	|	4.58
29.333	0.00	0.70	2.181	O	|	|	|	4.57
29.417	0.00	0.69	2.176	O	|	|	|	4.56
29.500	0.00	0.69	2.172	O	|	|	|	4.55
29.583	0.00	0.69	2.167	O	|	|	|	4.54
29.667	0.00	0.69	2.162	O	|	|	|	4.54
29.750	0.00	0.69	2.157	O	|	|	|	4.53
29.833	0.00	0.69	2.153	O	|	|	|	4.52
29.917	0.00	0.69	2.148	O	|	|	|	4.51
30.000	0.00	0.69	2.143	O	|	|	|	4.51
30.083	0.00	0.69	2.138	O	|	|	|	4.50
30.167	0.00	0.69	2.134	O	|	|	|	4.49
30.250	0.00	0.69	2.129	O	|	|	|	4.48
30.333	0.00	0.69	2.124	O	|	|	|	4.47
30.417	0.00	0.69	2.119	O	|	|	|	4.47
30.500	0.00	0.69	2.115	O	|	|	|	4.46
30.583	0.00	0.69	2.110	O	|	|	|	4.45
30.667	0.00	0.69	2.105	O	|	|	|	4.44
30.750	0.00	0.68	2.100	O	|	|	|	4.43
30.833	0.00	0.68	2.096	O	|	|	|	4.43
30.917	0.00	0.68	2.091	O	|	|	|	4.42
31.000	0.00	0.68	2.086	O	|	|	|	4.41
31.083	0.00	0.68	2.082	O	|	|	|	4.40
31.167	0.00	0.68	2.077	O	|	|	|	4.39
31.250	0.00	0.68	2.072	O	|	|	|	4.39
31.333	0.00	0.68	2.068	O	|	|	|	4.38
31.417	0.00	0.68	2.063	O	|	|	|	4.37
31.500	0.00	0.68	2.058	O	|	|	|	4.36
31.583	0.00	0.68	2.054	O	|	|	|	4.36
31.667	0.00	0.68	2.049	O	|	|	|	4.35
31.750	0.00	0.68	2.044	O	|	|	|	4.34
31.833	0.00	0.68	2.040	O	|	|	|	4.33
31.917	0.00	0.68	2.035	O	|	|	|	4.32
32.000	0.00	0.68	2.030	O	|	|	|	4.32
32.083	0.00	0.67	2.026	O	|	|	|	4.31
32.167	0.00	0.67	2.021	O	|	|	|	4.30
32.250	0.00	0.67	2.016	O	|	|	|	4.29
32.333	0.00	0.67	2.012	O	|	|	|	4.29
32.417	0.00	0.67	2.007	O	|	|	|	4.28
32.500	0.00	0.67	2.002	O	|	|	|	4.27
32.583	0.00	0.67	1.998	O	|	|	|	4.26
32.667	0.00	0.67	1.993	O	|	|	|	4.26
32.750	0.00	0.67	1.989	O	|	|	|	4.25
32.833	0.00	0.67	1.984	O	|	|	|	4.24
32.917	0.00	0.67	1.979	O	|	|	|	4.23
33.000	0.00	0.67	1.975	O	|	|	|	4.22
33.083	0.00	0.67	1.970	O	|	|	|	4.22
33.167	0.00	0.67	1.966	O	|	|	|	4.21
33.250	0.00	0.67	1.961	O	|	|	|	4.20
33.333	0.00	0.67	1.956	O	|	|	|	4.19
33.417	0.00	0.66	1.952	O	|	|	|	4.19
33.500	0.00	0.66	1.947	O	|	|	|	4.18
33.583	0.00	0.66	1.943	O	|	|	|	4.17

33.667	0.00	0.66	1.938	O				4.16
33.750	0.00	0.66	1.933	O				4.16
33.833	0.00	0.66	1.929	O				4.15
33.917	0.00	0.66	1.924	O				4.14
34.000	0.00	0.66	1.920	O				4.13
34.083	0.00	0.66	1.915	O				4.13
34.167	0.00	0.66	1.911	O				4.12
34.250	0.00	0.66	1.906	O				4.11
34.333	0.00	0.66	1.902	O				4.10
34.417	0.00	0.66	1.897	O				4.10
34.500	0.00	0.66	1.893	O				4.09
34.583	0.00	0.66	1.888	O				4.08
34.667	0.00	0.66	1.884	O				4.07
34.750	0.00	0.66	1.879	O				4.07
34.833	0.00	0.65	1.875	O				4.06
34.917	0.00	0.65	1.870	O				4.05
35.000	0.00	0.65	1.866	O				4.04
35.083	0.00	0.65	1.861	O				4.04
35.167	0.00	0.65	1.857	O				4.03
35.250	0.00	0.65	1.852	O				4.02
35.333	0.00	0.65	1.848	O				4.01
35.417	0.00	0.65	1.843	O				4.01
35.500	0.00	0.65	1.839	O				4.00
35.583	0.00	0.65	1.834	O				3.99
35.667	0.00	0.65	1.830	O				3.98
35.750	0.00	0.65	1.825	O				3.97
35.833	0.00	0.65	1.821	O				3.96
35.917	0.00	0.65	1.816	O				3.96
36.000	0.00	0.64	1.812	O				3.95
36.083	0.00	0.64	1.807	O				3.94
36.167	0.00	0.64	1.803	O				3.93
36.250	0.00	0.64	1.799	O				3.92
36.333	0.00	0.64	1.794	O				3.92
36.417	0.00	0.64	1.790	O				3.91
36.500	0.00	0.64	1.785	O				3.90
36.583	0.00	0.64	1.781	O				3.89
36.667	0.00	0.64	1.776	O				3.88
36.750	0.00	0.64	1.772	O				3.87
36.833	0.00	0.64	1.768	O				3.87
36.917	0.00	0.64	1.763	O				3.86
37.000	0.00	0.63	1.759	O				3.85
37.083	0.00	0.63	1.755	O				3.84
37.167	0.00	0.63	1.750	O				3.83
37.250	0.00	0.63	1.746	O				3.83
37.333	0.00	0.63	1.742	O				3.82
37.417	0.00	0.63	1.737	O				3.81
37.500	0.00	0.63	1.733	O				3.80
37.583	0.00	0.63	1.728	O				3.79
37.667	0.00	0.63	1.724	O				3.79
37.750	0.00	0.63	1.720	O				3.78
37.833	0.00	0.63	1.716	O				3.77
37.917	0.00	0.63	1.711	O				3.76
38.000	0.00	0.63	1.707	O				3.75
38.083	0.00	0.62	1.703	O				3.75
38.167	0.00	0.62	1.698	O				3.74
38.250	0.00	0.62	1.694	O				3.73
38.333	0.00	0.62	1.690	O				3.72
38.417	0.00	0.62	1.685	O				3.71
38.500	0.00	0.62	1.681	O				3.71
38.583	0.00	0.62	1.677	O				3.70
38.667	0.00	0.62	1.673	O				3.69
38.750	0.00	0.62	1.668	O				3.68
38.833	0.00	0.62	1.664	O				3.67
38.917	0.00	0.62	1.660	O				3.67
39.000	0.00	0.62	1.656	O				3.66
39.083	0.00	0.62	1.651	O				3.65
39.167	0.00	0.61	1.647	O				3.64

39.250	0.00	0.61	1.643	O	|	|	|	3.63
39.333	0.00	0.61	1.639	O	|	|	|	3.63
39.417	0.00	0.61	1.634	O	|	|	|	3.62
39.500	0.00	0.61	1.630	O	|	|	|	3.61
39.583	0.00	0.61	1.626	O	|	|	|	3.60
39.667	0.00	0.61	1.622	O	|	|	|	3.60
39.750	0.00	0.61	1.618	O	|	|	|	3.59
39.833	0.00	0.61	1.613	O	|	|	|	3.58
39.917	0.00	0.61	1.609	O	|	|	|	3.57
40.000	0.00	0.61	1.605	O	|	|	|	3.56
40.083	0.00	0.61	1.601	O	|	|	|	3.56
40.167	0.00	0.60	1.597	O	|	|	|	3.55
40.250	0.00	0.60	1.593	O	|	|	|	3.54
40.333	0.00	0.60	1.588	O	|	|	|	3.53
40.417	0.00	0.60	1.584	O	|	|	|	3.53
40.500	0.00	0.60	1.580	O	|	|	|	3.52
40.583	0.00	0.60	1.576	O	|	|	|	3.51
40.667	0.00	0.60	1.572	O	|	|	|	3.50
40.750	0.00	0.60	1.568	O	|	|	|	3.50
40.833	0.00	0.60	1.564	O	|	|	|	3.49
40.917	0.00	0.60	1.559	O	|	|	|	3.48
41.000	0.00	0.60	1.555	O	|	|	|	3.47
41.083	0.00	0.60	1.551	O	|	|	|	3.47
41.167	0.00	0.60	1.547	O	|	|	|	3.46
41.250	0.00	0.60	1.543	O	|	|	|	3.45
41.333	0.00	0.59	1.539	O	|	|	|	3.44
41.417	0.00	0.59	1.535	O	|	|	|	3.43
41.500	0.00	0.59	1.531	O	|	|	|	3.43
41.583	0.00	0.59	1.527	O	|	|	|	3.42
41.667	0.00	0.59	1.523	O	|	|	|	3.41
41.750	0.00	0.59	1.519	O	|	|	|	3.40
41.833	0.00	0.59	1.514	O	|	|	|	3.40
41.917	0.00	0.59	1.510	O	|	|	|	3.39
42.000	0.00	0.59	1.506	O	|	|	|	3.38
42.083	0.00	0.59	1.502	O	|	|	|	3.37
42.167	0.00	0.59	1.498	O	|	|	|	3.37
42.250	0.00	0.59	1.494	O	|	|	|	3.36
42.333	0.00	0.59	1.490	O	|	|	|	3.35
42.417	0.00	0.58	1.486	O	|	|	|	3.34
42.500	0.00	0.58	1.482	O	|	|	|	3.34
42.583	0.00	0.58	1.478	O	|	|	|	3.33
42.667	0.00	0.58	1.474	O	|	|	|	3.32
42.750	0.00	0.58	1.470	O	|	|	|	3.32
42.833	0.00	0.58	1.466	O	|	|	|	3.31
42.917	0.00	0.58	1.462	O	|	|	|	3.30
43.000	0.00	0.58	1.458	O	|	|	|	3.29
43.083	0.00	0.58	1.454	O	|	|	|	3.29
43.167	0.00	0.58	1.450	O	|	|	|	3.28
43.250	0.00	0.58	1.446	O	|	|	|	3.27
43.333	0.00	0.58	1.442	O	|	|	|	3.26
43.417	0.00	0.58	1.438	O	|	|	|	3.26
43.500	0.00	0.57	1.434	O	|	|	|	3.25
43.583	0.00	0.57	1.430	O	|	|	|	3.24
43.667	0.00	0.57	1.426	O	|	|	|	3.23
43.750	0.00	0.57	1.422	O	|	|	|	3.23
43.833	0.00	0.57	1.418	O	|	|	|	3.22
43.917	0.00	0.57	1.415	O	|	|	|	3.21
44.000	0.00	0.57	1.411	O	|	|	|	3.20
44.083	0.00	0.57	1.407	O	|	|	|	3.20
44.167	0.00	0.57	1.403	O	|	|	|	3.19
44.250	0.00	0.57	1.399	O	|	|	|	3.18
44.333	0.00	0.57	1.395	O	|	|	|	3.18
44.417	0.00	0.57	1.391	O	|	|	|	3.17
44.500	0.00	0.57	1.387	O	|	|	|	3.16
44.583	0.00	0.57	1.383	O	|	|	|	3.15
44.667	0.00	0.56	1.379	O	|	|	|	3.15
44.750	0.00	0.56	1.375	O	|	|	|	3.14

44.833	0.00	0.56	1.372	O	|	|	|	3.13
44.917	0.00	0.56	1.368	O	|	|	|	3.13
45.000	0.00	0.56	1.364	O	|	|	|	3.12
45.083	0.00	0.56	1.360	O	|	|	|	3.11
45.167	0.00	0.56	1.356	O	|	|	|	3.10
45.250	0.00	0.56	1.352	O	|	|	|	3.10
45.333	0.00	0.56	1.348	O	|	|	|	3.09
45.417	0.00	0.56	1.345	O	|	|	|	3.08
45.500	0.00	0.56	1.341	O	|	|	|	3.08
45.583	0.00	0.56	1.337	O	|	|	|	3.07
45.667	0.00	0.56	1.333	O	|	|	|	3.06
45.750	0.00	0.56	1.329	O	|	|	|	3.05
45.833	0.00	0.55	1.325	O	|	|	|	3.05
45.917	0.00	0.55	1.322	O	|	|	|	3.04
46.000	0.00	0.55	1.318	O	|	|	|	3.03
46.083	0.00	0.55	1.314	O	|	|	|	3.03
46.167	0.00	0.55	1.310	O	|	|	|	3.02
46.250	0.00	0.55	1.306	O	|	|	|	3.01
46.333	0.00	0.55	1.303	O	|	|	|	3.00
46.417	0.00	0.55	1.299	O	|	|	|	3.00
46.500	0.00	0.55	1.295	O	|	|	|	2.99
46.583	0.00	0.55	1.291	O	|	|	|	2.98
46.667	0.00	0.55	1.287	O	|	|	|	2.97
46.750	0.00	0.55	1.284	O	|	|	|	2.97
46.833	0.00	0.55	1.280	O	|	|	|	2.96
46.917	0.00	0.54	1.276	O	|	|	|	2.95
47.000	0.00	0.54	1.272	O	|	|	|	2.94
47.083	0.00	0.54	1.269	O	|	|	|	2.94
47.167	0.00	0.54	1.265	O	|	|	|	2.93
47.250	0.00	0.54	1.261	O	|	|	|	2.92
47.333	0.00	0.54	1.257	O	|	|	|	2.91
47.417	0.00	0.54	1.254	O	|	|	|	2.91
47.500	0.00	0.54	1.250	O	|	|	|	2.90
47.583	0.00	0.54	1.246	O	|	|	|	2.89
47.667	0.00	0.54	1.243	O	|	|	|	2.88
47.750	0.00	0.54	1.239	O	|	|	|	2.88
47.833	0.00	0.54	1.235	O	|	|	|	2.87
47.917	0.00	0.53	1.232	O	|	|	|	2.86
48.000	0.00	0.53	1.228	O	|	|	|	2.85
48.083	0.00	0.53	1.224	O	|	|	|	2.85
48.167	0.00	0.53	1.221	O	|	|	|	2.84
48.250	0.00	0.53	1.217	O	|	|	|	2.83
48.333	0.00	0.53	1.213	O	|	|	|	2.82
48.417	0.00	0.53	1.210	O	|	|	|	2.82
48.500	0.00	0.53	1.206	O	|	|	|	2.81
48.583	0.00	0.53	1.202	O	|	|	|	2.80
48.667	0.00	0.53	1.199	O	|	|	|	2.79
48.750	0.00	0.53	1.195	O	|	|	|	2.79
48.833	0.00	0.53	1.191	O	|	|	|	2.78
48.917	0.00	0.52	1.188	O	|	|	|	2.77
49.000	0.00	0.52	1.184	O	|	|	|	2.76
49.083	0.00	0.52	1.181	O	|	|	|	2.76
49.167	0.00	0.52	1.177	O	|	|	|	2.75
49.250	0.00	0.52	1.173	O	|	|	|	2.74
49.333	0.00	0.52	1.170	O	|	|	|	2.73
49.417	0.00	0.52	1.166	O	|	|	|	2.73
49.500	0.00	0.52	1.163	O	|	|	|	2.72
49.583	0.00	0.52	1.159	O	|	|	|	2.71
49.667	0.00	0.52	1.155	O	|	|	|	2.71
49.750	0.00	0.52	1.152	O	|	|	|	2.70
49.833	0.00	0.52	1.148	O	|	|	|	2.69
49.917	0.00	0.52	1.145	O	|	|	|	2.68
50.000	0.00	0.51	1.141	O	|	|	|	2.68
50.083	0.00	0.51	1.138	O	|	|	|	2.67
50.167	0.00	0.51	1.134	O	|	|	|	2.66
50.250	0.00	0.51	1.131	O	|	|	|	2.65
50.333	0.00	0.51	1.127	O	|	|	|	2.65

50.417	0.00	0.51	1.124	O	|	|	|	|	2.64
50.500	0.00	0.51	1.120	O	|	|	|	|	2.63
50.583	0.00	0.51	1.117	O	|	|	|	|	2.63
50.667	0.00	0.51	1.113	O	|	|	|	|	2.62
50.750	0.00	0.51	1.110	O	|	|	|	|	2.61
50.833	0.00	0.51	1.106	O	|	|	|	|	2.60
50.917	0.00	0.51	1.103	O	|	|	|	|	2.60
51.000	0.00	0.50	1.099	O	|	|	|	|	2.59
51.083	0.00	0.50	1.096	O	|	|	|	|	2.58
51.167	0.00	0.50	1.092	O	|	|	|	|	2.58
51.250	0.00	0.50	1.089	O	|	|	|	|	2.57
51.333	0.00	0.50	1.085	O	|	|	|	|	2.56
51.417	0.00	0.50	1.082	O	|	|	|	|	2.55
51.500	0.00	0.50	1.078	O	|	|	|	|	2.55
51.583	0.00	0.50	1.075	O	|	|	|	|	2.54
51.667	0.00	0.50	1.071	O	|	|	|	|	2.53
51.750	0.00	0.50	1.068	O	|	|	|	|	2.53
51.833	0.00	0.50	1.065	O	|	|	|	|	2.52
51.917	0.00	0.50	1.061	O	|	|	|	|	2.51
52.000	0.00	0.50	1.058	O	|	|	|	|	2.51
52.083	0.00	0.49	1.054	O	|	|	|	|	2.50
52.167	0.00	0.49	1.051	O	|	|	|	|	2.49
52.250	0.00	0.49	1.048	O	|	|	|	|	2.48
52.333	0.00	0.49	1.044	O	|	|	|	|	2.48
52.417	0.00	0.49	1.041	O	|	|	|	|	2.47
52.500	0.00	0.49	1.037	O	|	|	|	|	2.46
52.583	0.00	0.49	1.034	O	|	|	|	|	2.46
52.667	0.00	0.49	1.031	O	|	|	|	|	2.45
52.750	0.00	0.49	1.027	O	|	|	|	|	2.44
52.833	0.00	0.49	1.024	O	|	|	|	|	2.44
52.917	0.00	0.49	1.021	O	|	|	|	|	2.43
53.000	0.00	0.49	1.017	O	|	|	|	|	2.42
53.083	0.00	0.49	1.014	O	|	|	|	|	2.42
53.167	0.00	0.49	1.011	O	|	|	|	|	2.41
53.250	0.00	0.48	1.007	O	|	|	|	|	2.40
53.333	0.00	0.48	1.004	O	|	|	|	|	2.40
53.417	0.00	0.48	1.001	O	|	|	|	|	2.39
53.500	0.00	0.48	0.997	O	|	|	|	|	2.38
53.583	0.00	0.48	0.994	O	|	|	|	|	2.38
53.667	0.00	0.48	0.991	O	|	|	|	|	2.37
53.750	0.00	0.48	0.987	O	|	|	|	|	2.36
53.833	0.00	0.48	0.984	O	|	|	|	|	2.36
53.917	0.00	0.48	0.981	O	|	|	|	|	2.35
54.000	0.00	0.48	0.977	O	|	|	|	|	2.34
54.083	0.00	0.48	0.974	O	|	|	|	|	2.33
54.167	0.00	0.48	0.971	O	|	|	|	|	2.33
54.250	0.00	0.48	0.968	O	|	|	|	|	2.32
54.333	0.00	0.47	0.964	O	|	|	|	|	2.31
54.417	0.00	0.47	0.961	O	|	|	|	|	2.31
54.500	0.00	0.47	0.958	O	|	|	|	|	2.30
54.583	0.00	0.47	0.954	O	|	|	|	|	2.29
54.667	0.00	0.47	0.951	O	|	|	|	|	2.29
54.750	0.00	0.47	0.948	O	|	|	|	|	2.28
54.833	0.00	0.47	0.945	O	|	|	|	|	2.27
54.917	0.00	0.47	0.941	O	|	|	|	|	2.27
55.000	0.00	0.47	0.938	O	|	|	|	|	2.26
55.083	0.00	0.47	0.935	O	|	|	|	|	2.26
55.167	0.00	0.47	0.932	O	|	|	|	|	2.25
55.250	0.00	0.47	0.929	O	|	|	|	|	2.24
55.333	0.00	0.47	0.925	O	|	|	|	|	2.24
55.417	0.00	0.47	0.922	O	|	|	|	|	2.23
55.500	0.00	0.46	0.919	O	|	|	|	|	2.22
55.583	0.00	0.46	0.916	O	|	|	|	|	2.22
55.667	0.00	0.46	0.913	O	|	|	|	|	2.21
55.750	0.00	0.46	0.909	O	|	|	|	|	2.20
55.833	0.00	0.46	0.906	O	|	|	|	|	2.20
55.917	0.00	0.46	0.903	O	|	|	|	|	2.19

56.000	0.00	0.46	0.900	O	|	|	|	|	2.18
56.083	0.00	0.46	0.897	O	|	|	|	|	2.18
56.167	0.00	0.46	0.894	O	|	|	|	|	2.17
56.250	0.00	0.46	0.890	O	|	|	|	|	2.16
56.333	0.00	0.46	0.887	O	|	|	|	|	2.16
56.417	0.00	0.46	0.884	O	|	|	|	|	2.15
56.500	0.00	0.46	0.881	O	|	|	|	|	2.14
56.583	0.00	0.46	0.878	O	|	|	|	|	2.14
56.667	0.00	0.45	0.875	O	|	|	|	|	2.13
56.750	0.00	0.45	0.872	O	|	|	|	|	2.13
56.833	0.00	0.45	0.868	O	|	|	|	|	2.12
56.917	0.00	0.45	0.865	O	|	|	|	|	2.11
57.000	0.00	0.45	0.862	O	|	|	|	|	2.11
57.083	0.00	0.45	0.859	O	|	|	|	|	2.10
57.167	0.00	0.45	0.856	O	|	|	|	|	2.09
57.250	0.00	0.45	0.853	O	|	|	|	|	2.09
57.333	0.00	0.45	0.850	O	|	|	|	|	2.08
57.417	0.00	0.45	0.847	O	|	|	|	|	2.07
57.500	0.00	0.45	0.844	O	|	|	|	|	2.07
57.583	0.00	0.45	0.841	O	|	|	|	|	2.06
57.667	0.00	0.45	0.837	O	|	|	|	|	2.06
57.750	0.00	0.45	0.834	O	|	|	|	|	2.05
57.833	0.00	0.44	0.831	O	|	|	|	|	2.04
57.917	0.00	0.44	0.828	O	|	|	|	|	2.04
58.000	0.00	0.44	0.825	O	|	|	|	|	2.03
58.083	0.00	0.44	0.822	O	|	|	|	|	2.02
58.167	0.00	0.44	0.819	O	|	|	|	|	2.02
58.250	0.00	0.44	0.816	O	|	|	|	|	2.01
58.333	0.00	0.44	0.813	O	|	|	|	|	2.01
58.417	0.00	0.44	0.810	O	|	|	|	|	2.00
58.500	0.00	0.44	0.807	O	|	|	|	|	1.99
58.583	0.00	0.44	0.804	O	|	|	|	|	1.99
58.667	0.00	0.44	0.801	O	|	|	|	|	1.98
58.750	0.00	0.44	0.798	O	|	|	|	|	1.97
58.833	0.00	0.43	0.795	O	|	|	|	|	1.96
58.917	0.00	0.43	0.792	O	|	|	|	|	1.96
59.000	0.00	0.43	0.789	O	|	|	|	|	1.95
59.083	0.00	0.43	0.786	O	|	|	|	|	1.94
59.167	0.00	0.43	0.783	O	|	|	|	|	1.94
59.250	0.00	0.43	0.780	O	|	|	|	|	1.93
59.333	0.00	0.43	0.777	O	|	|	|	|	1.92
59.417	0.00	0.43	0.774	O	|	|	|	|	1.92
59.500	0.00	0.43	0.771	O	|	|	|	|	1.91
59.583	0.00	0.43	0.768	O	|	|	|	|	1.90
59.667	0.00	0.42	0.765	O	|	|	|	|	1.90
59.750	0.00	0.42	0.762	O	|	|	|	|	1.89
59.833	0.00	0.42	0.760	O	|	|	|	|	1.88
59.917	0.00	0.42	0.757	O	|	|	|	|	1.88
60.000	0.00	0.42	0.754	O	|	|	|	|	1.87
60.083	0.00	0.42	0.751	O	|	|	|	|	1.86
60.167	0.00	0.42	0.748	O	|	|	|	|	1.86
60.250	0.00	0.42	0.745	O	|	|	|	|	1.85
60.333	0.00	0.42	0.742	O	|	|	|	|	1.84
60.417	0.00	0.42	0.739	O	|	|	|	|	1.84
60.500	0.00	0.41	0.736	O	|	|	|	|	1.83
60.583	0.00	0.41	0.734	O	|	|	|	|	1.82
60.667	0.00	0.41	0.731	O	|	|	|	|	1.82
60.750	0.00	0.41	0.728	O	|	|	|	|	1.81
60.833	0.00	0.41	0.725	O	|	|	|	|	1.80
60.917	0.00	0.41	0.722	O	|	|	|	|	1.80
61.000	0.00	0.41	0.719	O	|	|	|	|	1.79
61.083	0.00	0.41	0.717	O	|	|	|	|	1.78
61.167	0.00	0.41	0.714	O	|	|	|	|	1.78
61.250	0.00	0.41	0.711	O	|	|	|	|	1.77
61.333	0.00	0.40	0.708	O	|	|	|	|	1.76
61.417	0.00	0.40	0.705	O	|	|	|	|	1.76
61.500	0.00	0.40	0.703	O	|	|	|	|	1.75

61.583	0.00	0.40	0.700	O	|	|	|	|	1.74
61.667	0.00	0.40	0.697	O	|	|	|	|	1.74
61.750	0.00	0.40	0.694	O	|	|	|	|	1.73
61.833	0.00	0.40	0.692	O	|	|	|	|	1.72
61.917	0.00	0.40	0.689	O	|	|	|	|	1.72
62.000	0.00	0.40	0.686	O	|	|	|	|	1.71
62.083	0.00	0.40	0.683	O	|	|	|	|	1.71
62.167	0.00	0.39	0.681	O	|	|	|	|	1.70
62.250	0.00	0.39	0.678	O	|	|	|	|	1.69
62.333	0.00	0.39	0.675	O	|	|	|	|	1.69
62.417	0.00	0.39	0.673	O	|	|	|	|	1.68
62.500	0.00	0.39	0.670	O	|	|	|	|	1.67
62.583	0.00	0.39	0.667	O	|	|	|	|	1.67
62.667	0.00	0.39	0.665	O	|	|	|	|	1.66
62.750	0.00	0.39	0.662	O	|	|	|	|	1.66
62.833	0.00	0.39	0.659	O	|	|	|	|	1.65
62.917	0.00	0.39	0.657	O	|	|	|	|	1.64
63.000	0.00	0.39	0.654	O	|	|	|	|	1.64
63.083	0.00	0.38	0.651	O	|	|	|	|	1.63
63.167	0.00	0.38	0.649	O	|	|	|	|	1.62
63.250	0.00	0.38	0.646	O	|	|	|	|	1.62
63.333	0.00	0.38	0.643	O	|	|	|	|	1.61
63.417	0.00	0.38	0.641	O	|	|	|	|	1.61
63.500	0.00	0.38	0.638	O	|	|	|	|	1.60
63.583	0.00	0.38	0.635	O	|	|	|	|	1.59
63.667	0.00	0.38	0.633	O	|	|	|	|	1.59
63.750	0.00	0.38	0.630	O	|	|	|	|	1.58
63.833	0.00	0.38	0.628	O	|	|	|	|	1.58
63.917	0.00	0.38	0.625	O	|	|	|	|	1.57
64.000	0.00	0.37	0.622	O	|	|	|	|	1.56
64.083	0.00	0.37	0.620	O	|	|	|	|	1.56
64.167	0.00	0.37	0.617	O	|	|	|	|	1.55
64.250	0.00	0.37	0.615	O	|	|	|	|	1.55
64.333	0.00	0.37	0.612	O	|	|	|	|	1.54
64.417	0.00	0.37	0.610	O	|	|	|	|	1.53
64.500	0.00	0.37	0.607	O	|	|	|	|	1.53
64.583	0.00	0.37	0.605	O	|	|	|	|	1.52
64.667	0.00	0.37	0.602	O	|	|	|	|	1.52
64.750	0.00	0.37	0.599	O	|	|	|	|	1.51
64.833	0.00	0.37	0.597	O	|	|	|	|	1.50
64.917	0.00	0.36	0.594	O	|	|	|	|	1.50
65.000	0.00	0.36	0.592	O	|	|	|	|	1.49
65.083	0.00	0.36	0.589	O	|	|	|	|	1.49
65.167	0.00	0.36	0.587	O	|	|	|	|	1.48
65.250	0.00	0.36	0.584	O	|	|	|	|	1.48
65.333	0.00	0.36	0.582	O	|	|	|	|	1.47
65.417	0.00	0.36	0.579	O	|	|	|	|	1.46
65.500	0.00	0.36	0.577	O	|	|	|	|	1.46
65.583	0.00	0.36	0.575	O	|	|	|	|	1.45
65.667	0.00	0.36	0.572	O	|	|	|	|	1.45
65.750	0.00	0.36	0.570	O	|	|	|	|	1.44
65.833	0.00	0.36	0.567	O	|	|	|	|	1.44
65.917	0.00	0.35	0.565	O	|	|	|	|	1.43
66.000	0.00	0.35	0.562	O	|	|	|	|	1.42
66.083	0.00	0.35	0.560	O	|	|	|	|	1.42
66.167	0.00	0.35	0.557	O	|	|	|	|	1.41
66.250	0.00	0.35	0.555	O	|	|	|	|	1.41
66.333	0.00	0.35	0.553	O	|	|	|	|	1.40
66.417	0.00	0.35	0.550	O	|	|	|	|	1.40
66.500	0.00	0.35	0.548	O	|	|	|	|	1.39
66.583	0.00	0.35	0.545	O	|	|	|	|	1.38
66.667	0.00	0.35	0.543	O	|	|	|	|	1.38
66.750	0.00	0.35	0.541	O	|	|	|	|	1.37
66.833	0.00	0.35	0.538	O	|	|	|	|	1.37
66.917	0.00	0.34	0.536	O	|	|	|	|	1.36
67.000	0.00	0.34	0.533	O	|	|	|	|	1.36
67.083	0.00	0.34	0.531	O	|	|	|	|	1.35

67.167	0.00	0.34	0.529	O	|	|	|	1.35
67.250	0.00	0.34	0.526	O	|	|	|	1.34
67.333	0.00	0.34	0.524	O	|	|	|	1.34
67.417	0.00	0.34	0.522	O	|	|	|	1.33
67.500	0.00	0.34	0.519	O	|	|	|	1.32
67.583	0.00	0.34	0.517	O	|	|	|	1.32
67.667	0.00	0.34	0.515	O	|	|	|	1.31
67.750	0.00	0.34	0.512	O	|	|	|	1.31
67.833	0.00	0.34	0.510	O	|	|	|	1.30
67.917	0.00	0.33	0.508	O	|	|	|	1.30
68.000	0.00	0.33	0.506	O	|	|	|	1.29
68.083	0.00	0.33	0.503	O	|	|	|	1.29
68.167	0.00	0.33	0.501	O	|	|	|	1.28
68.250	0.00	0.33	0.499	O	|	|	|	1.28
68.333	0.00	0.33	0.496	O	|	|	|	1.27
68.417	0.00	0.33	0.494	O	|	|	|	1.27
68.500	0.00	0.33	0.492	O	|	|	|	1.26
68.583	0.00	0.33	0.490	O	|	|	|	1.25
68.667	0.00	0.33	0.487	O	|	|	|	1.25
68.750	0.00	0.33	0.485	O	|	|	|	1.24
68.833	0.00	0.33	0.483	O	|	|	|	1.24
68.917	0.00	0.33	0.481	O	|	|	|	1.23
69.000	0.00	0.32	0.478	O	|	|	|	1.23
69.083	0.00	0.32	0.476	O	|	|	|	1.22
69.167	0.00	0.32	0.474	O	|	|	|	1.22
69.250	0.00	0.32	0.472	O	|	|	|	1.21
69.333	0.00	0.32	0.469	O	|	|	|	1.21
69.417	0.00	0.32	0.467	O	|	|	|	1.20
69.500	0.00	0.32	0.465	O	|	|	|	1.20
69.583	0.00	0.32	0.463	O	|	|	|	1.19
69.667	0.00	0.32	0.461	O	|	|	|	1.19
69.750	0.00	0.32	0.458	O	|	|	|	1.18
69.833	0.00	0.32	0.456	O	|	|	|	1.18
69.917	0.00	0.32	0.454	O	|	|	|	1.17
70.000	0.00	0.32	0.452	O	|	|	|	1.17
70.083	0.00	0.31	0.450	O	|	|	|	1.16
70.167	0.00	0.31	0.448	O	|	|	|	1.16
70.250	0.00	0.31	0.445	O	|	|	|	1.15
70.333	0.00	0.31	0.443	O	|	|	|	1.15
70.417	0.00	0.31	0.441	O	|	|	|	1.14
70.500	0.00	0.31	0.439	O	|	|	|	1.14
70.583	0.00	0.31	0.437	O	|	|	|	1.13
70.667	0.00	0.31	0.435	O	|	|	|	1.13
70.750	0.00	0.31	0.433	O	|	|	|	1.12
70.833	0.00	0.31	0.430	O	|	|	|	1.12
70.917	0.00	0.31	0.428	O	|	|	|	1.11
71.000	0.00	0.31	0.426	O	|	|	|	1.11
71.083	0.00	0.31	0.424	O	|	|	|	1.10
71.167	0.00	0.30	0.422	O	|	|	|	1.10
71.250	0.00	0.30	0.420	O	|	|	|	1.09
71.333	0.00	0.30	0.418	O	|	|	|	1.09
71.417	0.00	0.30	0.416	O	|	|	|	1.08
71.500	0.00	0.30	0.414	O	|	|	|	1.08
71.583	0.00	0.30	0.412	O	|	|	|	1.07
71.667	0.00	0.30	0.410	O	|	|	|	1.07
71.750	0.00	0.30	0.407	O	|	|	|	1.06
71.833	0.00	0.30	0.405	O	|	|	|	1.06
71.917	0.00	0.30	0.403	O	|	|	|	1.05
72.000	0.00	0.30	0.401	O	|	|	|	1.05
72.083	0.00	0.30	0.399	O	|	|	|	1.04
72.167	0.00	0.30	0.397	O	|	|	|	1.04
72.250	0.00	0.30	0.395	O	|	|	|	1.04
72.333	0.00	0.29	0.393	O	|	|	|	1.03
72.417	0.00	0.29	0.391	O	|	|	|	1.03
72.500	0.00	0.29	0.389	O	|	|	|	1.02
72.583	0.00	0.29	0.387	O	|	|	|	1.02
72.667	0.00	0.29	0.385	O	|	|	|	1.01

72.750	0.00	0.29	0.383	O	|	|	|	1.01
72.833	0.00	0.29	0.381	O	|	|	|	1.00
72.917	0.00	0.29	0.379	O	|	|	|	1.00
73.000	0.00	0.29	0.377	O	|	|	|	0.99
73.083	0.00	0.29	0.375	O	|	|	|	0.99
73.167	0.00	0.28	0.373	O	|	|	|	0.98
73.250	0.00	0.28	0.371	O	|	|	|	0.98
73.333	0.00	0.28	0.369	O	|	|	|	0.97
73.417	0.00	0.28	0.367	O	|	|	|	0.97
73.500	0.00	0.28	0.365	O	|	|	|	0.96
73.583	0.00	0.28	0.363	O	|	|	|	0.96
73.667	0.00	0.28	0.362	O	|	|	|	0.95
73.750	0.00	0.27	0.360	O	|	|	|	0.95
73.833	0.00	0.27	0.358	O	|	|	|	0.94
73.917	0.00	0.27	0.356	O	|	|	|	0.94
74.000	0.00	0.27	0.354	O	|	|	|	0.93
74.083	0.00	0.27	0.352	O	|	|	|	0.93
74.167	0.00	0.27	0.350	O	|	|	|	0.92
74.250	0.00	0.27	0.348	O	|	|	|	0.92
74.333	0.00	0.26	0.347	O	|	|	|	0.91
74.417	0.00	0.26	0.345	O	|	|	|	0.91
74.500	0.00	0.26	0.343	O	|	|	|	0.90
74.583	0.00	0.26	0.341	O	|	|	|	0.90
74.667	0.00	0.26	0.339	O	|	|	|	0.89
74.750	0.00	0.26	0.338	O	|	|	|	0.89
74.833	0.00	0.26	0.336	O	|	|	|	0.88
74.917	0.00	0.25	0.334	O	|	|	|	0.88
75.000	0.00	0.25	0.332	O	|	|	|	0.87
75.083	0.00	0.25	0.331	O	|	|	|	0.87
75.167	0.00	0.25	0.329	O	|	|	|	0.87
75.250	0.00	0.25	0.327	O	|	|	|	0.86
75.333	0.00	0.25	0.325	O	|	|	|	0.86
75.417	0.00	0.25	0.324	O	|	|	|	0.85
75.500	0.00	0.25	0.322	O	|	|	|	0.85
75.583	0.00	0.24	0.320	O	|	|	|	0.84
75.667	0.00	0.24	0.319	O	|	|	|	0.84
75.750	0.00	0.24	0.317	O	|	|	|	0.83
75.833	0.00	0.24	0.315	O	|	|	|	0.83
75.917	0.00	0.24	0.314	O	|	|	|	0.83
76.000	0.00	0.24	0.312	O	|	|	|	0.82
76.083	0.00	0.24	0.310	O	|	|	|	0.82
76.167	0.00	0.24	0.309	O	|	|	|	0.81
76.250	0.00	0.23	0.307	O	|	|	|	0.81
76.333	0.00	0.23	0.306	O	|	|	|	0.80
76.417	0.00	0.23	0.304	O	|	|	|	0.80
76.500	0.00	0.23	0.302	O	|	|	|	0.80
76.583	0.00	0.23	0.301	O	|	|	|	0.79
76.667	0.00	0.23	0.299	O	|	|	|	0.79
76.750	0.00	0.23	0.298	O	|	|	|	0.78
76.833	0.00	0.23	0.296	O	|	|	|	0.78
76.917	0.00	0.22	0.295	O	|	|	|	0.78
77.000	0.00	0.22	0.293	O	|	|	|	0.77
77.083	0.00	0.22	0.291	O	|	|	|	0.77
77.167	0.00	0.22	0.290	O	|	|	|	0.76
77.250	0.00	0.22	0.288	O	|	|	|	0.76
77.333	0.00	0.22	0.287	O	|	|	|	0.75
77.417	0.00	0.22	0.285	O	|	|	|	0.75
77.500	0.00	0.22	0.284	O	|	|	|	0.75
77.583	0.00	0.22	0.282	O	|	|	|	0.74
77.667	0.00	0.21	0.281	O	|	|	|	0.74
77.750	0.00	0.21	0.279	O	|	|	|	0.74
77.833	0.00	0.21	0.278	O	|	|	|	0.73
77.917	0.00	0.21	0.277	O	|	|	|	0.73
78.000	0.00	0.21	0.275	O	|	|	|	0.72
78.083	0.00	0.21	0.274	O	|	|	|	0.72
78.167	0.00	0.21	0.272	O	|	|	|	0.72
78.250	0.00	0.21	0.271	O	|	|	|	0.71

78.333	0.00	0.21	0.269	O	|	|	|	0.71
78.417	0.00	0.20	0.268	O	|	|	|	0.71
78.500	0.00	0.20	0.267	O	|	|	|	0.70
78.583	0.00	0.20	0.265	O	|	|	|	0.70
78.667	0.00	0.20	0.264	O	|	|	|	0.69
78.750	0.00	0.20	0.262	O	|	|	|	0.69
78.833	0.00	0.20	0.261	O	|	|	|	0.69
78.917	0.00	0.20	0.260	O	|	|	|	0.68
79.000	0.00	0.20	0.258	O	|	|	|	0.68
79.083	0.00	0.20	0.257	O	|	|	|	0.68
79.167	0.00	0.20	0.256	O	|	|	|	0.67
79.250	0.00	0.19	0.254	O	|	|	|	0.67
79.333	0.00	0.19	0.253	O	|	|	|	0.67
79.417	0.00	0.19	0.252	O	|	|	|	0.66
79.500	0.00	0.19	0.250	O	|	|	|	0.66
79.583	0.00	0.19	0.249	O	|	|	|	0.66
79.667	0.00	0.19	0.248	O	|	|	|	0.65
79.750	0.00	0.19	0.246	O	|	|	|	0.65
79.833	0.00	0.19	0.245	O	|	|	|	0.64
79.917	0.00	0.19	0.244	O	|	|	|	0.64
80.000	0.00	0.19	0.242	O	|	|	|	0.64
80.083	0.00	0.18	0.241	O	|	|	|	0.63
80.167	0.00	0.18	0.240	O	|	|	|	0.63
80.250	0.00	0.18	0.239	O	|	|	|	0.63
80.333	0.00	0.18	0.237	O	|	|	|	0.62
80.417	0.00	0.18	0.236	O	|	|	|	0.62
80.500	0.00	0.18	0.235	O	|	|	|	0.62
80.583	0.00	0.18	0.234	O	|	|	|	0.62
80.667	0.00	0.18	0.232	O	|	|	|	0.61
80.750	0.00	0.18	0.231	O	|	|	|	0.61
80.833	0.00	0.18	0.230	O	|	|	|	0.61
80.917	0.00	0.17	0.229	O	|	|	|	0.60
81.000	0.00	0.17	0.228	O	|	|	|	0.60
81.083	0.00	0.17	0.226	O	|	|	|	0.60
81.167	0.00	0.17	0.225	O	|	|	|	0.59
81.250	0.00	0.17	0.224	O	|	|	|	0.59
81.333	0.00	0.17	0.223	O	|	|	|	0.59
81.417	0.00	0.17	0.222	O	|	|	|	0.58
81.500	0.00	0.17	0.221	O	|	|	|	0.58
81.583	0.00	0.17	0.219	O	|	|	|	0.58
81.667	0.00	0.17	0.218	O	|	|	|	0.57
81.750	0.00	0.17	0.217	O	|	|	|	0.57
81.833	0.00	0.16	0.216	O	|	|	|	0.57
81.917	0.00	0.16	0.215	O	|	|	|	0.57
82.000	0.00	0.16	0.214	O	|	|	|	0.56
82.083	0.00	0.16	0.213	O	|	|	|	0.56
82.167	0.00	0.16	0.212	O	|	|	|	0.56
82.250	0.00	0.16	0.210	O	|	|	|	0.55
82.333	0.00	0.16	0.209	O	|	|	|	0.55
82.417	0.00	0.16	0.208	O	|	|	|	0.55
82.500	0.00	0.16	0.207	O	|	|	|	0.55
82.583	0.00	0.16	0.206	O	|	|	|	0.54
82.667	0.00	0.16	0.205	O	|	|	|	0.54
82.750	0.00	0.16	0.204	O	|	|	|	0.54
82.833	0.00	0.15	0.203	O	|	|	|	0.53
82.917	0.00	0.15	0.202	O	|	|	|	0.53
83.000	0.00	0.15	0.201	O	|	|	|	0.53
83.083	0.00	0.15	0.200	O	|	|	|	0.53
83.167	0.00	0.15	0.199	O	|	|	|	0.52
83.250	0.00	0.15	0.198	O	|	|	|	0.52
83.333	0.00	0.15	0.197	O	|	|	|	0.52
83.417	0.00	0.15	0.195	O	|	|	|	0.51
83.500	0.00	0.15	0.194	O	|	|	|	0.51
83.583	0.00	0.15	0.193	O	|	|	|	0.51
83.667	0.00	0.15	0.192	O	|	|	|	0.51
83.750	0.00	0.15	0.191	O	|	|	|	0.50
83.833	0.00	0.15	0.190	O	|	|	|	0.50

83.917	0.00	0.14	0.189	O	|	|	|	0.50
84.000	0.00	0.14	0.188	O	|	|	|	0.50
84.083	0.00	0.14	0.187	O	|	|	|	0.49
84.167	0.00	0.14	0.186	O	|	|	|	0.49
84.250	0.00	0.14	0.185	O	|	|	|	0.49
84.333	0.00	0.14	0.184	O	|	|	|	0.49
84.417	0.00	0.14	0.184	O	|	|	|	0.48
84.500	0.00	0.14	0.183	O	|	|	|	0.48
84.583	0.00	0.14	0.182	O	|	|	|	0.48
84.667	0.00	0.14	0.181	O	|	|	|	0.48
84.750	0.00	0.14	0.180	O	|	|	|	0.47
84.833	0.00	0.14	0.179	O	|	|	|	0.47
84.917	0.00	0.14	0.178	O	|	|	|	0.47
85.000	0.00	0.14	0.177	O	|	|	|	0.47
85.083	0.00	0.13	0.176	O	|	|	|	0.46
85.167	0.00	0.13	0.175	O	|	|	|	0.46
85.250	0.00	0.13	0.174	O	|	|	|	0.46
85.333	0.00	0.13	0.173	O	|	|	|	0.46
85.417	0.00	0.13	0.172	O	|	|	|	0.45
85.500	0.00	0.13	0.171	O	|	|	|	0.45
85.583	0.00	0.13	0.171	O	|	|	|	0.45
85.667	0.00	0.13	0.170	O	|	|	|	0.45
85.750	0.00	0.13	0.169	O	|	|	|	0.44
85.833	0.00	0.13	0.168	O	|	|	|	0.44
85.917	0.00	0.13	0.167	O	|	|	|	0.44
86.000	0.00	0.13	0.166	O	|	|	|	0.44
86.083	0.00	0.13	0.165	O	|	|	|	0.43
86.167	0.00	0.13	0.164	O	|	|	|	0.43
86.250	0.00	0.12	0.163	O	|	|	|	0.43
86.333	0.00	0.12	0.163	O	|	|	|	0.43
86.417	0.00	0.12	0.162	O	|	|	|	0.43
86.500	0.00	0.12	0.161	O	|	|	|	0.42
86.583	0.00	0.12	0.160	O	|	|	|	0.42
86.667	0.00	0.12	0.159	O	|	|	|	0.42
86.750	0.00	0.12	0.158	O	|	|	|	0.42
86.833	0.00	0.12	0.158	O	|	|	|	0.41
86.917	0.00	0.12	0.157	O	|	|	|	0.41
87.000	0.00	0.12	0.156	O	|	|	|	0.41
87.083	0.00	0.12	0.155	O	|	|	|	0.41
87.167	0.00	0.12	0.154	O	|	|	|	0.41
87.250	0.00	0.12	0.153	O	|	|	|	0.40
87.333	0.00	0.12	0.153	O	|	|	|	0.40
87.417	0.00	0.12	0.152	O	|	|	|	0.40
87.500	0.00	0.12	0.151	O	|	|	|	0.40
87.583	0.00	0.11	0.150	O	|	|	|	0.40
87.667	0.00	0.11	0.150	O	|	|	|	0.39
87.750	0.00	0.11	0.149	O	|	|	|	0.39
87.833	0.00	0.11	0.148	O	|	|	|	0.39
87.917	0.00	0.11	0.147	O	|	|	|	0.39
88.000	0.00	0.11	0.146	O	|	|	|	0.39
88.083	0.00	0.11	0.146	O	|	|	|	0.38
88.167	0.00	0.11	0.145	O	|	|	|	0.38
88.250	0.00	0.11	0.144	O	|	|	|	0.38
88.333	0.00	0.11	0.143	O	|	|	|	0.38
88.417	0.00	0.11	0.143	O	|	|	|	0.38
88.500	0.00	0.11	0.142	O	|	|	|	0.37
88.583	0.00	0.11	0.141	O	|	|	|	0.37
88.667	0.00	0.11	0.140	O	|	|	|	0.37
88.750	0.00	0.11	0.140	O	|	|	|	0.37
88.833	0.00	0.11	0.139	O	|	|	|	0.37
88.917	0.00	0.11	0.138	O	|	|	|	0.36
89.000	0.00	0.10	0.137	O	|	|	|	0.36
89.083	0.00	0.10	0.137	O	|	|	|	0.36
89.167	0.00	0.10	0.136	O	|	|	|	0.36
89.250	0.00	0.10	0.135	O	|	|	|	0.36
89.333	0.00	0.10	0.135	O	|	|	|	0.35
89.417	0.00	0.10	0.134	O	|	|	|	0.35

89.500	0.00	0.10	0.133	O	|	|	|	|	0.35
89.583	0.00	0.10	0.132	O	|	|	|	|	0.35
89.667	0.00	0.10	0.132	O	|	|	|	|	0.35
89.750	0.00	0.10	0.131	O	|	|	|	|	0.35
89.833	0.00	0.10	0.130	O	|	|	|	|	0.34
89.917	0.00	0.10	0.130	O	|	|	|	|	0.34
90.000	0.00	0.10	0.129	O	|	|	|	|	0.34
90.083	0.00	0.10	0.128	O	|	|	|	|	0.34
90.167	0.00	0.10	0.128	O	|	|	|	|	0.34
90.250	0.00	0.10	0.127	O	|	|	|	|	0.33
90.333	0.00	0.10	0.126	O	|	|	|	|	0.33
90.417	0.00	0.10	0.126	O	|	|	|	|	0.33
90.500	0.00	0.10	0.125	O	|	|	|	|	0.33
90.583	0.00	0.09	0.124	O	|	|	|	|	0.33
90.667	0.00	0.09	0.124	O	|	|	|	|	0.33
90.750	0.00	0.09	0.123	O	|	|	|	|	0.32
90.833	0.00	0.09	0.122	O	|	|	|	|	0.32
90.917	0.00	0.09	0.122	O	|	|	|	|	0.32
91.000	0.00	0.09	0.121	O	|	|	|	|	0.32
91.083	0.00	0.09	0.121	O	|	|	|	|	0.32
91.167	0.00	0.09	0.120	O	|	|	|	|	0.32
91.250	0.00	0.09	0.119	O	|	|	|	|	0.31
91.333	0.00	0.09	0.119	O	|	|	|	|	0.31
91.417	0.00	0.09	0.118	O	|	|	|	|	0.31
91.500	0.00	0.09	0.117	O	|	|	|	|	0.31
91.583	0.00	0.09	0.117	O	|	|	|	|	0.31
91.667	0.00	0.09	0.116	O	|	|	|	|	0.31
91.750	0.00	0.09	0.116	O	|	|	|	|	0.30
91.833	0.00	0.09	0.115	O	|	|	|	|	0.30
91.917	0.00	0.09	0.114	O	|	|	|	|	0.30
92.000	0.00	0.09	0.114	O	|	|	|	|	0.30
92.083	0.00	0.09	0.113	O	|	|	|	|	0.30
92.167	0.00	0.09	0.113	O	|	|	|	|	0.30
92.250	0.00	0.09	0.112	O	|	|	|	|	0.29
92.333	0.00	0.09	0.111	O	|	|	|	|	0.29
92.417	0.00	0.08	0.111	O	|	|	|	|	0.29
92.500	0.00	0.08	0.110	O	|	|	|	|	0.29
92.583	0.00	0.08	0.110	O	|	|	|	|	0.29
92.667	0.00	0.08	0.109	O	|	|	|	|	0.29
92.750	0.00	0.08	0.109	O	|	|	|	|	0.29
92.833	0.00	0.08	0.108	O	|	|	|	|	0.28
92.917	0.00	0.08	0.107	O	|	|	|	|	0.28
93.000	0.00	0.08	0.107	O	|	|	|	|	0.28
93.083	0.00	0.08	0.106	O	|	|	|	|	0.28
93.167	0.00	0.08	0.106	O	|	|	|	|	0.28
93.250	0.00	0.08	0.105	O	|	|	|	|	0.28
93.333	0.00	0.08	0.105	O	|	|	|	|	0.28
93.417	0.00	0.08	0.104	O	|	|	|	|	0.27
93.500	0.00	0.08	0.103	O	|	|	|	|	0.27
93.583	0.00	0.08	0.103	O	|	|	|	|	0.27
93.667	0.00	0.08	0.102	O	|	|	|	|	0.27
93.750	0.00	0.08	0.102	O	|	|	|	|	0.27
93.833	0.00	0.08	0.101	O	|	|	|	|	0.27
93.917	0.00	0.08	0.101	O	|	|	|	|	0.27
94.000	0.00	0.08	0.100	O	|	|	|	|	0.26
94.083	0.00	0.08	0.100	O	|	|	|	|	0.26
94.167	0.00	0.08	0.099	O	|	|	|	|	0.26
94.250	0.00	0.08	0.099	O	|	|	|	|	0.26
94.333	0.00	0.07	0.098	O	|	|	|	|	0.26
94.417	0.00	0.07	0.098	O	|	|	|	|	0.26
94.500	0.00	0.07	0.097	O	|	|	|	|	0.26
94.583	0.00	0.07	0.097	O	|	|	|	|	0.25
94.667	0.00	0.07	0.096	O	|	|	|	|	0.25
94.750	0.00	0.07	0.096	O	|	|	|	|	0.25
94.833	0.00	0.07	0.095	O	|	|	|	|	0.25
94.917	0.00	0.07	0.095	O	|	|	|	|	0.25
95.000	0.00	0.07	0.094	O	|	|	|	|	0.25

95.083	0.00	0.07	0.094	O	|	|	|	0.25
95.167	0.00	0.07	0.093	O	|	|	|	0.25
95.250	0.00	0.07	0.093	O	|	|	|	0.24
95.333	0.00	0.07	0.092	O	|	|	|	0.24
95.417	0.00	0.07	0.092	O	|	|	|	0.24
95.500	0.00	0.07	0.091	O	|	|	|	0.24
95.583	0.00	0.07	0.091	O	|	|	|	0.24
95.667	0.00	0.07	0.090	O	|	|	|	0.24
95.750	0.00	0.07	0.090	O	|	|	|	0.24
95.833	0.00	0.07	0.089	O	|	|	|	0.24
95.917	0.00	0.07	0.089	O	|	|	|	0.23
96.000	0.00	0.07	0.088	O	|	|	|	0.23
96.083	0.00	0.07	0.088	O	|	|	|	0.23
96.167	0.00	0.07	0.087	O	|	|	|	0.23
96.250	0.00	0.07	0.087	O	|	|	|	0.23
96.333	0.00	0.07	0.087	O	|	|	|	0.23
96.417	0.00	0.07	0.086	O	|	|	|	0.23
96.500	0.00	0.07	0.086	O	|	|	|	0.23
96.583	0.00	0.07	0.085	O	|	|	|	0.22
96.667	0.00	0.06	0.085	O	|	|	|	0.22
96.750	0.00	0.06	0.084	O	|	|	|	0.22
96.833	0.00	0.06	0.084	O	|	|	|	0.22
96.917	0.00	0.06	0.083	O	|	|	|	0.22
97.000	0.00	0.06	0.083	O	|	|	|	0.22
97.083	0.00	0.06	0.083	O	|	|	|	0.22
97.167	0.00	0.06	0.082	O	|	|	|	0.22
97.250	0.00	0.06	0.082	O	|	|	|	0.21
97.333	0.00	0.06	0.081	O	|	|	|	0.21
97.417	0.00	0.06	0.081	O	|	|	|	0.21
97.500	0.00	0.06	0.080	O	|	|	|	0.21
97.583	0.00	0.06	0.080	O	|	|	|	0.21
97.667	0.00	0.06	0.080	O	|	|	|	0.21
97.750	0.00	0.06	0.079	O	|	|	|	0.21
97.833	0.00	0.06	0.079	O	|	|	|	0.21
97.917	0.00	0.06	0.078	O	|	|	|	0.21
98.000	0.00	0.06	0.078	O	|	|	|	0.21
98.083	0.00	0.06	0.078	O	|	|	|	0.20
98.167	0.00	0.06	0.077	O	|	|	|	0.20
98.250	0.00	0.06	0.077	O	|	|	|	0.20
98.333	0.00	0.06	0.076	O	|	|	|	0.20
98.417	0.00	0.06	0.076	O	|	|	|	0.20
98.500	0.00	0.06	0.075	O	|	|	|	0.20
98.583	0.00	0.06	0.075	O	|	|	|	0.20
98.667	0.00	0.06	0.075	O	|	|	|	0.20
98.750	0.00	0.06	0.074	O	|	|	|	0.20
98.833	0.00	0.06	0.074	O	|	|	|	0.19
98.917	0.00	0.06	0.074	O	|	|	|	0.19
99.000	0.00	0.06	0.073	O	|	|	|	0.19
99.083	0.00	0.06	0.073	O	|	|	|	0.19
99.167	0.00	0.06	0.072	O	|	|	|	0.19
99.250	0.00	0.05	0.072	O	|	|	|	0.19
99.333	0.00	0.05	0.072	O	|	|	|	0.19
99.417	0.00	0.05	0.071	O	|	|	|	0.19
99.500	0.00	0.05	0.071	O	|	|	|	0.19
99.583	0.00	0.05	0.071	O	|	|	|	0.19
99.667	0.00	0.05	0.070	O	|	|	|	0.18
99.750	0.00	0.05	0.070	O	|	|	|	0.18
99.833	0.00	0.05	0.069	O	|	|	|	0.18
99.917	0.00	0.05	0.069	O	|	|	|	0.18
100.000	0.00	0.05	0.069	O	|	|	|	0.18
100.083	0.00	0.05	0.068	O	|	|	|	0.18
100.167	0.00	0.05	0.068	O	|	|	|	0.18
100.250	0.00	0.05	0.068	O	|	|	|	0.18
100.333	0.00	0.05	0.067	O	|	|	|	0.18
100.417	0.00	0.05	0.067	O	|	|	|	0.18
100.500	0.00	0.05	0.067	O	|	|	|	0.18
100.583	0.00	0.05	0.066	O	|	|	|	0.17

100.667	0.00	0.05	0.066	O	|	|	|	0.17
100.750	0.00	0.05	0.066	O	|	|	|	0.17
100.833	0.00	0.05	0.065	O	|	|	|	0.17
100.917	0.00	0.05	0.065	O	|	|	|	0.17
101.000	0.00	0.05	0.064	O	|	|	|	0.17
101.083	0.00	0.05	0.064	O	|	|	|	0.17
101.167	0.00	0.05	0.064	O	|	|	|	0.17
101.250	0.00	0.05	0.063	O	|	|	|	0.17
101.333	0.00	0.05	0.063	O	|	|	|	0.17
101.417	0.00	0.05	0.063	O	|	|	|	0.17
101.500	0.00	0.05	0.062	O	|	|	|	0.16
101.583	0.00	0.05	0.062	O	|	|	|	0.16
101.667	0.00	0.05	0.062	O	|	|	|	0.16
101.750	0.00	0.05	0.062	O	|	|	|	0.16
101.833	0.00	0.05	0.061	O	|	|	|	0.16
101.917	0.00	0.05	0.061	O	|	|	|	0.16
102.000	0.00	0.05	0.061	O	|	|	|	0.16
102.083	0.00	0.05	0.060	O	|	|	|	0.16
102.167	0.00	0.05	0.060	O	|	|	|	0.16
102.250	0.00	0.05	0.060	O	|	|	|	0.16
102.333	0.00	0.05	0.059	O	|	|	|	0.16
102.417	0.00	0.05	0.059	O	|	|	|	0.16
102.500	0.00	0.04	0.059	O	|	|	|	0.15
102.583	0.00	0.04	0.058	O	|	|	|	0.15
102.667	0.00	0.04	0.058	O	|	|	|	0.15
102.750	0.00	0.04	0.058	O	|	|	|	0.15
102.833	0.00	0.04	0.057	O	|	|	|	0.15
102.917	0.00	0.04	0.057	O	|	|	|	0.15
103.000	0.00	0.04	0.057	O	|	|	|	0.15
103.083	0.00	0.04	0.057	O	|	|	|	0.15
103.167	0.00	0.04	0.056	O	|	|	|	0.15
103.250	0.00	0.04	0.056	O	|	|	|	0.15
103.333	0.00	0.04	0.056	O	|	|	|	0.15
103.417	0.00	0.04	0.055	O	|	|	|	0.15
103.500	0.00	0.04	0.055	O	|	|	|	0.14
103.583	0.00	0.04	0.055	O	|	|	|	0.14
103.667	0.00	0.04	0.055	O	|	|	|	0.14
103.750	0.00	0.04	0.054	O	|	|	|	0.14
103.833	0.00	0.04	0.054	O	|	|	|	0.14
103.917	0.00	0.04	0.054	O	|	|	|	0.14
104.000	0.00	0.04	0.053	O	|	|	|	0.14
104.083	0.00	0.04	0.053	O	|	|	|	0.14
104.167	0.00	0.04	0.053	O	|	|	|	0.14
104.250	0.00	0.04	0.053	O	|	|	|	0.14
104.333	0.00	0.04	0.052	O	|	|	|	0.14
104.417	0.00	0.04	0.052	O	|	|	|	0.14
104.500	0.00	0.04	0.052	O	|	|	|	0.14
104.583	0.00	0.04	0.051	O	|	|	|	0.14
104.667	0.00	0.04	0.051	O	|	|	|	0.13
104.750	0.00	0.04	0.051	O	|	|	|	0.13
104.833	0.00	0.04	0.051	O	|	|	|	0.13
104.917	0.00	0.04	0.050	O	|	|	|	0.13
105.000	0.00	0.04	0.050	O	|	|	|	0.13
105.083	0.00	0.04	0.050	O	|	|	|	0.13
105.167	0.00	0.04	0.050	O	|	|	|	0.13
105.250	0.00	0.04	0.049	O	|	|	|	0.13
105.333	0.00	0.04	0.049	O	|	|	|	0.13
105.417	0.00	0.04	0.049	O	|	|	|	0.13
105.500	0.00	0.04	0.049	O	|	|	|	0.13
105.583	0.00	0.04	0.048	O	|	|	|	0.13
105.667	0.00	0.04	0.048	O	|	|	|	0.13
105.750	0.00	0.04	0.048	O	|	|	|	0.13
105.833	0.00	0.04	0.048	O	|	|	|	0.13
105.917	0.00	0.04	0.047	O	|	|	|	0.12
106.000	0.00	0.04	0.047	O	|	|	|	0.12
106.083	0.00	0.04	0.047	O	|	|	|	0.12
106.167	0.00	0.04	0.047	O	|	|	|	0.12

106.250	0.00	0.04	0.046	O	|	|	|	|	0.12
106.333	0.00	0.04	0.046	O	|	|	|	|	0.12
106.417	0.00	0.03	0.046	O	|	|	|	|	0.12
106.500	0.00	0.03	0.046	O	|	|	|	|	0.12
106.583	0.00	0.03	0.045	O	|	|	|	|	0.12
106.667	0.00	0.03	0.045	O	|	|	|	|	0.12
106.750	0.00	0.03	0.045	O	|	|	|	|	0.12
106.833	0.00	0.03	0.045	O	|	|	|	|	0.12
106.917	0.00	0.03	0.044	O	|	|	|	|	0.12
107.000	0.00	0.03	0.044	O	|	|	|	|	0.12
107.083	0.00	0.03	0.044	O	|	|	|	|	0.12
107.167	0.00	0.03	0.044	O	|	|	|	|	0.12
107.250	0.00	0.03	0.043	O	|	|	|	|	0.11
107.333	0.00	0.03	0.043	O	|	|	|	|	0.11
107.417	0.00	0.03	0.043	O	|	|	|	|	0.11
107.500	0.00	0.03	0.043	O	|	|	|	|	0.11
107.583	0.00	0.03	0.043	O	|	|	|	|	0.11
107.667	0.00	0.03	0.042	O	|	|	|	|	0.11
107.750	0.00	0.03	0.042	O	|	|	|	|	0.11
107.833	0.00	0.03	0.042	O	|	|	|	|	0.11
107.917	0.00	0.03	0.042	O	|	|	|	|	0.11
108.000	0.00	0.03	0.041	O	|	|	|	|	0.11
108.083	0.00	0.03	0.041	O	|	|	|	|	0.11
108.167	0.00	0.03	0.041	O	|	|	|	|	0.11
108.250	0.00	0.03	0.041	O	|	|	|	|	0.11
108.333	0.00	0.03	0.041	O	|	|	|	|	0.11
108.417	0.00	0.03	0.040	O	|	|	|	|	0.11
108.500	0.00	0.03	0.040	O	|	|	|	|	0.11
108.583	0.00	0.03	0.040	O	|	|	|	|	0.11
108.667	0.00	0.03	0.040	O	|	|	|	|	0.10
108.750	0.00	0.03	0.040	O	|	|	|	|	0.10
108.833	0.00	0.03	0.039	O	|	|	|	|	0.10
108.917	0.00	0.03	0.039	O	|	|	|	|	0.10
109.000	0.00	0.03	0.039	O	|	|	|	|	0.10
109.083	0.00	0.03	0.039	O	|	|	|	|	0.10
109.167	0.00	0.03	0.039	O	|	|	|	|	0.10
109.250	0.00	0.03	0.038	O	|	|	|	|	0.10
109.333	0.00	0.03	0.038	O	|	|	|	|	0.10
109.417	0.00	0.03	0.038	O	|	|	|	|	0.10
109.500	0.00	0.03	0.038	O	|	|	|	|	0.10
109.583	0.00	0.03	0.038	O	|	|	|	|	0.10
109.667	0.00	0.03	0.037	O	|	|	|	|	0.10
109.750	0.00	0.03	0.037	O	|	|	|	|	0.10
109.833	0.00	0.03	0.037	O	|	|	|	|	0.10
109.917	0.00	0.03	0.037	O	|	|	|	|	0.10
110.000	0.00	0.03	0.037	O	|	|	|	|	0.10
110.083	0.00	0.03	0.036	O	|	|	|	|	0.10
110.167	0.00	0.03	0.036	O	|	|	|	|	0.10
110.250	0.00	0.03	0.036	O	|	|	|	|	0.09
110.333	0.00	0.03	0.036	O	|	|	|	|	0.09
110.417	0.00	0.03	0.036	O	|	|	|	|	0.09
110.500	0.00	0.03	0.035	O	|	|	|	|	0.09
110.583	0.00	0.03	0.035	O	|	|	|	|	0.09
110.667	0.00	0.03	0.035	O	|	|	|	|	0.09
110.750	0.00	0.03	0.035	O	|	|	|	|	0.09
110.833	0.00	0.03	0.035	O	|	|	|	|	0.09
110.917	0.00	0.03	0.035	O	|	|	|	|	0.09
111.000	0.00	0.03	0.034	O	|	|	|	|	0.09
111.083	0.00	0.03	0.034	O	|	|	|	|	0.09
111.167	0.00	0.03	0.034	O	|	|	|	|	0.09
111.250	0.00	0.03	0.034	O	|	|	|	|	0.09
111.333	0.00	0.03	0.034	O	|	|	|	|	0.09
111.417	0.00	0.03	0.033	O	|	|	|	|	0.09
111.500	0.00	0.03	0.033	O	|	|	|	|	0.09
111.583	0.00	0.03	0.033	O	|	|	|	|	0.09
111.667	0.00	0.03	0.033	O	|	|	|	|	0.09
111.750	0.00	0.02	0.033	O	|	|	|	|	0.09

111.833	0.00	0.02	0.033	O	|	|	|	|	0.09
111.917	0.00	0.02	0.032	O	|	|	|	|	0.09
112.000	0.00	0.02	0.032	O	|	|	|	|	0.08
112.083	0.00	0.02	0.032	O	|	|	|	|	0.08
112.167	0.00	0.02	0.032	O	|	|	|	|	0.08
112.250	0.00	0.02	0.032	O	|	|	|	|	0.08
112.333	0.00	0.02	0.032	O	|	|	|	|	0.08
112.417	0.00	0.02	0.031	O	|	|	|	|	0.08
112.500	0.00	0.02	0.031	O	|	|	|	|	0.08
112.583	0.00	0.02	0.031	O	|	|	|	|	0.08
112.667	0.00	0.02	0.031	O	|	|	|	|	0.08
112.750	0.00	0.02	0.031	O	|	|	|	|	0.08
112.833	0.00	0.02	0.031	O	|	|	|	|	0.08
112.917	0.00	0.02	0.030	O	|	|	|	|	0.08
113.000	0.00	0.02	0.030	O	|	|	|	|	0.08
113.083	0.00	0.02	0.030	O	|	|	|	|	0.08
113.167	0.00	0.02	0.030	O	|	|	|	|	0.08
113.250	0.00	0.02	0.030	O	|	|	|	|	0.08
113.333	0.00	0.02	0.030	O	|	|	|	|	0.08
113.417	0.00	0.02	0.029	O	|	|	|	|	0.08
113.500	0.00	0.02	0.029	O	|	|	|	|	0.08
113.583	0.00	0.02	0.029	O	|	|	|	|	0.08
113.667	0.00	0.02	0.029	O	|	|	|	|	0.08
113.750	0.00	0.02	0.029	O	|	|	|	|	0.08
113.833	0.00	0.02	0.029	O	|	|	|	|	0.08
113.917	0.00	0.02	0.029	O	|	|	|	|	0.08
114.000	0.00	0.02	0.028	O	|	|	|	|	0.07
114.083	0.00	0.02	0.028	O	|	|	|	|	0.07
114.167	0.00	0.02	0.028	O	|	|	|	|	0.07
114.250	0.00	0.02	0.028	O	|	|	|	|	0.07
114.333	0.00	0.02	0.028	O	|	|	|	|	0.07
114.417	0.00	0.02	0.028	O	|	|	|	|	0.07
114.500	0.00	0.02	0.028	O	|	|	|	|	0.07
114.583	0.00	0.02	0.027	O	|	|	|	|	0.07
114.667	0.00	0.02	0.027	O	|	|	|	|	0.07
114.750	0.00	0.02	0.027	O	|	|	|	|	0.07
114.833	0.00	0.02	0.027	O	|	|	|	|	0.07
114.917	0.00	0.02	0.027	O	|	|	|	|	0.07
115.000	0.00	0.02	0.027	O	|	|	|	|	0.07
115.083	0.00	0.02	0.027	O	|	|	|	|	0.07
115.167	0.00	0.02	0.026	O	|	|	|	|	0.07
115.250	0.00	0.02	0.026	O	|	|	|	|	0.07
115.333	0.00	0.02	0.026	O	|	|	|	|	0.07
115.417	0.00	0.02	0.026	O	|	|	|	|	0.07
115.500	0.00	0.02	0.026	O	|	|	|	|	0.07
115.583	0.00	0.02	0.026	O	|	|	|	|	0.07
115.667	0.00	0.02	0.026	O	|	|	|	|	0.07
115.750	0.00	0.02	0.025	O	|	|	|	|	0.07
115.833	0.00	0.02	0.025	O	|	|	|	|	0.07
115.917	0.00	0.02	0.025	O	|	|	|	|	0.07
116.000	0.00	0.02	0.025	O	|	|	|	|	0.07
116.083	0.00	0.02	0.025	O	|	|	|	|	0.07
116.167	0.00	0.02	0.025	O	|	|	|	|	0.07
116.250	0.00	0.02	0.025	O	|	|	|	|	0.06
116.333	0.00	0.02	0.025	O	|	|	|	|	0.06
116.417	0.00	0.02	0.024	O	|	|	|	|	0.06
116.500	0.00	0.02	0.024	O	|	|	|	|	0.06
116.583	0.00	0.02	0.024	O	|	|	|	|	0.06
116.667	0.00	0.02	0.024	O	|	|	|	|	0.06
116.750	0.00	0.02	0.024	O	|	|	|	|	0.06
116.833	0.00	0.02	0.024	O	|	|	|	|	0.06
116.917	0.00	0.02	0.024	O	|	|	|	|	0.06
117.000	0.00	0.02	0.024	O	|	|	|	|	0.06
117.083	0.00	0.02	0.023	O	|	|	|	|	0.06
117.167	0.00	0.02	0.023	O	|	|	|	|	0.06
117.250	0.00	0.02	0.023	O	|	|	|	|	0.06
117.333	0.00	0.02	0.023	O	|	|	|	|	0.06

117.417	0.00	0.02	0.023	O	|	|	|	0.06
117.500	0.00	0.02	0.023	O	|	|	|	0.06
117.583	0.00	0.02	0.023	O	|	|	|	0.06
117.667	0.00	0.02	0.023	O	|	|	|	0.06
117.750	0.00	0.02	0.022	O	|	|	|	0.06
117.833	0.00	0.02	0.022	O	|	|	|	0.06
117.917	0.00	0.02	0.022	O	|	|	|	0.06
118.000	0.00	0.02	0.022	O	|	|	|	0.06
118.083	0.00	0.02	0.022	O	|	|	|	0.06
118.167	0.00	0.02	0.022	O	|	|	|	0.06
118.250	0.00	0.02	0.022	O	|	|	|	0.06
118.333	0.00	0.02	0.022	O	|	|	|	0.06
118.417	0.00	0.02	0.021	O	|	|	|	0.06
118.500	0.00	0.02	0.021	O	|	|	|	0.06
118.583	0.00	0.02	0.021	O	|	|	|	0.06
118.667	0.00	0.02	0.021	O	|	|	|	0.06
118.750	0.00	0.02	0.021	O	|	|	|	0.06
118.833	0.00	0.02	0.021	O	|	|	|	0.06
118.917	0.00	0.02	0.021	O	|	|	|	0.05
119.000	0.00	0.02	0.021	O	|	|	|	0.05
119.083	0.00	0.02	0.021	O	|	|	|	0.05
119.167	0.00	0.02	0.021	O	|	|	|	0.05
119.250	0.00	0.02	0.020	O	|	|	|	0.05
119.333	0.00	0.02	0.020	O	|	|	|	0.05
119.417	0.00	0.02	0.020	O	|	|	|	0.05
119.500	0.00	0.02	0.020	O	|	|	|	0.05
119.583	0.00	0.02	0.020	O	|	|	|	0.05
119.667	0.00	0.02	0.020	O	|	|	|	0.05
119.750	0.00	0.02	0.020	O	|	|	|	0.05
119.833	0.00	0.02	0.020	O	|	|	|	0.05
119.917	0.00	0.01	0.020	O	|	|	|	0.05
120.000	0.00	0.01	0.019	O	|	|	|	0.05
120.083	0.00	0.01	0.019	O	|	|	|	0.05
120.167	0.00	0.01	0.019	O	|	|	|	0.05
120.250	0.00	0.01	0.019	O	|	|	|	0.05
120.333	0.00	0.01	0.019	O	|	|	|	0.05
120.417	0.00	0.01	0.019	O	|	|	|	0.05
120.500	0.00	0.01	0.019	O	|	|	|	0.05
120.583	0.00	0.01	0.019	O	|	|	|	0.05
120.667	0.00	0.01	0.019	O	|	|	|	0.05
120.750	0.00	0.01	0.019	O	|	|	|	0.05
120.833	0.00	0.01	0.018	O	|	|	|	0.05
120.917	0.00	0.01	0.018	O	|	|	|	0.05
121.000	0.00	0.01	0.018	O	|	|	|	0.05
121.083	0.00	0.01	0.018	O	|	|	|	0.05
121.167	0.00	0.01	0.018	O	|	|	|	0.05
121.250	0.00	0.01	0.018	O	|	|	|	0.05
121.333	0.00	0.01	0.018	O	|	|	|	0.05
121.417	0.00	0.01	0.018	O	|	|	|	0.05
121.500	0.00	0.01	0.018	O	|	|	|	0.05
121.583	0.00	0.01	0.018	O	|	|	|	0.05
121.667	0.00	0.01	0.018	O	|	|	|	0.05
121.750	0.00	0.01	0.017	O	|	|	|	0.05
121.833	0.00	0.01	0.017	O	|	|	|	0.05
121.917	0.00	0.01	0.017	O	|	|	|	0.05
122.000	0.00	0.01	0.017	O	|	|	|	0.05
122.083	0.00	0.01	0.017	O	|	|	|	0.04
122.167	0.00	0.01	0.017	O	|	|	|	0.04
122.250	0.00	0.01	0.017	O	|	|	|	0.04
122.333	0.00	0.01	0.017	O	|	|	|	0.04
122.417	0.00	0.01	0.017	O	|	|	|	0.04
122.500	0.00	0.01	0.017	O	|	|	|	0.04
122.583	0.00	0.01	0.017	O	|	|	|	0.04
122.667	0.00	0.01	0.016	O	|	|	|	0.04
122.750	0.00	0.01	0.016	O	|	|	|	0.04
122.833	0.00	0.01	0.016	O	|	|	|	0.04
122.917	0.00	0.01	0.016	O	|	|	|	0.04

123.000	0.00	0.01	0.016	O	|	|	|	0.04
123.083	0.00	0.01	0.016	O	|	|	|	0.04
123.167	0.00	0.01	0.016	O	|	|	|	0.04
123.250	0.00	0.01	0.016	O	|	|	|	0.04
123.333	0.00	0.01	0.016	O	|	|	|	0.04
123.417	0.00	0.01	0.016	O	|	|	|	0.04
123.500	0.00	0.01	0.016	O	|	|	|	0.04
123.583	0.00	0.01	0.016	O	|	|	|	0.04
123.667	0.00	0.01	0.015	O	|	|	|	0.04
123.750	0.00	0.01	0.015	O	|	|	|	0.04
123.833	0.00	0.01	0.015	O	|	|	|	0.04
123.917	0.00	0.01	0.015	O	|	|	|	0.04
124.000	0.00	0.01	0.015	O	|	|	|	0.04
124.083	0.00	0.01	0.015	O	|	|	|	0.04
124.167	0.00	0.01	0.015	O	|	|	|	0.04
124.250	0.00	0.01	0.015	O	|	|	|	0.04
124.333	0.00	0.01	0.015	O	|	|	|	0.04
124.417	0.00	0.01	0.015	O	|	|	|	0.04
124.500	0.00	0.01	0.015	O	|	|	|	0.04
124.583	0.00	0.01	0.015	O	|	|	|	0.04
124.667	0.00	0.01	0.014	O	|	|	|	0.04
124.750	0.00	0.01	0.014	O	|	|	|	0.04
124.833	0.00	0.01	0.014	O	|	|	|	0.04
124.917	0.00	0.01	0.014	O	|	|	|	0.04
125.000	0.00	0.01	0.014	O	|	|	|	0.04
125.083	0.00	0.01	0.014	O	|	|	|	0.04
125.167	0.00	0.01	0.014	O	|	|	|	0.04
125.250	0.00	0.01	0.014	O	|	|	|	0.04
125.333	0.00	0.01	0.014	O	|	|	|	0.04
125.417	0.00	0.01	0.014	O	|	|	|	0.04
125.500	0.00	0.01	0.014	O	|	|	|	0.04
125.583	0.00	0.01	0.014	O	|	|	|	0.04
125.667	0.00	0.01	0.014	O	|	|	|	0.04
125.750	0.00	0.01	0.014	O	|	|	|	0.04
125.833	0.00	0.01	0.013	O	|	|	|	0.04
125.917	0.00	0.01	0.013	O	|	|	|	0.04
126.000	0.00	0.01	0.013	O	|	|	|	0.04
126.083	0.00	0.01	0.013	O	|	|	|	0.03
126.167	0.00	0.01	0.013	O	|	|	|	0.03
126.250	0.00	0.01	0.013	O	|	|	|	0.03
126.333	0.00	0.01	0.013	O	|	|	|	0.03
126.417	0.00	0.01	0.013	O	|	|	|	0.03
126.500	0.00	0.01	0.013	O	|	|	|	0.03
126.583	0.00	0.01	0.013	O	|	|	|	0.03
126.667	0.00	0.01	0.013	O	|	|	|	0.03
126.750	0.00	0.01	0.013	O	|	|	|	0.03
126.833	0.00	0.01	0.013	O	|	|	|	0.03
126.917	0.00	0.01	0.013	O	|	|	|	0.03
127.000	0.00	0.01	0.013	O	|	|	|	0.03
127.083	0.00	0.01	0.012	O	|	|	|	0.03
127.167	0.00	0.01	0.012	O	|	|	|	0.03
127.250	0.00	0.01	0.012	O	|	|	|	0.03
127.333	0.00	0.01	0.012	O	|	|	|	0.03
127.417	0.00	0.01	0.012	O	|	|	|	0.03
127.500	0.00	0.01	0.012	O	|	|	|	0.03
127.583	0.00	0.01	0.012	O	|	|	|	0.03
127.667	0.00	0.01	0.012	O	|	|	|	0.03
127.750	0.00	0.01	0.012	O	|	|	|	0.03
127.833	0.00	0.01	0.012	O	|	|	|	0.03
127.917	0.00	0.01	0.012	O	|	|	|	0.03
128.000	0.00	0.01	0.012	O	|	|	|	0.03
128.083	0.00	0.01	0.012	O	|	|	|	0.03
128.167	0.00	0.01	0.012	O	|	|	|	0.03
128.250	0.00	0.01	0.012	O	|	|	|	0.03
128.333	0.00	0.01	0.012	O	|	|	|	0.03
128.417	0.00	0.01	0.011	O	|	|	|	0.03
128.500	0.00	0.01	0.011	O	|	|	|	0.03

128.583	0.00	0.01	0.011	O	|	|	|	|	0.03
128.667	0.00	0.01	0.011	O	|	|	|	|	0.03
128.750	0.00	0.01	0.011	O	|	|	|	|	0.03
128.833	0.00	0.01	0.011	O	|	|	|	|	0.03
128.917	0.00	0.01	0.011	O	|	|	|	|	0.03
129.000	0.00	0.01	0.011	O	|	|	|	|	0.03
129.083	0.00	0.01	0.011	O	|	|	|	|	0.03
129.167	0.00	0.01	0.011	O	|	|	|	|	0.03
129.250	0.00	0.01	0.011	O	|	|	|	|	0.03
129.333	0.00	0.01	0.011	O	|	|	|	|	0.03
129.417	0.00	0.01	0.011	O	|	|	|	|	0.03
129.500	0.00	0.01	0.011	O	|	|	|	|	0.03
129.583	0.00	0.01	0.011	O	|	|	|	|	0.03
129.667	0.00	0.01	0.011	O	|	|	|	|	0.03
129.750	0.00	0.01	0.011	O	|	|	|	|	0.03
129.833	0.00	0.01	0.010	O	|	|	|	|	0.03
129.917	0.00	0.01	0.010	O	|	|	|	|	0.03
130.000	0.00	0.01	0.010	O	|	|	|	|	0.03
130.083	0.00	0.01	0.010	O	|	|	|	|	0.03
130.167	0.00	0.01	0.010	O	|	|	|	|	0.03
130.250	0.00	0.01	0.010	O	|	|	|	|	0.03
130.333	0.00	0.01	0.010	O	|	|	|	|	0.03
130.417	0.00	0.01	0.010	O	|	|	|	|	0.03
130.500	0.00	0.01	0.010	O	|	|	|	|	0.03
130.583	0.00	0.01	0.010	O	|	|	|	|	0.03
130.667	0.00	0.01	0.010	O	|	|	|	|	0.03
130.750	0.00	0.01	0.010	O	|	|	|	|	0.03
130.833	0.00	0.01	0.010	O	|	|	|	|	0.03
130.917	0.00	0.01	0.010	O	|	|	|	|	0.03
131.000	0.00	0.01	0.010	O	|	|	|	|	0.03
131.083	0.00	0.01	0.010	O	|	|	|	|	0.03
131.167	0.00	0.01	0.010	O	|	|	|	|	0.03
131.250	0.00	0.01	0.010	O	|	|	|	|	0.03
131.333	0.00	0.01	0.010	O	|	|	|	|	0.03
131.417	0.00	0.01	0.009	O	|	|	|	|	0.02
131.500	0.00	0.01	0.009	O	|	|	|	|	0.02
131.583	0.00	0.01	0.009	O	|	|	|	|	0.02
131.667	0.00	0.01	0.009	O	|	|	|	|	0.02
131.750	0.00	0.01	0.009	O	|	|	|	|	0.02
131.833	0.00	0.01	0.009	O	|	|	|	|	0.02
131.917	0.00	0.01	0.009	O	|	|	|	|	0.02
132.000	0.00	0.01	0.009	O	|	|	|	|	0.02
132.083	0.00	0.01	0.009	O	|	|	|	|	0.02
132.167	0.00	0.01	0.009	O	|	|	|	|	0.02
132.250	0.00	0.01	0.009	O	|	|	|	|	0.02
132.333	0.00	0.01	0.009	O	|	|	|	|	0.02
132.417	0.00	0.01	0.009	O	|	|	|	|	0.02
132.500	0.00	0.01	0.009	O	|	|	|	|	0.02
132.583	0.00	0.01	0.009	O	|	|	|	|	0.02
132.667	0.00	0.01	0.009	O	|	|	|	|	0.02
132.750	0.00	0.01	0.009	O	|	|	|	|	0.02
132.833	0.00	0.01	0.009	O	|	|	|	|	0.02
132.917	0.00	0.01	0.009	O	|	|	|	|	0.02
133.000	0.00	0.01	0.009	O	|	|	|	|	0.02
133.083	0.00	0.01	0.009	O	|	|	|	|	0.02
133.167	0.00	0.01	0.008	O	|	|	|	|	0.02
133.250	0.00	0.01	0.008	O	|	|	|	|	0.02
133.333	0.00	0.01	0.008	O	|	|	|	|	0.02
133.417	0.00	0.01	0.008	O	|	|	|	|	0.02
133.500	0.00	0.01	0.008	O	|	|	|	|	0.02
133.583	0.00	0.01	0.008	O	|	|	|	|	0.02
133.667	0.00	0.01	0.008	O	|	|	|	|	0.02
133.750	0.00	0.01	0.008	O	|	|	|	|	0.02
133.833	0.00	0.01	0.008	O	|	|	|	|	0.02
133.917	0.00	0.01	0.008	O	|	|	|	|	0.02
134.000	0.00	0.01	0.008	O	|	|	|	|	0.02
134.083	0.00	0.01	0.008	O	|	|	|	|	0.02

134.167	0.00	0.01	0.008	O	|	|	|	|	0.02
134.250	0.00	0.01	0.008	O	|	|	|	|	0.02
134.333	0.00	0.01	0.008	O	|	|	|	|	0.02
134.417	0.00	0.01	0.008	O	|	|	|	|	0.02
134.500	0.00	0.01	0.008	O	|	|	|	|	0.02
134.583	0.00	0.01	0.008	O	|	|	|	|	0.02
134.667	0.00	0.01	0.008	O	|	|	|	|	0.02
134.750	0.00	0.01	0.008	O	|	|	|	|	0.02
134.833	0.00	0.01	0.008	O	|	|	|	|	0.02
134.917	0.00	0.01	0.008	O	|	|	|	|	0.02
135.000	0.00	0.01	0.008	O	|	|	|	|	0.02
135.083	0.00	0.01	0.008	O	|	|	|	|	0.02
135.167	0.00	0.01	0.007	O	|	|	|	|	0.02
135.250	0.00	0.01	0.007	O	|	|	|	|	0.02
135.333	0.00	0.01	0.007	O	|	|	|	|	0.02
135.417	0.00	0.01	0.007	O	|	|	|	|	0.02
135.500	0.00	0.01	0.007	O	|	|	|	|	0.02
135.583	0.00	0.01	0.007	O	|	|	|	|	0.02
135.667	0.00	0.01	0.007	O	|	|	|	|	0.02
135.750	0.00	0.01	0.007	O	|	|	|	|	0.02
135.833	0.00	0.01	0.007	O	|	|	|	|	0.02
135.917	0.00	0.01	0.007	O	|	|	|	|	0.02
136.000	0.00	0.01	0.007	O	|	|	|	|	0.02
136.083	0.00	0.01	0.007	O	|	|	|	|	0.02
136.167	0.00	0.01	0.007	O	|	|	|	|	0.02
136.250	0.00	0.01	0.007	O	|	|	|	|	0.02
136.333	0.00	0.01	0.007	O	|	|	|	|	0.02
136.417	0.00	0.01	0.007	O	|	|	|	|	0.02
136.500	0.00	0.01	0.007	O	|	|	|	|	0.02
136.583	0.00	0.01	0.007	O	|	|	|	|	0.02
136.667	0.00	0.01	0.007	O	|	|	|	|	0.02
136.750	0.00	0.01	0.007	O	|	|	|	|	0.02
136.833	0.00	0.01	0.007	O	|	|	|	|	0.02
136.917	0.00	0.01	0.007	O	|	|	|	|	0.02
137.000	0.00	0.01	0.007	O	|	|	|	|	0.02
137.083	0.00	0.01	0.007	O	|	|	|	|	0.02
137.167	0.00	0.01	0.007	O	|	|	|	|	0.02
137.250	0.00	0.01	0.007	O	|	|	|	|	0.02
137.333	0.00	0.00	0.007	O	|	|	|	|	0.02
137.417	0.00	0.00	0.006	O	|	|	|	|	0.02
137.500	0.00	0.00	0.006	O	|	|	|	|	0.02
137.583	0.00	0.00	0.006	O	|	|	|	|	0.02
137.667	0.00	0.00	0.006	O	|	|	|	|	0.02
137.750	0.00	0.00	0.006	O	|	|	|	|	0.02
137.833	0.00	0.00	0.006	O	|	|	|	|	0.02
137.917	0.00	0.00	0.006	O	|	|	|	|	0.02
138.000	0.00	0.00	0.006	O	|	|	|	|	0.02
138.083	0.00	0.00	0.006	O	|	|	|	|	0.02
138.167	0.00	0.00	0.006	O	|	|	|	|	0.02
138.250	0.00	0.00	0.006	O	|	|	|	|	0.02
138.333	0.00	0.00	0.006	O	|	|	|	|	0.02
138.417	0.00	0.00	0.006	O	|	|	|	|	0.02
138.500	0.00	0.00	0.006	O	|	|	|	|	0.02
138.583	0.00	0.00	0.006	O	|	|	|	|	0.02
138.667	0.00	0.00	0.006	O	|	|	|	|	0.02
138.750	0.00	0.00	0.006	O	|	|	|	|	0.02
138.833	0.00	0.00	0.006	O	|	|	|	|	0.02
138.917	0.00	0.00	0.006	O	|	|	|	|	0.02
139.000	0.00	0.00	0.006	O	|	|	|	|	0.02
139.083	0.00	0.00	0.006	O	|	|	|	|	0.02
139.167	0.00	0.00	0.006	O	|	|	|	|	0.02
139.250	0.00	0.00	0.006	O	|	|	|	|	0.02
139.333	0.00	0.00	0.006	O	|	|	|	|	0.02
139.417	0.00	0.00	0.006	O	|	|	|	|	0.02
139.500	0.00	0.00	0.006	O	|	|	|	|	0.01
139.583	0.00	0.00	0.006	O	|	|	|	|	0.01
139.667	0.00	0.00	0.006	O	|	|	|	|	0.01

139.750	0.00	0.00	0.006	O	|	|	|	0.01
139.833	0.00	0.00	0.006	O	|	|	|	0.01
139.917	0.00	0.00	0.006	O	|	|	|	0.01
140.000	0.00	0.00	0.006	O	|	|	|	0.01
140.083	0.00	0.00	0.005	O	|	|	|	0.01
140.167	0.00	0.00	0.005	O	|	|	|	0.01
140.250	0.00	0.00	0.005	O	|	|	|	0.01
140.333	0.00	0.00	0.005	O	|	|	|	0.01
140.417	0.00	0.00	0.005	O	|	|	|	0.01
140.500	0.00	0.00	0.005	O	|	|	|	0.01
140.583	0.00	0.00	0.005	O	|	|	|	0.01
140.667	0.00	0.00	0.005	O	|	|	|	0.01
140.750	0.00	0.00	0.005	O	|	|	|	0.01
140.833	0.00	0.00	0.005	O	|	|	|	0.01
140.917	0.00	0.00	0.005	O	|	|	|	0.01
141.000	0.00	0.00	0.005	O	|	|	|	0.01
141.083	0.00	0.00	0.005	O	|	|	|	0.01
141.167	0.00	0.00	0.005	O	|	|	|	0.01
141.250	0.00	0.00	0.005	O	|	|	|	0.01
141.333	0.00	0.00	0.005	O	|	|	|	0.01
141.417	0.00	0.00	0.005	O	|	|	|	0.01
141.500	0.00	0.00	0.005	O	|	|	|	0.01
141.583	0.00	0.00	0.005	O	|	|	|	0.01
141.667	0.00	0.00	0.005	O	|	|	|	0.01
141.750	0.00	0.00	0.005	O	|	|	|	0.01
141.833	0.00	0.00	0.005	O	|	|	|	0.01
141.917	0.00	0.00	0.005	O	|	|	|	0.01
142.000	0.00	0.00	0.005	O	|	|	|	0.01
142.083	0.00	0.00	0.005	O	|	|	|	0.01
142.167	0.00	0.00	0.005	O	|	|	|	0.01
142.250	0.00	0.00	0.005	O	|	|	|	0.01
142.333	0.00	0.00	0.005	O	|	|	|	0.01
142.417	0.00	0.00	0.005	O	|	|	|	0.01
142.500	0.00	0.00	0.005	O	|	|	|	0.01
142.583	0.00	0.00	0.005	O	|	|	|	0.01
142.667	0.00	0.00	0.005	O	|	|	|	0.01
142.750	0.00	0.00	0.005	O	|	|	|	0.01
142.833	0.00	0.00	0.005	O	|	|	|	0.01
142.917	0.00	0.00	0.005	O	|	|	|	0.01
143.000	0.00	0.00	0.005	O	|	|	|	0.01
143.083	0.00	0.00	0.005	O	|	|	|	0.01
143.167	0.00	0.00	0.005	O	|	|	|	0.01
143.250	0.00	0.00	0.004	O	|	|	|	0.01
143.333	0.00	0.00	0.004	O	|	|	|	0.01
143.417	0.00	0.00	0.004	O	|	|	|	0.01
143.500	0.00	0.00	0.004	O	|	|	|	0.01
143.583	0.00	0.00	0.004	O	|	|	|	0.01
143.667	0.00	0.00	0.004	O	|	|	|	0.01
143.750	0.00	0.00	0.004	O	|	|	|	0.01
143.833	0.00	0.00	0.004	O	|	|	|	0.01
143.917	0.00	0.00	0.004	O	|	|	|	0.01
144.000	0.00	0.00	0.004	O	|	|	|	0.01
144.083	0.00	0.00	0.004	O	|	|	|	0.01
144.167	0.00	0.00	0.004	O	|	|	|	0.01
144.250	0.00	0.00	0.004	O	|	|	|	0.01
144.333	0.00	0.00	0.004	O	|	|	|	0.01
144.417	0.00	0.00	0.004	O	|	|	|	0.01
144.500	0.00	0.00	0.004	O	|	|	|	0.01
144.583	0.00	0.00	0.004	O	|	|	|	0.01
144.667	0.00	0.00	0.004	O	|	|	|	0.01
144.750	0.00	0.00	0.004	O	|	|	|	0.01
144.833	0.00	0.00	0.004	O	|	|	|	0.01
144.917	0.00	0.00	0.004	O	|	|	|	0.01
145.000	0.00	0.00	0.004	O	|	|	|	0.01
145.083	0.00	0.00	0.004	O	|	|	|	0.01
145.167	0.00	0.00	0.004	O	|	|	|	0.01
145.250	0.00	0.00	0.004	O	|	|	|	0.01

145.333	0.00	0.00	0.004	O	|	|	|	0.01
145.417	0.00	0.00	0.004	O	|	|	|	0.01
145.500	0.00	0.00	0.004	O	|	|	|	0.01
145.583	0.00	0.00	0.004	O	|	|	|	0.01
145.667	0.00	0.00	0.004	O	|	|	|	0.01
145.750	0.00	0.00	0.004	O	|	|	|	0.01
145.833	0.00	0.00	0.004	O	|	|	|	0.01
145.917	0.00	0.00	0.004	O	|	|	|	0.01
146.000	0.00	0.00	0.004	O	|	|	|	0.01
146.083	0.00	0.00	0.004	O	|	|	|	0.01
146.167	0.00	0.00	0.004	O	|	|	|	0.01
146.250	0.00	0.00	0.004	O	|	|	|	0.01
146.333	0.00	0.00	0.004	O	|	|	|	0.01
146.417	0.00	0.00	0.004	O	|	|	|	0.01
146.500	0.00	0.00	0.004	O	|	|	|	0.01
146.583	0.00	0.00	0.004	O	|	|	|	0.01
146.667	0.00	0.00	0.004	O	|	|	|	0.01
146.750	0.00	0.00	0.004	O	|	|	|	0.01
146.833	0.00	0.00	0.004	O	|	|	|	0.01
146.917	0.00	0.00	0.004	O	|	|	|	0.01
147.000	0.00	0.00	0.004	O	|	|	|	0.01
147.083	0.00	0.00	0.004	O	|	|	|	0.01
147.167	0.00	0.00	0.004	O	|	|	|	0.01
147.250	0.00	0.00	0.003	O	|	|	|	0.01
147.333	0.00	0.00	0.003	O	|	|	|	0.01
147.417	0.00	0.00	0.003	O	|	|	|	0.01
147.500	0.00	0.00	0.003	O	|	|	|	0.01
147.583	0.00	0.00	0.003	O	|	|	|	0.01
147.667	0.00	0.00	0.003	O	|	|	|	0.01
147.750	0.00	0.00	0.003	O	|	|	|	0.01
147.833	0.00	0.00	0.003	O	|	|	|	0.01
147.917	0.00	0.00	0.003	O	|	|	|	0.01
148.000	0.00	0.00	0.003	O	|	|	|	0.01
148.083	0.00	0.00	0.003	O	|	|	|	0.01
148.167	0.00	0.00	0.003	O	|	|	|	0.01
148.250	0.00	0.00	0.003	O	|	|	|	0.01
148.333	0.00	0.00	0.003	O	|	|	|	0.01
148.417	0.00	0.00	0.003	O	|	|	|	0.01
148.500	0.00	0.00	0.003	O	|	|	|	0.01
148.583	0.00	0.00	0.003	O	|	|	|	0.01
148.667	0.00	0.00	0.003	O	|	|	|	0.01
148.750	0.00	0.00	0.003	O	|	|	|	0.01
148.833	0.00	0.00	0.003	O	|	|	|	0.01
148.917	0.00	0.00	0.003	O	|	|	|	0.01
149.000	0.00	0.00	0.003	O	|	|	|	0.01
149.083	0.00	0.00	0.003	O	|	|	|	0.01
149.167	0.00	0.00	0.003	O	|	|	|	0.01
149.250	0.00	0.00	0.003	O	|	|	|	0.01
149.333	0.00	0.00	0.003	O	|	|	|	0.01
149.417	0.00	0.00	0.003	O	|	|	|	0.01
149.500	0.00	0.00	0.003	O	|	|	|	0.01
149.583	0.00	0.00	0.003	O	|	|	|	0.01
149.667	0.00	0.00	0.003	O	|	|	|	0.01
149.750	0.00	0.00	0.003	O	|	|	|	0.01
149.833	0.00	0.00	0.003	O	|	|	|	0.01
149.917	0.00	0.00	0.003	O	|	|	|	0.01
150.000	0.00	0.00	0.003	O	|	|	|	0.01
150.083	0.00	0.00	0.003	O	|	|	|	0.01
150.167	0.00	0.00	0.003	O	|	|	|	0.01
150.250	0.00	0.00	0.003	O	|	|	|	0.01
150.333	0.00	0.00	0.003	O	|	|	|	0.01
150.417	0.00	0.00	0.003	O	|	|	|	0.01
150.500	0.00	0.00	0.003	O	|	|	|	0.01
150.583	0.00	0.00	0.003	O	|	|	|	0.01
150.667	0.00	0.00	0.003	O	|	|	|	0.01
150.750	0.00	0.00	0.003	O	|	|	|	0.01
150.833	0.00	0.00	0.003	O	|	|	|	0.01

150.917	0.00	0.00	0.003	O	|	|	|	|	0.01
151.000	0.00	0.00	0.003	O	|	|	|	|	0.01
151.083	0.00	0.00	0.003	O	|	|	|	|	0.01
151.167	0.00	0.00	0.003	O	|	|	|	|	0.01
151.250	0.00	0.00	0.003	O	|	|	|	|	0.01
151.333	0.00	0.00	0.003	O	|	|	|	|	0.01
151.417	0.00	0.00	0.003	O	|	|	|	|	0.01
151.500	0.00	0.00	0.003	O	|	|	|	|	0.01
151.583	0.00	0.00	0.003	O	|	|	|	|	0.01
151.667	0.00	0.00	0.003	O	|	|	|	|	0.01
151.750	0.00	0.00	0.003	O	|	|	|	|	0.01
151.833	0.00	0.00	0.003	O	|	|	|	|	0.01
151.917	0.00	0.00	0.003	O	|	|	|	|	0.01
152.000	0.00	0.00	0.003	O	|	|	|	|	0.01
152.083	0.00	0.00	0.003	O	|	|	|	|	0.01
152.167	0.00	0.00	0.003	O	|	|	|	|	0.01
152.250	0.00	0.00	0.003	O	|	|	|	|	0.01
152.333	0.00	0.00	0.003	O	|	|	|	|	0.01
152.417	0.00	0.00	0.003	O	|	|	|	|	0.01
152.500	0.00	0.00	0.003	O	|	|	|	|	0.01
152.583	0.00	0.00	0.002	O	|	|	|	|	0.01
152.667	0.00	0.00	0.002	O	|	|	|	|	0.01
152.750	0.00	0.00	0.002	O	|	|	|	|	0.01
152.833	0.00	0.00	0.002	O	|	|	|	|	0.01
152.917	0.00	0.00	0.002	O	|	|	|	|	0.01
153.000	0.00	0.00	0.002	O	|	|	|	|	0.01
153.083	0.00	0.00	0.002	O	|	|	|	|	0.01
153.167	0.00	0.00	0.002	O	|	|	|	|	0.01
153.250	0.00	0.00	0.002	O	|	|	|	|	0.01
153.333	0.00	0.00	0.002	O	|	|	|	|	0.01
153.417	0.00	0.00	0.002	O	|	|	|	|	0.01
153.500	0.00	0.00	0.002	O	|	|	|	|	0.01
153.583	0.00	0.00	0.002	O	|	|	|	|	0.01
153.667	0.00	0.00	0.002	O	|	|	|	|	0.01
153.750	0.00	0.00	0.002	O	|	|	|	|	0.01
153.833	0.00	0.00	0.002	O	|	|	|	|	0.01
153.917	0.00	0.00	0.002	O	|	|	|	|	0.01
154.000	0.00	0.00	0.002	O	|	|	|	|	0.01
154.083	0.00	0.00	0.002	O	|	|	|	|	0.01
154.167	0.00	0.00	0.002	O	|	|	|	|	0.01
154.250	0.00	0.00	0.002	O	|	|	|	|	0.01
154.333	0.00	0.00	0.002	O	|	|	|	|	0.01
154.417	0.00	0.00	0.002	O	|	|	|	|	0.01
154.500	0.00	0.00	0.002	O	|	|	|	|	0.01
154.583	0.00	0.00	0.002	O	|	|	|	|	0.01
154.667	0.00	0.00	0.002	O	|	|	|	|	0.01
154.750	0.00	0.00	0.002	O	|	|	|	|	0.01
154.833	0.00	0.00	0.002	O	|	|	|	|	0.01
154.917	0.00	0.00	0.002	O	|	|	|	|	0.01
155.000	0.00	0.00	0.002	O	|	|	|	|	0.01
155.083	0.00	0.00	0.002	O	|	|	|	|	0.01
155.167	0.00	0.00	0.002	O	|	|	|	|	0.01
155.250	0.00	0.00	0.002	O	|	|	|	|	0.01
155.333	0.00	0.00	0.002	O	|	|	|	|	0.01
155.417	0.00	0.00	0.002	O	|	|	|	|	0.01
155.500	0.00	0.00	0.002	O	|	|	|	|	0.01
155.583	0.00	0.00	0.002	O	|	|	|	|	0.01
155.667	0.00	0.00	0.002	O	|	|	|	|	0.01
155.750	0.00	0.00	0.002	O	|	|	|	|	0.01
155.833	0.00	0.00	0.002	O	|	|	|	|	0.01
155.917	0.00	0.00	0.002	O	|	|	|	|	0.01
156.000	0.00	0.00	0.002	O	|	|	|	|	0.01
156.083	0.00	0.00	0.002	O	|	|	|	|	0.01
156.167	0.00	0.00	0.002	O	|	|	|	|	0.01
156.250	0.00	0.00	0.002	O	|	|	|	|	0.01
156.333	0.00	0.00	0.002	O	|	|	|	|	0.01
156.417	0.00	0.00	0.002	O	|	|	|	|	0.01

156.500	0.00	0.00	0.002	O	|	|	|	|	0.01
156.583	0.00	0.00	0.002	O	|	|	|	|	0.01
156.667	0.00	0.00	0.002	O	|	|	|	|	0.01
156.750	0.00	0.00	0.002	O	|	|	|	|	0.01
156.833	0.00	0.00	0.002	O	|	|	|	|	0.01
156.917	0.00	0.00	0.002	O	|	|	|	|	0.00
157.000	0.00	0.00	0.002	O	|	|	|	|	0.00
157.083	0.00	0.00	0.002	O	|	|	|	|	0.00
157.167	0.00	0.00	0.002	O	|	|	|	|	0.00
157.250	0.00	0.00	0.002	O	|	|	|	|	0.00
157.333	0.00	0.00	0.002	O	|	|	|	|	0.00
157.417	0.00	0.00	0.002	O	|	|	|	|	0.00
157.500	0.00	0.00	0.002	O	|	|	|	|	0.00
157.583	0.00	0.00	0.002	O	|	|	|	|	0.00
157.667	0.00	0.00	0.002	O	|	|	|	|	0.00
157.750	0.00	0.00	0.002	O	|	|	|	|	0.00
157.833	0.00	0.00	0.002	O	|	|	|	|	0.00
157.917	0.00	0.00	0.002	O	|	|	|	|	0.00
158.000	0.00	0.00	0.002	O	|	|	|	|	0.00
158.083	0.00	0.00	0.002	O	|	|	|	|	0.00
158.167	0.00	0.00	0.002	O	|	|	|	|	0.00
158.250	0.00	0.00	0.002	O	|	|	|	|	0.00
158.333	0.00	0.00	0.002	O	|	|	|	|	0.00
158.417	0.00	0.00	0.002	O	|	|	|	|	0.00
158.500	0.00	0.00	0.002	O	|	|	|	|	0.00
158.583	0.00	0.00	0.002	O	|	|	|	|	0.00
158.667	0.00	0.00	0.002	O	|	|	|	|	0.00
158.750	0.00	0.00	0.002	O	|	|	|	|	0.00
158.833	0.00	0.00	0.002	O	|	|	|	|	0.00
158.917	0.00	0.00	0.002	O	|	|	|	|	0.00
159.000	0.00	0.00	0.002	O	|	|	|	|	0.00
159.083	0.00	0.00	0.002	O	|	|	|	|	0.00
159.167	0.00	0.00	0.002	O	|	|	|	|	0.00
159.250	0.00	0.00	0.002	O	|	|	|	|	0.00
159.333	0.00	0.00	0.002	O	|	|	|	|	0.00
159.417	0.00	0.00	0.002	O	|	|	|	|	0.00
159.500	0.00	0.00	0.002	O	|	|	|	|	0.00
159.583	0.00	0.00	0.002	O	|	|	|	|	0.00
159.667	0.00	0.00	0.002	O	|	|	|	|	0.00
159.750	0.00	0.00	0.002	O	|	|	|	|	0.00
159.833	0.00	0.00	0.002	O	|	|	|	|	0.00
159.917	0.00	0.00	0.002	O	|	|	|	|	0.00
160.000	0.00	0.00	0.002	O	|	|	|	|	0.00
160.083	0.00	0.00	0.002	O	|	|	|	|	0.00
160.167	0.00	0.00	0.002	O	|	|	|	|	0.00
160.250	0.00	0.00	0.002	O	|	|	|	|	0.00
160.333	0.00	0.00	0.002	O	|	|	|	|	0.00
160.417	0.00	0.00	0.002	O	|	|	|	|	0.00
160.500	0.00	0.00	0.002	O	|	|	|	|	0.00
160.583	0.00	0.00	0.002	O	|	|	|	|	0.00
160.667	0.00	0.00	0.001	O	|	|	|	|	0.00
160.750	0.00	0.00	0.001	O	|	|	|	|	0.00
160.833	0.00	0.00	0.001	O	|	|	|	|	0.00
160.917	0.00	0.00	0.001	O	|	|	|	|	0.00
161.000	0.00	0.00	0.001	O	|	|	|	|	0.00
161.083	0.00	0.00	0.001	O	|	|	|	|	0.00
161.167	0.00	0.00	0.001	O	|	|	|	|	0.00
161.250	0.00	0.00	0.001	O	|	|	|	|	0.00
161.333	0.00	0.00	0.001	O	|	|	|	|	0.00
161.417	0.00	0.00	0.001	O	|	|	|	|	0.00
161.500	0.00	0.00	0.001	O	|	|	|	|	0.00
161.583	0.00	0.00	0.001	O	|	|	|	|	0.00
161.667	0.00	0.00	0.001	O	|	|	|	|	0.00
161.750	0.00	0.00	0.001	O	|	|	|	|	0.00
161.833	0.00	0.00	0.001	O	|	|	|	|	0.00
161.917	0.00	0.00	0.001	O	|	|	|	|	0.00
162.000	0.00	0.00	0.001	O	|	|	|	|	0.00

```
162.083    0.00    0.00      0.001  O       |       |       |       |     0.00
162.167    0.00    0.00      0.001  O       |       |       |       |     0.00
162.250    0.00    0.00      0.001  O       |       |       |       |     0.00
162.333    0.00    0.00      0.001  O       |       |       |       |     0.00
162.417    0.00    0.00      0.001  O       |       |       |       |     0.00
162.500    0.00    0.00      0.001  O       |       |       |       |     0.00
162.583    0.00    0.00      0.001  O       |       |       |       |     0.00
162.667    0.00    0.00      0.001  O       |       |       |       |     0.00
162.750    0.00    0.00      0.001  O       |       |       |       |     0.00
162.833    0.00    0.00      0.001  O       |       |       |       |     0.00

       Remaining water in basin =    0.00 (Ac.Ft)


       ****************************HYDROGRAPH DATA****************************
                    Number of intervals =  1954
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =        8.093 (CFS)
                    Total volume =       4.458 (Ac.Ft)
             Status of hydrographs being held in storage
                         Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
             Peak (CFS)      0.000     0.000     0.000     0.000     0.000
             Vol (Ac.Ft)     0.000     0.000     0.000     0.000     0.000
       ***********************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/19/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRG24100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 291
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 18.277 (CFS)
Total volume = 10.127 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN G- ROUTING
100YR-24HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 291
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.380	0.290	0.379	0.381
2.000	0.810	0.440	0.808	0.812
3.000	1.300	0.550	1.298	1.302
4.000	1.840	0.650	1.838	1.842
5.000	2.440	0.730	2.437	2.443
6.000	3.100	0.800	3.097	3.103
7.000	3.820	1.470	3.815	3.825
8.000	4.610	25.330	4.523	4.697
9.000	5.500	124.380	5.072	5.928

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 4.6 9.14 13.71 18.28	Depth (Ft.)
0.083	0.44	0.00	0.002	O | | | |	0.00

0.167	0.84	0.00	0.006	OI	|	|	|	0.02
0.250	0.92	0.01	0.012	OI	|	|	|	0.03
0.333	1.17	0.01	0.019	O I	|	|	|	0.05
0.417	1.37	0.02	0.028	O I	|	|	|	0.07
0.500	1.41	0.03	0.037	O I	|	|	|	0.10
0.583	1.43	0.04	0.047	O I	|	|	|	0.12
0.667	1.43	0.04	0.056	O I	|	|	|	0.15
0.750	1.43	0.05	0.066	O I	|	|	|	0.17
0.833	1.65	0.06	0.076	O I	|	|	|	0.20
0.917	1.85	0.07	0.088	O I	|	|	|	0.23
1.000	1.89	0.08	0.100	O I	|	|	|	0.26
1.083	1.68	0.09	0.112	O I	|	|	|	0.29
1.167	1.48	0.09	0.122	O I	|	|	|	0.32
1.250	1.44	0.10	0.131	O I	|	|	|	0.35
1.333	1.43	0.11	0.140	O I	|	|	|	0.37
1.417	1.43	0.11	0.150	O I	|	|	|	0.39
1.500	1.43	0.12	0.159	O I	|	|	|	0.42
1.583	1.43	0.13	0.168	O I	|	|	|	0.44
1.667	1.43	0.13	0.176	O I	|	|	|	0.46
1.750	1.43	0.14	0.185	O I	|	|	|	0.49
1.833	1.65	0.15	0.195	O I	|	|	|	0.51
1.917	1.85	0.16	0.206	O I	|	|	|	0.54
2.000	1.89	0.17	0.218	O I	|	|	|	0.57
2.083	1.90	0.18	0.230	O I	|	|	|	0.60
2.167	1.90	0.18	0.241	O I	|	|	|	0.64
2.250	1.90	0.19	0.253	O I	|	|	|	0.67
2.333	1.90	0.20	0.265	O I	|	|	|	0.70
2.417	1.90	0.21	0.277	O I	|	|	|	0.73
2.500	1.90	0.22	0.288	O I	|	|	|	0.76
2.583	2.12	0.23	0.301	O I	|	|	|	0.79
2.667	2.32	0.24	0.314	O I	|	|	|	0.83
2.750	2.36	0.25	0.329	O I	|	|	|	0.87
2.833	2.38	0.26	0.343	O I	|	|	|	0.90
2.917	2.38	0.27	0.358	O I	|	|	|	0.94
3.000	2.38	0.28	0.372	O I	|	|	|	0.98
3.083	2.38	0.29	0.387	O I	|	|	|	1.02
3.167	2.38	0.30	0.401	O I	|	|	|	1.05
3.250	2.38	0.30	0.415	O I	|	|	|	1.08
3.333	2.38	0.31	0.430	O I	|	|	|	1.12
3.417	2.38	0.31	0.444	O I	|	|	|	1.15
3.500	2.38	0.32	0.458	O I	|	|	|	1.18
3.583	2.38	0.32	0.472	O I	|	|	|	1.21
3.667	2.38	0.33	0.486	O I	|	|	|	1.25
3.750	2.38	0.33	0.500	O I	|	|	|	1.28
3.833	2.60	0.34	0.515	O I	|	|	|	1.31
3.917	2.80	0.34	0.532	O I	|	|	|	1.35
4.000	2.84	0.35	0.549	O I	|	|	|	1.39
4.083	2.85	0.35	0.566	O I	|	|	|	1.43
4.167	2.85	0.36	0.583	O I	|	|	|	1.47
4.250	2.85	0.37	0.600	O I	|	|	|	1.51
4.333	3.07	0.37	0.618	O I	|	|	|	1.55
4.417	3.27	0.38	0.637	O I	|	|	|	1.60
4.500	3.31	0.39	0.657	O I	|	|	|	1.64
4.583	3.33	0.39	0.678	O I	|	|	|	1.69
4.667	3.33	0.40	0.698	O I	|	|	|	1.74
4.750	3.33	0.41	0.718	O I	|	|	|	1.79
4.833	3.55	0.42	0.739	O I	|	|	|	1.83
4.917	3.75	0.42	0.761	O I	|	|	|	1.89
5.000	3.79	0.43	0.784	O I	|	|	|	1.94
5.083	3.37	0.44	0.806	O I	|	|	|	1.99
5.167	2.96	0.44	0.824	O I	|	|	|	2.03
5.250	2.89	0.45	0.841	O I	|	|	|	2.06
5.333	3.07	0.45	0.859	O I	|	|	|	2.10
5.417	3.27	0.46	0.878	O I	|	|	|	2.14
5.500	3.31	0.46	0.897	O I	|	|	|	2.18
5.583	3.55	0.46	0.918	O I	|	|	|	2.22
5.667	3.75	0.47	0.940	O I	|	|	|	2.26

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 5.750    3.79    0.47      0.962  O     I |       |       |       |     2.31
 5.833    3.81    0.48      0.985  O     I |       |       |       |     2.36
 5.917    3.81    0.48      1.008  O     I |       |       |       |     2.40
 6.000    3.81    0.49      1.031  O     I |       |       |       |     2.45
 6.083    4.03    0.49      1.054  O      I|       |       |       |     2.50
 6.167    4.23    0.50      1.079  O      I|       |       |       |     2.55
 6.250    4.26    0.51      1.105  O      I|       |       |       |     2.60
 6.333    4.28    0.51      1.131  O      I|       |       |       |     2.66
 6.417    4.28    0.52      1.157  O      I|       |       |       |     2.71
 6.500    4.28    0.52      1.183  O      I|       |       |       |     2.76
 6.583    4.50    0.53      1.210  O      I|       |       |       |     2.82
 6.667    4.70    0.54      1.238  O       I       |       |       |     2.87
 6.750    4.74    0.54      1.266  O       I       |       |       |     2.93
 6.833    4.76    0.55      1.295  O       I       |       |       |     2.99
 6.917    4.76    0.55      1.324  O       I       |       |       |     3.05
 7.000    4.76    0.56      1.353  O       I       |       |       |     3.10
 7.083    4.76    0.57      1.382  O       I       |       |       |     3.15
 7.167    4.76    0.57      1.411  O       I       |       |       |     3.21
 7.250    4.76    0.58      1.440  |O      I       |       |       |     3.26
 7.333    4.98    0.58      1.469  |O      I       |       |       |     3.31
 7.417    5.18    0.59      1.500  |O      |I      |       |       |     3.37
 7.500    5.22    0.59      1.532  |O      |I      |       |       |     3.43
 7.583    5.45    0.60      1.565  |O      |I      |       |       |     3.49
 7.667    5.65    0.61      1.599  |O      |I      |       |       |     3.55
 7.750    5.69    0.61      1.634  |O      |I      |       |       |     3.62
 7.833    5.93    0.62      1.669  |O      | I     |       |       |     3.68
 7.917    6.13    0.63      1.707  |O      | I     |       |       |     3.75
 8.000    6.17    0.63      1.745  |O      | I     |       |       |     3.82
 8.083    6.62    0.64      1.784  |O      |  I    |       |       |     3.90
 8.167    7.03    0.65      1.827  |O      |   I   |       |       |     3.98
 8.250    7.10    0.65      1.871  |O      |   I   |       |       |     4.05
 8.333    7.14    0.66      1.916  |O      |   I   |       |       |     4.13
 8.417    7.14    0.67      1.960  |O      |   I   |       |       |     4.20
 8.500    7.14    0.67      2.005  |O      |   I   |       |       |     4.27
 8.583    7.36    0.68      2.050  |O      |   I   |       |       |     4.35
 8.667    7.56    0.68      2.097  |O      |    I  |       |       |     4.43
 8.750    7.59    0.69      2.144  |O      |    I  |       |       |     4.51
 8.833    7.83    0.70      2.192  |O      |    I  |       |       |     4.59
 8.917    8.03    0.70      2.242  |O      |     I |       |       |     4.67
 9.000    8.07    0.71      2.293  |O      |     I |       |       |     4.75
 9.083    8.53    0.72      2.345  |O      |     I |       |       |     4.84
 9.167    8.93    0.72      2.400  |O      |      I|       |       |     4.93
 9.250    9.01    0.73      2.457  |O      |      I|       |       |     5.03
 9.333    9.26    0.74      2.515  |O      |       I       |       |     5.11
 9.417    9.46    0.74      2.574  |O      |       I       |       |     5.20
 9.500    9.50    0.75      2.634  |O      |       I       |       |     5.29
 9.583    9.73    0.76      2.695  |O      |       |I      |       |     5.39
 9.667    9.93    0.76      2.758  |O      |       |I      |       |     5.48
 9.750    9.97    0.77      2.821  |O      |       |I      |       |     5.58
 9.833   10.21    0.78      2.885  |O      |       |I      |       |     5.67
 9.917   10.41    0.78      2.951  |O      |       | I     |       |     5.77
10.000   10.45    0.79      3.017  |O      |       | I     |       |     5.87
10.083    8.92    0.80      3.078  |O      |      I|       |       |     5.97
10.167    7.52    0.83      3.129  |O      |    I  |       |       |     6.04
10.250    7.25    0.87      3.174  |O      |   I   |       |       |     6.10
10.333    7.14    0.91      3.218  |O      |   I   |       |       |     6.16
10.417    7.14    0.95      3.261  |O      |   I   |       |       |     6.22
10.500    7.14    0.99      3.303  |O      |   I   |       |       |     6.28
10.583    8.24    1.03      3.349  |O      |     I |       |       |     6.35
10.667    9.24    1.08      3.402  |O      |       I       |       |     6.42
10.750    9.43    1.13      3.459  |O      |       I       |       |     6.50
10.833    9.51    1.19      3.516  | O     |       I       |       |     6.58
10.917    9.51    1.24      3.573  | O     |       I       |       |     6.66
11.000    9.51    1.29      3.630  | O     |       I       |       |     6.74
11.083    9.29    1.34      3.686  | O     |       I       |       |     6.81
11.167    9.09    1.39      3.739  | O     |      I|       |       |     6.89
11.250    9.05    1.44      3.792  | O     |      I|       |       |     6.96
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11.333	9.04	2.14	3.842	O	I			7.03
11.417	9.04	3.44	3.885	O	I			7.08
11.500	9.04	4.49	3.920	O	I			7.13
11.583	8.60	5.31	3.947	O	I			7.16
11.667	8.20	5.89	3.966	O	I			7.19
11.750	8.12	6.32	3.980	O	I			7.20
11.833	8.31	6.67	3.992	O	I			7.22
11.917	8.51	7.00	4.003	O	I			7.23
12.000	8.55	7.29	4.013	O	I			7.24
12.083	10.29	7.69	4.026	O	I			7.26
12.167	11.87	8.33	4.047	O	I			7.29
12.250	12.19	9.03	4.070	O	I			7.32
12.333	12.63	9.66	4.091	O	I			7.34
12.417	12.92	10.25	4.111	O	I			7.37
12.500	12.98	10.76	4.128	O	I			7.39
12.583	13.61	11.24	4.143	O	I			7.41
12.667	14.16	11.74	4.160	O	I			7.43
12.750	14.28	12.20	4.175	O	I			7.45
12.833	14.64	12.63	4.189	O	I			7.47
12.917	14.92	13.03	4.203	O	I			7.48
13.000	14.99	13.40	4.215	O	I			7.50
13.083	16.49	13.84	4.229	O	I			7.52
13.167	17.84	14.46	4.250	O	I			7.54
13.250	18.12	15.13	4.272	O	I			7.57
13.333	18.24	15.70	4.291	O	I			7.60
13.417	18.26	16.18	4.307	O	I			7.62
13.500	18.28	16.58	4.320	O	I			7.63
13.583	15.07	**16.59**	**4.321**	O	I			**7.63**
13.667	12.15	16.03	4.302	O	I			7.61
13.750	11.60	15.25	4.276	O	I			7.58
13.833	11.38	14.54	4.253	O	I			7.55
13.917	11.39	13.95	4.233	O	I			7.52
14.000	11.41	13.47	4.217	O	I			7.50
14.083	12.60	13.19	4.208	O	I			7.49
14.167	13.68	13.18	4.208	O	I			7.49
14.250	13.90	13.30	4.212	O	I			7.50
14.333	13.71	13.39	4.215	O	I			7.50
14.417	13.46	13.43	4.216	O	I			7.50
14.500	13.43	13.43	4.216	O	I			7.50
14.583	13.42	13.43	4.216	O	I			7.50
14.667	13.44	13.43	4.216	O	I			7.50
14.750	13.45	13.43	4.216	O	I			7.50
14.833	13.17	13.41	4.215	O	I			7.50
14.917	12.92	13.34	4.213	O	I			7.50
15.000	12.89	13.26	4.210	O	I			7.49
15.083	12.59	13.16	4.207	O	I			7.49
15.167	12.33	13.03	4.203	O	I			7.48
15.250	12.30	12.89	4.198	O	I			7.48
15.333	12.00	12.75	4.194	O	I			7.47
15.417	11.75	12.59	4.188	O	I			7.47
15.500	11.71	12.43	4.183	O	I			7.46
15.583	10.53	12.18	4.175	O	I			7.45
15.667	9.48	11.77	4.161	O	I			7.43
15.750	9.29	11.32	4.146	O	I			7.41
15.833	9.21	10.93	4.133	O	I			7.40
15.917	9.23	10.61	4.123	O	I			7.38
16.000	9.24	10.35	4.114	O	I			7.37
16.083	5.85	9.82	4.096	O	I			7.35
16.167	2.75	8.78	4.062	O	I			7.31
16.250	2.16	7.59	4.023	O	I			7.26
16.333	1.90	6.54	3.988	O	I			7.21
16.417	1.90	5.67	3.959	O	I			7.18
16.500	1.90	4.96	3.935	O	I			7.15
16.583	1.68	4.36	3.916	O	I			7.12
16.667	1.48	3.84	3.898	O	I			7.10
16.750	1.44	3.39	3.884	O	I			7.08
16.833	1.43	3.02	3.871	O	I			7.07

16.917	1.43	2.72	3.861	I O				7.05
17.000	1.43	2.48	3.853	I O				7.04
17.083	1.87	2.32	3.848	IO				7.04
17.167	2.27	2.27	3.847	O				7.03
17.250	2.35	2.28	3.847	OI				7.03
17.333	2.38	2.30	3.847	O				7.03
17.417	2.38	2.31	3.848	O				7.04
17.500	2.38	2.32	3.848	O				7.04
17.583	2.38	2.33	3.849	O				7.04
17.667	2.38	2.34	3.849	O				7.04
17.750	2.38	2.35	3.849	O				7.04
17.833	2.16	2.33	3.849	IO				7.04
17.917	1.96	2.28	3.847	O				7.03
18.000	1.92	2.22	3.845	O				7.03
18.083	1.90	2.16	3.843	O				7.03
18.167	1.90	2.11	3.841	O				7.03
18.250	1.90	2.07	3.840	O				7.03
18.333	1.90	2.04	3.839	O				7.02
18.417	1.90	2.01	3.838	O				7.02
18.500	1.90	1.99	3.837	O				7.02
18.583	1.68	1.96	3.836	IO				7.02
18.667	1.48	1.89	3.834	IO				7.02
18.750	1.44	1.81	3.831	IO				7.01
18.833	1.21	1.72	3.828	IO				7.01
18.917	1.01	1.60	3.824	IO				7.01
19.000	0.97	1.48	3.820	IO				7.00
19.083	1.17	1.47	3.818	O				7.00
19.167	1.37	1.47	3.816	O				6.99
19.250	1.41	1.47	3.816	O				6.99
19.333	1.65	1.47	3.816	O				6.99
19.417	1.85	1.47	3.818	OI				7.00
19.500	1.89	1.50	3.821	OI				7.00
19.583	1.68	1.55	3.823	O				7.00
19.667	1.48	1.56	3.823	O				7.00
19.750	1.44	1.54	3.822	O				7.00
19.833	1.21	1.50	3.821	O				7.00
19.917	1.01	1.47	3.818	IO				7.00
20.000	0.97	1.47	3.815	IO				6.99
20.083	1.17	1.46	3.812	O				6.99
20.167	1.37	1.46	3.811	O				6.99
20.250	1.41	1.46	3.811	O				6.99
20.333	1.43	1.46	3.810	O				6.99
20.417	1.43	1.46	3.810	O				6.99
20.500	1.43	1.46	3.810	O				6.99
20.583	1.43	1.46	3.810	O				6.99
20.667	1.43	1.46	3.809	O				6.99
20.750	1.43	1.46	3.809	O				6.98
20.833	1.21	1.46	3.808	O				6.98
20.917	1.01	1.46	3.806	IO				6.98
21.000	0.97	1.45	3.802	IO				6.98
21.083	1.17	1.45	3.800	O				6.97
21.167	1.37	1.45	3.799	O				6.97
21.250	1.41	1.45	3.798	O				6.97
21.333	1.21	1.45	3.797	O				6.97
21.417	1.01	1.45	3.795	IO				6.97
21.500	0.97	1.44	3.792	IO				6.96
21.583	1.17	1.44	3.789	O				6.96
21.667	1.37	1.44	3.788	O				6.96
21.750	1.41	1.44	3.788	O				6.96
21.833	1.21	1.44	3.787	O				6.95
21.917	1.01	1.44	3.784	IO				6.95
22.000	0.97	1.43	3.781	IO				6.95
22.083	1.17	1.43	3.779	O				6.94
22.167	1.37	1.43	3.778	O				6.94
22.250	1.41	1.43	3.778	O				6.94
22.333	1.21	1.43	3.777	O				6.94
22.417	1.01	1.43	3.774	IO				6.94

22.500	0.97	1.42	3.771	|IO	|	|	|	6.93
22.583	0.95	1.42	3.768	|IO	|	|	|	6.93
22.667	0.95	1.42	3.765	|IO	|	|	|	6.92
22.750	0.95	1.42	3.762	|IO	|	|	|	6.92
22.833	0.95	1.41	3.759	|IO	|	|	|	6.91
22.917	0.95	1.41	3.755	|IO	|	|	|	6.91
23.000	0.95	1.41	3.752	|IO	|	|	|	6.91
23.083	0.95	1.40	3.749	|IO	|	|	|	6.90
23.167	0.95	1.40	3.746	|IO	|	|	|	6.90
23.250	0.95	1.40	3.743	|IO	|	|	|	6.89
23.333	0.95	1.40	3.740	|IO	|	|	|	6.89
23.417	0.95	1.39	3.737	|IO	|	|	|	6.88
23.500	0.95	1.39	3.734	|IO	|	|	|	6.88
23.583	0.95	1.39	3.731	|IO	|	|	|	6.88
23.667	0.95	1.38	3.728	|IO	|	|	|	6.87
23.750	0.95	1.38	3.725	|IO	|	|	|	6.87
23.833	0.95	1.38	3.722	|IO	|	|	|	6.86
23.917	0.95	1.38	3.719	|IO	|	|	|	6.86
24.000	0.95	1.37	3.716	|IO	|	|	|	6.86
24.083	0.51	1.37	3.712	I O	|	|	|	6.85
24.167	0.11	1.36	3.704	I O	|	|	|	6.84
24.250	0.03	1.35	3.696	I O	|	|	|	6.83
24.333	0.00	1.35	3.686	I O	|	|	|	6.81
24.417	0.00	1.34	3.677	I O	|	|	|	6.80
24.500	0.00	1.33	3.668	I O	|	|	|	6.79
24.583	0.00	1.32	3.659	I O	|	|	|	6.78
24.667	0.00	1.31	3.650	I O	|	|	|	6.76
24.750	0.00	1.30	3.641	I O	|	|	|	6.75
24.833	0.00	1.29	3.632	I O	|	|	|	6.74
24.917	0.00	1.29	3.623	I O	|	|	|	6.73
25.000	0.00	1.28	3.614	I O	|	|	|	6.71
25.083	0.00	1.27	3.605	I O	|	|	|	6.70
25.167	0.00	1.26	3.597	I O	|	|	|	6.69
25.250	0.00	1.25	3.588	I O	|	|	|	6.68
25.333	0.00	1.25	3.579	I O	|	|	|	6.67
25.417	0.00	1.24	3.571	I O	|	|	|	6.65
25.500	0.00	1.23	3.562	I O	|	|	|	6.64
25.583	0.00	1.22	3.554	I O	|	|	|	6.63
25.667	0.00	1.21	3.545	I O	|	|	|	6.62
25.750	0.00	1.21	3.537	I O	|	|	|	6.61
25.833	0.00	1.20	3.529	I O	|	|	|	6.60
25.917	0.00	1.19	3.521	I O	|	|	|	6.58
26.000	0.00	1.18	3.512	I O	|	|	|	6.57
26.083	0.00	1.18	3.504	I O	|	|	|	6.56
26.167	0.00	1.17	3.496	I O	|	|	|	6.55
26.250	0.00	1.16	3.488	I O	|	|	|	6.54
26.333	0.00	1.15	3.480	I O	|	|	|	6.53
26.417	0.00	1.15	3.472	I O	|	|	|	6.52
26.500	0.00	1.14	3.464	IO	|	|	|	6.51
26.583	0.00	1.13	3.457	IO	|	|	|	6.50
26.667	0.00	1.12	3.449	IO	|	|	|	6.48
26.750	0.00	1.12	3.441	IO	|	|	|	6.47
26.833	0.00	1.11	3.433	IO	|	|	|	6.46
26.917	0.00	1.10	3.426	IO	|	|	|	6.45
27.000	0.00	1.10	3.418	IO	|	|	|	6.44
27.083	0.00	1.09	3.411	IO	|	|	|	6.43
27.167	0.00	1.08	3.403	IO	|	|	|	6.42
27.250	0.00	1.08	3.396	IO	|	|	|	6.41
27.333	0.00	1.07	3.388	IO	|	|	|	6.40
27.417	0.00	1.06	3.381	IO	|	|	|	6.39
27.500	0.00	1.05	3.374	IO	|	|	|	6.38
27.583	0.00	1.05	3.367	IO	|	|	|	6.37
27.667	0.00	1.04	3.359	IO	|	|	|	6.36
27.750	0.00	1.03	3.352	IO	|	|	|	6.35
27.833	0.00	1.03	3.345	IO	|	|	|	6.34
27.917	0.00	1.02	3.338	IO	|	|	|	6.33
28.000	0.00	1.01	3.331	IO	|	|	|	6.32

28.083	0.00	1.01	3.324	IO					6.31
28.167	0.00	1.00	3.317	IO					6.30
28.250	0.00	1.00	3.310	IO					6.29
28.333	0.00	0.99	3.303	IO					6.28
28.417	0.00	0.98	3.297	IO					6.27
28.500	0.00	0.98	3.290	IO					6.26
28.583	0.00	0.97	3.283	IO					6.25
28.667	0.00	0.96	3.277	IO					6.25
28.750	0.00	0.96	3.270	IO					6.24
28.833	0.00	0.95	3.263	IO					6.23
28.917	0.00	0.95	3.257	IO					6.22
29.000	0.00	0.94	3.250	IO					6.21
29.083	0.00	0.93	3.244	IO					6.20
29.167	0.00	0.93	3.237	IO					6.19
29.250	0.00	0.92	3.231	IO					6.18
29.333	0.00	0.92	3.225	IO					6.17
29.417	0.00	0.91	3.218	IO					6.16
29.500	0.00	0.90	3.212	IO					6.16
29.583	0.00	0.90	3.206	IO					6.15
29.667	0.00	0.89	3.200	IO					6.14
29.750	0.00	0.89	3.194	IO					6.13
29.833	0.00	0.88	3.188	IO					6.12
29.917	0.00	0.88	3.182	IO					6.11
30.000	0.00	0.87	3.176	IO					6.10
30.083	0.00	0.86	3.170	IO					6.10
30.167	0.00	0.86	3.164	IO					6.09
30.250	0.00	0.85	3.158	IO					6.08
30.333	0.00	0.85	3.152	IO					6.07
30.417	0.00	0.84	3.146	IO					6.06
30.500	0.00	0.84	3.140	IO					6.06
30.583	0.00	0.83	3.134	IO					6.05
30.667	0.00	0.83	3.129	IO					6.04
30.750	0.00	0.82	3.123	IO					6.03
30.833	0.00	0.82	3.117	IO					6.02
30.917	0.00	0.81	3.112	IO					6.02
31.000	0.00	0.81	3.106	IO					6.01
31.083	0.00	0.80	3.101	IO					6.00
31.167	0.00	0.80	3.095	IO					5.99
31.250	0.00	0.80	3.090	IO					5.98
31.333	0.00	0.80	3.084	IO					5.98
31.417	0.00	0.80	3.079	IO					5.97
31.500	0.00	0.80	3.073	IO					5.96
31.583	0.00	0.80	3.068	IO					5.95
31.667	0.00	0.80	3.062	IO					5.94
31.750	0.00	0.80	3.057	IO					5.93
31.833	0.00	0.79	3.051	IO					5.93
31.917	0.00	0.79	3.046	IO					5.92
32.000	0.00	0.79	3.040	IO					5.91
32.083	0.00	0.79	3.035	IO					5.90
32.167	0.00	0.79	3.029	IO					5.89
32.250	0.00	0.79	3.024	IO					5.88
32.333	0.00	0.79	3.019	IO					5.88
32.417	0.00	0.79	3.013	IO					5.87
32.500	0.00	0.79	3.008	IO					5.86
32.583	0.00	0.79	3.002	IO					5.85
32.667	0.00	0.79	2.997	IO					5.84
32.750	0.00	0.79	2.991	IO					5.84
32.833	0.00	0.79	2.986	IO					5.83
32.917	0.00	0.79	2.981	IO					5.82
33.000	0.00	0.79	2.975	IO					5.81
33.083	0.00	0.79	2.970	IO					5.80
33.167	0.00	0.79	2.964	IO					5.79
33.250	0.00	0.79	2.959	IO					5.79
33.333	0.00	0.78	2.953	IO					5.78
33.417	0.00	0.78	2.948	IO					5.77
33.500	0.00	0.78	2.943	IO					5.76
33.583	0.00	0.78	2.937	IO					5.75

33.667	0.00	0.78	2.932	IO				5.75
33.750	0.00	0.78	2.926	IO				5.74
33.833	0.00	0.78	2.921	IO				5.73
33.917	0.00	0.78	2.916	IO				5.72
34.000	0.00	0.78	2.910	IO				5.71
34.083	0.00	0.78	2.905	IO				5.70
34.167	0.00	0.78	2.900	IO				5.70
34.250	0.00	0.78	2.894	IO				5.69
34.333	0.00	0.78	2.889	IO				5.68
34.417	0.00	0.78	2.884	IO				5.67
34.500	0.00	0.78	2.878	IO				5.66
34.583	0.00	0.78	2.873	IO				5.66
34.667	0.00	0.78	2.868	IO				5.65
34.750	0.00	0.77	2.862	IO				5.64
34.833	0.00	0.77	2.857	IO				5.63
34.917	0.00	0.77	2.852	IO				5.62
35.000	0.00	0.77	2.846	IO				5.62
35.083	0.00	0.77	2.841	IO				5.61
35.167	0.00	0.77	2.836	IO				5.60
35.250	0.00	0.77	2.830	IO				5.59
35.333	0.00	0.77	2.825	IO				5.58
35.417	0.00	0.77	2.820	IO				5.58
35.500	0.00	0.77	2.814	IO				5.57
35.583	0.00	0.77	2.809	IO				5.56
35.667	0.00	0.77	2.804	IO				5.55
35.750	0.00	0.77	2.798	IO				5.54
35.833	0.00	0.77	2.793	IO				5.54
35.917	0.00	0.77	2.788	IO				5.53
36.000	0.00	0.77	2.783	IO				5.52
36.083	0.00	0.77	2.777	IO				5.51
36.167	0.00	0.77	2.772	IO				5.50
36.250	0.00	0.76	2.767	IO				5.50
36.333	0.00	0.76	2.761	IO				5.49
36.417	0.00	0.76	2.756	IO				5.48
36.500	0.00	0.76	2.751	IO				5.47
36.583	0.00	0.76	2.746	IO				5.46
36.667	0.00	0.76	2.740	IO				5.46
36.750	0.00	0.76	2.735	IO				5.45
36.833	0.00	0.76	2.730	IO				5.44
36.917	0.00	0.76	2.725	IO				5.43
37.000	0.00	0.76	2.720	IO				5.42
37.083	0.00	0.76	2.714	IO				5.42
37.167	0.00	0.76	2.709	IO				5.41
37.250	0.00	0.76	2.704	IO				5.40
37.333	0.00	0.76	2.699	IO				5.39
37.417	0.00	0.76	2.693	IO				5.38
37.500	0.00	0.76	2.688	IO				5.38
37.583	0.00	0.76	2.683	IO				5.37
37.667	0.00	0.76	2.678	IO				5.36
37.750	0.00	0.75	2.673	IO				5.35
37.833	0.00	0.75	2.667	IO				5.34
37.917	0.00	0.75	2.662	IO				5.34
38.000	0.00	0.75	2.657	IO				5.33
38.083	0.00	0.75	2.652	IO				5.32
38.167	0.00	0.75	2.647	IO				5.31
38.250	0.00	0.75	2.641	IO				5.31
38.333	0.00	0.75	2.636	IO				5.30
38.417	0.00	0.75	2.631	IO				5.29
38.500	0.00	0.75	2.626	IO				5.28
38.583	0.00	0.75	2.621	IO				5.27
38.667	0.00	0.75	2.616	IO				5.27
38.750	0.00	0.75	2.610	IO				5.26
38.833	0.00	0.75	2.605	IO				5.25
38.917	0.00	0.75	2.600	IO				5.24
39.000	0.00	0.75	2.595	IO				5.23
39.083	0.00	0.75	2.590	IO				5.23
39.167	0.00	0.75	2.585	IO				5.22

39.250	0.00	0.74	2.580	IO				5.21
39.333	0.00	0.74	2.575	IO				5.20
39.417	0.00	0.74	2.569	IO				5.20
39.500	0.00	0.74	2.564	IO				5.19
39.583	0.00	0.74	2.559	IO				5.18
39.667	0.00	0.74	2.554	IO				5.17
39.750	0.00	0.74	2.549	IO				5.17
39.833	0.00	0.74	2.544	IO				5.16
39.917	0.00	0.74	2.539	IO				5.15
40.000	0.00	0.74	2.534	IO				5.14
40.083	0.00	0.74	2.529	IO				5.13
40.167	0.00	0.74	2.523	IO				5.13
40.250	0.00	0.74	2.518	IO				5.12
40.333	0.00	0.74	2.513	IO				5.11
40.417	0.00	0.74	2.508	IO				5.10
40.500	0.00	0.74	2.503	IO				5.10
40.583	0.00	0.74	2.498	IO				5.09
40.667	0.00	0.74	2.493	IO				5.08
40.750	0.00	0.74	2.488	IO				5.07
40.833	0.00	0.73	2.483	IO				5.06
40.917	0.00	0.73	2.478	IO				5.06
41.000	0.00	0.73	2.473	IO				5.05
41.083	0.00	0.73	2.468	IO				5.04
41.167	0.00	0.73	2.463	IO				5.03
41.250	0.00	0.73	2.458	IO				5.03
41.333	0.00	0.73	2.453	IO				5.02
41.417	0.00	0.73	2.448	IO				5.01
41.500	0.00	0.73	2.442	IO				5.00
41.583	0.00	0.73	2.437	IO				5.00
41.667	0.00	0.73	2.432	IO				4.99
41.750	0.00	0.73	2.427	IO				4.98
41.833	0.00	0.73	2.422	IO				4.97
41.917	0.00	0.73	2.417	IO				4.96
42.000	0.00	0.73	2.412	IO				4.95
42.083	0.00	0.73	2.407	IO				4.95
42.167	0.00	0.72	2.402	IO				4.94
42.250	0.00	0.72	2.397	IO				4.93
42.333	0.00	0.72	2.392	IO				4.92
42.417	0.00	0.72	2.387	IO				4.91
42.500	0.00	0.72	2.382	IO				4.90
42.583	0.00	0.72	2.377	IO				4.90
42.667	0.00	0.72	2.373	IO				4.89
42.750	0.00	0.72	2.368	IO				4.88
42.833	0.00	0.72	2.363	IO				4.87
42.917	0.00	0.72	2.358	IO				4.86
43.000	0.00	0.72	2.353	IO				4.85
43.083	0.00	0.72	2.348	IO				4.85
43.167	0.00	0.72	2.343	IO				4.84
43.250	0.00	0.72	2.338	IO				4.83
43.333	0.00	0.72	2.333	IO				4.82
43.417	0.00	0.72	2.328	IO				4.81
43.500	0.00	0.71	2.323	IO				4.81
43.583	0.00	0.71	2.318	IO				4.80
43.667	0.00	0.71	2.313	IO				4.79
43.750	0.00	0.71	2.308	IO				4.78
43.833	0.00	0.71	2.303	IO				4.77
43.917	0.00	0.71	2.299	IO				4.76
44.000	0.00	0.71	2.294	IO				4.76
44.083	0.00	0.71	2.289	IO				4.75
44.167	0.00	0.71	2.284	IO				4.74
44.250	0.00	0.71	2.279	IO				4.73
44.333	0.00	0.71	2.274	IO				4.72
44.417	0.00	0.71	2.269	IO				4.72
44.500	0.00	0.71	2.264	IO				4.71
44.583	0.00	0.71	2.260	IO				4.70
44.667	0.00	0.71	2.255	IO				4.69
44.750	0.00	0.70	2.250	IO				4.68

44.833	0.00	0.70	2.245	IO				4.67
44.917	0.00	0.70	2.240	IO				4.67
45.000	0.00	0.70	2.235	IO				4.66
45.083	0.00	0.70	2.230	IO				4.65
45.167	0.00	0.70	2.226	IO				4.64
45.250	0.00	0.70	2.221	IO				4.63
45.333	0.00	0.70	2.216	IO				4.63
45.417	0.00	0.70	2.211	IO				4.62
45.500	0.00	0.70	2.206	IO				4.61
45.583	0.00	0.70	2.201	IO				4.60
45.667	0.00	0.70	2.197	IO				4.59
45.750	0.00	0.70	2.192	IO				4.59
45.833	0.00	0.70	2.187	IO				4.58
45.917	0.00	0.70	2.182	IO				4.57
46.000	0.00	0.70	2.178	IO				4.56
46.083	0.00	0.69	2.173	IO				4.55
46.167	0.00	0.69	2.168	IO				4.55
46.250	0.00	0.69	2.163	IO				4.54
46.333	0.00	0.69	2.158	IO				4.53
46.417	0.00	0.69	2.154	IO				4.52
46.500	0.00	0.69	2.149	IO				4.51
46.583	0.00	0.69	2.144	IO				4.51
46.667	0.00	0.69	2.139	IO				4.50
46.750	0.00	0.69	2.135	IO				4.49
46.833	0.00	0.69	2.130	IO				4.48
46.917	0.00	0.69	2.125	IO				4.48
47.000	0.00	0.69	2.120	IO				4.47
47.083	0.00	0.69	2.116	IO				4.46
47.167	0.00	0.69	2.111	IO				4.45
47.250	0.00	0.69	2.106	IO				4.44
47.333	0.00	0.68	2.101	IO				4.44
47.417	0.00	0.68	2.097	IO				4.43
47.500	0.00	0.68	2.092	IO				4.42
47.583	0.00	0.68	2.087	IO				4.41
47.667	0.00	0.68	2.083	IO				4.40
47.750	0.00	0.68	2.078	IO				4.40
47.833	0.00	0.68	2.073	IO				4.39
47.917	0.00	0.68	2.069	IO				4.38
48.000	0.00	0.68	2.064	IO				4.37
48.083	0.00	0.68	2.059	IO				4.37
48.167	0.00	0.68	2.055	IO				4.36
48.250	0.00	0.68	2.050	IO				4.35
48.333	0.00	0.68	2.045	IO				4.34
48.417	0.00	0.68	2.041	IO				4.33
48.500	0.00	0.68	2.036	IO				4.33
48.583	0.00	0.68	2.031	IO				4.32
48.667	0.00	0.67	2.027	IO				4.31
48.750	0.00	0.67	2.022	IO				4.30
48.833	0.00	0.67	2.017	IO				4.30
48.917	0.00	0.67	2.013	IO				4.29
49.000	0.00	0.67	2.008	IO				4.28
49.083	0.00	0.67	2.003	IO				4.27
49.167	0.00	0.67	1.999	IO				4.26
49.250	0.00	0.67	1.994	IO				4.26
49.333	0.00	0.67	1.990	IO				4.25
49.417	0.00	0.67	1.985	IO				4.24
49.500	0.00	0.67	1.980	IO				4.23
49.583	0.00	0.67	1.976	IO				4.23
49.667	0.00	0.67	1.971	IO				4.22
49.750	0.00	0.67	1.967	IO				4.21
49.833	0.00	0.67	1.962	IO				4.20
49.917	0.00	0.67	1.957	IO				4.20
50.000	0.00	0.67	1.953	IO				4.19
50.083	0.00	0.66	1.948	IO				4.18
50.167	0.00	0.66	1.944	IO				4.17
50.250	0.00	0.66	1.939	IO				4.17
50.333	0.00	0.66	1.934	IO				4.16

50.417	0.00	0.66	1.930	IO				4.15
50.500	0.00	0.66	1.925	IO				4.14
50.583	0.00	0.66	1.921	IO				4.13
50.667	0.00	0.66	1.916	IO				4.13
50.750	0.00	0.66	1.912	IO				4.12
50.833	0.00	0.66	1.907	IO				4.11
50.917	0.00	0.66	1.903	IO				4.10
51.000	0.00	0.66	1.898	IO				4.10
51.083	0.00	0.66	1.894	IO				4.09
51.167	0.00	0.66	1.889	IO				4.08
51.250	0.00	0.66	1.885	IO				4.07
51.333	0.00	0.66	1.880	IO				4.07
51.417	0.00	0.65	1.875	IO				4.06
51.500	0.00	0.65	1.871	IO				4.05
51.583	0.00	0.65	1.866	IO				4.04
51.667	0.00	0.65	1.862	IO				4.04
51.750	0.00	0.65	1.857	IO				4.03
51.833	0.00	0.65	1.853	IO				4.02
51.917	0.00	0.65	1.849	IO				4.01
52.000	0.00	0.65	1.844	IO				4.01
52.083	0.00	0.65	1.840	IO				4.00
52.167	0.00	0.65	1.835	IO				3.99
52.250	0.00	0.65	1.831	IO				3.98
52.333	0.00	0.65	1.826	IO				3.97
52.417	0.00	0.65	1.822	IO				3.97
52.500	0.00	0.65	1.817	IO				3.96
52.583	0.00	0.64	1.813	IO				3.95
52.667	0.00	0.64	1.808	IO				3.94
52.750	0.00	0.64	1.804	IO				3.93
52.833	0.00	0.64	1.799	IO				3.92
52.917	0.00	0.64	1.795	IO				3.92
53.000	0.00	0.64	1.791	IO				3.91
53.083	0.00	0.64	1.786	IO				3.90
53.167	0.00	0.64	1.782	IO				3.89
53.250	0.00	0.64	1.777	IO				3.88
53.333	0.00	0.64	1.773	IO				3.88
53.417	0.00	0.64	1.769	IO				3.87
53.500	0.00	0.64	1.764	IO				3.86
53.583	0.00	0.64	1.760	IO				3.85
53.667	0.00	0.63	1.756	IO				3.84
53.750	0.00	0.63	1.751	IO				3.84
53.833	0.00	0.63	1.747	IO				3.83
53.917	0.00	0.63	1.742	IO				3.82
54.000	0.00	0.63	1.738	IO				3.81
54.083	0.00	0.63	1.734	IO				3.80
54.167	0.00	0.63	1.729	IO				3.80
54.250	0.00	0.63	1.725	IO				3.79
54.333	0.00	0.63	1.721	IO				3.78
54.417	0.00	0.63	1.716	IO				3.77
54.500	0.00	0.63	1.712	IO				3.76
54.583	0.00	0.63	1.708	IO				3.76
54.667	0.00	0.62	1.703	IO				3.75
54.750	0.00	0.62	1.699	IO				3.74
54.833	0.00	0.62	1.695	IO				3.73
54.917	0.00	0.62	1.691	IO				3.72
55.000	0.00	0.62	1.686	IO				3.72
55.083	0.00	0.62	1.682	IO				3.71
55.167	0.00	0.62	1.678	IO				3.70
55.250	0.00	0.62	1.674	IO				3.69
55.333	0.00	0.62	1.669	IO				3.68
55.417	0.00	0.62	1.665	IO				3.68
55.500	0.00	0.62	1.661	IO				3.67
55.583	0.00	0.62	1.657	IO				3.66
55.667	0.00	0.62	1.652	IO				3.65
55.750	0.00	0.61	1.648	IO				3.64
55.833	0.00	0.61	1.644	IO				3.64
55.917	0.00	0.61	1.640	IO				3.63

56.000	0.00	0.61	1.635	IO				3.62
56.083	0.00	0.61	1.631	IO				3.61
56.167	0.00	0.61	1.627	IO				3.61
56.250	0.00	0.61	1.623	IO				3.60
56.333	0.00	0.61	1.619	IO				3.59
56.417	0.00	0.61	1.614	IO				3.58
56.500	0.00	0.61	1.610	IO				3.57
56.583	0.00	0.61	1.606	IO				3.57
56.667	0.00	0.61	1.602	IO				3.56
56.750	0.00	0.61	1.598	IO				3.55
56.833	0.00	0.60	1.593	IO				3.54
56.917	0.00	0.60	1.589	IO				3.54
57.000	0.00	0.60	1.585	IO				3.53
57.083	0.00	0.60	1.581	IO				3.52
57.167	0.00	0.60	1.577	IO				3.51
57.250	0.00	0.60	1.573	IO				3.51
57.333	0.00	0.60	1.569	IO				3.50
57.417	0.00	0.60	1.564	IO				3.49
57.500	0.00	0.60	1.560	IO				3.48
57.583	0.00	0.60	1.556	IO				3.47
57.667	0.00	0.60	1.552	IO				3.47
57.750	0.00	0.60	1.548	IO				3.46
57.833	0.00	0.60	1.544	IO				3.45
57.917	0.00	0.59	1.540	IO				3.44
58.000	0.00	0.59	1.536	IO				3.44
58.083	0.00	0.59	1.532	IO				3.43
58.167	0.00	0.59	1.528	IO				3.42
58.250	0.00	0.59	1.523	IO				3.41
58.333	0.00	0.59	1.519	IO				3.41
58.417	0.00	0.59	1.515	IO				3.40
58.500	0.00	0.59	1.511	IO				3.39
58.583	0.00	0.59	1.507	IO				3.38
58.667	0.00	0.59	1.503	IO				3.38
58.750	0.00	0.59	1.499	IO				3.37
58.833	0.00	0.59	1.495	IO				3.36
58.917	0.00	0.59	1.491	IO				3.35
59.000	0.00	0.58	1.487	IO				3.35
59.083	0.00	0.58	1.483	IO				3.34
59.167	0.00	0.58	1.479	IO				3.33
59.250	0.00	0.58	1.475	IO				3.32
59.333	0.00	0.58	1.471	IO				3.32
59.417	0.00	0.58	1.467	IO				3.31
59.500	0.00	0.58	1.463	IO				3.30
59.583	0.00	0.58	1.459	IO				3.29
59.667	0.00	0.58	1.455	IO				3.29
59.750	0.00	0.58	1.451	IO				3.28
59.833	0.00	0.58	1.447	IO				3.27
59.917	0.00	0.58	1.443	IO				3.26
60.000	0.00	0.58	1.439	IO				3.26
60.083	0.00	0.58	1.435	IO				3.25
60.167	0.00	0.57	1.431	IO				3.24
60.250	0.00	0.57	1.427	IO				3.24
60.333	0.00	0.57	1.423	IO				3.23
60.417	0.00	0.57	1.419	IO				3.22
60.500	0.00	0.57	1.415	IO				3.21
60.583	0.00	0.57	1.411	O				3.21
60.667	0.00	0.57	1.408	O				3.20
60.750	0.00	0.57	1.404	O				3.19
60.833	0.00	0.57	1.400	O				3.18
60.917	0.00	0.57	1.396	O				3.18
61.000	0.00	0.57	1.392	O				3.17
61.083	0.00	0.57	1.388	O				3.16
61.167	0.00	0.57	1.384	O				3.16
61.250	0.00	0.56	1.380	O				3.15
61.333	0.00	0.56	1.376	O				3.14
61.417	0.00	0.56	1.372	O				3.13
61.500	0.00	0.56	1.369	O				3.13

61.583	0.00	0.56	1.365	O	|	|	|	3.12
61.667	0.00	0.56	1.361	O	|	|	|	3.11
61.750	0.00	0.56	1.357	O	|	|	|	3.11
61.833	0.00	0.56	1.353	O	|	|	|	3.10
61.917	0.00	0.56	1.349	O	|	|	|	3.09
62.000	0.00	0.56	1.345	O	|	|	|	3.08
62.083	0.00	0.56	1.342	O	|	|	|	3.08
62.167	0.00	0.56	1.338	O	|	|	|	3.07
62.250	0.00	0.56	1.334	O	|	|	|	3.06
62.333	0.00	0.56	1.330	O	|	|	|	3.06
62.417	0.00	0.55	1.326	O	|	|	|	3.05
62.500	0.00	0.55	1.322	O	|	|	|	3.04
62.583	0.00	0.55	1.319	O	|	|	|	3.03
62.667	0.00	0.55	1.315	O	|	|	|	3.03
62.750	0.00	0.55	1.311	O	|	|	|	3.02
62.833	0.00	0.55	1.307	O	|	|	|	3.01
62.917	0.00	0.55	1.303	O	|	|	|	3.01
63.000	0.00	0.55	1.300	O	|	|	|	3.00
63.083	0.00	0.55	1.296	O	|	|	|	2.99
63.167	0.00	0.55	1.292	O	|	|	|	2.98
63.250	0.00	0.55	1.288	O	|	|	|	2.98
63.333	0.00	0.55	1.284	O	|	|	|	2.97
63.417	0.00	0.55	1.281	O	|	|	|	2.96
63.500	0.00	0.54	1.277	O	|	|	|	2.95
63.583	0.00	0.54	1.273	O	|	|	|	2.95
63.667	0.00	0.54	1.269	O	|	|	|	2.94
63.750	0.00	0.54	1.266	O	|	|	|	2.93
63.833	0.00	0.54	1.262	O	|	|	|	2.92
63.917	0.00	0.54	1.258	O	|	|	|	2.91
64.000	0.00	0.54	1.255	O	|	|	|	2.91
64.083	0.00	0.54	1.251	O	|	|	|	2.90
64.167	0.00	0.54	1.247	O	|	|	|	2.89
64.250	0.00	0.54	1.243	O	|	|	|	2.88
64.333	0.00	0.54	1.240	O	|	|	|	2.88
64.417	0.00	0.54	1.236	O	|	|	|	2.87
64.500	0.00	0.53	1.232	O	|	|	|	2.86
64.583	0.00	0.53	1.229	O	|	|	|	2.85
64.667	0.00	0.53	1.225	O	|	|	|	2.85
64.750	0.00	0.53	1.221	O	|	|	|	2.84
64.833	0.00	0.53	1.218	O	|	|	|	2.83
64.917	0.00	0.53	1.214	O	|	|	|	2.82
65.000	0.00	0.53	1.210	O	|	|	|	2.82
65.083	0.00	0.53	1.207	O	|	|	|	2.81
65.167	0.00	0.53	1.203	O	|	|	|	2.80
65.250	0.00	0.53	1.199	O	|	|	|	2.79
65.333	0.00	0.53	1.196	O	|	|	|	2.79
65.417	0.00	0.53	1.192	O	|	|	|	2.78
65.500	0.00	0.52	1.189	O	|	|	|	2.77
65.583	0.00	0.52	1.185	O	|	|	|	2.77
65.667	0.00	0.52	1.181	O	|	|	|	2.76
65.750	0.00	0.52	1.178	O	|	|	|	2.75
65.833	0.00	0.52	1.174	O	|	|	|	2.74
65.917	0.00	0.52	1.171	O	|	|	|	2.74
66.000	0.00	0.52	1.167	O	|	|	|	2.73
66.083	0.00	0.52	1.163	O	|	|	|	2.72
66.167	0.00	0.52	1.160	O	|	|	|	2.71
66.250	0.00	0.52	1.156	O	|	|	|	2.71
66.333	0.00	0.52	1.153	O	|	|	|	2.70
66.417	0.00	0.52	1.149	O	|	|	|	2.69
66.500	0.00	0.52	1.146	O	|	|	|	2.68
66.583	0.00	0.51	1.142	O	|	|	|	2.68
66.667	0.00	0.51	1.138	O	|	|	|	2.67
66.750	0.00	0.51	1.135	O	|	|	|	2.66
66.833	0.00	0.51	1.131	O	|	|	|	2.66
66.917	0.00	0.51	1.128	O	|	|	|	2.65
67.000	0.00	0.51	1.124	O	|	|	|	2.64
67.083	0.00	0.51	1.121	O	|	|	|	2.63

67.167	0.00	0.51	1.117	O	|	|	|	2.63
67.250	0.00	0.51	1.114	O	|	|	|	2.62
67.333	0.00	0.51	1.110	O	|	|	|	2.61
67.417	0.00	0.51	1.107	O	|	|	|	2.61
67.500	0.00	0.51	1.103	O	|	|	|	2.60
67.583	0.00	0.51	1.100	O	|	|	|	2.59
67.667	0.00	0.50	1.096	O	|	|	|	2.58
67.750	0.00	0.50	1.093	O	|	|	|	2.58
67.833	0.00	0.50	1.089	O	|	|	|	2.57
67.917	0.00	0.50	1.086	O	|	|	|	2.56
68.000	0.00	0.50	1.083	O	|	|	|	2.56
68.083	0.00	0.50	1.079	O	|	|	|	2.55
68.167	0.00	0.50	1.076	O	|	|	|	2.54
68.250	0.00	0.50	1.072	O	|	|	|	2.54
68.333	0.00	0.50	1.069	O	|	|	|	2.53
68.417	0.00	0.50	1.065	O	|	|	|	2.52
68.500	0.00	0.50	1.062	O	|	|	|	2.51
68.583	0.00	0.50	1.059	O	|	|	|	2.51
68.667	0.00	0.50	1.055	O	|	|	|	2.50
68.750	0.00	0.49	1.052	O	|	|	|	2.49
68.833	0.00	0.49	1.048	O	|	|	|	2.49
68.917	0.00	0.49	1.045	O	|	|	|	2.48
69.000	0.00	0.49	1.042	O	|	|	|	2.47
69.083	0.00	0.49	1.038	O	|	|	|	2.47
69.167	0.00	0.49	1.035	O	|	|	|	2.46
69.250	0.00	0.49	1.031	O	|	|	|	2.45
69.333	0.00	0.49	1.028	O	|	|	|	2.44
69.417	0.00	0.49	1.025	O	|	|	|	2.44
69.500	0.00	0.49	1.021	O	|	|	|	2.43
69.583	0.00	0.49	1.018	O	|	|	|	2.42
69.667	0.00	0.49	1.015	O	|	|	|	2.42
69.750	0.00	0.49	1.011	O	|	|	|	2.41
69.833	0.00	0.48	1.008	O	|	|	|	2.40
69.917	0.00	0.48	1.005	O	|	|	|	2.40
70.000	0.00	0.48	1.001	O	|	|	|	2.39
70.083	0.00	0.48	0.998	O	|	|	|	2.38
70.167	0.00	0.48	0.995	O	|	|	|	2.38
70.250	0.00	0.48	0.991	O	|	|	|	2.37
70.333	0.00	0.48	0.988	O	|	|	|	2.36
70.417	0.00	0.48	0.985	O	|	|	|	2.36
70.500	0.00	0.48	0.981	O	|	|	|	2.35
70.583	0.00	0.48	0.978	O	|	|	|	2.34
70.667	0.00	0.48	0.975	O	|	|	|	2.34
70.750	0.00	0.48	0.971	O	|	|	|	2.33
70.833	0.00	0.48	0.968	O	|	|	|	2.32
70.917	0.00	0.47	0.965	O	|	|	|	2.32
71.000	0.00	0.47	0.962	O	|	|	|	2.31
71.083	0.00	0.47	0.958	O	|	|	|	2.30
71.167	0.00	0.47	0.955	O	|	|	|	2.30
71.250	0.00	0.47	0.952	O	|	|	|	2.29
71.333	0.00	0.47	0.949	O	|	|	|	2.28
71.417	0.00	0.47	0.945	O	|	|	|	2.28
71.500	0.00	0.47	0.942	O	|	|	|	2.27
71.583	0.00	0.47	0.939	O	|	|	|	2.26
71.667	0.00	0.47	0.936	O	|	|	|	2.26
71.750	0.00	0.47	0.932	O	|	|	|	2.25
71.833	0.00	0.47	0.929	O	|	|	|	2.24
71.917	0.00	0.47	0.926	O	|	|	|	2.24
72.000	0.00	0.47	0.923	O	|	|	|	2.23
72.083	0.00	0.46	0.920	O	|	|	|	2.22
72.167	0.00	0.46	0.916	O	|	|	|	2.22
72.250	0.00	0.46	0.913	O	|	|	|	2.21
72.333	0.00	0.46	0.910	O	|	|	|	2.20
72.417	0.00	0.46	0.907	O	|	|	|	2.20
72.500	0.00	0.46	0.904	O	|	|	|	2.19
72.583	0.00	0.46	0.901	O	|	|	|	2.18
72.667	0.00	0.46	0.897	O	|	|	|	2.18

72.750	0.00	0.46	0.894	O	|	|	|	|	2.17
72.833	0.00	0.46	0.891	O	|	|	|	|	2.17
72.917	0.00	0.46	0.888	O	|	|	|	|	2.16
73.000	0.00	0.46	0.885	O	|	|	|	|	2.15
73.083	0.00	0.46	0.882	O	|	|	|	|	2.15
73.167	0.00	0.46	0.878	O	|	|	|	|	2.14
73.250	0.00	0.45	0.875	O	|	|	|	|	2.13
73.333	0.00	0.45	0.872	O	|	|	|	|	2.13
73.417	0.00	0.45	0.869	O	|	|	|	|	2.12
73.500	0.00	0.45	0.866	O	|	|	|	|	2.11
73.583	0.00	0.45	0.863	O	|	|	|	|	2.11
73.667	0.00	0.45	0.860	O	|	|	|	|	2.10
73.750	0.00	0.45	0.857	O	|	|	|	|	2.10
73.833	0.00	0.45	0.854	O	|	|	|	|	2.09
73.917	0.00	0.45	0.850	O	|	|	|	|	2.08
74.000	0.00	0.45	0.847	O	|	|	|	|	2.08
74.083	0.00	0.45	0.844	O	|	|	|	|	2.07
74.167	0.00	0.45	0.841	O	|	|	|	|	2.06
74.250	0.00	0.45	0.838	O	|	|	|	|	2.06
74.333	0.00	0.45	0.835	O	|	|	|	|	2.05
74.417	0.00	0.44	0.832	O	|	|	|	|	2.04
74.500	0.00	0.44	0.829	O	|	|	|	|	2.04
74.583	0.00	0.44	0.826	O	|	|	|	|	2.03
74.667	0.00	0.44	0.823	O	|	|	|	|	2.03
74.750	0.00	0.44	0.820	O	|	|	|	|	2.02
74.833	0.00	0.44	0.817	O	|	|	|	|	2.01
74.917	0.00	0.44	0.814	O	|	|	|	|	2.01
75.000	0.00	0.44	0.811	O	|	|	|	|	2.00
75.083	0.00	0.44	0.808	O	|	|	|	|	1.99
75.167	0.00	0.44	0.805	O	|	|	|	|	1.99
75.250	0.00	0.44	0.802	O	|	|	|	|	1.98
75.333	0.00	0.44	0.799	O	|	|	|	|	1.97
75.417	0.00	0.43	0.796	O	|	|	|	|	1.97
75.500	0.00	0.43	0.793	O	|	|	|	|	1.96
75.583	0.00	0.43	0.790	O	|	|	|	|	1.95
75.667	0.00	0.43	0.787	O	|	|	|	|	1.95
75.750	0.00	0.43	0.784	O	|	|	|	|	1.94
75.833	0.00	0.43	0.781	O	|	|	|	|	1.93
75.917	0.00	0.43	0.778	O	|	|	|	|	1.92
76.000	0.00	0.43	0.775	O	|	|	|	|	1.92
76.083	0.00	0.43	0.772	O	|	|	|	|	1.91
76.167	0.00	0.43	0.769	O	|	|	|	|	1.90
76.250	0.00	0.42	0.766	O	|	|	|	|	1.90
76.333	0.00	0.42	0.763	O	|	|	|	|	1.89
76.417	0.00	0.42	0.760	O	|	|	|	|	1.88
76.500	0.00	0.42	0.757	O	|	|	|	|	1.88
76.583	0.00	0.42	0.754	O	|	|	|	|	1.87
76.667	0.00	0.42	0.751	O	|	|	|	|	1.86
76.750	0.00	0.42	0.749	O	|	|	|	|	1.86
76.833	0.00	0.42	0.746	O	|	|	|	|	1.85
76.917	0.00	0.42	0.743	O	|	|	|	|	1.84
77.000	0.00	0.42	0.740	O	|	|	|	|	1.84
77.083	0.00	0.41	0.737	O	|	|	|	|	1.83
77.167	0.00	0.41	0.734	O	|	|	|	|	1.82
77.250	0.00	0.41	0.731	O	|	|	|	|	1.82
77.333	0.00	0.41	0.729	O	|	|	|	|	1.81
77.417	0.00	0.41	0.726	O	|	|	|	|	1.80
77.500	0.00	0.41	0.723	O	|	|	|	|	1.80
77.583	0.00	0.41	0.720	O	|	|	|	|	1.79
77.667	0.00	0.41	0.717	O	|	|	|	|	1.78
77.750	0.00	0.41	0.714	O	|	|	|	|	1.78
77.833	0.00	0.41	0.712	O	|	|	|	|	1.77
77.917	0.00	0.40	0.709	O	|	|	|	|	1.76
78.000	0.00	0.40	0.706	O	|	|	|	|	1.76
78.083	0.00	0.40	0.703	O	|	|	|	|	1.75
78.167	0.00	0.40	0.701	O	|	|	|	|	1.75
78.250	0.00	0.40	0.698	O	|	|	|	|	1.74

78.333	0.00	0.40	0.695	O	|	|	|	|	1.73
78.417	0.00	0.40	0.692	O	|	|	|	|	1.73
78.500	0.00	0.40	0.690	O	|	|	|	|	1.72
78.583	0.00	0.40	0.687	O	|	|	|	|	1.71
78.667	0.00	0.40	0.684	O	|	|	|	|	1.71
78.750	0.00	0.40	0.681	O	|	|	|	|	1.70
78.833	0.00	0.39	0.679	O	|	|	|	|	1.69
78.917	0.00	0.39	0.676	O	|	|	|	|	1.69
79.000	0.00	0.39	0.673	O	|	|	|	|	1.68
79.083	0.00	0.39	0.670	O	|	|	|	|	1.68
79.167	0.00	0.39	0.668	O	|	|	|	|	1.67
79.250	0.00	0.39	0.665	O	|	|	|	|	1.66
79.333	0.00	0.39	0.662	O	|	|	|	|	1.66
79.417	0.00	0.39	0.660	O	|	|	|	|	1.65
79.500	0.00	0.39	0.657	O	|	|	|	|	1.64
79.583	0.00	0.39	0.654	O	|	|	|	|	1.64
79.667	0.00	0.38	0.652	O	|	|	|	|	1.63
79.750	0.00	0.38	0.649	O	|	|	|	|	1.63
79.833	0.00	0.38	0.646	O	|	|	|	|	1.62
79.917	0.00	0.38	0.644	O	|	|	|	|	1.61
80.000	0.00	0.38	0.641	O	|	|	|	|	1.61
80.083	0.00	0.38	0.639	O	|	|	|	|	1.60
80.167	0.00	0.38	0.636	O	|	|	|	|	1.60
80.250	0.00	0.38	0.633	O	|	|	|	|	1.59
80.333	0.00	0.38	0.631	O	|	|	|	|	1.58
80.417	0.00	0.38	0.628	O	|	|	|	|	1.58
80.500	0.00	0.38	0.626	O	|	|	|	|	1.57
80.583	0.00	0.37	0.623	O	|	|	|	|	1.57
80.667	0.00	0.37	0.620	O	|	|	|	|	1.56
80.750	0.00	0.37	0.618	O	|	|	|	|	1.55
80.833	0.00	0.37	0.615	O	|	|	|	|	1.55
80.917	0.00	0.37	0.613	O	|	|	|	|	1.54
81.000	0.00	0.37	0.610	O	|	|	|	|	1.54
81.083	0.00	0.37	0.608	O	|	|	|	|	1.53
81.167	0.00	0.37	0.605	O	|	|	|	|	1.52
81.250	0.00	0.37	0.603	O	|	|	|	|	1.52
81.333	0.00	0.37	0.600	O	|	|	|	|	1.51
81.417	0.00	0.37	0.598	O	|	|	|	|	1.51
81.500	0.00	0.36	0.595	O	|	|	|	|	1.50
81.583	0.00	0.36	0.592	O	|	|	|	|	1.49
81.667	0.00	0.36	0.590	O	|	|	|	|	1.49
81.750	0.00	0.36	0.587	O	|	|	|	|	1.48
81.833	0.00	0.36	0.585	O	|	|	|	|	1.48
81.917	0.00	0.36	0.583	O	|	|	|	|	1.47
82.000	0.00	0.36	0.580	O	|	|	|	|	1.47
82.083	0.00	0.36	0.578	O	|	|	|	|	1.46
82.167	0.00	0.36	0.575	O	|	|	|	|	1.45
82.250	0.00	0.36	0.573	O	|	|	|	|	1.45
82.333	0.00	0.36	0.570	O	|	|	|	|	1.44
82.417	0.00	0.36	0.568	O	|	|	|	|	1.44
82.500	0.00	0.35	0.565	O	|	|	|	|	1.43
82.583	0.00	0.35	0.563	O	|	|	|	|	1.43
82.667	0.00	0.35	0.560	O	|	|	|	|	1.42
82.750	0.00	0.35	0.558	O	|	|	|	|	1.41
82.833	0.00	0.35	0.556	O	|	|	|	|	1.41
82.917	0.00	0.35	0.553	O	|	|	|	|	1.40
83.000	0.00	0.35	0.551	O	|	|	|	|	1.40
83.083	0.00	0.35	0.548	O	|	|	|	|	1.39
83.167	0.00	0.35	0.546	O	|	|	|	|	1.39
83.250	0.00	0.35	0.544	O	|	|	|	|	1.38
83.333	0.00	0.35	0.541	O	|	|	|	|	1.37
83.417	0.00	0.35	0.539	O	|	|	|	|	1.37
83.500	0.00	0.34	0.536	O	|	|	|	|	1.36
83.583	0.00	0.34	0.534	O	|	|	|	|	1.36
83.667	0.00	0.34	0.532	O	|	|	|	|	1.35
83.750	0.00	0.34	0.529	O	|	|	|	|	1.35
83.833	0.00	0.34	0.527	O	|	|	|	|	1.34

83.917	0.00	0.34	0.525	O	|	|	|	|	1.34
84.000	0.00	0.34	0.522	O	|	|	|	|	1.33
84.083	0.00	0.34	0.520	O	|	|	|	|	1.33
84.167	0.00	0.34	0.518	O	|	|	|	|	1.32
84.250	0.00	0.34	0.515	O	|	|	|	|	1.31
84.333	0.00	0.34	0.513	O	|	|	|	|	1.31
84.417	0.00	0.34	0.511	O	|	|	|	|	1.30
84.500	0.00	0.33	0.508	O	|	|	|	|	1.30
84.583	0.00	0.33	0.506	O	|	|	|	|	1.29
84.667	0.00	0.33	0.504	O	|	|	|	|	1.29
84.750	0.00	0.33	0.501	O	|	|	|	|	1.28
84.833	0.00	0.33	0.499	O	|	|	|	|	1.28
84.917	0.00	0.33	0.497	O	|	|	|	|	1.27
85.000	0.00	0.33	0.495	O	|	|	|	|	1.27
85.083	0.00	0.33	0.492	O	|	|	|	|	1.26
85.167	0.00	0.33	0.490	O	|	|	|	|	1.26
85.250	0.00	0.33	0.488	O	|	|	|	|	1.25
85.333	0.00	0.33	0.486	O	|	|	|	|	1.25
85.417	0.00	0.33	0.483	O	|	|	|	|	1.24
85.500	0.00	0.33	0.481	O	|	|	|	|	1.23
85.583	0.00	0.32	0.479	O	|	|	|	|	1.23
85.667	0.00	0.32	0.477	O	|	|	|	|	1.22
85.750	0.00	0.32	0.474	O	|	|	|	|	1.22
85.833	0.00	0.32	0.472	O	|	|	|	|	1.21
85.917	0.00	0.32	0.470	O	|	|	|	|	1.21
86.000	0.00	0.32	0.468	O	|	|	|	|	1.20
86.083	0.00	0.32	0.465	O	|	|	|	|	1.20
86.167	0.00	0.32	0.463	O	|	|	|	|	1.19
86.250	0.00	0.32	0.461	O	|	|	|	|	1.19
86.333	0.00	0.32	0.459	O	|	|	|	|	1.18
86.417	0.00	0.32	0.457	O	|	|	|	|	1.18
86.500	0.00	0.32	0.455	O	|	|	|	|	1.17
86.583	0.00	0.32	0.452	O	|	|	|	|	1.17
86.667	0.00	0.31	0.450	O	|	|	|	|	1.16
86.750	0.00	0.31	0.448	O	|	|	|	|	1.16
86.833	0.00	0.31	0.446	O	|	|	|	|	1.15
86.917	0.00	0.31	0.444	O	|	|	|	|	1.15
87.000	0.00	0.31	0.442	O	|	|	|	|	1.14
87.083	0.00	0.31	0.439	O	|	|	|	|	1.14
87.167	0.00	0.31	0.437	O	|	|	|	|	1.13
87.250	0.00	0.31	0.435	O	|	|	|	|	1.13
87.333	0.00	0.31	0.433	O	|	|	|	|	1.12
87.417	0.00	0.31	0.431	O	|	|	|	|	1.12
87.500	0.00	0.31	0.429	O	|	|	|	|	1.11
87.583	0.00	0.31	0.427	O	|	|	|	|	1.11
87.667	0.00	0.31	0.425	O	|	|	|	|	1.10
87.750	0.00	0.30	0.422	O	|	|	|	|	1.10
87.833	0.00	0.30	0.420	O	|	|	|	|	1.09
87.917	0.00	0.30	0.418	O	|	|	|	|	1.09
88.000	0.00	0.30	0.416	O	|	|	|	|	1.08
88.083	0.00	0.30	0.414	O	|	|	|	|	1.08
88.167	0.00	0.30	0.412	O	|	|	|	|	1.07
88.250	0.00	0.30	0.410	O	|	|	|	|	1.07
88.333	0.00	0.30	0.408	O	|	|	|	|	1.06
88.417	0.00	0.30	0.406	O	|	|	|	|	1.06
88.500	0.00	0.30	0.404	O	|	|	|	|	1.06
88.583	0.00	0.30	0.402	O	|	|	|	|	1.05
88.667	0.00	0.30	0.400	O	|	|	|	|	1.05
88.750	0.00	0.30	0.398	O	|	|	|	|	1.04
88.833	0.00	0.30	0.396	O	|	|	|	|	1.04
88.917	0.00	0.29	0.394	O	|	|	|	|	1.03
89.000	0.00	0.29	0.392	O	|	|	|	|	1.03
89.083	0.00	0.29	0.390	O	|	|	|	|	1.02
89.167	0.00	0.29	0.388	O	|	|	|	|	1.02
89.250	0.00	0.29	0.385	O	|	|	|	|	1.01
89.333	0.00	0.29	0.383	O	|	|	|	|	1.01
89.417	0.00	0.29	0.381	O	|	|	|	|	1.00

89.500	0.00	0.29	0.379	O	|	|	|	1.00
89.583	0.00	0.29	0.377	O	|	|	|	0.99
89.667	0.00	0.29	0.376	O	|	|	|	0.99
89.750	0.00	0.29	0.374	O	|	|	|	0.98
89.833	0.00	0.28	0.372	O	|	|	|	0.98
89.917	0.00	0.28	0.370	O	|	|	|	0.97
90.000	0.00	0.28	0.368	O	|	|	|	0.97
90.083	0.00	0.28	0.366	O	|	|	|	0.96
90.167	0.00	0.28	0.364	O	|	|	|	0.96
90.250	0.00	0.28	0.362	O	|	|	|	0.95
90.333	0.00	0.27	0.360	O	|	|	|	0.95
90.417	0.00	0.27	0.358	O	|	|	|	0.94
90.500	0.00	0.27	0.356	O	|	|	|	0.94
90.583	0.00	0.27	0.354	O	|	|	|	0.93
90.667	0.00	0.27	0.353	O	|	|	|	0.93
90.750	0.00	0.27	0.351	O	|	|	|	0.92
90.833	0.00	0.27	0.349	O	|	|	|	0.92
90.917	0.00	0.26	0.347	O	|	|	|	0.91
91.000	0.00	0.26	0.345	O	|	|	|	0.91
91.083	0.00	0.26	0.343	O	|	|	|	0.90
91.167	0.00	0.26	0.342	O	|	|	|	0.90
91.250	0.00	0.26	0.340	O	|	|	|	0.89
91.333	0.00	0.26	0.338	O	|	|	|	0.89
91.417	0.00	0.26	0.336	O	|	|	|	0.88
91.500	0.00	0.26	0.335	O	|	|	|	0.88
91.583	0.00	0.25	0.333	O	|	|	|	0.88
91.667	0.00	0.25	0.331	O	|	|	|	0.87
91.750	0.00	0.25	0.329	O	|	|	|	0.87
91.833	0.00	0.25	0.328	O	|	|	|	0.86
91.917	0.00	0.25	0.326	O	|	|	|	0.86
92.000	0.00	0.25	0.324	O	|	|	|	0.85
92.083	0.00	0.25	0.322	O	|	|	|	0.85
92.167	0.00	0.24	0.321	O	|	|	|	0.84
92.250	0.00	0.24	0.319	O	|	|	|	0.84
92.333	0.00	0.24	0.317	O	|	|	|	0.84
92.417	0.00	0.24	0.316	O	|	|	|	0.83
92.500	0.00	0.24	0.314	O	|	|	|	0.83
92.583	0.00	0.24	0.312	O	|	|	|	0.82
92.667	0.00	0.24	0.311	O	|	|	|	0.82
92.750	0.00	0.24	0.309	O	|	|	|	0.81
92.833	0.00	0.23	0.308	O	|	|	|	0.81
92.917	0.00	0.23	0.306	O	|	|	|	0.81
93.000	0.00	0.23	0.304	O	|	|	|	0.80
93.083	0.00	0.23	0.303	O	|	|	|	0.80
93.167	0.00	0.23	0.301	O	|	|	|	0.79
93.250	0.00	0.23	0.300	O	|	|	|	0.79
93.333	0.00	0.23	0.298	O	|	|	|	0.78
93.417	0.00	0.23	0.296	O	|	|	|	0.78
93.500	0.00	0.23	0.295	O	|	|	|	0.78
93.583	0.00	0.22	0.293	O	|	|	|	0.77
93.667	0.00	0.22	0.292	O	|	|	|	0.77
93.750	0.00	0.22	0.290	O	|	|	|	0.76
93.833	0.00	0.22	0.289	O	|	|	|	0.76
93.917	0.00	0.22	0.287	O	|	|	|	0.76
94.000	0.00	0.22	0.286	O	|	|	|	0.75
94.083	0.00	0.22	0.284	O	|	|	|	0.75
94.167	0.00	0.22	0.283	O	|	|	|	0.74
94.250	0.00	0.21	0.281	O	|	|	|	0.74
94.333	0.00	0.21	0.280	O	|	|	|	0.74
94.417	0.00	0.21	0.278	O	|	|	|	0.73
94.500	0.00	0.21	0.277	O	|	|	|	0.73
94.583	0.00	0.21	0.275	O	|	|	|	0.72
94.667	0.00	0.21	0.274	O	|	|	|	0.72
94.750	0.00	0.21	0.273	O	|	|	|	0.72
94.833	0.00	0.21	0.271	O	|	|	|	0.71
94.917	0.00	0.21	0.270	O	|	|	|	0.71
95.000	0.00	0.20	0.268	O	|	|	|	0.71

95.083	0.00	0.20	0.267	O	|	|	|	0.70
95.167	0.00	0.20	0.265	O	|	|	|	0.70
95.250	0.00	0.20	0.264	O	|	|	|	0.69
95.333	0.00	0.20	0.263	O	|	|	|	0.69
95.417	0.00	0.20	0.261	O	|	|	|	0.69
95.500	0.00	0.20	0.260	O	|	|	|	0.68
95.583	0.00	0.20	0.259	O	|	|	|	0.68
95.667	0.00	0.20	0.257	O	|	|	|	0.68
95.750	0.00	0.20	0.256	O	|	|	|	0.67
95.833	0.00	0.19	0.255	O	|	|	|	0.67
95.917	0.00	0.19	0.253	O	|	|	|	0.67
96.000	0.00	0.19	0.252	O	|	|	|	0.66
96.083	0.00	0.19	0.251	O	|	|	|	0.66
96.167	0.00	0.19	0.249	O	|	|	|	0.66
96.250	0.00	0.19	0.248	O	|	|	|	0.65
96.333	0.00	0.19	0.247	O	|	|	|	0.65
96.417	0.00	0.19	0.245	O	|	|	|	0.65
96.500	0.00	0.19	0.244	O	|	|	|	0.64
96.583	0.00	0.19	0.243	O	|	|	|	0.64
96.667	0.00	0.18	0.241	O	|	|	|	0.64
96.750	0.00	0.18	0.240	O	|	|	|	0.63
96.833	0.00	0.18	0.239	O	|	|	|	0.63
96.917	0.00	0.18	0.238	O	|	|	|	0.63
97.000	0.00	0.18	0.236	O	|	|	|	0.62
97.083	0.00	0.18	0.235	O	|	|	|	0.62
97.167	0.00	0.18	0.234	O	|	|	|	0.62
97.250	0.00	0.18	0.233	O	|	|	|	0.61
97.333	0.00	0.18	0.232	O	|	|	|	0.61
97.417	0.00	0.18	0.230	O	|	|	|	0.61
97.500	0.00	0.17	0.229	O	|	|	|	0.60
97.583	0.00	0.17	0.228	O	|	|	|	0.60
97.667	0.00	0.17	0.227	O	|	|	|	0.60
97.750	0.00	0.17	0.226	O	|	|	|	0.59
97.833	0.00	0.17	0.224	O	|	|	|	0.59
97.917	0.00	0.17	0.223	O	|	|	|	0.59
98.000	0.00	0.17	0.222	O	|	|	|	0.58
98.083	0.00	0.17	0.221	O	|	|	|	0.58
98.167	0.00	0.17	0.220	O	|	|	|	0.58
98.250	0.00	0.17	0.219	O	|	|	|	0.58
98.333	0.00	0.17	0.217	O	|	|	|	0.57
98.417	0.00	0.17	0.216	O	|	|	|	0.57
98.500	0.00	0.16	0.215	O	|	|	|	0.57
98.583	0.00	0.16	0.214	O	|	|	|	0.56
98.667	0.00	0.16	0.213	O	|	|	|	0.56
98.750	0.00	0.16	0.212	O	|	|	|	0.56
98.833	0.00	0.16	0.211	O	|	|	|	0.55
98.917	0.00	0.16	0.210	O	|	|	|	0.55
99.000	0.00	0.16	0.208	O	|	|	|	0.55
99.083	0.00	0.16	0.207	O	|	|	|	0.55
99.167	0.00	0.16	0.206	O	|	|	|	0.54
99.250	0.00	0.16	0.205	O	|	|	|	0.54
99.333	0.00	0.16	0.204	O	|	|	|	0.54
99.417	0.00	0.15	0.203	O	|	|	|	0.53
99.500	0.00	0.15	0.202	O	|	|	|	0.53
99.583	0.00	0.15	0.201	O	|	|	|	0.53
99.667	0.00	0.15	0.200	O	|	|	|	0.53
99.750	0.00	0.15	0.199	O	|	|	|	0.52
99.833	0.00	0.15	0.198	O	|	|	|	0.52
99.917	0.00	0.15	0.197	O	|	|	|	0.52
100.000	0.00	0.15	0.196	O	|	|	|	0.51
100.083	0.00	0.15	0.195	O	|	|	|	0.51
100.167	0.00	0.15	0.194	O	|	|	|	0.51
100.250	0.00	0.15	0.193	O	|	|	|	0.51
100.333	0.00	0.15	0.192	O	|	|	|	0.50
100.417	0.00	0.15	0.191	O	|	|	|	0.50
100.500	0.00	0.14	0.190	O	|	|	|	0.50
100.583	0.00	0.14	0.189	O	|	|	|	0.50

100.667	0.00	0.14	0.188	O	|	|	|	0.49
100.750	0.00	0.14	0.187	O	|	|	|	0.49
100.833	0.00	0.14	0.186	O	|	|	|	0.49
100.917	0.00	0.14	0.185	O	|	|	|	0.49
101.000	0.00	0.14	0.184	O	|	|	|	0.48
101.083	0.00	0.14	0.183	O	|	|	|	0.48
101.167	0.00	0.14	0.182	O	|	|	|	0.48
101.250	0.00	0.14	0.181	O	|	|	|	0.48
101.333	0.00	0.14	0.180	O	|	|	|	0.47
101.417	0.00	0.14	0.179	O	|	|	|	0.47
101.500	0.00	0.14	0.178	O	|	|	|	0.47
101.583	0.00	0.14	0.177	O	|	|	|	0.47
101.667	0.00	0.13	0.176	O	|	|	|	0.46
101.750	0.00	0.13	0.175	O	|	|	|	0.46
101.833	0.00	0.13	0.174	O	|	|	|	0.46
101.917	0.00	0.13	0.173	O	|	|	|	0.46
102.000	0.00	0.13	0.173	O	|	|	|	0.45
102.083	0.00	0.13	0.172	O	|	|	|	0.45
102.167	0.00	0.13	0.171	O	|	|	|	0.45
102.250	0.00	0.13	0.170	O	|	|	|	0.45
102.333	0.00	0.13	0.169	O	|	|	|	0.44
102.417	0.00	0.13	0.168	O	|	|	|	0.44
102.500	0.00	0.13	0.167	O	|	|	|	0.44
102.583	0.00	0.13	0.166	O	|	|	|	0.44
102.667	0.00	0.13	0.165	O	|	|	|	0.44
102.750	0.00	0.13	0.165	O	|	|	|	0.43
102.833	0.00	0.12	0.164	O	|	|	|	0.43
102.917	0.00	0.12	0.163	O	|	|	|	0.43
103.000	0.00	0.12	0.162	O	|	|	|	0.43
103.083	0.00	0.12	0.161	O	|	|	|	0.42
103.167	0.00	0.12	0.160	O	|	|	|	0.42
103.250	0.00	0.12	0.159	O	|	|	|	0.42
103.333	0.00	0.12	0.159	O	|	|	|	0.42
103.417	0.00	0.12	0.158	O	|	|	|	0.42
103.500	0.00	0.12	0.157	O	|	|	|	0.41
103.583	0.00	0.12	0.156	O	|	|	|	0.41
103.667	0.00	0.12	0.155	O	|	|	|	0.41
103.750	0.00	0.12	0.154	O	|	|	|	0.41
103.833	0.00	0.12	0.154	O	|	|	|	0.40
103.917	0.00	0.12	0.153	O	|	|	|	0.40
104.000	0.00	0.12	0.152	O	|	|	|	0.40
104.083	0.00	0.12	0.151	O	|	|	|	0.40
104.167	0.00	0.11	0.150	O	|	|	|	0.40
104.250	0.00	0.11	0.150	O	|	|	|	0.39
104.333	0.00	0.11	0.149	O	|	|	|	0.39
104.417	0.00	0.11	0.148	O	|	|	|	0.39
104.500	0.00	0.11	0.147	O	|	|	|	0.39
104.583	0.00	0.11	0.147	O	|	|	|	0.39
104.667	0.00	0.11	0.146	O	|	|	|	0.38
104.750	0.00	0.11	0.145	O	|	|	|	0.38
104.833	0.00	0.11	0.144	O	|	|	|	0.38
104.917	0.00	0.11	0.144	O	|	|	|	0.38
105.000	0.00	0.11	0.143	O	|	|	|	0.38
105.083	0.00	0.11	0.142	O	|	|	|	0.37
105.167	0.00	0.11	0.141	O	|	|	|	0.37
105.250	0.00	0.11	0.141	O	|	|	|	0.37
105.333	0.00	0.11	0.140	O	|	|	|	0.37
105.417	0.00	0.11	0.139	O	|	|	|	0.37
105.500	0.00	0.11	0.138	O	|	|	|	0.36
105.583	0.00	0.11	0.138	O	|	|	|	0.36
105.667	0.00	0.10	0.137	O	|	|	|	0.36
105.750	0.00	0.10	0.136	O	|	|	|	0.36
105.833	0.00	0.10	0.135	O	|	|	|	0.36
105.917	0.00	0.10	0.135	O	|	|	|	0.35
106.000	0.00	0.10	0.134	O	|	|	|	0.35
106.083	0.00	0.10	0.133	O	|	|	|	0.35
106.167	0.00	0.10	0.133	O	|	|	|	0.35

106.250	0.00	0.10	0.132	O	|	|	|	0.35
106.333	0.00	0.10	0.131	O	|	|	|	0.35
106.417	0.00	0.10	0.131	O	|	|	|	0.34
106.500	0.00	0.10	0.130	O	|	|	|	0.34
106.583	0.00	0.10	0.129	O	|	|	|	0.34
106.667	0.00	0.10	0.129	O	|	|	|	0.34
106.750	0.00	0.10	0.128	O	|	|	|	0.34
106.833	0.00	0.10	0.127	O	|	|	|	0.33
106.917	0.00	0.10	0.127	O	|	|	|	0.33
107.000	0.00	0.10	0.126	O	|	|	|	0.33
107.083	0.00	0.10	0.125	O	|	|	|	0.33
107.167	0.00	0.10	0.125	O	|	|	|	0.33
107.250	0.00	0.09	0.124	O	|	|	|	0.33
107.333	0.00	0.09	0.123	O	|	|	|	0.32
107.417	0.00	0.09	0.123	O	|	|	|	0.32
107.500	0.00	0.09	0.122	O	|	|	|	0.32
107.583	0.00	0.09	0.121	O	|	|	|	0.32
107.667	0.00	0.09	0.121	O	|	|	|	0.32
107.750	0.00	0.09	0.120	O	|	|	|	0.32
107.833	0.00	0.09	0.119	O	|	|	|	0.31
107.917	0.00	0.09	0.119	O	|	|	|	0.31
108.000	0.00	0.09	0.118	O	|	|	|	0.31
108.083	0.00	0.09	0.118	O	|	|	|	0.31
108.167	0.00	0.09	0.117	O	|	|	|	0.31
108.250	0.00	0.09	0.116	O	|	|	|	0.31
108.333	0.00	0.09	0.116	O	|	|	|	0.30
108.417	0.00	0.09	0.115	O	|	|	|	0.30
108.500	0.00	0.09	0.114	O	|	|	|	0.30
108.583	0.00	0.09	0.114	O	|	|	|	0.30
108.667	0.00	0.09	0.113	O	|	|	|	0.30
108.750	0.00	0.09	0.113	O	|	|	|	0.30
108.833	0.00	0.09	0.112	O	|	|	|	0.30
108.917	0.00	0.09	0.112	O	|	|	|	0.29
109.000	0.00	0.08	0.111	O	|	|	|	0.29
109.083	0.00	0.08	0.110	O	|	|	|	0.29
109.167	0.00	0.08	0.110	O	|	|	|	0.29
109.250	0.00	0.08	0.109	O	|	|	|	0.29
109.333	0.00	0.08	0.109	O	|	|	|	0.29
109.417	0.00	0.08	0.108	O	|	|	|	0.28
109.500	0.00	0.08	0.107	O	|	|	|	0.28
109.583	0.00	0.08	0.107	O	|	|	|	0.28
109.667	0.00	0.08	0.106	O	|	|	|	0.28
109.750	0.00	0.08	0.106	O	|	|	|	0.28
109.833	0.00	0.08	0.105	O	|	|	|	0.28
109.917	0.00	0.08	0.105	O	|	|	|	0.28
110.000	0.00	0.08	0.104	O	|	|	|	0.27
110.083	0.00	0.08	0.104	O	|	|	|	0.27
110.167	0.00	0.08	0.103	O	|	|	|	0.27
110.250	0.00	0.08	0.103	O	|	|	|	0.27
110.333	0.00	0.08	0.102	O	|	|	|	0.27
110.417	0.00	0.08	0.101	O	|	|	|	0.27
110.500	0.00	0.08	0.101	O	|	|	|	0.27
110.583	0.00	0.08	0.100	O	|	|	|	0.26
110.667	0.00	0.08	0.100	O	|	|	|	0.26
110.750	0.00	0.08	0.099	O	|	|	|	0.26
110.833	0.00	0.08	0.099	O	|	|	|	0.26
110.917	0.00	0.08	0.098	O	|	|	|	0.26
111.000	0.00	0.07	0.098	O	|	|	|	0.26
111.083	0.00	0.07	0.097	O	|	|	|	0.26
111.167	0.00	0.07	0.097	O	|	|	|	0.25
111.250	0.00	0.07	0.096	O	|	|	|	0.25
111.333	0.00	0.07	0.096	O	|	|	|	0.25
111.417	0.00	0.07	0.095	O	|	|	|	0.25
111.500	0.00	0.07	0.095	O	|	|	|	0.25
111.583	0.00	0.07	0.094	O	|	|	|	0.25
111.667	0.00	0.07	0.094	O	|	|	|	0.25
111.750	0.00	0.07	0.093	O	|	|	|	0.25

111.833	0.00	0.07	0.093	O	|	|	|	0.24
111.917	0.00	0.07	0.092	O	|	|	|	0.24
112.000	0.00	0.07	0.092	O	|	|	|	0.24
112.083	0.00	0.07	0.091	O	|	|	|	0.24
112.167	0.00	0.07	0.091	O	|	|	|	0.24
112.250	0.00	0.07	0.090	O	|	|	|	0.24
112.333	0.00	0.07	0.090	O	|	|	|	0.24
112.417	0.00	0.07	0.089	O	|	|	|	0.24
112.500	0.00	0.07	0.089	O	|	|	|	0.23
112.583	0.00	0.07	0.088	O	|	|	|	0.23
112.667	0.00	0.07	0.088	O	|	|	|	0.23
112.750	0.00	0.07	0.088	O	|	|	|	0.23
112.833	0.00	0.07	0.087	O	|	|	|	0.23
112.917	0.00	0.07	0.087	O	|	|	|	0.23
113.000	0.00	0.07	0.086	O	|	|	|	0.23
113.083	0.00	0.07	0.086	O	|	|	|	0.23
113.167	0.00	0.07	0.085	O	|	|	|	0.22
113.250	0.00	0.06	0.085	O	|	|	|	0.22
113.333	0.00	0.06	0.084	O	|	|	|	0.22
113.417	0.00	0.06	0.084	O	|	|	|	0.22
113.500	0.00	0.06	0.084	O	|	|	|	0.22
113.583	0.00	0.06	0.083	O	|	|	|	0.22
113.667	0.00	0.06	0.083	O	|	|	|	0.22
113.750	0.00	0.06	0.082	O	|	|	|	0.22
113.833	0.00	0.06	0.082	O	|	|	|	0.22
113.917	0.00	0.06	0.081	O	|	|	|	0.21
114.000	0.00	0.06	0.081	O	|	|	|	0.21
114.083	0.00	0.06	0.081	O	|	|	|	0.21
114.167	0.00	0.06	0.080	O	|	|	|	0.21
114.250	0.00	0.06	0.080	O	|	|	|	0.21
114.333	0.00	0.06	0.079	O	|	|	|	0.21
114.417	0.00	0.06	0.079	O	|	|	|	0.21
114.500	0.00	0.06	0.078	O	|	|	|	0.21
114.583	0.00	0.06	0.078	O	|	|	|	0.21
114.667	0.00	0.06	0.078	O	|	|	|	0.20
114.750	0.00	0.06	0.077	O	|	|	|	0.20
114.833	0.00	0.06	0.077	O	|	|	|	0.20
114.917	0.00	0.06	0.076	O	|	|	|	0.20
115.000	0.00	0.06	0.076	O	|	|	|	0.20
115.083	0.00	0.06	0.076	O	|	|	|	0.20
115.167	0.00	0.06	0.075	O	|	|	|	0.20
115.250	0.00	0.06	0.075	O	|	|	|	0.20
115.333	0.00	0.06	0.074	O	|	|	|	0.20
115.417	0.00	0.06	0.074	O	|	|	|	0.19
115.500	0.00	0.06	0.074	O	|	|	|	0.19
115.583	0.00	0.06	0.073	O	|	|	|	0.19
115.667	0.00	0.06	0.073	O	|	|	|	0.19
115.750	0.00	0.06	0.072	O	|	|	|	0.19
115.833	0.00	0.06	0.072	O	|	|	|	0.19
115.917	0.00	0.05	0.072	O	|	|	|	0.19
116.000	0.00	0.05	0.071	O	|	|	|	0.19
116.083	0.00	0.05	0.071	O	|	|	|	0.19
116.167	0.00	0.05	0.071	O	|	|	|	0.19
116.250	0.00	0.05	0.070	O	|	|	|	0.18
116.333	0.00	0.05	0.070	O	|	|	|	0.18
116.417	0.00	0.05	0.069	O	|	|	|	0.18
116.500	0.00	0.05	0.069	O	|	|	|	0.18
116.583	0.00	0.05	0.069	O	|	|	|	0.18
116.667	0.00	0.05	0.068	O	|	|	|	0.18
116.750	0.00	0.05	0.068	O	|	|	|	0.18
116.833	0.00	0.05	0.068	O	|	|	|	0.18
116.917	0.00	0.05	0.067	O	|	|	|	0.18
117.000	0.00	0.05	0.067	O	|	|	|	0.18
117.083	0.00	0.05	0.067	O	|	|	|	0.18
117.167	0.00	0.05	0.066	O	|	|	|	0.17
117.250	0.00	0.05	0.066	O	|	|	|	0.17
117.333	0.00	0.05	0.066	O	|	|	|	0.17

117.417	0.00	0.05	0.065	O	|	|	|	0.17
117.500	0.00	0.05	0.065	O	|	|	|	0.17
117.583	0.00	0.05	0.065	O	|	|	|	0.17
117.667	0.00	0.05	0.064	O	|	|	|	0.17
117.750	0.00	0.05	0.064	O	|	|	|	0.17
117.833	0.00	0.05	0.064	O	|	|	|	0.17
117.917	0.00	0.05	0.063	O	|	|	|	0.17
118.000	0.00	0.05	0.063	O	|	|	|	0.17
118.083	0.00	0.05	0.063	O	|	|	|	0.16
118.167	0.00	0.05	0.062	O	|	|	|	0.16
118.250	0.00	0.05	0.062	O	|	|	|	0.16
118.333	0.00	0.05	0.062	O	|	|	|	0.16
118.417	0.00	0.05	0.061	O	|	|	|	0.16
118.500	0.00	0.05	0.061	O	|	|	|	0.16
118.583	0.00	0.05	0.061	O	|	|	|	0.16
118.667	0.00	0.05	0.060	O	|	|	|	0.16
118.750	0.00	0.05	0.060	O	|	|	|	0.16
118.833	0.00	0.05	0.060	O	|	|	|	0.16
118.917	0.00	0.05	0.059	O	|	|	|	0.16
119.000	0.00	0.05	0.059	O	|	|	|	0.16
119.083	0.00	0.04	0.059	O	|	|	|	0.15
119.167	0.00	0.04	0.058	O	|	|	|	0.15
119.250	0.00	0.04	0.058	O	|	|	|	0.15
119.333	0.00	0.04	0.058	O	|	|	|	0.15
119.417	0.00	0.04	0.058	O	|	|	|	0.15
119.500	0.00	0.04	0.057	O	|	|	|	0.15
119.583	0.00	0.04	0.057	O	|	|	|	0.15
119.667	0.00	0.04	0.057	O	|	|	|	0.15
119.750	0.00	0.04	0.056	O	|	|	|	0.15
119.833	0.00	0.04	0.056	O	|	|	|	0.15
119.917	0.00	0.04	0.056	O	|	|	|	0.15
120.000	0.00	0.04	0.055	O	|	|	|	0.15
120.083	0.00	0.04	0.055	O	|	|	|	0.15
120.167	0.00	0.04	0.055	O	|	|	|	0.14
120.250	0.00	0.04	0.055	O	|	|	|	0.14
120.333	0.00	0.04	0.054	O	|	|	|	0.14
120.417	0.00	0.04	0.054	O	|	|	|	0.14
120.500	0.00	0.04	0.054	O	|	|	|	0.14
120.583	0.00	0.04	0.053	O	|	|	|	0.14
120.667	0.00	0.04	0.053	O	|	|	|	0.14
120.750	0.00	0.04	0.053	O	|	|	|	0.14
120.833	0.00	0.04	0.053	O	|	|	|	0.14
120.917	0.00	0.04	0.052	O	|	|	|	0.14
121.000	0.00	0.04	0.052	O	|	|	|	0.14
121.083	0.00	0.04	0.052	O	|	|	|	0.14
121.167	0.00	0.04	0.051	O	|	|	|	0.14
121.250	0.00	0.04	0.051	O	|	|	|	0.13
121.333	0.00	0.04	0.051	O	|	|	|	0.13
121.417	0.00	0.04	0.051	O	|	|	|	0.13
121.500	0.00	0.04	0.050	O	|	|	|	0.13
121.583	0.00	0.04	0.050	O	|	|	|	0.13
121.667	0.00	0.04	0.050	O	|	|	|	0.13
121.750	0.00	0.04	0.050	O	|	|	|	0.13
121.833	0.00	0.04	0.049	O	|	|	|	0.13
121.917	0.00	0.04	0.049	O	|	|	|	0.13
122.000	0.00	0.04	0.049	O	|	|	|	0.13
122.083	0.00	0.04	0.049	O	|	|	|	0.13
122.167	0.00	0.04	0.048	O	|	|	|	0.13
122.250	0.00	0.04	0.048	O	|	|	|	0.13
122.333	0.00	0.04	0.048	O	|	|	|	0.13
122.417	0.00	0.04	0.048	O	|	|	|	0.13
122.500	0.00	0.04	0.047	O	|	|	|	0.12
122.583	0.00	0.04	0.047	O	|	|	|	0.12
122.667	0.00	0.04	0.047	O	|	|	|	0.12
122.750	0.00	0.04	0.047	O	|	|	|	0.12
122.833	0.00	0.04	0.046	O	|	|	|	0.12
122.917	0.00	0.04	0.046	O	|	|	|	0.12

123.000	0.00	0.04	0.046	O	|	|	|	|	0.12
123.083	0.00	0.03	0.046	O	|	|	|	|	0.12
123.167	0.00	0.03	0.045	O	|	|	|	|	0.12
123.250	0.00	0.03	0.045	O	|	|	|	|	0.12
123.333	0.00	0.03	0.045	O	|	|	|	|	0.12
123.417	0.00	0.03	0.045	O	|	|	|	|	0.12
123.500	0.00	0.03	0.044	O	|	|	|	|	0.12
123.583	0.00	0.03	0.044	O	|	|	|	|	0.12
123.667	0.00	0.03	0.044	O	|	|	|	|	0.12
123.750	0.00	0.03	0.044	O	|	|	|	|	0.12
123.833	0.00	0.03	0.044	O	|	|	|	|	0.11
123.917	0.00	0.03	0.043	O	|	|	|	|	0.11
124.000	0.00	0.03	0.043	O	|	|	|	|	0.11
124.083	0.00	0.03	0.043	O	|	|	|	|	0.11
124.167	0.00	0.03	0.043	O	|	|	|	|	0.11
124.250	0.00	0.03	0.042	O	|	|	|	|	0.11
124.333	0.00	0.03	0.042	O	|	|	|	|	0.11
124.417	0.00	0.03	0.042	O	|	|	|	|	0.11
124.500	0.00	0.03	0.042	O	|	|	|	|	0.11
124.583	0.00	0.03	0.042	O	|	|	|	|	0.11
124.667	0.00	0.03	0.041	O	|	|	|	|	0.11
124.750	0.00	0.03	0.041	O	|	|	|	|	0.11
124.833	0.00	0.03	0.041	O	|	|	|	|	0.11
124.917	0.00	0.03	0.041	O	|	|	|	|	0.11
125.000	0.00	0.03	0.040	O	|	|	|	|	0.11
125.083	0.00	0.03	0.040	O	|	|	|	|	0.11
125.167	0.00	0.03	0.040	O	|	|	|	|	0.11
125.250	0.00	0.03	0.040	O	|	|	|	|	0.10
125.333	0.00	0.03	0.040	O	|	|	|	|	0.10
125.417	0.00	0.03	0.039	O	|	|	|	|	0.10
125.500	0.00	0.03	0.039	O	|	|	|	|	0.10
125.583	0.00	0.03	0.039	O	|	|	|	|	0.10
125.667	0.00	0.03	0.039	O	|	|	|	|	0.10
125.750	0.00	0.03	0.039	O	|	|	|	|	0.10
125.833	0.00	0.03	0.038	O	|	|	|	|	0.10
125.917	0.00	0.03	0.038	O	|	|	|	|	0.10
126.000	0.00	0.03	0.038	O	|	|	|	|	0.10
126.083	0.00	0.03	0.038	O	|	|	|	|	0.10
126.167	0.00	0.03	0.038	O	|	|	|	|	0.10
126.250	0.00	0.03	0.037	O	|	|	|	|	0.10
126.333	0.00	0.03	0.037	O	|	|	|	|	0.10
126.417	0.00	0.03	0.037	O	|	|	|	|	0.10
126.500	0.00	0.03	0.037	O	|	|	|	|	0.10
126.583	0.00	0.03	0.037	O	|	|	|	|	0.10
126.667	0.00	0.03	0.036	O	|	|	|	|	0.10
126.750	0.00	0.03	0.036	O	|	|	|	|	0.10
126.833	0.00	0.03	0.036	O	|	|	|	|	0.09
126.917	0.00	0.03	0.036	O	|	|	|	|	0.09
127.000	0.00	0.03	0.036	O	|	|	|	|	0.09
127.083	0.00	0.03	0.035	O	|	|	|	|	0.09
127.167	0.00	0.03	0.035	O	|	|	|	|	0.09
127.250	0.00	0.03	0.035	O	|	|	|	|	0.09
127.333	0.00	0.03	0.035	O	|	|	|	|	0.09
127.417	0.00	0.03	0.035	O	|	|	|	|	0.09
127.500	0.00	0.03	0.035	O	|	|	|	|	0.09
127.583	0.00	0.03	0.034	O	|	|	|	|	0.09
127.667	0.00	0.03	0.034	O	|	|	|	|	0.09
127.750	0.00	0.03	0.034	O	|	|	|	|	0.09
127.833	0.00	0.03	0.034	O	|	|	|	|	0.09
127.917	0.00	0.03	0.034	O	|	|	|	|	0.09
128.000	0.00	0.03	0.033	O	|	|	|	|	0.09
128.083	0.00	0.03	0.033	O	|	|	|	|	0.09
128.167	0.00	0.03	0.033	O	|	|	|	|	0.09
128.250	0.00	0.03	0.033	O	|	|	|	|	0.09
128.333	0.00	0.03	0.033	O	|	|	|	|	0.09
128.417	0.00	0.02	0.033	O	|	|	|	|	0.09
128.500	0.00	0.02	0.032	O	|	|	|	|	0.09

128.583	0.00	0.02	0.032	O	|	|	|	|	0.08
128.667	0.00	0.02	0.032	O	|	|	|	|	0.08
128.750	0.00	0.02	0.032	O	|	|	|	|	0.08
128.833	0.00	0.02	0.032	O	|	|	|	|	0.08
128.917	0.00	0.02	0.032	O	|	|	|	|	0.08
129.000	0.00	0.02	0.031	O	|	|	|	|	0.08
129.083	0.00	0.02	0.031	O	|	|	|	|	0.08
129.167	0.00	0.02	0.031	O	|	|	|	|	0.08
129.250	0.00	0.02	0.031	O	|	|	|	|	0.08
129.333	0.00	0.02	0.031	O	|	|	|	|	0.08
129.417	0.00	0.02	0.031	O	|	|	|	|	0.08
129.500	0.00	0.02	0.030	O	|	|	|	|	0.08
129.583	0.00	0.02	0.030	O	|	|	|	|	0.08
129.667	0.00	0.02	0.030	O	|	|	|	|	0.08
129.750	0.00	0.02	0.030	O	|	|	|	|	0.08
129.833	0.00	0.02	0.030	O	|	|	|	|	0.08
129.917	0.00	0.02	0.030	O	|	|	|	|	0.08
130.000	0.00	0.02	0.030	O	|	|	|	|	0.08
130.083	0.00	0.02	0.029	O	|	|	|	|	0.08
130.167	0.00	0.02	0.029	O	|	|	|	|	0.08
130.250	0.00	0.02	0.029	O	|	|	|	|	0.08
130.333	0.00	0.02	0.029	O	|	|	|	|	0.08
130.417	0.00	0.02	0.029	O	|	|	|	|	0.08
130.500	0.00	0.02	0.029	O	|	|	|	|	0.08
130.583	0.00	0.02	0.028	O	|	|	|	|	0.07
130.667	0.00	0.02	0.028	O	|	|	|	|	0.07
130.750	0.00	0.02	0.028	O	|	|	|	|	0.07
130.833	0.00	0.02	0.028	O	|	|	|	|	0.07
130.917	0.00	0.02	0.028	O	|	|	|	|	0.07
131.000	0.00	0.02	0.028	O	|	|	|	|	0.07
131.083	0.00	0.02	0.028	O	|	|	|	|	0.07
131.167	0.00	0.02	0.027	O	|	|	|	|	0.07
131.250	0.00	0.02	0.027	O	|	|	|	|	0.07
131.333	0.00	0.02	0.027	O	|	|	|	|	0.07
131.417	0.00	0.02	0.027	O	|	|	|	|	0.07
131.500	0.00	0.02	0.027	O	|	|	|	|	0.07
131.583	0.00	0.02	0.027	O	|	|	|	|	0.07
131.667	0.00	0.02	0.027	O	|	|	|	|	0.07
131.750	0.00	0.02	0.026	O	|	|	|	|	0.07
131.833	0.00	0.02	0.026	O	|	|	|	|	0.07
131.917	0.00	0.02	0.026	O	|	|	|	|	0.07
132.000	0.00	0.02	0.026	O	|	|	|	|	0.07
132.083	0.00	0.02	0.026	O	|	|	|	|	0.07
132.167	0.00	0.02	0.026	O	|	|	|	|	0.07
132.250	0.00	0.02	0.026	O	|	|	|	|	0.07
132.333	0.00	0.02	0.025	O	|	|	|	|	0.07
132.417	0.00	0.02	0.025	O	|	|	|	|	0.07
132.500	0.00	0.02	0.025	O	|	|	|	|	0.07
132.583	0.00	0.02	0.025	O	|	|	|	|	0.07
132.667	0.00	0.02	0.025	O	|	|	|	|	0.07
132.750	0.00	0.02	0.025	O	|	|	|	|	0.07
132.833	0.00	0.02	0.025	O	|	|	|	|	0.06
132.917	0.00	0.02	0.025	O	|	|	|	|	0.06
133.000	0.00	0.02	0.024	O	|	|	|	|	0.06
133.083	0.00	0.02	0.024	O	|	|	|	|	0.06
133.167	0.00	0.02	0.024	O	|	|	|	|	0.06
133.250	0.00	0.02	0.024	O	|	|	|	|	0.06
133.333	0.00	0.02	0.024	O	|	|	|	|	0.06
133.417	0.00	0.02	0.024	O	|	|	|	|	0.06
133.500	0.00	0.02	0.024	O	|	|	|	|	0.06
133.583	0.00	0.02	0.024	O	|	|	|	|	0.06
133.667	0.00	0.02	0.023	O	|	|	|	|	0.06
133.750	0.00	0.02	0.023	O	|	|	|	|	0.06
133.833	0.00	0.02	0.023	O	|	|	|	|	0.06
133.917	0.00	0.02	0.023	O	|	|	|	|	0.06
134.000	0.00	0.02	0.023	O	|	|	|	|	0.06
134.083	0.00	0.02	0.023	O	|	|	|	|	0.06

134.167	0.00	0.02	0.023	O	|	|	|	|	0.06
134.250	0.00	0.02	0.023	O	|	|	|	|	0.06
134.333	0.00	0.02	0.022	O	|	|	|	|	0.06
134.417	0.00	0.02	0.022	O	|	|	|	|	0.06
134.500	0.00	0.02	0.022	O	|	|	|	|	0.06
134.583	0.00	0.02	0.022	O	|	|	|	|	0.06
134.667	0.00	0.02	0.022	O	|	|	|	|	0.06
134.750	0.00	0.02	0.022	O	|	|	|	|	0.06
134.833	0.00	0.02	0.022	O	|	|	|	|	0.06
134.917	0.00	0.02	0.022	O	|	|	|	|	0.06
135.000	0.00	0.02	0.022	O	|	|	|	|	0.06
135.083	0.00	0.02	0.021	O	|	|	|	|	0.06
135.167	0.00	0.02	0.021	O	|	|	|	|	0.06
135.250	0.00	0.02	0.021	O	|	|	|	|	0.06
135.333	0.00	0.02	0.021	O	|	|	|	|	0.06
135.417	0.00	0.02	0.021	O	|	|	|	|	0.06
135.500	0.00	0.02	0.021	O	|	|	|	|	0.05
135.583	0.00	0.02	0.021	O	|	|	|	|	0.05
135.667	0.00	0.02	0.021	O	|	|	|	|	0.05
135.750	0.00	0.02	0.021	O	|	|	|	|	0.05
135.833	0.00	0.02	0.020	O	|	|	|	|	0.05
135.917	0.00	0.02	0.020	O	|	|	|	|	0.05
136.000	0.00	0.02	0.020	O	|	|	|	|	0.05
136.083	0.00	0.02	0.020	O	|	|	|	|	0.05
136.167	0.00	0.02	0.020	O	|	|	|	|	0.05
136.250	0.00	0.02	0.020	O	|	|	|	|	0.05
136.333	0.00	0.02	0.020	O	|	|	|	|	0.05
136.417	0.00	0.02	0.020	O	|	|	|	|	0.05
136.500	0.00	0.01	0.020	O	|	|	|	|	0.05
136.583	0.00	0.01	0.019	O	|	|	|	|	0.05
136.667	0.00	0.01	0.019	O	|	|	|	|	0.05
136.750	0.00	0.01	0.019	O	|	|	|	|	0.05
136.833	0.00	0.01	0.019	O	|	|	|	|	0.05
136.917	0.00	0.01	0.019	O	|	|	|	|	0.05
137.000	0.00	0.01	0.019	O	|	|	|	|	0.05
137.083	0.00	0.01	0.019	O	|	|	|	|	0.05
137.167	0.00	0.01	0.019	O	|	|	|	|	0.05
137.250	0.00	0.01	0.019	O	|	|	|	|	0.05
137.333	0.00	0.01	0.019	O	|	|	|	|	0.05
137.417	0.00	0.01	0.018	O	|	|	|	|	0.05
137.500	0.00	0.01	0.018	O	|	|	|	|	0.05
137.583	0.00	0.01	0.018	O	|	|	|	|	0.05
137.667	0.00	0.01	0.018	O	|	|	|	|	0.05
137.750	0.00	0.01	0.018	O	|	|	|	|	0.05
137.833	0.00	0.01	0.018	O	|	|	|	|	0.05
137.917	0.00	0.01	0.018	O	|	|	|	|	0.05
138.000	0.00	0.01	0.018	O	|	|	|	|	0.05
138.083	0.00	0.01	0.018	O	|	|	|	|	0.05
138.167	0.00	0.01	0.018	O	|	|	|	|	0.05
138.250	0.00	0.01	0.018	O	|	|	|	|	0.05
138.333	0.00	0.01	0.017	O	|	|	|	|	0.05
138.417	0.00	0.01	0.017	O	|	|	|	|	0.05
138.500	0.00	0.01	0.017	O	|	|	|	|	0.05
138.583	0.00	0.01	0.017	O	|	|	|	|	0.05
138.667	0.00	0.01	0.017	O	|	|	|	|	0.04
138.750	0.00	0.01	0.017	O	|	|	|	|	0.04
138.833	0.00	0.01	0.017	O	|	|	|	|	0.04
138.917	0.00	0.01	0.017	O	|	|	|	|	0.04
139.000	0.00	0.01	0.017	O	|	|	|	|	0.04
139.083	0.00	0.01	0.017	O	|	|	|	|	0.04
139.167	0.00	0.01	0.017	O	|	|	|	|	0.04
139.250	0.00	0.01	0.016	O	|	|	|	|	0.04
139.333	0.00	0.01	0.016	O	|	|	|	|	0.04
139.417	0.00	0.01	0.016	O	|	|	|	|	0.04
139.500	0.00	0.01	0.016	O	|	|	|	|	0.04
139.583	0.00	0.01	0.016	O	|	|	|	|	0.04
139.667	0.00	0.01	0.016	O	|	|	|	|	0.04

139.750	0.00	0.01	0.016	O	|	|	|	0.04
139.833	0.00	0.01	0.016	O	|	|	|	0.04
139.917	0.00	0.01	0.016	O	|	|	|	0.04
140.000	0.00	0.01	0.016	O	|	|	|	0.04
140.083	0.00	0.01	0.016	O	|	|	|	0.04
140.167	0.00	0.01	0.016	O	|	|	|	0.04
140.250	0.00	0.01	0.015	O	|	|	|	0.04
140.333	0.00	0.01	0.015	O	|	|	|	0.04
140.417	0.00	0.01	0.015	O	|	|	|	0.04
140.500	0.00	0.01	0.015	O	|	|	|	0.04
140.583	0.00	0.01	0.015	O	|	|	|	0.04
140.667	0.00	0.01	0.015	O	|	|	|	0.04
140.750	0.00	0.01	0.015	O	|	|	|	0.04
140.833	0.00	0.01	0.015	O	|	|	|	0.04
140.917	0.00	0.01	0.015	O	|	|	|	0.04
141.000	0.00	0.01	0.015	O	|	|	|	0.04
141.083	0.00	0.01	0.015	O	|	|	|	0.04
141.167	0.00	0.01	0.015	O	|	|	|	0.04
141.250	0.00	0.01	0.015	O	|	|	|	0.04
141.333	0.00	0.01	0.014	O	|	|	|	0.04
141.417	0.00	0.01	0.014	O	|	|	|	0.04
141.500	0.00	0.01	0.014	O	|	|	|	0.04
141.583	0.00	0.01	0.014	O	|	|	|	0.04
141.667	0.00	0.01	0.014	O	|	|	|	0.04
141.750	0.00	0.01	0.014	O	|	|	|	0.04
141.833	0.00	0.01	0.014	O	|	|	|	0.04
141.917	0.00	0.01	0.014	O	|	|	|	0.04
142.000	0.00	0.01	0.014	O	|	|	|	0.04
142.083	0.00	0.01	0.014	O	|	|	|	0.04
142.167	0.00	0.01	0.014	O	|	|	|	0.04
142.250	0.00	0.01	0.014	O	|	|	|	0.04
142.333	0.00	0.01	0.014	O	|	|	|	0.04
142.417	0.00	0.01	0.013	O	|	|	|	0.04
142.500	0.00	0.01	0.013	O	|	|	|	0.04
142.583	0.00	0.01	0.013	O	|	|	|	0.04
142.667	0.00	0.01	0.013	O	|	|	|	0.03
142.750	0.00	0.01	0.013	O	|	|	|	0.03
142.833	0.00	0.01	0.013	O	|	|	|	0.03
142.917	0.00	0.01	0.013	O	|	|	|	0.03
143.000	0.00	0.01	0.013	O	|	|	|	0.03
143.083	0.00	0.01	0.013	O	|	|	|	0.03
143.167	0.00	0.01	0.013	O	|	|	|	0.03
143.250	0.00	0.01	0.013	O	|	|	|	0.03
143.333	0.00	0.01	0.013	O	|	|	|	0.03
143.417	0.00	0.01	0.013	O	|	|	|	0.03
143.500	0.00	0.01	0.013	O	|	|	|	0.03
143.583	0.00	0.01	0.013	O	|	|	|	0.03
143.667	0.00	0.01	0.012	O	|	|	|	0.03
143.750	0.00	0.01	0.012	O	|	|	|	0.03
143.833	0.00	0.01	0.012	O	|	|	|	0.03
143.917	0.00	0.01	0.012	O	|	|	|	0.03
144.000	0.00	0.01	0.012	O	|	|	|	0.03
144.083	0.00	0.01	0.012	O	|	|	|	0.03
144.167	0.00	0.01	0.012	O	|	|	|	0.03
144.250	0.00	0.01	0.012	O	|	|	|	0.03
144.333	0.00	0.01	0.012	O	|	|	|	0.03
144.417	0.00	0.01	0.012	O	|	|	|	0.03
144.500	0.00	0.01	0.012	O	|	|	|	0.03
144.583	0.00	0.01	0.012	O	|	|	|	0.03
144.667	0.00	0.01	0.012	O	|	|	|	0.03
144.750	0.00	0.01	0.012	O	|	|	|	0.03
144.833	0.00	0.01	0.012	O	|	|	|	0.03
144.917	0.00	0.01	0.012	O	|	|	|	0.03
145.000	0.00	0.01	0.011	O	|	|	|	0.03
145.083	0.00	0.01	0.011	O	|	|	|	0.03
145.167	0.00	0.01	0.011	O	|	|	|	0.03
145.250	0.00	0.01	0.011	O	|	|	|	0.03

145.333	0.00	0.01	0.011	O	|	|	|	0.03
145.417	0.00	0.01	0.011	O	|	|	|	0.03
145.500	0.00	0.01	0.011	O	|	|	|	0.03
145.583	0.00	0.01	0.011	O	|	|	|	0.03
145.667	0.00	0.01	0.011	O	|	|	|	0.03
145.750	0.00	0.01	0.011	O	|	|	|	0.03
145.833	0.00	0.01	0.011	O	|	|	|	0.03
145.917	0.00	0.01	0.011	O	|	|	|	0.03
146.000	0.00	0.01	0.011	O	|	|	|	0.03
146.083	0.00	0.01	0.011	O	|	|	|	0.03
146.167	0.00	0.01	0.011	O	|	|	|	0.03
146.250	0.00	0.01	0.011	O	|	|	|	0.03
146.333	0.00	0.01	0.011	O	|	|	|	0.03
146.417	0.00	0.01	0.010	O	|	|	|	0.03
146.500	0.00	0.01	0.010	O	|	|	|	0.03
146.583	0.00	0.01	0.010	O	|	|	|	0.03
146.667	0.00	0.01	0.010	O	|	|	|	0.03
146.750	0.00	0.01	0.010	O	|	|	|	0.03
146.833	0.00	0.01	0.010	O	|	|	|	0.03
146.917	0.00	0.01	0.010	O	|	|	|	0.03
147.000	0.00	0.01	0.010	O	|	|	|	0.03
147.083	0.00	0.01	0.010	O	|	|	|	0.03
147.167	0.00	0.01	0.010	O	|	|	|	0.03
147.250	0.00	0.01	0.010	O	|	|	|	0.03
147.333	0.00	0.01	0.010	O	|	|	|	0.03
147.417	0.00	0.01	0.010	O	|	|	|	0.03
147.500	0.00	0.01	0.010	O	|	|	|	0.03
147.583	0.00	0.01	0.010	O	|	|	|	0.03
147.667	0.00	0.01	0.010	O	|	|	|	0.03
147.750	0.00	0.01	0.010	O	|	|	|	0.03
147.833	0.00	0.01	0.010	O	|	|	|	0.03
147.917	0.00	0.01	0.010	O	|	|	|	0.03
148.000	0.00	0.01	0.009	O	|	|	|	0.02
148.083	0.00	0.01	0.009	O	|	|	|	0.02
148.167	0.00	0.01	0.009	O	|	|	|	0.02
148.250	0.00	0.01	0.009	O	|	|	|	0.02
148.333	0.00	0.01	0.009	O	|	|	|	0.02
148.417	0.00	0.01	0.009	O	|	|	|	0.02
148.500	0.00	0.01	0.009	O	|	|	|	0.02
148.583	0.00	0.01	0.009	O	|	|	|	0.02
148.667	0.00	0.01	0.009	O	|	|	|	0.02
148.750	0.00	0.01	0.009	O	|	|	|	0.02
148.833	0.00	0.01	0.009	O	|	|	|	0.02
148.917	0.00	0.01	0.009	O	|	|	|	0.02
149.000	0.00	0.01	0.009	O	|	|	|	0.02
149.083	0.00	0.01	0.009	O	|	|	|	0.02
149.167	0.00	0.01	0.009	O	|	|	|	0.02
149.250	0.00	0.01	0.009	O	|	|	|	0.02
149.333	0.00	0.01	0.009	O	|	|	|	0.02
149.417	0.00	0.01	0.009	O	|	|	|	0.02
149.500	0.00	0.01	0.009	O	|	|	|	0.02
149.583	0.00	0.01	0.009	O	|	|	|	0.02
149.667	0.00	0.01	0.009	O	|	|	|	0.02
149.750	0.00	0.01	0.008	O	|	|	|	0.02
149.833	0.00	0.01	0.008	O	|	|	|	0.02
149.917	0.00	0.01	0.008	O	|	|	|	0.02
150.000	0.00	0.01	0.008	O	|	|	|	0.02
150.083	0.00	0.01	0.008	O	|	|	|	0.02
150.167	0.00	0.01	0.008	O	|	|	|	0.02
150.250	0.00	0.01	0.008	O	|	|	|	0.02
150.333	0.00	0.01	0.008	O	|	|	|	0.02
150.417	0.00	0.01	0.008	O	|	|	|	0.02
150.500	0.00	0.01	0.008	O	|	|	|	0.02
150.583	0.00	0.01	0.008	O	|	|	|	0.02
150.667	0.00	0.01	0.008	O	|	|	|	0.02
150.750	0.00	0.01	0.008	O	|	|	|	0.02
150.833	0.00	0.01	0.008	O	|	|	|	0.02

150.917	0.00	0.01	0.008	O	|	|	|	|	0.02
151.000	0.00	0.01	0.008	O	|	|	|	|	0.02
151.083	0.00	0.01	0.008	O	|	|	|	|	0.02
151.167	0.00	0.01	0.008	O	|	|	|	|	0.02
151.250	0.00	0.01	0.008	O	|	|	|	|	0.02
151.333	0.00	0.01	0.008	O	|	|	|	|	0.02
151.417	0.00	0.01	0.008	O	|	|	|	|	0.02
151.500	0.00	0.01	0.008	O	|	|	|	|	0.02
151.583	0.00	0.01	0.008	O	|	|	|	|	0.02
151.667	0.00	0.01	0.008	O	|	|	|	|	0.02
151.750	0.00	0.01	0.007	O	|	|	|	|	0.02
151.833	0.00	0.01	0.007	O	|	|	|	|	0.02
151.917	0.00	0.01	0.007	O	|	|	|	|	0.02
152.000	0.00	0.01	0.007	O	|	|	|	|	0.02
152.083	0.00	0.01	0.007	O	|	|	|	|	0.02
152.167	0.00	0.01	0.007	O	|	|	|	|	0.02
152.250	0.00	0.01	0.007	O	|	|	|	|	0.02
152.333	0.00	0.01	0.007	O	|	|	|	|	0.02
152.417	0.00	0.01	0.007	O	|	|	|	|	0.02
152.500	0.00	0.01	0.007	O	|	|	|	|	0.02
152.583	0.00	0.01	0.007	O	|	|	|	|	0.02
152.667	0.00	0.01	0.007	O	|	|	|	|	0.02
152.750	0.00	0.01	0.007	O	|	|	|	|	0.02
152.833	0.00	0.01	0.007	O	|	|	|	|	0.02
152.917	0.00	0.01	0.007	O	|	|	|	|	0.02
153.000	0.00	0.01	0.007	O	|	|	|	|	0.02
153.083	0.00	0.01	0.007	O	|	|	|	|	0.02
153.167	0.00	0.01	0.007	O	|	|	|	|	0.02
153.250	0.00	0.01	0.007	O	|	|	|	|	0.02
153.333	0.00	0.01	0.007	O	|	|	|	|	0.02
153.417	0.00	0.01	0.007	O	|	|	|	|	0.02
153.500	0.00	0.01	0.007	O	|	|	|	|	0.02
153.583	0.00	0.01	0.007	O	|	|	|	|	0.02
153.667	0.00	0.01	0.007	O	|	|	|	|	0.02
153.750	0.00	0.01	0.007	O	|	|	|	|	0.02
153.833	0.00	0.01	0.007	O	|	|	|	|	0.02
153.917	0.00	0.00	0.007	O	|	|	|	|	0.02
154.000	0.00	0.00	0.006	O	|	|	|	|	0.02
154.083	0.00	0.00	0.006	O	|	|	|	|	0.02
154.167	0.00	0.00	0.006	O	|	|	|	|	0.02
154.250	0.00	0.00	0.006	O	|	|	|	|	0.02
154.333	0.00	0.00	0.006	O	|	|	|	|	0.02
154.417	0.00	0.00	0.006	O	|	|	|	|	0.02
154.500	0.00	0.00	0.006	O	|	|	|	|	0.02
154.583	0.00	0.00	0.006	O	|	|	|	|	0.02
154.667	0.00	0.00	0.006	O	|	|	|	|	0.02
154.750	0.00	0.00	0.006	O	|	|	|	|	0.02
154.833	0.00	0.00	0.006	O	|	|	|	|	0.02
154.917	0.00	0.00	0.006	O	|	|	|	|	0.02
155.000	0.00	0.00	0.006	O	|	|	|	|	0.02
155.083	0.00	0.00	0.006	O	|	|	|	|	0.02
155.167	0.00	0.00	0.006	O	|	|	|	|	0.02
155.250	0.00	0.00	0.006	O	|	|	|	|	0.02
155.333	0.00	0.00	0.006	O	|	|	|	|	0.02
155.417	0.00	0.00	0.006	O	|	|	|	|	0.02
155.500	0.00	0.00	0.006	O	|	|	|	|	0.02
155.583	0.00	0.00	0.006	O	|	|	|	|	0.02
155.667	0.00	0.00	0.006	O	|	|	|	|	0.02
155.750	0.00	0.00	0.006	O	|	|	|	|	0.02
155.833	0.00	0.00	0.006	O	|	|	|	|	0.02
155.917	0.00	0.00	0.006	O	|	|	|	|	0.02
156.000	0.00	0.00	0.006	O	|	|	|	|	0.02
156.083	0.00	0.00	0.006	O	|	|	|	|	0.01
156.167	0.00	0.00	0.006	O	|	|	|	|	0.01
156.250	0.00	0.00	0.006	O	|	|	|	|	0.01
156.333	0.00	0.00	0.006	O	|	|	|	|	0.01
156.417	0.00	0.00	0.006	O	|	|	|	|	0.01

156.500	0.00	0.00	0.006	O	|	|	|	0.01
156.583	0.00	0.00	0.006	O	|	|	|	0.01
156.667	0.00	0.00	0.005	O	|	|	|	0.01
156.750	0.00	0.00	0.005	O	|	|	|	0.01
156.833	0.00	0.00	0.005	O	|	|	|	0.01
156.917	0.00	0.00	0.005	O	|	|	|	0.01
157.000	0.00	0.00	0.005	O	|	|	|	0.01
157.083	0.00	0.00	0.005	O	|	|	|	0.01
157.167	0.00	0.00	0.005	O	|	|	|	0.01
157.250	0.00	0.00	0.005	O	|	|	|	0.01
157.333	0.00	0.00	0.005	O	|	|	|	0.01
157.417	0.00	0.00	0.005	O	|	|	|	0.01
157.500	0.00	0.00	0.005	O	|	|	|	0.01
157.583	0.00	0.00	0.005	O	|	|	|	0.01
157.667	0.00	0.00	0.005	O	|	|	|	0.01
157.750	0.00	0.00	0.005	O	|	|	|	0.01
157.833	0.00	0.00	0.005	O	|	|	|	0.01
157.917	0.00	0.00	0.005	O	|	|	|	0.01
158.000	0.00	0.00	0.005	O	|	|	|	0.01
158.083	0.00	0.00	0.005	O	|	|	|	0.01
158.167	0.00	0.00	0.005	O	|	|	|	0.01
158.250	0.00	0.00	0.005	O	|	|	|	0.01
158.333	0.00	0.00	0.005	O	|	|	|	0.01
158.417	0.00	0.00	0.005	O	|	|	|	0.01
158.500	0.00	0.00	0.005	O	|	|	|	0.01
158.583	0.00	0.00	0.005	O	|	|	|	0.01
158.667	0.00	0.00	0.005	O	|	|	|	0.01
158.750	0.00	0.00	0.005	O	|	|	|	0.01
158.833	0.00	0.00	0.005	O	|	|	|	0.01
158.917	0.00	0.00	0.005	O	|	|	|	0.01
159.000	0.00	0.00	0.005	O	|	|	|	0.01
159.083	0.00	0.00	0.005	O	|	|	|	0.01
159.167	0.00	0.00	0.005	O	|	|	|	0.01
159.250	0.00	0.00	0.005	O	|	|	|	0.01
159.333	0.00	0.00	0.005	O	|	|	|	0.01
159.417	0.00	0.00	0.005	O	|	|	|	0.01
159.500	0.00	0.00	0.005	O	|	|	|	0.01
159.583	0.00	0.00	0.005	O	|	|	|	0.01
159.667	0.00	0.00	0.005	O	|	|	|	0.01
159.750	0.00	0.00	0.005	O	|	|	|	0.01
159.833	0.00	0.00	0.004	O	|	|	|	0.01
159.917	0.00	0.00	0.004	O	|	|	|	0.01
160.000	0.00	0.00	0.004	O	|	|	|	0.01
160.083	0.00	0.00	0.004	O	|	|	|	0.01
160.167	0.00	0.00	0.004	O	|	|	|	0.01
160.250	0.00	0.00	0.004	O	|	|	|	0.01
160.333	0.00	0.00	0.004	O	|	|	|	0.01
160.417	0.00	0.00	0.004	O	|	|	|	0.01
160.500	0.00	0.00	0.004	O	|	|	|	0.01
160.583	0.00	0.00	0.004	O	|	|	|	0.01
160.667	0.00	0.00	0.004	O	|	|	|	0.01
160.750	0.00	0.00	0.004	O	|	|	|	0.01
160.833	0.00	0.00	0.004	O	|	|	|	0.01
160.917	0.00	0.00	0.004	O	|	|	|	0.01
161.000	0.00	0.00	0.004	O	|	|	|	0.01
161.083	0.00	0.00	0.004	O	|	|	|	0.01
161.167	0.00	0.00	0.004	O	|	|	|	0.01
161.250	0.00	0.00	0.004	O	|	|	|	0.01
161.333	0.00	0.00	0.004	O	|	|	|	0.01
161.417	0.00	0.00	0.004	O	|	|	|	0.01
161.500	0.00	0.00	0.004	O	|	|	|	0.01
161.583	0.00	0.00	0.004	O	|	|	|	0.01
161.667	0.00	0.00	0.004	O	|	|	|	0.01
161.750	0.00	0.00	0.004	O	|	|	|	0.01
161.833	0.00	0.00	0.004	O	|	|	|	0.01
161.917	0.00	0.00	0.004	O	|	|	|	0.01
162.000	0.00	0.00	0.004	O	|	|	|	0.01

162.083	0.00	0.00	0.004	O	|	|	|	|	0.01
162.167	0.00	0.00	0.004	O	|	|	|	|	0.01
162.250	0.00	0.00	0.004	O	|	|	|	|	0.01
162.333	0.00	0.00	0.004	O	|	|	|	|	0.01
162.417	0.00	0.00	0.004	O	|	|	|	|	0.01
162.500	0.00	0.00	0.004	O	|	|	|	|	0.01
162.583	0.00	0.00	0.004	O	|	|	|	|	0.01
162.667	0.00	0.00	0.004	O	|	|	|	|	0.01
162.750	0.00	0.00	0.004	O	|	|	|	|	0.01
162.833	0.00	0.00	0.004	O	|	|	|	|	0.01
162.917	0.00	0.00	0.004	O	|	|	|	|	0.01
163.000	0.00	0.00	0.004	O	|	|	|	|	0.01
163.083	0.00	0.00	0.004	O	|	|	|	|	0.01
163.167	0.00	0.00	0.004	O	|	|	|	|	0.01
163.250	0.00	0.00	0.004	O	|	|	|	|	0.01
163.333	0.00	0.00	0.004	O	|	|	|	|	0.01
163.417	0.00	0.00	0.004	O	|	|	|	|	0.01
163.500	0.00	0.00	0.004	O	|	|	|	|	0.01
163.583	0.00	0.00	0.004	O	|	|	|	|	0.01
163.667	0.00	0.00	0.004	O	|	|	|	|	0.01
163.750	0.00	0.00	0.004	O	|	|	|	|	0.01
163.833	0.00	0.00	0.003	O	|	|	|	|	0.01
163.917	0.00	0.00	0.003	O	|	|	|	|	0.01
164.000	0.00	0.00	0.003	O	|	|	|	|	0.01
164.083	0.00	0.00	0.003	O	|	|	|	|	0.01
164.167	0.00	0.00	0.003	O	|	|	|	|	0.01
164.250	0.00	0.00	0.003	O	|	|	|	|	0.01
164.333	0.00	0.00	0.003	O	|	|	|	|	0.01
164.417	0.00	0.00	0.003	O	|	|	|	|	0.01
164.500	0.00	0.00	0.003	O	|	|	|	|	0.01
164.583	0.00	0.00	0.003	O	|	|	|	|	0.01
164.667	0.00	0.00	0.003	O	|	|	|	|	0.01
164.750	0.00	0.00	0.003	O	|	|	|	|	0.01
164.833	0.00	0.00	0.003	O	|	|	|	|	0.01
164.917	0.00	0.00	0.003	O	|	|	|	|	0.01
165.000	0.00	0.00	0.003	O	|	|	|	|	0.01
165.083	0.00	0.00	0.003	O	|	|	|	|	0.01
165.167	0.00	0.00	0.003	O	|	|	|	|	0.01
165.250	0.00	0.00	0.003	O	|	|	|	|	0.01
165.333	0.00	0.00	0.003	O	|	|	|	|	0.01
165.417	0.00	0.00	0.003	O	|	|	|	|	0.01
165.500	0.00	0.00	0.003	O	|	|	|	|	0.01
165.583	0.00	0.00	0.003	O	|	|	|	|	0.01
165.667	0.00	0.00	0.003	O	|	|	|	|	0.01
165.750	0.00	0.00	0.003	O	|	|	|	|	0.01
165.833	0.00	0.00	0.003	O	|	|	|	|	0.01
165.917	0.00	0.00	0.003	O	|	|	|	|	0.01
166.000	0.00	0.00	0.003	O	|	|	|	|	0.01
166.083	0.00	0.00	0.003	O	|	|	|	|	0.01
166.167	0.00	0.00	0.003	O	|	|	|	|	0.01
166.250	0.00	0.00	0.003	O	|	|	|	|	0.01
166.333	0.00	0.00	0.003	O	|	|	|	|	0.01
166.417	0.00	0.00	0.003	O	|	|	|	|	0.01
166.500	0.00	0.00	0.003	O	|	|	|	|	0.01
166.583	0.00	0.00	0.003	O	|	|	|	|	0.01
166.667	0.00	0.00	0.003	O	|	|	|	|	0.01
166.750	0.00	0.00	0.003	O	|	|	|	|	0.01
166.833	0.00	0.00	0.003	O	|	|	|	|	0.01
166.917	0.00	0.00	0.003	O	|	|	|	|	0.01
167.000	0.00	0.00	0.003	O	|	|	|	|	0.01
167.083	0.00	0.00	0.003	O	|	|	|	|	0.01
167.167	0.00	0.00	0.003	O	|	|	|	|	0.01
167.250	0.00	0.00	0.003	O	|	|	|	|	0.01
167.333	0.00	0.00	0.003	O	|	|	|	|	0.01
167.417	0.00	0.00	0.003	O	|	|	|	|	0.01
167.500	0.00	0.00	0.003	O	|	|	|	|	0.01
167.583	0.00	0.00	0.003	O	|	|	|	|	0.01

167.667	0.00	0.00	0.003	O	|	|	|	0.01
167.750	0.00	0.00	0.003	O	|	|	|	0.01
167.833	0.00	0.00	0.003	O	|	|	|	0.01
167.917	0.00	0.00	0.003	O	|	|	|	0.01
168.000	0.00	0.00	0.003	O	|	|	|	0.01
168.083	0.00	0.00	0.003	O	|	|	|	0.01
168.167	0.00	0.00	0.003	O	|	|	|	0.01
168.250	0.00	0.00	0.003	O	|	|	|	0.01
168.333	0.00	0.00	0.003	O	|	|	|	0.01
168.417	0.00	0.00	0.003	O	|	|	|	0.01
168.500	0.00	0.00	0.003	O	|	|	|	0.01
168.583	0.00	0.00	0.003	O	|	|	|	0.01
168.667	0.00	0.00	0.003	O	|	|	|	0.01
168.750	0.00	0.00	0.003	O	|	|	|	0.01
168.833	0.00	0.00	0.003	O	|	|	|	0.01
168.917	0.00	0.00	0.003	O	|	|	|	0.01
169.000	0.00	0.00	0.003	O	|	|	|	0.01
169.083	0.00	0.00	0.003	O	|	|	|	0.01
169.167	0.00	0.00	0.002	O	|	|	|	0.01
169.250	0.00	0.00	0.002	O	|	|	|	0.01
169.333	0.00	0.00	0.002	O	|	|	|	0.01
169.417	0.00	0.00	0.002	O	|	|	|	0.01
169.500	0.00	0.00	0.002	O	|	|	|	0.01
169.583	0.00	0.00	0.002	O	|	|	|	0.01
169.667	0.00	0.00	0.002	O	|	|	|	0.01
169.750	0.00	0.00	0.002	O	|	|	|	0.01
169.833	0.00	0.00	0.002	O	|	|	|	0.01
169.917	0.00	0.00	0.002	O	|	|	|	0.01
170.000	0.00	0.00	0.002	O	|	|	|	0.01
170.083	0.00	0.00	0.002	O	|	|	|	0.01
170.167	0.00	0.00	0.002	O	|	|	|	0.01
170.250	0.00	0.00	0.002	O	|	|	|	0.01
170.333	0.00	0.00	0.002	O	|	|	|	0.01
170.417	0.00	0.00	0.002	O	|	|	|	0.01
170.500	0.00	0.00	0.002	O	|	|	|	0.01
170.583	0.00	0.00	0.002	O	|	|	|	0.01
170.667	0.00	0.00	0.002	O	|	|	|	0.01
170.750	0.00	0.00	0.002	O	|	|	|	0.01
170.833	0.00	0.00	0.002	O	|	|	|	0.01
170.917	0.00	0.00	0.002	O	|	|	|	0.01
171.000	0.00	0.00	0.002	O	|	|	|	0.01
171.083	0.00	0.00	0.002	O	|	|	|	0.01
171.167	0.00	0.00	0.002	O	|	|	|	0.01
171.250	0.00	0.00	0.002	O	|	|	|	0.01
171.333	0.00	0.00	0.002	O	|	|	|	0.01
171.417	0.00	0.00	0.002	O	|	|	|	0.01
171.500	0.00	0.00	0.002	O	|	|	|	0.01
171.583	0.00	0.00	0.002	O	|	|	|	0.01
171.667	0.00	0.00	0.002	O	|	|	|	0.01
171.750	0.00	0.00	0.002	O	|	|	|	0.01
171.833	0.00	0.00	0.002	O	|	|	|	0.01
171.917	0.00	0.00	0.002	O	|	|	|	0.01
172.000	0.00	0.00	0.002	O	|	|	|	0.01
172.083	0.00	0.00	0.002	O	|	|	|	0.01
172.167	0.00	0.00	0.002	O	|	|	|	0.01
172.250	0.00	0.00	0.002	O	|	|	|	0.01
172.333	0.00	0.00	0.002	O	|	|	|	0.01
172.417	0.00	0.00	0.002	O	|	|	|	0.01
172.500	0.00	0.00	0.002	O	|	|	|	0.01
172.583	0.00	0.00	0.002	O	|	|	|	0.01
172.667	0.00	0.00	0.002	O	|	|	|	0.01
172.750	0.00	0.00	0.002	O	|	|	|	0.01
172.833	0.00	0.00	0.002	O	|	|	|	0.01
172.917	0.00	0.00	0.002	O	|	|	|	0.01
173.000	0.00	0.00	0.002	O	|	|	|	0.01
173.083	0.00	0.00	0.002	O	|	|	|	0.01
173.167	0.00	0.00	0.002	O	|	|	|	0.01

173.250	0.00	0.00	0.002	O					0.01
173.333	0.00	0.00	0.002	O					0.01
173.417	0.00	0.00	0.002	O					0.01
173.500	0.00	0.00	0.002	O					0.00
173.583	0.00	0.00	0.002	O					0.00
173.667	0.00	0.00	0.002	O					0.00
173.750	0.00	0.00	0.002	O					0.00
173.833	0.00	0.00	0.002	O					0.00
173.917	0.00	0.00	0.002	O					0.00
174.000	0.00	0.00	0.002	O					0.00
174.083	0.00	0.00	0.002	O					0.00
174.167	0.00	0.00	0.002	O					0.00
174.250	0.00	0.00	0.002	O					0.00
174.333	0.00	0.00	0.002	O					0.00
174.417	0.00	0.00	0.002	O					0.00
174.500	0.00	0.00	0.002	O					0.00
174.583	0.00	0.00	0.002	O					0.00
174.667	0.00	0.00	0.002	O					0.00
174.750	0.00	0.00	0.002	O					0.00
174.833	0.00	0.00	0.002	O					0.00
174.917	0.00	0.00	0.002	O					0.00
175.000	0.00	0.00	0.002	O					0.00
175.083	0.00	0.00	0.002	O					0.00
175.167	0.00	0.00	0.002	O					0.00
175.250	0.00	0.00	0.002	O					0.00
175.333	0.00	0.00	0.002	O					0.00
175.417	0.00	0.00	0.002	O					0.00
175.500	0.00	0.00	0.002	O					0.00
175.583	0.00	0.00	0.002	O					0.00
175.667	0.00	0.00	0.002	O					0.00
175.750	0.00	0.00	0.002	O					0.00
175.833	0.00	0.00	0.002	O					0.00
175.917	0.00	0.00	0.002	O					0.00
176.000	0.00	0.00	0.002	O					0.00
176.083	0.00	0.00	0.002	O					0.00
176.167	0.00	0.00	0.002	O					0.00
176.250	0.00	0.00	0.002	O					0.00
176.333	0.00	0.00	0.002	O					0.00
176.417	0.00	0.00	0.002	O					0.00
176.500	0.00	0.00	0.002	O					0.00
176.583	0.00	0.00	0.002	O					0.00
176.667	0.00	0.00	0.002	O					0.00
176.750	0.00	0.00	0.002	O					0.00
176.833	0.00	0.00	0.002	O					0.00
176.917	0.00	0.00	0.002	O					0.00
177.000	0.00	0.00	0.002	O					0.00
177.083	0.00	0.00	0.002	O					0.00
177.167	0.00	0.00	0.002	O					0.00
177.250	0.00	0.00	0.001	O					0.00
177.333	0.00	0.00	0.001	O					0.00
177.417	0.00	0.00	0.001	O					0.00
177.500	0.00	0.00	0.001	O					0.00
177.583	0.00	0.00	0.001	O					0.00
177.667	0.00	0.00	0.001	O					0.00
177.750	0.00	0.00	0.001	O					0.00
177.833	0.00	0.00	0.001	O					0.00
177.917	0.00	0.00	0.001	O					0.00
178.000	0.00	0.00	0.001	O					0.00
178.083	0.00	0.00	0.001	O					0.00
178.167	0.00	0.00	0.001	O					0.00
178.250	0.00	0.00	0.001	O					0.00
178.333	0.00	0.00	0.001	O					0.00
178.417	0.00	0.00	0.001	O					0.00
178.500	0.00	0.00	0.001	O					0.00
178.583	0.00	0.00	0.001	O					0.00
178.667	0.00	0.00	0.001	O					0.00
178.750	0.00	0.00	0.001	O					0.00

```
178.833    0.00    0.00      0.001  O       |       |       |       |     0.00
178.917    0.00    0.00      0.001  O       |       |       |       |     0.00
179.000    0.00    0.00      0.001  O       |       |       |       |     0.00
179.083    0.00    0.00      0.001  O       |       |       |       |     0.00
179.167    0.00    0.00      0.001  O       |       |       |       |     0.00
179.250    0.00    0.00      0.001  O       |       |       |       |     0.00
179.333    0.00    0.00      0.001  O       |       |       |       |     0.00
179.417    0.00    0.00      0.001  O       |       |       |       |     0.00

       Remaining water in basin =    0.00 (Ac.Ft)


       ****************************HYDROGRAPH DATA****************************
                    Number of intervals =  2153
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =       16.594 (CFS)
                    Total volume =      10.126 (Ac.Ft)
              Status of hydrographs being held in storage
                         Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000     0.000     0.000
              Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
       ************************************************************************

       ------------------------------------------------------------------------
```

BASIN H

UNIT HYDROGRAPH

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
Study date 12/20/21 File: EH242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN H- EXISTING UNIT HYDROGRAPH
2YR-24HR STORM

Drainage Area = 81.84(Ac.) = 0.128 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 81.84(Ac.) = 0.128 Sq. Mi.
Length along longest watercourse = 3201.00(Ft.)
Length along longest watercourse measured to centroid = 2135.00(Ft.)
Length along longest watercourse = 0.606 Mi.
Length along longest watercourse measured to centroid = 0.404 Mi.
Difference in elevation = 70.00(Ft.)
Slope along watercourse = 115.4639 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.228 Hr.
Lag time = 13.69 Min.
25% of lag time = 3.42 Min.
40% of lag time = 5.48 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	2.70	220.97

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	7.00	572.88

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
81.840	81.80	0.000

Total Area Entered = 81.84(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-1     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
81.8  65.5      0.410     0.000        0.410       1.000      0.410
                                                  Sum (F) =   0.410
Area averaged mean soil loss (F) (In/Hr) =  0.410
Minimum soil loss rate ((In/Hr)) =  0.205
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
```

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	36.512	3.808	3.141
2	0.167	73.024	15.202	12.539
3	0.250	109.536	24.471	20.184
4	0.333	146.048	19.044	15.707
5	0.417	182.559	9.745	8.037
6	0.500	219.071	5.711	4.710
7	0.583	255.583	4.237	3.494
8	0.667	292.095	3.316	2.735
9	0.750	328.607	2.577	2.125
10	0.833	365.119	2.151	1.774
11	0.917	401.631	1.706	1.407
12	1.000	438.143	1.368	1.129
13	1.083	474.655	1.152	0.950
14	1.167	511.166	1.086	0.895
15	1.250	547.678	0.874	0.721
16	1.333	584.190	0.739	0.610
17	1.417	620.702	0.634	0.523
18	1.500	657.214	0.522	0.431
19	1.583	693.726	0.412	0.340
20	1.667	730.238	0.365	0.301
21	1.750	766.750	0.365	0.301
22	1.833	803.262	0.515	0.425
		Sum = 100.000	Sum=	82.479

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.727)	0.019	0.002
2	0.17	0.07	0.022	(0.725)	0.019	0.002
3	0.25	0.07	0.022	(0.722)	0.019	0.002
4	0.33	0.10	0.032	(0.719)	0.029	0.003
5	0.42	0.10	0.032	(0.716)	0.029	0.003
6	0.50	0.10	0.032	(0.713)	0.029	0.003
7	0.58	0.10	0.032	(0.711)	0.029	0.003
8	0.67	0.10	0.032	(0.708)	0.029	0.003
9	0.75	0.10	0.032	(0.705)	0.029	0.003
10	0.83	0.13	0.043	(0.702)	0.039	0.004
11	0.92	0.13	0.043	(0.700)	0.039	0.004
12	1.00	0.13	0.043	(0.697)	0.039	0.004
13	1.08	0.10	0.032	(0.694)	0.029	0.003
14	1.17	0.10	0.032	(0.691)	0.029	0.003
15	1.25	0.10	0.032	(0.689)	0.029	0.003
16	1.33	0.10	0.032	(0.686)	0.029	0.003
17	1.42	0.10	0.032	(0.683)	0.029	0.003
18	1.50	0.10	0.032	(0.680)	0.029	0.003
19	1.58	0.10	0.032	(0.678)	0.029	0.003

20	1.67	0.10	0.032	(0.675)	0.029	0.003
21	1.75	0.10	0.032	(0.672)	0.029	0.003
22	1.83	0.13	0.043	(0.670)	0.039	0.004
23	1.92	0.13	0.043	(0.667)	0.039	0.004
24	2.00	0.13	0.043	(0.664)	0.039	0.004
25	2.08	0.13	0.043	(0.661)	0.039	0.004
26	2.17	0.13	0.043	(0.659)	0.039	0.004
27	2.25	0.13	0.043	(0.656)	0.039	0.004
28	2.33	0.13	0.043	(0.653)	0.039	0.004
29	2.42	0.13	0.043	(0.651)	0.039	0.004
30	2.50	0.13	0.043	(0.648)	0.039	0.004
31	2.58	0.17	0.054	(0.645)	0.049	0.005
32	2.67	0.17	0.054	(0.643)	0.049	0.005
33	2.75	0.17	0.054	(0.640)	0.049	0.005
34	2.83	0.17	0.054	(0.638)	0.049	0.005
35	2.92	0.17	0.054	(0.635)	0.049	0.005
36	3.00	0.17	0.054	(0.632)	0.049	0.005
37	3.08	0.17	0.054	(0.630)	0.049	0.005
38	3.17	0.17	0.054	(0.627)	0.049	0.005
39	3.25	0.17	0.054	(0.624)	0.049	0.005
40	3.33	0.17	0.054	(0.622)	0.049	0.005
41	3.42	0.17	0.054	(0.619)	0.049	0.005
42	3.50	0.17	0.054	(0.617)	0.049	0.005
43	3.58	0.17	0.054	(0.614)	0.049	0.005
44	3.67	0.17	0.054	(0.612)	0.049	0.005
45	3.75	0.17	0.054	(0.609)	0.049	0.005
46	3.83	0.20	0.065	(0.606)	0.058	0.006
47	3.92	0.20	0.065	(0.604)	0.058	0.006
48	4.00	0.20	0.065	(0.601)	0.058	0.006
49	4.08	0.20	0.065	(0.599)	0.058	0.006
50	4.17	0.20	0.065	(0.596)	0.058	0.006
51	4.25	0.20	0.065	(0.594)	0.058	0.006
52	4.33	0.23	0.076	(0.591)	0.068	0.008
53	4.42	0.23	0.076	(0.589)	0.068	0.008
54	4.50	0.23	0.076	(0.586)	0.068	0.008
55	4.58	0.23	0.076	(0.584)	0.068	0.008
56	4.67	0.23	0.076	(0.581)	0.068	0.008
57	4.75	0.23	0.076	(0.579)	0.068	0.008
58	4.83	0.27	0.086	(0.576)	0.078	0.009
59	4.92	0.27	0.086	(0.574)	0.078	0.009
60	5.00	0.27	0.086	(0.571)	0.078	0.009
61	5.08	0.20	0.065	(0.569)	0.058	0.006
62	5.17	0.20	0.065	(0.566)	0.058	0.006
63	5.25	0.20	0.065	(0.564)	0.058	0.006
64	5.33	0.23	0.076	(0.561)	0.068	0.008
65	5.42	0.23	0.076	(0.559)	0.068	0.008
66	5.50	0.23	0.076	(0.556)	0.068	0.008
67	5.58	0.27	0.086	(0.554)	0.078	0.009
68	5.67	0.27	0.086	(0.551)	0.078	0.009
69	5.75	0.27	0.086	(0.549)	0.078	0.009
70	5.83	0.27	0.086	(0.547)	0.078	0.009
71	5.92	0.27	0.086	(0.544)	0.078	0.009
72	6.00	0.27	0.086	(0.542)	0.078	0.009
73	6.08	0.30	0.097	(0.539)	0.087	0.010
74	6.17	0.30	0.097	(0.537)	0.087	0.010
75	6.25	0.30	0.097	(0.535)	0.087	0.010
76	6.33	0.30	0.097	(0.532)	0.087	0.010
77	6.42	0.30	0.097	(0.530)	0.087	0.010
78	6.50	0.30	0.097	(0.527)	0.087	0.010
79	6.58	0.33	0.108	(0.525)	0.097	0.011
80	6.67	0.33	0.108	(0.523)	0.097	0.011
81	6.75	0.33	0.108	(0.520)	0.097	0.011
82	6.83	0.33	0.108	(0.518)	0.097	0.011
83	6.92	0.33	0.108	(0.516)	0.097	0.011
84	7.00	0.33	0.108	(0.513)	0.097	0.011
85	7.08	0.33	0.108	(0.511)	0.097	0.011
86	7.17	0.33	0.108	(0.509)	0.097	0.011

87	7.25	0.33	0.108	(0.506)	0.097	0.011
88	7.33	0.37	0.119	(0.504)	0.107	0.012
89	7.42	0.37	0.119	(0.502)	0.107	0.012
90	7.50	0.37	0.119	(0.499)	0.107	0.012
91	7.58	0.40	0.130	(0.497)	0.117	0.013
92	7.67	0.40	0.130	(0.495)	0.117	0.013
93	7.75	0.40	0.130	(0.492)	0.117	0.013
94	7.83	0.43	0.140	(0.490)	0.126	0.014
95	7.92	0.43	0.140	(0.488)	0.126	0.014
96	8.00	0.43	0.140	(0.486)	0.126	0.014
97	8.08	0.50	0.162	(0.483)	0.146	0.016
98	8.17	0.50	0.162	(0.481)	0.146	0.016
99	8.25	0.50	0.162	(0.479)	0.146	0.016
100	8.33	0.50	0.162	(0.477)	0.146	0.016
101	8.42	0.50	0.162	(0.474)	0.146	0.016
102	8.50	0.50	0.162	(0.472)	0.146	0.016
103	8.58	0.53	0.173	(0.470)	0.155	0.017
104	8.67	0.53	0.173	(0.468)	0.155	0.017
105	8.75	0.53	0.173	(0.466)	0.155	0.017
106	8.83	0.57	0.184	(0.463)	0.165	0.018
107	8.92	0.57	0.184	(0.461)	0.165	0.018
108	9.00	0.57	0.184	(0.459)	0.165	0.018
109	9.08	0.63	0.205	(0.457)	0.185	0.021
110	9.17	0.63	0.205	(0.455)	0.185	0.021
111	9.25	0.63	0.205	(0.453)	0.185	0.021
112	9.33	0.67	0.216	(0.450)	0.194	0.022
113	9.42	0.67	0.216	(0.448)	0.194	0.022
114	9.50	0.67	0.216	(0.446)	0.194	0.022
115	9.58	0.70	0.227	(0.444)	0.204	0.023
116	9.67	0.70	0.227	(0.442)	0.204	0.023
117	9.75	0.70	0.227	(0.440)	0.204	0.023
118	9.83	0.73	0.238	(0.438)	0.214	0.024
119	9.92	0.73	0.238	(0.435)	0.214	0.024
120	10.00	0.73	0.238	(0.433)	0.214	0.024
121	10.08	0.50	0.162	(0.431)	0.146	0.016
122	10.17	0.50	0.162	(0.429)	0.146	0.016
123	10.25	0.50	0.162	(0.427)	0.146	0.016
124	10.33	0.50	0.162	(0.425)	0.146	0.016
125	10.42	0.50	0.162	(0.423)	0.146	0.016
126	10.50	0.50	0.162	(0.421)	0.146	0.016
127	10.58	0.67	0.216	(0.419)	0.194	0.022
128	10.67	0.67	0.216	(0.417)	0.194	0.022
129	10.75	0.67	0.216	(0.415)	0.194	0.022
130	10.83	0.67	0.216	(0.413)	0.194	0.022
131	10.92	0.67	0.216	(0.411)	0.194	0.022
132	11.00	0.67	0.216	(0.409)	0.194	0.022
133	11.08	0.63	0.205	(0.407)	0.185	0.021
134	11.17	0.63	0.205	(0.405)	0.185	0.021
135	11.25	0.63	0.205	(0.403)	0.185	0.021
136	11.33	0.63	0.205	(0.401)	0.185	0.021
137	11.42	0.63	0.205	(0.399)	0.185	0.021
138	11.50	0.63	0.205	(0.397)	0.185	0.021
139	11.58	0.57	0.184	(0.395)	0.165	0.018
140	11.67	0.57	0.184	(0.393)	0.165	0.018
141	11.75	0.57	0.184	(0.391)	0.165	0.018
142	11.83	0.60	0.194	(0.389)	0.175	0.019
143	11.92	0.60	0.194	(0.387)	0.175	0.019
144	12.00	0.60	0.194	(0.385)	0.175	0.019
145	12.08	0.83	0.270	(0.383)	0.243	0.027
146	12.17	0.83	0.270	(0.381)	0.243	0.027
147	12.25	0.83	0.270	(0.379)	0.243	0.027
148	12.33	0.87	0.281	(0.377)	0.253	0.028
149	12.42	0.87	0.281	(0.375)	0.253	0.028
150	12.50	0.87	0.281	(0.374)	0.253	0.028
151	12.58	0.93	0.302	(0.372)	0.272	0.030
152	12.67	0.93	0.302	(0.370)	0.272	0.030
153	12.75	0.93	0.302	(0.368)	0.272	0.030

154	12.83	0.97	0.313	(0.366)	0.282	0.031
155	12.92	0.97	0.313	(0.364)	0.282	0.031
156	13.00	0.97	0.313	(0.362)	0.282	0.031
157	13.08	1.13	0.367	(0.361)	0.330	0.037
158	13.17	1.13	0.367	(0.359)	0.330	0.037
159	13.25	1.13	0.367	(0.357)	0.330	0.037
160	13.33	1.13	0.367	(0.355)	0.330	0.037
161	13.42	1.13	0.367	(0.353)	0.330	0.037
162	13.50	1.13	0.367	(0.352)	0.330	0.037
163	13.58	0.77	0.248	(0.350)	0.224	0.025
164	13.67	0.77	0.248	(0.348)	0.224	0.025
165	13.75	0.77	0.248	(0.346)	0.224	0.025
166	13.83	0.77	0.248	(0.344)	0.224	0.025
167	13.92	0.77	0.248	(0.343)	0.224	0.025
168	14.00	0.77	0.248	(0.341)	0.224	0.025
169	14.08	0.90	0.292	(0.339)	0.262	0.029
170	14.17	0.90	0.292	(0.337)	0.262	0.029
171	14.25	0.90	0.292	(0.336)	0.262	0.029
172	14.33	0.87	0.281	(0.334)	0.253	0.028
173	14.42	0.87	0.281	(0.332)	0.253	0.028
174	14.50	0.87	0.281	(0.331)	0.253	0.028
175	14.58	0.87	0.281	(0.329)	0.253	0.028
176	14.67	0.87	0.281	(0.327)	0.253	0.028
177	14.75	0.87	0.281	(0.326)	0.253	0.028
178	14.83	0.83	0.270	(0.324)	0.243	0.027
179	14.92	0.83	0.270	(0.322)	0.243	0.027
180	15.00	0.83	0.270	(0.321)	0.243	0.027
181	15.08	0.80	0.259	(0.319)	0.233	0.026
182	15.17	0.80	0.259	(0.317)	0.233	0.026
183	15.25	0.80	0.259	(0.316)	0.233	0.026
184	15.33	0.77	0.248	(0.314)	0.224	0.025
185	15.42	0.77	0.248	(0.312)	0.224	0.025
186	15.50	0.77	0.248	(0.311)	0.224	0.025
187	15.58	0.63	0.205	(0.309)	0.185	0.021
188	15.67	0.63	0.205	(0.308)	0.185	0.021
189	15.75	0.63	0.205	(0.306)	0.185	0.021
190	15.83	0.63	0.205	(0.304)	0.185	0.021
191	15.92	0.63	0.205	(0.303)	0.185	0.021
192	16.00	0.63	0.205	(0.301)	0.185	0.021
193	16.08	0.13	0.043	(0.300)	0.039	0.004
194	16.17	0.13	0.043	(0.298)	0.039	0.004
195	16.25	0.13	0.043	(0.297)	0.039	0.004
196	16.33	0.13	0.043	(0.295)	0.039	0.004
197	16.42	0.13	0.043	(0.294)	0.039	0.004
198	16.50	0.13	0.043	(0.292)	0.039	0.004
199	16.58	0.10	0.032	(0.291)	0.029	0.003
200	16.67	0.10	0.032	(0.289)	0.029	0.003
201	16.75	0.10	0.032	(0.288)	0.029	0.003
202	16.83	0.10	0.032	(0.286)	0.029	0.003
203	16.92	0.10	0.032	(0.285)	0.029	0.003
204	17.00	0.10	0.032	(0.283)	0.029	0.003
205	17.08	0.17	0.054	(0.282)	0.049	0.005
206	17.17	0.17	0.054	(0.281)	0.049	0.005
207	17.25	0.17	0.054	(0.279)	0.049	0.005
208	17.33	0.17	0.054	(0.278)	0.049	0.005
209	17.42	0.17	0.054	(0.276)	0.049	0.005
210	17.50	0.17	0.054	(0.275)	0.049	0.005
211	17.58	0.17	0.054	(0.274)	0.049	0.005
212	17.67	0.17	0.054	(0.272)	0.049	0.005
213	17.75	0.17	0.054	(0.271)	0.049	0.005
214	17.83	0.13	0.043	(0.270)	0.039	0.004
215	17.92	0.13	0.043	(0.268)	0.039	0.004
216	18.00	0.13	0.043	(0.267)	0.039	0.004
217	18.08	0.13	0.043	(0.266)	0.039	0.004
218	18.17	0.13	0.043	(0.264)	0.039	0.004
219	18.25	0.13	0.043	(0.263)	0.039	0.004
220	18.33	0.13	0.043	(0.262)	0.039	0.004

221	18.42	0.13	0.043	(0.260)	0.039	0.004
222	18.50	0.13	0.043	(0.259)	0.039	0.004
223	18.58	0.10	0.032	(0.258)	0.029	0.003
224	18.67	0.10	0.032	(0.257)	0.029	0.003
225	18.75	0.10	0.032	(0.255)	0.029	0.003
226	18.83	0.07	0.022	(0.254)	0.019	0.002
227	18.92	0.07	0.022	(0.253)	0.019	0.002
228	19.00	0.07	0.022	(0.252)	0.019	0.002
229	19.08	0.10	0.032	(0.251)	0.029	0.003
230	19.17	0.10	0.032	(0.249)	0.029	0.003
231	19.25	0.10	0.032	(0.248)	0.029	0.003
232	19.33	0.13	0.043	(0.247)	0.039	0.004
233	19.42	0.13	0.043	(0.246)	0.039	0.004
234	19.50	0.13	0.043	(0.245)	0.039	0.004
235	19.58	0.10	0.032	(0.244)	0.029	0.003
236	19.67	0.10	0.032	(0.243)	0.029	0.003
237	19.75	0.10	0.032	(0.242)	0.029	0.003
238	19.83	0.07	0.022	(0.240)	0.019	0.002
239	19.92	0.07	0.022	(0.239)	0.019	0.002
240	20.00	0.07	0.022	(0.238)	0.019	0.002
241	20.08	0.10	0.032	(0.237)	0.029	0.003
242	20.17	0.10	0.032	(0.236)	0.029	0.003
243	20.25	0.10	0.032	(0.235)	0.029	0.003
244	20.33	0.10	0.032	(0.234)	0.029	0.003
245	20.42	0.10	0.032	(0.233)	0.029	0.003
246	20.50	0.10	0.032	(0.232)	0.029	0.003
247	20.58	0.10	0.032	(0.231)	0.029	0.003
248	20.67	0.10	0.032	(0.230)	0.029	0.003
249	20.75	0.10	0.032	(0.229)	0.029	0.003
250	20.83	0.07	0.022	(0.228)	0.019	0.002
251	20.92	0.07	0.022	(0.227)	0.019	0.002
252	21.00	0.07	0.022	(0.227)	0.019	0.002
253	21.08	0.10	0.032	(0.226)	0.029	0.003
254	21.17	0.10	0.032	(0.225)	0.029	0.003
255	21.25	0.10	0.032	(0.224)	0.029	0.003
256	21.33	0.07	0.022	(0.223)	0.019	0.002
257	21.42	0.07	0.022	(0.222)	0.019	0.002
258	21.50	0.07	0.022	(0.221)	0.019	0.002
259	21.58	0.10	0.032	(0.221)	0.029	0.003
260	21.67	0.10	0.032	(0.220)	0.029	0.003
261	21.75	0.10	0.032	(0.219)	0.029	0.003
262	21.83	0.07	0.022	(0.218)	0.019	0.002
263	21.92	0.07	0.022	(0.217)	0.019	0.002
264	22.00	0.07	0.022	(0.217)	0.019	0.002
265	22.08	0.10	0.032	(0.216)	0.029	0.003
266	22.17	0.10	0.032	(0.215)	0.029	0.003
267	22.25	0.10	0.032	(0.215)	0.029	0.003
268	22.33	0.07	0.022	(0.214)	0.019	0.002
269	22.42	0.07	0.022	(0.213)	0.019	0.002
270	22.50	0.07	0.022	(0.213)	0.019	0.002
271	22.58	0.07	0.022	(0.212)	0.019	0.002
272	22.67	0.07	0.022	(0.211)	0.019	0.002
273	22.75	0.07	0.022	(0.211)	0.019	0.002
274	22.83	0.07	0.022	(0.210)	0.019	0.002
275	22.92	0.07	0.022	(0.210)	0.019	0.002
276	23.00	0.07	0.022	(0.209)	0.019	0.002
277	23.08	0.07	0.022	(0.209)	0.019	0.002
278	23.17	0.07	0.022	(0.208)	0.019	0.002
279	23.25	0.07	0.022	(0.208)	0.019	0.002
280	23.33	0.07	0.022	(0.207)	0.019	0.002
281	23.42	0.07	0.022	(0.207)	0.019	0.002
282	23.50	0.07	0.022	(0.207)	0.019	0.002
283	23.58	0.07	0.022	(0.206)	0.019	0.002
284	23.67	0.07	0.022	(0.206)	0.019	0.002
285	23.75	0.07	0.022	(0.206)	0.019	0.002
286	23.83	0.07	0.022	(0.206)	0.019	0.002
287	23.92	0.07	0.022	(0.205)	0.019	0.002

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288  24.00     0.07      0.022       (  0.205)       0.019        0.002
            (Loss Rate Not Used)
    Sum =     100.0                                    Sum =     3.2
      Flood volume = Effective rainfall      0.27(In)
       times area      81.8(Ac.)/[(In)/(Ft.)] =       1.8(Ac.Ft)
      Total soil loss =      2.43(In)
      Total soil loss =    16.570(Ac.Ft)
      Total rainfall =      2.70(In)
      Flood volume =       80198.6 Cubic Feet
      Total soil loss =      721787.1 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =      2.895(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          24 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
 ------------------------------------------------------------------------
   0+ 5       0.0000      0.01  Q          |         |         |         |
   0+10       0.0003      0.03  Q          |         |         |         |
   0+15       0.0008      0.08  Q          |         |         |         |
   0+20       0.0016      0.11  Q          |         |         |         |
   0+25       0.0026      0.15  Q          |         |         |         |
   0+30       0.0038      0.18  Q          |         |         |         |
   0+35       0.0052      0.20  Q          |         |         |         |
   0+40       0.0067      0.22  Q          |         |         |         |
   0+45       0.0083      0.23  Q          |         |         |         |
   0+50       0.0099      0.24  Q          |         |         |         |
   0+55       0.0117      0.26  VQ         |         |         |         |
   1+ 0       0.0136      0.28  VQ         |         |         |         |
   1+ 5       0.0157      0.30  VQ         |         |         |         |
   1+10       0.0178      0.30  VQ         |         |         |         |
   1+15       0.0197      0.29  VQ         |         |         |         |
   1+20       0.0216      0.27  VQ         |         |         |         |
   1+25       0.0235      0.27  VQ         |         |         |         |
   1+30       0.0254      0.27  VQ         |         |         |         |
   1+35       0.0272      0.27  VQ         |         |         |         |
   1+40       0.0291      0.27  VQ         |         |         |         |
   1+45       0.0309      0.27  VQ         |         |         |         |
   1+50       0.0328      0.27  VQ         |         |         |         |
   1+55       0.0348      0.29  VQ         |         |         |         |
   2+ 0       0.0369      0.31  VQ         |         |         |         |
   2+ 5       0.0392      0.33  VQ         |         |         |         |
   2+10       0.0415      0.33  VQ         |         |         |         |
   2+15       0.0438      0.34  VQ         |         |         |         |
   2+20       0.0461      0.34  |Q         |         |         |         |
   2+25       0.0485      0.34  |Q         |         |         |         |
   2+30       0.0509      0.35  |Q         |         |         |         |
   2+35       0.0533      0.35  |Q         |         |         |         |
   2+40       0.0559      0.37  |Q         |         |         |         |
   2+45       0.0585      0.39  |Q         |         |         |         |
   2+50       0.0614      0.41  |Q         |         |         |         |
   2+55       0.0642      0.42  |Q         |         |         |         |
   3+ 0       0.0671      0.42  |Q         |         |         |         |
   3+ 5       0.0701      0.43  |Q         |         |         |         |
   3+10       0.0730      0.43  |Q         |         |         |         |
   3+15       0.0760      0.43  |Q         |         |         |         |
   3+20       0.0790      0.44  |Q         |         |         |         |
   3+25       0.0820      0.44  |Q         |         |         |         |
   3+30       0.0851      0.44  |Q         |         |         |         |
   3+35       0.0881      0.44  |Q         |         |         |         |
   3+40       0.0911      0.44  |Q         |         |         |         |
   3+45       0.0942      0.44  |QV        |         |         |         |
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3+50       0.0973      0.45  |QV       |          |          |          |
3+55       0.1004      0.46  |QV       |          |          |          |
4+ 0       0.1038      0.48  |QV       |          |          |          |
4+ 5       0.1072      0.50  | Q       |          |          |          |
4+10       0.1107      0.51  | Q       |          |          |          |
4+15       0.1143      0.51  | Q       |          |          |          |
4+20       0.1179      0.52  | Q       |          |          |          |
4+25       0.1216      0.54  | Q       |          |          |          |
4+30       0.1254      0.56  | Q       |          |          |          |
4+35       0.1294      0.58  | Q       |          |          |          |
4+40       0.1335      0.59  | Q       |          |          |          |
4+45       0.1376      0.60  | Q       |          |          |          |
4+50       0.1418      0.61  | QV      |          |          |          |
4+55       0.1461      0.62  | QV      |          |          |          |
5+ 0       0.1506      0.65  | QV      |          |          |          |
5+ 5       0.1551      0.66  | QV      |          |          |          |
5+10       0.1596      0.65  | QV      |          |          |          |
5+15       0.1638      0.61  | QV      |          |          |          |
5+20       0.1678      0.58  | QV      |          |          |          |
5+25       0.1718      0.58  | QV      |          |          |          |
5+30       0.1759      0.60  | QV      |          |          |          |
5+35       0.1802      0.61  | QV      |          |          |          |
5+40       0.1845      0.63  | Q V     |          |          |          |
5+45       0.1890      0.66  | Q V     |          |          |          |
5+50       0.1937      0.67  | Q V     |          |          |          |
5+55       0.1984      0.68  | Q V     |          |          |          |
6+ 0       0.2032      0.69  | Q V     |          |          |          |
6+ 5       0.2080      0.70  | Q V     |          |          |          |
6+10       0.2129      0.72  | Q V     |          |          |          |
6+15       0.2180      0.74  | Q V     |          |          |          |
6+20       0.2232      0.76  |  QV     |          |          |          |
6+25       0.2285      0.77  |  QV     |          |          |          |
6+30       0.2339      0.78  |  Q V    |          |          |          |
6+35       0.2393      0.78  |  Q V    |          |          |          |
6+40       0.2448      0.80  |  Q V    |          |          |          |
6+45       0.2505      0.83  |  Q V    |          |          |          |
6+50       0.2563      0.85  |  Q V    |          |          |          |
6+55       0.2622      0.86  |  Q V    |          |          |          |
7+ 0       0.2682      0.86  |  Q V    |          |          |          |
7+ 5       0.2741      0.87  |  Q V    |          |          |          |
7+10       0.2802      0.87  |  Q  V   |          |          |          |
7+15       0.2862      0.88  |  Q  V   |          |          |          |
7+20       0.2923      0.88  |  Q  V   |          |          |          |
7+25       0.2985      0.90  |  Q  V   |          |          |          |
7+30       0.3048      0.92  |  Q  V   |          |          |          |
7+35       0.3113      0.94  |  Q  V   |          |          |          |
7+40       0.3180      0.97  |  Q  V   |          |          |          |
7+45       0.3248      1.00  |  Q   V  |          |          |          |
7+50       0.3319      1.02  |   Q  V  |          |          |          |
7+55       0.3391      1.05  |   Q  V  |          |          |          |
8+ 0       0.3465      1.08  |   Q  V  |          |          |          |
8+ 5       0.3541      1.11  |   Q  V  |          |          |          |
8+10       0.3620      1.15  |   Q  V  |          |          |          |
8+15       0.3703      1.20  |   Q   V |          |          |          |
8+20       0.3788      1.24  |   Q   V |          |          |          |
8+25       0.3875      1.26  |    Q  V |          |          |          |
8+30       0.3963      1.28  |    Q  V |          |          |          |
8+35       0.4052      1.29  |    Q  V |          |          |          |
8+40       0.4143      1.31  |    Q   V|          |          |          |
8+45       0.4235      1.34  |    Q   V|          |          |          |
8+50       0.4330      1.37  |    Q   V|          |          |          |
8+55       0.4426      1.40  |    Q   V|          |          |          |
9+ 0       0.4524      1.43  |    Q   V|          |          |          |
9+ 5       0.4625      1.46  |    Q    V          |          |          |
9+10       0.4728      1.50  |     Q   V          |          |          |
9+15       0.4835      1.55  |     Q   V          |          |          |
9+20       0.4945      1.60  |     Q   V          |          |          |
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 9+25      0.5058     1.64  |     Q   V         |         |         |
 9+30      0.5173     1.67  |     Q   |V        |         |         |
 9+35      0.5290     1.70  |     Q   |V        |         |         |
 9+40      0.5410     1.74  |     Q   |V        |         |         |
 9+45      0.5532     1.77  |      Q  | V       |         |         |
 9+50      0.5656     1.80  |      Q  | V       |         |         |
 9+55      0.5782     1.83  |      Q  | V       |         |         |
10+ 0      0.5910     1.86  |      Q  | V       |         |         |
10+ 5      0.6039     1.87  |      Q  |  V      |         |         |
10+10      0.6162     1.79  |      Q  |  V      |         |         |
10+15      0.6275     1.64  |     Q   |  V      |         |         |
10+20      0.6381     1.53  |     Q   |  V      |         |         |
10+25      0.6483     1.48  |    Q    |   V     |         |         |
10+30      0.6583     1.45  |    Q    |   V     |         |         |
10+35      0.6682     1.45  |    Q    |   V     |         |         |
10+40      0.6785     1.50  |    Q    |   V     |         |         |
10+45      0.6895     1.59  |     Q   |   V     |         |         |
10+50      0.7010     1.67  |     Q   |    V    |         |         |
10+55      0.7127     1.70  |     Q   |    V    |         |         |
11+ 0      0.7246     1.72  |     Q   |    V    |         |         |
11+ 5      0.7365     1.73  |     Q   |     V   |         |         |
11+10      0.7484     1.73  |     Q   |     V   |         |         |
11+15      0.7601     1.71  |     Q   |     V   |         |         |
11+20      0.7718     1.70  |     Q   |     V   |         |         |
11+25      0.7835     1.69  |     Q   |      V  |         |         |
11+30      0.7952     1.69  |     Q   |      V  |         |         |
11+35      0.8068     1.69  |     Q   |      V  |         |         |
11+40      0.8182     1.66  |     Q   |      V  |         |         |
11+45      0.8293     1.61  |     Q   |       V |         |         |
11+50      0.8402     1.58  |     Q   |       V |         |         |
11+55      0.8511     1.58  |     Q   |       V |         |         |
12+ 0      0.8620     1.59  |     Q   |       V |         |         |
12+ 5      0.8732     1.63  |     Q   |       V |         |         |
12+10      0.8851     1.72  |     Q   |        V|         |         |
12+15      0.8980     1.88  |      Q  |        V|         |         |
12+20      0.9118     2.00  |       Q |        V|         |         |
12+25      0.9261     2.08  |       Q |         V         |         |
12+30      0.9408     2.13  |       Q |         V         |         |
12+35      0.9558     2.18  |       Q |         V         |         |
12+40      0.9712     2.24  |       Q |          |V       |         |
12+45      0.9871     2.30  |        Q|          |V       |         |
12+50      1.0033     2.36  |        Q|          |V       |         |
12+55      1.0198     2.40  |        Q|          | V      |         |
13+ 0      1.0366     2.44  |        Q|          | V      |         |
13+ 5      1.0538     2.49  |        Q|          | V      |         |
13+10      1.0716     2.58  |         Q         |  V      |         |
13+15      1.0903     2.71  |         Q         |  V      |         |
13+20      1.1096     2.81  |         |Q        |   V     |         |
13+25      1.1293     2.86  |         |Q        |   V     |         |
13+30      1.1492     2.90  |         |Q        |   V     |         |
13+35      1.1691     2.88  |         |Q        |    V    |         |
13+40      1.1881     2.76  |         |Q        |    V    |         |
13+45      1.2055     2.53  |         Q         |     V   |         |
13+50      1.2218     2.36  |        Q|         |     V   |         |
13+55      1.2375     2.28  |        Q|         |     V   |         |
14+ 0      1.2528     2.23  |       Q |         |      V  |         |
14+ 5      1.2680     2.21  |       Q |         |      V  |         |
14+10      1.2834     2.24  |       Q |         |      V  |         |
14+15      1.2993     2.30  |        Q|         |       V |         |
14+20      1.3155     2.35  |        Q|         |       V |         |
14+25      1.3317     2.36  |        Q|         |       V |         |
14+30      1.3479     2.35  |        Q|         |        V|         |
14+35      1.3640     2.34  |        Q|         |        V|         |
14+40      1.3800     2.33  |        Q|         |        V|         |
14+45      1.3960     2.33  |        Q|         |         V         |
14+50      1.4120     2.32  |        Q|         |         V         |
14+55      1.4279     2.31  |        Q|         |         |V        |
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15+ 0       1.4436      2.28  |         Q|          |          |V         |
15+ 5       1.4592      2.26  |         Q|          |          |V         |
15+10       1.4746      2.24  |        Q |          |          | V        |
15+15       1.4898      2.21  |        Q |          |          | V        |
15+20       1.5048      2.18  |        Q |          |          | V        |
15+25       1.5196      2.16  |        Q |          |          |  V       |
15+30       1.5343      2.13  |        Q |          |          |  V       |
15+35       1.5487      2.09  |        Q |          |          |  V       |
15+40       1.5626      2.03  |        Q |          |          |  V       |
15+45       1.5759      1.93  |       Q  |          |          |   V      |
15+50       1.5887      1.86  |       Q  |          |          |   V      |
15+55       1.6012      1.82  |       Q  |          |          |   V      |
16+ 0       1.6136      1.79  |       Q  |          |          |    V     |
16+ 5       1.6254      1.72  |      Q   |          |          |    V     |
16+10       1.6358      1.50  |      Q   |          |          |    V     |
16+15       1.6438      1.16  |    Q     |          |          |    V     |
16+20       1.6500      0.90  |  Q       |          |          |    V     |
16+25       1.6552      0.76  |  Q       |          |          |    V     |
16+30       1.6599      0.68  | Q        |          |          |     V    |
16+35       1.6642      0.61  | Q        |          |          |     V    |
16+40       1.6680      0.55  | Q        |          |          |     V    |
16+45       1.6713      0.49  |Q         |          |          |     V    |
16+50       1.6744      0.44  |Q         |          |          |     V    |
16+55       1.6772      0.41  |Q         |          |          |     V    |
17+ 0       1.6798      0.38  |Q         |          |          |     V    |
17+ 5       1.6824      0.37  |Q         |          |          |     V    |
17+10       1.6849      0.38  |Q         |          |          |     V    |
17+15       1.6877      0.40  |Q         |          |          |     V    |
17+20       1.6907      0.43  |Q         |          |          |     V    |
17+25       1.6936      0.43  |Q         |          |          |     V    |
17+30       1.6966      0.43  |Q         |          |          |     V    |
17+35       1.6996      0.44  |Q         |          |          |     V    |
17+40       1.7026      0.44  |Q         |          |          |     V    |
17+45       1.7056      0.43  |Q         |          |          |      V   |
17+50       1.7086      0.43  |Q         |          |          |      V   |
17+55       1.7114      0.42  |Q         |          |          |      V   |
18+ 0       1.7142      0.40  |Q         |          |          |      V   |
18+ 5       1.7168      0.38  |Q         |          |          |      V   |
18+10       1.7194      0.37  |Q         |          |          |      V   |
18+15       1.7219      0.37  |Q         |          |          |      V   |
18+20       1.7244      0.37  |Q         |          |          |      V   |
18+25       1.7270      0.37  |Q         |          |          |      V   |
18+30       1.7295      0.36  |Q         |          |          |      V   |
18+35       1.7319      0.36  |Q         |          |          |      V   |
18+40       1.7343      0.35  |Q         |          |          |      V   |
18+45       1.7365      0.32  |Q         |          |          |      V   |
18+50       1.7386      0.30  |Q         |          |          |      V   |
18+55       1.7405      0.28  |Q         |          |          |      V   |
19+ 0       1.7423      0.25  |Q         |          |          |      V   |
19+ 5       1.7439      0.23  Q          |          |          |      V   |
19+10       1.7455      0.23  Q          |          |          |      V   |
19+15       1.7472      0.25  Q          |          |          |      V   |
19+20       1.7490      0.26  |Q         |          |          |      V   |
19+25       1.7510      0.28  |Q         |          |          |       V  |
19+30       1.7530      0.30  |Q         |          |          |       V  |
19+35       1.7552      0.32  |Q         |          |          |       V  |
19+40       1.7574      0.31  |Q         |          |          |       V  |
19+45       1.7594      0.30  |Q         |          |          |       V  |
19+50       1.7614      0.28  |Q         |          |          |       V  |
19+55       1.7632      0.26  |Q         |          |          |       V  |
20+ 0       1.7648      0.24  Q          |          |          |       V  |
20+ 5       1.7663      0.22  Q          |          |          |       V  |
20+10       1.7678      0.22  Q          |          |          |       V  |
20+15       1.7695      0.24  Q          |          |          |       V  |
20+20       1.7712      0.25  |Q         |          |          |       V  |
20+25       1.7730      0.26  |Q         |          |          |       V  |
20+30       1.7748      0.26  |Q         |          |          |       V  |
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  20+35      1.7766     0.26  |Q       |         |         |       V |
  20+40      1.7784     0.26  |Q       |         |         |       V |
  20+45      1.7802     0.26  |Q       |         |         |       V |
  20+50      1.7820     0.26  |Q       |         |         |       V |
  20+55      1.7837     0.25  Q        |         |         |       V |
  21+ 0      1.7853     0.23  Q        |         |         |       V |
  21+ 5      1.7868     0.21  Q        |         |         |       V |
  21+10      1.7883     0.22  Q        |         |         |       V |
  21+15      1.7899     0.24  Q        |         |         |       V |
  21+20      1.7916     0.24  Q        |         |         |       V |
  21+25      1.7932     0.24  Q        |         |         |       V |
  21+30      1.7947     0.22  Q        |         |         |       V |
  21+35      1.7962     0.21  Q        |         |         |        V|
  21+40      1.7976     0.21  Q        |         |         |        V|
  21+45      1.7992     0.23  Q        |         |         |        V|
  21+50      1.8009     0.24  Q        |         |         |        V|
  21+55      1.8025     0.24  Q        |         |         |        V|
  22+ 0      1.8040     0.22  Q        |         |         |        V|
  22+ 5      1.8054     0.21  Q        |         |         |        V|
  22+10      1.8069     0.21  Q        |         |         |        V|
  22+15      1.8085     0.23  Q        |         |         |        V|
  22+20      1.8101     0.24  Q        |         |         |        V|
  22+25      1.8117     0.23  Q        |         |         |        V|
  22+30      1.8132     0.22  Q        |         |         |        V|
  22+35      1.8146     0.20  Q        |         |         |        V|
  22+40      1.8159     0.19  Q        |         |         |        V|
  22+45      1.8173     0.19  Q        |         |         |        V|
  22+50      1.8186     0.19  Q        |         |         |        V|
  22+55      1.8199     0.19  Q        |         |         |        V|
  23+ 0      1.8211     0.19  Q        |         |         |        V|
  23+ 5      1.8224     0.18  Q        |         |         |        V|
  23+10      1.8236     0.18  Q        |         |         |        V|
  23+15      1.8249     0.18  Q        |         |         |        V|
  23+20      1.8262     0.18  Q        |         |         |        V|
  23+25      1.8274     0.18  Q        |         |         |        V|
  23+30      1.8286     0.18  Q        |         |         |        V|
  23+35      1.8299     0.18  Q        |         |         |        V|
  23+40      1.8311     0.18  Q        |         |         |        V|
  23+45      1.8323     0.18  Q        |         |         |        V|
  23+50      1.8336     0.18  Q        |         |         |        V|
  23+55      1.8348     0.18  Q        |         |         |        V|
  24+ 0      1.8360     0.18  Q        |         |         |        V|
  24+ 5      1.8372     0.17  Q        |         |         |        V|
  24+10      1.8382     0.14  Q        |         |         |        V|
  24+15      1.8389     0.10  Q        |         |         |        V|
  24+20      1.8394     0.07  Q        |         |         |        V|
  24+25      1.8397     0.05  Q        |         |         |        V|
  24+30      1.8400     0.04  Q        |         |         |        V|
  24+35      1.8402     0.03  Q        |         |         |        V|
  24+40      1.8404     0.03  Q        |         |         |        V|
  24+45      1.8405     0.02  Q        |         |         |        V|
  24+50      1.8406     0.02  Q        |         |         |        V|
  24+55      1.8407     0.01  Q        |         |         |        V|
  25+ 0      1.8408     0.01  Q        |         |         |        V|
  25+ 5      1.8409     0.01  Q        |         |         |        V|
  25+10      1.8409     0.01  Q        |         |         |        V|
  25+15      1.8410     0.01  Q        |         |         |        V|
  25+20      1.8410     0.01  Q        |         |         |        V|
  25+25      1.8411     0.00  Q        |         |         |        V|
  25+30      1.8411     0.00  Q        |         |         |        V|
  25+35      1.8411     0.00  Q        |         |         |        V|
  25+40      1.8411     0.00  Q        |         |         |        V|
  25+45      1.8411     0.00  Q        |         |         |         V
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRH242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN H- PROPOSED UNIT HYDROGRAPH
2YR-24HR STORM

Drainage Area = 81.84(Ac.) = 0.128 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 81.84(Ac.) = 0.128 Sq. Mi.
Length along longest watercourse = 3201.00(Ft.)
Length along longest watercourse measured to centroid = 2135.00(Ft.)
Length along longest watercourse = 0.606 Mi.
Length along longest watercourse measured to centroid = 0.404 Mi.
Difference in elevation = 86.00(Ft.)
Slope along watercourse = 141.8557 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.082 Hr.
Lag time = 4.94 Min.
25% of lag time = 1.23 Min.
40% of lag time = 1.98 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	2.70	220.97

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	7.00	572.88

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
81.840	62.80	0.826

Total Area Entered = 81.84(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      62.8  42.8      0.643     0.826        0.165       1.000      0.165
                                                          Sum (F) =   0.165
      Area averaged mean soil loss (F) (In/Hr) =  0.165
      Minimum soil loss rate ((In/Hr)) =  0.082
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.239
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        101.249         19.584             16.153
          2   0.167        202.497         48.492             39.996
          3   0.250        303.746         15.449             12.742
          4   0.333        404.995          6.997              5.771
          5   0.417        506.243          3.925              3.238
          6   0.500        607.492          2.538              2.093
          7   0.583        708.740          1.561              1.287
          8   0.667        809.989          1.455              1.200
                                   Sum = 100.000   Sum=       82.479
    ------------------------------------------------------------------------

     The following loss rate calculations reflect use of the minimum calculated loss
     rate subtracted from the Storm Rain to produce the maximum Effective Rain value

      Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
           (Hr.)  Percent   (In/Hr)          Max   |   Low         (In/Hr)
       1   0.08     0.07      0.022       (  0.292)       0.005        0.016
       2   0.17     0.07      0.022       (  0.291)       0.005        0.016
       3   0.25     0.07      0.022       (  0.290)       0.005        0.016
       4   0.33     0.10      0.032       (  0.289)       0.008        0.025
       5   0.42     0.10      0.032       (  0.288)       0.008        0.025
       6   0.50     0.10      0.032       (  0.287)       0.008        0.025
       7   0.58     0.10      0.032       (  0.286)       0.008        0.025
       8   0.67     0.10      0.032       (  0.284)       0.008        0.025
       9   0.75     0.10      0.032       (  0.283)       0.008        0.025
      10   0.83     0.13      0.043       (  0.282)       0.010        0.033
      11   0.92     0.13      0.043       (  0.281)       0.010        0.033
      12   1.00     0.13      0.043       (  0.280)       0.010        0.033
      13   1.08     0.10      0.032       (  0.279)       0.008        0.025
      14   1.17     0.10      0.032       (  0.278)       0.008        0.025
      15   1.25     0.10      0.032       (  0.277)       0.008        0.025
      16   1.33     0.10      0.032       (  0.276)       0.008        0.025
      17   1.42     0.10      0.032       (  0.274)       0.008        0.025
      18   1.50     0.10      0.032       (  0.273)       0.008        0.025
      19   1.58     0.10      0.032       (  0.272)       0.008        0.025
      20   1.67     0.10      0.032       (  0.271)       0.008        0.025
      21   1.75     0.10      0.032       (  0.270)       0.008        0.025
      22   1.83     0.13      0.043       (  0.269)       0.010        0.033
      23   1.92     0.13      0.043       (  0.268)       0.010        0.033
      24   2.00     0.13      0.043       (  0.267)       0.010        0.033
      25   2.08     0.13      0.043       (  0.266)       0.010        0.033
      26   2.17     0.13      0.043       (  0.265)       0.010        0.033
      27   2.25     0.13      0.043       (  0.264)       0.010        0.033
      28   2.33     0.13      0.043       (  0.263)       0.010        0.033
      29   2.42     0.13      0.043       (  0.261)       0.010        0.033
      30   2.50     0.13      0.043       (  0.260)       0.010        0.033
      31   2.58     0.17      0.054       (  0.259)       0.013        0.041
      32   2.67     0.17      0.054       (  0.258)       0.013        0.041
      33   2.75     0.17      0.054       (  0.257)       0.013        0.041
      34   2.83     0.17      0.054       (  0.256)       0.013        0.041
```

35	2.92	0.17	0.054	(0.255)	0.013	0.041
36	3.00	0.17	0.054	(0.254)	0.013	0.041
37	3.08	0.17	0.054	(0.253)	0.013	0.041
38	3.17	0.17	0.054	(0.252)	0.013	0.041
39	3.25	0.17	0.054	(0.251)	0.013	0.041
40	3.33	0.17	0.054	(0.250)	0.013	0.041
41	3.42	0.17	0.054	(0.249)	0.013	0.041
42	3.50	0.17	0.054	(0.248)	0.013	0.041
43	3.58	0.17	0.054	(0.247)	0.013	0.041
44	3.67	0.17	0.054	(0.246)	0.013	0.041
45	3.75	0.17	0.054	(0.245)	0.013	0.041
46	3.83	0.20	0.065	(0.244)	0.015	0.049
47	3.92	0.20	0.065	(0.243)	0.015	0.049
48	4.00	0.20	0.065	(0.242)	0.015	0.049
49	4.08	0.20	0.065	(0.241)	0.015	0.049
50	4.17	0.20	0.065	(0.240)	0.015	0.049
51	4.25	0.20	0.065	(0.239)	0.015	0.049
52	4.33	0.23	0.076	(0.237)	0.018	0.058
53	4.42	0.23	0.076	(0.236)	0.018	0.058
54	4.50	0.23	0.076	(0.235)	0.018	0.058
55	4.58	0.23	0.076	(0.234)	0.018	0.058
56	4.67	0.23	0.076	(0.233)	0.018	0.058
57	4.75	0.23	0.076	(0.232)	0.018	0.058
58	4.83	0.27	0.086	(0.231)	0.021	0.066
59	4.92	0.27	0.086	(0.230)	0.021	0.066
60	5.00	0.27	0.086	(0.229)	0.021	0.066
61	5.08	0.20	0.065	(0.228)	0.015	0.049
62	5.17	0.20	0.065	(0.227)	0.015	0.049
63	5.25	0.20	0.065	(0.226)	0.015	0.049
64	5.33	0.23	0.076	(0.225)	0.018	0.058
65	5.42	0.23	0.076	(0.224)	0.018	0.058
66	5.50	0.23	0.076	(0.223)	0.018	0.058
67	5.58	0.27	0.086	(0.223)	0.021	0.066
68	5.67	0.27	0.086	(0.222)	0.021	0.066
69	5.75	0.27	0.086	(0.221)	0.021	0.066
70	5.83	0.27	0.086	(0.220)	0.021	0.066
71	5.92	0.27	0.086	(0.219)	0.021	0.066
72	6.00	0.27	0.086	(0.218)	0.021	0.066
73	6.08	0.30	0.097	(0.217)	0.023	0.074
74	6.17	0.30	0.097	(0.216)	0.023	0.074
75	6.25	0.30	0.097	(0.215)	0.023	0.074
76	6.33	0.30	0.097	(0.214)	0.023	0.074
77	6.42	0.30	0.097	(0.213)	0.023	0.074
78	6.50	0.30	0.097	(0.212)	0.023	0.074
79	6.58	0.33	0.108	(0.211)	0.026	0.082
80	6.67	0.33	0.108	(0.210)	0.026	0.082
81	6.75	0.33	0.108	(0.209)	0.026	0.082
82	6.83	0.33	0.108	(0.208)	0.026	0.082
83	6.92	0.33	0.108	(0.207)	0.026	0.082
84	7.00	0.33	0.108	(0.206)	0.026	0.082
85	7.08	0.33	0.108	(0.205)	0.026	0.082
86	7.17	0.33	0.108	(0.204)	0.026	0.082
87	7.25	0.33	0.108	(0.203)	0.026	0.082
88	7.33	0.37	0.119	(0.202)	0.028	0.090
89	7.42	0.37	0.119	(0.202)	0.028	0.090
90	7.50	0.37	0.119	(0.201)	0.028	0.090
91	7.58	0.40	0.130	(0.200)	0.031	0.099
92	7.67	0.40	0.130	(0.199)	0.031	0.099
93	7.75	0.40	0.130	(0.198)	0.031	0.099
94	7.83	0.43	0.140	(0.197)	0.034	0.107
95	7.92	0.43	0.140	(0.196)	0.034	0.107
96	8.00	0.43	0.140	(0.195)	0.034	0.107
97	8.08	0.50	0.162	(0.194)	0.039	0.123
98	8.17	0.50	0.162	(0.193)	0.039	0.123
99	8.25	0.50	0.162	(0.192)	0.039	0.123
100	8.33	0.50	0.162	(0.192)	0.039	0.123
101	8.42	0.50	0.162	(0.191)	0.039	0.123

102	8.50	0.50	0.162	(0.190)	0.039	0.123
103	8.58	0.53	0.173	(0.189)	0.041	0.131
104	8.67	0.53	0.173	(0.188)	0.041	0.131
105	8.75	0.53	0.173	(0.187)	0.041	0.131
106	8.83	0.57	0.184	(0.186)	0.044	0.140
107	8.92	0.57	0.184	(0.185)	0.044	0.140
108	9.00	0.57	0.184	(0.184)	0.044	0.140
109	9.08	0.63	0.205	(0.184)	0.049	0.156
110	9.17	0.63	0.205	(0.183)	0.049	0.156
111	9.25	0.63	0.205	(0.182)	0.049	0.156
112	9.33	0.67	0.216	(0.181)	0.052	0.164
113	9.42	0.67	0.216	(0.180)	0.052	0.164
114	9.50	0.67	0.216	(0.179)	0.052	0.164
115	9.58	0.70	0.227	(0.178)	0.054	0.173
116	9.67	0.70	0.227	(0.178)	0.054	0.173
117	9.75	0.70	0.227	(0.177)	0.054	0.173
118	9.83	0.73	0.238	(0.176)	0.057	0.181
119	9.92	0.73	0.238	(0.175)	0.057	0.181
120	10.00	0.73	0.238	(0.174)	0.057	0.181
121	10.08	0.50	0.162	(0.173)	0.039	0.123
122	10.17	0.50	0.162	(0.172)	0.039	0.123
123	10.25	0.50	0.162	(0.172)	0.039	0.123
124	10.33	0.50	0.162	(0.171)	0.039	0.123
125	10.42	0.50	0.162	(0.170)	0.039	0.123
126	10.50	0.50	0.162	(0.169)	0.039	0.123
127	10.58	0.67	0.216	(0.168)	0.052	0.164
128	10.67	0.67	0.216	(0.167)	0.052	0.164
129	10.75	0.67	0.216	(0.167)	0.052	0.164
130	10.83	0.67	0.216	(0.166)	0.052	0.164
131	10.92	0.67	0.216	(0.165)	0.052	0.164
132	11.00	0.67	0.216	(0.164)	0.052	0.164
133	11.08	0.63	0.205	(0.163)	0.049	0.156
134	11.17	0.63	0.205	(0.163)	0.049	0.156
135	11.25	0.63	0.205	(0.162)	0.049	0.156
136	11.33	0.63	0.205	(0.161)	0.049	0.156
137	11.42	0.63	0.205	(0.160)	0.049	0.156
138	11.50	0.63	0.205	(0.159)	0.049	0.156
139	11.58	0.57	0.184	(0.159)	0.044	0.140
140	11.67	0.57	0.184	(0.158)	0.044	0.140
141	11.75	0.57	0.184	(0.157)	0.044	0.140
142	11.83	0.60	0.194	(0.156)	0.046	0.148
143	11.92	0.60	0.194	(0.155)	0.046	0.148
144	12.00	0.60	0.194	(0.155)	0.046	0.148
145	12.08	0.83	0.270	(0.154)	0.065	0.205
146	12.17	0.83	0.270	(0.153)	0.065	0.205
147	12.25	0.83	0.270	(0.152)	0.065	0.205
148	12.33	0.87	0.281	(0.152)	0.067	0.214
149	12.42	0.87	0.281	(0.151)	0.067	0.214
150	12.50	0.87	0.281	(0.150)	0.067	0.214
151	12.58	0.93	0.302	(0.149)	0.072	0.230
152	12.67	0.93	0.302	(0.149)	0.072	0.230
153	12.75	0.93	0.302	(0.148)	0.072	0.230
154	12.83	0.97	0.313	(0.147)	0.075	0.238
155	12.92	0.97	0.313	(0.146)	0.075	0.238
156	13.00	0.97	0.313	(0.146)	0.075	0.238
157	13.08	1.13	0.367	(0.145)	0.088	0.279
158	13.17	1.13	0.367	(0.144)	0.088	0.279
159	13.25	1.13	0.367	(0.143)	0.088	0.279
160	13.33	1.13	0.367	(0.143)	0.088	0.279
161	13.42	1.13	0.367	(0.142)	0.088	0.279
162	13.50	1.13	0.367	(0.141)	0.088	0.279
163	13.58	0.77	0.248	(0.141)	0.059	0.189
164	13.67	0.77	0.248	(0.140)	0.059	0.189
165	13.75	0.77	0.248	(0.139)	0.059	0.189
166	13.83	0.77	0.248	(0.138)	0.059	0.189
167	13.92	0.77	0.248	(0.138)	0.059	0.189
168	14.00	0.77	0.248	(0.137)	0.059	0.189

169	14.08	0.90	0.292	(0.136)	0.070	0.222
170	14.17	0.90	0.292	(0.136)	0.070	0.222
171	14.25	0.90	0.292	(0.135)	0.070	0.222
172	14.33	0.87	0.281	(0.134)	0.067	0.214
173	14.42	0.87	0.281	(0.133)	0.067	0.214
174	14.50	0.87	0.281	(0.133)	0.067	0.214
175	14.58	0.87	0.281	(0.132)	0.067	0.214
176	14.67	0.87	0.281	(0.131)	0.067	0.214
177	14.75	0.87	0.281	(0.131)	0.067	0.214
178	14.83	0.83	0.270	(0.130)	0.065	0.205
179	14.92	0.83	0.270	(0.129)	0.065	0.205
180	15.00	0.83	0.270	(0.129)	0.065	0.205
181	15.08	0.80	0.259	(0.128)	0.062	0.197
182	15.17	0.80	0.259	(0.127)	0.062	0.197
183	15.25	0.80	0.259	(0.127)	0.062	0.197
184	15.33	0.77	0.248	(0.126)	0.059	0.189
185	15.42	0.77	0.248	(0.126)	0.059	0.189
186	15.50	0.77	0.248	(0.125)	0.059	0.189
187	15.58	0.63	0.205	(0.124)	0.049	0.156
188	15.67	0.63	0.205	(0.124)	0.049	0.156
189	15.75	0.63	0.205	(0.123)	0.049	0.156
190	15.83	0.63	0.205	(0.122)	0.049	0.156
191	15.92	0.63	0.205	(0.122)	0.049	0.156
192	16.00	0.63	0.205	(0.121)	0.049	0.156
193	16.08	0.13	0.043	(0.120)	0.010	0.033
194	16.17	0.13	0.043	(0.120)	0.010	0.033
195	16.25	0.13	0.043	(0.119)	0.010	0.033
196	16.33	0.13	0.043	(0.119)	0.010	0.033
197	16.42	0.13	0.043	(0.118)	0.010	0.033
198	16.50	0.13	0.043	(0.117)	0.010	0.033
199	16.58	0.10	0.032	(0.117)	0.008	0.025
200	16.67	0.10	0.032	(0.116)	0.008	0.025
201	16.75	0.10	0.032	(0.116)	0.008	0.025
202	16.83	0.10	0.032	(0.115)	0.008	0.025
203	16.92	0.10	0.032	(0.114)	0.008	0.025
204	17.00	0.10	0.032	(0.114)	0.008	0.025
205	17.08	0.17	0.054	(0.113)	0.013	0.041
206	17.17	0.17	0.054	(0.113)	0.013	0.041
207	17.25	0.17	0.054	(0.112)	0.013	0.041
208	17.33	0.17	0.054	(0.112)	0.013	0.041
209	17.42	0.17	0.054	(0.111)	0.013	0.041
210	17.50	0.17	0.054	(0.110)	0.013	0.041
211	17.58	0.17	0.054	(0.110)	0.013	0.041
212	17.67	0.17	0.054	(0.109)	0.013	0.041
213	17.75	0.17	0.054	(0.109)	0.013	0.041
214	17.83	0.13	0.043	(0.108)	0.010	0.033
215	17.92	0.13	0.043	(0.108)	0.010	0.033
216	18.00	0.13	0.043	(0.107)	0.010	0.033
217	18.08	0.13	0.043	(0.107)	0.010	0.033
218	18.17	0.13	0.043	(0.106)	0.010	0.033
219	18.25	0.13	0.043	(0.106)	0.010	0.033
220	18.33	0.13	0.043	(0.105)	0.010	0.033
221	18.42	0.13	0.043	(0.105)	0.010	0.033
222	18.50	0.13	0.043	(0.104)	0.010	0.033
223	18.58	0.10	0.032	(0.104)	0.008	0.025
224	18.67	0.10	0.032	(0.103)	0.008	0.025
225	18.75	0.10	0.032	(0.103)	0.008	0.025
226	18.83	0.07	0.022	(0.102)	0.005	0.016
227	18.92	0.07	0.022	(0.102)	0.005	0.016
228	19.00	0.07	0.022	(0.101)	0.005	0.016
229	19.08	0.10	0.032	(0.101)	0.008	0.025
230	19.17	0.10	0.032	(0.100)	0.008	0.025
231	19.25	0.10	0.032	(0.100)	0.008	0.025
232	19.33	0.13	0.043	(0.099)	0.010	0.033
233	19.42	0.13	0.043	(0.099)	0.010	0.033
234	19.50	0.13	0.043	(0.098)	0.010	0.033
235	19.58	0.10	0.032	(0.098)	0.008	0.025

236	19.67	0.10	0.032	(0.097)	0.008	0.025
237	19.75	0.10	0.032	(0.097)	0.008	0.025
238	19.83	0.07	0.022	(0.097)	0.005	0.016
239	19.92	0.07	0.022	(0.096)	0.005	0.016
240	20.00	0.07	0.022	(0.096)	0.005	0.016
241	20.08	0.10	0.032	(0.095)	0.008	0.025
242	20.17	0.10	0.032	(0.095)	0.008	0.025
243	20.25	0.10	0.032	(0.094)	0.008	0.025
244	20.33	0.10	0.032	(0.094)	0.008	0.025
245	20.42	0.10	0.032	(0.094)	0.008	0.025
246	20.50	0.10	0.032	(0.093)	0.008	0.025
247	20.58	0.10	0.032	(0.093)	0.008	0.025
248	20.67	0.10	0.032	(0.092)	0.008	0.025
249	20.75	0.10	0.032	(0.092)	0.008	0.025
250	20.83	0.07	0.022	(0.092)	0.005	0.016
251	20.92	0.07	0.022	(0.091)	0.005	0.016
252	21.00	0.07	0.022	(0.091)	0.005	0.016
253	21.08	0.10	0.032	(0.091)	0.008	0.025
254	21.17	0.10	0.032	(0.090)	0.008	0.025
255	21.25	0.10	0.032	(0.090)	0.008	0.025
256	21.33	0.07	0.022	(0.090)	0.005	0.016
257	21.42	0.07	0.022	(0.089)	0.005	0.016
258	21.50	0.07	0.022	(0.089)	0.005	0.016
259	21.58	0.10	0.032	(0.089)	0.008	0.025
260	21.67	0.10	0.032	(0.088)	0.008	0.025
261	21.75	0.10	0.032	(0.088)	0.008	0.025
262	21.83	0.07	0.022	(0.088)	0.005	0.016
263	21.92	0.07	0.022	(0.087)	0.005	0.016
264	22.00	0.07	0.022	(0.087)	0.005	0.016
265	22.08	0.10	0.032	(0.087)	0.008	0.025
266	22.17	0.10	0.032	(0.086)	0.008	0.025
267	22.25	0.10	0.032	(0.086)	0.008	0.025
268	22.33	0.07	0.022	(0.086)	0.005	0.016
269	22.42	0.07	0.022	(0.086)	0.005	0.016
270	22.50	0.07	0.022	(0.085)	0.005	0.016
271	22.58	0.07	0.022	(0.085)	0.005	0.016
272	22.67	0.07	0.022	(0.085)	0.005	0.016
273	22.75	0.07	0.022	(0.085)	0.005	0.016
274	22.83	0.07	0.022	(0.084)	0.005	0.016
275	22.92	0.07	0.022	(0.084)	0.005	0.016
276	23.00	0.07	0.022	(0.084)	0.005	0.016
277	23.08	0.07	0.022	(0.084)	0.005	0.016
278	23.17	0.07	0.022	(0.084)	0.005	0.016
279	23.25	0.07	0.022	(0.084)	0.005	0.016
280	23.33	0.07	0.022	(0.083)	0.005	0.016
281	23.42	0.07	0.022	(0.083)	0.005	0.016
282	23.50	0.07	0.022	(0.083)	0.005	0.016
283	23.58	0.07	0.022	(0.083)	0.005	0.016
284	23.67	0.07	0.022	(0.083)	0.005	0.016
285	23.75	0.07	0.022	(0.083)	0.005	0.016
286	23.83	0.07	0.022	(0.083)	0.005	0.016
287	23.92	0.07	0.022	(0.083)	0.005	0.016
288	24.00	0.07	0.022	(0.082)	0.005	0.016

(Loss Rate Not Used)

Sum = 100.0 Sum = 24.6

Flood volume = Effective rainfall 2.05(In)
times area 81.8(Ac.)/[(In)/(Ft.)] = 14.0(Ac.Ft)
Total soil loss = 0.65(In)
Total soil loss = 4.404(Ac.Ft)
Total rainfall = 2.70(In)
Flood volume = 610150.7 Cubic Feet
Total soil loss = 191835.0 Cubic Feet

Peak flow rate of this hydrograph = 22.948(CFS)

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24 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0018	0.27	Q				
0+10	0.0082	0.92	VQ				
0+15	0.0160	1.13	VQ				
0+20	0.0254	1.36	VQ				
0+25	0.0374	1.74	V Q				
0+30	0.0503	1.88	V Q				
0+35	0.0637	1.95	V Q				
0+40	0.0775	2.00	V Q				
0+45	0.0914	2.01	V Q				
0+50	0.1062	2.16	V Q				
0+55	0.1234	2.50	V Q				
1+ 0	0.1413	2.60	V Q				
1+ 5	0.1586	2.51	V Q				
1+10	0.1739	2.21	V Q				
1+15	0.1885	2.13	V Q				
1+20	0.2029	2.09	V Q				
1+25	0.2171	2.07	V Q				
1+30	0.2313	2.05	V Q				
1+35	0.2454	2.04	V Q				
1+40	0.2594	2.03	V Q				
1+45	0.2734	2.03	V Q				
1+50	0.2883	2.17	V Q				
1+55	0.3055	2.50	V Q				
2+ 0	0.3234	2.60	V Q				
2+ 5	0.3416	2.65	V Q				
2+10	0.3600	2.67	V Q				
2+15	0.3786	2.69	V Q				
2+20	0.3972	2.70	V Q				
2+25	0.4159	2.71	V Q				
2+30	0.4345	2.71	V Q				
2+35	0.4541	2.84	V Q				
2+40	0.4760	3.17	V Q				
2+45	0.4986	3.28	V Q				
2+50	0.5215	3.33	V Q				
2+55	0.5445	3.35	V Q				
3+ 0	0.5677	3.37	V Q				
3+ 5	0.5910	3.38	V Q				
3+10	0.6144	3.39	V Q				
3+15	0.6377	3.39	V Q				
3+20	0.6611	3.39	V Q				
3+25	0.6844	3.39	V Q				
3+30	0.7078	3.39	V Q				
3+35	0.7311	3.39	V Q				
3+40	0.7544	3.39	V Q				
3+45	0.7778	3.39	V Q				
3+50	0.8020	3.52	V Q				
3+55	0.8286	3.85	V Q				
4+ 0	0.8558	3.96	V Q				
4+ 5	0.8834	4.00	V Q				
4+10	0.9111	4.03	V Q				
4+15	0.9390	4.05	V Q				
4+20	0.9679	4.19	V Q				
4+25	0.9991	4.53	V Q				
4+30	1.0310	4.63	V Q				
4+35	1.0632	4.68	V Q				
4+40	1.0956	4.71	V Q				
4+45	1.1282	4.73	V Q				
4+50	1.1617	4.87	V Q				
4+55	1.1976	5.21	V Q				
5+ 0	1.2342	5.31	V Q				

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 5+ 5       1.2692      5.09  |  V  Q   |          |          |          |
 5+10       1.3000      4.46  |  V Q    |          |          |          |
 5+15       1.3294      4.27  |  V Q    |          |          |          |
 5+20       1.3591      4.32  |  V Q    |          |          |          |
 5+25       1.3909      4.60  |  V  Q   |          |          |          |
 5+30       1.4230      4.67  |   V Q   |          |          |          |
 5+35       1.4563      4.83  |   V Q   |          |          |          |
 5+40       1.4919      5.17  |   V Q   |          |          |          |
 5+45       1.5284      5.29  |   V  Q  |          |          |          |
 5+50       1.5652      5.35  |   V  Q  |          |          |          |
 5+55       1.6023      5.39  |   V  Q  |          |          |          |
 6+ 0       1.6395      5.40  |   V  Q  |          |          |          |
 6+ 5       1.6777      5.55  |   V  Q  |          |          |          |
 6+10       1.7183      5.89  |   V  Q  |          |          |          |
 6+15       1.7595      5.99  |    V Q  |          |          |          |
 6+20       1.8011      6.04  |    V  Q |          |          |          |
 6+25       1.8429      6.06  |    V  Q |          |          |          |
 6+30       1.8847      6.08  |    V  Q |          |          |          |
 6+35       1.9276      6.22  |    V  Q |          |          |          |
 6+40       1.9728      6.56  |    V  Q |          |          |          |
 6+45       2.0187      6.67  |    V  Q |          |          |          |
 6+50       2.0650      6.72  |    V  Q |          |          |          |
 6+55       2.1114      6.74  |     V Q |          |          |          |
 7+ 0       2.1580      6.76  |     V  Q|          |          |          |
 7+ 5       2.2046      6.77  |     V  Q|          |          |          |
 7+10       2.2513      6.78  |     V  Q|          |          |          |
 7+15       2.2980      6.78  |     V  Q|          |          |          |
 7+20       2.3456      6.91  |     V  Q|          |          |          |
 7+25       2.3954      7.24  |     V  Q|          |          |          |
 7+30       2.4460      7.35  |     V  Q|          |          |          |
 7+35       2.4979      7.53  |      V  Q          |          |          |
 7+40       2.5521      7.88  |      V  Q          |          |          |
 7+45       2.6072      8.00  |      V  Q          |          |          |
 7+50       2.6637      8.19  |      V  Q          |          |          |
 7+55       2.7226      8.56  |      V  |Q         |          |          |
 8+ 0       2.7824      8.68  |      V  |Q         |          |          |
 8+ 5       2.8444      9.00  |       V | Q        |          |          |
 8+10       2.9112      9.70  |       V | Q        |          |          |
 8+15       2.9796      9.93  |       V |  Q       |          |          |
 8+20       3.0487     10.03  |       V |  Q       |          |          |
 8+25       3.1182     10.09  |       V |  Q       |          |          |
 8+30       3.1879     10.13  |        V|  Q       |          |          |
 8+35       3.2588     10.28  |        V|  Q       |          |          |
 8+40       3.3320     10.63  |        V|   Q      |          |          |
 8+45       3.4059     10.74  |        V|   Q      |          |          |
 8+50       3.4811     10.92  |        V|   Q      |          |          |
 8+55       3.5587     11.27  |         V    Q     |          |          |
 9+ 0       3.6372     11.39  |         V    Q     |          |          |
 9+ 5       3.7179     11.72  |         V    Q     |          |          |
 9+10       3.8033     12.41  |         V     Q    |          |          |
 9+15       3.8904     12.64  |         |V    Q    |          |          |
 9+20       3.9790     12.88  |         |V     Q   |          |          |
 9+25       4.0704     13.27  |         |V     Q   |          |          |
 9+30       4.1627     13.41  |         |V     Q   |          |          |
 9+35       4.2565     13.61  |         | V     Q  |          |          |
 9+40       4.3528     13.98  |         | V     Q  |          |          |
 9+45       4.4499     14.10  |         | V     Q  |          |          |
 9+50       4.5483     14.30  |         | V      Q |          |          |
 9+55       4.6493     14.66  |         |  V     Q |          |          |
10+ 0       4.7511     14.78  |         |  V     Q |          |          |
10+ 5       4.8469     13.91  |         |  V    Q  |          |          |
10+10       4.9271     11.65  |         |   VQ     |          |          |
10+15       5.0024     10.93  |         |   Q      |          |          |
10+20       5.0755     10.61  |         |   Q      |          |          |
10+25       5.1473     10.43  |         |  QV      |          |          |
10+30       5.2184     10.31  |         |  QV      |          |          |
10+35       5.2934     10.90  |         |   QV     |          |          |
```

```
10+40       5.3794     12.48  |          |    VQ    |          |          |
10+45       5.4689     13.00  |          |    V Q   |          |          |
10+50       5.5601     13.24  |          |    V Q   |          |          |
10+55       5.6522     13.37  |          |     VQ   |          |          |
11+ 0       5.7448     13.46  |          |     VQ   |          |          |
11+ 5       5.8370     13.38  |          |     VQ   |          |          |
11+10       5.9272     13.10  |          |     VQ   |          |          |
11+15       6.0166     12.99  |          |      Q   |          |          |
11+20       6.1058     12.95  |          |      Q   |          |          |
11+25       6.1948     12.92  |          |      Q   |          |          |
11+30       6.2836     12.90  |          |      Q   |          |          |
11+35       6.3706     12.63  |          |     Q V  |          |          |
11+40       6.4529     11.96  |          |    Q  V  |          |          |
11+45       6.5338     11.75  |          |    Q  V  |          |          |
11+50       6.6150     11.79  |          |    Q  V  |          |          |
11+55       6.6981     12.06  |          |     Q  V |          |          |
12+ 0       6.7816     12.13  |          |     Q  V |          |          |
12+ 5       6.8718     13.09  |          |      Q V |          |          |
12+10       6.9778     15.40  |          |        VQ          |          |
12+15       7.0890     16.15  |          |         VQ         |          |
12+20       7.2035     16.62  |          |         V Q        |          |
12+25       7.3216     17.15  |          |         V Q        |          |
12+30       7.4412     17.37  |          |          V Q       |          |
12+35       7.5635     17.76  |          |          V Q       |          |
12+40       7.6910     18.51  |          |          V  Q      |          |
12+45       7.8201     18.74  |          |          | V Q     |          |
12+50       7.9508     18.98  |          |          | V  Q    |          |
12+55       8.0842     19.37  |          |          |  V Q    |          |
13+ 0       8.2185     19.51  |          |          |  V  Q   |          |
13+ 5       8.3579     20.24  |          |          |  V  Q   |          |
13+10       8.5089     21.93  |          |          |   V    Q|          |
13+15       8.6637     22.47  |          |          |   V    Q|          |
13+20       8.8202     22.72  |          |          |    V    Q          |
13+25       8.9776     22.86  |          |          |    V    Q          |
13+30       9.1357     22.95  |          |          |     V   Q          |
13+35       9.2840     21.54  |          |          |     V Q |          |
13+40       9.4078     17.97  |          |          |  Q  V   |          |
13+45       9.5236     16.82  |          |          | Q    V  |          |
13+50       9.6359     16.30  |          |          |Q     V  |          |
13+55       9.7461     16.01  |          |          |Q     V  |          |
14+ 0       9.8551     15.82  |          |          |Q      V |          |
14+ 5       9.9669     16.23  |          |          |Q      V |          |
14+10      10.0870     17.44  |          |          |  Q    V |          |
14+15      10.2100     17.86  |          |          |  Q     V|          |
14+20      10.3333     17.91  |          |          |  Q     V|          |
14+25      10.4552     17.69  |          |          |  Q     V|          |
14+30      10.5768     17.66  |          |          |  Q      V          |
14+35      10.6984     17.65  |          |          |  Q      V          |
14+40      10.8200     17.66  |          |          |  Q      V          |
14+45      10.9415     17.65  |          |          |  Q      |V         |
14+50      11.0621     17.50  |          |          |  Q      |V         |
14+55      11.1803     17.17  |          |          | Q       |V         |
15+ 0      11.2978     17.06  |          |          | Q       | V        |
15+ 5      11.4141     16.88  |          |          | Q       | V        |
15+10      11.5279     16.52  |          |          | Q       | V        |
15+15      11.6408     16.40  |          |          |Q        |  V       |
15+20      11.7525     16.21  |          |          |Q        |  V       |
15+25      11.8616     15.85  |          |          |Q        |  V       |
15+30      11.9699     15.72  |          |         Q         |   V      |
15+35      12.0742     15.14  |          |         Q         |   V      |
15+40      12.1691     13.78  |          |       Q |         |   V      |
15+45      12.2610     13.35  |          |      Q  |         |    V     |
15+50      12.3516     13.15  |          |      Q  |         |    V     |
15+55      12.4413     13.03  |          |      Q  |         |    V     |
16+ 0      12.5306     12.96  |          |      Q  |         |    V     |
16+ 5      12.6059     10.93  |          |   Q     |         |    V     |
16+10      12.6469      5.96  |      Q   |         |         |     V    |
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16+15      12.6771      4.39  |    Q    |         |         |     V   |
16+20      12.7024      3.68  |   Q     |         |         |     V   |
16+25      12.7250      3.28  |   Q     |         |         |     V   |
16+30      12.7458      3.02  |   Q     |         |         |     V   |
16+35      12.7646      2.73  |  Q      |         |         |     V   |
16+40      12.7801      2.25  |  Q      |         |         |     V   |
16+45      12.7948      2.15  | Q       |         |         |     V   |
16+50      12.8093      2.10  | Q       |         |         |     V   |
16+55      12.8236      2.07  | Q       |         |         |     V   |
17+ 0      12.8377      2.05  | Q       |         |         |     V   |
17+ 5      12.8536      2.31  |  Q      |         |         |     V   |
17+10      12.8740      2.96  |  Q      |         |         |     V   |
17+15      12.8958      3.17  |   Q     |         |         |     V   |
17+20      12.9182      3.26  |   Q     |         |         |     V   |
17+25      12.9411      3.31  |   Q     |         |         |     V   |
17+30      12.9641      3.35  |   Q     |         |         |      V  |
17+35      12.9873      3.37  |   Q     |         |         |      V  |
17+40      13.0107      3.39  |   Q     |         |         |      V  |
17+45      13.0340      3.39  |   Q     |         |         |      V  |
17+50      13.0565      3.26  |   Q     |         |         |      V  |
17+55      13.0766      2.93  |  Q      |         |         |      V  |
18+ 0      13.0961      2.82  |  Q      |         |         |      V  |
18+ 5      13.1152      2.78  |  Q      |         |         |      V  |
18+10      13.1341      2.75  |  Q      |         |         |      V  |
18+15      13.1529      2.73  |  Q      |         |         |      V  |
18+20      13.1717      2.72  |  Q      |         |         |      V  |
18+25      13.1904      2.71  |  Q      |         |         |      V  |
18+30      13.2090      2.71  |  Q      |         |         |      V  |
18+35      13.2268      2.58  |  Q      |         |         |      V  |
18+40      13.2423      2.25  |  Q      |         |         |      V  |
18+45      13.2571      2.15  | Q       |         |         |      V  |
18+50      13.2706      1.97  | Q       |         |         |      V  |
18+55      13.2817      1.61  | Q       |         |         |      V  |
19+ 0      13.2919      1.49  |Q        |         |         |      V  |
19+ 5      13.3027      1.56  | Q       |         |         |      V  |
19+10      13.3155      1.86  | Q       |         |         |       V |
19+15      13.3289      1.94  | Q       |         |         |       V |
19+20      13.3434      2.11  | Q       |         |         |       V |
19+25      13.3603      2.46  |  Q      |         |         |       V |
19+30      13.3781      2.58  |  Q      |         |         |       V |
19+35      13.3954      2.50  |  Q      |         |         |       V |
19+40      13.4106      2.21  | Q       |         |         |       V |
19+45      13.4252      2.13  | Q       |         |         |       V |
19+50      13.4387      1.96  | Q       |         |         |       V |
19+55      13.4498      1.61  | Q       |         |         |       V |
20+ 0      13.4600      1.49  |Q        |         |         |       V |
20+ 5      13.4708      1.56  | Q       |         |         |       V |
20+10      13.4836      1.86  | Q       |         |         |       V |
20+15      13.4969      1.94  | Q       |         |         |       V |
20+20      13.5106      1.98  | Q       |         |         |       V |
20+25      13.5243      2.00  | Q       |         |         |       V |
20+30      13.5382      2.01  | Q       |         |         |       V |
20+35      13.5521      2.02  | Q       |         |         |       V |
20+40      13.5661      2.03  | Q       |         |         |       V |
20+45      13.5802      2.03  | Q       |         |         |       V |
20+50      13.5932      1.90  | Q       |         |         |       V |
20+55      13.6041      1.57  | Q       |         |         |       V |
21+ 0      13.6142      1.47  |Q        |         |         |       V |
21+ 5      13.6249      1.55  | Q       |         |         |       V |
21+10      13.6376      1.86  | Q       |         |         |       V |
21+15      13.6510      1.94  | Q       |         |         |       V |
21+20      13.6637      1.85  | Q       |         |         |        V|
21+25      13.6743      1.53  | Q       |         |         |        V|
21+30      13.6843      1.45  |Q        |         |         |        V|
21+35      13.6949      1.54  | Q       |         |         |        V|
21+40      13.7077      1.86  | Q       |         |         |        V|
21+45      13.7211      1.94  | Q       |         |         |        V|
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   21+50      13.7338      1.85  | Q       |         |         |        V|
   21+55      13.7444      1.53  | Q       |         |         |        V|
   22+ 0      13.7543      1.45  |Q        |         |         |        V|
   22+ 5      13.7649      1.54  | Q       |         |         |        V|
   22+10      13.7777      1.86  | Q       |         |         |        V|
   22+15      13.7911      1.94  | Q       |         |         |        V|
   22+20      13.8038      1.85  | Q       |         |         |        V|
   22+25      13.8144      1.53  | Q       |         |         |        V|
   22+30      13.8244      1.45  |Q        |         |         |        V|
   22+35      13.8341      1.41  |Q        |         |         |        V|
   22+40      13.8437      1.39  |Q        |         |         |        V|
   22+45      13.8531      1.38  |Q        |         |         |        V|
   22+50      13.8625      1.37  |Q        |         |         |        V|
   22+55      13.8719      1.36  |Q        |         |         |        V|
   23+ 0      13.8812      1.36  |Q        |         |         |        V|
   23+ 5      13.8906      1.36  |Q        |         |         |        V|
   23+10      13.8999      1.36  |Q        |         |         |        V|
   23+15      13.9092      1.36  |Q        |         |         |        V|
   23+20      13.9186      1.36  |Q        |         |         |        V|
   23+25      13.9279      1.36  |Q        |         |         |        V|
   23+30      13.9373      1.36  |Q        |         |         |        V|
   23+35      13.9466      1.36  |Q        |         |         |        V|
   23+40      13.9559      1.36  |Q        |         |         |        V|
   23+45      13.9653      1.36  |Q        |         |         |        V|
   23+50      13.9746      1.36  |Q        |         |         |        V|
   23+55      13.9839      1.36  |Q        |         |         |        V|
   24+ 0      13.9933      1.36  |Q        |         |         |        V|
   24+ 5      14.0008      1.09  |Q        |         |         |        V|
   24+10      14.0038      0.43  Q         |         |         |        V|
   24+15      14.0053      0.22  Q         |         |         |        V|
   24+20      14.0062      0.13  Q         |         |         |        V|
   24+25      14.0067      0.08  Q         |         |         |        V|
   24+30      14.0070      0.04  Q         |         |         |        V|
   24+35      14.0071      0.02  Q         |         |         |         V
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRH110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN H- PROPOSED UNIT HYDROGRAPH
10YR-1HR STORM

Drainage Area = 81.84(Ac.) = 0.128 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 81.84(Ac.) = 0.128 Sq. Mi.
Length along longest watercourse = 3201.00(Ft.)
Length along longest watercourse measured to centroid = 2135.00(Ft.)
Length along longest watercourse = 0.606 Mi.
Length along longest watercourse measured to centroid = 0.404 Mi.
Difference in elevation = 86.00(Ft.)
Slope along watercourse = 141.8557 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.082 Hr.
Lag time = 4.94 Min.
25% of lag time = 1.23 Min.
40% of lag time = 1.98 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	0.55	45.01

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	1.30	106.39

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 0.859(In)
Areal adjustment factor = 99.93 %
Adjusted average point rain = 0.858(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
81.840	62.80	0.826

Total Area Entered = 81.84(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
      AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
      62.8  62.8      0.440     0.826        0.113       1.000      0.113
                                                          Sum (F) =   0.113
      Area averaged mean soil loss (F) (In/Hr) =  0.165
      Minimum soil loss rate ((In/Hr)) =  0.082
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.239
      ------------------------------------------------------------------
      Slope of intensity-duration curve for a 1 hour storm =0.5500
      ------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------
          1   0.083        101.249         19.584             16.153
          2   0.167        202.497         48.492             39.996
          3   0.250        303.746         15.449             12.742
          4   0.333        404.995          6.997              5.771
          5   0.417        506.243          3.925              3.238
          6   0.500        607.492          2.538              2.093
          7   0.583        708.740          1.561              1.287
          8   0.667        809.989          1.455              1.200
                                  Sum = 100.000   Sum=      82.479
----------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
   1   0.08     3.30      0.340       (  0.165)       0.081        0.258
   2   0.17     4.20      0.432       (  0.165)       0.103        0.329
   3   0.25     4.40      0.453       (  0.165)       0.108        0.345
   4   0.33     4.80      0.494       (  0.165)       0.118        0.376
   5   0.42     5.20      0.535       (  0.165)       0.128        0.407
   6   0.50     6.20      0.638       (  0.165)       0.153        0.486
   7   0.58     6.80      0.700          0.165    (  0.167)        0.535
   8   0.67     8.80      0.906          0.165    (  0.217)        0.741
   9   0.75    13.90      1.431          0.165    (  0.342)        1.266
  10   0.83    31.40      3.233          0.165    (  0.773)        3.068
  11   0.92     7.20      0.741          0.165    (  0.177)        0.576
  12   1.00     3.80      0.391       (  0.165)       0.094        0.298
            (Loss Rate Not Used)
     Sum =     100.0                                    Sum =     8.7
      Flood volume = Effective rainfall      0.72(In)
       times area      81.8(Ac.)/[(In)/(Ft.)] =       4.9(Ac.Ft)
      Total soil loss =      0.13(In)
      Total soil loss =     0.915(Ac.Ft)
      Total rainfall =      0.86(In)
      Flood volume =      215012.7 Cubic Feet
      Total soil loss =       39857.3 Cubic Feet
      ------------------------------------------------------------------
       Peak flow rate of this hydrograph =     156.222(CFS)
      ------------------------------------------------------------------
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         1 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))
```

```
    ---------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       50.0     100.0     150.0     200.0
  ---------------------------------------------------------------------
    0+ 5       0.0288      4.18  Q         |         |         |         |
    0+10       0.1366     15.66  |V Q      |         |         |         |
    0+15       0.2883     22.03  | V Q     |         |         |         |
    0+20       0.4643     25.55  |  V Q    |         |         |         |
    0+25       0.6624     28.76  |    Q    |         |         |         |
    0+30       0.8864     32.54  |     QV  |         |         |         |
    0+35       1.1453     37.58  |      Q V|         |         |         |
    0+40       1.4525     44.61  |       Q |V        |         |         |
    0+45       1.8842     62.69  |         | Q  V    |         |         |
    0+50       2.6839    116.11  |         |         |V Q      |         |
    0+55       3.7598    156.22  |         |         |         VQ        |
    1+ 0       4.3034     78.93  |         |    Q    |         |   V     |
    1+ 5       4.6057     43.90  |       Q |         |         |      V  |
    1+10       4.7525     21.31  |   Q     |         |         |       V |
    1+15       4.8388     12.53  | Q       |         |         |        V|
    1+20       4.8914      7.64  |Q        |         |         |        V|
    1+25       4.9261      5.05  |Q        |         |         |        V|
    1+30       4.9336      1.08  Q         |         |         |        V|
    1+35       4.9360      0.36  Q         |         |         |         V
  ---------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRH310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN H- PROPOSED UNIT HYDROGRAPH
10YR-3HR STORM

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Length along longest watercourse measured to centroid = 2135.00(Ft.)
Length along longest watercourse = 0.606 Mi.
Length along longest watercourse measured to centroid = 0.404 Mi.
Difference in elevation = 86.00(Ft.)
Slope along watercourse = 141.8557 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.082 Hr.
Lag time = 4.94 Min.
25% of lag time = 1.23 Min.
40% of lag time = 1.98 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	1.10	90.02

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	2.00	163.68

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 1.470(In)
Areal adjustment factor = 99.96 %
Adjusted average point rain = 1.470(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
81.840	62.80	0.826

Total Area Entered = 81.84(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

62.8 62.8 0.440 0.826 0.113 1.000 0.113
Sum (F) = 0.113

Area averaged mean soil loss (F) (In/Hr) = 0.165
Minimum soil loss rate ((In/Hr)) = 0.082
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) = 0.239

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	101.249	19.584	16.153
2	0.167	202.497	48.492	39.996
3	0.250	303.746	15.449	12.742
4	0.333	404.995	6.997	5.771
5	0.417	506.243	3.925	3.238
6	0.500	607.492	2.538	2.093
7	0.583	708.740	1.561	1.287
8	0.667	809.989	1.455	1.200
		Sum = 100.000	Sum=	82.479

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	1.30	0.229	(0.165)		0.055	0.174
2	0.17	1.30	0.229	(0.165)		0.055	0.174
3	0.25	1.10	0.194	(0.165)		0.046	0.148
4	0.33	1.50	0.265	(0.165)		0.063	0.201
5	0.42	1.50	0.265	(0.165)		0.063	0.201
6	0.50	1.80	0.317	(0.165)		0.076	0.242
7	0.58	1.50	0.265	(0.165)		0.063	0.201
8	0.67	1.80	0.317	(0.165)		0.076	0.242
9	0.75	1.80	0.317	(0.165)		0.076	0.242
10	0.83	1.50	0.265	(0.165)		0.063	0.201
11	0.92	1.60	0.282	(0.165)		0.067	0.215
12	1.00	1.80	0.317	(0.165)		0.076	0.242
13	1.08	2.20	0.388	(0.165)		0.093	0.295
14	1.17	2.20	0.388	(0.165)		0.093	0.295
15	1.25	2.20	0.388	(0.165)		0.093	0.295
16	1.33	2.00	0.353	(0.165)		0.084	0.268
17	1.42	2.60	0.459	(0.165)		0.110	0.349
18	1.50	2.70	0.476	(0.165)		0.114	0.362
19	1.58	2.40	0.423	(0.165)		0.101	0.322
20	1.67	2.70	0.476	(0.165)		0.114	0.362
21	1.75	3.30	0.582	(0.165)		0.139	0.443
22	1.83	3.10	0.547	(0.165)		0.131	0.416
23	1.92	2.90	0.511	(0.165)		0.122	0.389
24	2.00	3.00	0.529	(0.165)		0.127	0.403
25	2.08	3.10	0.547	(0.165)		0.131	0.416
26	2.17	4.20	0.741	0.165	(	0.177)	0.576
27	2.25	5.00	0.882	0.165	(	0.211)	0.717
28	2.33	3.50	0.617	(0.165)		0.148	0.470
29	2.42	6.80	1.199	0.165	(	0.287)	1.034
30	2.50	7.30	1.287	0.165	(	0.308)	1.123
31	2.58	8.20	1.446	0.165	(	0.346)	1.281
32	2.67	5.90	1.041	0.165	(	0.249)	0.876
33	2.75	2.00	0.353	(0.165)		0.084	0.268

```
34   2.83     1.80      0.317       (  0.165)       0.076        0.242
35   2.92     1.80      0.317       (  0.165)       0.076        0.242
36   3.00     0.60      0.106       (  0.165)       0.025        0.081
           (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    14.0
    Flood volume = Effective rainfall      1.17(In)
     times area      81.8(Ac.)/[(In)/(Ft.)] =       8.0(Ac.Ft)
    Total soil loss =      0.30(In)
    Total soil loss =     2.063(Ac.Ft)
    Total rainfall =      1.47(In)
    Flood volume =      346757.6 Cubic Feet
    Total soil loss =       89871.9 Cubic Feet
    ---------------------------------------------------------------------
     Peak flow rate of this hydrograph =     89.975(CFS)
    ---------------------------------------------------------------------
    +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                       3 - H O U R    S T O R M
                  R u n o f f      H y d r o g r a p h
    ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

    ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       22.5      45.0      67.5      90.0
-------------------------------------------------------------------------
  0+ 5       0.0194      2.82  VQ        |         |         |         |
  0+10       0.0869      9.80  V   Q     |         |         |         |
  0+15       0.1667     11.59  V    Q    |         |         |         |
  0+20       0.2521     12.39  |V   Q    |         |         |         |
  0+25       0.3537     14.76  |V    Q   |         |         |         |
  0+30       0.4660     16.31  | V    Q  |         |         |         |
  0+35       0.5880     17.71  | V    Q  |         |         |         |
  0+40       0.7092     17.59  |  V   Q  |         |         |         |
  0+45       0.8400     19.00  |   V   Q |         |         |         |
  0+50       0.9695     18.80  |   V   Q |         |         |         |
  0+55       1.0911     17.66  |    V Q  |         |         |         |
  1+ 0       1.2165     18.21  |     V Q |         |         |         |
  1+ 5       1.3555     20.17  |     V Q |         |         |         |
  1+10       1.5112     22.61  |      V  Q         |         |         |
  1+15       1.6728     23.46  |       V Q         |         |         |
  1+20       1.8339     23.40  |        VQ         |         |         |
  1+25       1.9980     23.83  |         Q         |         |         |
  1+30       2.1845     27.08  |         V Q       |         |         |
  1+35       2.3770     27.94  |         |VQ       |         |         |
  1+40       2.5671     27.60  |         | Q       |         |         |
  1+45       2.7756     30.28  |         |  Q      |         |         |
  1+50       3.0065     33.52  |         |   QV    |         |         |
  1+55       3.2354     33.24  |         |   Q V   |         |         |
  2+ 0       3.4604     32.67  |         |   Q  V  |         |         |
  2+ 5       3.6893     33.24  |         |   Q   V |         |         |
  2+10       3.9404     36.46  |         |     Q  V|         |         |
  2+15       4.2530     45.40  |         |         QV        |         |
  2+20       4.5920     49.21  |         |         |Q V      |         |
  2+25       4.9443     51.17  |         |         | Q V     |         |
  2+30       5.4498     73.39  |         |         |      V  | Q       |
  2+35       6.0426     86.08  |         |         |         V       Q |
  2+40       6.6622     89.98  |         |         |         |  V     Q|
  2+45       7.1316     68.15  |         |         |         Q    V    |
  2+50       7.4103     40.47  |         |      Q  |         |      V  |
  2+55       7.6200     30.44  |         |  Q      |         |       V |
  3+ 0       7.7839     23.80  |         Q         |         |        V|
  3+ 5       7.8762     13.40  |    Q    |         |         |        V|
  3+10       7.9204      6.43  | Q       |         |         |        V|
  3+15       7.9421      3.15  |Q        |         |         |        V|
  3+20       7.9518      1.40  Q         |         |         |        V|
  3+25       7.9571      0.77  Q         |         |         |        V|
  3+30       7.9598      0.39  Q         |         |         |        V|
  3+35       7.9605      0.10  Q         |         |         |         V
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRH610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN H- PROPOSED UNIT HYDROGRAPH
10YR-6HR STORM

Drainage Area = 81.84(Ac.) = 0.128 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 81.84(Ac.) = 0.128 Sq. Mi.
Length along longest watercourse = 3201.00(Ft.)
Length along longest watercourse measured to centroid = 2135.00(Ft.)
Length along longest watercourse = 0.606 Mi.
Length along longest watercourse measured to centroid = 0.404 Mi.
Difference in elevation = 86.00(Ft.)
Slope along watercourse = 141.8557 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.082 Hr.
Lag time = 4.94 Min.
25% of lag time = 1.23 Min.
40% of lag time = 1.98 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	1.60	130.94

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	3.00	245.52

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 2.176(In)
Areal adjustment factor = 99.97 %
Adjusted average point rain = 2.175(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
81.840	62.80	0.826

Total Area Entered = 81.84(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

62.8 62.8 0.440 0.826 0.113 1.000 0.113
Sum (F) = 0.113
Area averaged mean soil loss (F) (In/Hr) = 0.165
Minimum soil loss rate ((In/Hr)) = 0.082
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) = 0.239

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	101.249	19.584	16.153
2	0.167	202.497	48.492	39.996
3	0.250	303.746	15.449	12.742
4	0.333	404.995	6.997	5.771
5	0.417	506.243	3.925	3.238
6	0.500	607.492	2.538	2.093
7	0.583	708.740	1.561	1.287
8	0.667	809.989	1.455	1.200
		Sum = 100.000	Sum=	82.479

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.50	0.131	(0.165)		0.031	0.099
2	0.17	0.60	0.157	(0.165)		0.037	0.119
3	0.25	0.60	0.157	(0.165)		0.037	0.119
4	0.33	0.60	0.157	(0.165)		0.037	0.119
5	0.42	0.60	0.157	(0.165)		0.037	0.119
6	0.50	0.70	0.183	(0.165)		0.044	0.139
7	0.58	0.70	0.183	(0.165)		0.044	0.139
8	0.67	0.70	0.183	(0.165)		0.044	0.139
9	0.75	0.70	0.183	(0.165)		0.044	0.139
10	0.83	0.70	0.183	(0.165)		0.044	0.139
11	0.92	0.70	0.183	(0.165)		0.044	0.139
12	1.00	0.80	0.209	(0.165)		0.050	0.159
13	1.08	0.80	0.209	(0.165)		0.050	0.159
14	1.17	0.80	0.209	(0.165)		0.050	0.159
15	1.25	0.80	0.209	(0.165)		0.050	0.159
16	1.33	0.80	0.209	(0.165)		0.050	0.159
17	1.42	0.80	0.209	(0.165)		0.050	0.159
18	1.50	0.80	0.209	(0.165)		0.050	0.159
19	1.58	0.80	0.209	(0.165)		0.050	0.159
20	1.67	0.80	0.209	(0.165)		0.050	0.159
21	1.75	0.80	0.209	(0.165)		0.050	0.159
22	1.83	0.80	0.209	(0.165)		0.050	0.159
23	1.92	0.80	0.209	(0.165)		0.050	0.159
24	2.00	0.90	0.235	(0.165)		0.056	0.179
25	2.08	0.80	0.209	(0.165)		0.050	0.159
26	2.17	0.90	0.235	(0.165)		0.056	0.179
27	2.25	0.90	0.235	(0.165)		0.056	0.179
28	2.33	0.90	0.235	(0.165)		0.056	0.179
29	2.42	0.90	0.235	(0.165)		0.056	0.179
30	2.50	0.90	0.235	(0.165)		0.056	0.179
31	2.58	0.90	0.235	(0.165)		0.056	0.179
32	2.67	0.90	0.235	(0.165)		0.056	0.179
33	2.75	1.00	0.261	(0.165)		0.062	0.199

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34   2.83     1.00      0.261       (  0.165)       0.062        0.199
35   2.92     1.00      0.261       (  0.165)       0.062        0.199
36   3.00     1.00      0.261       (  0.165)       0.062        0.199
37   3.08     1.00      0.261       (  0.165)       0.062        0.199
38   3.17     1.10      0.287       (  0.165)       0.069        0.218
39   3.25     1.10      0.287       (  0.165)       0.069        0.218
40   3.33     1.10      0.287       (  0.165)       0.069        0.218
41   3.42     1.20      0.313       (  0.165)       0.075        0.238
42   3.50     1.30      0.339       (  0.165)       0.081        0.258
43   3.58     1.40      0.365       (  0.165)       0.087        0.278
44   3.67     1.40      0.365       (  0.165)       0.087        0.278
45   3.75     1.50      0.392       (  0.165)       0.094        0.298
46   3.83     1.50      0.392       (  0.165)       0.094        0.298
47   3.92     1.60      0.418       (  0.165)       0.100        0.318
48   4.00     1.60      0.418       (  0.165)       0.100        0.318
49   4.08     1.70      0.444       (  0.165)       0.106        0.338
50   4.17     1.80      0.470       (  0.165)       0.112        0.357
51   4.25     1.90      0.496       (  0.165)       0.119        0.377
52   4.33     2.00      0.522       (  0.165)       0.125        0.397
53   4.42     2.10      0.548       (  0.165)       0.131        0.417
54   4.50     2.10      0.548       (  0.165)       0.131        0.417
55   4.58     2.20      0.574       (  0.165)       0.137        0.437
56   4.67     2.30      0.600       (  0.165)       0.144        0.457
57   4.75     2.40      0.627       (  0.165)       0.150        0.477
58   4.83     2.40      0.627       (  0.165)       0.150        0.477
59   4.92     2.50      0.653       (  0.165)       0.156        0.497
60   5.00     2.60      0.679       (  0.165)       0.162        0.516
61   5.08     3.10      0.809          0.165    (  0.194)        0.644
62   5.17     3.60      0.940          0.165    (  0.225)        0.775
63   5.25     3.90      1.018          0.165    (  0.244)        0.853
64   5.33     4.20      1.096          0.165    (  0.262)        0.932
65   5.42     4.70      1.227          0.165    (  0.293)        1.062
66   5.50     5.60      1.462          0.165    (  0.350)        1.297
67   5.58     1.90      0.496       (  0.165)       0.119        0.377
68   5.67     0.90      0.235       (  0.165)       0.056        0.179
69   5.75     0.60      0.157       (  0.165)       0.037        0.119
70   5.83     0.50      0.131       (  0.165)       0.031        0.099
71   5.92     0.30      0.078       (  0.165)       0.019        0.060
72   6.00     0.20      0.052       (  0.165)       0.012        0.040
            (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    20.4
     Flood volume = Effective rainfall      1.70(In)
      times area      81.8(Ac.)/[(In)/(Ft.)] =      11.6(Ac.Ft)
     Total soil loss =      0.47(In)
     Total soil loss =     3.220(Ac.Ft)
     Total rainfall =      2.18(In)
     Flood volume =      505979.2 Cubic Feet
     Total soil loss =      140274.7 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     85.381(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       22.5      45.0      67.5      90.0
-------------------------------------------------------------------------
  0+ 5       0.0111      1.60  Q        |         |         |         |
  0+10       0.0517      5.90  V Q      |         |         |         |
  0+15       0.1065      7.96  V  Q     |         |         |         |
  0+20       0.1670      8.79  V  Q     |         |         |         |
  0+25       0.2305      9.22  V   Q    |         |         |         |
  0+30       0.2981      9.82  |V  Q    |         |         |         |
  0+35       0.3724     10.78  |V  Q    |         |         |         |
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0+40       0.4494     11.18  |V  Q     |          |          |          |
0+45       0.5273     11.32  |V   Q    |          |          |          |
0+50       0.6057     11.38  | V  Q    |          |          |          |
0+55       0.6844     11.42  | V  Q    |          |          |          |
1+ 0       0.7654     11.77  | V  Q    |          |          |          |
1+ 5       0.8521     12.59  | V  Q    |          |          |          |
1+10       0.9406     12.84  |  V Q    |          |          |          |
1+15       1.0298     12.96  |  V Q    |          |          |          |
1+20       1.1195     13.02  |  V Q    |          |          |          |
1+25       1.2094     13.06  |   VQ    |          |          |          |
1+30       1.2995     13.09  |   VQ    |          |          |          |
1+35       1.3898     13.11  |   VQ    |          |          |          |
1+40       1.4801     13.11  |    Q    |          |          |          |
1+45       1.5704     13.11  |    Q    |          |          |          |
1+50       1.6607     13.11  |    Q    |          |          |          |
1+55       1.7510     13.11  |    QV   |          |          |          |
2+ 0       1.8435     13.43  |    QV   |          |          |          |
2+ 5       1.9393     13.91  |     Q   |          |          |          |
2+10       2.0336     13.69  |     QV  |          |          |          |
2+15       2.1323     14.34  |     QV  |          |          |          |
2+20       2.2325     14.54  |     QV  |          |          |          |
2+25       2.3333     14.64  |     Q V |          |          |          |
2+30       2.4344     14.68  |     Q V |          |          |          |
2+35       2.5358     14.72  |     Q V |          |          |          |
2+40       2.6373     14.73  |     Q  V|          |          |          |
2+45       2.7411     15.07  |     Q  V|          |          |          |
2+50       2.8503     15.87  |      Q V|          |          |          |
2+55       2.9613     16.12  |      Q  V          |          |          |
3+ 0       3.0731     16.23  |      Q  V          |          |          |
3+ 5       3.1854     16.30  |      Q  V          |          |          |
3+10       3.3001     16.66  |      Q  |V         |          |          |
3+15       3.4205     17.48  |      Q  |V         |          |          |
3+20       3.5428     17.76  |      Q  | V        |          |          |
3+25       3.6681     18.19  |       Q | V        |          |          |
3+30       3.8016     19.37  |       Q |  V       |          |          |
3+35       3.9447     20.78  |        Q|  V       |          |          |
3+40       4.0960     21.97  |        Q|   V      |          |          |
3+45       4.2527     22.75  |         Q   V      |          |          |
3+50       4.4164     23.76  |         Q    V     |          |          |
3+55       4.5849     24.47  |         Q    V     |          |          |
4+ 0       4.7603     25.47  |         |Q    V    |          |          |
4+ 5       4.9405     26.16  |         |Q     V   |          |          |
4+10       5.1295     27.45  |         | Q    V   |          |          |
4+15       5.3287     28.91  |         | Q     V  |          |          |
4+20       5.5385     30.46  |         |  Q     V|          |          |
4+25       5.7591     32.04  |         |   Q    V|          |          |
4+30       5.9886     33.33  |         |   Q     V          |          |
4+35       6.2238     34.15  |         |    Q    |V         |          |
4+40       6.4685     35.53  |         |    Q    | V        |          |
4+45       6.7237     37.06  |         |     Q   |  V       |          |
4+50       6.9876     38.31  |         |      Q  |   V      |          |
4+55       7.2570     39.11  |         |      Q  |   V      |          |
5+ 0       7.5357     40.47  |         |      Q  |    V     |          |
5+ 5       7.8369     43.72  |         |        Q|     V    |          |
5+10       8.1909     51.41  |         |         | Q     V  |          |
5+15       8.6025     59.76  |         |         |     Q  V|          |
5+20       9.0618     66.69  |         |         |        Q|V         |
5+25       9.5726     74.17  |         |         |         | Q        |
5+30      10.1607     85.38  |         |         |         |   V  Q   |
5+35      10.7306     82.75  |         |         |         |     Q    |
5+40      11.0559     47.23  |         |         Q         |       V  |
5+45      11.2542     28.80  |         | Q       |         |       V  |
5+50      11.3884     19.48  |       Q |         |         |        V |
5+55      11.4842     13.91  |     Q   |         |         |        V |
6+ 0      11.5482      9.29  |   Q     |         |         |        V |
6+ 5      11.5876      5.73  | Q       |         |         |        V |
6+10      11.6021      2.10  Q         |         |         |        V |
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    6+15      11.6090      1.00  Q         |         |         |        V|
    6+20      11.6126      0.52  Q         |         |         |        V|
    6+25      11.6145      0.28  Q         |         |         |        V|
    6+30      11.6154      0.12  Q         |         |         |        V|
    6+35      11.6157      0.05  Q         |         |         |         V
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRH2410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN H- PROPOSED UNIT HYDROGRAPH
10YR-24HR STORM

Drainage Area = 81.84(Ac.) = 0.128 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 81.84(Ac.) = 0.128 Sq. Mi.
Length along longest watercourse = 3201.00(Ft.)
Length along longest watercourse measured to centroid = 2135.00(Ft.)
Length along longest watercourse = 0.606 Mi.
Length along longest watercourse measured to centroid = 0.404 Mi.
Difference in elevation = 86.00(Ft.)
Slope along watercourse = 141.8557 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.082 Hr.
Lag time = 4.94 Min.
25% of lag time = 1.23 Min.
40% of lag time = 1.98 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	2.70	220.97

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	7.00	572.88

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 4.469(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 4.468(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
81.840	62.80	0.826

Total Area Entered = 81.84(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      62.8  62.8      0.440     0.826        0.113       1.000      0.113
                                                          Sum (F) =   0.113
      Area averaged mean soil loss (F) (In/Hr) =  0.165
      Minimum soil loss rate ((In/Hr)) =  0.082
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.239
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------------
              1   0.083        101.249         19.584            16.153
              2   0.167        202.497         48.492            39.996
              3   0.250        303.746         15.449            12.742
              4   0.333        404.995          6.997             5.771
              5   0.417        506.243          3.925             3.238
              6   0.500        607.492          2.538             2.093
              7   0.583        708.740          1.561             1.287
              8   0.667        809.989          1.455             1.200
                                      Sum = 100.000   Sum=      82.479
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The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.036	(0.292)	0.009	0.027
2	0.17	0.07	0.036	(0.291)	0.009	0.027
3	0.25	0.07	0.036	(0.290)	0.009	0.027
4	0.33	0.10	0.054	(0.289)	0.013	0.041
5	0.42	0.10	0.054	(0.288)	0.013	0.041
6	0.50	0.10	0.054	(0.287)	0.013	0.041
7	0.58	0.10	0.054	(0.286)	0.013	0.041
8	0.67	0.10	0.054	(0.284)	0.013	0.041
9	0.75	0.10	0.054	(0.283)	0.013	0.041
10	0.83	0.13	0.071	(0.282)	0.017	0.054
11	0.92	0.13	0.071	(0.281)	0.017	0.054
12	1.00	0.13	0.071	(0.280)	0.017	0.054
13	1.08	0.10	0.054	(0.279)	0.013	0.041
14	1.17	0.10	0.054	(0.278)	0.013	0.041
15	1.25	0.10	0.054	(0.277)	0.013	0.041
16	1.33	0.10	0.054	(0.276)	0.013	0.041
17	1.42	0.10	0.054	(0.274)	0.013	0.041
18	1.50	0.10	0.054	(0.273)	0.013	0.041
19	1.58	0.10	0.054	(0.272)	0.013	0.041
20	1.67	0.10	0.054	(0.271)	0.013	0.041
21	1.75	0.10	0.054	(0.270)	0.013	0.041
22	1.83	0.13	0.071	(0.269)	0.017	0.054
23	1.92	0.13	0.071	(0.268)	0.017	0.054
24	2.00	0.13	0.071	(0.267)	0.017	0.054
25	2.08	0.13	0.071	(0.266)	0.017	0.054
26	2.17	0.13	0.071	(0.265)	0.017	0.054
27	2.25	0.13	0.071	(0.264)	0.017	0.054
28	2.33	0.13	0.071	(0.263)	0.017	0.054
29	2.42	0.13	0.071	(0.261)	0.017	0.054
30	2.50	0.13	0.071	(0.260)	0.017	0.054
31	2.58	0.17	0.089	(0.259)	0.021	0.068
32	2.67	0.17	0.089	(0.258)	0.021	0.068
33	2.75	0.17	0.089	(0.257)	0.021	0.068

34	2.83	0.17	0.089	(0.256)	0.021	0.068
35	2.92	0.17	0.089	(0.255)	0.021	0.068
36	3.00	0.17	0.089	(0.254)	0.021	0.068
37	3.08	0.17	0.089	(0.253)	0.021	0.068
38	3.17	0.17	0.089	(0.252)	0.021	0.068
39	3.25	0.17	0.089	(0.251)	0.021	0.068
40	3.33	0.17	0.089	(0.250)	0.021	0.068
41	3.42	0.17	0.089	(0.249)	0.021	0.068
42	3.50	0.17	0.089	(0.248)	0.021	0.068
43	3.58	0.17	0.089	(0.247)	0.021	0.068
44	3.67	0.17	0.089	(0.246)	0.021	0.068
45	3.75	0.17	0.089	(0.245)	0.021	0.068
46	3.83	0.20	0.107	(0.244)	0.026	0.082
47	3.92	0.20	0.107	(0.243)	0.026	0.082
48	4.00	0.20	0.107	(0.242)	0.026	0.082
49	4.08	0.20	0.107	(0.241)	0.026	0.082
50	4.17	0.20	0.107	(0.240)	0.026	0.082
51	4.25	0.20	0.107	(0.239)	0.026	0.082
52	4.33	0.23	0.125	(0.237)	0.030	0.095
53	4.42	0.23	0.125	(0.236)	0.030	0.095
54	4.50	0.23	0.125	(0.235)	0.030	0.095
55	4.58	0.23	0.125	(0.234)	0.030	0.095
56	4.67	0.23	0.125	(0.233)	0.030	0.095
57	4.75	0.23	0.125	(0.232)	0.030	0.095
58	4.83	0.27	0.143	(0.231)	0.034	0.109
59	4.92	0.27	0.143	(0.230)	0.034	0.109
60	5.00	0.27	0.143	(0.229)	0.034	0.109
61	5.08	0.20	0.107	(0.228)	0.026	0.082
62	5.17	0.20	0.107	(0.227)	0.026	0.082
63	5.25	0.20	0.107	(0.226)	0.026	0.082
64	5.33	0.23	0.125	(0.225)	0.030	0.095
65	5.42	0.23	0.125	(0.224)	0.030	0.095
66	5.50	0.23	0.125	(0.223)	0.030	0.095
67	5.58	0.27	0.143	(0.223)	0.034	0.109
68	5.67	0.27	0.143	(0.222)	0.034	0.109
69	5.75	0.27	0.143	(0.221)	0.034	0.109
70	5.83	0.27	0.143	(0.220)	0.034	0.109
71	5.92	0.27	0.143	(0.219)	0.034	0.109
72	6.00	0.27	0.143	(0.218)	0.034	0.109
73	6.08	0.30	0.161	(0.217)	0.038	0.122
74	6.17	0.30	0.161	(0.216)	0.038	0.122
75	6.25	0.30	0.161	(0.215)	0.038	0.122
76	6.33	0.30	0.161	(0.214)	0.038	0.122
77	6.42	0.30	0.161	(0.213)	0.038	0.122
78	6.50	0.30	0.161	(0.212)	0.038	0.122
79	6.58	0.33	0.179	(0.211)	0.043	0.136
80	6.67	0.33	0.179	(0.210)	0.043	0.136
81	6.75	0.33	0.179	(0.209)	0.043	0.136
82	6.83	0.33	0.179	(0.208)	0.043	0.136
83	6.92	0.33	0.179	(0.207)	0.043	0.136
84	7.00	0.33	0.179	(0.206)	0.043	0.136
85	7.08	0.33	0.179	(0.205)	0.043	0.136
86	7.17	0.33	0.179	(0.204)	0.043	0.136
87	7.25	0.33	0.179	(0.203)	0.043	0.136
88	7.33	0.37	0.197	(0.202)	0.047	0.150
89	7.42	0.37	0.197	(0.202)	0.047	0.150
90	7.50	0.37	0.197	(0.201)	0.047	0.150
91	7.58	0.40	0.214	(0.200)	0.051	0.163
92	7.67	0.40	0.214	(0.199)	0.051	0.163
93	7.75	0.40	0.214	(0.198)	0.051	0.163
94	7.83	0.43	0.232	(0.197)	0.056	0.177
95	7.92	0.43	0.232	(0.196)	0.056	0.177
96	8.00	0.43	0.232	(0.195)	0.056	0.177
97	8.08	0.50	0.268	(0.194)	0.064	0.204
98	8.17	0.50	0.268	(0.193)	0.064	0.204
99	8.25	0.50	0.268	(0.192)	0.064	0.204
100	8.33	0.50	0.268	(0.192)	0.064	0.204

101	8.42	0.50	0.268	(0.191)	0.064	0.204
102	8.50	0.50	0.268	(0.190)	0.064	0.204
103	8.58	0.53	0.286	(0.189)	0.068	0.218
104	8.67	0.53	0.286	(0.188)	0.068	0.218
105	8.75	0.53	0.286	(0.187)	0.068	0.218
106	8.83	0.57	0.304	(0.186)	0.073	0.231
107	8.92	0.57	0.304	(0.185)	0.073	0.231
108	9.00	0.57	0.304	(0.184)	0.073	0.231
109	9.08	0.63	0.340	(0.184)	0.081	0.258
110	9.17	0.63	0.340	(0.183)	0.081	0.258
111	9.25	0.63	0.340	(0.182)	0.081	0.258
112	9.33	0.67	0.357	(0.181)	0.086	0.272
113	9.42	0.67	0.357	(0.180)	0.086	0.272
114	9.50	0.67	0.357	(0.179)	0.086	0.272
115	9.58	0.70	0.375	(0.178)	0.090	0.286
116	9.67	0.70	0.375	(0.178)	0.090	0.286
117	9.75	0.70	0.375	(0.177)	0.090	0.286
118	9.83	0.73	0.393	(0.176)	0.094	0.299
119	9.92	0.73	0.393	(0.175)	0.094	0.299
120	10.00	0.73	0.393	(0.174)	0.094	0.299
121	10.08	0.50	0.268	(0.173)	0.064	0.204
122	10.17	0.50	0.268	(0.172)	0.064	0.204
123	10.25	0.50	0.268	(0.172)	0.064	0.204
124	10.33	0.50	0.268	(0.171)	0.064	0.204
125	10.42	0.50	0.268	(0.170)	0.064	0.204
126	10.50	0.50	0.268	(0.169)	0.064	0.204
127	10.58	0.67	0.357	(0.168)	0.086	0.272
128	10.67	0.67	0.357	(0.167)	0.086	0.272
129	10.75	0.67	0.357	(0.167)	0.086	0.272
130	10.83	0.67	0.357	(0.166)	0.086	0.272
131	10.92	0.67	0.357	(0.165)	0.086	0.272
132	11.00	0.67	0.357	(0.164)	0.086	0.272
133	11.08	0.63	0.340	(0.163)	0.081	0.258
134	11.17	0.63	0.340	(0.163)	0.081	0.258
135	11.25	0.63	0.340	(0.162)	0.081	0.258
136	11.33	0.63	0.340	(0.161)	0.081	0.258
137	11.42	0.63	0.340	(0.160)	0.081	0.258
138	11.50	0.63	0.340	(0.159)	0.081	0.258
139	11.58	0.57	0.304	(0.159)	0.073	0.231
140	11.67	0.57	0.304	(0.158)	0.073	0.231
141	11.75	0.57	0.304	(0.157)	0.073	0.231
142	11.83	0.60	0.322	(0.156)	0.077	0.245
143	11.92	0.60	0.322	(0.155)	0.077	0.245
144	12.00	0.60	0.322	(0.155)	0.077	0.245
145	12.08	0.83	0.447	(0.154)	0.107	0.340
146	12.17	0.83	0.447	(0.153)	0.107	0.340
147	12.25	0.83	0.447	(0.152)	0.107	0.340
148	12.33	0.87	0.465	(0.152)	0.111	0.354
149	12.42	0.87	0.465	(0.151)	0.111	0.354
150	12.50	0.87	0.465	(0.150)	0.111	0.354
151	12.58	0.93	0.500	(0.149)	0.120	0.381
152	12.67	0.93	0.500	(0.149)	0.120	0.381
153	12.75	0.93	0.500	(0.148)	0.120	0.381
154	12.83	0.97	0.518	(0.147)	0.124	0.394
155	12.92	0.97	0.518	(0.146)	0.124	0.394
156	13.00	0.97	0.518	(0.146)	0.124	0.394
157	13.08	1.13	0.608	0.145	(0.145)	0.463
158	13.17	1.13	0.608	0.144	(0.145)	0.464
159	13.25	1.13	0.608	0.143	(0.145)	0.464
160	13.33	1.13	0.608	0.143	(0.145)	0.465
161	13.42	1.13	0.608	0.142	(0.145)	0.466
162	13.50	1.13	0.608	0.141	(0.145)	0.466
163	13.58	0.77	0.411	(0.141)	0.098	0.313
164	13.67	0.77	0.411	(0.140)	0.098	0.313
165	13.75	0.77	0.411	(0.139)	0.098	0.313
166	13.83	0.77	0.411	(0.138)	0.098	0.313
167	13.92	0.77	0.411	(0.138)	0.098	0.313

168	14.00	0.77	0.411	(0.137)	0.098	0.313
169	14.08	0.90	0.483	(0.136)	0.115	0.367
170	14.17	0.90	0.483	(0.136)	0.115	0.367
171	14.25	0.90	0.483	(0.135)	0.115	0.367
172	14.33	0.87	0.465	(0.134)	0.111	0.354
173	14.42	0.87	0.465	(0.133)	0.111	0.354
174	14.50	0.87	0.465	(0.133)	0.111	0.354
175	14.58	0.87	0.465	(0.132)	0.111	0.354
176	14.67	0.87	0.465	(0.131)	0.111	0.354
177	14.75	0.87	0.465	(0.131)	0.111	0.354
178	14.83	0.83	0.447	(0.130)	0.107	0.340
179	14.92	0.83	0.447	(0.129)	0.107	0.340
180	15.00	0.83	0.447	(0.129)	0.107	0.340
181	15.08	0.80	0.429	(0.128)	0.103	0.326
182	15.17	0.80	0.429	(0.127)	0.103	0.326
183	15.25	0.80	0.429	(0.127)	0.103	0.326
184	15.33	0.77	0.411	(0.126)	0.098	0.313
185	15.42	0.77	0.411	(0.126)	0.098	0.313
186	15.50	0.77	0.411	(0.125)	0.098	0.313
187	15.58	0.63	0.340	(0.124)	0.081	0.258
188	15.67	0.63	0.340	(0.124)	0.081	0.258
189	15.75	0.63	0.340	(0.123)	0.081	0.258
190	15.83	0.63	0.340	(0.122)	0.081	0.258
191	15.92	0.63	0.340	(0.122)	0.081	0.258
192	16.00	0.63	0.340	(0.121)	0.081	0.258
193	16.08	0.13	0.071	(0.120)	0.017	0.054
194	16.17	0.13	0.071	(0.120)	0.017	0.054
195	16.25	0.13	0.071	(0.119)	0.017	0.054
196	16.33	0.13	0.071	(0.119)	0.017	0.054
197	16.42	0.13	0.071	(0.118)	0.017	0.054
198	16.50	0.13	0.071	(0.117)	0.017	0.054
199	16.58	0.10	0.054	(0.117)	0.013	0.041
200	16.67	0.10	0.054	(0.116)	0.013	0.041
201	16.75	0.10	0.054	(0.116)	0.013	0.041
202	16.83	0.10	0.054	(0.115)	0.013	0.041
203	16.92	0.10	0.054	(0.114)	0.013	0.041
204	17.00	0.10	0.054	(0.114)	0.013	0.041
205	17.08	0.17	0.089	(0.113)	0.021	0.068
206	17.17	0.17	0.089	(0.113)	0.021	0.068
207	17.25	0.17	0.089	(0.112)	0.021	0.068
208	17.33	0.17	0.089	(0.112)	0.021	0.068
209	17.42	0.17	0.089	(0.111)	0.021	0.068
210	17.50	0.17	0.089	(0.110)	0.021	0.068
211	17.58	0.17	0.089	(0.110)	0.021	0.068
212	17.67	0.17	0.089	(0.109)	0.021	0.068
213	17.75	0.17	0.089	(0.109)	0.021	0.068
214	17.83	0.13	0.071	(0.108)	0.017	0.054
215	17.92	0.13	0.071	(0.108)	0.017	0.054
216	18.00	0.13	0.071	(0.107)	0.017	0.054
217	18.08	0.13	0.071	(0.107)	0.017	0.054
218	18.17	0.13	0.071	(0.106)	0.017	0.054
219	18.25	0.13	0.071	(0.106)	0.017	0.054
220	18.33	0.13	0.071	(0.105)	0.017	0.054
221	18.42	0.13	0.071	(0.105)	0.017	0.054
222	18.50	0.13	0.071	(0.104)	0.017	0.054
223	18.58	0.10	0.054	(0.104)	0.013	0.041
224	18.67	0.10	0.054	(0.103)	0.013	0.041
225	18.75	0.10	0.054	(0.103)	0.013	0.041
226	18.83	0.07	0.036	(0.102)	0.009	0.027
227	18.92	0.07	0.036	(0.102)	0.009	0.027
228	19.00	0.07	0.036	(0.101)	0.009	0.027
229	19.08	0.10	0.054	(0.101)	0.013	0.041
230	19.17	0.10	0.054	(0.100)	0.013	0.041
231	19.25	0.10	0.054	(0.100)	0.013	0.041
232	19.33	0.13	0.071	(0.099)	0.017	0.054
233	19.42	0.13	0.071	(0.099)	0.017	0.054
234	19.50	0.13	0.071	(0.098)	0.017	0.054

235	19.58	0.10	0.054	(0.098)	0.013	0.041
236	19.67	0.10	0.054	(0.097)	0.013	0.041
237	19.75	0.10	0.054	(0.097)	0.013	0.041
238	19.83	0.07	0.036	(0.097)	0.009	0.027
239	19.92	0.07	0.036	(0.096)	0.009	0.027
240	20.00	0.07	0.036	(0.096)	0.009	0.027
241	20.08	0.10	0.054	(0.095)	0.013	0.041
242	20.17	0.10	0.054	(0.095)	0.013	0.041
243	20.25	0.10	0.054	(0.094)	0.013	0.041
244	20.33	0.10	0.054	(0.094)	0.013	0.041
245	20.42	0.10	0.054	(0.094)	0.013	0.041
246	20.50	0.10	0.054	(0.093)	0.013	0.041
247	20.58	0.10	0.054	(0.093)	0.013	0.041
248	20.67	0.10	0.054	(0.092)	0.013	0.041
249	20.75	0.10	0.054	(0.092)	0.013	0.041
250	20.83	0.07	0.036	(0.092)	0.009	0.027
251	20.92	0.07	0.036	(0.091)	0.009	0.027
252	21.00	0.07	0.036	(0.091)	0.009	0.027
253	21.08	0.10	0.054	(0.091)	0.013	0.041
254	21.17	0.10	0.054	(0.090)	0.013	0.041
255	21.25	0.10	0.054	(0.090)	0.013	0.041
256	21.33	0.07	0.036	(0.090)	0.009	0.027
257	21.42	0.07	0.036	(0.089)	0.009	0.027
258	21.50	0.07	0.036	(0.089)	0.009	0.027
259	21.58	0.10	0.054	(0.089)	0.013	0.041
260	21.67	0.10	0.054	(0.088)	0.013	0.041
261	21.75	0.10	0.054	(0.088)	0.013	0.041
262	21.83	0.07	0.036	(0.088)	0.009	0.027
263	21.92	0.07	0.036	(0.087)	0.009	0.027
264	22.00	0.07	0.036	(0.087)	0.009	0.027
265	22.08	0.10	0.054	(0.087)	0.013	0.041
266	22.17	0.10	0.054	(0.086)	0.013	0.041
267	22.25	0.10	0.054	(0.086)	0.013	0.041
268	22.33	0.07	0.036	(0.086)	0.009	0.027
269	22.42	0.07	0.036	(0.086)	0.009	0.027
270	22.50	0.07	0.036	(0.085)	0.009	0.027
271	22.58	0.07	0.036	(0.085)	0.009	0.027
272	22.67	0.07	0.036	(0.085)	0.009	0.027
273	22.75	0.07	0.036	(0.085)	0.009	0.027
274	22.83	0.07	0.036	(0.084)	0.009	0.027
275	22.92	0.07	0.036	(0.084)	0.009	0.027
276	23.00	0.07	0.036	(0.084)	0.009	0.027
277	23.08	0.07	0.036	(0.084)	0.009	0.027
278	23.17	0.07	0.036	(0.084)	0.009	0.027
279	23.25	0.07	0.036	(0.084)	0.009	0.027
280	23.33	0.07	0.036	(0.083)	0.009	0.027
281	23.42	0.07	0.036	(0.083)	0.009	0.027
282	23.50	0.07	0.036	(0.083)	0.009	0.027
283	23.58	0.07	0.036	(0.083)	0.009	0.027
284	23.67	0.07	0.036	(0.083)	0.009	0.027
285	23.75	0.07	0.036	(0.083)	0.009	0.027
286	23.83	0.07	0.036	(0.083)	0.009	0.027
287	23.92	0.07	0.036	(0.083)	0.009	0.027
288	24.00	0.07	0.036	(0.082)	0.009	0.027

(Loss Rate Not Used)

Sum = 100.0 Sum = 40.8

Flood volume = Effective rainfall 3.40(In)
times area 81.8(Ac.)/[(In)/(Ft.)] = 23.2(Ac.Ft)
Total soil loss = 1.07(In)
Total soil loss = 7.281(Ac.Ft)
Total rainfall = 4.47(In)
Flood volume = 1010269.6 Cubic Feet
Total soil loss = 317181.4 Cubic Feet

Peak flow rate of this hydrograph = 38.238(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	10.0	20.0	30.0	40.0
0+ 5	0.0030	0.44	Q				
0+10	0.0135	1.53	VQ				
0+15	0.0265	1.87	VQ				
0+20	0.0420	2.25	V Q				
0+25	0.0618	2.88	V Q				
0+30	0.0833	3.11	V Q				
0+35	0.1055	3.23	V Q				
0+40	0.1283	3.30	V Q				
0+45	0.1512	3.33	V Q				
0+50	0.1758	3.57	V Q				
0+55	0.2042	4.13	V Q				
1+ 0	0.2339	4.30	V Q				
1+ 5	0.2625	4.16	V Q				
1+10	0.2878	3.66	V Q				
1+15	0.3120	3.52	V Q				
1+20	0.3358	3.46	V Q				
1+25	0.3594	3.43	V Q				
1+30	0.3828	3.40	V Q				
1+35	0.4061	3.38	V Q				
1+40	0.4293	3.37	V Q				
1+45	0.4525	3.37	V Q				
1+50	0.4772	3.59	V Q				
1+55	0.5056	4.13	V Q				
2+ 0	0.5353	4.30	V Q				
2+ 5	0.5655	4.38	V Q				
2+10	0.5959	4.43	|V Q				
2+15	0.6266	4.45	|V Q				
2+20	0.6574	4.47	|V Q				
2+25	0.6883	4.49	|V Q				
2+30	0.7192	4.49	|V Q				
2+35	0.7517	4.71	|V Q				
2+40	0.7878	5.25	|V Q				
2+45	0.8252	5.43	|V Q				
2+50	0.8631	5.50	|V Q				
2+55	0.9013	5.55	|V Q				
3+ 0	0.9397	5.58	|V Q				
3+ 5	0.9783	5.59	|V Q				
3+10	1.0169	5.61	|V Q				
3+15	1.0556	5.61	|V Q				
3+20	1.0942	5.61	|V Q				
3+25	1.1328	5.61	|V Q				
3+30	1.1715	5.61	| V Q				
3+35	1.2101	5.61	| V Q				
3+40	1.2488	5.61	| V Q				
3+45	1.2874	5.61	| V Q				
3+50	1.3276	5.83	| V Q				
3+55	1.3715	6.37	| V Q				
4+ 0	1.4166	6.55	| V Q				
4+ 5	1.4622	6.63	| V Q				
4+10	1.5081	6.67	| V Q				
4+15	1.5543	6.70	| V Q				
4+20	1.6020	6.94	| V Q				
4+25	1.6537	7.50	| V Q				
4+30	1.7065	7.67	| V Q				
4+35	1.7599	7.75	| V Q				
4+40	1.8135	7.79	| V Q				
4+45	1.8674	7.82	| V Q				
4+50	1.9229	8.06	| V Q				
4+55	1.9822	8.62	| V Q				

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 5+ 0       2.0428      8.79  |  V    Q |          |          |          |
 5+ 5       2.1009      8.43  |  V    Q |          |          |          |
 5+10       2.1517      7.39  |  V   Q  |          |          |          |
 5+15       2.2004      7.07  |  V   Q  |          |          |          |
 5+20       2.2497      7.15  |  V   Q  |          |          |          |
 5+25       2.3021      7.62  |  V   Q  |          |          |          |
 5+30       2.3554      7.74  |   V  Q  |          |          |          |
 5+35       2.4105      8.00  |   V   Q |          |          |          |
 5+40       2.4695      8.56  |   V   Q |          |          |          |
 5+45       2.5298      8.76  |   V   Q |          |          |          |
 5+50       2.5908      8.85  |   V   Q |          |          |          |
 5+55       2.6522      8.91  |   V   Q |          |          |          |
 6+ 0       2.7138      8.94  |   V   Q |          |          |          |
 6+ 5       2.7770      9.18  |   V    Q|          |          |          |
 6+10       2.8441      9.74  |   V    Q|          |          |          |
 6+15       2.9124      9.91  |    V   Q|          |          |          |
 6+20       2.9812      9.99  |    V   Q|          |          |          |
 6+25       3.0503     10.04  |    V    Q          |          |          |
 6+30       3.1196     10.07  |    V    Q          |          |          |
 6+35       3.1906     10.30  |    V    Q          |          |          |
 6+40       3.2654     10.86  |    V    Q          |          |          |
 6+45       3.3414     11.04  |    V    |Q         |          |          |
 6+50       3.4180     11.12  |    V    |Q         |          |          |
 6+55       3.4948     11.16  |     V   |Q         |          |          |
 7+ 0       3.5719     11.19  |     V   |Q         |          |          |
 7+ 5       3.6490     11.21  |     V   |Q         |          |          |
 7+10       3.7263     11.22  |     V   |Q         |          |          |
 7+15       3.8036     11.22  |     V   |Q         |          |          |
 7+20       3.8824     11.44  |     V   |Q         |          |          |
 7+25       3.9649     11.99  |     V   |Q         |          |          |
 7+30       4.0487     12.16  |     V   | Q        |          |          |
 7+35       4.1345     12.46  |      V  | Q        |          |          |
 7+40       4.2243     13.05  |      V  |  Q       |          |          |
 7+45       4.3155     13.25  |      V  |  Q       |          |          |
 7+50       4.4089     13.56  |      V  |  Q       |          |          |
 7+55       4.5065     14.17  |      V  |   Q      |          |          |
 8+ 0       4.6055     14.37  |      V  |   Q      |          |          |
 8+ 5       4.7081     14.90  |       V |   Q      |          |          |
 8+10       4.8187     16.05  |       V |     Q    |          |          |
 8+15       4.9318     16.43  |       V |     Q    |          |          |
 8+20       5.0462     16.60  |       V |     Q    |          |          |
 8+25       5.1612     16.71  |       V |     Q    |          |          |
 8+30       5.2767     16.76  |        V|     Q    |          |          |
 8+35       5.3939     17.02  |        V|      Q   |          |          |
 8+40       5.5151     17.60  |        V|      Q   |          |          |
 8+45       5.6375     17.77  |        V|      Q   |          |          |
 8+50       5.7619     18.07  |        V|       Q  |          |          |
 8+55       5.8904     18.66  |         V       Q  |          |          |
 9+ 0       6.0203     18.86  |         V       Q  |          |          |
 9+ 5       6.1538     19.39  |         V        Q|          |          |
 9+10       6.2953     20.54  |         V         Q          |          |
 9+15       6.4393     20.92  |         |V        Q          |          |
 9+20       6.5861     21.31  |         |V        |Q         |          |
 9+25       6.7374     21.96  |         |V        |Q         |          |
 9+30       6.8902     22.19  |         |V        | Q        |          |
 9+35       7.0453     22.52  |         | V       | Q        |          |
 9+40       7.2047     23.14  |         | V       |  Q       |          |
 9+45       7.3655     23.35  |         | V       |  Q       |          |
 9+50       7.5284     23.66  |         | V       |  Q       |          |
 9+55       7.6956     24.27  |         |  V      |   Q      |          |
10+ 0       7.8641     24.47  |         |  V      |   Q      |          |
10+ 5       8.0227     23.03  |         |  V      |  Q       |          |
10+10       8.1554     19.28  |         |   V    Q|          |          |
10+15       8.2800     18.09  |         |   V   Q |          |          |
10+20       8.4010     17.56  |         |   V  Q  |          |          |
10+25       8.5199     17.27  |         |   V  Q  |          |          |
10+30       8.6375     17.07  |         |   V  Q  |          |          |
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10+35       8.7617     18.05  |          |    V  Q |          |          |
10+40       8.9040     20.65  |          |    V    Q          |          |
10+45       9.0522     21.52  |          |    V    |Q         |          |
10+50       9.2031     21.91  |          |    V    |Q         |          |
10+55       9.3555     22.13  |          |     V   | Q        |          |
11+ 0       9.5089     22.27  |          |     V   | Q        |          |
11+ 5       9.6614     22.14  |          |     V   | Q        |          |
11+10       9.8107     21.68  |          |     V   |Q         |          |
11+15       9.9588     21.51  |          |      V  |Q         |          |
11+20      10.1064     21.43  |          |      V  |Q         |          |
11+25      10.2536     21.38  |          |      V  |Q         |          |
11+30      10.4007     21.35  |          |      V  |Q         |          |
11+35      10.5446     20.90  |          |       V Q          |          |
11+40      10.6809     19.79  |          |       VQ|          |          |
11+45      10.8149     19.45  |          |       VQ|          |          |
11+50      10.9492     19.51  |          |       VQ|          |          |
11+55      11.0867     19.96  |          |        Q|          |          |
12+ 0      11.2250     20.08  |          |        VQ          |          |
12+ 5      11.3742     21.66  |          |        V|Q         |          |
12+10      11.5497     25.48  |          |        V|    Q     |          |
12+15      11.7338     26.73  |          |         V     Q    |          |
12+20      11.9233     27.51  |          |         V      Q   |          |
12+25      12.1187     28.38  |          |         V       Q  |          |
12+30      12.3167     28.75  |          |          |V      Q  |          |
12+35      12.5192     29.39  |          |          |V       Q|          |
12+40      12.7302     30.64  |          |          |V        Q          |
12+45      12.9438     31.02  |          |          | V       |Q         |
12+50      13.1601     31.41  |          |          | V       |Q         |
12+55      13.3809     32.06  |          |          |  V      | Q        |
13+ 0      13.6033     32.29  |          |          |  V      | Q        |
13+ 5      13.8341     33.51  |          |          |  V      |  Q       |
13+10      14.0844     36.34  |          |          |   V     |     Q    |
13+15      14.3411     37.28  |          |          |   V     |      Q   |
13+20      14.6011     37.75  |          |          |    V    |      Q   |
13+25      14.8631     38.04  |          |          |    V    |       Q  |
13+30      15.1264     38.24  |          |          |     V   |       Q  |
13+35      15.3736     35.89  |          |          |     V   |    Q     |
13+40      15.5791     29.84  |          |          |     V  Q|          |
13+45      15.7711     27.89  |          |          |      Q  |          |
13+50      15.9571     27.01  |          |          |      Q  |          |
13+55      16.1397     26.51  |          |          |     QV  |          |
14+ 0      16.3201     26.19  |          |          |     Q V |          |
14+ 5      16.5051     26.87  |          |          |     Q V |          |
14+10      16.7039     28.86  |          |          |       Q |          |
14+15      16.9075     29.56  |          |          |        Q|          |
14+20      17.1117     29.65  |          |          |        Q|          |
14+25      17.3134     29.28  |          |          |        Q|          |
14+30      17.5147     29.23  |          |          |        QV          |
14+35      17.7159     29.22  |          |          |        QV          |
14+40      17.9173     29.24  |          |          |        QV          |
14+45      18.1184     29.21  |          |          |        Q|V         |
14+50      18.3180     28.97  |          |          |       Q |V         |
14+55      18.5136     28.41  |          |          |       Q |V         |
15+ 0      18.7081     28.24  |          |          |       Q | V        |
15+ 5      18.9005     27.94  |          |          |      Q  | V        |
15+10      19.0889     27.35  |          |          |      Q  | V        |
15+15      19.2759     27.15  |          |          |      Q  |  V       |
15+20      19.4607     26.83  |          |          |     Q   |  V       |
15+25      19.6413     26.23  |          |          |     Q   |  V       |
15+30      19.8206     26.03  |          |          |     Q   |   V      |
15+35      19.9931     25.05  |          |          |    Q    |   V      |
15+40      20.1503     22.82  |          |          | Q       |   V      |
15+45      20.3024     22.09  |          |          | Q       |    V     |
15+50      20.4523     21.76  |          |          |Q        |    V     |
15+55      20.6009     21.57  |          |          |Q        |    V     |
16+ 0      20.7486     21.46  |          |          |Q        |    V     |
16+ 5      20.8732     18.09  |          |        Q |         |    V     |
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16+10      20.9411      9.86  |         Q|          |          |     V    |
16+15      20.9912      7.26  |       Q  |          |          |     V    |
16+20      21.0331      6.08  |      Q   |          |          |     V    |
16+25      21.0704      5.42  |     Q    |          |          |     V    |
16+30      21.1048      5.00  |    Q     |          |          |     V    |
16+35      21.1359      4.51  |    Q     |          |          |     V    |
16+40      21.1615      3.72  |   Q      |          |          |     V    |
16+45      21.1860      3.55  |   Q      |          |          |     V    |
16+50      21.2099      3.47  |   Q      |          |          |     V    |
16+55      21.2335      3.43  |   Q      |          |          |     V    |
17+ 0      21.2570      3.40  |   Q      |          |          |     V    |
17+ 5      21.2833      3.82  |   Q      |          |          |     V    |
17+10      21.3170      4.89  |    Q     |          |          |     V    |
17+15      21.3531      5.24  |     Q    |          |          |     V    |
17+20      21.3903      5.40  |     Q    |          |          |     V    |
17+25      21.4280      5.49  |     Q    |          |          |     V    |
17+30      21.4662      5.54  |     Q    |          |          |      V   |
17+35      21.5046      5.58  |     Q    |          |          |      V   |
17+40      21.5433      5.61  |     Q    |          |          |      V   |
17+45      21.5819      5.61  |     Q    |          |          |      V   |
17+50      21.6190      5.39  |     Q    |          |          |      V   |
17+55      21.6524      4.85  |    Q     |          |          |      V   |
18+ 0      21.6846      4.67  |    Q     |          |          |      V   |
18+ 5      21.7163      4.59  |    Q     |          |          |      V   |
18+10      21.7476      4.55  |    Q     |          |          |      V   |
18+15      21.7787      4.52  |    Q     |          |          |      V   |
18+20      21.8098      4.50  |    Q     |          |          |      V   |
18+25      21.8407      4.49  |    Q     |          |          |      V   |
18+30      21.8716      4.49  |    Q     |          |          |      V   |
18+35      21.9010      4.27  |    Q     |          |          |      V   |
18+40      21.9266      3.72  |   Q      |          |          |      V   |
18+45      21.9511      3.55  |   Q      |          |          |      V   |
18+50      21.9735      3.25  |   Q      |          |          |      V   |
18+55      21.9919      2.66  |  Q       |          |          |      V   |
19+ 0      22.0088      2.46  |  Q       |          |          |      V   |
19+ 5      22.0266      2.59  |  Q       |          |          |      V   |
19+10      22.0478      3.07  |   Q      |          |          |       V  |
19+15      22.0699      3.22  |   Q      |          |          |       V  |
19+20      22.0940      3.50  |   Q      |          |          |       V  |
19+25      22.1220      4.07  |    Q     |          |          |       V  |
19+30      22.1514      4.27  |    Q     |          |          |       V  |
19+35      22.1800      4.15  |    Q     |          |          |       V  |
19+40      22.2052      3.66  |   Q      |          |          |       V  |
19+45      22.2294      3.52  |   Q      |          |          |       V  |
19+50      22.2517      3.24  |   Q      |          |          |       V  |
19+55      22.2701      2.66  |  Q       |          |          |       V  |
20+ 0      22.2870      2.46  |  Q       |          |          |       V  |
20+ 5      22.3049      2.59  |  Q       |          |          |       V  |
20+10      22.3260      3.07  |   Q      |          |          |       V  |
20+15      22.3481      3.22  |   Q      |          |          |       V  |
20+20      22.3707      3.28  |   Q      |          |          |       V  |
20+25      22.3935      3.30  |   Q      |          |          |       V  |
20+30      22.4164      3.33  |   Q      |          |          |       V  |
20+35      22.4395      3.35  |   Q      |          |          |       V  |
20+40      22.4627      3.37  |   Q      |          |          |       V  |
20+45      22.4859      3.37  |   Q      |          |          |       V  |
20+50      22.5075      3.15  |   Q      |          |          |       V  |
20+55      22.5255      2.60  |  Q       |          |          |       V  |
21+ 0      22.5422      2.43  |  Q       |          |          |       V  |
21+ 5      22.5599      2.57  |  Q       |          |          |       V  |
21+10      22.5810      3.07  |   Q      |          |          |       V  |
21+15      22.6032      3.22  |   Q      |          |          |       V  |
21+20      22.6242      3.06  |   Q      |          |          |        V |
21+25      22.6417      2.54  |  Q       |          |          |        V |
21+30      22.6582      2.40  |  Q       |          |          |        V |
21+35      22.6758      2.55  |  Q       |          |          |        V |
21+40      22.6970      3.07  |   Q      |          |          |        V |
```

21+45	22.7191	3.22	| Q	|	|	|	V|
21+50	22.7401	3.06	| Q	|	|	|	V|
21+55	22.7576	2.54	| Q	|	|	|	V|
22+ 0	22.7741	2.40	| Q	|	|	|	V|
22+ 5	22.7917	2.55	| Q	|	|	|	V|
22+10	22.8129	3.07	| Q	|	|	|	V|
22+15	22.8350	3.22	| Q	|	|	|	V|
22+20	22.8561	3.06	| Q	|	|	|	V|
22+25	22.8736	2.54	| Q	|	|	|	V|
22+30	22.8901	2.40	| Q	|	|	|	V|
22+35	22.9061	2.33	| Q	|	|	|	V|
22+40	22.9220	2.31	| Q	|	|	|	V|
22+45	22.9377	2.28	| Q	|	|	|	V|
22+50	22.9533	2.26	| Q	|	|	|	V|
22+55	22.9687	2.24	| Q	|	|	|	V|
23+ 0	22.9842	2.24	| Q	|	|	|	V|
23+ 5	22.9997	2.24	| Q	|	|	|	V|
23+10	23.0151	2.24	| Q	|	|	|	V|
23+15	23.0306	2.24	| Q	|	|	|	V|
23+20	23.0460	2.24	| Q	|	|	|	V|
23+25	23.0615	2.24	| Q	|	|	|	V|
23+30	23.0769	2.24	| Q	|	|	|	V|
23+35	23.0924	2.24	| Q	|	|	|	V|
23+40	23.1078	2.24	| Q	|	|	|	V|
23+45	23.1233	2.24	| Q	|	|	|	V|
23+50	23.1388	2.24	| Q	|	|	|	V|
23+55	23.1542	2.24	| Q	|	|	|	V|
24+ 0	23.1697	2.24	| Q	|	|	|	V|
24+ 5	23.1821	1.80	|Q	|	|	|	V|
24+10	23.1870	0.72	Q	|	|	|	V|
24+15	23.1896	0.37	Q	|	|	|	V|
24+20	23.1910	0.21	Q	|	|	|	V|
24+25	23.1919	0.12	Q	|	|	|	V|
24+30	23.1924	0.07	Q	|	|	|	V|
24+35	23.1926	0.03	Q	|	|	|	V|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRH1100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN H- PROPOSED UNIT HYDROGRAPH
100YR-1HR STORM

Drainage Area = 81.84(Ac.) = 0.128 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 81.84(Ac.) = 0.128 Sq. Mi.
Length along longest watercourse = 3201.00(Ft.)
Length along longest watercourse measured to centroid = 2135.00(Ft.)
Length along longest watercourse = 0.606 Mi.
Length along longest watercourse measured to centroid = 0.404 Mi.
Difference in elevation = 86.00(Ft.)
Slope along watercourse = 141.8557 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.082 Hr.
Lag time = 4.94 Min.
25% of lag time = 1.23 Min.
40% of lag time = 1.98 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	0.55	45.01

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	1.30	106.39

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 1.300(In)
Areal adjustment factor = 99.93 %
Adjusted average point rain = 1.299(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
81.840	62.80	0.826

Total Area Entered = 81.84(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      62.8  80.2      0.241     0.826        0.062       1.000      0.062
                                                          Sum (F) =   0.062
      Area averaged mean soil loss (F) (In/Hr) =  0.165
      Minimum soil loss rate ((In/Hr)) =  0.082
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.239
      ------------------------------------------------------------------
      Slope of intensity-duration curve for a 1 hour storm =0.5500
      ------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------
          1   0.083        101.249         19.584             16.153
          2   0.167        202.497         48.492             39.996
          3   0.250        303.746         15.449             12.742
          4   0.333        404.995          6.997              5.771
          5   0.417        506.243          3.925              3.238
          6   0.500        607.492          2.538              2.093
          7   0.583        708.740          1.561              1.287
          8   0.667        809.989          1.455              1.200
                                  Sum = 100.000   Sum=      82.479
----------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
   1   0.08     3.30      0.514       (  0.165)       0.123        0.391
   2   0.17     4.20      0.655       (  0.165)       0.157        0.498
   3   0.25     4.40      0.686       (  0.165)       0.164        0.522
   4   0.33     4.80      0.748          0.165    (  0.179)        0.583
   5   0.42     5.20      0.811          0.165    (  0.194)        0.646
   6   0.50     6.20      0.966          0.165    (  0.231)        0.802
   7   0.58     6.80      1.060          0.165    (  0.254)        0.895
   8   0.67     8.80      1.372          0.165    (  0.328)        1.207
   9   0.75    13.90      2.167          0.165    (  0.518)        2.002
  10   0.83    31.40      4.895          0.165    (  1.171)        4.730
  11   0.92     7.20      1.122          0.165    (  0.268)        0.957
  12   1.00     3.80      0.592       (  0.165)       0.142        0.451
            (Loss Rate Not Used)
     Sum =     100.0                                   Sum =    13.7
       Flood volume = Effective rainfall      1.14(In)
        times area      81.8(Ac.)/[(In)/(Ft.)] =       7.8(Ac.Ft)
       Total soil loss =      0.16(In)
       Total soil loss =     1.082(Ac.Ft)
       Total rainfall =      1.30(In)
       Flood volume =      338768.5 Cubic Feet
       Total soil loss =       47148.0 Cubic Feet
       ------------------------------------------------------------------
        Peak flow rate of this hydrograph =    243.348(CFS)
       ------------------------------------------------------------------
       ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         1 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
       ------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

       ------------------------------------------------------------------
```

```
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       75.0     150.0     225.0     300.0
  ----------------------------------------------------------------------
    0+ 5       0.0436      6.32  Q         |         |         |         |
    0+10       0.2069     23.71  |V Q      |         |         |         |
    0+15       0.4366     33.36  | V Q     |         |         |         |
    0+20       0.7046     38.92  |  V Q    |         |         |         |
    0+25       1.0116     44.58  |    Q    |         |         |         |
    0+30       1.3675     51.68  |     QV  |         |         |         |
    0+35       1.7903     61.38  |       QV|         |         |         |
    0+40       2.2955     73.37  |        Q|V        |         |         |
    0+45       2.9930    101.27  |         |  Q V    |         |         |
    0+50       4.2494    182.43  |         |         |V  Q      |         |
    0+55       5.9254    243.35  |         |         |         V Q       |
    1+ 0       6.7866    125.05  |         |     Q   |         |   V     |
    1+ 5       7.2596     68.68  |        Q|         |         |      V  |
    1+10       7.4897     33.42  |   Q     |         |         |       V |
    1+15       7.6250     19.64  | Q       |         |         |        V|
    1+20       7.7073     11.96  |Q        |         |         |        V|
    1+25       7.7614      7.85  |Q        |         |         |        V|
    1+30       7.7733      1.73  Q         |         |         |        V|
    1+35       7.7771      0.54  Q         |         |         |        V|
  ----------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRH3100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN H- PROPOSED UNIT HYDROGRAPH
100YR-3HR STORM

Drainage Area = 81.84(Ac.) = 0.128 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 81.84(Ac.) = 0.128 Sq. Mi.
Length along longest watercourse = 3201.00(Ft.)
Length along longest watercourse measured to centroid = 2135.00(Ft.)
Length along longest watercourse = 0.606 Mi.
Length along longest watercourse measured to centroid = 0.404 Mi.
Difference in elevation = 86.00(Ft.)
Slope along watercourse = 141.8557 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.082 Hr.
Lag time = 4.94 Min.
25% of lag time = 1.23 Min.
40% of lag time = 1.98 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	1.10	90.02

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	2.00	163.68

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 2.000(In)
Areal adjustment factor = 99.96 %
Adjusted average point rain = 1.999(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
81.840	62.80	0.826

Total Area Entered = 81.84(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

62.8 80.2 0.241 0.826 0.062 1.000 0.062
Sum (F) = 0.062

Area averaged mean soil loss (F) (In/Hr) = 0.165
Minimum soil loss rate ((In/Hr)) = 0.082
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) = 0.239

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	101.249	19.584	16.153
2	0.167	202.497	48.492	39.996
3	0.250	303.746	15.449	12.742
4	0.333	404.995	6.997	5.771
5	0.417	506.243	3.925	3.238
6	0.500	607.492	2.538	2.093
7	0.583	708.740	1.561	1.287
8	0.667	809.989	1.455	1.200
		Sum = 100.000	Sum=	82.479

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	1.30	0.312	(0.165)		0.075	0.237
2	0.17	1.30	0.312	(0.165)		0.075	0.237
3	0.25	1.10	0.264	(0.165)		0.063	0.201
4	0.33	1.50	0.360	(0.165)		0.086	0.274
5	0.42	1.50	0.360	(0.165)		0.086	0.274
6	0.50	1.80	0.432	(0.165)		0.103	0.329
7	0.58	1.50	0.360	(0.165)		0.086	0.274
8	0.67	1.80	0.432	(0.165)		0.103	0.329
9	0.75	1.80	0.432	(0.165)		0.103	0.329
10	0.83	1.50	0.360	(0.165)		0.086	0.274
11	0.92	1.60	0.384	(0.165)		0.092	0.292
12	1.00	1.80	0.432	(0.165)		0.103	0.329
13	1.08	2.20	0.528	(0.165)		0.126	0.402
14	1.17	2.20	0.528	(0.165)		0.126	0.402
15	1.25	2.20	0.528	(0.165)		0.126	0.402
16	1.33	2.00	0.480	(0.165)		0.115	0.365
17	1.42	2.60	0.624	(0.165)		0.149	0.475
18	1.50	2.70	0.648	(0.165)		0.155	0.493
19	1.58	2.40	0.576	(0.165)		0.138	0.438
20	1.67	2.70	0.648	(0.165)		0.155	0.493
21	1.75	3.30	0.792	0.165	(	0.189)	0.627
22	1.83	3.10	0.744	0.165	(	0.178)	0.579
23	1.92	2.90	0.696	0.165	(	0.166)	0.531
24	2.00	3.00	0.720	0.165	(	0.172)	0.555
25	2.08	3.10	0.744	0.165	(	0.178)	0.579
26	2.17	4.20	1.008	0.165	(	0.241)	0.843
27	2.25	5.00	1.200	0.165	(	0.287)	1.035
28	2.33	3.50	0.840	0.165	(	0.201)	0.675
29	2.42	6.80	1.631	0.165	(	0.390)	1.467
30	2.50	7.30	1.751	0.165	(	0.419)	1.586
31	2.58	8.20	1.967	0.165	(	0.471)	1.802
32	2.67	5.90	1.415	0.165	(	0.339)	1.251
33	2.75	2.00	0.480	(0.165)		0.115	0.365

```
34   2.83     1.80      0.432       (  0.165)       0.103        0.329
35   2.92     1.80      0.432       (  0.165)       0.103        0.329
36   3.00     0.60      0.144       (  0.165)       0.034        0.110
            (Loss Rate Not Used)
   Sum =     100.0                                   Sum =    19.5
     Flood volume = Effective rainfall      1.63(In)
      times area      81.8(Ac.)/[(In)/(Ft.)] =      11.1(Ac.Ft)
     Total soil loss =      0.37(In)
     Total soil loss =     2.550(Ac.Ft)
     Total rainfall =      2.00(In)
     Flood volume =      482877.6 Cubic Feet
     Total soil loss =      111068.1 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =    127.164(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         3 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       50.0     100.0     150.0     200.0
-------------------------------------------------------------------------
  0+ 5       0.0264      3.83  Q         |         |         |         |
  0+10       0.1182     13.33  V Q       |         |         |         |
  0+15       0.2268     15.77  V  Q      |         |         |         |
  0+20       0.3429     16.85  |V Q      |         |         |         |
  0+25       0.4812     20.08  |V  Q     |         |         |         |
  0+30       0.6339     22.18  | V Q     |         |         |         |
  0+35       0.7999     24.10  | V Q     |         |         |         |
  0+40       0.9647     23.93  |  VQ     |         |         |         |
  0+45       1.1427     25.85  |   VQ    |         |         |         |
  0+50       1.3188     25.57  |   VQ    |         |         |         |
  0+55       1.4842     24.02  |   QV    |         |         |         |
  1+ 0       1.6549     24.77  |   QV    |         |         |         |
  1+ 5       1.8438     27.44  |    QV   |         |         |         |
  1+10       2.0557     30.76  |     QV  |         |         |         |
  1+15       2.2755     31.91  |     Q V |         |         |         |
  1+20       2.4947     31.83  |     Q  V|         |         |         |
  1+25       2.7179     32.41  |     Q  V|         |         |         |
  1+30       2.9716     36.84  |      Q  V         |         |         |
  1+35       3.2334     38.01  |      Q  |V        |         |         |
  1+40       3.4920     37.54  |      Q  | V       |         |         |
  1+45       3.7783     41.58  |       Q |  V      |         |         |
  1+50       4.1006     46.79  |        Q|   V     |         |         |
  1+55       4.4180     46.08  |        Q|    V    |         |         |
  2+ 0       4.7274     44.93  |       Q |      V  |         |         |
  2+ 5       5.0434     45.89  |        Q|       V |         |         |
  2+10       5.3965     51.27  |         Q        V|         |         |
  2+15       5.8466     65.36  |          |  Q      |V        |         |
  2+20       6.3343     70.80  |          |   Q     | V       |         |
  2+25       6.8383     73.18  |          |   Q     |   V     |         |
  2+30       7.5559    104.20  |          |         Q      V  |         |
  2+35       8.3943    121.74  |          |          |   Q     V        |
  2+40       9.2700    127.16  |          |          |    Q    |  V     |
  2+45       9.9353     96.59  |          |         Q|         |    V   |
  2+50      10.3250     56.59  |          |Q        |         |      V  |
  2+55      10.6156     42.19  |        Q |         |         |       V |
  3+ 0      10.8418     32.84  |      Q   |         |         |        V|
  3+ 5      10.9692     18.50  |  Q       |         |         |        V|
  3+10      11.0304      8.90  |Q         |         |         |        V|
  3+15      11.0604      4.36  Q          |         |         |        V|
  3+20      11.0735      1.90  Q          |         |         |        V|
  3+25      11.0808      1.05  Q          |         |         |        V|
  3+30      11.0844      0.54  Q          |         |         |        V|
  3+35      11.0853      0.13  Q          |         |         |         V
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRH6100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN H- PROPOSED UNIT HYDROGRAPH
100YR-6HR STORM

Drainage Area = 81.84(Ac.) = 0.128 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 81.84(Ac.) = 0.128 Sq. Mi.
Length along longest watercourse = 3201.00(Ft.)
Length along longest watercourse measured to centroid = 2135.00(Ft.)
Length along longest watercourse = 0.606 Mi.
Length along longest watercourse measured to centroid = 0.404 Mi.
Difference in elevation = 86.00(Ft.)
Slope along watercourse = 141.8557 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.082 Hr.
Lag time = 4.94 Min.
25% of lag time = 1.23 Min.
40% of lag time = 1.98 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	1.60	130.94

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	3.00	245.52

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 3.000(In)
Areal adjustment factor = 99.97 %
Adjusted average point rain = 2.999(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
81.840	62.80	0.826

Total Area Entered = 81.84(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

62.8 80.2 0.241 0.826 0.062 1.000 0.062
Sum (F) = 0.062

Area averaged mean soil loss (F) (In/Hr) = 0.165
Minimum soil loss rate ((In/Hr)) = 0.082
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) = 0.239

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	101.249	19.584	16.153
2	0.167	202.497	48.492	39.996
3	0.250	303.746	15.449	12.742
4	0.333	404.995	6.997	5.771
5	0.417	506.243	3.925	3.238
6	0.500	607.492	2.538	2.093
7	0.583	708.740	1.561	1.287
8	0.667	809.989	1.455	1.200
		Sum = 100.000	Sum=	82.479

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.180	(0.165)	0.043	0.137
2	0.17	0.60	0.216	(0.165)	0.052	0.164
3	0.25	0.60	0.216	(0.165)	0.052	0.164
4	0.33	0.60	0.216	(0.165)	0.052	0.164
5	0.42	0.60	0.216	(0.165)	0.052	0.164
6	0.50	0.70	0.252	(0.165)	0.060	0.192
7	0.58	0.70	0.252	(0.165)	0.060	0.192
8	0.67	0.70	0.252	(0.165)	0.060	0.192
9	0.75	0.70	0.252	(0.165)	0.060	0.192
10	0.83	0.70	0.252	(0.165)	0.060	0.192
11	0.92	0.70	0.252	(0.165)	0.060	0.192
12	1.00	0.80	0.288	(0.165)	0.069	0.219
13	1.08	0.80	0.288	(0.165)	0.069	0.219
14	1.17	0.80	0.288	(0.165)	0.069	0.219
15	1.25	0.80	0.288	(0.165)	0.069	0.219
16	1.33	0.80	0.288	(0.165)	0.069	0.219
17	1.42	0.80	0.288	(0.165)	0.069	0.219
18	1.50	0.80	0.288	(0.165)	0.069	0.219
19	1.58	0.80	0.288	(0.165)	0.069	0.219
20	1.67	0.80	0.288	(0.165)	0.069	0.219
21	1.75	0.80	0.288	(0.165)	0.069	0.219
22	1.83	0.80	0.288	(0.165)	0.069	0.219
23	1.92	0.80	0.288	(0.165)	0.069	0.219
24	2.00	0.90	0.324	(0.165)	0.077	0.246
25	2.08	0.80	0.288	(0.165)	0.069	0.219
26	2.17	0.90	0.324	(0.165)	0.077	0.246
27	2.25	0.90	0.324	(0.165)	0.077	0.246
28	2.33	0.90	0.324	(0.165)	0.077	0.246
29	2.42	0.90	0.324	(0.165)	0.077	0.246
30	2.50	0.90	0.324	(0.165)	0.077	0.246
31	2.58	0.90	0.324	(0.165)	0.077	0.246
32	2.67	0.90	0.324	(0.165)	0.077	0.246
33	2.75	1.00	0.360	(0.165)	0.086	0.274

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34   2.83     1.00      0.360       (  0.165)       0.086        0.274
35   2.92     1.00      0.360       (  0.165)       0.086        0.274
36   3.00     1.00      0.360       (  0.165)       0.086        0.274
37   3.08     1.00      0.360       (  0.165)       0.086        0.274
38   3.17     1.10      0.396       (  0.165)       0.095        0.301
39   3.25     1.10      0.396       (  0.165)       0.095        0.301
40   3.33     1.10      0.396       (  0.165)       0.095        0.301
41   3.42     1.20      0.432       (  0.165)       0.103        0.329
42   3.50     1.30      0.468       (  0.165)       0.112        0.356
43   3.58     1.40      0.504       (  0.165)       0.121        0.383
44   3.67     1.40      0.504       (  0.165)       0.121        0.383
45   3.75     1.50      0.540       (  0.165)       0.129        0.411
46   3.83     1.50      0.540       (  0.165)       0.129        0.411
47   3.92     1.60      0.576       (  0.165)       0.138        0.438
48   4.00     1.60      0.576       (  0.165)       0.138        0.438
49   4.08     1.70      0.612       (  0.165)       0.146        0.465
50   4.17     1.80      0.648       (  0.165)       0.155        0.493
51   4.25     1.90      0.684       (  0.165)       0.164        0.520
52   4.33     2.00      0.720          0.165    (  0.172)       0.555
53   4.42     2.10      0.756          0.165    (  0.181)       0.591
54   4.50     2.10      0.756          0.165    (  0.181)       0.591
55   4.58     2.20      0.792          0.165    (  0.189)       0.627
56   4.67     2.30      0.828          0.165    (  0.198)       0.663
57   4.75     2.40      0.864          0.165    (  0.207)       0.699
58   4.83     2.40      0.864          0.165    (  0.207)       0.699
59   4.92     2.50      0.900          0.165    (  0.215)       0.735
60   5.00     2.60      0.936          0.165    (  0.224)       0.771
61   5.08     3.10      1.116          0.165    (  0.267)       0.951
62   5.17     3.60      1.296          0.165    (  0.310)       1.131
63   5.25     3.90      1.404          0.165    (  0.336)       1.239
64   5.33     4.20      1.512          0.165    (  0.362)       1.347
65   5.42     4.70      1.692          0.165    (  0.405)       1.527
66   5.50     5.60      2.015          0.165    (  0.482)       1.851
67   5.58     1.90      0.684       (  0.165)       0.164        0.520
68   5.67     0.90      0.324       (  0.165)       0.077        0.246
69   5.75     0.60      0.216       (  0.165)       0.052        0.164
70   5.83     0.50      0.180       (  0.165)       0.043        0.137
71   5.92     0.30      0.108       (  0.165)       0.026        0.082
72   6.00     0.20      0.072       (  0.165)       0.017        0.055
            (Loss Rate Not Used)
   Sum =     100.0                                   Sum =    28.8
     Flood volume = Effective rainfall      2.40(In)
      times area      81.8(Ac.)/[(In)/(Ft.)] =      16.4(Ac.Ft)
     Total soil loss =      0.60(In)
     Total soil loss =     4.062(Ac.Ft)
     Total rainfall =      3.00(In)
     Flood volume =      714032.2 Cubic Feet
     Total soil loss =      176954.7 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =    122.848(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       50.0     100.0     150.0     200.0
-------------------------------------------------------------------------
  0+ 5       0.0152      2.21  Q        |         |         |         |
  0+10       0.0713      8.13  VQ       |         |         |         |
  0+15       0.1468     10.97  V Q      |         |         |         |
  0+20       0.2303     12.11  V Q      |         |         |         |
  0+25       0.3178     12.72  V Q      |         |         |         |
  0+30       0.4110     13.53  |VQ      |         |         |         |
  0+35       0.5134     14.86  |VQ      |         |         |         |
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0+40       0.6196     15.41  |V Q      |         |         |         |
0+45       0.7270     15.60  |V Q      |         |         |         |
0+50       0.8351     15.69  | VQ      |         |         |         |
0+55       0.9435     15.75  | VQ      |         |         |         |
1+ 0       1.0553     16.23  | VQ      |         |         |         |
1+ 5       1.1748     17.35  | VQ      |         |         |         |
1+10       1.2967     17.70  |  Q      |         |         |         |
1+15       1.4198     17.86  |  Q      |         |         |         |
1+20       1.5434     17.95  |  Q      |         |         |         |
1+25       1.6674     18.01  |  QV     |         |         |         |
1+30       1.7917     18.04  |  QV     |         |         |         |
1+35       1.9162     18.08  |  QV     |         |         |         |
1+40       2.0407     18.08  |  QV     |         |         |         |
1+45       2.1652     18.08  |  Q V    |         |         |         |
1+50       2.2896     18.08  |  Q V    |         |         |         |
1+55       2.4141     18.08  |  Q V    |         |         |         |
2+ 0       2.5417     18.52  |  Q  V   |         |         |         |
2+ 5       2.6737     19.17  |  Q  V   |         |         |         |
2+10       2.8037     18.87  |  Q  V   |         |         |         |
2+15       2.9398     19.77  |  Q   V  |         |         |         |
2+20       3.0779     20.05  |   Q  V  |         |         |         |
2+25       3.2169     20.18  |   Q  V  |         |         |         |
2+30       3.3563     20.25  |   Q   V |         |         |         |
2+35       3.4962     20.30  |   Q   V |         |         |         |
2+40       3.6360     20.30  |   Q   V |         |         |         |
2+45       3.7791     20.78  |   Q    V|         |         |         |
2+50       3.9297     21.87  |   Q    V|         |         |         |
2+55       4.0828     22.22  |   Q    V|         |         |         |
3+ 0       4.2369     22.38  |   Q     V         |         |         |
3+ 5       4.3917     22.47  |   Q     V         |         |         |
3+10       4.5499     22.97  |   Q     |V        |         |         |
3+15       4.7159     24.10  |   Q     |V        |         |         |
3+20       4.8845     24.48  |   Q     |V        |         |         |
3+25       5.0572     25.08  |    Q    | V       |         |         |
3+30       5.2412     26.71  |    Q    | V       |         |         |
3+35       5.4385     28.65  |    Q    |  V      |         |         |
3+40       5.6472     30.29  |     Q   |  V      |         |         |
3+45       5.8632     31.36  |     Q   |   V     |         |         |
3+50       6.0888     32.76  |     Q   |   V     |         |         |
3+55       6.3212     33.74  |     Q   |    V    |         |         |
4+ 0       6.5630     35.12  |      Q  |     V   |         |         |
4+ 5       6.8114     36.06  |      Q  |     V   |         |         |
4+10       7.0721     37.85  |      Q  |      V  |         |         |
4+15       7.3466     39.86  |      Q  |      V  |         |         |
4+20       7.6367     42.12  |       Q |       V |         |         |
4+25       7.9446     44.72  |       Q |        V|         |         |
4+30       8.2679     46.94  |        Q|         V         |         |
4+35       8.6009     48.36  |        Q|         V         |         |
4+40       8.9509     50.82  |         Q         |V        |         |
4+45       9.3198     53.56  |         Q         | V       |         |
4+50       9.7043     55.82  |         |Q        |  V      |         |
4+55      10.0987     57.28  |         |Q        |   V     |         |
5+ 0      10.5102     59.74  |         |Q        |    V    |         |
5+ 5      10.9564     64.79  |         | Q       |     V   |         |
5+10      11.4779     75.73  |         |    Q    |       V |         |
5+15      12.0797     87.38  |         |      Q  |        V|         |
5+20      12.7478     97.01  |         |        Q|         |V        |
5+25      13.4872    107.36  |         |         |Q        | V       |
5+30      14.3333    122.85  |         |         |   Q     |   V     |
5+35      15.1475    118.23  |         |         |  Q      |     V   |
5+40      15.6073     66.76  |         |  Q      |         |       V |
5+45      15.8866     40.55  |       Q |         |         |       V |
5+50      16.0749     27.34  |    Q    |         |         |        V|
5+55      16.2090     19.47  |  Q      |         |         |        V|
6+ 0      16.2983     12.97  | Q       |         |         |        V|
6+ 5      16.3532      7.97  |Q        |         |         |        V|
6+10      16.3732      2.90  Q         |         |         |        V|
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    6+15      16.3827      1.38  Q         |         |         |        V|
    6+20      16.3877      0.72  Q         |         |         |        V|
    6+25      16.3903      0.38  Q         |         |         |        V|
    6+30      16.3915      0.17  Q         |         |         |        V|
    6+35      16.3919      0.07  Q         |         |         |         V
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRH24100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN H- PROPOSED UNIT HYDROGRAPH
100YR-24HR STORM

Drainage Area = 81.84(Ac.) = 0.128 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 81.84(Ac.) = 0.128 Sq. Mi.
Length along longest watercourse = 3201.00(Ft.)
Length along longest watercourse measured to centroid = 2135.00(Ft.)
Length along longest watercourse = 0.606 Mi.
Length along longest watercourse measured to centroid = 0.404 Mi.
Difference in elevation = 86.00(Ft.)
Slope along watercourse = 141.8557 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.082 Hr.
Lag time = 4.94 Min.
25% of lag time = 1.23 Min.
40% of lag time = 1.98 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	2.70	220.97

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	7.00	572.88

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 7.000(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 6.999(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
81.840	62.80	0.826

Total Area Entered = 81.84(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      62.8  80.2      0.241     0.826        0.062       1.000      0.062
                                                          Sum (F) =   0.062
      Area averaged mean soil loss (F) (In/Hr) =  0.165
      Minimum soil loss rate ((In/Hr)) =  0.082
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.239
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        101.249         19.584             16.153
          2   0.167        202.497         48.492             39.996
          3   0.250        303.746         15.449             12.742
          4   0.333        404.995          6.997              5.771
          5   0.417        506.243          3.925              3.238
          6   0.500        607.492          2.538              2.093
          7   0.583        708.740          1.561              1.287
          8   0.667        809.989          1.455              1.200
                                   Sum = 100.000   Sum=       82.479
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.056	(0.292)	0.013	0.043
2	0.17	0.07	0.056	(0.291)	0.013	0.043
3	0.25	0.07	0.056	(0.290)	0.013	0.043
4	0.33	0.10	0.084	(0.289)	0.020	0.064
5	0.42	0.10	0.084	(0.288)	0.020	0.064
6	0.50	0.10	0.084	(0.287)	0.020	0.064
7	0.58	0.10	0.084	(0.286)	0.020	0.064
8	0.67	0.10	0.084	(0.284)	0.020	0.064
9	0.75	0.10	0.084	(0.283)	0.020	0.064
10	0.83	0.13	0.112	(0.282)	0.027	0.085
11	0.92	0.13	0.112	(0.281)	0.027	0.085
12	1.00	0.13	0.112	(0.280)	0.027	0.085
13	1.08	0.10	0.084	(0.279)	0.020	0.064
14	1.17	0.10	0.084	(0.278)	0.020	0.064
15	1.25	0.10	0.084	(0.277)	0.020	0.064
16	1.33	0.10	0.084	(0.276)	0.020	0.064
17	1.42	0.10	0.084	(0.274)	0.020	0.064
18	1.50	0.10	0.084	(0.273)	0.020	0.064
19	1.58	0.10	0.084	(0.272)	0.020	0.064
20	1.67	0.10	0.084	(0.271)	0.020	0.064
21	1.75	0.10	0.084	(0.270)	0.020	0.064
22	1.83	0.13	0.112	(0.269)	0.027	0.085
23	1.92	0.13	0.112	(0.268)	0.027	0.085
24	2.00	0.13	0.112	(0.267)	0.027	0.085
25	2.08	0.13	0.112	(0.266)	0.027	0.085
26	2.17	0.13	0.112	(0.265)	0.027	0.085
27	2.25	0.13	0.112	(0.264)	0.027	0.085
28	2.33	0.13	0.112	(0.263)	0.027	0.085
29	2.42	0.13	0.112	(0.261)	0.027	0.085
30	2.50	0.13	0.112	(0.260)	0.027	0.085
31	2.58	0.17	0.140	(0.259)	0.033	0.106
32	2.67	0.17	0.140	(0.258)	0.033	0.106
33	2.75	0.17	0.140	(0.257)	0.033	0.106

34	2.83	0.17	0.140	(0.256)	0.033	0.106
35	2.92	0.17	0.140	(0.255)	0.033	0.106
36	3.00	0.17	0.140	(0.254)	0.033	0.106
37	3.08	0.17	0.140	(0.253)	0.033	0.106
38	3.17	0.17	0.140	(0.252)	0.033	0.106
39	3.25	0.17	0.140	(0.251)	0.033	0.106
40	3.33	0.17	0.140	(0.250)	0.033	0.106
41	3.42	0.17	0.140	(0.249)	0.033	0.106
42	3.50	0.17	0.140	(0.248)	0.033	0.106
43	3.58	0.17	0.140	(0.247)	0.033	0.106
44	3.67	0.17	0.140	(0.246)	0.033	0.106
45	3.75	0.17	0.140	(0.245)	0.033	0.106
46	3.83	0.20	0.168	(0.244)	0.040	0.128
47	3.92	0.20	0.168	(0.243)	0.040	0.128
48	4.00	0.20	0.168	(0.242)	0.040	0.128
49	4.08	0.20	0.168	(0.241)	0.040	0.128
50	4.17	0.20	0.168	(0.240)	0.040	0.128
51	4.25	0.20	0.168	(0.239)	0.040	0.128
52	4.33	0.23	0.196	(0.237)	0.047	0.149
53	4.42	0.23	0.196	(0.236)	0.047	0.149
54	4.50	0.23	0.196	(0.235)	0.047	0.149
55	4.58	0.23	0.196	(0.234)	0.047	0.149
56	4.67	0.23	0.196	(0.233)	0.047	0.149
57	4.75	0.23	0.196	(0.232)	0.047	0.149
58	4.83	0.27	0.224	(0.231)	0.054	0.170
59	4.92	0.27	0.224	(0.230)	0.054	0.170
60	5.00	0.27	0.224	(0.229)	0.054	0.170
61	5.08	0.20	0.168	(0.228)	0.040	0.128
62	5.17	0.20	0.168	(0.227)	0.040	0.128
63	5.25	0.20	0.168	(0.226)	0.040	0.128
64	5.33	0.23	0.196	(0.225)	0.047	0.149
65	5.42	0.23	0.196	(0.224)	0.047	0.149
66	5.50	0.23	0.196	(0.223)	0.047	0.149
67	5.58	0.27	0.224	(0.223)	0.054	0.170
68	5.67	0.27	0.224	(0.222)	0.054	0.170
69	5.75	0.27	0.224	(0.221)	0.054	0.170
70	5.83	0.27	0.224	(0.220)	0.054	0.170
71	5.92	0.27	0.224	(0.219)	0.054	0.170
72	6.00	0.27	0.224	(0.218)	0.054	0.170
73	6.08	0.30	0.252	(0.217)	0.060	0.192
74	6.17	0.30	0.252	(0.216)	0.060	0.192
75	6.25	0.30	0.252	(0.215)	0.060	0.192
76	6.33	0.30	0.252	(0.214)	0.060	0.192
77	6.42	0.30	0.252	(0.213)	0.060	0.192
78	6.50	0.30	0.252	(0.212)	0.060	0.192
79	6.58	0.33	0.280	(0.211)	0.067	0.213
80	6.67	0.33	0.280	(0.210)	0.067	0.213
81	6.75	0.33	0.280	(0.209)	0.067	0.213
82	6.83	0.33	0.280	(0.208)	0.067	0.213
83	6.92	0.33	0.280	(0.207)	0.067	0.213
84	7.00	0.33	0.280	(0.206)	0.067	0.213
85	7.08	0.33	0.280	(0.205)	0.067	0.213
86	7.17	0.33	0.280	(0.204)	0.067	0.213
87	7.25	0.33	0.280	(0.203)	0.067	0.213
88	7.33	0.37	0.308	(0.202)	0.074	0.234
89	7.42	0.37	0.308	(0.202)	0.074	0.234
90	7.50	0.37	0.308	(0.201)	0.074	0.234
91	7.58	0.40	0.336	(0.200)	0.080	0.256
92	7.67	0.40	0.336	(0.199)	0.080	0.256
93	7.75	0.40	0.336	(0.198)	0.080	0.256
94	7.83	0.43	0.364	(0.197)	0.087	0.277
95	7.92	0.43	0.364	(0.196)	0.087	0.277
96	8.00	0.43	0.364	(0.195)	0.087	0.277
97	8.08	0.50	0.420	(0.194)	0.100	0.319
98	8.17	0.50	0.420	(0.193)	0.100	0.319
99	8.25	0.50	0.420	(0.192)	0.100	0.319
100	8.33	0.50	0.420	(0.192)	0.100	0.319

101	8.42	0.50	0.420	(0.191)	0.100	0.319
102	8.50	0.50	0.420	(0.190)	0.100	0.319
103	8.58	0.53	0.448	(0.189)	0.107	0.341
104	8.67	0.53	0.448	(0.188)	0.107	0.341
105	8.75	0.53	0.448	(0.187)	0.107	0.341
106	8.83	0.57	0.476	(0.186)	0.114	0.362
107	8.92	0.57	0.476	(0.185)	0.114	0.362
108	9.00	0.57	0.476	(0.184)	0.114	0.362
109	9.08	0.63	0.532	(0.184)	0.127	0.405
110	9.17	0.63	0.532	(0.183)	0.127	0.405
111	9.25	0.63	0.532	(0.182)	0.127	0.405
112	9.33	0.67	0.560	(0.181)	0.134	0.426
113	9.42	0.67	0.560	(0.180)	0.134	0.426
114	9.50	0.67	0.560	(0.179)	0.134	0.426
115	9.58	0.70	0.588	(0.178)	0.141	0.447
116	9.67	0.70	0.588	(0.178)	0.141	0.447
117	9.75	0.70	0.588	(0.177)	0.141	0.447
118	9.83	0.73	0.616	(0.176)	0.147	0.469
119	9.92	0.73	0.616	(0.175)	0.147	0.469
120	10.00	0.73	0.616	(0.174)	0.147	0.469
121	10.08	0.50	0.420	(0.173)	0.100	0.319
122	10.17	0.50	0.420	(0.172)	0.100	0.319
123	10.25	0.50	0.420	(0.172)	0.100	0.319
124	10.33	0.50	0.420	(0.171)	0.100	0.319
125	10.42	0.50	0.420	(0.170)	0.100	0.319
126	10.50	0.50	0.420	(0.169)	0.100	0.319
127	10.58	0.67	0.560	(0.168)	0.134	0.426
128	10.67	0.67	0.560	(0.167)	0.134	0.426
129	10.75	0.67	0.560	(0.167)	0.134	0.426
130	10.83	0.67	0.560	(0.166)	0.134	0.426
131	10.92	0.67	0.560	(0.165)	0.134	0.426
132	11.00	0.67	0.560	(0.164)	0.134	0.426
133	11.08	0.63	0.532	(0.163)	0.127	0.405
134	11.17	0.63	0.532	(0.163)	0.127	0.405
135	11.25	0.63	0.532	(0.162)	0.127	0.405
136	11.33	0.63	0.532	(0.161)	0.127	0.405
137	11.42	0.63	0.532	(0.160)	0.127	0.405
138	11.50	0.63	0.532	(0.159)	0.127	0.405
139	11.58	0.57	0.476	(0.159)	0.114	0.362
140	11.67	0.57	0.476	(0.158)	0.114	0.362
141	11.75	0.57	0.476	(0.157)	0.114	0.362
142	11.83	0.60	0.504	(0.156)	0.121	0.383
143	11.92	0.60	0.504	(0.155)	0.121	0.383
144	12.00	0.60	0.504	(0.155)	0.121	0.383
145	12.08	0.83	0.700	0.154	(0.167)	0.546
146	12.17	0.83	0.700	0.153	(0.167)	0.547
147	12.25	0.83	0.700	0.152	(0.167)	0.548
148	12.33	0.87	0.728	0.152	(0.174)	0.576
149	12.42	0.87	0.728	0.151	(0.174)	0.577
150	12.50	0.87	0.728	0.150	(0.174)	0.578
151	12.58	0.93	0.784	0.149	(0.188)	0.635
152	12.67	0.93	0.784	0.149	(0.188)	0.635
153	12.75	0.93	0.784	0.148	(0.188)	0.636
154	12.83	0.97	0.812	0.147	(0.194)	0.665
155	12.92	0.97	0.812	0.146	(0.194)	0.666
156	13.00	0.97	0.812	0.146	(0.194)	0.666
157	13.08	1.13	0.952	0.145	(0.228)	0.807
158	13.17	1.13	0.952	0.144	(0.228)	0.808
159	13.25	1.13	0.952	0.143	(0.228)	0.808
160	13.33	1.13	0.952	0.143	(0.228)	0.809
161	13.42	1.13	0.952	0.142	(0.228)	0.810
162	13.50	1.13	0.952	0.141	(0.228)	0.811
163	13.58	0.77	0.644	0.141	(0.154)	0.503
164	13.67	0.77	0.644	0.140	(0.154)	0.504
165	13.75	0.77	0.644	0.139	(0.154)	0.505
166	13.83	0.77	0.644	0.138	(0.154)	0.506
167	13.92	0.77	0.644	0.138	(0.154)	0.506

168	14.00	0.77	0.644	0.137	(	0.154)	0.507
169	14.08	0.90	0.756	0.136	(	0.181)	0.620
170	14.17	0.90	0.756	0.136	(	0.181)	0.620
171	14.25	0.90	0.756	0.135	(	0.181)	0.621
172	14.33	0.87	0.728	0.134	(	0.174)	0.594
173	14.42	0.87	0.728	0.133	(	0.174)	0.594
174	14.50	0.87	0.728	0.133	(	0.174)	0.595
175	14.58	0.87	0.728	0.132	(	0.174)	0.596
176	14.67	0.87	0.728	0.131	(	0.174)	0.596
177	14.75	0.87	0.728	0.131	(	0.174)	0.597
178	14.83	0.83	0.700	0.130	(	0.167)	0.570
179	14.92	0.83	0.700	0.129	(	0.167)	0.570
180	15.00	0.83	0.700	0.129	(	0.167)	0.571
181	15.08	0.80	0.672	0.128	(	0.161)	0.544
182	15.17	0.80	0.672	0.127	(	0.161)	0.544
183	15.25	0.80	0.672	0.127	(	0.161)	0.545
184	15.33	0.77	0.644	0.126	(	0.154)	0.518
185	15.42	0.77	0.644	0.126	(	0.154)	0.518
186	15.50	0.77	0.644	0.125	(	0.154)	0.519
187	15.58	0.63	0.532	0.124	(	0.127)	0.408
188	15.67	0.63	0.532	0.124	(	0.127)	0.408
189	15.75	0.63	0.532	0.123	(	0.127)	0.409
190	15.83	0.63	0.532	0.122	(	0.127)	0.410
191	15.92	0.63	0.532	0.122	(	0.127)	0.410
192	16.00	0.63	0.532	0.121	(	0.127)	0.411
193	16.08	0.13	0.112	(0.120)		0.027	0.085
194	16.17	0.13	0.112	(0.120)		0.027	0.085
195	16.25	0.13	0.112	(0.119)		0.027	0.085
196	16.33	0.13	0.112	(0.119)		0.027	0.085
197	16.42	0.13	0.112	(0.118)		0.027	0.085
198	16.50	0.13	0.112	(0.117)		0.027	0.085
199	16.58	0.10	0.084	(0.117)		0.020	0.064
200	16.67	0.10	0.084	(0.116)		0.020	0.064
201	16.75	0.10	0.084	(0.116)		0.020	0.064
202	16.83	0.10	0.084	(0.115)		0.020	0.064
203	16.92	0.10	0.084	(0.114)		0.020	0.064
204	17.00	0.10	0.084	(0.114)		0.020	0.064
205	17.08	0.17	0.140	(0.113)		0.033	0.106
206	17.17	0.17	0.140	(0.113)		0.033	0.106
207	17.25	0.17	0.140	(0.112)		0.033	0.106
208	17.33	0.17	0.140	(0.112)		0.033	0.106
209	17.42	0.17	0.140	(0.111)		0.033	0.106
210	17.50	0.17	0.140	(0.110)		0.033	0.106
211	17.58	0.17	0.140	(0.110)		0.033	0.106
212	17.67	0.17	0.140	(0.109)		0.033	0.106
213	17.75	0.17	0.140	(0.109)		0.033	0.106
214	17.83	0.13	0.112	(0.108)		0.027	0.085
215	17.92	0.13	0.112	(0.108)		0.027	0.085
216	18.00	0.13	0.112	(0.107)		0.027	0.085
217	18.08	0.13	0.112	(0.107)		0.027	0.085
218	18.17	0.13	0.112	(0.106)		0.027	0.085
219	18.25	0.13	0.112	(0.106)		0.027	0.085
220	18.33	0.13	0.112	(0.105)		0.027	0.085
221	18.42	0.13	0.112	(0.105)		0.027	0.085
222	18.50	0.13	0.112	(0.104)		0.027	0.085
223	18.58	0.10	0.084	(0.104)		0.020	0.064
224	18.67	0.10	0.084	(0.103)		0.020	0.064
225	18.75	0.10	0.084	(0.103)		0.020	0.064
226	18.83	0.07	0.056	(0.102)		0.013	0.043
227	18.92	0.07	0.056	(0.102)		0.013	0.043
228	19.00	0.07	0.056	(0.101)		0.013	0.043
229	19.08	0.10	0.084	(0.101)		0.020	0.064
230	19.17	0.10	0.084	(0.100)		0.020	0.064
231	19.25	0.10	0.084	(0.100)		0.020	0.064
232	19.33	0.13	0.112	(0.099)		0.027	0.085
233	19.42	0.13	0.112	(0.099)		0.027	0.085
234	19.50	0.13	0.112	(0.098)		0.027	0.085

235	19.58	0.10	0.084	(0.098)	0.020	0.064
236	19.67	0.10	0.084	(0.097)	0.020	0.064
237	19.75	0.10	0.084	(0.097)	0.020	0.064
238	19.83	0.07	0.056	(0.097)	0.013	0.043
239	19.92	0.07	0.056	(0.096)	0.013	0.043
240	20.00	0.07	0.056	(0.096)	0.013	0.043
241	20.08	0.10	0.084	(0.095)	0.020	0.064
242	20.17	0.10	0.084	(0.095)	0.020	0.064
243	20.25	0.10	0.084	(0.094)	0.020	0.064
244	20.33	0.10	0.084	(0.094)	0.020	0.064
245	20.42	0.10	0.084	(0.094)	0.020	0.064
246	20.50	0.10	0.084	(0.093)	0.020	0.064
247	20.58	0.10	0.084	(0.093)	0.020	0.064
248	20.67	0.10	0.084	(0.092)	0.020	0.064
249	20.75	0.10	0.084	(0.092)	0.020	0.064
250	20.83	0.07	0.056	(0.092)	0.013	0.043
251	20.92	0.07	0.056	(0.091)	0.013	0.043
252	21.00	0.07	0.056	(0.091)	0.013	0.043
253	21.08	0.10	0.084	(0.091)	0.020	0.064
254	21.17	0.10	0.084	(0.090)	0.020	0.064
255	21.25	0.10	0.084	(0.090)	0.020	0.064
256	21.33	0.07	0.056	(0.090)	0.013	0.043
257	21.42	0.07	0.056	(0.089)	0.013	0.043
258	21.50	0.07	0.056	(0.089)	0.013	0.043
259	21.58	0.10	0.084	(0.089)	0.020	0.064
260	21.67	0.10	0.084	(0.088)	0.020	0.064
261	21.75	0.10	0.084	(0.088)	0.020	0.064
262	21.83	0.07	0.056	(0.088)	0.013	0.043
263	21.92	0.07	0.056	(0.087)	0.013	0.043
264	22.00	0.07	0.056	(0.087)	0.013	0.043
265	22.08	0.10	0.084	(0.087)	0.020	0.064
266	22.17	0.10	0.084	(0.086)	0.020	0.064
267	22.25	0.10	0.084	(0.086)	0.020	0.064
268	22.33	0.07	0.056	(0.086)	0.013	0.043
269	22.42	0.07	0.056	(0.086)	0.013	0.043
270	22.50	0.07	0.056	(0.085)	0.013	0.043
271	22.58	0.07	0.056	(0.085)	0.013	0.043
272	22.67	0.07	0.056	(0.085)	0.013	0.043
273	22.75	0.07	0.056	(0.085)	0.013	0.043
274	22.83	0.07	0.056	(0.084)	0.013	0.043
275	22.92	0.07	0.056	(0.084)	0.013	0.043
276	23.00	0.07	0.056	(0.084)	0.013	0.043
277	23.08	0.07	0.056	(0.084)	0.013	0.043
278	23.17	0.07	0.056	(0.084)	0.013	0.043
279	23.25	0.07	0.056	(0.084)	0.013	0.043
280	23.33	0.07	0.056	(0.083)	0.013	0.043
281	23.42	0.07	0.056	(0.083)	0.013	0.043
282	23.50	0.07	0.056	(0.083)	0.013	0.043
283	23.58	0.07	0.056	(0.083)	0.013	0.043
284	23.67	0.07	0.056	(0.083)	0.013	0.043
285	23.75	0.07	0.056	(0.083)	0.013	0.043
286	23.83	0.07	0.056	(0.083)	0.013	0.043
287	23.92	0.07	0.056	(0.083)	0.013	0.043
288	24.00	0.07	0.056	(0.082)	0.013	0.043

(Loss Rate Not Used)

Sum = 100.0 Sum = 65.6

Flood volume = Effective rainfall 5.47(In)
times area 81.8(Ac.)/[(In)/(Ft.)] = 37.3(Ac.Ft)
Total soil loss = 1.53(In)
Total soil loss = 10.460(Ac.Ft)
Total rainfall = 7.00(In)
Flood volume = 1623582.1 Cubic Feet
Total soil loss = 455639.9 Cubic Feet

Peak flow rate of this hydrograph = 66.457(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	17.5	35.0	52.5	70.0
0+ 5	0.0047	0.69	Q				
0+10	0.0212	2.39	VQ				
0+15	0.0414	2.94	VQ				
0+20	0.0657	3.53	V Q				
0+25	0.0968	4.52	V Q				
0+30	0.1304	4.88	V Q				
0+35	0.1652	5.06	V Q				
0+40	0.2009	5.18	V Q				
0+45	0.2368	5.22	V Q				
0+50	0.2753	5.59	V Q				
0+55	0.3199	6.47	V Q				
1+ 0	0.3663	6.74	V Q				
1+ 5	0.4112	6.52	V Q				
1+10	0.4507	5.74	V Q				
1+15	0.4887	5.51	V Q				
1+20	0.5260	5.41	V Q				
1+25	0.5629	5.37	V Q				
1+30	0.5996	5.33	V Q				
1+35	0.6361	5.30	V Q				
1+40	0.6724	5.27	V Q				
1+45	0.7087	5.27	V Q				
1+50	0.7474	5.62	V Q				
1+55	0.7920	6.47	V Q				
2+ 0	0.8384	6.74	V Q				
2+ 5	0.8857	6.86	V Q				
2+10	0.9334	6.93	|V Q				
2+15	0.9815	6.98	|V Q				
2+20	1.0297	7.00	|V Q				
2+25	1.0782	7.03	|V Q				
2+30	1.1266	7.03	|V Q				
2+35	1.1774	7.37	|V Q				
2+40	1.2340	8.23	|V Q				
2+45	1.2926	8.50	|V Q				
2+50	1.3519	8.62	|V Q				
2+55	1.4118	8.69	|V Q				
3+ 0	1.4719	8.74	|V Q				
3+ 5	1.5323	8.76	|V Q				
3+10	1.5928	8.79	|V Q				
3+15	1.6533	8.79	|V Q				
3+20	1.7139	8.79	|V Q				
3+25	1.7744	8.79	|V Q				
3+30	1.8349	8.79	|V Q				
3+35	1.8954	8.79	| V Q				
3+40	1.9560	8.79	| V Q				
3+45	2.0165	8.79	| V Q				
3+50	2.0794	9.13	| V Q				
3+55	2.1481	9.98	| V Q				
4+ 0	2.2188	10.26	| V Q				
4+ 5	2.2903	10.38	| V Q				
4+10	2.3622	10.45	| V Q				
4+15	2.4345	10.49	| V Q				
4+20	2.5093	10.86	| V Q				
4+25	2.5902	11.74	| V Q				
4+30	2.6729	12.01	| V Q				
4+35	2.7565	12.14	| V Q				
4+40	2.8406	12.21	| V Q				
4+45	2.9249	12.25	| V Q				
4+50	3.0119	12.62	| V Q				
4+55	3.1048	13.50	| V Q				

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 5+ 0       3.1997     13.77  |  V   Q  |          |          |          |
 5+ 5       3.2906     13.21  |  V   Q  |          |          |          |
 5+10       3.3703     11.57  |  V  Q   |          |          |          |
 5+15       3.4466     11.07  |  V  Q   |          |          |          |
 5+20       3.5237     11.20  |  V  Q   |          |          |          |
 5+25       3.6059     11.94  |  V  Q   |          |          |          |
 5+30       3.6894     12.12  |  V  Q   |          |          |          |
 5+35       3.7757     12.53  |   V  Q  |          |          |          |
 5+40       3.8680     13.40  |   V  Q  |          |          |          |
 5+45       3.9625     13.72  |   V  Q  |          |          |          |
 5+50       4.0580     13.87  |   V  Q  |          |          |          |
 5+55       4.1542     13.96  |   V  Q  |          |          |          |
 6+ 0       4.2506     14.01  |   V   Q |          |          |          |
 6+ 5       4.3497     14.38  |   V   Q |          |          |          |
 6+10       4.4548     15.26  |   V   Q |          |          |          |
 6+15       4.5617     15.53  |   V   Q |          |          |          |
 6+20       4.6695     15.65  |    V  Q |          |          |          |
 6+25       4.7778     15.72  |    V  Q |          |          |          |
 6+30       4.8863     15.77  |    V   Q|          |          |          |
 6+35       4.9975     16.14  |    V   Q|          |          |          |
 6+40       5.1147     17.02  |    V   Q|          |          |          |
 6+45       5.2337     17.29  |    V   Q|          |          |          |
 6+50       5.3536     17.41  |    V   Q|          |          |          |
 6+55       5.4740     17.48  |    V   Q|          |          |          |
 7+ 0       5.5947     17.52  |     V   Q          |          |          |
 7+ 5       5.7156     17.55  |     V   Q          |          |          |
 7+10       5.8366     17.58  |     V   Q          |          |          |
 7+15       5.9577     17.58  |     V   Q          |          |          |
 7+20       6.0811     17.92  |     V   Q          |          |          |
 7+25       6.2104     18.77  |     V   Q          |          |          |
 7+30       6.3415     19.04  |     V   Q          |          |          |
 7+35       6.4759     19.51  |     V   |Q         |          |          |
 7+40       6.6166     20.43  |      V  |Q         |          |          |
 7+45       6.7595     20.75  |      V  |Q         |          |          |
 7+50       6.9058     21.24  |      V  | Q        |          |          |
 7+55       7.0587     22.19  |      V  | Q        |          |          |
 8+ 0       7.2137     22.51  |      V  | Q        |          |          |
 8+ 5       7.3745     23.35  |      V  |  Q       |          |          |
 8+10       7.5476     25.14  |       V |   Q      |          |          |
 8+15       7.7248     25.73  |       V |   Q      |          |          |
 8+20       7.9039     26.01  |       V |   Q      |          |          |
 8+25       8.0842     26.17  |       V |   Q      |          |          |
 8+30       8.2650     26.26  |       V |    Q     |          |          |
 8+35       8.4486     26.66  |        V|    Q     |          |          |
 8+40       8.6384     27.56  |        V|    Q     |          |          |
 8+45       8.8301     27.83  |        V|    Q     |          |          |
 8+50       9.0250     28.30  |        V|     Q    |          |          |
 8+55       9.2263     29.22  |        V|     Q    |          |          |
 9+ 0       9.4297     29.54  |         V     Q    |          |          |
 9+ 5       9.6389     30.38  |         V      Q   |          |          |
 9+10       9.8605     32.18  |         V       Q  |          |          |
 9+15      10.0861     32.76  |         V       Q  |          |          |
 9+20      10.3160     33.38  |         |V       Q|          |          |
 9+25      10.5529     34.40  |         |V       Q|          |          |
 9+30      10.7923     34.76  |         |V       Q|          |          |
 9+35      11.0352     35.28  |         |V        Q          |          |
 9+40      11.2849     36.25  |         | V       Q          |          |
 9+45      11.5368     36.57  |         | V       Q          |          |
 9+50      11.7920     37.06  |         | V       |Q         |          |
 9+55      12.0538     38.01  |         | V       |Q         |          |
10+ 0      12.3177     38.33  |         |  V      |Q         |          |
10+ 5      12.5661     36.07  |         |  V      Q          |          |
10+10      12.7741     30.19  |         |  V   Q  |          |          |
10+15      12.9692     28.34  |         |  V  Q   |          |          |
10+20      13.1587     27.51  |         |   VQ    |          |          |
10+25      13.3450     27.05  |         |   VQ    |          |          |
10+30      13.5291     26.74  |         |   VQ    |          |          |
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10+35     13.7237    28.26  |         |   V Q   |         |         |
10+40     13.9465    32.35  |         |   V   Q |         |         |
10+45     14.1786    33.70  |         |    V   Q|         |         |
10+50     14.4150    34.32  |         |    V   Q|         |         |
10+55     14.6537    34.66  |         |    V   Q|         |         |
11+ 0     14.8940    34.89  |         |    V   Q|         |         |
11+ 5     15.1329    34.68  |         |     V  Q|         |         |
11+10     15.3667    33.96  |         |     V  Q|         |         |
11+15     15.5987    33.68  |         |     V  Q|         |         |
11+20     15.8299    33.56  |         |     V  Q|         |         |
11+25     16.0605    33.49  |         |      V Q|         |         |
11+30     16.2909    33.45  |         |      V Q|         |         |
11+35     16.5163    32.73  |         |      VQ |         |         |
11+40     16.7298    31.00  |         |      Q  |         |         |
11+45     16.9396    30.46  |         |      QV |         |         |
11+50     17.1500    30.56  |         |      QV |         |         |
11+55     17.3654    31.27  |         |      QV |         |         |
12+ 0     17.5820    31.45  |         |      QV |         |         |
12+ 5     17.8172    34.15  |         |        Q|         |         |
12+10     18.0974    40.69  |         |        V|  Q      |         |
12+15     18.3925    42.85  |         |        V|   Q     |         |
12+20     18.6977    44.32  |         |         V    Q    |         |
12+25     19.0149    46.05  |         |         V     Q   |         |
12+30     19.3372    46.81  |         |         V     Q   |         |
12+35     19.6688    48.14  |         |         |V     Q  |         |
12+40     20.0182    50.73  |         |         |V      Q |         |
12+45     20.3733    51.56  |         |         |V       Q|         |
12+50     20.7344    52.44  |         |         | V      Q|         |
12+55     21.1052    53.84  |         |         | V       Q         |
13+ 0     21.4797    54.37  |         |         |  V      |Q        |
13+ 5     21.8717    56.93  |         |         |  V      | Q       |
13+10     22.3039    62.75  |         |         |  V      |    Q    |
13+15     22.7491    64.65  |         |         |   V     |     Q   |
13+20     23.2006    65.56  |         |         |   V     |      Q  |
13+25     23.6559    66.10  |         |         |    V    |      Q  |
13+30     24.1136    66.46  |         |         |    V    |      Q  |
13+35     24.5387    61.72  |         |         |     V   |    Q    |
13+40     24.8804    49.62  |         |         |     V Q |         |
13+45     25.1956    45.76  |         |         |     QV  |         |
13+50     25.4989    44.04  |         |         |    Q V  |         |
13+55     25.7957    43.10  |         |         |   Q  V  |         |
14+ 0     26.0885    42.51  |         |         |   Q  V  |         |
14+ 5     26.3914    43.98  |         |         |    Q  V |         |
14+10     26.7231    48.15  |         |         |      QV |         |
14+15     27.0649    49.64  |         |         |       QV|         |
14+20     27.4085    49.89  |         |         |       QV|         |
14+25     27.7473    49.19  |         |         |       QV|         |
14+30     28.0856    49.12  |         |         |       Q V         |
14+35     28.4242    49.16  |         |         |       Q V         |
14+40     28.7635    49.26  |         |         |       Q V         |
14+45     29.1028    49.26  |         |         |       Q |V        |
14+50     29.4391    48.83  |         |         |      Q  |V        |
14+55     29.7678    47.73  |         |         |      Q  |V        |
15+ 0     30.0944    47.43  |         |         |      Q  | V       |
15+ 5     30.4172    46.87  |         |         |     Q   | V       |
15+10     30.7320    45.71  |         |         |     Q   | V       |
15+15     31.0444    45.35  |         |         |    Q    |  V      |
15+20     31.3526    44.76  |         |         |    Q    |  V      |
15+25     31.6526    43.56  |         |         |   Q     |  V      |
15+30     31.9502    43.20  |         |         |   Q     |   V     |
15+35     32.2342    41.25  |         |         |  Q      |   V     |
15+40     32.4870    36.70  |         |         Q         |   V     |
15+45     32.7298    35.26  |         |         Q         |    V    |
15+50     32.9683    34.63  |         |         Q|        |    V    |
15+55     33.2045    34.29  |         |         Q|        |    V    |
16+ 0     33.4394    34.10  |         |         Q|        |    V    |
16+ 5     33.6373    28.74  |         |     Q   |         |     V   |
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16+10      33.7447     15.59  |        Q |          |          |      V   |
16+15      33.8235     11.45  |      Q   |          |          |      V   |
16+20      33.8894      9.57  |     Q    |          |          |      V   |
16+25      33.9481      8.52  |   Q      |          |          |      V   |
16+30      34.0021      7.84  |   Q      |          |          |      V   |
16+35      34.0508      7.08  |   Q      |          |          |      V   |
16+40      34.0910      5.83  |  Q       |          |          |      V   |
16+45      34.1293      5.56  |  Q       |          |          |      V   |
16+50      34.1668      5.44  |  Q       |          |          |      V   |
16+55      34.2038      5.37  |  Q       |          |          |      V   |
17+ 0      34.2405      5.33  |  Q       |          |          |      V   |
17+ 5      34.2817      5.99  |  Q       |          |          |      V   |
17+10      34.3345      7.67  |   Q      |          |          |      V   |
17+15      34.3910      8.21  |   Q      |          |          |      V   |
17+20      34.4493      8.45  |   Q      |          |          |      V   |
17+25      34.5084      8.59  |   Q      |          |          |       V  |
17+30      34.5682      8.68  |   Q      |          |          |       V  |
17+35      34.6284      8.74  |   Q      |          |          |       V  |
17+40      34.6889      8.79  |    Q     |          |          |       V  |
17+45      34.7495      8.79  |    Q     |          |          |       V  |
17+50      34.8076      8.44  |   Q      |          |          |       V  |
17+55      34.8599      7.59  |   Q      |          |          |       V  |
18+ 0      34.9103      7.32  |   Q      |          |          |       V  |
18+ 5      34.9599      7.20  |   Q      |          |          |       V  |
18+10      35.0090      7.13  |   Q      |          |          |       V  |
18+15      35.0578      7.08  |   Q      |          |          |       V  |
18+20      35.1063      7.06  |   Q      |          |          |       V  |
18+25      35.1548      7.03  |   Q      |          |          |       V  |
18+30      35.2032      7.03  |   Q      |          |          |       V  |
18+35      35.2492      6.69  |  Q       |          |          |       V  |
18+40      35.2894      5.83  |  Q       |          |          |       V  |
18+45      35.3277      5.56  |  Q       |          |          |       V  |
18+50      35.3628      5.10  | Q        |          |          |       V  |
18+55      35.3916      4.17  | Q        |          |          |       V  |
19+ 0      35.4181      3.86  | Q        |          |          |        V |
19+ 5      35.4460      4.05  | Q        |          |          |        V |
19+10      35.4792      4.81  | Q        |          |          |        V |
19+15      35.5138      5.04  | Q        |          |          |        V |
19+20      35.5516      5.48  |  Q       |          |          |        V |
19+25      35.5954      6.37  |  Q       |          |          |        V |
19+30      35.6415      6.69  |  Q       |          |          |        V |
19+35      35.6862      6.49  |  Q       |          |          |        V |
19+40      35.7257      5.74  |  Q       |          |          |        V |
19+45      35.7637      5.51  |  Q       |          |          |        V |
19+50      35.7986      5.07  | Q        |          |          |        V |
19+55      35.8273      4.17  | Q        |          |          |        V |
20+ 0      35.8539      3.86  | Q        |          |          |        V |
20+ 5      35.8818      4.05  | Q        |          |          |        V |
20+10      35.9149      4.81  | Q        |          |          |        V |
20+15      35.9496      5.04  | Q        |          |          |        V |
20+20      35.9850      5.13  | Q        |          |          |        V |
20+25      36.0206      5.18  | Q        |          |          |        V |
20+30      36.0566      5.22  | Q        |          |          |        V |
20+35      36.0927      5.25  | Q        |          |          |        V |
20+40      36.1290      5.27  |  Q       |          |          |        V |
20+45      36.1653      5.27  |  Q       |          |          |        V |
20+50      36.1993      4.93  | Q        |          |          |        V |
20+55      36.2273      4.08  | Q        |          |          |        V |
21+ 0      36.2535      3.80  | Q        |          |          |        V |
21+ 5      36.2813      4.03  | Q        |          |          |        V |
21+10      36.3144      4.81  | Q        |          |          |        V |
21+15      36.3491      5.04  | Q        |          |          |         V|
21+20      36.3821      4.79  | Q        |          |          |         V|
21+25      36.4095      3.98  | Q        |          |          |         V|
21+30      36.4353      3.75  | Q        |          |          |         V|
21+35      36.4629      4.00  | Q        |          |          |         V|
21+40      36.4960      4.81  | Q        |          |          |         V|
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   21+45      36.5307      5.04  | Q       |         |         |        V|
   21+50      36.5636      4.79  | Q       |         |         |        V|
   21+55      36.5910      3.98  | Q       |         |         |        V|
   22+ 0      36.6169      3.75  | Q       |         |         |        V|
   22+ 5      36.6444      4.00  | Q       |         |         |        V|
   22+10      36.6775      4.81  | Q       |         |         |        V|
   22+15      36.7122      5.04  | Q       |         |         |        V|
   22+20      36.7452      4.79  | Q       |         |         |        V|
   22+25      36.7726      3.98  | Q       |         |         |        V|
   22+30      36.7984      3.75  | Q       |         |         |        V|
   22+35      36.8236      3.66  | Q       |         |         |        V|
   22+40      36.8485      3.61  | Q       |         |         |        V|
   22+45      36.8731      3.57  | Q       |         |         |        V|
   22+50      36.8975      3.54  | Q       |         |         |        V|
   22+55      36.9217      3.52  | Q       |         |         |        V|
   23+ 0      36.9459      3.52  | Q       |         |         |        V|
   23+ 5      36.9701      3.52  | Q       |         |         |        V|
   23+10      36.9943      3.52  | Q       |         |         |        V|
   23+15      37.0185      3.52  | Q       |         |         |        V|
   23+20      37.0427      3.52  | Q       |         |         |        V|
   23+25      37.0669      3.52  | Q       |         |         |        V|
   23+30      37.0911      3.52  | Q       |         |         |        V|
   23+35      37.1154      3.52  | Q       |         |         |        V|
   23+40      37.1396      3.52  | Q       |         |         |        V|
   23+45      37.1638      3.52  | Q       |         |         |        V|
   23+50      37.1880      3.52  | Q       |         |         |        V|
   23+55      37.2122      3.52  | Q       |         |         |        V|
   24+ 0      37.2364      3.52  | Q       |         |         |        V|
   24+ 5      37.2559      2.83  |Q        |         |         |        V|
   24+10      37.2636      1.12  Q         |         |         |        V|
   24+15      37.2676      0.58  Q         |         |         |        V|
   24+20      37.2699      0.33  Q         |         |         |        V|
   24+25      37.2712      0.20  Q         |         |         |        V|
   24+30      37.2720      0.11  Q         |         |         |        V|
   24+35      37.2723      0.05  Q         |         |         |         V
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ROUTING

DEPTH vs OUTFLOW CALCULATIONS

OUTFLOW VS DEPTH CALCULATIONS

			HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	WEIR	
		No. of Holes →	**8**	**8**	**2**	**0**	**0**	0	0	0	0	**1**	No. of Weir
			HOLE C	**HOLE C**	**HOLE C**	**HOLE C**	**HOLE C**	HOLE C	HOLE C	HOLE C	HOLE C	WEIR	
		Discharge Coefficient →	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	0.6	0.6	0.6	0.6	**3.33**	Weir Coefficient
			HOLE FL	**HOLE FL**	**HOLE FL**	**HOLE FL**	**HOLE FL**	HOLE FL	HOLE FL	HOLE FL	HOLE FL	DIST TO WEIR	
Distance of Holes from Basin Bottom (in)		→	**0.5**	**4**	**23**	**84**	**88**	92	96	100	104	**96**	Distance of Top of Weir from Basin Bottom (in)
			HOLE R	**HOLE R**	**HOLE R**	**HOLE R**	**HOLE R**	HOLE R	HOLE R	HOLE R	HOLE R	WEIR LENGTH FT	
		Rect. Height (in) →	**1**	**1**	**2**	**9**	**9**	2	2	2	2	**24.000**	**Riser Pipe Perimeter (ft) =8'X4' Riser Pipe- WEIR 1**
		Rect. Width (in) →	**1**	**1**	**6**	**24**	**72**	84	84	84	84		
			CEN EL	CEN EL	CEN EL	**CEN EL**	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	WEIR ELEV	
		Hole Centerline Elev (ft) →	1104.0833	1104.375	1106	1111.375	1111.708	1111.75	1112.083	1112.4167	1112.75	**1112.0**	Top of Riser Elevation (ft)
ELEV	DEPTH	OUTFLOW											
1104.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1105.00	1	0.47	0.26	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1106.00	2	0.71	0.37	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1107.00	3	1.69	0.46	0.43	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1108.00	4	2.17	0.53	0.51	1.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1109.00	5	2.56	0.59	0.58	1.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1110.00	6	2.89	0.65	0.63	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1111.00	7	3.19	0.70	0.69	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1112.00	8	3.46	0.75	0.74	1.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1113.00	9	83.63	0.80	0.79	2.12	0.00	0.00	0.00	0.00	0.00	0.00	79.92	
1114.00	10	229.99	0.84	0.83	2.27	0.00	0.00	0.00	0.00	0.00	0.00	226.05	
		↑										↑	
		[Σ FLOWS (HOLES+RISER)]				(OUTFLOW THROUGH HOLES)						(FLOW OVER TOP OF WEIR 1)	

Note:

Orifice outflow is based on:

1. $Q=CA(2gH)^{0.5}$
   where:
   C = Coefficient, 0.6 used here
   A = Orifice Area
   H = Headwater

Weir flow is based on:

2. $Q=CLH^{1.5}$
   where:
   C = Coefficient, 3.33 used here
   L = Weir Length, Grate Perimeter was used here
   H = Headwater

RIO VISTA DEVELOPMENT, TR 37074
BASIN H
With 16@ 1"x1", 2@2"X6" Rectangular Orifice

STORAGE CAPACITY CALCULATION

Elevation (ft)	Contour Interval (ft)	Accumulate Depth (ft)	Area (sqft)	Area (acres)	Mean Area (acres)	Volume (ac-ft)	$Volume_{accumulat}$ (ac-ft)	$Volume_{accumulat}$ (cu-yd)	*Qout (cfs)
1104.00			60700	1.39			**0.0**	0.0	**0.00**
1105.00	1.00	**1.00**	65319	1.50	1.45	1.45	**1.45**	2333.69	**0.47**
1106.00	1.00	**2.00**	70038	1.61	1.55	1.55	**3.00**	4840.30	**0.71**
1107.00	1.00	**3.00**	74859	1.72	1.66	1.66	**4.66**	7523.57	**1.69**
1108.00	1.00	**4.00**	79777	1.83	1.77	1.77	**6.44**	10387.20	**2.17**
1109.00	1.00	**5.00**	84813	1.95	1.89	1.89	**8.33**	13435.17	**2.56**
1110.00	1.00	**6.00**	89950	2.06	2.01	2.01	**10.33**	16671.52	**2.89**
1111.00	1.00	**7.00**	95231	2.19	2.13	2.13	**12.46**	20100.80	**3.19**
1112.00	1.00	**8.00**	100623	2.31	2.25	2.25	**14.71**	23727.72	**3.46**
1113.00	1.00	**9.00**	111841	2.57	2.44	2.44	**17.15**	27662.24	**83.63**
1114.00	**1.00 SPILLWAY**	**10.00**	**150975**	**3.47**	**3.02**	**3.02**	**20.16**	**32529.20**	**229.99**

*** SEE RATING CURVE**

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRH242.rte
**********HYDROGRAPH DATA**********
Number of intervals = 295
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 22.948 (CFS)
Total volume = 14.007 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN H- ROUTING
2YR-24HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 295
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.450	0.470	1.448	1.452
2.000	3.000	0.710	2.998	3.002
3.000	4.660	1.690	4.654	4.666
4.000	6.440	2.170	6.433	6.447
5.000	8.330	2.560	8.321	8.339
6.000	10.330	2.890	10.320	10.340
7.000	12.460	3.190	12.449	12.471
8.000	14.710	3.460	14.698	14.722
9.000	17.150	83.630	16.862	17.438

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 5.7 11.47 17.21 22.95 Depth (Ft.)
0.083	0.27	0.00	0.001	O | | | | 0.00

0.167	0.92	0.00	0.005	OI	|	|	|	0.00
0.250	1.13	0.00	0.012	OI	|	|	|	0.01
0.333	1.36	0.01	0.021	OI	|	|	|	0.01
0.417	1.74	0.01	0.031	O I	|	|	|	0.02
0.500	1.88	0.01	0.044	O I	|	|	|	0.03
0.583	1.95	0.02	0.057	O I	|	|	|	0.04
0.667	2.00	0.02	0.070	O I	|	|	|	0.05
0.750	2.01	0.03	0.084	O I	|	|	|	0.06
0.833	2.16	0.03	0.098	O I	|	|	|	0.07
0.917	2.50	0.04	0.114	O I	|	|	|	0.08
1.000	2.60	0.04	0.131	O I	|	|	|	0.09
1.083	2.51	0.05	0.148	O I	|	|	|	0.10
1.167	2.21	0.05	0.164	O I	|	|	|	0.11
1.250	2.13	0.06	0.179	O I	|	|	|	0.12
1.333	2.09	0.06	0.193	O I	|	|	|	0.13
1.417	2.07	0.07	0.207	O I	|	|	|	0.14
1.500	2.05	0.07	0.220	O I	|	|	|	0.15
1.583	2.04	0.08	0.234	O I	|	|	|	0.16
1.667	2.03	0.08	0.248	O I	|	|	|	0.17
1.750	2.03	0.08	0.261	O I	|	|	|	0.18
1.833	2.17	0.09	0.275	O I	|	|	|	0.19
1.917	2.50	0.09	0.290	O I	|	|	|	0.20
2.000	2.60	0.10	0.307	O I	|	|	|	0.21
2.083	2.65	0.11	0.325	O I	|	|	|	0.22
2.167	2.67	0.11	0.342	O I	|	|	|	0.24
2.250	2.69	0.12	0.360	O I	|	|	|	0.25
2.333	2.70	0.12	0.378	O I	|	|	|	0.26
2.417	2.71	0.13	0.395	O I	|	|	|	0.27
2.500	2.71	0.13	0.413	O I	|	|	|	0.28
2.583	2.84	0.14	0.431	O I	|	|	|	0.30
2.667	3.17	0.15	0.451	O I	|	|	|	0.31
2.750	3.28	0.15	0.472	O I	|	|	|	0.33
2.833	3.33	0.16	0.494	O I	|	|	|	0.34
2.917	3.35	0.17	0.516	O I	|	|	|	0.36
3.000	3.37	0.17	0.538	O I	|	|	|	0.37
3.083	3.38	0.18	0.560	O I	|	|	|	0.39
3.167	3.39	0.19	0.582	O I	|	|	|	0.40
3.250	3.39	0.20	0.604	O I	|	|	|	0.42
3.333	3.39	0.20	0.626	O I	|	|	|	0.43
3.417	3.39	0.21	0.648	O I	|	|	|	0.45
3.500	3.39	0.22	0.670	O I	|	|	|	0.46
3.583	3.39	0.22	0.691	O I	|	|	|	0.48
3.667	3.39	0.23	0.713	O I	|	|	|	0.49
3.750	3.39	0.24	0.735	O I	|	|	|	0.51
3.833	3.52	0.25	0.757	O I	|	|	|	0.52
3.917	3.85	0.25	0.781	O I	|	|	|	0.54
4.000	3.96	0.26	0.806	O I	|	|	|	0.56
4.083	4.00	0.27	0.831	O I	|	|	|	0.57
4.167	4.03	0.28	0.857	O I	|	|	|	0.59
4.250	4.05	0.29	0.883	O I	|	|	|	0.61
4.333	4.19	0.29	0.909	O I	|	|	|	0.63
4.417	4.53	0.30	0.937	O I	|	|	|	0.65
4.500	4.63	0.31	0.967	O I	|	|	|	0.67
4.583	4.68	0.32	0.997	O I	|	|	|	0.69
4.667	4.71	0.33	1.027	O I	|	|	|	0.71
4.750	4.73	0.34	1.057	O I	|	|	|	0.73
4.833	4.87	0.35	1.088	O I	|	|	|	0.75
4.917	5.21	0.36	1.120	O I	|	|	|	0.77
5.000	5.31	0.37	1.154	O I	|	|	|	0.80
5.083	5.09	0.38	1.187	O I	|	|	|	0.82
5.167	4.46	0.39	1.217	O I	|	|	|	0.84
5.250	4.27	0.40	1.244	O I	|	|	|	0.86
5.333	4.32	0.41	1.271	O I	|	|	|	0.88
5.417	4.60	0.42	1.299	O I	|	|	|	0.90
5.500	4.67	0.43	1.328	O I	|	|	|	0.92
5.583	4.83	0.44	1.358	O I	|	|	|	0.94
5.667	5.17	0.45	1.389	O I	|	|	|	0.96

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 5.750    5.29    0.46      1.422  O      I|       |       |       |     0.98
 5.833    5.35    0.47      1.455  O      I|       |       |       |     1.00
 5.917    5.39    0.48      1.489  O      I|       |       |       |     1.03
 6.000    5.40    0.48      1.523  O      I|       |       |       |     1.05
 6.083    5.55    0.49      1.557  O      I|       |       |       |     1.07
 6.167    5.89    0.49      1.593  O       I       |       |       |     1.09
 6.250    5.99    0.50      1.631  O       I       |       |       |     1.12
 6.333    6.04    0.50      1.669  O       I       |       |       |     1.14
 6.417    6.06    0.51      1.707  O       I       |       |       |     1.17
 6.500    6.08    0.52      1.745  O       I       |       |       |     1.19
 6.583    6.22    0.52      1.784  O       I       |       |       |     1.22
 6.667    6.56    0.53      1.824  O       |I      |       |       |     1.24
 6.750    6.67    0.53      1.866  O       |I      |       |       |     1.27
 6.833    6.72    0.54      1.909  O       |I      |       |       |     1.30
 6.917    6.74    0.55      1.951  O       |I      |       |       |     1.32
 7.000    6.76    0.55      1.994  O       |I      |       |       |     1.35
 7.083    6.77    0.56      2.037  O       |I      |       |       |     1.38
 7.167    6.78    0.57      2.080  O       |I      |       |       |     1.41
 7.250    6.78    0.57      2.122  O       |I      |       |       |     1.43
 7.333    6.91    0.58      2.165  O       |I      |       |       |     1.46
 7.417    7.24    0.59      2.210  O       | I     |       |       |     1.49
 7.500    7.35    0.59      2.256  O       | I     |       |       |     1.52
 7.583    7.53    0.60      2.303  O       | I     |       |       |     1.55
 7.667    7.88    0.61      2.352  O       | I     |       |       |     1.58
 7.750    8.00    0.62      2.403  O       |  I    |       |       |     1.61
 7.833    8.19    0.63      2.454  O       |  I    |       |       |     1.65
 7.917    8.56    0.63      2.508  O       |  I    |       |       |     1.68
 8.000    8.68    0.64      2.563  O       |   I   |       |       |     1.72
 8.083    9.00    0.65      2.619  O       |   I   |       |       |     1.75
 8.167    9.70    0.66      2.679  O       |    I  |       |       |     1.79
 8.250    9.93    0.67      2.742  O       |    I  |       |       |     1.83
 8.333   10.03    0.68      2.806  O       |    I  |       |       |     1.87
 8.417   10.09    0.69      2.871  O       |     I |       |       |     1.92
 8.500   10.13    0.70      2.935  O       |     I |       |       |     1.96
 8.583   10.28    0.71      3.001  O       |     I |       |       |     2.00
 8.667   10.63    0.75      3.068  |O      |     I |       |       |     2.04
 8.750   10.74    0.79      3.136  |O      |     I |       |       |     2.08
 8.833   10.92    0.83      3.205  |O      |      I|       |       |     2.12
 8.917   11.27    0.87      3.276  |O      |      I|       |       |     2.17
 9.000   11.39    0.92      3.348  |O      |      I|       |       |     2.21
 9.083   11.72    0.96      3.421  |O      |       I       |       |     2.25
 9.167   12.41    1.00      3.497  |O      |       |I      |       |     2.30
 9.250   12.64    1.05      3.576  |O      |       |I      |       |     2.35
 9.333   12.88    1.10      3.657  |O      |       |I      |       |     2.40
 9.417   13.27    1.15      3.739  |O      |       | I     |       |     2.45
 9.500   13.41    1.20      3.823  |O      |       | I     |       |     2.50
 9.583   13.61    1.25      3.907  |O      |       | I     |       |     2.55
 9.667   13.98    1.30      3.994  |O      |       |  I    |       |     2.60
 9.750   14.10    1.35      4.081  |O      |       |  I    |       |     2.65
 9.833   14.30    1.40      4.170  |O      |       |  I    |       |     2.70
 9.917   14.66    1.45      4.259  | O     |       |   I   |       |     2.76
10.000   14.78    1.51      4.351  | O     |       |   I   |       |     2.81
10.083   13.91    1.56      4.439  | O     |       |  I    |       |     2.87
10.167   11.65    1.60      4.516  | O     |       I       |       |     2.91
10.250   10.93    1.64      4.583  | O     |      I|       |       |     2.95
10.333   10.61    1.68      4.645  | O     |     I |       |       |     2.99
10.417   10.43    1.70      4.706  | O     |     I |       |       |     3.03
10.500   10.31    1.72      4.766  | O     |     I |       |       |     3.06
10.583   10.90    1.73      4.827  | O     |      I|       |       |     3.09
10.667   12.48    1.75      4.895  | O     |       |I      |       |     3.13
10.750   13.00    1.77      4.971  | O     |       | I     |       |     3.17
10.833   13.24    1.79      5.049  | O     |       | I     |       |     3.22
10.917   13.37    1.82      5.128  | O     |       | I     |       |     3.26
11.000   13.46    1.84      5.208  | O     |       | I     |       |     3.31
11.083   13.38    1.86      5.288  | O     |       | I     |       |     3.35
11.167   13.10    1.88      5.366  | O     |       | I     |       |     3.40
11.250   12.99    1.90      5.443  | O     |       | I     |       |     3.44
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11.333	12.95	1.92	5.519	O		I			3.48
11.417	12.92	1.94	5.595	O		I			3.53
11.500	12.90	1.96	5.670	O		I			3.57
11.583	12.63	1.98	5.744	O		I			3.61
11.667	11.96	2.00	5.815	O		I			3.65
11.750	11.75	2.02	5.883	O		I			3.69
11.833	11.79	2.04	5.950	O		I			3.72
11.917	12.06	2.06	6.018	O		I			3.76
12.000	12.13	2.07	6.087	O		I			3.80
12.083	13.09	2.09	6.160	O		I			3.84
12.167	15.40	2.12	6.243	O		I			3.89
12.250	16.15	2.14	6.337	O		I			3.94
12.333	16.62	2.17	6.435	O		I			4.00
12.417	17.15	2.19	6.537	O		I			4.05
12.500	17.37	2.21	6.640	O		I			4.11
12.583	17.76	2.23	6.746	O		I			4.16
12.667	18.51	2.26	6.855	O		I			4.22
12.750	18.74	2.28	6.968	O		I			4.28
12.833	18.98	2.30	7.082	O		I			4.34
12.917	19.37	2.33	7.198	O		I			4.40
13.000	19.51	2.35	7.316	O		I			4.46
13.083	20.24	2.38	7.437	O		I			4.53
13.167	21.93	2.40	7.565	O		I			4.60
13.250	22.47	2.43	7.702	O		I			4.67
13.333	22.72	2.46	7.840	O		I			4.74
13.417	22.86	2.49	7.980	O		I			4.82
13.500	22.95	2.52	8.121	O		I			4.89
13.583	21.54	2.54	8.257	O		I			4.96
13.667	17.97	2.57	8.375	O		I			5.02
13.750	16.82	2.58	8.477	O		I			5.07
13.833	16.30	2.60	8.573	O		I			5.12
13.917	16.01	2.62	8.667	O		I			5.17
14.000	15.82	2.63	8.758	O		I			5.21
14.083	16.23	2.65	8.850	O		I			5.26
14.167	17.44	2.66	8.948	O		I			5.31
14.250	17.86	2.68	9.051	O		I			5.36
14.333	17.91	2.70	9.156	O		I			5.41
14.417	17.69	2.71	9.260	O		I			5.46
14.500	17.66	2.73	9.363	O		I			5.52
14.583	17.65	2.75	9.466	O		I			5.57
14.667	17.66	2.76	9.568	O		I			5.62
14.750	17.65	2.78	9.671	O		I			5.67
14.833	17.50	2.80	9.773	O		I			5.72
14.917	17.17	2.81	9.873	O		I			5.77
15.000	17.06	2.83	9.971	O		I			5.82
15.083	16.88	2.85	10.068	O		I			5.87
15.167	16.52	2.86	10.164	O		I			5.92
15.250	16.40	2.88	10.257	O		I			5.96
15.333	16.21	2.89	10.350	O		I			6.01
15.417	15.85	2.91	10.440	O		I			6.05
15.500	15.72	2.92	10.529	O		I			6.09
15.583	15.14	2.93	10.615	O		I			6.13
15.667	13.78	2.94	10.694	O		I			6.17
15.750	13.35	2.95	10.768	O		I			6.21
15.833	13.15	2.96	10.838	O		I			6.24
15.917	13.03	2.97	10.908	O		I			6.27
16.000	12.96	2.98	10.977	O		I			6.30
16.083	10.93	2.99	11.039	O		I			6.33
16.167	5.96	3.00	11.076	O	I				6.35
16.250	4.39	**3.00**	**11.091**	**O I**					**6.36**
16.333	3.68	3.00	11.098	OI					6.36
16.417	3.28	3.00	11.102	O					6.36
16.500	3.02	3.00	11.103	O					6.36
16.583	2.73	3.00	11.102	IO					6.36
16.667	2.25	3.00	11.098	IO					6.36
16.750	2.15	3.00	11.093	I O					6.36
16.833	2.10	3.00	11.087	I O					6.36

16.917	2.07	3.00	11.081	I O				6.35
17.000	2.05	2.99	11.074	I O				6.35
17.083	2.31	2.99	11.069	IO				6.35
17.167	2.96	2.99	11.066	O				6.35
17.250	3.17	2.99	11.067	O				6.35
17.333	3.26	2.99	11.068	O				6.35
17.417	3.31	2.99	11.070	O				6.35
17.500	3.35	2.99	11.072	O				6.35
17.583	3.37	2.99	11.075	O				6.35
17.667	3.39	3.00	11.078	O				6.35
17.750	3.39	3.00	11.080	O				6.35
17.833	3.26	3.00	11.083	O				6.35
17.917	2.93	3.00	11.083	O				6.35
18.000	2.82	3.00	11.082	IO				6.35
18.083	2.78	3.00	11.081	IO				6.35
18.167	2.75	3.00	11.079	IO				6.35
18.250	2.73	3.00	11.078	IO				6.35
18.333	2.72	3.00	11.076	IO				6.35
18.417	2.71	2.99	11.074	IO				6.35
18.500	2.71	2.99	11.072	IO				6.35
18.583	2.58	2.99	11.070	IO				6.35
18.667	2.25	2.99	11.066	IO				6.35
18.750	2.15	2.99	11.060	I O				6.34
18.833	1.97	2.99	11.054	I O				6.34
18.917	1.61	2.99	11.045	I O				6.34
19.000	1.49	2.99	11.035	I O				6.33
19.083	1.56	2.99	11.025	I O				6.33
19.167	1.86	2.99	11.017	I O				6.32
19.250	1.94	2.99	11.009	I O				6.32
19.333	2.11	2.98	11.002	I O				6.32
19.417	2.46	2.98	10.998	IO				6.31
19.500	2.58	2.98	10.994	IO				6.31
19.583	2.50	2.98	10.991	IO				6.31
19.667	2.21	2.98	10.987	IO				6.31
19.750	2.13	2.98	10.982	I O				6.31
19.833	1.96	2.98	10.975	I O				6.30
19.917	1.61	2.98	10.967	I O				6.30
20.000	1.49	2.98	10.957	I O				6.29
20.083	1.56	2.98	10.947	I O				6.29
20.167	1.86	2.98	10.938	I O				6.29
20.250	1.94	2.97	10.931	I O				6.28
20.333	1.98	2.97	10.924	I O				6.28
20.417	2.00	2.97	10.917	I O				6.28
20.500	2.01	2.97	10.910	I O				6.27
20.583	2.02	2.97	10.904	I O				6.27
20.667	2.03	2.97	10.897	I O				6.27
20.750	2.03	2.97	10.891	I O				6.26
20.833	1.90	2.97	10.884	I O				6.26
20.917	1.57	2.97	10.876	I O				6.26
21.000	1.47	2.97	10.866	I O				6.25
21.083	1.55	2.96	10.856	I O				6.25
21.167	1.86	2.96	10.847	I O				6.24
21.250	1.94	2.96	10.840	I O				6.24
21.333	1.85	2.96	10.832	I O				6.24
21.417	1.53	2.96	10.823	I O				6.23
21.500	1.45	2.96	10.813	I O				6.23
21.583	1.54	2.96	10.803	I O				6.22
21.667	1.86	2.96	10.795	I O				6.22
21.750	1.94	2.95	10.787	I O				6.21
21.833	1.85	2.95	10.780	I O				6.21
21.917	1.53	2.95	10.771	I O				6.21
22.000	1.45	2.95	10.761	I O				6.20
22.083	1.54	2.95	10.751	I O				6.20
22.167	1.86	2.95	10.743	I O				6.19
22.250	1.94	2.95	10.735	I O				6.19
22.333	1.85	2.95	10.728	I O				6.19
22.417	1.53	2.94	10.720	I O				6.18

22.500	1.45	2.94	10.710	| I O	|	|	|	6.18
22.583	1.41	2.94	10.699	|I O	|	|	|	6.17
22.667	1.39	2.94	10.689	|I O	|	|	|	6.17
22.750	1.38	2.94	10.678	|I O	|	|	|	6.16
22.833	1.37	2.94	10.667	|I O	|	|	|	6.16
22.917	1.36	2.94	10.656	|I O	|	|	|	6.15
23.000	1.36	2.93	10.645	|I O	|	|	|	6.15
23.083	1.36	2.93	10.634	|I O	|	|	|	6.14
23.167	1.36	2.93	10.624	|I O	|	|	|	6.14
23.250	1.36	2.93	10.613	|I O	|	|	|	6.13
23.333	1.36	2.93	10.602	|I O	|	|	|	6.13
23.417	1.36	2.93	10.591	|I O	|	|	|	6.12
23.500	1.36	2.93	10.580	|I O	|	|	|	6.12
23.583	1.36	2.92	10.569	|I O	|	|	|	6.11
23.667	1.36	2.92	10.559	|I O	|	|	|	6.11
23.750	1.36	2.92	10.548	|I O	|	|	|	6.10
23.833	1.36	2.92	10.537	|I O	|	|	|	6.10
23.917	1.36	2.92	10.526	|I O	|	|	|	6.09
24.000	1.36	2.92	10.516	|I O	|	|	|	6.09
24.083	1.09	2.91	10.504	|I O	|	|	|	6.08
24.167	0.43	2.91	10.489	I O	|	|	|	6.07
24.250	0.22	2.91	10.471	I O	|	|	|	6.07
24.333	0.13	2.91	10.453	I O	|	|	|	6.06
24.417	0.08	2.90	10.433	I O	|	|	|	6.05
24.500	0.04	2.90	10.414	I O	|	|	|	6.04
24.583	0.02	2.90	10.394	I O	|	|	|	6.03
24.667	0.00	2.90	10.374	I O	|	|	|	6.02
24.750	0.00	2.89	10.354	I O	|	|	|	6.01
24.833	0.00	2.89	10.334	I O	|	|	|	6.00
24.917	0.00	2.89	10.314	I O	|	|	|	5.99
25.000	0.00	2.88	10.294	I O	|	|	|	5.98
25.083	0.00	2.88	10.274	I O	|	|	|	5.97
25.167	0.00	2.88	10.255	I O	|	|	|	5.96
25.250	0.00	2.87	10.235	I O	|	|	|	5.95
25.333	0.00	2.87	10.215	I O	|	|	|	5.94
25.417	0.00	2.87	10.195	I O	|	|	|	5.93
25.500	0.00	2.86	10.176	I O	|	|	|	5.92
25.583	0.00	2.86	10.156	I O	|	|	|	5.91
25.667	0.00	2.86	10.136	I O	|	|	|	5.90
25.750	0.00	2.85	10.116	I O	|	|	|	5.89
25.833	0.00	2.85	10.097	I O	|	|	|	5.88
25.917	0.00	2.85	10.077	I O	|	|	|	5.87
26.000	0.00	2.85	10.058	I O	|	|	|	5.86
26.083	0.00	2.84	10.038	I O	|	|	|	5.85
26.167	0.00	2.84	10.018	I O	|	|	|	5.84
26.250	0.00	2.84	9.999	I O	|	|	|	5.83
26.333	0.00	2.83	9.979	I O	|	|	|	5.82
26.417	0.00	2.83	9.960	I O	|	|	|	5.81
26.500	0.00	2.83	9.940	I O	|	|	|	5.81
26.583	0.00	2.82	9.921	I O	|	|	|	5.80
26.667	0.00	2.82	9.902	I O	|	|	|	5.79
26.750	0.00	2.82	9.882	I O	|	|	|	5.78
26.833	0.00	2.81	9.863	I O	|	|	|	5.77
26.917	0.00	2.81	9.843	I O	|	|	|	5.76
27.000	0.00	2.81	9.824	I O	|	|	|	5.75
27.083	0.00	2.80	9.805	I O	|	|	|	5.74
27.167	0.00	2.80	9.785	I O	|	|	|	5.73
27.250	0.00	2.80	9.766	I O	|	|	|	5.72
27.333	0.00	2.79	9.747	I O	|	|	|	5.71
27.417	0.00	2.79	9.728	I O	|	|	|	5.70
27.500	0.00	2.79	9.708	I O	|	|	|	5.69
27.583	0.00	2.78	9.689	I O	|	|	|	5.68
27.667	0.00	2.78	9.670	I O	|	|	|	5.67
27.750	0.00	2.78	9.651	I O	|	|	|	5.66
27.833	0.00	2.77	9.632	I O	|	|	|	5.65
27.917	0.00	2.77	9.613	I O	|	|	|	5.64
28.000	0.00	2.77	9.594	I O	|	|	|	5.63

28.083	0.00	2.77	9.575	I	O	|	|	|	|	5.62
28.167	0.00	2.76	9.556	I	O	|	|	|	|	5.61
28.250	0.00	2.76	9.537	I	O	|	|	|	|	5.60
28.333	0.00	2.76	9.518	I	O	|	|	|	|	5.59
28.417	0.00	2.75	9.499	I	O	|	|	|	|	5.58
28.500	0.00	2.75	9.480	I	O	|	|	|	|	5.57
28.583	0.00	2.75	9.461	I	O	|	|	|	|	5.57
28.667	0.00	2.74	9.442	I	O	|	|	|	|	5.56
28.750	0.00	2.74	9.423	I	O	|	|	|	|	5.55
28.833	0.00	2.74	9.404	I	O	|	|	|	|	5.54
28.917	0.00	2.73	9.385	I	O	|	|	|	|	5.53
29.000	0.00	2.73	9.366	I	O	|	|	|	|	5.52
29.083	0.00	2.73	9.348	I	O	|	|	|	|	5.51
29.167	0.00	2.72	9.329	I	O	|	|	|	|	5.50
29.250	0.00	2.72	9.310	I	O	|	|	|	|	5.49
29.333	0.00	2.72	9.291	I	O	|	|	|	|	5.48
29.417	0.00	2.72	9.273	I	O	|	|	|	|	5.47
29.500	0.00	2.71	9.254	I	O	|	|	|	|	5.46
29.583	0.00	2.71	9.235	I	O	|	|	|	|	5.45
29.667	0.00	2.71	9.217	I	O	|	|	|	|	5.44
29.750	0.00	2.70	9.198	I	O	|	|	|	|	5.43
29.833	0.00	2.70	9.179	I	O	|	|	|	|	5.42
29.917	0.00	2.70	9.161	I	O	|	|	|	|	5.42
30.000	0.00	2.69	9.142	I	O	|	|	|	|	5.41
30.083	0.00	2.69	9.124	I	O	|	|	|	|	5.40
30.167	0.00	2.69	9.105	I	O	|	|	|	|	5.39
30.250	0.00	2.68	9.087	I	O	|	|	|	|	5.38
30.333	0.00	2.68	9.068	I	O	|	|	|	|	5.37
30.417	0.00	2.68	9.050	I	O	|	|	|	|	5.36
30.500	0.00	2.68	9.031	I	O	|	|	|	|	5.35
30.583	0.00	2.67	9.013	I	O	|	|	|	|	5.34
30.667	0.00	2.67	8.995	I	O	|	|	|	|	5.33
30.750	0.00	2.67	8.976	I	O	|	|	|	|	5.32
30.833	0.00	2.66	8.958	I	O	|	|	|	|	5.31
30.917	0.00	2.66	8.939	I	O	|	|	|	|	5.30
31.000	0.00	2.66	8.921	I	O	|	|	|	|	5.30
31.083	0.00	2.65	8.903	I	O	|	|	|	|	5.29
31.167	0.00	2.65	8.885	I	O	|	|	|	|	5.28
31.250	0.00	2.65	8.866	I	O	|	|	|	|	5.27
31.333	0.00	2.65	8.848	I	O	|	|	|	|	5.26
31.417	0.00	2.64	8.830	I	O	|	|	|	|	5.25
31.500	0.00	2.64	8.812	I	O	|	|	|	|	5.24
31.583	0.00	2.64	8.794	I	O	|	|	|	|	5.23
31.667	0.00	2.63	8.775	I	O	|	|	|	|	5.22
31.750	0.00	2.63	8.757	I	O	|	|	|	|	5.21
31.833	0.00	2.63	8.739	I	O	|	|	|	|	5.20
31.917	0.00	2.62	8.721	I	O	|	|	|	|	5.20
32.000	0.00	2.62	8.703	I	O	|	|	|	|	5.19
32.083	0.00	2.62	8.685	I	O	|	|	|	|	5.18
32.167	0.00	2.62	8.667	I	O	|	|	|	|	5.17
32.250	0.00	2.61	8.649	I	O	|	|	|	|	5.16
32.333	0.00	2.61	8.631	I	O	|	|	|	|	5.15
32.417	0.00	2.61	8.613	I	O	|	|	|	|	5.14
32.500	0.00	2.60	8.595	I	O	|	|	|	|	5.13
32.583	0.00	2.60	8.577	I	O	|	|	|	|	5.12
32.667	0.00	2.60	8.559	I	O	|	|	|	|	5.11
32.750	0.00	2.59	8.541	I	O	|	|	|	|	5.11
32.833	0.00	2.59	8.523	I	O	|	|	|	|	5.10
32.917	0.00	2.59	8.506	I	O	|	|	|	|	5.09
33.000	0.00	2.59	8.488	I	O	|	|	|	|	5.08
33.083	0.00	2.58	8.470	I	O	|	|	|	|	5.07
33.167	0.00	2.58	8.452	I	O	|	|	|	|	5.06
33.250	0.00	2.58	8.434	I	O	|	|	|	|	5.05
33.333	0.00	2.57	8.417	I	O	|	|	|	|	5.04
33.417	0.00	2.57	8.399	I	O	|	|	|	|	5.03
33.500	0.00	2.57	8.381	I	O	|	|	|	|	5.03
33.583	0.00	2.57	8.364	I	O	|	|	|	|	5.02

33.667	0.00	2.56	8.346	I	O	|	|	|	|	5.01
33.750	0.00	2.56	8.328	I	O	|	|	|	|	5.00
33.833	0.00	2.56	8.311	I	O	|	|	|	|	4.99
33.917	0.00	2.55	8.293	I	O	|	|	|	|	4.98
34.000	0.00	2.55	8.276	I	O	|	|	|	|	4.97
34.083	0.00	2.55	8.258	I	O	|	|	|	|	4.96
34.167	0.00	2.54	8.241	I	O	|	|	|	|	4.95
34.250	0.00	2.54	8.223	I	O	|	|	|	|	4.94
34.333	0.00	2.53	8.206	I	O	|	|	|	|	4.93
34.417	0.00	2.53	8.188	I	O	|	|	|	|	4.92
34.500	0.00	2.53	8.171	I	O	|	|	|	|	4.92
34.583	0.00	2.52	8.153	I	O	|	|	|	|	4.91
34.667	0.00	2.52	8.136	I	O	|	|	|	|	4.90
34.750	0.00	2.52	8.119	I	O	|	|	|	|	4.89
34.833	0.00	2.51	8.101	I	O	|	|	|	|	4.88
34.917	0.00	2.51	8.084	I	O	|	|	|	|	4.87
35.000	0.00	2.51	8.067	I	O	|	|	|	|	4.86
35.083	0.00	2.50	8.049	I	O	|	|	|	|	4.85
35.167	0.00	2.50	8.032	I	O	|	|	|	|	4.84
35.250	0.00	2.50	8.015	I	O	|	|	|	|	4.83
35.333	0.00	2.49	7.998	I	O	|	|	|	|	4.82
35.417	0.00	2.49	7.981	I	O	|	|	|	|	4.82
35.500	0.00	2.48	7.964	I	O	|	|	|	|	4.81
35.583	0.00	2.48	7.947	I	O	|	|	|	|	4.80
35.667	0.00	2.48	7.929	I	O	|	|	|	|	4.79
35.750	0.00	2.47	7.912	I	O	|	|	|	|	4.78
35.833	0.00	2.47	7.895	I	O	|	|	|	|	4.77
35.917	0.00	2.47	7.878	I	O	|	|	|	|	4.76
36.000	0.00	2.46	7.861	I	O	|	|	|	|	4.75
36.083	0.00	2.46	7.844	I	O	|	|	|	|	4.74
36.167	0.00	2.46	7.827	I	O	|	|	|	|	4.73
36.250	0.00	2.45	7.811	I	O	|	|	|	|	4.73
36.333	0.00	2.45	7.794	I	O	|	|	|	|	4.72
36.417	0.00	2.45	7.777	I	O	|	|	|	|	4.71
36.500	0.00	2.44	7.760	I	O	|	|	|	|	4.70
36.583	0.00	2.44	7.743	I	O	|	|	|	|	4.69
36.667	0.00	2.44	7.726	I	O	|	|	|	|	4.68
36.750	0.00	2.43	7.710	I	O	|	|	|	|	4.67
36.833	0.00	2.43	7.693	I	O	|	|	|	|	4.66
36.917	0.00	2.43	7.676	I	O	|	|	|	|	4.65
37.000	0.00	2.42	7.660	I	O	|	|	|	|	4.65
37.083	0.00	2.42	7.643	I	O	|	|	|	|	4.64
37.167	0.00	2.41	7.626	I	O	|	|	|	|	4.63
37.250	0.00	2.41	7.610	I	O	|	|	|	|	4.62
37.333	0.00	2.41	7.593	I	O	|	|	|	|	4.61
37.417	0.00	2.40	7.576	I	O	|	|	|	|	4.60
37.500	0.00	2.40	7.560	I	O	|	|	|	|	4.59
37.583	0.00	2.40	7.543	I	O	|	|	|	|	4.58
37.667	0.00	2.39	7.527	I	O	|	|	|	|	4.58
37.750	0.00	2.39	7.510	I	O	|	|	|	|	4.57
37.833	0.00	2.39	7.494	I	O	|	|	|	|	4.56
37.917	0.00	2.38	7.477	I	O	|	|	|	|	4.55
38.000	0.00	2.38	7.461	I	O	|	|	|	|	4.54
38.083	0.00	2.38	7.445	I	O	|	|	|	|	4.53
38.167	0.00	2.37	7.428	I	O	|	|	|	|	4.52
38.250	0.00	2.37	7.412	I	O	|	|	|	|	4.51
38.333	0.00	2.37	7.396	I	O	|	|	|	|	4.51
38.417	0.00	2.36	7.379	I	O	|	|	|	|	4.50
38.500	0.00	2.36	7.363	I	O	|	|	|	|	4.49
38.583	0.00	2.36	7.347	I	O	|	|	|	|	4.48
38.667	0.00	2.35	7.331	I	O	|	|	|	|	4.47
38.750	0.00	2.35	7.314	I	O	|	|	|	|	4.46
38.833	0.00	2.35	7.298	I	O	|	|	|	|	4.45
38.917	0.00	2.34	7.282	I	O	|	|	|	|	4.45
39.000	0.00	2.34	7.266	I	O	|	|	|	|	4.44
39.083	0.00	2.34	7.250	I	O	|	|	|	|	4.43
39.167	0.00	2.33	7.234	I	O	|	|	|	|	4.42

39.250	0.00	2.33	7.218	I	O	|	|	|	4.41
39.333	0.00	2.33	7.202	I	O	|	|	|	4.40
39.417	0.00	2.32	7.186	I	O	|	|	|	4.39
39.500	0.00	2.32	7.170	I	O	|	|	|	4.39
39.583	0.00	2.32	7.154	I	O	|	|	|	4.38
39.667	0.00	2.31	7.138	I	O	|	|	|	4.37
39.750	0.00	2.31	7.122	I	O	|	|	|	4.36
39.833	0.00	2.31	7.106	I	O	|	|	|	4.35
39.917	0.00	2.30	7.090	I	O	|	|	|	4.34
40.000	0.00	2.30	7.074	I	O	|	|	|	4.34
40.083	0.00	2.30	7.058	I	O	|	|	|	4.33
40.167	0.00	2.29	7.043	I	O	|	|	|	4.32
40.250	0.00	2.29	7.027	I	O	|	|	|	4.31
40.333	0.00	2.29	7.011	I	O	|	|	|	4.30
40.417	0.00	2.28	6.995	I	O	|	|	|	4.29
40.500	0.00	2.28	6.980	I	O	|	|	|	4.29
40.583	0.00	2.28	6.964	I	O	|	|	|	4.28
40.667	0.00	2.27	6.948	I	O	|	|	|	4.27
40.750	0.00	2.27	6.933	I	O	|	|	|	4.26
40.833	0.00	2.27	6.917	I	O	|	|	|	4.25
40.917	0.00	2.27	6.901	I	O	|	|	|	4.24
41.000	0.00	2.26	6.886	I	O	|	|	|	4.24
41.083	0.00	2.26	6.870	I	O	|	|	|	4.23
41.167	0.00	2.26	6.855	I	O	|	|	|	4.22
41.250	0.00	2.25	6.839	I	O	|	|	|	4.21
41.333	0.00	2.25	6.824	I	O	|	|	|	4.20
41.417	0.00	2.25	6.808	I	O	|	|	|	4.19
41.500	0.00	2.24	6.793	I	O	|	|	|	4.19
41.583	0.00	2.24	6.777	I	O	|	|	|	4.18
41.667	0.00	2.24	6.762	I	O	|	|	|	4.17
41.750	0.00	2.23	6.746	I	O	|	|	|	4.16
41.833	0.00	2.23	6.731	I	O	|	|	|	4.15
41.917	0.00	2.23	6.716	I	O	|	|	|	4.15
42.000	0.00	2.22	6.700	I	O	|	|	|	4.14
42.083	0.00	2.22	6.685	I	O	|	|	|	4.13
42.167	0.00	2.22	6.670	I	O	|	|	|	4.12
42.250	0.00	2.21	6.654	I	O	|	|	|	4.11
42.333	0.00	2.21	6.639	I	O	|	|	|	4.11
42.417	0.00	2.21	6.624	I	O	|	|	|	4.10
42.500	0.00	2.20	6.609	I	O	|	|	|	4.09
42.583	0.00	2.20	6.594	I	O	|	|	|	4.08
42.667	0.00	2.20	6.578	I	O	|	|	|	4.07
42.750	0.00	2.20	6.563	I	O	|	|	|	4.07
42.833	0.00	2.19	6.548	I	O	|	|	|	4.06
42.917	0.00	2.19	6.533	I	O	|	|	|	4.05
43.000	0.00	2.19	6.518	I	O	|	|	|	4.04
43.083	0.00	2.18	6.503	I	O	|	|	|	4.03
43.167	0.00	2.18	6.488	I	O	|	|	|	4.03
43.250	0.00	2.18	6.473	I	O	|	|	|	4.02
43.333	0.00	2.17	6.458	I	O	|	|	|	4.01
43.417	0.00	2.17	6.443	I	O	|	|	|	4.00
43.500	0.00	2.17	6.428	I	O	|	|	|	3.99
43.583	0.00	2.16	6.413	I	O	|	|	|	3.98
43.667	0.00	2.16	6.398	I	O	|	|	|	3.98
43.750	0.00	2.15	6.384	I	O	|	|	|	3.97
43.833	0.00	2.15	6.369	I	O	|	|	|	3.96
43.917	0.00	2.15	6.354	I	O	|	|	|	3.95
44.000	0.00	2.14	6.339	I	O	|	|	|	3.94
44.083	0.00	2.14	6.324	I	O	|	|	|	3.94
44.167	0.00	2.13	6.310	I	O	|	|	|	3.93
44.250	0.00	2.13	6.295	I	O	|	|	|	3.92
44.333	0.00	2.13	6.280	I	O	|	|	|	3.91
44.417	0.00	2.12	6.266	I	O	|	|	|	3.90
44.500	0.00	2.12	6.251	I	O	|	|	|	3.89
44.583	0.00	2.12	6.236	I	O	|	|	|	3.89
44.667	0.00	2.11	6.222	I	O	|	|	|	3.88
44.750	0.00	2.11	6.207	I	O	|	|	|	3.87

44.833	0.00	2.10	6.193	I O	|	|	|	3.86
44.917	0.00	2.10	6.178	I O	|	|	|	3.85
45.000	0.00	2.10	6.164	I O	|	|	|	3.84
45.083	0.00	2.09	6.150	I O	|	|	|	3.84
45.167	0.00	2.09	6.135	I O	|	|	|	3.83
45.250	0.00	2.08	6.121	I O	|	|	|	3.82
45.333	0.00	2.08	6.106	I O	|	|	|	3.81
45.417	0.00	2.08	6.092	I O	|	|	|	3.80
45.500	0.00	2.07	6.078	I O	|	|	|	3.80
45.583	0.00	2.07	6.064	I O	|	|	|	3.79
45.667	0.00	2.06	6.049	I O	|	|	|	3.78
45.750	0.00	2.06	6.035	I O	|	|	|	3.77
45.833	0.00	2.06	6.021	I O	|	|	|	3.76
45.917	0.00	2.05	6.007	I O	|	|	|	3.76
46.000	0.00	2.05	5.993	I O	|	|	|	3.75
46.083	0.00	2.05	5.979	I O	|	|	|	3.74
46.167	0.00	2.04	5.965	I O	|	|	|	3.73
46.250	0.00	2.04	5.950	I O	|	|	|	3.72
46.333	0.00	2.03	5.936	I O	|	|	|	3.72
46.417	0.00	2.03	5.922	I O	|	|	|	3.71
46.500	0.00	2.03	5.908	I O	|	|	|	3.70
46.583	0.00	2.02	5.895	I O	|	|	|	3.69
46.667	0.00	2.02	5.881	I O	|	|	|	3.69
46.750	0.00	2.02	5.867	I O	|	|	|	3.68
46.833	0.00	2.01	5.853	I O	|	|	|	3.67
46.917	0.00	2.01	5.839	I O	|	|	|	3.66
47.000	0.00	2.00	5.825	I O	|	|	|	3.65
47.083	0.00	2.00	5.811	I O	|	|	|	3.65
47.167	0.00	2.00	5.798	I O	|	|	|	3.64
47.250	0.00	1.99	5.784	I O	|	|	|	3.63
47.333	0.00	1.99	5.770	I O	|	|	|	3.62
47.417	0.00	1.99	5.757	I O	|	|	|	3.62
47.500	0.00	1.98	5.743	I O	|	|	|	3.61
47.583	0.00	1.98	5.729	I O	|	|	|	3.60
47.667	0.00	1.97	5.716	I O	|	|	|	3.59
47.750	0.00	1.97	5.702	I O	|	|	|	3.59
47.833	0.00	1.97	5.688	I O	|	|	|	3.58
47.917	0.00	1.96	5.675	I O	|	|	|	3.57
48.000	0.00	1.96	5.661	I O	|	|	|	3.56
48.083	0.00	1.96	5.648	I O	|	|	|	3.56
48.167	0.00	1.95	5.634	I O	|	|	|	3.55
48.250	0.00	1.95	5.621	I O	|	|	|	3.54
48.333	0.00	1.95	5.608	I O	|	|	|	3.53
48.417	0.00	1.94	5.594	I O	|	|	|	3.52
48.500	0.00	1.94	5.581	I O	|	|	|	3.52
48.583	0.00	1.93	5.568	I O	|	|	|	3.51
48.667	0.00	1.93	5.554	I O	|	|	|	3.50
48.750	0.00	1.93	5.541	I O	|	|	|	3.49
48.833	0.00	1.92	5.528	I O	|	|	|	3.49
48.917	0.00	1.92	5.514	I O	|	|	|	3.48
49.000	0.00	1.92	5.501	I O	|	|	|	3.47
49.083	0.00	1.91	5.488	I O	|	|	|	3.47
49.167	0.00	1.91	5.475	I O	|	|	|	3.46
49.250	0.00	1.91	5.462	I O	|	|	|	3.45
49.333	0.00	1.90	5.449	I O	|	|	|	3.44
49.417	0.00	1.90	5.436	I O	|	|	|	3.44
49.500	0.00	1.90	5.422	I O	|	|	|	3.43
49.583	0.00	1.89	5.409	I O	|	|	|	3.42
49.667	0.00	1.89	5.396	I O	|	|	|	3.41
49.750	0.00	1.89	5.383	I O	|	|	|	3.41
49.833	0.00	1.88	5.370	I O	|	|	|	3.40
49.917	0.00	1.88	5.357	I O	|	|	|	3.39
50.000	0.00	1.87	5.345	I O	|	|	|	3.38
50.083	0.00	1.87	5.332	I O	|	|	|	3.38
50.167	0.00	1.87	5.319	I O	|	|	|	3.37
50.250	0.00	1.86	5.306	I O	|	|	|	3.36
50.333	0.00	1.86	5.293	I O	|	|	|	3.36

50.417	0.00	1.86	5.280	I O	|	|	|	3.35
50.500	0.00	1.85	5.268	I O	|	|	|	3.34
50.583	0.00	1.85	5.255	I O	|	|	|	3.33
50.667	0.00	1.85	5.242	I O	|	|	|	3.33
50.750	0.00	1.84	5.229	I O	|	|	|	3.32
50.833	0.00	1.84	5.217	I O	|	|	|	3.31
50.917	0.00	1.84	5.204	I O	|	|	|	3.31
51.000	0.00	1.83	5.191	I O	|	|	|	3.30
51.083	0.00	1.83	5.179	I O	|	|	|	3.29
51.167	0.00	1.83	5.166	I O	|	|	|	3.28
51.250	0.00	1.82	5.154	I O	|	|	|	3.28
51.333	0.00	1.82	5.141	I O	|	|	|	3.27
51.417	0.00	1.82	5.128	I O	|	|	|	3.26
51.500	0.00	1.81	5.116	I O	|	|	|	3.26
51.583	0.00	1.81	5.104	I O	|	|	|	3.25
51.667	0.00	1.81	5.091	I O	|	|	|	3.24
51.750	0.00	1.80	5.079	I O	|	|	|	3.24
51.833	0.00	1.80	5.066	I O	|	|	|	3.23
51.917	0.00	1.80	5.054	I O	|	|	|	3.22
52.000	0.00	1.79	5.041	I O	|	|	|	3.21
52.083	0.00	1.79	5.029	I O	|	|	|	3.21
52.167	0.00	1.79	5.017	I O	|	|	|	3.20
52.250	0.00	1.78	5.005	I O	|	|	|	3.19
52.333	0.00	1.78	4.992	I O	|	|	|	3.19
52.417	0.00	1.78	4.980	I O	|	|	|	3.18
52.500	0.00	1.77	4.968	I O	|	|	|	3.17
52.583	0.00	1.77	4.956	I O	|	|	|	3.17
52.667	0.00	1.77	4.943	I O	|	|	|	3.16
52.750	0.00	1.76	4.931	I O	|	|	|	3.15
52.833	0.00	1.76	4.919	I O	|	|	|	3.15
52.917	0.00	1.76	4.907	I O	|	|	|	3.14
53.000	0.00	1.75	4.895	I O	|	|	|	3.13
53.083	0.00	1.75	4.883	I O	|	|	|	3.13
53.167	0.00	1.75	4.871	I O	|	|	|	3.12
53.250	0.00	1.74	4.859	I O	|	|	|	3.11
53.333	0.00	1.74	4.847	I O	|	|	|	3.10
53.417	0.00	1.74	4.835	I O	|	|	|	3.10
53.500	0.00	1.73	4.823	I O	|	|	|	3.09
53.583	0.00	1.73	4.811	I O	|	|	|	3.08
53.667	0.00	1.73	4.799	I O	|	|	|	3.08
53.750	0.00	1.72	4.787	I O	|	|	|	3.07
53.833	0.00	1.72	4.775	I O	|	|	|	3.06
53.917	0.00	1.72	4.763	I O	|	|	|	3.06
54.000	0.00	1.71	4.752	I O	|	|	|	3.05
54.083	0.00	1.71	4.740	I O	|	|	|	3.04
54.167	0.00	1.71	4.728	I O	|	|	|	3.04
54.250	0.00	1.71	4.716	I O	|	|	|	3.03
54.333	0.00	1.70	4.705	I O	|	|	|	3.03
54.417	0.00	1.70	4.693	I O	|	|	|	3.02
54.500	0.00	1.70	4.681	I O	|	|	|	3.01
54.583	0.00	1.69	4.670	I O	|	|	|	3.01
54.667	0.00	1.69	4.658	I O	|	|	|	3.00
54.750	0.00	1.68	4.646	I O	|	|	|	2.99
54.833	0.00	1.68	4.635	I O	|	|	|	2.98
54.917	0.00	1.67	4.623	I O	|	|	|	2.98
55.000	0.00	1.66	4.612	I O	|	|	|	2.97
55.083	0.00	1.65	4.600	I O	|	|	|	2.96
55.167	0.00	1.65	4.589	I O	|	|	|	2.96
55.250	0.00	1.64	4.578	I O	|	|	|	2.95
55.333	0.00	1.63	4.566	I O	|	|	|	2.94
55.417	0.00	1.63	4.555	I O	|	|	|	2.94
55.500	0.00	1.62	4.544	I O	|	|	|	2.93
55.583	0.00	1.61	4.533	I O	|	|	|	2.92
55.667	0.00	1.61	4.522	I O	|	|	|	2.92
55.750	0.00	1.60	4.511	I O	|	|	|	2.91
55.833	0.00	1.60	4.500	I O	|	|	|	2.90
55.917	0.00	1.59	4.489	I O	|	|	|	2.90

56.000	0.00	1.58	4.478	I O				2.89
56.083	0.00	1.58	4.467	I O				2.88
56.167	0.00	1.57	4.456	I O				2.88
56.250	0.00	1.56	4.445	I O				2.87
56.333	0.00	1.56	4.434	I O				2.86
56.417	0.00	1.55	4.424	I O				2.86
56.500	0.00	1.54	4.413	I O				2.85
56.583	0.00	1.54	4.403	I O				2.84
56.667	0.00	1.53	4.392	I O				2.84
56.750	0.00	1.53	4.381	I O				2.83
56.833	0.00	1.52	4.371	I O				2.83
56.917	0.00	1.51	4.360	I O				2.82
57.000	0.00	1.51	4.350	I O				2.81
57.083	0.00	1.50	4.340	I O				2.81
57.167	0.00	1.49	4.329	I O				2.80
57.250	0.00	1.49	4.319	I O				2.79
57.333	0.00	1.48	4.309	I O				2.79
57.417	0.00	1.48	4.299	I O				2.78
57.500	0.00	1.47	4.289	I O				2.78
57.583	0.00	1.46	4.278	I O				2.77
57.667	0.00	1.46	4.268	I O				2.76
57.750	0.00	1.45	4.258	I O				2.76
57.833	0.00	1.45	4.248	I O				2.75
57.917	0.00	1.44	4.238	I O				2.75
58.000	0.00	1.44	4.229	I O				2.74
58.083	0.00	1.43	4.219	IO				2.73
58.167	0.00	1.42	4.209	IO				2.73
58.250	0.00	1.42	4.199	IO				2.72
58.333	0.00	1.41	4.189	IO				2.72
58.417	0.00	1.41	4.180	IO				2.71
58.500	0.00	1.40	4.170	IO				2.70
58.583	0.00	1.40	4.160	IO				2.70
58.667	0.00	1.39	4.151	IO				2.69
58.750	0.00	1.38	4.141	IO				2.69
58.833	0.00	1.38	4.132	IO				2.68
58.917	0.00	1.37	4.122	IO				2.68
59.000	0.00	1.37	4.113	IO				2.67
59.083	0.00	1.36	4.103	IO				2.66
59.167	0.00	1.36	4.094	IO				2.66
59.250	0.00	1.35	4.085	IO				2.65
59.333	0.00	1.34	4.075	IO				2.65
59.417	0.00	1.34	4.066	IO				2.64
59.500	0.00	1.33	4.057	IO				2.64
59.583	0.00	1.33	4.048	IO				2.63
59.667	0.00	1.32	4.039	IO				2.63
59.750	0.00	1.32	4.030	IO				2.62
59.833	0.00	1.31	4.021	IO				2.61
59.917	0.00	1.31	4.011	IO				2.61
60.000	0.00	1.30	4.002	IO				2.60
60.083	0.00	1.30	3.994	IO				2.60
60.167	0.00	1.29	3.985	IO				2.59
60.250	0.00	1.29	3.976	IO				2.59
60.333	0.00	1.28	3.967	IO				2.58
60.417	0.00	1.28	3.958	IO				2.58
60.500	0.00	1.27	3.949	IO				2.57
60.583	0.00	1.27	3.941	IO				2.57
60.667	0.00	1.26	3.932	IO				2.56
60.750	0.00	1.26	3.923	IO				2.56
60.833	0.00	1.25	3.915	IO				2.55
60.917	0.00	1.24	3.906	IO				2.55
61.000	0.00	1.24	3.897	IO				2.54
61.083	0.00	1.23	3.889	IO				2.54
61.167	0.00	1.23	3.880	IO				2.53
61.250	0.00	1.22	3.872	IO				2.53
61.333	0.00	1.22	3.864	IO				2.52
61.417	0.00	1.21	3.855	IO				2.52
61.500	0.00	1.21	3.847	IO				2.51

61.583	0.00	1.21	3.839	IO					2.51
61.667	0.00	1.20	3.830	IO					2.50
61.750	0.00	1.20	3.822	IO					2.50
61.833	0.00	1.19	3.814	IO					2.49
61.917	0.00	1.19	3.806	IO					2.49
62.000	0.00	1.18	3.797	IO					2.48
62.083	0.00	1.18	3.789	IO					2.48
62.167	0.00	1.17	3.781	IO					2.47
62.250	0.00	1.17	3.773	IO					2.47
62.333	0.00	1.16	3.765	IO					2.46
62.417	0.00	1.16	3.757	IO					2.46
62.500	0.00	1.15	3.749	IO					2.45
62.583	0.00	1.15	3.741	IO					2.45
62.667	0.00	1.14	3.733	IO					2.44
62.750	0.00	1.14	3.726	IO					2.44
62.833	0.00	1.13	3.718	IO					2.43
62.917	0.00	1.13	3.710	IO					2.43
63.000	0.00	1.12	3.702	IO					2.42
63.083	0.00	1.12	3.695	IO					2.42
63.167	0.00	1.12	3.687	IO					2.41
63.250	0.00	1.11	3.679	IO					2.41
63.333	0.00	1.11	3.672	IO					2.40
63.417	0.00	1.10	3.664	IO					2.40
63.500	0.00	1.10	3.656	IO					2.40
63.583	0.00	1.09	3.649	IO					2.39
63.667	0.00	1.09	3.641	IO					2.39
63.750	0.00	1.08	3.634	IO					2.38
63.833	0.00	1.08	3.626	IO					2.38
63.917	0.00	1.08	3.619	IO					2.37
64.000	0.00	1.07	3.612	IO					2.37
64.083	0.00	1.07	3.604	IO					2.36
64.167	0.00	1.06	3.597	IO					2.36
64.250	0.00	1.06	3.590	IO					2.36
64.333	0.00	1.05	3.582	IO					2.35
64.417	0.00	1.05	3.575	IO					2.35
64.500	0.00	1.05	3.568	IO					2.34
64.583	0.00	1.04	3.561	IO					2.34
64.667	0.00	1.04	3.553	IO					2.33
64.750	0.00	1.03	3.546	IO					2.33
64.833	0.00	1.03	3.539	IO					2.32
64.917	0.00	1.02	3.532	IO					2.32
65.000	0.00	1.02	3.525	IO					2.32
65.083	0.00	1.02	3.518	IO					2.31
65.167	0.00	1.01	3.511	IO					2.31
65.250	0.00	1.01	3.504	IO					2.30
65.333	0.00	1.00	3.497	IO					2.30
65.417	0.00	1.00	3.490	IO					2.30
65.500	0.00	1.00	3.484	IO					2.29
65.583	0.00	0.99	3.477	IO					2.29
65.667	0.00	0.99	3.470	IO					2.28
65.750	0.00	0.98	3.463	IO					2.28
65.833	0.00	0.98	3.456	IO					2.27
65.917	0.00	0.98	3.450	IO					2.27
66.000	0.00	0.97	3.443	IO					2.27
66.083	0.00	0.97	3.436	IO					2.26
66.167	0.00	0.96	3.430	IO					2.26
66.250	0.00	0.96	3.423	IO					2.25
66.333	0.00	0.96	3.416	IO					2.25
66.417	0.00	0.95	3.410	IO					2.25
66.500	0.00	0.95	3.403	IO					2.24
66.583	0.00	0.94	3.397	IO					2.24
66.667	0.00	0.94	3.390	IO					2.24
66.750	0.00	0.94	3.384	IO					2.23
66.833	0.00	0.93	3.377	IO					2.23
66.917	0.00	0.93	3.371	IO					2.22
67.000	0.00	0.93	3.365	IO					2.22
67.083	0.00	0.92	3.358	IO					2.22

67.167	0.00	0.92	3.352	IO				2.21
67.250	0.00	0.91	3.346	IO				2.21
67.333	0.00	0.91	3.339	IO				2.20
67.417	0.00	0.91	3.333	IO				2.20
67.500	0.00	0.90	3.327	IO				2.20
67.583	0.00	0.90	3.321	IO				2.19
67.667	0.00	0.90	3.314	IO				2.19
67.750	0.00	0.89	3.308	IO				2.19
67.833	0.00	0.89	3.302	IO				2.18
67.917	0.00	0.88	3.296	IO				2.18
68.000	0.00	0.88	3.290	IO				2.17
68.083	0.00	0.88	3.284	IO				2.17
68.167	0.00	0.87	3.278	IO				2.17
68.250	0.00	0.87	3.272	IO				2.16
68.333	0.00	0.87	3.266	IO				2.16
68.417	0.00	0.86	3.260	IO				2.16
68.500	0.00	0.86	3.254	IO				2.15
68.583	0.00	0.86	3.248	IO				2.15
68.667	0.00	0.85	3.242	IO				2.15
68.750	0.00	0.85	3.236	IO				2.14
68.833	0.00	0.85	3.230	IO				2.14
68.917	0.00	0.84	3.225	IO				2.14
69.000	0.00	0.84	3.219	IO				2.13
69.083	0.00	0.84	3.213	IO				2.13
69.167	0.00	0.83	3.207	IO				2.12
69.250	0.00	0.83	3.202	IO				2.12
69.333	0.00	0.83	3.196	IO				2.12
69.417	0.00	0.82	3.190	IO				2.11
69.500	0.00	0.82	3.185	IO				2.11
69.583	0.00	0.82	3.179	IO				2.11
69.667	0.00	0.81	3.173	IO				2.10
69.750	0.00	0.81	3.168	IO				2.10
69.833	0.00	0.81	3.162	IO				2.10
69.917	0.00	0.80	3.157	IO				2.09
70.000	0.00	0.80	3.151	IO				2.09
70.083	0.00	0.80	3.146	IO				2.09
70.167	0.00	0.79	3.140	IO				2.08
70.250	0.00	0.79	3.135	IO				2.08
70.333	0.00	0.79	3.129	IO				2.08
70.417	0.00	0.78	3.124	IO				2.07
70.500	0.00	0.78	3.118	IO				2.07
70.583	0.00	0.78	3.113	IO				2.07
70.667	0.00	0.77	3.108	IO				2.06
70.750	0.00	0.77	3.102	IO				2.06
70.833	0.00	0.77	3.097	IO				2.06
70.917	0.00	0.76	3.092	IO				2.06
71.000	0.00	0.76	3.087	IO				2.05
71.083	0.00	0.76	3.081	IO				2.05
71.167	0.00	0.75	3.076	IO				2.05
71.250	0.00	0.75	3.071	IO				2.04
71.333	0.00	0.75	3.066	IO				2.04
71.417	0.00	0.75	3.061	IO				2.04
71.500	0.00	0.74	3.056	IO				2.03
71.583	0.00	0.74	3.050	IO				2.03
71.667	0.00	0.74	3.045	IO				2.03
71.750	0.00	0.73	3.040	IO				2.02
71.833	0.00	0.73	3.035	IO				2.02
71.917	0.00	0.73	3.030	IO				2.02
72.000	0.00	0.72	3.025	IO				2.02
72.083	0.00	0.72	3.020	IO				2.01
72.167	0.00	0.72	3.015	IO				2.01
72.250	0.00	0.72	3.010	O				2.01
72.333	0.00	0.71	3.005	O				2.00
72.417	0.00	0.71	3.001	O				2.00
72.500	0.00	0.71	2.996	O				2.00
72.583	0.00	0.71	2.991	O				1.99
72.667	0.00	0.71	2.986	O				1.99

72.750	0.00	0.71	2.981	O	|	|	|	|	1.99
72.833	0.00	0.71	2.976	O	|	|	|	|	1.98
72.917	0.00	0.71	2.971	O	|	|	|	|	1.98
73.000	0.00	0.70	2.966	O	|	|	|	|	1.98
73.083	0.00	0.70	2.962	O	|	|	|	|	1.98
73.167	0.00	0.70	2.957	O	|	|	|	|	1.97
73.250	0.00	0.70	2.952	O	|	|	|	|	1.97
73.333	0.00	0.70	2.947	O	|	|	|	|	1.97
73.417	0.00	0.70	2.942	O	|	|	|	|	1.96
73.500	0.00	0.70	2.937	O	|	|	|	|	1.96
73.583	0.00	0.70	2.933	O	|	|	|	|	1.96
73.667	0.00	0.70	2.928	O	|	|	|	|	1.95
73.750	0.00	0.70	2.923	O	|	|	|	|	1.95
73.833	0.00	0.70	2.918	O	|	|	|	|	1.95
73.917	0.00	0.70	2.913	O	|	|	|	|	1.94
74.000	0.00	0.70	2.909	O	|	|	|	|	1.94
74.083	0.00	0.70	2.904	O	|	|	|	|	1.94
74.167	0.00	0.69	2.899	O	|	|	|	|	1.93
74.250	0.00	0.69	2.894	O	|	|	|	|	1.93
74.333	0.00	0.69	2.889	O	|	|	|	|	1.93
74.417	0.00	0.69	2.885	O	|	|	|	|	1.93
74.500	0.00	0.69	2.880	O	|	|	|	|	1.92
74.583	0.00	0.69	2.875	O	|	|	|	|	1.92
74.667	0.00	0.69	2.870	O	|	|	|	|	1.92
74.750	0.00	0.69	2.866	O	|	|	|	|	1.91
74.833	0.00	0.69	2.861	O	|	|	|	|	1.91
74.917	0.00	0.69	2.856	O	|	|	|	|	1.91
75.000	0.00	0.69	2.851	O	|	|	|	|	1.90
75.083	0.00	0.69	2.847	O	|	|	|	|	1.90
75.167	0.00	0.69	2.842	O	|	|	|	|	1.90
75.250	0.00	0.68	2.837	O	|	|	|	|	1.89
75.333	0.00	0.68	2.833	O	|	|	|	|	1.89
75.417	0.00	0.68	2.828	O	|	|	|	|	1.89
75.500	0.00	0.68	2.823	O	|	|	|	|	1.89
75.583	0.00	0.68	2.818	O	|	|	|	|	1.88
75.667	0.00	0.68	2.814	O	|	|	|	|	1.88
75.750	0.00	0.68	2.809	O	|	|	|	|	1.88
75.833	0.00	0.68	2.804	O	|	|	|	|	1.87
75.917	0.00	0.68	2.800	O	|	|	|	|	1.87
76.000	0.00	0.68	2.795	O	|	|	|	|	1.87
76.083	0.00	0.68	2.790	O	|	|	|	|	1.86
76.167	0.00	0.68	2.786	O	|	|	|	|	1.86
76.250	0.00	0.68	2.781	O	|	|	|	|	1.86
76.333	0.00	0.68	2.776	O	|	|	|	|	1.86
76.417	0.00	0.67	2.772	O	|	|	|	|	1.85
76.500	0.00	0.67	2.767	O	|	|	|	|	1.85
76.583	0.00	0.67	2.762	O	|	|	|	|	1.85
76.667	0.00	0.67	2.758	O	|	|	|	|	1.84
76.750	0.00	0.67	2.753	O	|	|	|	|	1.84
76.833	0.00	0.67	2.749	O	|	|	|	|	1.84
76.917	0.00	0.67	2.744	O	|	|	|	|	1.83
77.000	0.00	0.67	2.739	O	|	|	|	|	1.83
77.083	0.00	0.67	2.735	O	|	|	|	|	1.83
77.167	0.00	0.67	2.730	O	|	|	|	|	1.83
77.250	0.00	0.67	2.725	O	|	|	|	|	1.82
77.333	0.00	0.67	2.721	O	|	|	|	|	1.82
77.417	0.00	0.67	2.716	O	|	|	|	|	1.82
77.500	0.00	0.67	2.712	O	|	|	|	|	1.81
77.583	0.00	0.66	2.707	O	|	|	|	|	1.81
77.667	0.00	0.66	2.703	O	|	|	|	|	1.81
77.750	0.00	0.66	2.698	O	|	|	|	|	1.81
77.833	0.00	0.66	2.693	O	|	|	|	|	1.80
77.917	0.00	0.66	2.689	O	|	|	|	|	1.80
78.000	0.00	0.66	2.684	O	|	|	|	|	1.80
78.083	0.00	0.66	2.680	O	|	|	|	|	1.79
78.167	0.00	0.66	2.675	O	|	|	|	|	1.79
78.250	0.00	0.66	2.671	O	|	|	|	|	1.79

78.333	0.00	0.66	2.666	O	|	|	|	|	1.78
78.417	0.00	0.66	2.662	O	|	|	|	|	1.78
78.500	0.00	0.66	2.657	O	|	|	|	|	1.78
78.583	0.00	0.66	2.653	O	|	|	|	|	1.78
78.667	0.00	0.66	2.648	O	|	|	|	|	1.77
78.750	0.00	0.65	2.644	O	|	|	|	|	1.77
78.833	0.00	0.65	2.639	O	|	|	|	|	1.77
78.917	0.00	0.65	2.635	O	|	|	|	|	1.76
79.000	0.00	0.65	2.630	O	|	|	|	|	1.76
79.083	0.00	0.65	2.626	O	|	|	|	|	1.76
79.167	0.00	0.65	2.621	O	|	|	|	|	1.76
79.250	0.00	0.65	2.617	O	|	|	|	|	1.75
79.333	0.00	0.65	2.612	O	|	|	|	|	1.75
79.417	0.00	0.65	2.608	O	|	|	|	|	1.75
79.500	0.00	0.65	2.603	O	|	|	|	|	1.74
79.583	0.00	0.65	2.599	O	|	|	|	|	1.74
79.667	0.00	0.65	2.594	O	|	|	|	|	1.74
79.750	0.00	0.65	2.590	O	|	|	|	|	1.74
79.833	0.00	0.65	2.585	O	|	|	|	|	1.73
79.917	0.00	0.65	2.581	O	|	|	|	|	1.73
80.000	0.00	0.64	2.576	O	|	|	|	|	1.73
80.083	0.00	0.64	2.572	O	|	|	|	|	1.72
80.167	0.00	0.64	2.568	O	|	|	|	|	1.72
80.250	0.00	0.64	2.563	O	|	|	|	|	1.72
80.333	0.00	0.64	2.559	O	|	|	|	|	1.72
80.417	0.00	0.64	2.554	O	|	|	|	|	1.71
80.500	0.00	0.64	2.550	O	|	|	|	|	1.71
80.583	0.00	0.64	2.545	O	|	|	|	|	1.71
80.667	0.00	0.64	2.541	O	|	|	|	|	1.70
80.750	0.00	0.64	2.537	O	|	|	|	|	1.70
80.833	0.00	0.64	2.532	O	|	|	|	|	1.70
80.917	0.00	0.64	2.528	O	|	|	|	|	1.70
81.000	0.00	0.64	2.524	O	|	|	|	|	1.69
81.083	0.00	0.64	2.519	O	|	|	|	|	1.69
81.167	0.00	0.63	2.515	O	|	|	|	|	1.69
81.250	0.00	0.63	2.510	O	|	|	|	|	1.68
81.333	0.00	0.63	2.506	O	|	|	|	|	1.68
81.417	0.00	0.63	2.502	O	|	|	|	|	1.68
81.500	0.00	0.63	2.497	O	|	|	|	|	1.68
81.583	0.00	0.63	2.493	O	|	|	|	|	1.67
81.667	0.00	0.63	2.489	O	|	|	|	|	1.67
81.750	0.00	0.63	2.484	O	|	|	|	|	1.67
81.833	0.00	0.63	2.480	O	|	|	|	|	1.66
81.917	0.00	0.63	2.476	O	|	|	|	|	1.66
82.000	0.00	0.63	2.471	O	|	|	|	|	1.66
82.083	0.00	0.63	2.467	O	|	|	|	|	1.66
82.167	0.00	0.63	2.463	O	|	|	|	|	1.65
82.250	0.00	0.63	2.458	O	|	|	|	|	1.65
82.333	0.00	0.63	2.454	O	|	|	|	|	1.65
82.417	0.00	0.62	2.450	O	|	|	|	|	1.64
82.500	0.00	0.62	2.445	O	|	|	|	|	1.64
82.583	0.00	0.62	2.441	O	|	|	|	|	1.64
82.667	0.00	0.62	2.437	O	|	|	|	|	1.64
82.750	0.00	0.62	2.433	O	|	|	|	|	1.63
82.833	0.00	0.62	2.428	O	|	|	|	|	1.63
82.917	0.00	0.62	2.424	O	|	|	|	|	1.63
83.000	0.00	0.62	2.420	O	|	|	|	|	1.63
83.083	0.00	0.62	2.415	O	|	|	|	|	1.62
83.167	0.00	0.62	2.411	O	|	|	|	|	1.62
83.250	0.00	0.62	2.407	O	|	|	|	|	1.62
83.333	0.00	0.62	2.403	O	|	|	|	|	1.61
83.417	0.00	0.62	2.398	O	|	|	|	|	1.61
83.500	0.00	0.62	2.394	O	|	|	|	|	1.61
83.583	0.00	0.62	2.390	O	|	|	|	|	1.61
83.667	0.00	0.61	2.386	O	|	|	|	|	1.60
83.750	0.00	0.61	2.381	O	|	|	|	|	1.60
83.833	0.00	0.61	2.377	O	|	|	|	|	1.60

83.917	0.00	0.61	2.373	O	|	|	|	|	1.60
84.000	0.00	0.61	2.369	O	|	|	|	|	1.59
84.083	0.00	0.61	2.365	O	|	|	|	|	1.59
84.167	0.00	0.61	2.360	O	|	|	|	|	1.59
84.250	0.00	0.61	2.356	O	|	|	|	|	1.58
84.333	0.00	0.61	2.352	O	|	|	|	|	1.58
84.417	0.00	0.61	2.348	O	|	|	|	|	1.58
84.500	0.00	0.61	2.344	O	|	|	|	|	1.58
84.583	0.00	0.61	2.339	O	|	|	|	|	1.57
84.667	0.00	0.61	2.335	O	|	|	|	|	1.57
84.750	0.00	0.61	2.331	O	|	|	|	|	1.57
84.833	0.00	0.61	2.327	O	|	|	|	|	1.57
84.917	0.00	0.61	2.323	O	|	|	|	|	1.56
85.000	0.00	0.60	2.318	O	|	|	|	|	1.56
85.083	0.00	0.60	2.314	O	|	|	|	|	1.56
85.167	0.00	0.60	2.310	O	|	|	|	|	1.55
85.250	0.00	0.60	2.306	O	|	|	|	|	1.55
85.333	0.00	0.60	2.302	O	|	|	|	|	1.55
85.417	0.00	0.60	2.298	O	|	|	|	|	1.55
85.500	0.00	0.60	2.294	O	|	|	|	|	1.54
85.583	0.00	0.60	2.289	O	|	|	|	|	1.54
85.667	0.00	0.60	2.285	O	|	|	|	|	1.54
85.750	0.00	0.60	2.281	O	|	|	|	|	1.54
85.833	0.00	0.60	2.277	O	|	|	|	|	1.53
85.917	0.00	0.60	2.273	O	|	|	|	|	1.53
86.000	0.00	0.60	2.269	O	|	|	|	|	1.53
86.083	0.00	0.60	2.265	O	|	|	|	|	1.53
86.167	0.00	0.60	2.261	O	|	|	|	|	1.52
86.250	0.00	0.59	2.257	O	|	|	|	|	1.52
86.333	0.00	0.59	2.252	O	|	|	|	|	1.52
86.417	0.00	0.59	2.248	O	|	|	|	|	1.52
86.500	0.00	0.59	2.244	O	|	|	|	|	1.51
86.583	0.00	0.59	2.240	O	|	|	|	|	1.51
86.667	0.00	0.59	2.236	O	|	|	|	|	1.51
86.750	0.00	0.59	2.232	O	|	|	|	|	1.50
86.833	0.00	0.59	2.228	O	|	|	|	|	1.50
86.917	0.00	0.59	2.224	O	|	|	|	|	1.50
87.000	0.00	0.59	2.220	O	|	|	|	|	1.50
87.083	0.00	0.59	2.216	O	|	|	|	|	1.49
87.167	0.00	0.59	2.212	O	|	|	|	|	1.49
87.250	0.00	0.59	2.208	O	|	|	|	|	1.49
87.333	0.00	0.59	2.204	O	|	|	|	|	1.49
87.417	0.00	0.59	2.200	O	|	|	|	|	1.48
87.500	0.00	0.59	2.196	O	|	|	|	|	1.48
87.583	0.00	0.58	2.192	O	|	|	|	|	1.48
87.667	0.00	0.58	2.188	O	|	|	|	|	1.48
87.750	0.00	0.58	2.183	O	|	|	|	|	1.47
87.833	0.00	0.58	2.179	O	|	|	|	|	1.47
87.917	0.00	0.58	2.175	O	|	|	|	|	1.47
88.000	0.00	0.58	2.171	O	|	|	|	|	1.47
88.083	0.00	0.58	2.167	O	|	|	|	|	1.46
88.167	0.00	0.58	2.163	O	|	|	|	|	1.46
88.250	0.00	0.58	2.159	O	|	|	|	|	1.46
88.333	0.00	0.58	2.155	O	|	|	|	|	1.46
88.417	0.00	0.58	2.151	O	|	|	|	|	1.45
88.500	0.00	0.58	2.147	O	|	|	|	|	1.45
88.583	0.00	0.58	2.144	O	|	|	|	|	1.45
88.667	0.00	0.58	2.140	O	|	|	|	|	1.44
88.750	0.00	0.58	2.136	O	|	|	|	|	1.44
88.833	0.00	0.58	2.132	O	|	|	|	|	1.44
88.917	0.00	0.57	2.128	O	|	|	|	|	1.44
89.000	0.00	0.57	2.124	O	|	|	|	|	1.43
89.083	0.00	0.57	2.120	O	|	|	|	|	1.43
89.167	0.00	0.57	2.116	O	|	|	|	|	1.43
89.250	0.00	0.57	2.112	O	|	|	|	|	1.43
89.333	0.00	0.57	2.108	O	|	|	|	|	1.42
89.417	0.00	0.57	2.104	O	|	|	|	|	1.42

89.500	0.00	0.57	2.100	O					1.42
89.583	0.00	0.57	2.096	O					1.42
89.667	0.00	0.57	2.092	O					1.41
89.750	0.00	0.57	2.088	O					1.41
89.833	0.00	0.57	2.084	O					1.41
89.917	0.00	0.57	2.080	O					1.41
90.000	0.00	0.57	2.077	O					1.40
90.083	0.00	0.57	2.073	O					1.40
90.167	0.00	0.57	2.069	O					1.40
90.250	0.00	0.57	2.065	O					1.40
90.333	0.00	0.56	2.061	O					1.39
90.417	0.00	0.56	2.057	O					1.39
90.500	0.00	0.56	2.053	O					1.39
90.583	0.00	0.56	2.049	O					1.39
90.667	0.00	0.56	2.045	O					1.38
90.750	0.00	0.56	2.042	O					1.38
90.833	0.00	0.56	2.038	O					1.38
90.917	0.00	0.56	2.034	O					1.38
91.000	0.00	0.56	2.030	O					1.37
91.083	0.00	0.56	2.026	O					1.37
91.167	0.00	0.56	2.022	O					1.37
91.250	0.00	0.56	2.018	O					1.37
91.333	0.00	0.56	2.015	O					1.36
91.417	0.00	0.56	2.011	O					1.36
91.500	0.00	0.56	2.007	O					1.36
91.583	0.00	0.56	2.003	O					1.36
91.667	0.00	0.56	1.999	O					1.35
91.750	0.00	0.55	1.995	O					1.35
91.833	0.00	0.55	1.992	O					1.35
91.917	0.00	0.55	1.988	O					1.35
92.000	0.00	0.55	1.984	O					1.34
92.083	0.00	0.55	1.980	O					1.34
92.167	0.00	0.55	1.976	O					1.34
92.250	0.00	0.55	1.973	O					1.34
92.333	0.00	0.55	1.969	O					1.33
92.417	0.00	0.55	1.965	O					1.33
92.500	0.00	0.55	1.961	O					1.33
92.583	0.00	0.55	1.957	O					1.33
92.667	0.00	0.55	1.954	O					1.32
92.750	0.00	0.55	1.950	O					1.32
92.833	0.00	0.55	1.946	O					1.32
92.917	0.00	0.55	1.942	O					1.32
93.000	0.00	0.55	1.939	O					1.32
93.083	0.00	0.55	1.935	O					1.31
93.167	0.00	0.54	1.931	O					1.31
93.250	0.00	0.54	1.927	O					1.31
93.333	0.00	0.54	1.924	O					1.31
93.417	0.00	0.54	1.920	O					1.30
93.500	0.00	0.54	1.916	O					1.30
93.583	0.00	0.54	1.912	O					1.30
93.667	0.00	0.54	1.909	O					1.30
93.750	0.00	0.54	1.905	O					1.29
93.833	0.00	0.54	1.901	O					1.29
93.917	0.00	0.54	1.898	O					1.29
94.000	0.00	0.54	1.894	O					1.29
94.083	0.00	0.54	1.890	O					1.28
94.167	0.00	0.54	1.886	O					1.28
94.250	0.00	0.54	1.883	O					1.28
94.333	0.00	0.54	1.879	O					1.28
94.417	0.00	0.54	1.875	O					1.27
94.500	0.00	0.54	1.872	O					1.27
94.583	0.00	0.53	1.868	O					1.27
94.667	0.00	0.53	1.864	O					1.27
94.750	0.00	0.53	1.861	O					1.26
94.833	0.00	0.53	1.857	O					1.26
94.917	0.00	0.53	1.853	O					1.26
95.000	0.00	0.53	1.850	O					1.26

95.083	0.00	0.53	1.846	O	|	|	|	|	1.26
95.167	0.00	0.53	1.842	O	|	|	|	|	1.25
95.250	0.00	0.53	1.839	O	|	|	|	|	1.25
95.333	0.00	0.53	1.835	O	|	|	|	|	1.25
95.417	0.00	0.53	1.831	O	|	|	|	|	1.25
95.500	0.00	0.53	1.828	O	|	|	|	|	1.24
95.583	0.00	0.53	1.824	O	|	|	|	|	1.24
95.667	0.00	0.53	1.820	O	|	|	|	|	1.24
95.750	0.00	0.53	1.817	O	|	|	|	|	1.24
95.833	0.00	0.53	1.813	O	|	|	|	|	1.23
95.917	0.00	0.53	1.810	O	|	|	|	|	1.23
96.000	0.00	0.53	1.806	O	|	|	|	|	1.23
96.083	0.00	0.52	1.802	O	|	|	|	|	1.23
96.167	0.00	0.52	1.799	O	|	|	|	|	1.22
96.250	0.00	0.52	1.795	O	|	|	|	|	1.22
96.333	0.00	0.52	1.791	O	|	|	|	|	1.22
96.417	0.00	0.52	1.788	O	|	|	|	|	1.22
96.500	0.00	0.52	1.784	O	|	|	|	|	1.22
96.583	0.00	0.52	1.781	O	|	|	|	|	1.21
96.667	0.00	0.52	1.777	O	|	|	|	|	1.21
96.750	0.00	0.52	1.773	O	|	|	|	|	1.21
96.833	0.00	0.52	1.770	O	|	|	|	|	1.21
96.917	0.00	0.52	1.766	O	|	|	|	|	1.20
97.000	0.00	0.52	1.763	O	|	|	|	|	1.20
97.083	0.00	0.52	1.759	O	|	|	|	|	1.20
97.167	0.00	0.52	1.756	O	|	|	|	|	1.20
97.250	0.00	0.52	1.752	O	|	|	|	|	1.19
97.333	0.00	0.52	1.749	O	|	|	|	|	1.19
97.417	0.00	0.52	1.745	O	|	|	|	|	1.19
97.500	0.00	0.52	1.741	O	|	|	|	|	1.19
97.583	0.00	0.51	1.738	O	|	|	|	|	1.19
97.667	0.00	0.51	1.734	O	|	|	|	|	1.18
97.750	0.00	0.51	1.731	O	|	|	|	|	1.18
97.833	0.00	0.51	1.727	O	|	|	|	|	1.18
97.917	0.00	0.51	1.724	O	|	|	|	|	1.18
98.000	0.00	0.51	1.720	O	|	|	|	|	1.17
98.083	0.00	0.51	1.717	O	|	|	|	|	1.17
98.167	0.00	0.51	1.713	O	|	|	|	|	1.17
98.250	0.00	0.51	1.710	O	|	|	|	|	1.17
98.333	0.00	0.51	1.706	O	|	|	|	|	1.17
98.417	0.00	0.51	1.703	O	|	|	|	|	1.16
98.500	0.00	0.51	1.699	O	|	|	|	|	1.16
98.583	0.00	0.51	1.696	O	|	|	|	|	1.16
98.667	0.00	0.51	1.692	O	|	|	|	|	1.16
98.750	0.00	0.51	1.689	O	|	|	|	|	1.15
98.833	0.00	0.51	1.685	O	|	|	|	|	1.15
98.917	0.00	0.51	1.682	O	|	|	|	|	1.15
99.000	0.00	0.51	1.678	O	|	|	|	|	1.15
99.083	0.00	0.50	1.675	O	|	|	|	|	1.14
99.167	0.00	0.50	1.671	O	|	|	|	|	1.14
99.250	0.00	0.50	1.668	O	|	|	|	|	1.14
99.333	0.00	0.50	1.664	O	|	|	|	|	1.14
99.417	0.00	0.50	1.661	O	|	|	|	|	1.14
99.500	0.00	0.50	1.657	O	|	|	|	|	1.13
99.583	0.00	0.50	1.654	O	|	|	|	|	1.13
99.667	0.00	0.50	1.650	O	|	|	|	|	1.13
99.750	0.00	0.50	1.647	O	|	|	|	|	1.13
99.833	0.00	0.50	1.644	O	|	|	|	|	1.12
99.917	0.00	0.50	1.640	O	|	|	|	|	1.12
100.000	0.00	0.50	1.637	O	|	|	|	|	1.12
100.083	0.00	0.50	1.633	O	|	|	|	|	1.12
100.167	0.00	0.50	1.630	O	|	|	|	|	1.12
100.250	0.00	0.50	1.626	O	|	|	|	|	1.11
100.333	0.00	0.50	1.623	O	|	|	|	|	1.11
100.417	0.00	0.50	1.620	O	|	|	|	|	1.11
100.500	0.00	0.50	1.616	O	|	|	|	|	1.11
100.583	0.00	0.50	1.613	O	|	|	|	|	1.10

100.667	0.00	0.49	1.609	O	|	|	|	1.10
100.750	0.00	0.49	1.606	O	|	|	|	1.10
100.833	0.00	0.49	1.602	O	|	|	|	1.10
100.917	0.00	0.49	1.599	O	|	|	|	1.10
101.000	0.00	0.49	1.596	O	|	|	|	1.09
101.083	0.00	0.49	1.592	O	|	|	|	1.09
101.167	0.00	0.49	1.589	O	|	|	|	1.09
101.250	0.00	0.49	1.586	O	|	|	|	1.09
101.333	0.00	0.49	1.582	O	|	|	|	1.09
101.417	0.00	0.49	1.579	O	|	|	|	1.08
101.500	0.00	0.49	1.575	O	|	|	|	1.08
101.583	0.00	0.49	1.572	O	|	|	|	1.08
101.667	0.00	0.49	1.569	O	|	|	|	1.08
101.750	0.00	0.49	1.565	O	|	|	|	1.07
101.833	0.00	0.49	1.562	O	|	|	|	1.07
101.917	0.00	0.49	1.559	O	|	|	|	1.07
102.000	0.00	0.49	1.555	O	|	|	|	1.07
102.083	0.00	0.49	1.552	O	|	|	|	1.07
102.167	0.00	0.49	1.549	O	|	|	|	1.06
102.250	0.00	0.48	1.545	O	|	|	|	1.06
102.333	0.00	0.48	1.542	O	|	|	|	1.06
102.417	0.00	0.48	1.539	O	|	|	|	1.06
102.500	0.00	0.48	1.535	O	|	|	|	1.05
102.583	0.00	0.48	1.532	O	|	|	|	1.05
102.667	0.00	0.48	1.529	O	|	|	|	1.05
102.750	0.00	0.48	1.525	O	|	|	|	1.05
102.833	0.00	0.48	1.522	O	|	|	|	1.05
102.917	0.00	0.48	1.519	O	|	|	|	1.04
103.000	0.00	0.48	1.515	O	|	|	|	1.04
103.083	0.00	0.48	1.512	O	|	|	|	1.04
103.167	0.00	0.48	1.509	O	|	|	|	1.04
103.250	0.00	0.48	1.505	O	|	|	|	1.04
103.333	0.00	0.48	1.502	O	|	|	|	1.03
103.417	0.00	0.48	1.499	O	|	|	|	1.03
103.500	0.00	0.48	1.496	O	|	|	|	1.03
103.583	0.00	0.48	1.492	O	|	|	|	1.03
103.667	0.00	0.48	1.489	O	|	|	|	1.03
103.750	0.00	0.48	1.486	O	|	|	|	1.02
103.833	0.00	0.48	1.482	O	|	|	|	1.02
103.917	0.00	0.47	1.479	O	|	|	|	1.02
104.000	0.00	0.47	1.476	O	|	|	|	1.02
104.083	0.00	0.47	1.473	O	|	|	|	1.01
104.167	0.00	0.47	1.469	O	|	|	|	1.01
104.250	0.00	0.47	1.466	O	|	|	|	1.01
104.333	0.00	0.47	1.463	O	|	|	|	1.01
104.417	0.00	0.47	1.460	O	|	|	|	1.01
104.500	0.00	0.47	1.456	O	|	|	|	1.00
104.583	0.00	0.47	1.453	O	|	|	|	1.00
104.667	0.00	0.47	1.450	O	|	|	|	1.00
104.750	0.00	0.47	1.447	O	|	|	|	1.00
104.833	0.00	0.47	1.443	O	|	|	|	1.00
104.917	0.00	0.47	1.440	O	|	|	|	0.99
105.000	0.00	0.47	1.437	O	|	|	|	0.99
105.083	0.00	0.46	1.434	O	|	|	|	0.99
105.167	0.00	0.46	1.431	O	|	|	|	0.99
105.250	0.00	0.46	1.427	O	|	|	|	0.98
105.333	0.00	0.46	1.424	O	|	|	|	0.98
105.417	0.00	0.46	1.421	O	|	|	|	0.98
105.500	0.00	0.46	1.418	O	|	|	|	0.98
105.583	0.00	0.46	1.415	O	|	|	|	0.98
105.667	0.00	0.46	1.412	O	|	|	|	0.97
105.750	0.00	0.46	1.408	O	|	|	|	0.97
105.833	0.00	0.46	1.405	O	|	|	|	0.97
105.917	0.00	0.45	1.402	O	|	|	|	0.97
106.000	0.00	0.45	1.399	O	|	|	|	0.96
106.083	0.00	0.45	1.396	O	|	|	|	0.96
106.167	0.00	0.45	1.393	O	|	|	|	0.96

106.250	0.00	0.45	1.390	O	|	|	|	0.96
106.333	0.00	0.45	1.387	O	|	|	|	0.96
106.417	0.00	0.45	1.383	O	|	|	|	0.95
106.500	0.00	0.45	1.380	O	|	|	|	0.95
106.583	0.00	0.45	1.377	O	|	|	|	0.95
106.667	0.00	0.45	1.374	O	|	|	|	0.95
106.750	0.00	0.44	1.371	O	|	|	|	0.95
106.833	0.00	0.44	1.368	O	|	|	|	0.94
106.917	0.00	0.44	1.365	O	|	|	|	0.94
107.000	0.00	0.44	1.362	O	|	|	|	0.94
107.083	0.00	0.44	1.359	O	|	|	|	0.94
107.167	0.00	0.44	1.356	O	|	|	|	0.94
107.250	0.00	0.44	1.353	O	|	|	|	0.93
107.333	0.00	0.44	1.350	O	|	|	|	0.93
107.417	0.00	0.44	1.347	O	|	|	|	0.93
107.500	0.00	0.44	1.344	O	|	|	|	0.93
107.583	0.00	0.43	1.341	O	|	|	|	0.92
107.667	0.00	0.43	1.338	O	|	|	|	0.92
107.750	0.00	0.43	1.335	O	|	|	|	0.92
107.833	0.00	0.43	1.332	O	|	|	|	0.92
107.917	0.00	0.43	1.329	O	|	|	|	0.92
108.000	0.00	0.43	1.326	O	|	|	|	0.91
108.083	0.00	0.43	1.323	O	|	|	|	0.91
108.167	0.00	0.43	1.320	O	|	|	|	0.91
108.250	0.00	0.43	1.317	O	|	|	|	0.91
108.333	0.00	0.43	1.314	O	|	|	|	0.91
108.417	0.00	0.43	1.311	O	|	|	|	0.90
108.500	0.00	0.42	1.308	O	|	|	|	0.90
108.583	0.00	0.42	1.305	O	|	|	|	0.90
108.667	0.00	0.42	1.303	O	|	|	|	0.90
108.750	0.00	0.42	1.300	O	|	|	|	0.90
108.833	0.00	0.42	1.297	O	|	|	|	0.89
108.917	0.00	0.42	1.294	O	|	|	|	0.89
109.000	0.00	0.42	1.291	O	|	|	|	0.89
109.083	0.00	0.42	1.288	O	|	|	|	0.89
109.167	0.00	0.42	1.285	O	|	|	|	0.89
109.250	0.00	0.42	1.282	O	|	|	|	0.88
109.333	0.00	0.41	1.280	O	|	|	|	0.88
109.417	0.00	0.41	1.277	O	|	|	|	0.88
109.500	0.00	0.41	1.274	O	|	|	|	0.88
109.583	0.00	0.41	1.271	O	|	|	|	0.88
109.667	0.00	0.41	1.268	O	|	|	|	0.87
109.750	0.00	0.41	1.265	O	|	|	|	0.87
109.833	0.00	0.41	1.262	O	|	|	|	0.87
109.917	0.00	0.41	1.260	O	|	|	|	0.87
110.000	0.00	0.41	1.257	O	|	|	|	0.87
110.083	0.00	0.41	1.254	O	|	|	|	0.86
110.167	0.00	0.41	1.251	O	|	|	|	0.86
110.250	0.00	0.40	1.248	O	|	|	|	0.86
110.333	0.00	0.40	1.246	O	|	|	|	0.86
110.417	0.00	0.40	1.243	O	|	|	|	0.86
110.500	0.00	0.40	1.240	O	|	|	|	0.86
110.583	0.00	0.40	1.237	O	|	|	|	0.85
110.667	0.00	0.40	1.235	O	|	|	|	0.85
110.750	0.00	0.40	1.232	O	|	|	|	0.85
110.833	0.00	0.40	1.229	O	|	|	|	0.85
110.917	0.00	0.40	1.226	O	|	|	|	0.85
111.000	0.00	0.40	1.224	O	|	|	|	0.84
111.083	0.00	0.40	1.221	O	|	|	|	0.84
111.167	0.00	0.39	1.218	O	|	|	|	0.84
111.250	0.00	0.39	1.215	O	|	|	|	0.84
111.333	0.00	0.39	1.213	O	|	|	|	0.84
111.417	0.00	0.39	1.210	O	|	|	|	0.83
111.500	0.00	0.39	1.207	O	|	|	|	0.83
111.583	0.00	0.39	1.205	O	|	|	|	0.83
111.667	0.00	0.39	1.202	O	|	|	|	0.83
111.750	0.00	0.39	1.199	O	|	|	|	0.83

111.833	0.00	0.39	1.197	O					0.83
111.917	0.00	0.39	1.194	O					0.82
112.000	0.00	0.39	1.191	O					0.82
112.083	0.00	0.39	1.189	O					0.82
112.167	0.00	0.38	1.186	O					0.82
112.250	0.00	0.38	1.183	O					0.82
112.333	0.00	0.38	1.181	O					0.81
112.417	0.00	0.38	1.178	O					0.81
112.500	0.00	0.38	1.175	O					0.81
112.583	0.00	0.38	1.173	O					0.81
112.667	0.00	0.38	1.170	O					0.81
112.750	0.00	0.38	1.168	O					0.81
112.833	0.00	0.38	1.165	O					0.80
112.917	0.00	0.38	1.162	O					0.80
113.000	0.00	0.38	1.160	O					0.80
113.083	0.00	0.38	1.157	O					0.80
113.167	0.00	0.37	1.155	O					0.80
113.250	0.00	0.37	1.152	O					0.79
113.333	0.00	0.37	1.149	O					0.79
113.417	0.00	0.37	1.147	O					0.79
113.500	0.00	0.37	1.144	O					0.79
113.583	0.00	0.37	1.142	O					0.79
113.667	0.00	0.37	1.139	O					0.79
113.750	0.00	0.37	1.137	O					0.78
113.833	0.00	0.37	1.134	O					0.78
113.917	0.00	0.37	1.132	O					0.78
114.000	0.00	0.37	1.129	O					0.78
114.083	0.00	0.37	1.127	O					0.78
114.167	0.00	0.36	1.124	O					0.78
114.250	0.00	0.36	1.122	O					0.77
114.333	0.00	0.36	1.119	O					0.77
114.417	0.00	0.36	1.117	O					0.77
114.500	0.00	0.36	1.114	O					0.77
114.583	0.00	0.36	1.112	O					0.77
114.667	0.00	0.36	1.109	O					0.76
114.750	0.00	0.36	1.107	O					0.76
114.833	0.00	0.36	1.104	O					0.76
114.917	0.00	0.36	1.102	O					0.76
115.000	0.00	0.36	1.099	O					0.76
115.083	0.00	0.36	1.097	O					0.76
115.167	0.00	0.35	1.094	O					0.75
115.250	0.00	0.35	1.092	O					0.75
115.333	0.00	0.35	1.090	O					0.75
115.417	0.00	0.35	1.087	O					0.75
115.500	0.00	0.35	1.085	O					0.75
115.583	0.00	0.35	1.082	O					0.75
115.667	0.00	0.35	1.080	O					0.74
115.750	0.00	0.35	1.077	O					0.74
115.833	0.00	0.35	1.075	O					0.74
115.917	0.00	0.35	1.073	O					0.74
116.000	0.00	0.35	1.070	O					0.74
116.083	0.00	0.35	1.068	O					0.74
116.167	0.00	0.35	1.065	O					0.73
116.250	0.00	0.34	1.063	O					0.73
116.333	0.00	0.34	1.061	O					0.73
116.417	0.00	0.34	1.058	O					0.73
116.500	0.00	0.34	1.056	O					0.73
116.583	0.00	0.34	1.054	O					0.73
116.667	0.00	0.34	1.051	O					0.73
116.750	0.00	0.34	1.049	O					0.72
116.833	0.00	0.34	1.047	O					0.72
116.917	0.00	0.34	1.044	O					0.72
117.000	0.00	0.34	1.042	O					0.72
117.083	0.00	0.34	1.040	O					0.72
117.167	0.00	0.34	1.037	O					0.72
117.250	0.00	0.34	1.035	O					0.71
117.333	0.00	0.33	1.033	O					0.71

117.417	0.00	0.33	1.030	O					0.71
117.500	0.00	0.33	1.028	O					0.71
117.583	0.00	0.33	1.026	O					0.71
117.667	0.00	0.33	1.024	O					0.71
117.750	0.00	0.33	1.021	O					0.70
117.833	0.00	0.33	1.019	O					0.70
117.917	0.00	0.33	1.017	O					0.70
118.000	0.00	0.33	1.014	O					0.70
118.083	0.00	0.33	1.012	O					0.70
118.167	0.00	0.33	1.010	O					0.70
118.250	0.00	0.33	1.008	O					0.69
118.333	0.00	0.33	1.005	O					0.69
118.417	0.00	0.33	1.003	O					0.69
118.500	0.00	0.32	1.001	O					0.69
118.583	0.00	0.32	0.999	O					0.69
118.667	0.00	0.32	0.996	O					0.69
118.750	0.00	0.32	0.994	O					0.69
118.833	0.00	0.32	0.992	O					0.68
118.917	0.00	0.32	0.990	O					0.68
119.000	0.00	0.32	0.988	O					0.68
119.083	0.00	0.32	0.985	O					0.68
119.167	0.00	0.32	0.983	O					0.68
119.250	0.00	0.32	0.981	O					0.68
119.333	0.00	0.32	0.979	O					0.68
119.417	0.00	0.32	0.977	O					0.67
119.500	0.00	0.32	0.974	O					0.67
119.583	0.00	0.32	0.972	O					0.67
119.667	0.00	0.31	0.970	O					0.67
119.750	0.00	0.31	0.968	O					0.67
119.833	0.00	0.31	0.966	O					0.67
119.917	0.00	0.31	0.964	O					0.66
120.000	0.00	0.31	0.961	O					0.66
120.083	0.00	0.31	0.959	O					0.66
120.167	0.00	0.31	0.957	O					0.66
120.250	0.00	0.31	0.955	O					0.66
120.333	0.00	0.31	0.953	O					0.66
120.417	0.00	0.31	0.951	O					0.66
120.500	0.00	0.31	0.949	O					0.65
120.583	0.00	0.31	0.947	O					0.65
120.667	0.00	0.31	0.944	O					0.65
120.750	0.00	0.31	0.942	O					0.65
120.833	0.00	0.30	0.940	O					0.65
120.917	0.00	0.30	0.938	O					0.65
121.000	0.00	0.30	0.936	O					0.65
121.083	0.00	0.30	0.934	O					0.64
121.167	0.00	0.30	0.932	O					0.64
121.250	0.00	0.30	0.930	O					0.64
121.333	0.00	0.30	0.928	O					0.64
121.417	0.00	0.30	0.926	O					0.64
121.500	0.00	0.30	0.924	O					0.64
121.583	0.00	0.30	0.922	O					0.64
121.667	0.00	0.30	0.920	O					0.63
121.750	0.00	0.30	0.917	O					0.63
121.833	0.00	0.30	0.915	O					0.63
121.917	0.00	0.30	0.913	O					0.63
122.000	0.00	0.30	0.911	O					0.63
122.083	0.00	0.29	0.909	O					0.63
122.167	0.00	0.29	0.907	O					0.63
122.250	0.00	0.29	0.905	O					0.62
122.333	0.00	0.29	0.903	O					0.62
122.417	0.00	0.29	0.901	O					0.62
122.500	0.00	0.29	0.899	O					0.62
122.583	0.00	0.29	0.897	O					0.62
122.667	0.00	0.29	0.895	O					0.62
122.750	0.00	0.29	0.893	O					0.62
122.833	0.00	0.29	0.891	O					0.61
122.917	0.00	0.29	0.889	O					0.61

123.000	0.00	0.29	0.887	O	|	|	|	0.61
123.083	0.00	0.29	0.885	O	|	|	|	0.61
123.167	0.00	0.29	0.883	O	|	|	|	0.61
123.250	0.00	0.29	0.881	O	|	|	|	0.61
123.333	0.00	0.29	0.879	O	|	|	|	0.61
123.417	0.00	0.28	0.877	O	|	|	|	0.61
123.500	0.00	0.28	0.875	O	|	|	|	0.60
123.583	0.00	0.28	0.873	O	|	|	|	0.60
123.667	0.00	0.28	0.872	O	|	|	|	0.60
123.750	0.00	0.28	0.870	O	|	|	|	0.60
123.833	0.00	0.28	0.868	O	|	|	|	0.60
123.917	0.00	0.28	0.866	O	|	|	|	0.60
124.000	0.00	0.28	0.864	O	|	|	|	0.60
124.083	0.00	0.28	0.862	O	|	|	|	0.59
124.167	0.00	0.28	0.860	O	|	|	|	0.59
124.250	0.00	0.28	0.858	O	|	|	|	0.59
124.333	0.00	0.28	0.856	O	|	|	|	0.59
124.417	0.00	0.28	0.854	O	|	|	|	0.59
124.500	0.00	0.28	0.852	O	|	|	|	0.59
124.583	0.00	0.28	0.850	O	|	|	|	0.59
124.667	0.00	0.28	0.849	O	|	|	|	0.59
124.750	0.00	0.27	0.847	O	|	|	|	0.58
124.833	0.00	0.27	0.845	O	|	|	|	0.58
124.917	0.00	0.27	0.843	O	|	|	|	0.58
125.000	0.00	0.27	0.841	O	|	|	|	0.58
125.083	0.00	0.27	0.839	O	|	|	|	0.58
125.167	0.00	0.27	0.837	O	|	|	|	0.58
125.250	0.00	0.27	0.835	O	|	|	|	0.58
125.333	0.00	0.27	0.833	O	|	|	|	0.57
125.417	0.00	0.27	0.832	O	|	|	|	0.57
125.500	0.00	0.27	0.830	O	|	|	|	0.57
125.583	0.00	0.27	0.828	O	|	|	|	0.57
125.667	0.00	0.27	0.826	O	|	|	|	0.57
125.750	0.00	0.27	0.824	O	|	|	|	0.57
125.833	0.00	0.27	0.822	O	|	|	|	0.57
125.917	0.00	0.27	0.821	O	|	|	|	0.57
126.000	0.00	0.27	0.819	O	|	|	|	0.56
126.083	0.00	0.26	0.817	O	|	|	|	0.56
126.167	0.00	0.26	0.815	O	|	|	|	0.56
126.250	0.00	0.26	0.813	O	|	|	|	0.56
126.333	0.00	0.26	0.811	O	|	|	|	0.56
126.417	0.00	0.26	0.810	O	|	|	|	0.56
126.500	0.00	0.26	0.808	O	|	|	|	0.56
126.583	0.00	0.26	0.806	O	|	|	|	0.56
126.667	0.00	0.26	0.804	O	|	|	|	0.55
126.750	0.00	0.26	0.802	O	|	|	|	0.55
126.833	0.00	0.26	0.801	O	|	|	|	0.55
126.917	0.00	0.26	0.799	O	|	|	|	0.55
127.000	0.00	0.26	0.797	O	|	|	|	0.55
127.083	0.00	0.26	0.795	O	|	|	|	0.55
127.167	0.00	0.26	0.794	O	|	|	|	0.55
127.250	0.00	0.26	0.792	O	|	|	|	0.55
127.333	0.00	0.26	0.790	O	|	|	|	0.54
127.417	0.00	0.26	0.788	O	|	|	|	0.54
127.500	0.00	0.25	0.786	O	|	|	|	0.54
127.583	0.00	0.25	0.785	O	|	|	|	0.54
127.667	0.00	0.25	0.783	O	|	|	|	0.54
127.750	0.00	0.25	0.781	O	|	|	|	0.54
127.833	0.00	0.25	0.779	O	|	|	|	0.54
127.917	0.00	0.25	0.778	O	|	|	|	0.54
128.000	0.00	0.25	0.776	O	|	|	|	0.54
128.083	0.00	0.25	0.774	O	|	|	|	0.53
128.167	0.00	0.25	0.773	O	|	|	|	0.53
128.250	0.00	0.25	0.771	O	|	|	|	0.53
128.333	0.00	0.25	0.769	O	|	|	|	0.53
128.417	0.00	0.25	0.767	O	|	|	|	0.53
128.500	0.00	0.25	0.766	O	|	|	|	0.53

128.583	0.00	0.25	0.764	O	|	|	|	0.53
128.667	0.00	0.25	0.762	O	|	|	|	0.53
128.750	0.00	0.25	0.761	O	|	|	|	0.52
128.833	0.00	0.25	0.759	O	|	|	|	0.52
128.917	0.00	0.25	0.757	O	|	|	|	0.52
129.000	0.00	0.24	0.756	O	|	|	|	0.52
129.083	0.00	0.24	0.754	O	|	|	|	0.52
129.167	0.00	0.24	0.752	O	|	|	|	0.52
129.250	0.00	0.24	0.750	O	|	|	|	0.52
129.333	0.00	0.24	0.749	O	|	|	|	0.52
129.417	0.00	0.24	0.747	O	|	|	|	0.52
129.500	0.00	0.24	0.745	O	|	|	|	0.51
129.583	0.00	0.24	0.744	O	|	|	|	0.51
129.667	0.00	0.24	0.742	O	|	|	|	0.51
129.750	0.00	0.24	0.740	O	|	|	|	0.51
129.833	0.00	0.24	0.739	O	|	|	|	0.51
129.917	0.00	0.24	0.737	O	|	|	|	0.51
130.000	0.00	0.24	0.736	O	|	|	|	0.51
130.083	0.00	0.24	0.734	O	|	|	|	0.51
130.167	0.00	0.24	0.732	O	|	|	|	0.51
130.250	0.00	0.24	0.731	O	|	|	|	0.50
130.333	0.00	0.24	0.729	O	|	|	|	0.50
130.417	0.00	0.24	0.727	O	|	|	|	0.50
130.500	0.00	0.24	0.726	O	|	|	|	0.50
130.583	0.00	0.23	0.724	O	|	|	|	0.50
130.667	0.00	0.23	0.723	O	|	|	|	0.50
130.750	0.00	0.23	0.721	O	|	|	|	0.50
130.833	0.00	0.23	0.719	O	|	|	|	0.50
130.917	0.00	0.23	0.718	O	|	|	|	0.49
131.000	0.00	0.23	0.716	O	|	|	|	0.49
131.083	0.00	0.23	0.714	O	|	|	|	0.49
131.167	0.00	0.23	0.713	O	|	|	|	0.49
131.250	0.00	0.23	0.711	O	|	|	|	0.49
131.333	0.00	0.23	0.710	O	|	|	|	0.49
131.417	0.00	0.23	0.708	O	|	|	|	0.49
131.500	0.00	0.23	0.707	O	|	|	|	0.49
131.583	0.00	0.23	0.705	O	|	|	|	0.49
131.667	0.00	0.23	0.703	O	|	|	|	0.49
131.750	0.00	0.23	0.702	O	|	|	|	0.48
131.833	0.00	0.23	0.700	O	|	|	|	0.48
131.917	0.00	0.23	0.699	O	|	|	|	0.48
132.000	0.00	0.23	0.697	O	|	|	|	0.48
132.083	0.00	0.23	0.696	O	|	|	|	0.48
132.167	0.00	0.22	0.694	O	|	|	|	0.48
132.250	0.00	0.22	0.693	O	|	|	|	0.48
132.333	0.00	0.22	0.691	O	|	|	|	0.48
132.417	0.00	0.22	0.689	O	|	|	|	0.48
132.500	0.00	0.22	0.688	O	|	|	|	0.47
132.583	0.00	0.22	0.686	O	|	|	|	0.47
132.667	0.00	0.22	0.685	O	|	|	|	0.47
132.750	0.00	0.22	0.683	O	|	|	|	0.47
132.833	0.00	0.22	0.682	O	|	|	|	0.47
132.917	0.00	0.22	0.680	O	|	|	|	0.47
133.000	0.00	0.22	0.679	O	|	|	|	0.47
133.083	0.00	0.22	0.677	O	|	|	|	0.47
133.167	0.00	0.22	0.676	O	|	|	|	0.47
133.250	0.00	0.22	0.674	O	|	|	|	0.46
133.333	0.00	0.22	0.673	O	|	|	|	0.46
133.417	0.00	0.22	0.671	O	|	|	|	0.46
133.500	0.00	0.22	0.670	O	|	|	|	0.46
133.583	0.00	0.22	0.668	O	|	|	|	0.46
133.667	0.00	0.22	0.667	O	|	|	|	0.46
133.750	0.00	0.22	0.665	O	|	|	|	0.46
133.833	0.00	0.22	0.664	O	|	|	|	0.46
133.917	0.00	0.21	0.662	O	|	|	|	0.46
134.000	0.00	0.21	0.661	O	|	|	|	0.46
134.083	0.00	0.21	0.659	O	|	|	|	0.45

134.167	0.00	0.21	0.658	O	|	|	|	|	0.45
134.250	0.00	0.21	0.656	O	|	|	|	|	0.45
134.333	0.00	0.21	0.655	O	|	|	|	|	0.45
134.417	0.00	0.21	0.653	O	|	|	|	|	0.45
134.500	0.00	0.21	0.652	O	|	|	|	|	0.45
134.583	0.00	0.21	0.651	O	|	|	|	|	0.45
134.667	0.00	0.21	0.649	O	|	|	|	|	0.45
134.750	0.00	0.21	0.648	O	|	|	|	|	0.45
134.833	0.00	0.21	0.646	O	|	|	|	|	0.45
134.917	0.00	0.21	0.645	O	|	|	|	|	0.44
135.000	0.00	0.21	0.643	O	|	|	|	|	0.44
135.083	0.00	0.21	0.642	O	|	|	|	|	0.44
135.167	0.00	0.21	0.640	O	|	|	|	|	0.44
135.250	0.00	0.21	0.639	O	|	|	|	|	0.44
135.333	0.00	0.21	0.638	O	|	|	|	|	0.44
135.417	0.00	0.21	0.636	O	|	|	|	|	0.44
135.500	0.00	0.21	0.635	O	|	|	|	|	0.44
135.583	0.00	0.21	0.633	O	|	|	|	|	0.44
135.667	0.00	0.20	0.632	O	|	|	|	|	0.44
135.750	0.00	0.20	0.631	O	|	|	|	|	0.43
135.833	0.00	0.20	0.629	O	|	|	|	|	0.43
135.917	0.00	0.20	0.628	O	|	|	|	|	0.43
136.000	0.00	0.20	0.626	O	|	|	|	|	0.43
136.083	0.00	0.20	0.625	O	|	|	|	|	0.43
136.167	0.00	0.20	0.624	O	|	|	|	|	0.43
136.250	0.00	0.20	0.622	O	|	|	|	|	0.43
136.333	0.00	0.20	0.621	O	|	|	|	|	0.43
136.417	0.00	0.20	0.619	O	|	|	|	|	0.43
136.500	0.00	0.20	0.618	O	|	|	|	|	0.43
136.583	0.00	0.20	0.617	O	|	|	|	|	0.43
136.667	0.00	0.20	0.615	O	|	|	|	|	0.42
136.750	0.00	0.20	0.614	O	|	|	|	|	0.42
136.833	0.00	0.20	0.612	O	|	|	|	|	0.42
136.917	0.00	0.20	0.611	O	|	|	|	|	0.42
137.000	0.00	0.20	0.610	O	|	|	|	|	0.42
137.083	0.00	0.20	0.608	O	|	|	|	|	0.42
137.167	0.00	0.20	0.607	O	|	|	|	|	0.42
137.250	0.00	0.20	0.606	O	|	|	|	|	0.42
137.333	0.00	0.20	0.604	O	|	|	|	|	0.42
137.417	0.00	0.20	0.603	O	|	|	|	|	0.42
137.500	0.00	0.20	0.602	O	|	|	|	|	0.41
137.583	0.00	0.19	0.600	O	|	|	|	|	0.41
137.667	0.00	0.19	0.599	O	|	|	|	|	0.41
137.750	0.00	0.19	0.598	O	|	|	|	|	0.41
137.833	0.00	0.19	0.596	O	|	|	|	|	0.41
137.917	0.00	0.19	0.595	O	|	|	|	|	0.41
138.000	0.00	0.19	0.594	O	|	|	|	|	0.41
138.083	0.00	0.19	0.592	O	|	|	|	|	0.41
138.167	0.00	0.19	0.591	O	|	|	|	|	0.41
138.250	0.00	0.19	0.590	O	|	|	|	|	0.41
138.333	0.00	0.19	0.588	O	|	|	|	|	0.41
138.417	0.00	0.19	0.587	O	|	|	|	|	0.40
138.500	0.00	0.19	0.586	O	|	|	|	|	0.40
138.583	0.00	0.19	0.584	O	|	|	|	|	0.40
138.667	0.00	0.19	0.583	O	|	|	|	|	0.40
138.750	0.00	0.19	0.582	O	|	|	|	|	0.40
138.833	0.00	0.19	0.581	O	|	|	|	|	0.40
138.917	0.00	0.19	0.579	O	|	|	|	|	0.40
139.000	0.00	0.19	0.578	O	|	|	|	|	0.40
139.083	0.00	0.19	0.577	O	|	|	|	|	0.40
139.167	0.00	0.19	0.575	O	|	|	|	|	0.40
139.250	0.00	0.19	0.574	O	|	|	|	|	0.40
139.333	0.00	0.19	0.573	O	|	|	|	|	0.40
139.417	0.00	0.19	0.572	O	|	|	|	|	0.39
139.500	0.00	0.18	0.570	O	|	|	|	|	0.39
139.583	0.00	0.18	0.569	O	|	|	|	|	0.39
139.667	0.00	0.18	0.568	O	|	|	|	|	0.39

139.750	0.00	0.18	0.566	O	|	|	|	0.39
139.833	0.00	0.18	0.565	O	|	|	|	0.39
139.917	0.00	0.18	0.564	O	|	|	|	0.39
140.000	0.00	0.18	0.563	O	|	|	|	0.39
140.083	0.00	0.18	0.561	O	|	|	|	0.39
140.167	0.00	0.18	0.560	O	|	|	|	0.39
140.250	0.00	0.18	0.559	O	|	|	|	0.39
140.333	0.00	0.18	0.558	O	|	|	|	0.38
140.417	0.00	0.18	0.556	O	|	|	|	0.38
140.500	0.00	0.18	0.555	O	|	|	|	0.38
140.583	0.00	0.18	0.554	O	|	|	|	0.38
140.667	0.00	0.18	0.553	O	|	|	|	0.38
140.750	0.00	0.18	0.551	O	|	|	|	0.38
140.833	0.00	0.18	0.550	O	|	|	|	0.38
140.917	0.00	0.18	0.549	O	|	|	|	0.38
141.000	0.00	0.18	0.548	O	|	|	|	0.38
141.083	0.00	0.18	0.547	O	|	|	|	0.38
141.167	0.00	0.18	0.545	O	|	|	|	0.38
141.250	0.00	0.18	0.544	O	|	|	|	0.38
141.333	0.00	0.18	0.543	O	|	|	|	0.37
141.417	0.00	0.18	0.542	O	|	|	|	0.37
141.500	0.00	0.18	0.541	O	|	|	|	0.37
141.583	0.00	0.17	0.539	O	|	|	|	0.37
141.667	0.00	0.17	0.538	O	|	|	|	0.37
141.750	0.00	0.17	0.537	O	|	|	|	0.37
141.833	0.00	0.17	0.536	O	|	|	|	0.37
141.917	0.00	0.17	0.535	O	|	|	|	0.37
142.000	0.00	0.17	0.533	O	|	|	|	0.37
142.083	0.00	0.17	0.532	O	|	|	|	0.37
142.167	0.00	0.17	0.531	O	|	|	|	0.37
142.250	0.00	0.17	0.530	O	|	|	|	0.37
142.333	0.00	0.17	0.529	O	|	|	|	0.36
142.417	0.00	0.17	0.527	O	|	|	|	0.36
142.500	0.00	0.17	0.526	O	|	|	|	0.36
142.583	0.00	0.17	0.525	O	|	|	|	0.36
142.667	0.00	0.17	0.524	O	|	|	|	0.36
142.750	0.00	0.17	0.523	O	|	|	|	0.36
142.833	0.00	0.17	0.522	O	|	|	|	0.36
142.917	0.00	0.17	0.520	O	|	|	|	0.36
143.000	0.00	0.17	0.519	O	|	|	|	0.36
143.083	0.00	0.17	0.518	O	|	|	|	0.36
143.167	0.00	0.17	0.517	O	|	|	|	0.36
143.250	0.00	0.17	0.516	O	|	|	|	0.36
143.333	0.00	0.17	0.515	O	|	|	|	0.35
143.417	0.00	0.17	0.513	O	|	|	|	0.35
143.500	0.00	0.17	0.512	O	|	|	|	0.35
143.583	0.00	0.17	0.511	O	|	|	|	0.35
143.667	0.00	0.17	0.510	O	|	|	|	0.35
143.750	0.00	0.16	0.509	O	|	|	|	0.35
143.833	0.00	0.16	0.508	O	|	|	|	0.35
143.917	0.00	0.16	0.507	O	|	|	|	0.35
144.000	0.00	0.16	0.506	O	|	|	|	0.35
144.083	0.00	0.16	0.504	O	|	|	|	0.35
144.167	0.00	0.16	0.503	O	|	|	|	0.35
144.250	0.00	0.16	0.502	O	|	|	|	0.35
144.333	0.00	0.16	0.501	O	|	|	|	0.35
144.417	0.00	0.16	0.500	O	|	|	|	0.34
144.500	0.00	0.16	0.499	O	|	|	|	0.34
144.583	0.00	0.16	0.498	O	|	|	|	0.34
144.667	0.00	0.16	0.497	O	|	|	|	0.34
144.750	0.00	0.16	0.495	O	|	|	|	0.34
144.833	0.00	0.16	0.494	O	|	|	|	0.34
144.917	0.00	0.16	0.493	O	|	|	|	0.34
145.000	0.00	0.16	0.492	O	|	|	|	0.34
145.083	0.00	0.16	0.491	O	|	|	|	0.34
145.167	0.00	0.16	0.490	O	|	|	|	0.34
145.250	0.00	0.16	0.489	O	|	|	|	0.34

145.333	0.00	0.16	0.488	O	|	|	|	|	0.34
145.417	0.00	0.16	0.487	O	|	|	|	|	0.34
145.500	0.00	0.16	0.486	O	|	|	|	|	0.33
145.583	0.00	0.16	0.485	O	|	|	|	|	0.33
145.667	0.00	0.16	0.483	O	|	|	|	|	0.33
145.750	0.00	0.16	0.482	O	|	|	|	|	0.33
145.833	0.00	0.16	0.481	O	|	|	|	|	0.33
145.917	0.00	0.16	0.480	O	|	|	|	|	0.33
146.000	0.00	0.16	0.479	O	|	|	|	|	0.33
146.083	0.00	0.15	0.478	O	|	|	|	|	0.33
146.167	0.00	0.15	0.477	O	|	|	|	|	0.33
146.250	0.00	0.15	0.476	O	|	|	|	|	0.33
146.333	0.00	0.15	0.475	O	|	|	|	|	0.33
146.417	0.00	0.15	0.474	O	|	|	|	|	0.33
146.500	0.00	0.15	0.473	O	|	|	|	|	0.33
146.583	0.00	0.15	0.472	O	|	|	|	|	0.33
146.667	0.00	0.15	0.471	O	|	|	|	|	0.32
146.750	0.00	0.15	0.470	O	|	|	|	|	0.32
146.833	0.00	0.15	0.469	O	|	|	|	|	0.32
146.917	0.00	0.15	0.468	O	|	|	|	|	0.32
147.000	0.00	0.15	0.466	O	|	|	|	|	0.32
147.083	0.00	0.15	0.465	O	|	|	|	|	0.32
147.167	0.00	0.15	0.464	O	|	|	|	|	0.32
147.250	0.00	0.15	0.463	O	|	|	|	|	0.32
147.333	0.00	0.15	0.462	O	|	|	|	|	0.32
147.417	0.00	0.15	0.461	O	|	|	|	|	0.32
147.500	0.00	0.15	0.460	O	|	|	|	|	0.32
147.583	0.00	0.15	0.459	O	|	|	|	|	0.32
147.667	0.00	0.15	0.458	O	|	|	|	|	0.32
147.750	0.00	0.15	0.457	O	|	|	|	|	0.32
147.833	0.00	0.15	0.456	O	|	|	|	|	0.31
147.917	0.00	0.15	0.455	O	|	|	|	|	0.31
148.000	0.00	0.15	0.454	O	|	|	|	|	0.31
148.083	0.00	0.15	0.453	O	|	|	|	|	0.31
148.167	0.00	0.15	0.452	O	|	|	|	|	0.31
148.250	0.00	0.15	0.451	O	|	|	|	|	0.31
148.333	0.00	0.15	0.450	O	|	|	|	|	0.31
148.417	0.00	0.15	0.449	O	|	|	|	|	0.31
148.500	0.00	0.15	0.448	O	|	|	|	|	0.31
148.583	0.00	0.14	0.447	O	|	|	|	|	0.31
148.667	0.00	0.14	0.446	O	|	|	|	|	0.31
148.750	0.00	0.14	0.445	O	|	|	|	|	0.31
148.833	0.00	0.14	0.444	O	|	|	|	|	0.31
148.917	0.00	0.14	0.443	O	|	|	|	|	0.31
149.000	0.00	0.14	0.442	O	|	|	|	|	0.30
149.083	0.00	0.14	0.441	O	|	|	|	|	0.30
149.167	0.00	0.14	0.440	O	|	|	|	|	0.30
149.250	0.00	0.14	0.439	O	|	|	|	|	0.30
149.333	0.00	0.14	0.438	O	|	|	|	|	0.30
149.417	0.00	0.14	0.437	O	|	|	|	|	0.30
149.500	0.00	0.14	0.436	O	|	|	|	|	0.30
149.583	0.00	0.14	0.435	O	|	|	|	|	0.30
149.667	0.00	0.14	0.434	O	|	|	|	|	0.30
149.750	0.00	0.14	0.433	O	|	|	|	|	0.30
149.833	0.00	0.14	0.432	O	|	|	|	|	0.30
149.917	0.00	0.14	0.431	O	|	|	|	|	0.30
150.000	0.00	0.14	0.430	O	|	|	|	|	0.30
150.083	0.00	0.14	0.429	O	|	|	|	|	0.30
150.167	0.00	0.14	0.429	O	|	|	|	|	0.30
150.250	0.00	0.14	0.428	O	|	|	|	|	0.29
150.333	0.00	0.14	0.427	O	|	|	|	|	0.29
150.417	0.00	0.14	0.426	O	|	|	|	|	0.29
150.500	0.00	0.14	0.425	O	|	|	|	|	0.29
150.583	0.00	0.14	0.424	O	|	|	|	|	0.29
150.667	0.00	0.14	0.423	O	|	|	|	|	0.29
150.750	0.00	0.14	0.422	O	|	|	|	|	0.29
150.833	0.00	0.14	0.421	O	|	|	|	|	0.29

150.917	0.00	0.14	0.420	O	|	|	|	|	0.29
151.000	0.00	0.14	0.419	O	|	|	|	|	0.29
151.083	0.00	0.14	0.418	O	|	|	|	|	0.29
151.167	0.00	0.14	0.417	O	|	|	|	|	0.29
151.250	0.00	0.13	0.416	O	|	|	|	|	0.29
151.333	0.00	0.13	0.415	O	|	|	|	|	0.29
151.417	0.00	0.13	0.414	O	|	|	|	|	0.29
151.500	0.00	0.13	0.413	O	|	|	|	|	0.29
151.583	0.00	0.13	0.413	O	|	|	|	|	0.28
151.667	0.00	0.13	0.412	O	|	|	|	|	0.28
151.750	0.00	0.13	0.411	O	|	|	|	|	0.28
151.833	0.00	0.13	0.410	O	|	|	|	|	0.28
151.917	0.00	0.13	0.409	O	|	|	|	|	0.28
152.000	0.00	0.13	0.408	O	|	|	|	|	0.28
152.083	0.00	0.13	0.407	O	|	|	|	|	0.28
152.167	0.00	0.13	0.406	O	|	|	|	|	0.28
152.250	0.00	0.13	0.405	O	|	|	|	|	0.28
152.333	0.00	0.13	0.404	O	|	|	|	|	0.28
152.417	0.00	0.13	0.403	O	|	|	|	|	0.28
152.500	0.00	0.13	0.403	O	|	|	|	|	0.28
152.583	0.00	0.13	0.402	O	|	|	|	|	0.28
152.667	0.00	0.13	0.401	O	|	|	|	|	0.28
152.750	0.00	0.13	0.400	O	|	|	|	|	0.28
152.833	0.00	0.13	0.399	O	|	|	|	|	0.28
152.917	0.00	0.13	0.398	O	|	|	|	|	0.27
153.000	0.00	0.13	0.397	O	|	|	|	|	0.27
153.083	0.00	0.13	0.396	O	|	|	|	|	0.27
153.167	0.00	0.13	0.395	O	|	|	|	|	0.27
153.250	0.00	0.13	0.395	O	|	|	|	|	0.27
153.333	0.00	0.13	0.394	O	|	|	|	|	0.27
153.417	0.00	0.13	0.393	O	|	|	|	|	0.27
153.500	0.00	0.13	0.392	O	|	|	|	|	0.27
153.583	0.00	0.13	0.391	O	|	|	|	|	0.27
153.667	0.00	0.13	0.390	O	|	|	|	|	0.27
153.750	0.00	0.13	0.389	O	|	|	|	|	0.27
153.833	0.00	0.13	0.388	O	|	|	|	|	0.27
153.917	0.00	0.13	0.388	O	|	|	|	|	0.27
154.000	0.00	0.13	0.387	O	|	|	|	|	0.27
154.083	0.00	0.13	0.386	O	|	|	|	|	0.27
154.167	0.00	0.12	0.385	O	|	|	|	|	0.27
154.250	0.00	0.12	0.384	O	|	|	|	|	0.26
154.333	0.00	0.12	0.383	O	|	|	|	|	0.26
154.417	0.00	0.12	0.382	O	|	|	|	|	0.26
154.500	0.00	0.12	0.382	O	|	|	|	|	0.26
154.583	0.00	0.12	0.381	O	|	|	|	|	0.26
154.667	0.00	0.12	0.380	O	|	|	|	|	0.26
154.750	0.00	0.12	0.379	O	|	|	|	|	0.26
154.833	0.00	0.12	0.378	O	|	|	|	|	0.26
154.917	0.00	0.12	0.377	O	|	|	|	|	0.26
155.000	0.00	0.12	0.376	O	|	|	|	|	0.26
155.083	0.00	0.12	0.376	O	|	|	|	|	0.26
155.167	0.00	0.12	0.375	O	|	|	|	|	0.26
155.250	0.00	0.12	0.374	O	|	|	|	|	0.26
155.333	0.00	0.12	0.373	O	|	|	|	|	0.26
155.417	0.00	0.12	0.372	O	|	|	|	|	0.26
155.500	0.00	0.12	0.371	O	|	|	|	|	0.26
155.583	0.00	0.12	0.371	O	|	|	|	|	0.26
155.667	0.00	0.12	0.370	O	|	|	|	|	0.26
155.750	0.00	0.12	0.369	O	|	|	|	|	0.25
155.833	0.00	0.12	0.368	O	|	|	|	|	0.25
155.917	0.00	0.12	0.367	O	|	|	|	|	0.25
156.000	0.00	0.12	0.367	O	|	|	|	|	0.25
156.083	0.00	0.12	0.366	O	|	|	|	|	0.25
156.167	0.00	0.12	0.365	O	|	|	|	|	0.25
156.250	0.00	0.12	0.364	O	|	|	|	|	0.25
156.333	0.00	0.12	0.363	O	|	|	|	|	0.25
156.417	0.00	0.12	0.362	O	|	|	|	|	0.25

156.500	0.00	0.12	0.362	O	|	|	|	|	0.25
156.583	0.00	0.12	0.361	O	|	|	|	|	0.25
156.667	0.00	0.12	0.360	O	|	|	|	|	0.25
156.750	0.00	0.12	0.359	O	|	|	|	|	0.25
156.833	0.00	0.12	0.358	O	|	|	|	|	0.25
156.917	0.00	0.12	0.358	O	|	|	|	|	0.25
157.000	0.00	0.12	0.357	O	|	|	|	|	0.25
157.083	0.00	0.12	0.356	O	|	|	|	|	0.25
157.167	0.00	0.12	0.355	O	|	|	|	|	0.25
157.250	0.00	0.11	0.354	O	|	|	|	|	0.24
157.333	0.00	0.11	0.354	O	|	|	|	|	0.24
157.417	0.00	0.11	0.353	O	|	|	|	|	0.24
157.500	0.00	0.11	0.352	O	|	|	|	|	0.24
157.583	0.00	0.11	0.351	O	|	|	|	|	0.24
157.667	0.00	0.11	0.351	O	|	|	|	|	0.24
157.750	0.00	0.11	0.350	O	|	|	|	|	0.24
157.833	0.00	0.11	0.349	O	|	|	|	|	0.24
157.917	0.00	0.11	0.348	O	|	|	|	|	0.24
158.000	0.00	0.11	0.347	O	|	|	|	|	0.24
158.083	0.00	0.11	0.347	O	|	|	|	|	0.24
158.167	0.00	0.11	0.346	O	|	|	|	|	0.24
158.250	0.00	0.11	0.345	O	|	|	|	|	0.24
158.333	0.00	0.11	0.344	O	|	|	|	|	0.24
158.417	0.00	0.11	0.344	O	|	|	|	|	0.24
158.500	0.00	0.11	0.343	O	|	|	|	|	0.24
158.583	0.00	0.11	0.342	O	|	|	|	|	0.24
158.667	0.00	0.11	0.341	O	|	|	|	|	0.24
158.750	0.00	0.11	0.341	O	|	|	|	|	0.23
158.833	0.00	0.11	0.340	O	|	|	|	|	0.23
158.917	0.00	0.11	0.339	O	|	|	|	|	0.23
159.000	0.00	0.11	0.338	O	|	|	|	|	0.23
159.083	0.00	0.11	0.337	O	|	|	|	|	0.23
159.167	0.00	0.11	0.337	O	|	|	|	|	0.23
159.250	0.00	0.11	0.336	O	|	|	|	|	0.23
159.333	0.00	0.11	0.335	O	|	|	|	|	0.23
159.417	0.00	0.11	0.334	O	|	|	|	|	0.23
159.500	0.00	0.11	0.334	O	|	|	|	|	0.23
159.583	0.00	0.11	0.333	O	|	|	|	|	0.23
159.667	0.00	0.11	0.332	O	|	|	|	|	0.23
159.750	0.00	0.11	0.332	O	|	|	|	|	0.23
159.833	0.00	0.11	0.331	O	|	|	|	|	0.23
159.917	0.00	0.11	0.330	O	|	|	|	|	0.23
160.000	0.00	0.11	0.329	O	|	|	|	|	0.23
160.083	0.00	0.11	0.329	O	|	|	|	|	0.23
160.167	0.00	0.11	0.328	O	|	|	|	|	0.23
160.250	0.00	0.11	0.327	O	|	|	|	|	0.23
160.333	0.00	0.11	0.326	O	|	|	|	|	0.23
160.417	0.00	0.11	0.326	O	|	|	|	|	0.22
160.500	0.00	0.11	0.325	O	|	|	|	|	0.22
160.583	0.00	0.11	0.324	O	|	|	|	|	0.22
160.667	0.00	0.10	0.323	O	|	|	|	|	0.22
160.750	0.00	0.10	0.323	O	|	|	|	|	0.22
160.833	0.00	0.10	0.322	O	|	|	|	|	0.22
160.917	0.00	0.10	0.321	O	|	|	|	|	0.22
161.000	0.00	0.10	0.321	O	|	|	|	|	0.22
161.083	0.00	0.10	0.320	O	|	|	|	|	0.22
161.167	0.00	0.10	0.319	O	|	|	|	|	0.22
161.250	0.00	0.10	0.318	O	|	|	|	|	0.22
161.333	0.00	0.10	0.318	O	|	|	|	|	0.22
161.417	0.00	0.10	0.317	O	|	|	|	|	0.22
161.500	0.00	0.10	0.316	O	|	|	|	|	0.22
161.583	0.00	0.10	0.316	O	|	|	|	|	0.22
161.667	0.00	0.10	0.315	O	|	|	|	|	0.22
161.750	0.00	0.10	0.314	O	|	|	|	|	0.22
161.833	0.00	0.10	0.314	O	|	|	|	|	0.22
161.917	0.00	0.10	0.313	O	|	|	|	|	0.22
162.000	0.00	0.10	0.312	O	|	|	|	|	0.22

162.083	0.00	0.10	0.311	O	|	|	|	|	0.21
162.167	0.00	0.10	0.311	O	|	|	|	|	0.21
162.250	0.00	0.10	0.310	O	|	|	|	|	0.21
162.333	0.00	0.10	0.309	O	|	|	|	|	0.21
162.417	0.00	0.10	0.309	O	|	|	|	|	0.21
162.500	0.00	0.10	0.308	O	|	|	|	|	0.21
162.583	0.00	0.10	0.307	O	|	|	|	|	0.21
162.667	0.00	0.10	0.307	O	|	|	|	|	0.21
162.750	0.00	0.10	0.306	O	|	|	|	|	0.21
162.833	0.00	0.10	0.305	O	|	|	|	|	0.21
162.917	0.00	0.10	0.305	O	|	|	|	|	0.21
163.000	0.00	0.10	0.304	O	|	|	|	|	0.21
163.083	0.00	0.10	0.303	O	|	|	|	|	0.21
163.167	0.00	0.10	0.303	O	|	|	|	|	0.21
163.250	0.00	0.10	0.302	O	|	|	|	|	0.21
163.333	0.00	0.10	0.301	O	|	|	|	|	0.21
163.417	0.00	0.10	0.300	O	|	|	|	|	0.21
163.500	0.00	0.10	0.300	O	|	|	|	|	0.21
163.583	0.00	0.10	0.299	O	|	|	|	|	0.21
163.667	0.00	0.10	0.298	O	|	|	|	|	0.21
163.750	0.00	0.10	0.298	O	|	|	|	|	0.21
163.833	0.00	0.10	0.297	O	|	|	|	|	0.20
163.917	0.00	0.10	0.296	O	|	|	|	|	0.20
164.000	0.00	0.10	0.296	O	|	|	|	|	0.20
164.083	0.00	0.10	0.295	O	|	|	|	|	0.20
164.167	0.00	0.10	0.295	O	|	|	|	|	0.20
164.250	0.00	0.10	0.294	O	|	|	|	|	0.20
164.333	0.00	0.10	0.293	O	|	|	|	|	0.20
164.417	0.00	0.09	0.293	O	|	|	|	|	0.20
164.500	0.00	0.09	0.292	O	|	|	|	|	0.20
164.583	0.00	0.09	0.291	O	|	|	|	|	0.20
164.667	0.00	0.09	0.291	O	|	|	|	|	0.20
164.750	0.00	0.09	0.290	O	|	|	|	|	0.20
164.833	0.00	0.09	0.289	O	|	|	|	|	0.20
164.917	0.00	0.09	0.289	O	|	|	|	|	0.20
165.000	0.00	0.09	0.288	O	|	|	|	|	0.20
165.083	0.00	0.09	0.287	O	|	|	|	|	0.20
165.167	0.00	0.09	0.287	O	|	|	|	|	0.20
165.250	0.00	0.09	0.286	O	|	|	|	|	0.20
165.333	0.00	0.09	0.285	O	|	|	|	|	0.20
165.417	0.00	0.09	0.285	O	|	|	|	|	0.20
165.500	0.00	0.09	0.284	O	|	|	|	|	0.20
165.583	0.00	0.09	0.284	O	|	|	|	|	0.20
165.667	0.00	0.09	0.283	O	|	|	|	|	0.20
165.750	0.00	0.09	0.282	O	|	|	|	|	0.19
165.833	0.00	0.09	0.282	O	|	|	|	|	0.19
165.917	0.00	0.09	0.281	O	|	|	|	|	0.19
166.000	0.00	0.09	0.280	O	|	|	|	|	0.19
166.083	0.00	0.09	0.280	O	|	|	|	|	0.19
166.167	0.00	0.09	0.279	O	|	|	|	|	0.19
166.250	0.00	0.09	0.279	O	|	|	|	|	0.19
166.333	0.00	0.09	0.278	O	|	|	|	|	0.19
166.417	0.00	0.09	0.277	O	|	|	|	|	0.19
166.500	0.00	0.09	0.277	O	|	|	|	|	0.19
166.583	0.00	0.09	0.276	O	|	|	|	|	0.19
166.667	0.00	0.09	0.275	O	|	|	|	|	0.19
166.750	0.00	0.09	0.275	O	|	|	|	|	0.19
166.833	0.00	0.09	0.274	O	|	|	|	|	0.19
166.917	0.00	0.09	0.274	O	|	|	|	|	0.19
167.000	0.00	0.09	0.273	O	|	|	|	|	0.19
167.083	0.00	0.09	0.272	O	|	|	|	|	0.19
167.167	0.00	0.09	0.272	O	|	|	|	|	0.19
167.250	0.00	0.09	0.271	O	|	|	|	|	0.19
167.333	0.00	0.09	0.271	O	|	|	|	|	0.19
167.417	0.00	0.09	0.270	O	|	|	|	|	0.19
167.500	0.00	0.09	0.269	O	|	|	|	|	0.19
167.583	0.00	0.09	0.269	O	|	|	|	|	0.19

167.667	0.00	0.09	0.268	O	|	|	|	|	0.18
167.750	0.00	0.09	0.268	O	|	|	|	|	0.18
167.833	0.00	0.09	0.267	O	|	|	|	|	0.18
167.917	0.00	0.09	0.266	O	|	|	|	|	0.18
168.000	0.00	0.09	0.266	O	|	|	|	|	0.18
168.083	0.00	0.09	0.265	O	|	|	|	|	0.18
168.167	0.00	0.09	0.265	O	|	|	|	|	0.18
168.250	0.00	0.09	0.264	O	|	|	|	|	0.18
168.333	0.00	0.09	0.263	O	|	|	|	|	0.18
168.417	0.00	0.09	0.263	O	|	|	|	|	0.18
168.500	0.00	0.09	0.262	O	|	|	|	|	0.18
168.583	0.00	0.08	0.262	O	|	|	|	|	0.18
168.667	0.00	0.08	0.261	O	|	|	|	|	0.18
168.750	0.00	0.08	0.260	O	|	|	|	|	0.18
168.833	0.00	0.08	0.260	O	|	|	|	|	0.18
168.917	0.00	0.08	0.259	O	|	|	|	|	0.18
169.000	0.00	0.08	0.259	O	|	|	|	|	0.18
169.083	0.00	0.08	0.258	O	|	|	|	|	0.18
169.167	0.00	0.08	0.258	O	|	|	|	|	0.18
169.250	0.00	0.08	0.257	O	|	|	|	|	0.18
169.333	0.00	0.08	0.256	O	|	|	|	|	0.18
169.417	0.00	0.08	0.256	O	|	|	|	|	0.18
169.500	0.00	0.08	0.255	O	|	|	|	|	0.18
169.583	0.00	0.08	0.255	O	|	|	|	|	0.18
169.667	0.00	0.08	0.254	O	|	|	|	|	0.18
169.750	0.00	0.08	0.254	O	|	|	|	|	0.17
169.833	0.00	0.08	0.253	O	|	|	|	|	0.17
169.917	0.00	0.08	0.252	O	|	|	|	|	0.17
170.000	0.00	0.08	0.252	O	|	|	|	|	0.17
170.083	0.00	0.08	0.251	O	|	|	|	|	0.17
170.167	0.00	0.08	0.251	O	|	|	|	|	0.17
170.250	0.00	0.08	0.250	O	|	|	|	|	0.17
170.333	0.00	0.08	0.250	O	|	|	|	|	0.17
170.417	0.00	0.08	0.249	O	|	|	|	|	0.17
170.500	0.00	0.08	0.249	O	|	|	|	|	0.17
170.583	0.00	0.08	0.248	O	|	|	|	|	0.17
170.667	0.00	0.08	0.247	O	|	|	|	|	0.17
170.750	0.00	0.08	0.247	O	|	|	|	|	0.17
170.833	0.00	0.08	0.246	O	|	|	|	|	0.17
170.917	0.00	0.08	0.246	O	|	|	|	|	0.17
171.000	0.00	0.08	0.245	O	|	|	|	|	0.17
171.083	0.00	0.08	0.245	O	|	|	|	|	0.17
171.167	0.00	0.08	0.244	O	|	|	|	|	0.17
171.250	0.00	0.08	0.244	O	|	|	|	|	0.17
171.333	0.00	0.08	0.243	O	|	|	|	|	0.17
171.417	0.00	0.08	0.243	O	|	|	|	|	0.17
171.500	0.00	0.08	0.242	O	|	|	|	|	0.17
171.583	0.00	0.08	0.241	O	|	|	|	|	0.17
171.667	0.00	0.08	0.241	O	|	|	|	|	0.17
171.750	0.00	0.08	0.240	O	|	|	|	|	0.17
171.833	0.00	0.08	0.240	O	|	|	|	|	0.17
171.917	0.00	0.08	0.239	O	|	|	|	|	0.17
172.000	0.00	0.08	0.239	O	|	|	|	|	0.16
172.083	0.00	0.08	0.238	O	|	|	|	|	0.16
172.167	0.00	0.08	0.238	O	|	|	|	|	0.16
172.250	0.00	0.08	0.237	O	|	|	|	|	0.16
172.333	0.00	0.08	0.237	O	|	|	|	|	0.16
172.417	0.00	0.08	0.236	O	|	|	|	|	0.16
172.500	0.00	0.08	0.236	O	|	|	|	|	0.16
172.583	0.00	0.08	0.235	O	|	|	|	|	0.16
172.667	0.00	0.08	0.235	O	|	|	|	|	0.16
172.750	0.00	0.08	0.234	O	|	|	|	|	0.16
172.833	0.00	0.08	0.233	O	|	|	|	|	0.16
172.917	0.00	0.08	0.233	O	|	|	|	|	0.16
173.000	0.00	0.08	0.232	O	|	|	|	|	0.16
173.083	0.00	0.08	0.232	O	|	|	|	|	0.16
173.167	0.00	0.08	0.231	O	|	|	|	|	0.16

173.250	0.00	0.07	0.231	O	|	|	|	|	0.16
173.333	0.00	0.07	0.230	O	|	|	|	|	0.16
173.417	0.00	0.07	0.230	O	|	|	|	|	0.16
173.500	0.00	0.07	0.229	O	|	|	|	|	0.16
173.583	0.00	0.07	0.229	O	|	|	|	|	0.16
173.667	0.00	0.07	0.228	O	|	|	|	|	0.16
173.750	0.00	0.07	0.228	O	|	|	|	|	0.16
173.833	0.00	0.07	0.227	O	|	|	|	|	0.16
173.917	0.00	0.07	0.227	O	|	|	|	|	0.16
174.000	0.00	0.07	0.226	O	|	|	|	|	0.16
174.083	0.00	0.07	0.226	O	|	|	|	|	0.16
174.167	0.00	0.07	0.225	O	|	|	|	|	0.16
174.250	0.00	0.07	0.225	O	|	|	|	|	0.16
174.333	0.00	0.07	0.224	O	|	|	|	|	0.15
174.417	0.00	0.07	0.224	O	|	|	|	|	0.15
174.500	0.00	0.07	0.223	O	|	|	|	|	0.15
174.583	0.00	0.07	0.223	O	|	|	|	|	0.15
174.667	0.00	0.07	0.222	O	|	|	|	|	0.15
174.750	0.00	0.07	0.222	O	|	|	|	|	0.15
174.833	0.00	0.07	0.221	O	|	|	|	|	0.15
174.917	0.00	0.07	0.221	O	|	|	|	|	0.15
175.000	0.00	0.07	0.220	O	|	|	|	|	0.15
175.083	0.00	0.07	0.220	O	|	|	|	|	0.15
175.167	0.00	0.07	0.219	O	|	|	|	|	0.15
175.250	0.00	0.07	0.219	O	|	|	|	|	0.15
175.333	0.00	0.07	0.218	O	|	|	|	|	0.15
175.417	0.00	0.07	0.218	O	|	|	|	|	0.15
175.500	0.00	0.07	0.217	O	|	|	|	|	0.15
175.583	0.00	0.07	0.217	O	|	|	|	|	0.15
175.667	0.00	0.07	0.216	O	|	|	|	|	0.15
175.750	0.00	0.07	0.216	O	|	|	|	|	0.15
175.833	0.00	0.07	0.215	O	|	|	|	|	0.15
175.917	0.00	0.07	0.215	O	|	|	|	|	0.15
176.000	0.00	0.07	0.215	O	|	|	|	|	0.15
176.083	0.00	0.07	0.214	O	|	|	|	|	0.15
176.167	0.00	0.07	0.214	O	|	|	|	|	0.15
176.250	0.00	0.07	0.213	O	|	|	|	|	0.15
176.333	0.00	0.07	0.213	O	|	|	|	|	0.15
176.417	0.00	0.07	0.212	O	|	|	|	|	0.15
176.500	0.00	0.07	0.212	O	|	|	|	|	0.15
176.583	0.00	0.07	0.211	O	|	|	|	|	0.15
176.667	0.00	0.07	0.211	O	|	|	|	|	0.15
176.750	0.00	0.07	0.210	O	|	|	|	|	0.14
176.833	0.00	0.07	0.210	O	|	|	|	|	0.14
176.917	0.00	0.07	0.209	O	|	|	|	|	0.14
177.000	0.00	0.07	0.209	O	|	|	|	|	0.14
177.083	0.00	0.07	0.208	O	|	|	|	|	0.14
177.167	0.00	0.07	0.208	O	|	|	|	|	0.14
177.250	0.00	0.07	0.207	O	|	|	|	|	0.14
177.333	0.00	0.07	0.207	O	|	|	|	|	0.14
177.417	0.00	0.07	0.207	O	|	|	|	|	0.14
177.500	0.00	0.07	0.206	O	|	|	|	|	0.14
177.583	0.00	0.07	0.206	O	|	|	|	|	0.14
177.667	0.00	0.07	0.205	O	|	|	|	|	0.14
177.750	0.00	0.07	0.205	O	|	|	|	|	0.14
177.833	0.00	0.07	0.204	O	|	|	|	|	0.14
177.917	0.00	0.07	0.204	O	|	|	|	|	0.14
178.000	0.00	0.07	0.203	O	|	|	|	|	0.14
178.083	0.00	0.07	0.203	O	|	|	|	|	0.14
178.167	0.00	0.07	0.202	O	|	|	|	|	0.14
178.250	0.00	0.07	0.202	O	|	|	|	|	0.14
178.333	0.00	0.07	0.202	O	|	|	|	|	0.14
178.417	0.00	0.07	0.201	O	|	|	|	|	0.14
178.500	0.00	0.07	0.201	O	|	|	|	|	0.14
178.583	0.00	0.06	0.200	O	|	|	|	|	0.14
178.667	0.00	0.06	0.200	O	|	|	|	|	0.14
178.750	0.00	0.06	0.199	O	|	|	|	|	0.14

178.833	0.00	0.06	0.199	O	|	|	|	|	0.14
178.917	0.00	0.06	0.198	O	|	|	|	|	0.14
179.000	0.00	0.06	0.198	O	|	|	|	|	0.14
179.083	0.00	0.06	0.198	O	|	|	|	|	0.14
179.167	0.00	0.06	0.197	O	|	|	|	|	0.14
179.250	0.00	0.06	0.197	O	|	|	|	|	0.14
179.333	0.00	0.06	0.196	O	|	|	|	|	0.14
179.417	0.00	0.06	0.196	O	|	|	|	|	0.13
179.500	0.00	0.06	0.195	O	|	|	|	|	0.13
179.583	0.00	0.06	0.195	O	|	|	|	|	0.13
179.667	0.00	0.06	0.194	O	|	|	|	|	0.13
179.750	0.00	0.06	0.194	O	|	|	|	|	0.13
179.833	0.00	0.06	0.194	O	|	|	|	|	0.13
179.917	0.00	0.06	0.193	O	|	|	|	|	0.13
180.000	0.00	0.06	0.193	O	|	|	|	|	0.13
180.083	0.00	0.06	0.192	O	|	|	|	|	0.13
180.167	0.00	0.06	0.192	O	|	|	|	|	0.13
180.250	0.00	0.06	0.191	O	|	|	|	|	0.13
180.333	0.00	0.06	0.191	O	|	|	|	|	0.13
180.417	0.00	0.06	0.191	O	|	|	|	|	0.13
180.500	0.00	0.06	0.190	O	|	|	|	|	0.13
180.583	0.00	0.06	0.190	O	|	|	|	|	0.13
180.667	0.00	0.06	0.189	O	|	|	|	|	0.13
180.750	0.00	0.06	0.189	O	|	|	|	|	0.13
180.833	0.00	0.06	0.188	O	|	|	|	|	0.13
180.917	0.00	0.06	0.188	O	|	|	|	|	0.13
181.000	0.00	0.06	0.188	O	|	|	|	|	0.13
181.083	0.00	0.06	0.187	O	|	|	|	|	0.13
181.167	0.00	0.06	0.187	O	|	|	|	|	0.13
181.250	0.00	0.06	0.186	O	|	|	|	|	0.13
181.333	0.00	0.06	0.186	O	|	|	|	|	0.13
181.417	0.00	0.06	0.186	O	|	|	|	|	0.13
181.500	0.00	0.06	0.185	O	|	|	|	|	0.13
181.583	0.00	0.06	0.185	O	|	|	|	|	0.13
181.667	0.00	0.06	0.184	O	|	|	|	|	0.13
181.750	0.00	0.06	0.184	O	|	|	|	|	0.13
181.833	0.00	0.06	0.183	O	|	|	|	|	0.13
181.917	0.00	0.06	0.183	O	|	|	|	|	0.13
182.000	0.00	0.06	0.183	O	|	|	|	|	0.13
182.083	0.00	0.06	0.182	O	|	|	|	|	0.13
182.167	0.00	0.06	0.182	O	|	|	|	|	0.13
182.250	0.00	0.06	0.181	O	|	|	|	|	0.13
182.333	0.00	0.06	0.181	O	|	|	|	|	0.12
182.417	0.00	0.06	0.181	O	|	|	|	|	0.12
182.500	0.00	0.06	0.180	O	|	|	|	|	0.12
182.583	0.00	0.06	0.180	O	|	|	|	|	0.12
182.667	0.00	0.06	0.179	O	|	|	|	|	0.12
182.750	0.00	0.06	0.179	O	|	|	|	|	0.12
182.833	0.00	0.06	0.179	O	|	|	|	|	0.12
182.917	0.00	0.06	0.178	O	|	|	|	|	0.12
183.000	0.00	0.06	0.178	O	|	|	|	|	0.12
183.083	0.00	0.06	0.177	O	|	|	|	|	0.12
183.167	0.00	0.06	0.177	O	|	|	|	|	0.12
183.250	0.00	0.06	0.177	O	|	|	|	|	0.12
183.333	0.00	0.06	0.176	O	|	|	|	|	0.12
183.417	0.00	0.06	0.176	O	|	|	|	|	0.12
183.500	0.00	0.06	0.175	O	|	|	|	|	0.12
183.583	0.00	0.06	0.175	O	|	|	|	|	0.12
183.667	0.00	0.06	0.175	O	|	|	|	|	0.12
183.750	0.00	0.06	0.174	O	|	|	|	|	0.12
183.833	0.00	0.06	0.174	O	|	|	|	|	0.12
183.917	0.00	0.06	0.174	O	|	|	|	|	0.12
184.000	0.00	0.06	0.173	O	|	|	|	|	0.12
184.083	0.00	0.06	0.173	O	|	|	|	|	0.12
184.167	0.00	0.06	0.172	O	|	|	|	|	0.12
184.250	0.00	0.06	0.172	O	|	|	|	|	0.12
184.333	0.00	0.06	0.172	O	|	|	|	|	0.12

184.417	0.00	0.06	0.171	O	|	|	|	|	0.12
184.500	0.00	0.06	0.171	O	|	|	|	|	0.12
184.583	0.00	0.06	0.170	O	|	|	|	|	0.12
184.667	0.00	0.06	0.170	O	|	|	|	|	0.12
184.750	0.00	0.06	0.170	O	|	|	|	|	0.12
184.833	0.00	0.05	0.169	O	|	|	|	|	0.12
184.917	0.00	0.05	0.169	O	|	|	|	|	0.12
185.000	0.00	0.05	0.169	O	|	|	|	|	0.12
185.083	0.00	0.05	0.168	O	|	|	|	|	0.12
185.167	0.00	0.05	0.168	O	|	|	|	|	0.12
185.250	0.00	0.05	0.167	O	|	|	|	|	0.12
185.333	0.00	0.05	0.167	O	|	|	|	|	0.12
185.417	0.00	0.05	0.167	O	|	|	|	|	0.11
185.500	0.00	0.05	0.166	O	|	|	|	|	0.11
185.583	0.00	0.05	0.166	O	|	|	|	|	0.11
185.667	0.00	0.05	0.166	O	|	|	|	|	0.11
185.750	0.00	0.05	0.165	O	|	|	|	|	0.11
185.833	0.00	0.05	0.165	O	|	|	|	|	0.11
185.917	0.00	0.05	0.164	O	|	|	|	|	0.11
186.000	0.00	0.05	0.164	O	|	|	|	|	0.11
186.083	0.00	0.05	0.164	O	|	|	|	|	0.11
186.167	0.00	0.05	0.163	O	|	|	|	|	0.11
186.250	0.00	0.05	0.163	O	|	|	|	|	0.11
186.333	0.00	0.05	0.163	O	|	|	|	|	0.11
186.417	0.00	0.05	0.162	O	|	|	|	|	0.11
186.500	0.00	0.05	0.162	O	|	|	|	|	0.11
186.583	0.00	0.05	0.162	O	|	|	|	|	0.11
186.667	0.00	0.05	0.161	O	|	|	|	|	0.11
186.750	0.00	0.05	0.161	O	|	|	|	|	0.11
186.833	0.00	0.05	0.160	O	|	|	|	|	0.11
186.917	0.00	0.05	0.160	O	|	|	|	|	0.11
187.000	0.00	0.05	0.160	O	|	|	|	|	0.11
187.083	0.00	0.05	0.159	O	|	|	|	|	0.11
187.167	0.00	0.05	0.159	O	|	|	|	|	0.11
187.250	0.00	0.05	0.159	O	|	|	|	|	0.11
187.333	0.00	0.05	0.158	O	|	|	|	|	0.11
187.417	0.00	0.05	0.158	O	|	|	|	|	0.11
187.500	0.00	0.05	0.158	O	|	|	|	|	0.11
187.583	0.00	0.05	0.157	O	|	|	|	|	0.11
187.667	0.00	0.05	0.157	O	|	|	|	|	0.11
187.750	0.00	0.05	0.157	O	|	|	|	|	0.11
187.833	0.00	0.05	0.156	O	|	|	|	|	0.11
187.917	0.00	0.05	0.156	O	|	|	|	|	0.11
188.000	0.00	0.05	0.156	O	|	|	|	|	0.11
188.083	0.00	0.05	0.155	O	|	|	|	|	0.11
188.167	0.00	0.05	0.155	O	|	|	|	|	0.11
188.250	0.00	0.05	0.154	O	|	|	|	|	0.11
188.333	0.00	0.05	0.154	O	|	|	|	|	0.11
188.417	0.00	0.05	0.154	O	|	|	|	|	0.11
188.500	0.00	0.05	0.153	O	|	|	|	|	0.11
188.583	0.00	0.05	0.153	O	|	|	|	|	0.11
188.667	0.00	0.05	0.153	O	|	|	|	|	0.11
188.750	0.00	0.05	0.152	O	|	|	|	|	0.11
188.833	0.00	0.05	0.152	O	|	|	|	|	0.10
188.917	0.00	0.05	0.152	O	|	|	|	|	0.10
189.000	0.00	0.05	0.151	O	|	|	|	|	0.10
189.083	0.00	0.05	0.151	O	|	|	|	|	0.10
189.167	0.00	0.05	0.151	O	|	|	|	|	0.10
189.250	0.00	0.05	0.150	O	|	|	|	|	0.10
189.333	0.00	0.05	0.150	O	|	|	|	|	0.10
189.417	0.00	0.05	0.150	O	|	|	|	|	0.10
189.500	0.00	0.05	0.149	O	|	|	|	|	0.10
189.583	0.00	0.05	0.149	O	|	|	|	|	0.10
189.667	0.00	0.05	0.149	O	|	|	|	|	0.10
189.750	0.00	0.05	0.148	O	|	|	|	|	0.10
189.833	0.00	0.05	0.148	O	|	|	|	|	0.10
189.917	0.00	0.05	0.148	O	|	|	|	|	0.10

190.000	0.00	0.05	0.147	O	|	|	|	|	0.10
190.083	0.00	0.05	0.147	O	|	|	|	|	0.10
190.167	0.00	0.05	0.147	O	|	|	|	|	0.10
190.250	0.00	0.05	0.146	O	|	|	|	|	0.10
190.333	0.00	0.05	0.146	O	|	|	|	|	0.10
190.417	0.00	0.05	0.146	O	|	|	|	|	0.10
190.500	0.00	0.05	0.145	O	|	|	|	|	0.10
190.583	0.00	0.05	0.145	O	|	|	|	|	0.10
190.667	0.00	0.05	0.145	O	|	|	|	|	0.10
190.750	0.00	0.05	0.144	O	|	|	|	|	0.10
190.833	0.00	0.05	0.144	O	|	|	|	|	0.10
190.917	0.00	0.05	0.144	O	|	|	|	|	0.10
191.000	0.00	0.05	0.144	O	|	|	|	|	0.10
191.083	0.00	0.05	0.143	O	|	|	|	|	0.10
191.167	0.00	0.05	0.143	O	|	|	|	|	0.10
191.250	0.00	0.05	0.143	O	|	|	|	|	0.10
191.333	0.00	0.05	0.142	O	|	|	|	|	0.10
191.417	0.00	0.05	0.142	O	|	|	|	|	0.10
191.500	0.00	0.05	0.142	O	|	|	|	|	0.10
191.583	0.00	0.05	0.141	O	|	|	|	|	0.10
191.667	0.00	0.05	0.141	O	|	|	|	|	0.10
191.750	0.00	0.05	0.141	O	|	|	|	|	0.10
191.833	0.00	0.05	0.140	O	|	|	|	|	0.10
191.917	0.00	0.05	0.140	O	|	|	|	|	0.10
192.000	0.00	0.05	0.140	O	|	|	|	|	0.10
192.083	0.00	0.05	0.139	O	|	|	|	|	0.10
192.167	0.00	0.05	0.139	O	|	|	|	|	0.10
192.250	0.00	0.04	0.139	O	|	|	|	|	0.10
192.333	0.00	0.04	0.138	O	|	|	|	|	0.10
192.417	0.00	0.04	0.138	O	|	|	|	|	0.10
192.500	0.00	0.04	0.138	O	|	|	|	|	0.10
192.583	0.00	0.04	0.138	O	|	|	|	|	0.09
192.667	0.00	0.04	0.137	O	|	|	|	|	0.09
192.750	0.00	0.04	0.137	O	|	|	|	|	0.09
192.833	0.00	0.04	0.137	O	|	|	|	|	0.09
192.917	0.00	0.04	0.136	O	|	|	|	|	0.09
193.000	0.00	0.04	0.136	O	|	|	|	|	0.09
193.083	0.00	0.04	0.136	O	|	|	|	|	0.09
193.167	0.00	0.04	0.135	O	|	|	|	|	0.09
193.250	0.00	0.04	0.135	O	|	|	|	|	0.09
193.333	0.00	0.04	0.135	O	|	|	|	|	0.09
193.417	0.00	0.04	0.135	O	|	|	|	|	0.09
193.500	0.00	0.04	0.134	O	|	|	|	|	0.09
193.583	0.00	0.04	0.134	O	|	|	|	|	0.09
193.667	0.00	0.04	0.134	O	|	|	|	|	0.09
193.750	0.00	0.04	0.133	O	|	|	|	|	0.09
193.833	0.00	0.04	0.133	O	|	|	|	|	0.09
193.917	0.00	0.04	0.133	O	|	|	|	|	0.09
194.000	0.00	0.04	0.132	O	|	|	|	|	0.09
194.083	0.00	0.04	0.132	O	|	|	|	|	0.09
194.167	0.00	0.04	0.132	O	|	|	|	|	0.09
194.250	0.00	0.04	0.132	O	|	|	|	|	0.09
194.333	0.00	0.04	0.131	O	|	|	|	|	0.09
194.417	0.00	0.04	0.131	O	|	|	|	|	0.09
194.500	0.00	0.04	0.131	O	|	|	|	|	0.09
194.583	0.00	0.04	0.130	O	|	|	|	|	0.09
194.667	0.00	0.04	0.130	O	|	|	|	|	0.09
194.750	0.00	0.04	0.130	O	|	|	|	|	0.09
194.833	0.00	0.04	0.130	O	|	|	|	|	0.09
194.917	0.00	0.04	0.129	O	|	|	|	|	0.09
195.000	0.00	0.04	0.129	O	|	|	|	|	0.09
195.083	0.00	0.04	0.129	O	|	|	|	|	0.09
195.167	0.00	0.04	0.128	O	|	|	|	|	0.09
195.250	0.00	0.04	0.128	O	|	|	|	|	0.09
195.333	0.00	0.04	0.128	O	|	|	|	|	0.09
195.417	0.00	0.04	0.128	O	|	|	|	|	0.09
195.500	0.00	0.04	0.127	O	|	|	|	|	0.09

195.583	0.00	0.04	0.127	O	|	|	|	|	0.09
195.667	0.00	0.04	0.127	O	|	|	|	|	0.09
195.750	0.00	0.04	0.126	O	|	|	|	|	0.09
195.833	0.00	0.04	0.126	O	|	|	|	|	0.09
195.917	0.00	0.04	0.126	O	|	|	|	|	0.09
196.000	0.00	0.04	0.126	O	|	|	|	|	0.09
196.083	0.00	0.04	0.125	O	|	|	|	|	0.09
196.167	0.00	0.04	0.125	O	|	|	|	|	0.09
196.250	0.00	0.04	0.125	O	|	|	|	|	0.09
196.333	0.00	0.04	0.124	O	|	|	|	|	0.09
196.417	0.00	0.04	0.124	O	|	|	|	|	0.09
196.500	0.00	0.04	0.124	O	|	|	|	|	0.09
196.583	0.00	0.04	0.124	O	|	|	|	|	0.09
196.667	0.00	0.04	0.123	O	|	|	|	|	0.09
196.750	0.00	0.04	0.123	O	|	|	|	|	0.08
196.833	0.00	0.04	0.123	O	|	|	|	|	0.08
196.917	0.00	0.04	0.122	O	|	|	|	|	0.08
197.000	0.00	0.04	0.122	O	|	|	|	|	0.08
197.083	0.00	0.04	0.122	O	|	|	|	|	0.08
197.167	0.00	0.04	0.122	O	|	|	|	|	0.08
197.250	0.00	0.04	0.121	O	|	|	|	|	0.08
197.333	0.00	0.04	0.121	O	|	|	|	|	0.08
197.417	0.00	0.04	0.121	O	|	|	|	|	0.08
197.500	0.00	0.04	0.121	O	|	|	|	|	0.08
197.583	0.00	0.04	0.120	O	|	|	|	|	0.08
197.667	0.00	0.04	0.120	O	|	|	|	|	0.08
197.750	0.00	0.04	0.120	O	|	|	|	|	0.08
197.833	0.00	0.04	0.120	O	|	|	|	|	0.08
197.917	0.00	0.04	0.119	O	|	|	|	|	0.08
198.000	0.00	0.04	0.119	O	|	|	|	|	0.08
198.083	0.00	0.04	0.119	O	|	|	|	|	0.08
198.167	0.00	0.04	0.118	O	|	|	|	|	0.08
198.250	0.00	0.04	0.118	O	|	|	|	|	0.08
198.333	0.00	0.04	0.118	O	|	|	|	|	0.08
198.417	0.00	0.04	0.118	O	|	|	|	|	0.08
198.500	0.00	0.04	0.117	O	|	|	|	|	0.08
198.583	0.00	0.04	0.117	O	|	|	|	|	0.08
198.667	0.00	0.04	0.117	O	|	|	|	|	0.08
198.750	0.00	0.04	0.117	O	|	|	|	|	0.08
198.833	0.00	0.04	0.116	O	|	|	|	|	0.08
198.917	0.00	0.04	0.116	O	|	|	|	|	0.08
199.000	0.00	0.04	0.116	O	|	|	|	|	0.08
199.083	0.00	0.04	0.116	O	|	|	|	|	0.08
199.167	0.00	0.04	0.115	O	|	|	|	|	0.08
199.250	0.00	0.04	0.115	O	|	|	|	|	0.08
199.333	0.00	0.04	0.115	O	|	|	|	|	0.08
199.417	0.00	0.04	0.115	O	|	|	|	|	0.08
199.500	0.00	0.04	0.114	O	|	|	|	|	0.08
199.583	0.00	0.04	0.114	O	|	|	|	|	0.08
199.667	0.00	0.04	0.114	O	|	|	|	|	0.08
199.750	0.00	0.04	0.114	O	|	|	|	|	0.08
199.833	0.00	0.04	0.113	O	|	|	|	|	0.08
199.917	0.00	0.04	0.113	O	|	|	|	|	0.08
200.000	0.00	0.04	0.113	O	|	|	|	|	0.08
200.083	0.00	0.04	0.113	O	|	|	|	|	0.08
200.167	0.00	0.04	0.112	O	|	|	|	|	0.08
200.250	0.00	0.04	0.112	O	|	|	|	|	0.08
200.333	0.00	0.04	0.112	O	|	|	|	|	0.08
200.417	0.00	0.04	0.112	O	|	|	|	|	0.08
200.500	0.00	0.04	0.111	O	|	|	|	|	0.08
200.583	0.00	0.04	0.111	O	|	|	|	|	0.08
200.667	0.00	0.04	0.111	O	|	|	|	|	0.08
200.750	0.00	0.04	0.111	O	|	|	|	|	0.08
200.833	0.00	0.04	0.110	O	|	|	|	|	0.08
200.917	0.00	0.04	0.110	O	|	|	|	|	0.08
201.000	0.00	0.04	0.110	O	|	|	|	|	0.08
201.083	0.00	0.04	0.110	O	|	|	|	|	0.08

201.167	0.00	0.04	0.109	O	|	|	|	0.08
201.250	0.00	0.04	0.109	O	|	|	|	0.08
201.333	0.00	0.04	0.109	O	|	|	|	0.08
201.417	0.00	0.04	0.109	O	|	|	|	0.07
201.500	0.00	0.04	0.108	O	|	|	|	0.07
201.583	0.00	0.04	0.108	O	|	|	|	0.07
201.667	0.00	0.03	0.108	O	|	|	|	0.07
201.750	0.00	0.03	0.108	O	|	|	|	0.07
201.833	0.00	0.03	0.107	O	|	|	|	0.07
201.917	0.00	0.03	0.107	O	|	|	|	0.07
202.000	0.00	0.03	0.107	O	|	|	|	0.07
202.083	0.00	0.03	0.107	O	|	|	|	0.07
202.167	0.00	0.03	0.106	O	|	|	|	0.07
202.250	0.00	0.03	0.106	O	|	|	|	0.07
202.333	0.00	0.03	0.106	O	|	|	|	0.07
202.417	0.00	0.03	0.106	O	|	|	|	0.07
202.500	0.00	0.03	0.105	O	|	|	|	0.07
202.583	0.00	0.03	0.105	O	|	|	|	0.07
202.667	0.00	0.03	0.105	O	|	|	|	0.07
202.750	0.00	0.03	0.105	O	|	|	|	0.07
202.833	0.00	0.03	0.105	O	|	|	|	0.07
202.917	0.00	0.03	0.104	O	|	|	|	0.07
203.000	0.00	0.03	0.104	O	|	|	|	0.07
203.083	0.00	0.03	0.104	O	|	|	|	0.07
203.167	0.00	0.03	0.104	O	|	|	|	0.07
203.250	0.00	0.03	0.103	O	|	|	|	0.07
203.333	0.00	0.03	0.103	O	|	|	|	0.07
203.417	0.00	0.03	0.103	O	|	|	|	0.07
203.500	0.00	0.03	0.103	O	|	|	|	0.07
203.583	0.00	0.03	0.102	O	|	|	|	0.07
203.667	0.00	0.03	0.102	O	|	|	|	0.07
203.750	0.00	0.03	0.102	O	|	|	|	0.07
203.833	0.00	0.03	0.102	O	|	|	|	0.07
203.917	0.00	0.03	0.102	O	|	|	|	0.07
204.000	0.00	0.03	0.101	O	|	|	|	0.07
204.083	0.00	0.03	0.101	O	|	|	|	0.07
204.167	0.00	0.03	0.101	O	|	|	|	0.07
204.250	0.00	0.03	0.101	O	|	|	|	0.07
204.333	0.00	0.03	0.100	O	|	|	|	0.07
204.417	0.00	0.03	0.100	O	|	|	|	0.07
204.500	0.00	0.03	0.100	O	|	|	|	0.07
204.583	0.00	0.03	0.100	O	|	|	|	0.07
204.667	0.00	0.03	0.100	O	|	|	|	0.07
204.750	0.00	0.03	0.099	O	|	|	|	0.07
204.833	0.00	0.03	0.099	O	|	|	|	0.07
204.917	0.00	0.03	0.099	O	|	|	|	0.07
205.000	0.00	0.03	0.099	O	|	|	|	0.07
205.083	0.00	0.03	0.098	O	|	|	|	0.07
205.167	0.00	0.03	0.098	O	|	|	|	0.07
205.250	0.00	0.03	0.098	O	|	|	|	0.07
205.333	0.00	0.03	0.098	O	|	|	|	0.07
205.417	0.00	0.03	0.098	O	|	|	|	0.07
205.500	0.00	0.03	0.097	O	|	|	|	0.07
205.583	0.00	0.03	0.097	O	|	|	|	0.07
205.667	0.00	0.03	0.097	O	|	|	|	0.07
205.750	0.00	0.03	0.097	O	|	|	|	0.07
205.833	0.00	0.03	0.096	O	|	|	|	0.07
205.917	0.00	0.03	0.096	O	|	|	|	0.07
206.000	0.00	0.03	0.096	O	|	|	|	0.07
206.083	0.00	0.03	0.096	O	|	|	|	0.07
206.167	0.00	0.03	0.096	O	|	|	|	0.07
206.250	0.00	0.03	0.095	O	|	|	|	0.07
206.333	0.00	0.03	0.095	O	|	|	|	0.07
206.417	0.00	0.03	0.095	O	|	|	|	0.07
206.500	0.00	0.03	0.095	O	|	|	|	0.07
206.583	0.00	0.03	0.095	O	|	|	|	0.07
206.667	0.00	0.03	0.094	O	|	|	|	0.07

206.750	0.00	0.03	0.094	O	|	|	|	|	0.06
206.833	0.00	0.03	0.094	O	|	|	|	|	0.06
206.917	0.00	0.03	0.094	O	|	|	|	|	0.06
207.000	0.00	0.03	0.093	O	|	|	|	|	0.06
207.083	0.00	0.03	0.093	O	|	|	|	|	0.06
207.167	0.00	0.03	0.093	O	|	|	|	|	0.06
207.250	0.00	0.03	0.093	O	|	|	|	|	0.06
207.333	0.00	0.03	0.093	O	|	|	|	|	0.06
207.417	0.00	0.03	0.092	O	|	|	|	|	0.06
207.500	0.00	0.03	0.092	O	|	|	|	|	0.06
207.583	0.00	0.03	0.092	O	|	|	|	|	0.06
207.667	0.00	0.03	0.092	O	|	|	|	|	0.06
207.750	0.00	0.03	0.092	O	|	|	|	|	0.06
207.833	0.00	0.03	0.091	O	|	|	|	|	0.06
207.917	0.00	0.03	0.091	O	|	|	|	|	0.06
208.000	0.00	0.03	0.091	O	|	|	|	|	0.06
208.083	0.00	0.03	0.091	O	|	|	|	|	0.06
208.167	0.00	0.03	0.091	O	|	|	|	|	0.06
208.250	0.00	0.03	0.090	O	|	|	|	|	0.06
208.333	0.00	0.03	0.090	O	|	|	|	|	0.06
208.417	0.00	0.03	0.090	O	|	|	|	|	0.06
208.500	0.00	0.03	0.090	O	|	|	|	|	0.06
208.583	0.00	0.03	0.090	O	|	|	|	|	0.06
208.667	0.00	0.03	0.089	O	|	|	|	|	0.06
208.750	0.00	0.03	0.089	O	|	|	|	|	0.06
208.833	0.00	0.03	0.089	O	|	|	|	|	0.06
208.917	0.00	0.03	0.089	O	|	|	|	|	0.06
209.000	0.00	0.03	0.089	O	|	|	|	|	0.06
209.083	0.00	0.03	0.088	O	|	|	|	|	0.06
209.167	0.00	0.03	0.088	O	|	|	|	|	0.06
209.250	0.00	0.03	0.088	O	|	|	|	|	0.06
209.333	0.00	0.03	0.088	O	|	|	|	|	0.06
209.417	0.00	0.03	0.088	O	|	|	|	|	0.06
209.500	0.00	0.03	0.087	O	|	|	|	|	0.06
209.583	0.00	0.03	0.087	O	|	|	|	|	0.06
209.667	0.00	0.03	0.087	O	|	|	|	|	0.06
209.750	0.00	0.03	0.087	O	|	|	|	|	0.06
209.833	0.00	0.03	0.087	O	|	|	|	|	0.06
209.917	0.00	0.03	0.086	O	|	|	|	|	0.06
210.000	0.00	0.03	0.086	O	|	|	|	|	0.06
210.083	0.00	0.03	0.086	O	|	|	|	|	0.06
210.167	0.00	0.03	0.086	O	|	|	|	|	0.06
210.250	0.00	0.03	0.086	O	|	|	|	|	0.06
210.333	0.00	0.03	0.086	O	|	|	|	|	0.06
210.417	0.00	0.03	0.085	O	|	|	|	|	0.06
210.500	0.00	0.03	0.085	O	|	|	|	|	0.06
210.583	0.00	0.03	0.085	O	|	|	|	|	0.06
210.667	0.00	0.03	0.085	O	|	|	|	|	0.06
210.750	0.00	0.03	0.085	O	|	|	|	|	0.06
210.833	0.00	0.03	0.084	O	|	|	|	|	0.06
210.917	0.00	0.03	0.084	O	|	|	|	|	0.06
211.000	0.00	0.03	0.084	O	|	|	|	|	0.06
211.083	0.00	0.03	0.084	O	|	|	|	|	0.06
211.167	0.00	0.03	0.084	O	|	|	|	|	0.06
211.250	0.00	0.03	0.083	O	|	|	|	|	0.06
211.333	0.00	0.03	0.083	O	|	|	|	|	0.06
211.417	0.00	0.03	0.083	O	|	|	|	|	0.06
211.500	0.00	0.03	0.083	O	|	|	|	|	0.06
211.583	0.00	0.03	0.083	O	|	|	|	|	0.06
211.667	0.00	0.03	0.083	O	|	|	|	|	0.06
211.750	0.00	0.03	0.082	O	|	|	|	|	0.06
211.833	0.00	0.03	0.082	O	|	|	|	|	0.06
211.917	0.00	0.03	0.082	O	|	|	|	|	0.06
212.000	0.00	0.03	0.082	O	|	|	|	|	0.06
212.083	0.00	0.03	0.082	O	|	|	|	|	0.06
212.167	0.00	0.03	0.081	O	|	|	|	|	0.06
212.250	0.00	0.03	0.081	O	|	|	|	|	0.06

212.333	0.00	0.03	0.081	O	|	|	|	|	0.06
212.417	0.00	0.03	0.081	O	|	|	|	|	0.06
212.500	0.00	0.03	0.081	O	|	|	|	|	0.06
212.583	0.00	0.03	0.081	O	|	|	|	|	0.06
212.667	0.00	0.03	0.080	O	|	|	|	|	0.06
212.750	0.00	0.03	0.080	O	|	|	|	|	0.06
212.833	0.00	0.03	0.080	O	|	|	|	|	0.06
212.917	0.00	0.03	0.080	O	|	|	|	|	0.06
213.000	0.00	0.03	0.080	O	|	|	|	|	0.05
213.083	0.00	0.03	0.079	O	|	|	|	|	0.05
213.167	0.00	0.03	0.079	O	|	|	|	|	0.05
213.250	0.00	0.03	0.079	O	|	|	|	|	0.05
213.333	0.00	0.03	0.079	O	|	|	|	|	0.05
213.417	0.00	0.03	0.079	O	|	|	|	|	0.05
213.500	0.00	0.03	0.079	O	|	|	|	|	0.05
213.583	0.00	0.03	0.078	O	|	|	|	|	0.05
213.667	0.00	0.03	0.078	O	|	|	|	|	0.05
213.750	0.00	0.03	0.078	O	|	|	|	|	0.05
213.833	0.00	0.03	0.078	O	|	|	|	|	0.05
213.917	0.00	0.03	0.078	O	|	|	|	|	0.05
214.000	0.00	0.03	0.078	O	|	|	|	|	0.05
214.083	0.00	0.03	0.077	O	|	|	|	|	0.05
214.167	0.00	0.03	0.077	O	|	|	|	|	0.05
214.250	0.00	0.02	0.077	O	|	|	|	|	0.05
214.333	0.00	0.02	0.077	O	|	|	|	|	0.05
214.417	0.00	0.02	0.077	O	|	|	|	|	0.05
214.500	0.00	0.02	0.076	O	|	|	|	|	0.05
214.583	0.00	0.02	0.076	O	|	|	|	|	0.05
214.667	0.00	0.02	0.076	O	|	|	|	|	0.05
214.750	0.00	0.02	0.076	O	|	|	|	|	0.05
214.833	0.00	0.02	0.076	O	|	|	|	|	0.05
214.917	0.00	0.02	0.076	O	|	|	|	|	0.05
215.000	0.00	0.02	0.075	O	|	|	|	|	0.05
215.083	0.00	0.02	0.075	O	|	|	|	|	0.05
215.167	0.00	0.02	0.075	O	|	|	|	|	0.05
215.250	0.00	0.02	0.075	O	|	|	|	|	0.05
215.333	0.00	0.02	0.075	O	|	|	|	|	0.05
215.417	0.00	0.02	0.075	O	|	|	|	|	0.05
215.500	0.00	0.02	0.074	O	|	|	|	|	0.05
215.583	0.00	0.02	0.074	O	|	|	|	|	0.05
215.667	0.00	0.02	0.074	O	|	|	|	|	0.05
215.750	0.00	0.02	0.074	O	|	|	|	|	0.05
215.833	0.00	0.02	0.074	O	|	|	|	|	0.05
215.917	0.00	0.02	0.074	O	|	|	|	|	0.05
216.000	0.00	0.02	0.073	O	|	|	|	|	0.05
216.083	0.00	0.02	0.073	O	|	|	|	|	0.05
216.167	0.00	0.02	0.073	O	|	|	|	|	0.05
216.250	0.00	0.02	0.073	O	|	|	|	|	0.05
216.333	0.00	0.02	0.073	O	|	|	|	|	0.05
216.417	0.00	0.02	0.073	O	|	|	|	|	0.05
216.500	0.00	0.02	0.072	O	|	|	|	|	0.05
216.583	0.00	0.02	0.072	O	|	|	|	|	0.05
216.667	0.00	0.02	0.072	O	|	|	|	|	0.05
216.750	0.00	0.02	0.072	O	|	|	|	|	0.05
216.833	0.00	0.02	0.072	O	|	|	|	|	0.05
216.917	0.00	0.02	0.072	O	|	|	|	|	0.05
217.000	0.00	0.02	0.072	O	|	|	|	|	0.05
217.083	0.00	0.02	0.071	O	|	|	|	|	0.05
217.167	0.00	0.02	0.071	O	|	|	|	|	0.05
217.250	0.00	0.02	0.071	O	|	|	|	|	0.05
217.333	0.00	0.02	0.071	O	|	|	|	|	0.05
217.417	0.00	0.02	0.071	O	|	|	|	|	0.05
217.500	0.00	0.02	0.071	O	|	|	|	|	0.05
217.583	0.00	0.02	0.070	O	|	|	|	|	0.05
217.667	0.00	0.02	0.070	O	|	|	|	|	0.05
217.750	0.00	0.02	0.070	O	|	|	|	|	0.05
217.833	0.00	0.02	0.070	O	|	|	|	|	0.05

217.917	0.00	0.02	0.070	O	|	|	|	|	0.05
218.000	0.00	0.02	0.070	O	|	|	|	|	0.05
218.083	0.00	0.02	0.069	O	|	|	|	|	0.05
218.167	0.00	0.02	0.069	O	|	|	|	|	0.05
218.250	0.00	0.02	0.069	O	|	|	|	|	0.05
218.333	0.00	0.02	0.069	O	|	|	|	|	0.05
218.417	0.00	0.02	0.069	O	|	|	|	|	0.05
218.500	0.00	0.02	0.069	O	|	|	|	|	0.05
218.583	0.00	0.02	0.069	O	|	|	|	|	0.05
218.667	0.00	0.02	0.068	O	|	|	|	|	0.05
218.750	0.00	0.02	0.068	O	|	|	|	|	0.05
218.833	0.00	0.02	0.068	O	|	|	|	|	0.05
218.917	0.00	0.02	0.068	O	|	|	|	|	0.05
219.000	0.00	0.02	0.068	O	|	|	|	|	0.05
219.083	0.00	0.02	0.068	O	|	|	|	|	0.05
219.167	0.00	0.02	0.067	O	|	|	|	|	0.05
219.250	0.00	0.02	0.067	O	|	|	|	|	0.05
219.333	0.00	0.02	0.067	O	|	|	|	|	0.05
219.417	0.00	0.02	0.067	O	|	|	|	|	0.05
219.500	0.00	0.02	0.067	O	|	|	|	|	0.05
219.583	0.00	0.02	0.067	O	|	|	|	|	0.05
219.667	0.00	0.02	0.067	O	|	|	|	|	0.05
219.750	0.00	0.02	0.066	O	|	|	|	|	0.05
219.833	0.00	0.02	0.066	O	|	|	|	|	0.05
219.917	0.00	0.02	0.066	O	|	|	|	|	0.05
220.000	0.00	0.02	0.066	O	|	|	|	|	0.05
220.083	0.00	0.02	0.066	O	|	|	|	|	0.05
220.167	0.00	0.02	0.066	O	|	|	|	|	0.05
220.250	0.00	0.02	0.066	O	|	|	|	|	0.05
220.333	0.00	0.02	0.065	O	|	|	|	|	0.05
220.417	0.00	0.02	0.065	O	|	|	|	|	0.05
220.500	0.00	0.02	0.065	O	|	|	|	|	0.04
220.583	0.00	0.02	0.065	O	|	|	|	|	0.04
220.667	0.00	0.02	0.065	O	|	|	|	|	0.04
220.750	0.00	0.02	0.065	O	|	|	|	|	0.04
220.833	0.00	0.02	0.065	O	|	|	|	|	0.04
220.917	0.00	0.02	0.064	O	|	|	|	|	0.04
221.000	0.00	0.02	0.064	O	|	|	|	|	0.04
221.083	0.00	0.02	0.064	O	|	|	|	|	0.04
221.167	0.00	0.02	0.064	O	|	|	|	|	0.04
221.250	0.00	0.02	0.064	O	|	|	|	|	0.04
221.333	0.00	0.02	0.064	O	|	|	|	|	0.04
221.417	0.00	0.02	0.064	O	|	|	|	|	0.04
221.500	0.00	0.02	0.063	O	|	|	|	|	0.04
221.583	0.00	0.02	0.063	O	|	|	|	|	0.04
221.667	0.00	0.02	0.063	O	|	|	|	|	0.04
221.750	0.00	0.02	0.063	O	|	|	|	|	0.04
221.833	0.00	0.02	0.063	O	|	|	|	|	0.04
221.917	0.00	0.02	0.063	O	|	|	|	|	0.04
222.000	0.00	0.02	0.063	O	|	|	|	|	0.04
222.083	0.00	0.02	0.062	O	|	|	|	|	0.04
222.167	0.00	0.02	0.062	O	|	|	|	|	0.04
222.250	0.00	0.02	0.062	O	|	|	|	|	0.04
222.333	0.00	0.02	0.062	O	|	|	|	|	0.04
222.417	0.00	0.02	0.062	O	|	|	|	|	0.04
222.500	0.00	0.02	0.062	O	|	|	|	|	0.04
222.583	0.00	0.02	0.062	O	|	|	|	|	0.04
222.667	0.00	0.02	0.061	O	|	|	|	|	0.04
222.750	0.00	0.02	0.061	O	|	|	|	|	0.04
222.833	0.00	0.02	0.061	O	|	|	|	|	0.04
222.917	0.00	0.02	0.061	O	|	|	|	|	0.04
223.000	0.00	0.02	0.061	O	|	|	|	|	0.04
223.083	0.00	0.02	0.061	O	|	|	|	|	0.04
223.167	0.00	0.02	0.061	O	|	|	|	|	0.04
223.250	0.00	0.02	0.060	O	|	|	|	|	0.04
223.333	0.00	0.02	0.060	O	|	|	|	|	0.04
223.417	0.00	0.02	0.060	O	|	|	|	|	0.04

223.500	0.00	0.02	0.060	O	|	|	|	|	0.04
223.583	0.00	0.02	0.060	O	|	|	|	|	0.04
223.667	0.00	0.02	0.060	O	|	|	|	|	0.04
223.750	0.00	0.02	0.060	O	|	|	|	|	0.04
223.833	0.00	0.02	0.060	O	|	|	|	|	0.04
223.917	0.00	0.02	0.059	O	|	|	|	|	0.04
224.000	0.00	0.02	0.059	O	|	|	|	|	0.04
224.083	0.00	0.02	0.059	O	|	|	|	|	0.04
224.167	0.00	0.02	0.059	O	|	|	|	|	0.04
224.250	0.00	0.02	0.059	O	|	|	|	|	0.04
224.333	0.00	0.02	0.059	O	|	|	|	|	0.04
224.417	0.00	0.02	0.059	O	|	|	|	|	0.04
224.500	0.00	0.02	0.059	O	|	|	|	|	0.04
224.583	0.00	0.02	0.058	O	|	|	|	|	0.04
224.667	0.00	0.02	0.058	O	|	|	|	|	0.04
224.750	0.00	0.02	0.058	O	|	|	|	|	0.04
224.833	0.00	0.02	0.058	O	|	|	|	|	0.04
224.917	0.00	0.02	0.058	O	|	|	|	|	0.04
225.000	0.00	0.02	0.058	O	|	|	|	|	0.04
225.083	0.00	0.02	0.058	O	|	|	|	|	0.04
225.167	0.00	0.02	0.057	O	|	|	|	|	0.04
225.250	0.00	0.02	0.057	O	|	|	|	|	0.04
225.333	0.00	0.02	0.057	O	|	|	|	|	0.04
225.417	0.00	0.02	0.057	O	|	|	|	|	0.04
225.500	0.00	0.02	0.057	O	|	|	|	|	0.04
225.583	0.00	0.02	0.057	O	|	|	|	|	0.04
225.667	0.00	0.02	0.057	O	|	|	|	|	0.04
225.750	0.00	0.02	0.057	O	|	|	|	|	0.04
225.833	0.00	0.02	0.056	O	|	|	|	|	0.04
225.917	0.00	0.02	0.056	O	|	|	|	|	0.04
226.000	0.00	0.02	0.056	O	|	|	|	|	0.04
226.083	0.00	0.02	0.056	O	|	|	|	|	0.04
226.167	0.00	0.02	0.056	O	|	|	|	|	0.04
226.250	0.00	0.02	0.056	O	|	|	|	|	0.04
226.333	0.00	0.02	0.056	O	|	|	|	|	0.04
226.417	0.00	0.02	0.056	O	|	|	|	|	0.04
226.500	0.00	0.02	0.055	O	|	|	|	|	0.04
226.583	0.00	0.02	0.055	O	|	|	|	|	0.04
226.667	0.00	0.02	0.055	O	|	|	|	|	0.04
226.750	0.00	0.02	0.055	O	|	|	|	|	0.04
226.833	0.00	0.02	0.055	O	|	|	|	|	0.04
226.917	0.00	0.02	0.055	O	|	|	|	|	0.04
227.000	0.00	0.02	0.055	O	|	|	|	|	0.04
227.083	0.00	0.02	0.055	O	|	|	|	|	0.04
227.167	0.00	0.02	0.054	O	|	|	|	|	0.04
227.250	0.00	0.02	0.054	O	|	|	|	|	0.04
227.333	0.00	0.02	0.054	O	|	|	|	|	0.04
227.417	0.00	0.02	0.054	O	|	|	|	|	0.04
227.500	0.00	0.02	0.054	O	|	|	|	|	0.04
227.583	0.00	0.02	0.054	O	|	|	|	|	0.04
227.667	0.00	0.02	0.054	O	|	|	|	|	0.04
227.750	0.00	0.02	0.054	O	|	|	|	|	0.04
227.833	0.00	0.02	0.054	O	|	|	|	|	0.04
227.917	0.00	0.02	0.053	O	|	|	|	|	0.04
228.000	0.00	0.02	0.053	O	|	|	|	|	0.04
228.083	0.00	0.02	0.053	O	|	|	|	|	0.04
228.167	0.00	0.02	0.053	O	|	|	|	|	0.04
228.250	0.00	0.02	0.053	O	|	|	|	|	0.04
228.333	0.00	0.02	0.053	O	|	|	|	|	0.04
228.417	0.00	0.02	0.053	O	|	|	|	|	0.04
228.500	0.00	0.02	0.053	O	|	|	|	|	0.04
228.583	0.00	0.02	0.052	O	|	|	|	|	0.04
228.667	0.00	0.02	0.052	O	|	|	|	|	0.04
228.750	0.00	0.02	0.052	O	|	|	|	|	0.04
228.833	0.00	0.02	0.052	O	|	|	|	|	0.04
228.917	0.00	0.02	0.052	O	|	|	|	|	0.04
229.000	0.00	0.02	0.052	O	|	|	|	|	0.04

229.083	0.00	0.02	0.052	O	|	|	|	|	0.04
229.167	0.00	0.02	0.052	O	|	|	|	|	0.04
229.250	0.00	0.02	0.052	O	|	|	|	|	0.04
229.333	0.00	0.02	0.051	O	|	|	|	|	0.04
229.417	0.00	0.02	0.051	O	|	|	|	|	0.04
229.500	0.00	0.02	0.051	O	|	|	|	|	0.04
229.583	0.00	0.02	0.051	O	|	|	|	|	0.04
229.667	0.00	0.02	0.051	O	|	|	|	|	0.04
229.750	0.00	0.02	0.051	O	|	|	|	|	0.04
229.833	0.00	0.02	0.051	O	|	|	|	|	0.03
229.917	0.00	0.02	0.051	O	|	|	|	|	0.03
230.000	0.00	0.02	0.050	O	|	|	|	|	0.03
230.083	0.00	0.02	0.050	O	|	|	|	|	0.03
230.167	0.00	0.02	0.050	O	|	|	|	|	0.03
230.250	0.00	0.02	0.050	O	|	|	|	|	0.03
230.333	0.00	0.02	0.050	O	|	|	|	|	0.03
230.417	0.00	0.02	0.050	O	|	|	|	|	0.03
230.500	0.00	0.02	0.050	O	|	|	|	|	0.03
230.583	0.00	0.02	0.050	O	|	|	|	|	0.03
230.667	0.00	0.02	0.050	O	|	|	|	|	0.03
230.750	0.00	0.02	0.049	O	|	|	|	|	0.03
230.833	0.00	0.02	0.049	O	|	|	|	|	0.03
230.917	0.00	0.02	0.049	O	|	|	|	|	0.03
231.000	0.00	0.02	0.049	O	|	|	|	|	0.03
231.083	0.00	0.02	0.049	O	|	|	|	|	0.03
231.167	0.00	0.02	0.049	O	|	|	|	|	0.03
231.250	0.00	0.02	0.049	O	|	|	|	|	0.03
231.333	0.00	0.02	0.049	O	|	|	|	|	0.03
231.417	0.00	0.02	0.049	O	|	|	|	|	0.03
231.500	0.00	0.02	0.049	O	|	|	|	|	0.03
231.583	0.00	0.02	0.048	O	|	|	|	|	0.03
231.667	0.00	0.02	0.048	O	|	|	|	|	0.03
231.750	0.00	0.02	0.048	O	|	|	|	|	0.03
231.833	0.00	0.02	0.048	O	|	|	|	|	0.03
231.917	0.00	0.02	0.048	O	|	|	|	|	0.03
232.000	0.00	0.02	0.048	O	|	|	|	|	0.03
232.083	0.00	0.02	0.048	O	|	|	|	|	0.03
232.167	0.00	0.02	0.048	O	|	|	|	|	0.03
232.250	0.00	0.02	0.048	O	|	|	|	|	0.03
232.333	0.00	0.02	0.047	O	|	|	|	|	0.03
232.417	0.00	0.02	0.047	O	|	|	|	|	0.03
232.500	0.00	0.02	0.047	O	|	|	|	|	0.03
232.583	0.00	0.02	0.047	O	|	|	|	|	0.03
232.667	0.00	0.02	0.047	O	|	|	|	|	0.03
232.750	0.00	0.02	0.047	O	|	|	|	|	0.03
232.833	0.00	0.02	0.047	O	|	|	|	|	0.03
232.917	0.00	0.02	0.047	O	|	|	|	|	0.03
233.000	0.00	0.02	0.047	O	|	|	|	|	0.03
233.083	0.00	0.02	0.046	O	|	|	|	|	0.03
233.167	0.00	0.02	0.046	O	|	|	|	|	0.03
233.250	0.00	0.02	0.046	O	|	|	|	|	0.03
233.333	0.00	0.01	0.046	O	|	|	|	|	0.03
233.417	0.00	0.01	0.046	O	|	|	|	|	0.03
233.500	0.00	0.01	0.046	O	|	|	|	|	0.03
233.583	0.00	0.01	0.046	O	|	|	|	|	0.03
233.667	0.00	0.01	0.046	O	|	|	|	|	0.03
233.750	0.00	0.01	0.046	O	|	|	|	|	0.03
233.833	0.00	0.01	0.046	O	|	|	|	|	0.03
233.917	0.00	0.01	0.045	O	|	|	|	|	0.03
234.000	0.00	0.01	0.045	O	|	|	|	|	0.03
234.083	0.00	0.01	0.045	O	|	|	|	|	0.03
234.167	0.00	0.01	0.045	O	|	|	|	|	0.03
234.250	0.00	0.01	0.045	O	|	|	|	|	0.03
234.333	0.00	0.01	0.045	O	|	|	|	|	0.03
234.417	0.00	0.01	0.045	O	|	|	|	|	0.03
234.500	0.00	0.01	0.045	O	|	|	|	|	0.03
234.583	0.00	0.01	0.045	O	|	|	|	|	0.03

234.667	0.00	0.01	0.045	O	|	|	|	|	0.03
234.750	0.00	0.01	0.044	O	|	|	|	|	0.03
234.833	0.00	0.01	0.044	O	|	|	|	|	0.03
234.917	0.00	0.01	0.044	O	|	|	|	|	0.03
235.000	0.00	0.01	0.044	O	|	|	|	|	0.03
235.083	0.00	0.01	0.044	O	|	|	|	|	0.03
235.167	0.00	0.01	0.044	O	|	|	|	|	0.03
235.250	0.00	0.01	0.044	O	|	|	|	|	0.03
235.333	0.00	0.01	0.044	O	|	|	|	|	0.03
235.417	0.00	0.01	0.044	O	|	|	|	|	0.03
235.500	0.00	0.01	0.044	O	|	|	|	|	0.03
235.583	0.00	0.01	0.043	O	|	|	|	|	0.03
235.667	0.00	0.01	0.043	O	|	|	|	|	0.03
235.750	0.00	0.01	0.043	O	|	|	|	|	0.03
235.833	0.00	0.01	0.043	O	|	|	|	|	0.03
235.917	0.00	0.01	0.043	O	|	|	|	|	0.03
236.000	0.00	0.01	0.043	O	|	|	|	|	0.03
236.083	0.00	0.01	0.043	O	|	|	|	|	0.03
236.167	0.00	0.01	0.043	O	|	|	|	|	0.03
236.250	0.00	0.01	0.043	O	|	|	|	|	0.03
236.333	0.00	0.01	0.043	O	|	|	|	|	0.03
236.417	0.00	0.01	0.043	O	|	|	|	|	0.03
236.500	0.00	0.01	0.042	O	|	|	|	|	0.03
236.583	0.00	0.01	0.042	O	|	|	|	|	0.03
236.667	0.00	0.01	0.042	O	|	|	|	|	0.03
236.750	0.00	0.01	0.042	O	|	|	|	|	0.03
236.833	0.00	0.01	0.042	O	|	|	|	|	0.03
236.917	0.00	0.01	0.042	O	|	|	|	|	0.03
237.000	0.00	0.01	0.042	O	|	|	|	|	0.03
237.083	0.00	0.01	0.042	O	|	|	|	|	0.03
237.167	0.00	0.01	0.042	O	|	|	|	|	0.03
237.250	0.00	0.01	0.042	O	|	|	|	|	0.03
237.333	0.00	0.01	0.041	O	|	|	|	|	0.03
237.417	0.00	0.01	0.041	O	|	|	|	|	0.03
237.500	0.00	0.01	0.041	O	|	|	|	|	0.03
237.583	0.00	0.01	0.041	O	|	|	|	|	0.03
237.667	0.00	0.01	0.041	O	|	|	|	|	0.03
237.750	0.00	0.01	0.041	O	|	|	|	|	0.03
237.833	0.00	0.01	0.041	O	|	|	|	|	0.03
237.917	0.00	0.01	0.041	O	|	|	|	|	0.03
238.000	0.00	0.01	0.041	O	|	|	|	|	0.03
238.083	0.00	0.01	0.041	O	|	|	|	|	0.03
238.167	0.00	0.01	0.041	O	|	|	|	|	0.03
238.250	0.00	0.01	0.040	O	|	|	|	|	0.03
238.333	0.00	0.01	0.040	O	|	|	|	|	0.03
238.417	0.00	0.01	0.040	O	|	|	|	|	0.03
238.500	0.00	0.01	0.040	O	|	|	|	|	0.03
238.583	0.00	0.01	0.040	O	|	|	|	|	0.03
238.667	0.00	0.01	0.040	O	|	|	|	|	0.03
238.750	0.00	0.01	0.040	O	|	|	|	|	0.03
238.833	0.00	0.01	0.040	O	|	|	|	|	0.03
238.917	0.00	0.01	0.040	O	|	|	|	|	0.03
239.000	0.00	0.01	0.040	O	|	|	|	|	0.03
239.083	0.00	0.01	0.040	O	|	|	|	|	0.03
239.167	0.00	0.01	0.039	O	|	|	|	|	0.03
239.250	0.00	0.01	0.039	O	|	|	|	|	0.03
239.333	0.00	0.01	0.039	O	|	|	|	|	0.03
239.417	0.00	0.01	0.039	O	|	|	|	|	0.03
239.500	0.00	0.01	0.039	O	|	|	|	|	0.03
239.583	0.00	0.01	0.039	O	|	|	|	|	0.03
239.667	0.00	0.01	0.039	O	|	|	|	|	0.03
239.750	0.00	0.01	0.039	O	|	|	|	|	0.03
239.833	0.00	0.01	0.039	O	|	|	|	|	0.03
239.917	0.00	0.01	0.039	O	|	|	|	|	0.03
240.000	0.00	0.01	0.039	O	|	|	|	|	0.03
240.083	0.00	0.01	0.039	O	|	|	|	|	0.03
240.167	0.00	0.01	0.038	O	|	|	|	|	0.03

240.250	0.00	0.01	0.038	O	|	|	|	|	0.03
240.333	0.00	0.01	0.038	O	|	|	|	|	0.03
240.417	0.00	0.01	0.038	O	|	|	|	|	0.03
240.500	0.00	0.01	0.038	O	|	|	|	|	0.03
240.583	0.00	0.01	0.038	O	|	|	|	|	0.03
240.667	0.00	0.01	0.038	O	|	|	|	|	0.03
240.750	0.00	0.01	0.038	O	|	|	|	|	0.03
240.833	0.00	0.01	0.038	O	|	|	|	|	0.03
240.917	0.00	0.01	0.038	O	|	|	|	|	0.03
241.000	0.00	0.01	0.038	O	|	|	|	|	0.03
241.083	0.00	0.01	0.038	O	|	|	|	|	0.03
241.167	0.00	0.01	0.037	O	|	|	|	|	0.03
241.250	0.00	0.01	0.037	O	|	|	|	|	0.03
241.333	0.00	0.01	0.037	O	|	|	|	|	0.03
241.417	0.00	0.01	0.037	O	|	|	|	|	0.03
241.500	0.00	0.01	0.037	O	|	|	|	|	0.03
241.583	0.00	0.01	0.037	O	|	|	|	|	0.03
241.667	0.00	0.01	0.037	O	|	|	|	|	0.03
241.750	0.00	0.01	0.037	O	|	|	|	|	0.03
241.833	0.00	0.01	0.037	O	|	|	|	|	0.03
241.917	0.00	0.01	0.037	O	|	|	|	|	0.03
242.000	0.00	0.01	0.037	O	|	|	|	|	0.03
242.083	0.00	0.01	0.037	O	|	|	|	|	0.03
242.167	0.00	0.01	0.036	O	|	|	|	|	0.03
242.250	0.00	0.01	0.036	O	|	|	|	|	0.03
242.333	0.00	0.01	0.036	O	|	|	|	|	0.03
242.417	0.00	0.01	0.036	O	|	|	|	|	0.02
242.500	0.00	0.01	0.036	O	|	|	|	|	0.02
242.583	0.00	0.01	0.036	O	|	|	|	|	0.02
242.667	0.00	0.01	0.036	O	|	|	|	|	0.02
242.750	0.00	0.01	0.036	O	|	|	|	|	0.02
242.833	0.00	0.01	0.036	O	|	|	|	|	0.02
242.917	0.00	0.01	0.036	O	|	|	|	|	0.02
243.000	0.00	0.01	0.036	O	|	|	|	|	0.02
243.083	0.00	0.01	0.036	O	|	|	|	|	0.02
243.167	0.00	0.01	0.035	O	|	|	|	|	0.02
243.250	0.00	0.01	0.035	O	|	|	|	|	0.02
243.333	0.00	0.01	0.035	O	|	|	|	|	0.02
243.417	0.00	0.01	0.035	O	|	|	|	|	0.02
243.500	0.00	0.01	0.035	O	|	|	|	|	0.02
243.583	0.00	0.01	0.035	O	|	|	|	|	0.02
243.667	0.00	0.01	0.035	O	|	|	|	|	0.02
243.750	0.00	0.01	0.035	O	|	|	|	|	0.02
243.833	0.00	0.01	0.035	O	|	|	|	|	0.02
243.917	0.00	0.01	0.035	O	|	|	|	|	0.02
244.000	0.00	0.01	0.035	O	|	|	|	|	0.02
244.083	0.00	0.01	0.035	O	|	|	|	|	0.02
244.167	0.00	0.01	0.035	O	|	|	|	|	0.02
244.250	0.00	0.01	0.034	O	|	|	|	|	0.02
244.333	0.00	0.01	0.034	O	|	|	|	|	0.02
244.417	0.00	0.01	0.034	O	|	|	|	|	0.02
244.500	0.00	0.01	0.034	O	|	|	|	|	0.02
244.583	0.00	0.01	0.034	O	|	|	|	|	0.02
244.667	0.00	0.01	0.034	O	|	|	|	|	0.02
244.750	0.00	0.01	0.034	O	|	|	|	|	0.02
244.833	0.00	0.01	0.034	O	|	|	|	|	0.02
244.917	0.00	0.01	0.034	O	|	|	|	|	0.02
245.000	0.00	0.01	0.034	O	|	|	|	|	0.02
245.083	0.00	0.01	0.034	O	|	|	|	|	0.02
245.167	0.00	0.01	0.034	O	|	|	|	|	0.02
245.250	0.00	0.01	0.034	O	|	|	|	|	0.02
245.333	0.00	0.01	0.033	O	|	|	|	|	0.02
245.417	0.00	0.01	0.033	O	|	|	|	|	0.02
245.500	0.00	0.01	0.033	O	|	|	|	|	0.02
245.583	0.00	0.01	0.033	O	|	|	|	|	0.02
245.667	0.00	0.01	0.033	O	|	|	|	|	0.02
245.750	0.00	0.01	0.033	O	|	|	|	|	0.02

245.833	0.00	0.01	0.033	O	|	|	|	|	0.02
245.917	0.00	0.01	0.033	O	|	|	|	|	0.02
246.000	0.00	0.01	0.033	O	|	|	|	|	0.02
246.083	0.00	0.01	0.033	O	|	|	|	|	0.02
246.167	0.00	0.01	0.033	O	|	|	|	|	0.02
246.250	0.00	0.01	0.033	O	|	|	|	|	0.02
246.333	0.00	0.01	0.033	O	|	|	|	|	0.02
246.417	0.00	0.01	0.033	O	|	|	|	|	0.02
246.500	0.00	0.01	0.032	O	|	|	|	|	0.02
246.583	0.00	0.01	0.032	O	|	|	|	|	0.02
246.667	0.00	0.01	0.032	O	|	|	|	|	0.02
246.750	0.00	0.01	0.032	O	|	|	|	|	0.02
246.833	0.00	0.01	0.032	O	|	|	|	|	0.02
246.917	0.00	0.01	0.032	O	|	|	|	|	0.02
247.000	0.00	0.01	0.032	O	|	|	|	|	0.02
247.083	0.00	0.01	0.032	O	|	|	|	|	0.02
247.167	0.00	0.01	0.032	O	|	|	|	|	0.02
247.250	0.00	0.01	0.032	O	|	|	|	|	0.02
247.333	0.00	0.01	0.032	O	|	|	|	|	0.02
247.417	0.00	0.01	0.032	O	|	|	|	|	0.02
247.500	0.00	0.01	0.032	O	|	|	|	|	0.02
247.583	0.00	0.01	0.032	O	|	|	|	|	0.02
247.667	0.00	0.01	0.031	O	|	|	|	|	0.02
247.750	0.00	0.01	0.031	O	|	|	|	|	0.02
247.833	0.00	0.01	0.031	O	|	|	|	|	0.02
247.917	0.00	0.01	0.031	O	|	|	|	|	0.02
248.000	0.00	0.01	0.031	O	|	|	|	|	0.02
248.083	0.00	0.01	0.031	O	|	|	|	|	0.02
248.167	0.00	0.01	0.031	O	|	|	|	|	0.02
248.250	0.00	0.01	0.031	O	|	|	|	|	0.02
248.333	0.00	0.01	0.031	O	|	|	|	|	0.02
248.417	0.00	0.01	0.031	O	|	|	|	|	0.02
248.500	0.00	0.01	0.031	O	|	|	|	|	0.02
248.583	0.00	0.01	0.031	O	|	|	|	|	0.02
248.667	0.00	0.01	0.031	O	|	|	|	|	0.02
248.750	0.00	0.01	0.031	O	|	|	|	|	0.02
248.833	0.00	0.01	0.030	O	|	|	|	|	0.02
248.917	0.00	0.01	0.030	O	|	|	|	|	0.02
249.000	0.00	0.01	0.030	O	|	|	|	|	0.02
249.083	0.00	0.01	0.030	O	|	|	|	|	0.02
249.167	0.00	0.01	0.030	O	|	|	|	|	0.02
249.250	0.00	0.01	0.030	O	|	|	|	|	0.02
249.333	0.00	0.01	0.030	O	|	|	|	|	0.02
249.417	0.00	0.01	0.030	O	|	|	|	|	0.02
249.500	0.00	0.01	0.030	O	|	|	|	|	0.02
249.583	0.00	0.01	0.030	O	|	|	|	|	0.02
249.667	0.00	0.01	0.030	O	|	|	|	|	0.02
249.750	0.00	0.01	0.030	O	|	|	|	|	0.02
249.833	0.00	0.01	0.030	O	|	|	|	|	0.02
249.917	0.00	0.01	0.030	O	|	|	|	|	0.02
250.000	0.00	0.01	0.030	O	|	|	|	|	0.02
250.083	0.00	0.01	0.029	O	|	|	|	|	0.02
250.167	0.00	0.01	0.029	O	|	|	|	|	0.02
250.250	0.00	0.01	0.029	O	|	|	|	|	0.02
250.333	0.00	0.01	0.029	O	|	|	|	|	0.02
250.417	0.00	0.01	0.029	O	|	|	|	|	0.02
250.500	0.00	0.01	0.029	O	|	|	|	|	0.02
250.583	0.00	0.01	0.029	O	|	|	|	|	0.02
250.667	0.00	0.01	0.029	O	|	|	|	|	0.02
250.750	0.00	0.01	0.029	O	|	|	|	|	0.02
250.833	0.00	0.01	0.029	O	|	|	|	|	0.02
250.917	0.00	0.01	0.029	O	|	|	|	|	0.02
251.000	0.00	0.01	0.029	O	|	|	|	|	0.02
251.083	0.00	0.01	0.029	O	|	|	|	|	0.02
251.167	0.00	0.01	0.029	O	|	|	|	|	0.02
251.250	0.00	0.01	0.029	O	|	|	|	|	0.02
251.333	0.00	0.01	0.029	O	|	|	|	|	0.02

251.417	0.00	0.01	0.028	O	|	|	|	|	0.02
251.500	0.00	0.01	0.028	O	|	|	|	|	0.02
251.583	0.00	0.01	0.028	O	|	|	|	|	0.02
251.667	0.00	0.01	0.028	O	|	|	|	|	0.02
251.750	0.00	0.01	0.028	O	|	|	|	|	0.02
251.833	0.00	0.01	0.028	O	|	|	|	|	0.02
251.917	0.00	0.01	0.028	O	|	|	|	|	0.02
252.000	0.00	0.01	0.028	O	|	|	|	|	0.02
252.083	0.00	0.01	0.028	O	|	|	|	|	0.02
252.167	0.00	0.01	0.028	O	|	|	|	|	0.02
252.250	0.00	0.01	0.028	O	|	|	|	|	0.02
252.333	0.00	0.01	0.028	O	|	|	|	|	0.02
252.417	0.00	0.01	0.028	O	|	|	|	|	0.02
252.500	0.00	0.01	0.028	O	|	|	|	|	0.02
252.583	0.00	0.01	0.028	O	|	|	|	|	0.02
252.667	0.00	0.01	0.028	O	|	|	|	|	0.02
252.750	0.00	0.01	0.027	O	|	|	|	|	0.02
252.833	0.00	0.01	0.027	O	|	|	|	|	0.02
252.917	0.00	0.01	0.027	O	|	|	|	|	0.02
253.000	0.00	0.01	0.027	O	|	|	|	|	0.02
253.083	0.00	0.01	0.027	O	|	|	|	|	0.02
253.167	0.00	0.01	0.027	O	|	|	|	|	0.02
253.250	0.00	0.01	0.027	O	|	|	|	|	0.02
253.333	0.00	0.01	0.027	O	|	|	|	|	0.02
253.417	0.00	0.01	0.027	O	|	|	|	|	0.02
253.500	0.00	0.01	0.027	O	|	|	|	|	0.02
253.583	0.00	0.01	0.027	O	|	|	|	|	0.02
253.667	0.00	0.01	0.027	O	|	|	|	|	0.02
253.750	0.00	0.01	0.027	O	|	|	|	|	0.02
253.833	0.00	0.01	0.027	O	|	|	|	|	0.02
253.917	0.00	0.01	0.027	O	|	|	|	|	0.02
254.000	0.00	0.01	0.027	O	|	|	|	|	0.02
254.083	0.00	0.01	0.026	O	|	|	|	|	0.02
254.167	0.00	0.01	0.026	O	|	|	|	|	0.02
254.250	0.00	0.01	0.026	O	|	|	|	|	0.02
254.333	0.00	0.01	0.026	O	|	|	|	|	0.02
254.417	0.00	0.01	0.026	O	|	|	|	|	0.02
254.500	0.00	0.01	0.026	O	|	|	|	|	0.02
254.583	0.00	0.01	0.026	O	|	|	|	|	0.02
254.667	0.00	0.01	0.026	O	|	|	|	|	0.02
254.750	0.00	0.01	0.026	O	|	|	|	|	0.02
254.833	0.00	0.01	0.026	O	|	|	|	|	0.02
254.917	0.00	0.01	0.026	O	|	|	|	|	0.02
255.000	0.00	0.01	0.026	O	|	|	|	|	0.02
255.083	0.00	0.01	0.026	O	|	|	|	|	0.02
255.167	0.00	0.01	0.026	O	|	|	|	|	0.02
255.250	0.00	0.01	0.026	O	|	|	|	|	0.02
255.333	0.00	0.01	0.026	O	|	|	|	|	0.02
255.417	0.00	0.01	0.026	O	|	|	|	|	0.02
255.500	0.00	0.01	0.025	O	|	|	|	|	0.02
255.583	0.00	0.01	0.025	O	|	|	|	|	0.02
255.667	0.00	0.01	0.025	O	|	|	|	|	0.02
255.750	0.00	0.01	0.025	O	|	|	|	|	0.02
255.833	0.00	0.01	0.025	O	|	|	|	|	0.02
255.917	0.00	0.01	0.025	O	|	|	|	|	0.02
256.000	0.00	0.01	0.025	O	|	|	|	|	0.02
256.083	0.00	0.01	0.025	O	|	|	|	|	0.02
256.167	0.00	0.01	0.025	O	|	|	|	|	0.02
256.250	0.00	0.01	0.025	O	|	|	|	|	0.02
256.333	0.00	0.01	0.025	O	|	|	|	|	0.02
256.417	0.00	0.01	0.025	O	|	|	|	|	0.02
256.500	0.00	0.01	0.025	O	|	|	|	|	0.02
256.583	0.00	0.01	0.025	O	|	|	|	|	0.02
256.667	0.00	0.01	0.025	O	|	|	|	|	0.02
256.750	0.00	0.01	0.025	O	|	|	|	|	0.02
256.833	0.00	0.01	0.025	O	|	|	|	|	0.02
256.917	0.00	0.01	0.025	O	|	|	|	|	0.02

257.000	0.00	0.01	0.024	O	|	|	|	|	0.02
257.083	0.00	0.01	0.024	O	|	|	|	|	0.02
257.167	0.00	0.01	0.024	O	|	|	|	|	0.02
257.250	0.00	0.01	0.024	O	|	|	|	|	0.02
257.333	0.00	0.01	0.024	O	|	|	|	|	0.02
257.417	0.00	0.01	0.024	O	|	|	|	|	0.02
257.500	0.00	0.01	0.024	O	|	|	|	|	0.02
257.583	0.00	0.01	0.024	O	|	|	|	|	0.02
257.667	0.00	0.01	0.024	O	|	|	|	|	0.02
257.750	0.00	0.01	0.024	O	|	|	|	|	0.02
257.833	0.00	0.01	0.024	O	|	|	|	|	0.02
257.917	0.00	0.01	0.024	O	|	|	|	|	0.02
258.000	0.00	0.01	0.024	O	|	|	|	|	0.02
258.083	0.00	0.01	0.024	O	|	|	|	|	0.02
258.167	0.00	0.01	0.024	O	|	|	|	|	0.02
258.250	0.00	0.01	0.024	O	|	|	|	|	0.02
258.333	0.00	0.01	0.024	O	|	|	|	|	0.02
258.417	0.00	0.01	0.024	O	|	|	|	|	0.02
258.500	0.00	0.01	0.024	O	|	|	|	|	0.02
258.583	0.00	0.01	0.023	O	|	|	|	|	0.02
258.667	0.00	0.01	0.023	O	|	|	|	|	0.02
258.750	0.00	0.01	0.023	O	|	|	|	|	0.02
258.833	0.00	0.01	0.023	O	|	|	|	|	0.02
258.917	0.00	0.01	0.023	O	|	|	|	|	0.02
259.000	0.00	0.01	0.023	O	|	|	|	|	0.02
259.083	0.00	0.01	0.023	O	|	|	|	|	0.02
259.167	0.00	0.01	0.023	O	|	|	|	|	0.02
259.250	0.00	0.01	0.023	O	|	|	|	|	0.02
259.333	0.00	0.01	0.023	O	|	|	|	|	0.02
259.417	0.00	0.01	0.023	O	|	|	|	|	0.02
259.500	0.00	0.01	0.023	O	|	|	|	|	0.02
259.583	0.00	0.01	0.023	O	|	|	|	|	0.02
259.667	0.00	0.01	0.023	O	|	|	|	|	0.02
259.750	0.00	0.01	0.023	O	|	|	|	|	0.02
259.833	0.00	0.01	0.023	O	|	|	|	|	0.02
259.917	0.00	0.01	0.023	O	|	|	|	|	0.02
260.000	0.00	0.01	0.023	O	|	|	|	|	0.02
260.083	0.00	0.01	0.023	O	|	|	|	|	0.02
260.167	0.00	0.01	0.023	O	|	|	|	|	0.02
260.250	0.00	0.01	0.022	O	|	|	|	|	0.02
260.333	0.00	0.01	0.022	O	|	|	|	|	0.02
260.417	0.00	0.01	0.022	O	|	|	|	|	0.02
260.500	0.00	0.01	0.022	O	|	|	|	|	0.02
260.583	0.00	0.01	0.022	O	|	|	|	|	0.02
260.667	0.00	0.01	0.022	O	|	|	|	|	0.02
260.750	0.00	0.01	0.022	O	|	|	|	|	0.02
260.833	0.00	0.01	0.022	O	|	|	|	|	0.02
260.917	0.00	0.01	0.022	O	|	|	|	|	0.02
261.000	0.00	0.01	0.022	O	|	|	|	|	0.02
261.083	0.00	0.01	0.022	O	|	|	|	|	0.02
261.167	0.00	0.01	0.022	O	|	|	|	|	0.02
261.250	0.00	0.01	0.022	O	|	|	|	|	0.02
261.333	0.00	0.01	0.022	O	|	|	|	|	0.02
261.417	0.00	0.01	0.022	O	|	|	|	|	0.02
261.500	0.00	0.01	0.022	O	|	|	|	|	0.01
261.583	0.00	0.01	0.022	O	|	|	|	|	0.01
261.667	0.00	0.01	0.022	O	|	|	|	|	0.01
261.750	0.00	0.01	0.022	O	|	|	|	|	0.01
261.833	0.00	0.01	0.022	O	|	|	|	|	0.01
261.917	0.00	0.01	0.021	O	|	|	|	|	0.01
262.000	0.00	0.01	0.021	O	|	|	|	|	0.01
262.083	0.00	0.01	0.021	O	|	|	|	|	0.01
262.167	0.00	0.01	0.021	O	|	|	|	|	0.01
262.250	0.00	0.01	0.021	O	|	|	|	|	0.01
262.333	0.00	0.01	0.021	O	|	|	|	|	0.01
262.417	0.00	0.01	0.021	O	|	|	|	|	0.01
262.500	0.00	0.01	0.021	O	|	|	|	|	0.01

262.583	0.00	0.01	0.021	O	|	|	|	|	0.01
262.667	0.00	0.01	0.021	O	|	|	|	|	0.01
262.750	0.00	0.01	0.021	O	|	|	|	|	0.01
262.833	0.00	0.01	0.021	O	|	|	|	|	0.01
262.917	0.00	0.01	0.021	O	|	|	|	|	0.01
263.000	0.00	0.01	0.021	O	|	|	|	|	0.01
263.083	0.00	0.01	0.021	O	|	|	|	|	0.01
263.167	0.00	0.01	0.021	O	|	|	|	|	0.01
263.250	0.00	0.01	0.021	O	|	|	|	|	0.01
263.333	0.00	0.01	0.021	O	|	|	|	|	0.01
263.417	0.00	0.01	0.021	O	|	|	|	|	0.01
263.500	0.00	0.01	0.021	O	|	|	|	|	0.01
263.583	0.00	0.01	0.021	O	|	|	|	|	0.01
263.667	0.00	0.01	0.020	O	|	|	|	|	0.01
263.750	0.00	0.01	0.020	O	|	|	|	|	0.01
263.833	0.00	0.01	0.020	O	|	|	|	|	0.01
263.917	0.00	0.01	0.020	O	|	|	|	|	0.01
264.000	0.00	0.01	0.020	O	|	|	|	|	0.01
264.083	0.00	0.01	0.020	O	|	|	|	|	0.01
264.167	0.00	0.01	0.020	O	|	|	|	|	0.01
264.250	0.00	0.01	0.020	O	|	|	|	|	0.01
264.333	0.00	0.01	0.020	O	|	|	|	|	0.01
264.417	0.00	0.01	0.020	O	|	|	|	|	0.01
264.500	0.00	0.01	0.020	O	|	|	|	|	0.01
264.583	0.00	0.01	0.020	O	|	|	|	|	0.01
264.667	0.00	0.01	0.020	O	|	|	|	|	0.01
264.750	0.00	0.01	0.020	O	|	|	|	|	0.01
264.833	0.00	0.01	0.020	O	|	|	|	|	0.01
264.917	0.00	0.01	0.020	O	|	|	|	|	0.01
265.000	0.00	0.01	0.020	O	|	|	|	|	0.01
265.083	0.00	0.01	0.020	O	|	|	|	|	0.01
265.167	0.00	0.01	0.020	O	|	|	|	|	0.01
265.250	0.00	0.01	0.020	O	|	|	|	|	0.01
265.333	0.00	0.01	0.020	O	|	|	|	|	0.01
265.417	0.00	0.01	0.020	O	|	|	|	|	0.01
265.500	0.00	0.01	0.020	O	|	|	|	|	0.01
265.583	0.00	0.01	0.019	O	|	|	|	|	0.01
265.667	0.00	0.01	0.019	O	|	|	|	|	0.01
265.750	0.00	0.01	0.019	O	|	|	|	|	0.01
265.833	0.00	0.01	0.019	O	|	|	|	|	0.01
265.917	0.00	0.01	0.019	O	|	|	|	|	0.01
266.000	0.00	0.01	0.019	O	|	|	|	|	0.01
266.083	0.00	0.01	0.019	O	|	|	|	|	0.01
266.167	0.00	0.01	0.019	O	|	|	|	|	0.01
266.250	0.00	0.01	0.019	O	|	|	|	|	0.01
266.333	0.00	0.01	0.019	O	|	|	|	|	0.01
266.417	0.00	0.01	0.019	O	|	|	|	|	0.01
266.500	0.00	0.01	0.019	O	|	|	|	|	0.01
266.583	0.00	0.01	0.019	O	|	|	|	|	0.01
266.667	0.00	0.01	0.019	O	|	|	|	|	0.01
266.750	0.00	0.01	0.019	O	|	|	|	|	0.01
266.833	0.00	0.01	0.019	O	|	|	|	|	0.01
266.917	0.00	0.01	0.019	O	|	|	|	|	0.01
267.000	0.00	0.01	0.019	O	|	|	|	|	0.01
267.083	0.00	0.01	0.019	O	|	|	|	|	0.01
267.167	0.00	0.01	0.019	O	|	|	|	|	0.01
267.250	0.00	0.01	0.019	O	|	|	|	|	0.01
267.333	0.00	0.01	0.019	O	|	|	|	|	0.01
267.417	0.00	0.01	0.019	O	|	|	|	|	0.01
267.500	0.00	0.01	0.018	O	|	|	|	|	0.01
267.583	0.00	0.01	0.018	O	|	|	|	|	0.01
267.667	0.00	0.01	0.018	O	|	|	|	|	0.01
267.750	0.00	0.01	0.018	O	|	|	|	|	0.01
267.833	0.00	0.01	0.018	O	|	|	|	|	0.01
267.917	0.00	0.01	0.018	O	|	|	|	|	0.01
268.000	0.00	0.01	0.018	O	|	|	|	|	0.01
268.083	0.00	0.01	0.018	O	|	|	|	|	0.01

268.167	0.00	0.01	0.018	O	|	|	|	|	0.01
268.250	0.00	0.01	0.018	O	|	|	|	|	0.01
268.333	0.00	0.01	0.018	O	|	|	|	|	0.01
268.417	0.00	0.01	0.018	O	|	|	|	|	0.01
268.500	0.00	0.01	0.018	O	|	|	|	|	0.01
268.583	0.00	0.01	0.018	O	|	|	|	|	0.01
268.667	0.00	0.01	0.018	O	|	|	|	|	0.01
268.750	0.00	0.01	0.018	O	|	|	|	|	0.01
268.833	0.00	0.01	0.018	O	|	|	|	|	0.01
268.917	0.00	0.01	0.018	O	|	|	|	|	0.01
269.000	0.00	0.01	0.018	O	|	|	|	|	0.01
269.083	0.00	0.01	0.018	O	|	|	|	|	0.01
269.167	0.00	0.01	0.018	O	|	|	|	|	0.01
269.250	0.00	0.01	0.018	O	|	|	|	|	0.01
269.333	0.00	0.01	0.018	O	|	|	|	|	0.01
269.417	0.00	0.01	0.018	O	|	|	|	|	0.01
269.500	0.00	0.01	0.018	O	|	|	|	|	0.01
269.583	0.00	0.01	0.017	O	|	|	|	|	0.01
269.667	0.00	0.01	0.017	O	|	|	|	|	0.01
269.750	0.00	0.01	0.017	O	|	|	|	|	0.01
269.833	0.00	0.01	0.017	O	|	|	|	|	0.01
269.917	0.00	0.01	0.017	O	|	|	|	|	0.01
270.000	0.00	0.01	0.017	O	|	|	|	|	0.01
270.083	0.00	0.01	0.017	O	|	|	|	|	0.01
270.167	0.00	0.01	0.017	O	|	|	|	|	0.01
270.250	0.00	0.01	0.017	O	|	|	|	|	0.01
270.333	0.00	0.01	0.017	O	|	|	|	|	0.01
270.417	0.00	0.01	0.017	O	|	|	|	|	0.01
270.500	0.00	0.01	0.017	O	|	|	|	|	0.01
270.583	0.00	0.01	0.017	O	|	|	|	|	0.01
270.667	0.00	0.01	0.017	O	|	|	|	|	0.01
270.750	0.00	0.01	0.017	O	|	|	|	|	0.01
270.833	0.00	0.01	0.017	O	|	|	|	|	0.01
270.917	0.00	0.01	0.017	O	|	|	|	|	0.01
271.000	0.00	0.01	0.017	O	|	|	|	|	0.01
271.083	0.00	0.01	0.017	O	|	|	|	|	0.01
271.167	0.00	0.01	0.017	O	|	|	|	|	0.01
271.250	0.00	0.01	0.017	O	|	|	|	|	0.01
271.333	0.00	0.01	0.017	O	|	|	|	|	0.01
271.417	0.00	0.01	0.017	O	|	|	|	|	0.01
271.500	0.00	0.01	0.017	O	|	|	|	|	0.01
271.583	0.00	0.01	0.017	O	|	|	|	|	0.01
271.667	0.00	0.01	0.017	O	|	|	|	|	0.01
271.750	0.00	0.01	0.017	O	|	|	|	|	0.01
271.833	0.00	0.01	0.016	O	|	|	|	|	0.01
271.917	0.00	0.01	0.016	O	|	|	|	|	0.01
272.000	0.00	0.01	0.016	O	|	|	|	|	0.01
272.083	0.00	0.01	0.016	O	|	|	|	|	0.01
272.167	0.00	0.01	0.016	O	|	|	|	|	0.01
272.250	0.00	0.01	0.016	O	|	|	|	|	0.01
272.333	0.00	0.01	0.016	O	|	|	|	|	0.01
272.417	0.00	0.01	0.016	O	|	|	|	|	0.01
272.500	0.00	0.01	0.016	O	|	|	|	|	0.01
272.583	0.00	0.01	0.016	O	|	|	|	|	0.01
272.667	0.00	0.01	0.016	O	|	|	|	|	0.01
272.750	0.00	0.01	0.016	O	|	|	|	|	0.01
272.833	0.00	0.01	0.016	O	|	|	|	|	0.01
272.917	0.00	0.01	0.016	O	|	|	|	|	0.01
273.000	0.00	0.01	0.016	O	|	|	|	|	0.01
273.083	0.00	0.01	0.016	O	|	|	|	|	0.01
273.167	0.00	0.01	0.016	O	|	|	|	|	0.01
273.250	0.00	0.01	0.016	O	|	|	|	|	0.01
273.333	0.00	0.01	0.016	O	|	|	|	|	0.01
273.417	0.00	0.01	0.016	O	|	|	|	|	0.01
273.500	0.00	0.01	0.016	O	|	|	|	|	0.01
273.583	0.00	0.01	0.016	O	|	|	|	|	0.01
273.667	0.00	0.01	0.016	O	|	|	|	|	0.01

273.750	0.00	0.01	0.016	O	|	|	|	|	0.01
273.833	0.00	0.01	0.016	O	|	|	|	|	0.01
273.917	0.00	0.01	0.016	O	|	|	|	|	0.01
274.000	0.00	0.01	0.016	O	|	|	|	|	0.01
274.083	0.00	0.01	0.016	O	|	|	|	|	0.01
274.167	0.00	0.01	0.015	O	|	|	|	|	0.01
274.250	0.00	0.01	0.015	O	|	|	|	|	0.01
274.333	0.00	0.00	0.015	O	|	|	|	|	0.01
274.417	0.00	0.00	0.015	O	|	|	|	|	0.01
274.500	0.00	0.00	0.015	O	|	|	|	|	0.01
274.583	0.00	0.00	0.015	O	|	|	|	|	0.01
274.667	0.00	0.00	0.015	O	|	|	|	|	0.01
274.750	0.00	0.00	0.015	O	|	|	|	|	0.01
274.833	0.00	0.00	0.015	O	|	|	|	|	0.01
274.917	0.00	0.00	0.015	O	|	|	|	|	0.01
275.000	0.00	0.00	0.015	O	|	|	|	|	0.01
275.083	0.00	0.00	0.015	O	|	|	|	|	0.01
275.167	0.00	0.00	0.015	O	|	|	|	|	0.01
275.250	0.00	0.00	0.015	O	|	|	|	|	0.01
275.333	0.00	0.00	0.015	O	|	|	|	|	0.01
275.417	0.00	0.00	0.015	O	|	|	|	|	0.01
275.500	0.00	0.00	0.015	O	|	|	|	|	0.01
275.583	0.00	0.00	0.015	O	|	|	|	|	0.01
275.667	0.00	0.00	0.015	O	|	|	|	|	0.01
275.750	0.00	0.00	0.015	O	|	|	|	|	0.01
275.833	0.00	0.00	0.015	O	|	|	|	|	0.01
275.917	0.00	0.00	0.015	O	|	|	|	|	0.01
276.000	0.00	0.00	0.015	O	|	|	|	|	0.01
276.083	0.00	0.00	0.015	O	|	|	|	|	0.01
276.167	0.00	0.00	0.015	O	|	|	|	|	0.01
276.250	0.00	0.00	0.015	O	|	|	|	|	0.01
276.333	0.00	0.00	0.015	O	|	|	|	|	0.01
276.417	0.00	0.00	0.015	O	|	|	|	|	0.01
276.500	0.00	0.00	0.015	O	|	|	|	|	0.01
276.583	0.00	0.00	0.014	O	|	|	|	|	0.01
276.667	0.00	0.00	0.014	O	|	|	|	|	0.01
276.750	0.00	0.00	0.014	O	|	|	|	|	0.01
276.833	0.00	0.00	0.014	O	|	|	|	|	0.01
276.917	0.00	0.00	0.014	O	|	|	|	|	0.01
277.000	0.00	0.00	0.014	O	|	|	|	|	0.01
277.083	0.00	0.00	0.014	O	|	|	|	|	0.01
277.167	0.00	0.00	0.014	O	|	|	|	|	0.01
277.250	0.00	0.00	0.014	O	|	|	|	|	0.01
277.333	0.00	0.00	0.014	O	|	|	|	|	0.01
277.417	0.00	0.00	0.014	O	|	|	|	|	0.01
277.500	0.00	0.00	0.014	O	|	|	|	|	0.01
277.583	0.00	0.00	0.014	O	|	|	|	|	0.01
277.667	0.00	0.00	0.014	O	|	|	|	|	0.01
277.750	0.00	0.00	0.014	O	|	|	|	|	0.01
277.833	0.00	0.00	0.014	O	|	|	|	|	0.01
277.917	0.00	0.00	0.014	O	|	|	|	|	0.01
278.000	0.00	0.00	0.014	O	|	|	|	|	0.01
278.083	0.00	0.00	0.014	O	|	|	|	|	0.01
278.167	0.00	0.00	0.014	O	|	|	|	|	0.01
278.250	0.00	0.00	0.014	O	|	|	|	|	0.01
278.333	0.00	0.00	0.014	O	|	|	|	|	0.01
278.417	0.00	0.00	0.014	O	|	|	|	|	0.01
278.500	0.00	0.00	0.014	O	|	|	|	|	0.01
278.583	0.00	0.00	0.014	O	|	|	|	|	0.01
278.667	0.00	0.00	0.014	O	|	|	|	|	0.01
278.750	0.00	0.00	0.014	O	|	|	|	|	0.01
278.833	0.00	0.00	0.014	O	|	|	|	|	0.01
278.917	0.00	0.00	0.014	O	|	|	|	|	0.01
279.000	0.00	0.00	0.014	O	|	|	|	|	0.01
279.083	0.00	0.00	0.014	O	|	|	|	|	0.01
279.167	0.00	0.00	0.014	O	|	|	|	|	0.01
279.250	0.00	0.00	0.013	O	|	|	|	|	0.01

279.333	0.00	0.00	0.013	O	|	|	|	|	0.01
279.417	0.00	0.00	0.013	O	|	|	|	|	0.01
279.500	0.00	0.00	0.013	O	|	|	|	|	0.01
279.583	0.00	0.00	0.013	O	|	|	|	|	0.01
279.667	0.00	0.00	0.013	O	|	|	|	|	0.01
279.750	0.00	0.00	0.013	O	|	|	|	|	0.01
279.833	0.00	0.00	0.013	O	|	|	|	|	0.01
279.917	0.00	0.00	0.013	O	|	|	|	|	0.01
280.000	0.00	0.00	0.013	O	|	|	|	|	0.01
280.083	0.00	0.00	0.013	O	|	|	|	|	0.01
280.167	0.00	0.00	0.013	O	|	|	|	|	0.01
280.250	0.00	0.00	0.013	O	|	|	|	|	0.01
280.333	0.00	0.00	0.013	O	|	|	|	|	0.01
280.417	0.00	0.00	0.013	O	|	|	|	|	0.01
280.500	0.00	0.00	0.013	O	|	|	|	|	0.01
280.583	0.00	0.00	0.013	O	|	|	|	|	0.01
280.667	0.00	0.00	0.013	O	|	|	|	|	0.01
280.750	0.00	0.00	0.013	O	|	|	|	|	0.01
280.833	0.00	0.00	0.013	O	|	|	|	|	0.01
280.917	0.00	0.00	0.013	O	|	|	|	|	0.01
281.000	0.00	0.00	0.013	O	|	|	|	|	0.01
281.083	0.00	0.00	0.013	O	|	|	|	|	0.01
281.167	0.00	0.00	0.013	O	|	|	|	|	0.01
281.250	0.00	0.00	0.013	O	|	|	|	|	0.01
281.333	0.00	0.00	0.013	O	|	|	|	|	0.01
281.417	0.00	0.00	0.013	O	|	|	|	|	0.01
281.500	0.00	0.00	0.013	O	|	|	|	|	0.01
281.583	0.00	0.00	0.013	O	|	|	|	|	0.01
281.667	0.00	0.00	0.013	O	|	|	|	|	0.01
281.750	0.00	0.00	0.013	O	|	|	|	|	0.01
281.833	0.00	0.00	0.013	O	|	|	|	|	0.01
281.917	0.00	0.00	0.013	O	|	|	|	|	0.01
282.000	0.00	0.00	0.013	O	|	|	|	|	0.01
282.083	0.00	0.00	0.013	O	|	|	|	|	0.01
282.167	0.00	0.00	0.012	O	|	|	|	|	0.01
282.250	0.00	0.00	0.012	O	|	|	|	|	0.01
282.333	0.00	0.00	0.012	O	|	|	|	|	0.01
282.417	0.00	0.00	0.012	O	|	|	|	|	0.01
282.500	0.00	0.00	0.012	O	|	|	|	|	0.01
282.583	0.00	0.00	0.012	O	|	|	|	|	0.01
282.667	0.00	0.00	0.012	O	|	|	|	|	0.01
282.750	0.00	0.00	0.012	O	|	|	|	|	0.01
282.833	0.00	0.00	0.012	O	|	|	|	|	0.01
282.917	0.00	0.00	0.012	O	|	|	|	|	0.01
283.000	0.00	0.00	0.012	O	|	|	|	|	0.01
283.083	0.00	0.00	0.012	O	|	|	|	|	0.01
283.167	0.00	0.00	0.012	O	|	|	|	|	0.01
283.250	0.00	0.00	0.012	O	|	|	|	|	0.01
283.333	0.00	0.00	0.012	O	|	|	|	|	0.01
283.417	0.00	0.00	0.012	O	|	|	|	|	0.01
283.500	0.00	0.00	0.012	O	|	|	|	|	0.01
283.583	0.00	0.00	0.012	O	|	|	|	|	0.01
283.667	0.00	0.00	0.012	O	|	|	|	|	0.01
283.750	0.00	0.00	0.012	O	|	|	|	|	0.01
283.833	0.00	0.00	0.012	O	|	|	|	|	0.01
283.917	0.00	0.00	0.012	O	|	|	|	|	0.01
284.000	0.00	0.00	0.012	O	|	|	|	|	0.01
284.083	0.00	0.00	0.012	O	|	|	|	|	0.01
284.167	0.00	0.00	0.012	O	|	|	|	|	0.01
284.250	0.00	0.00	0.012	O	|	|	|	|	0.01
284.333	0.00	0.00	0.012	O	|	|	|	|	0.01
284.417	0.00	0.00	0.012	O	|	|	|	|	0.01
284.500	0.00	0.00	0.012	O	|	|	|	|	0.01
284.583	0.00	0.00	0.012	O	|	|	|	|	0.01
284.667	0.00	0.00	0.012	O	|	|	|	|	0.01
284.750	0.00	0.00	0.012	O	|	|	|	|	0.01
284.833	0.00	0.00	0.012	O	|	|	|	|	0.01

284.917	0.00	0.00	0.012	O	|	|	|	|	0.01
285.000	0.00	0.00	0.012	O	|	|	|	|	0.01
285.083	0.00	0.00	0.012	O	|	|	|	|	0.01
285.167	0.00	0.00	0.012	O	|	|	|	|	0.01
285.250	0.00	0.00	0.011	O	|	|	|	|	0.01
285.333	0.00	0.00	0.011	O	|	|	|	|	0.01
285.417	0.00	0.00	0.011	O	|	|	|	|	0.01
285.500	0.00	0.00	0.011	O	|	|	|	|	0.01
285.583	0.00	0.00	0.011	O	|	|	|	|	0.01
285.667	0.00	0.00	0.011	O	|	|	|	|	0.01
285.750	0.00	0.00	0.011	O	|	|	|	|	0.01
285.833	0.00	0.00	0.011	O	|	|	|	|	0.01
285.917	0.00	0.00	0.011	O	|	|	|	|	0.01
286.000	0.00	0.00	0.011	O	|	|	|	|	0.01
286.083	0.00	0.00	0.011	O	|	|	|	|	0.01
286.167	0.00	0.00	0.011	O	|	|	|	|	0.01
286.250	0.00	0.00	0.011	O	|	|	|	|	0.01
286.333	0.00	0.00	0.011	O	|	|	|	|	0.01
286.417	0.00	0.00	0.011	O	|	|	|	|	0.01
286.500	0.00	0.00	0.011	O	|	|	|	|	0.01
286.583	0.00	0.00	0.011	O	|	|	|	|	0.01
286.667	0.00	0.00	0.011	O	|	|	|	|	0.01
286.750	0.00	0.00	0.011	O	|	|	|	|	0.01
286.833	0.00	0.00	0.011	O	|	|	|	|	0.01
286.917	0.00	0.00	0.011	O	|	|	|	|	0.01
287.000	0.00	0.00	0.011	O	|	|	|	|	0.01
287.083	0.00	0.00	0.011	O	|	|	|	|	0.01
287.167	0.00	0.00	0.011	O	|	|	|	|	0.01
287.250	0.00	0.00	0.011	O	|	|	|	|	0.01
287.333	0.00	0.00	0.011	O	|	|	|	|	0.01
287.417	0.00	0.00	0.011	O	|	|	|	|	0.01
287.500	0.00	0.00	0.011	O	|	|	|	|	0.01
287.583	0.00	0.00	0.011	O	|	|	|	|	0.01
287.667	0.00	0.00	0.011	O	|	|	|	|	0.01
287.750	0.00	0.00	0.011	O	|	|	|	|	0.01
287.833	0.00	0.00	0.011	O	|	|	|	|	0.01
287.917	0.00	0.00	0.011	O	|	|	|	|	0.01
288.000	0.00	0.00	0.011	O	|	|	|	|	0.01
288.083	0.00	0.00	0.011	O	|	|	|	|	0.01
288.167	0.00	0.00	0.011	O	|	|	|	|	0.01
288.250	0.00	0.00	0.011	O	|	|	|	|	0.01
288.333	0.00	0.00	0.011	O	|	|	|	|	0.01
288.417	0.00	0.00	0.011	O	|	|	|	|	0.01
288.500	0.00	0.00	0.011	O	|	|	|	|	0.01
288.583	0.00	0.00	0.011	O	|	|	|	|	0.01
288.667	0.00	0.00	0.010	O	|	|	|	|	0.01
288.750	0.00	0.00	0.010	O	|	|	|	|	0.01
288.833	0.00	0.00	0.010	O	|	|	|	|	0.01
288.917	0.00	0.00	0.010	O	|	|	|	|	0.01
289.000	0.00	0.00	0.010	O	|	|	|	|	0.01
289.083	0.00	0.00	0.010	O	|	|	|	|	0.01
289.167	0.00	0.00	0.010	O	|	|	|	|	0.01
289.250	0.00	0.00	0.010	O	|	|	|	|	0.01
289.333	0.00	0.00	0.010	O	|	|	|	|	0.01
289.417	0.00	0.00	0.010	O	|	|	|	|	0.01
289.500	0.00	0.00	0.010	O	|	|	|	|	0.01
289.583	0.00	0.00	0.010	O	|	|	|	|	0.01
289.667	0.00	0.00	0.010	O	|	|	|	|	0.01
289.750	0.00	0.00	0.010	O	|	|	|	|	0.01
289.833	0.00	0.00	0.010	O	|	|	|	|	0.01
289.917	0.00	0.00	0.010	O	|	|	|	|	0.01
290.000	0.00	0.00	0.010	O	|	|	|	|	0.01
290.083	0.00	0.00	0.010	O	|	|	|	|	0.01
290.167	0.00	0.00	0.010	O	|	|	|	|	0.01
290.250	0.00	0.00	0.010	O	|	|	|	|	0.01
290.333	0.00	0.00	0.010	O	|	|	|	|	0.01
290.417	0.00	0.00	0.010	O	|	|	|	|	0.01

290.500	0.00	0.00	0.010	O	|	|	|	|	0.01
290.583	0.00	0.00	0.010	O	|	|	|	|	0.01
290.667	0.00	0.00	0.010	O	|	|	|	|	0.01
290.750	0.00	0.00	0.010	O	|	|	|	|	0.01
290.833	0.00	0.00	0.010	O	|	|	|	|	0.01
290.917	0.00	0.00	0.010	O	|	|	|	|	0.01
291.000	0.00	0.00	0.010	O	|	|	|	|	0.01
291.083	0.00	0.00	0.010	O	|	|	|	|	0.01
291.167	0.00	0.00	0.010	O	|	|	|	|	0.01
291.250	0.00	0.00	0.010	O	|	|	|	|	0.01
291.333	0.00	0.00	0.010	O	|	|	|	|	0.01
291.417	0.00	0.00	0.010	O	|	|	|	|	0.01
291.500	0.00	0.00	0.010	O	|	|	|	|	0.01
291.583	0.00	0.00	0.010	O	|	|	|	|	0.01
291.667	0.00	0.00	0.010	O	|	|	|	|	0.01
291.750	0.00	0.00	0.010	O	|	|	|	|	0.01
291.833	0.00	0.00	0.010	O	|	|	|	|	0.01
291.917	0.00	0.00	0.010	O	|	|	|	|	0.01
292.000	0.00	0.00	0.010	O	|	|	|	|	0.01
292.083	0.00	0.00	0.010	O	|	|	|	|	0.01
292.167	0.00	0.00	0.010	O	|	|	|	|	0.01
292.250	0.00	0.00	0.010	O	|	|	|	|	0.01
292.333	0.00	0.00	0.010	O	|	|	|	|	0.01
292.417	0.00	0.00	0.009	O	|	|	|	|	0.01
292.500	0.00	0.00	0.009	O	|	|	|	|	0.01
292.583	0.00	0.00	0.009	O	|	|	|	|	0.01
292.667	0.00	0.00	0.009	O	|	|	|	|	0.01
292.750	0.00	0.00	0.009	O	|	|	|	|	0.01
292.833	0.00	0.00	0.009	O	|	|	|	|	0.01
292.917	0.00	0.00	0.009	O	|	|	|	|	0.01
293.000	0.00	0.00	0.009	O	|	|	|	|	0.01
293.083	0.00	0.00	0.009	O	|	|	|	|	0.01
293.167	0.00	0.00	0.009	O	|	|	|	|	0.01
293.250	0.00	0.00	0.009	O	|	|	|	|	0.01
293.333	0.00	0.00	0.009	O	|	|	|	|	0.01
293.417	0.00	0.00	0.009	O	|	|	|	|	0.01
293.500	0.00	0.00	0.009	O	|	|	|	|	0.01
293.583	0.00	0.00	0.009	O	|	|	|	|	0.01
293.667	0.00	0.00	0.009	O	|	|	|	|	0.01
293.750	0.00	0.00	0.009	O	|	|	|	|	0.01
293.833	0.00	0.00	0.009	O	|	|	|	|	0.01
293.917	0.00	0.00	0.009	O	|	|	|	|	0.01
294.000	0.00	0.00	0.009	O	|	|	|	|	0.01
294.083	0.00	0.00	0.009	O	|	|	|	|	0.01
294.167	0.00	0.00	0.009	O	|	|	|	|	0.01
294.250	0.00	0.00	0.009	O	|	|	|	|	0.01
294.333	0.00	0.00	0.009	O	|	|	|	|	0.01
294.417	0.00	0.00	0.009	O	|	|	|	|	0.01
294.500	0.00	0.00	0.009	O	|	|	|	|	0.01
294.583	0.00	0.00	0.009	O	|	|	|	|	0.01
294.667	0.00	0.00	0.009	O	|	|	|	|	0.01
294.750	0.00	0.00	0.009	O	|	|	|	|	0.01
294.833	0.00	0.00	0.009	O	|	|	|	|	0.01
294.917	0.00	0.00	0.009	O	|	|	|	|	0.01
295.000	0.00	0.00	0.009	O	|	|	|	|	0.01
295.083	0.00	0.00	0.009	O	|	|	|	|	0.01
295.167	0.00	0.00	0.009	O	|	|	|	|	0.01
295.250	0.00	0.00	0.009	O	|	|	|	|	0.01
295.333	0.00	0.00	0.009	O	|	|	|	|	0.01
295.417	0.00	0.00	0.009	O	|	|	|	|	0.01
295.500	0.00	0.00	0.009	O	|	|	|	|	0.01
295.583	0.00	0.00	0.009	O	|	|	|	|	0.01
295.667	0.00	0.00	0.009	O	|	|	|	|	0.01
295.750	0.00	0.00	0.009	O	|	|	|	|	0.01
295.833	0.00	0.00	0.009	O	|	|	|	|	0.01
295.917	0.00	0.00	0.009	O	|	|	|	|	0.01
296.000	0.00	0.00	0.009	O	|	|	|	|	0.01

296.083	0.00	0.00	0.009	O	|	|	|	|	0.01
296.167	0.00	0.00	0.009	O	|	|	|	|	0.01
296.250	0.00	0.00	0.009	O	|	|	|	|	0.01
296.333	0.00	0.00	0.009	O	|	|	|	|	0.01
296.417	0.00	0.00	0.009	O	|	|	|	|	0.01
296.500	0.00	0.00	0.009	O	|	|	|	|	0.01
296.583	0.00	0.00	0.008	O	|	|	|	|	0.01
296.667	0.00	0.00	0.008	O	|	|	|	|	0.01
296.750	0.00	0.00	0.008	O	|	|	|	|	0.01
296.833	0.00	0.00	0.008	O	|	|	|	|	0.01
296.917	0.00	0.00	0.008	O	|	|	|	|	0.01
297.000	0.00	0.00	0.008	O	|	|	|	|	0.01
297.083	0.00	0.00	0.008	O	|	|	|	|	0.01
297.167	0.00	0.00	0.008	O	|	|	|	|	0.01
297.250	0.00	0.00	0.008	O	|	|	|	|	0.01
297.333	0.00	0.00	0.008	O	|	|	|	|	0.01
297.417	0.00	0.00	0.008	O	|	|	|	|	0.01
297.500	0.00	0.00	0.008	O	|	|	|	|	0.01
297.583	0.00	0.00	0.008	O	|	|	|	|	0.01
297.667	0.00	0.00	0.008	O	|	|	|	|	0.01
297.750	0.00	0.00	0.008	O	|	|	|	|	0.01
297.833	0.00	0.00	0.008	O	|	|	|	|	0.01
297.917	0.00	0.00	0.008	O	|	|	|	|	0.01
298.000	0.00	0.00	0.008	O	|	|	|	|	0.01
298.083	0.00	0.00	0.008	O	|	|	|	|	0.01
298.167	0.00	0.00	0.008	O	|	|	|	|	0.01
298.250	0.00	0.00	0.008	O	|	|	|	|	0.01
298.333	0.00	0.00	0.008	O	|	|	|	|	0.01
298.417	0.00	0.00	0.008	O	|	|	|	|	0.01
298.500	0.00	0.00	0.008	O	|	|	|	|	0.01
298.583	0.00	0.00	0.008	O	|	|	|	|	0.01
298.667	0.00	0.00	0.008	O	|	|	|	|	0.01
298.750	0.00	0.00	0.008	O	|	|	|	|	0.01
298.833	0.00	0.00	0.008	O	|	|	|	|	0.01
298.917	0.00	0.00	0.008	O	|	|	|	|	0.01
299.000	0.00	0.00	0.008	O	|	|	|	|	0.01
299.083	0.00	0.00	0.008	O	|	|	|	|	0.01
299.167	0.00	0.00	0.008	O	|	|	|	|	0.01
299.250	0.00	0.00	0.008	O	|	|	|	|	0.01
299.333	0.00	0.00	0.008	O	|	|	|	|	0.01
299.417	0.00	0.00	0.008	O	|	|	|	|	0.01
299.500	0.00	0.00	0.008	O	|	|	|	|	0.01
299.583	0.00	0.00	0.008	O	|	|	|	|	0.01
299.667	0.00	0.00	0.008	O	|	|	|	|	0.01
299.750	0.00	0.00	0.008	O	|	|	|	|	0.01
299.833	0.00	0.00	0.008	O	|	|	|	|	0.01
299.917	0.00	0.00	0.008	O	|	|	|	|	0.01
300.000	0.00	0.00	0.008	O	|	|	|	|	0.01
300.083	0.00	0.00	0.008	O	|	|	|	|	0.01
300.167	0.00	0.00	0.008	O	|	|	|	|	0.01
300.250	0.00	0.00	0.008	O	|	|	|	|	0.01
300.333	0.00	0.00	0.008	O	|	|	|	|	0.01
300.417	0.00	0.00	0.008	O	|	|	|	|	0.01
300.500	0.00	0.00	0.008	O	|	|	|	|	0.01
300.583	0.00	0.00	0.008	O	|	|	|	|	0.01
300.667	0.00	0.00	0.008	O	|	|	|	|	0.01
300.750	0.00	0.00	0.008	O	|	|	|	|	0.01
300.833	0.00	0.00	0.008	O	|	|	|	|	0.01
300.917	0.00	0.00	0.008	O	|	|	|	|	0.01
301.000	0.00	0.00	0.008	O	|	|	|	|	0.01
301.083	0.00	0.00	0.008	O	|	|	|	|	0.01
301.167	0.00	0.00	0.008	O	|	|	|	|	0.01
301.250	0.00	0.00	0.007	O	|	|	|	|	0.01
301.333	0.00	0.00	0.007	O	|	|	|	|	0.01
301.417	0.00	0.00	0.007	O	|	|	|	|	0.01
301.500	0.00	0.00	0.007	O	|	|	|	|	0.01
301.583	0.00	0.00	0.007	O	|	|	|	|	0.01

301.667	0.00	0.00	0.007	O	|	|	|	|	0.01
301.750	0.00	0.00	0.007	O	|	|	|	|	0.01
301.833	0.00	0.00	0.007	O	|	|	|	|	0.01
301.917	0.00	0.00	0.007	O	|	|	|	|	0.01
302.000	0.00	0.00	0.007	O	|	|	|	|	0.01
302.083	0.00	0.00	0.007	O	|	|	|	|	0.01
302.167	0.00	0.00	0.007	O	|	|	|	|	0.01
302.250	0.00	0.00	0.007	O	|	|	|	|	0.01
302.333	0.00	0.00	0.007	O	|	|	|	|	0.01
302.417	0.00	0.00	0.007	O	|	|	|	|	0.01
302.500	0.00	0.00	0.007	O	|	|	|	|	0.00
302.583	0.00	0.00	0.007	O	|	|	|	|	0.00
302.667	0.00	0.00	0.007	O	|	|	|	|	0.00
302.750	0.00	0.00	0.007	O	|	|	|	|	0.00
302.833	0.00	0.00	0.007	O	|	|	|	|	0.00
302.917	0.00	0.00	0.007	O	|	|	|	|	0.00
303.000	0.00	0.00	0.007	O	|	|	|	|	0.00
303.083	0.00	0.00	0.007	O	|	|	|	|	0.00
303.167	0.00	0.00	0.007	O	|	|	|	|	0.00
303.250	0.00	0.00	0.007	O	|	|	|	|	0.00
303.333	0.00	0.00	0.007	O	|	|	|	|	0.00
303.417	0.00	0.00	0.007	O	|	|	|	|	0.00
303.500	0.00	0.00	0.007	O	|	|	|	|	0.00
303.583	0.00	0.00	0.007	O	|	|	|	|	0.00
303.667	0.00	0.00	0.007	O	|	|	|	|	0.00
303.750	0.00	0.00	0.007	O	|	|	|	|	0.00
303.833	0.00	0.00	0.007	O	|	|	|	|	0.00
303.917	0.00	0.00	0.007	O	|	|	|	|	0.00
304.000	0.00	0.00	0.007	O	|	|	|	|	0.00
304.083	0.00	0.00	0.007	O	|	|	|	|	0.00
304.167	0.00	0.00	0.007	O	|	|	|	|	0.00
304.250	0.00	0.00	0.007	O	|	|	|	|	0.00
304.333	0.00	0.00	0.007	O	|	|	|	|	0.00
304.417	0.00	0.00	0.007	O	|	|	|	|	0.00
304.500	0.00	0.00	0.007	O	|	|	|	|	0.00
304.583	0.00	0.00	0.007	O	|	|	|	|	0.00
304.667	0.00	0.00	0.007	O	|	|	|	|	0.00
304.750	0.00	0.00	0.007	O	|	|	|	|	0.00
304.833	0.00	0.00	0.007	O	|	|	|	|	0.00
304.917	0.00	0.00	0.007	O	|	|	|	|	0.00
305.000	0.00	0.00	0.007	O	|	|	|	|	0.00
305.083	0.00	0.00	0.007	O	|	|	|	|	0.00
305.167	0.00	0.00	0.007	O	|	|	|	|	0.00
305.250	0.00	0.00	0.007	O	|	|	|	|	0.00
305.333	0.00	0.00	0.007	O	|	|	|	|	0.00
305.417	0.00	0.00	0.007	O	|	|	|	|	0.00
305.500	0.00	0.00	0.007	O	|	|	|	|	0.00
305.583	0.00	0.00	0.007	O	|	|	|	|	0.00
305.667	0.00	0.00	0.007	O	|	|	|	|	0.00
305.750	0.00	0.00	0.007	O	|	|	|	|	0.00
305.833	0.00	0.00	0.007	O	|	|	|	|	0.00
305.917	0.00	0.00	0.007	O	|	|	|	|	0.00
306.000	0.00	0.00	0.007	O	|	|	|	|	0.00
306.083	0.00	0.00	0.007	O	|	|	|	|	0.00
306.167	0.00	0.00	0.007	O	|	|	|	|	0.00
306.250	0.00	0.00	0.007	O	|	|	|	|	0.00
306.333	0.00	0.00	0.007	O	|	|	|	|	0.00
306.417	0.00	0.00	0.007	O	|	|	|	|	0.00
306.500	0.00	0.00	0.007	O	|	|	|	|	0.00
306.583	0.00	0.00	0.006	O	|	|	|	|	0.00
306.667	0.00	0.00	0.006	O	|	|	|	|	0.00
306.750	0.00	0.00	0.006	O	|	|	|	|	0.00
306.833	0.00	0.00	0.006	O	|	|	|	|	0.00
306.917	0.00	0.00	0.006	O	|	|	|	|	0.00
307.000	0.00	0.00	0.006	O	|	|	|	|	0.00
307.083	0.00	0.00	0.006	O	|	|	|	|	0.00
307.167	0.00	0.00	0.006	O	|	|	|	|	0.00

307.250	0.00	0.00	0.006	O	|	|	|	|	0.00
307.333	0.00	0.00	0.006	O	|	|	|	|	0.00
307.417	0.00	0.00	0.006	O	|	|	|	|	0.00
307.500	0.00	0.00	0.006	O	|	|	|	|	0.00
307.583	0.00	0.00	0.006	O	|	|	|	|	0.00
307.667	0.00	0.00	0.006	O	|	|	|	|	0.00
307.750	0.00	0.00	0.006	O	|	|	|	|	0.00
307.833	0.00	0.00	0.006	O	|	|	|	|	0.00
307.917	0.00	0.00	0.006	O	|	|	|	|	0.00
308.000	0.00	0.00	0.006	O	|	|	|	|	0.00
308.083	0.00	0.00	0.006	O	|	|	|	|	0.00
308.167	0.00	0.00	0.006	O	|	|	|	|	0.00
308.250	0.00	0.00	0.006	O	|	|	|	|	0.00
308.333	0.00	0.00	0.006	O	|	|	|	|	0.00
308.417	0.00	0.00	0.006	O	|	|	|	|	0.00
308.500	0.00	0.00	0.006	O	|	|	|	|	0.00
308.583	0.00	0.00	0.006	O	|	|	|	|	0.00
308.667	0.00	0.00	0.006	O	|	|	|	|	0.00
308.750	0.00	0.00	0.006	O	|	|	|	|	0.00
308.833	0.00	0.00	0.006	O	|	|	|	|	0.00
308.917	0.00	0.00	0.006	O	|	|	|	|	0.00
309.000	0.00	0.00	0.006	O	|	|	|	|	0.00
309.083	0.00	0.00	0.006	O	|	|	|	|	0.00
309.167	0.00	0.00	0.006	O	|	|	|	|	0.00
309.250	0.00	0.00	0.006	O	|	|	|	|	0.00
309.333	0.00	0.00	0.006	O	|	|	|	|	0.00
309.417	0.00	0.00	0.006	O	|	|	|	|	0.00
309.500	0.00	0.00	0.006	O	|	|	|	|	0.00
309.583	0.00	0.00	0.006	O	|	|	|	|	0.00
309.667	0.00	0.00	0.006	O	|	|	|	|	0.00
309.750	0.00	0.00	0.006	O	|	|	|	|	0.00
309.833	0.00	0.00	0.006	O	|	|	|	|	0.00
309.917	0.00	0.00	0.006	O	|	|	|	|	0.00
310.000	0.00	0.00	0.006	O	|	|	|	|	0.00
310.083	0.00	0.00	0.006	O	|	|	|	|	0.00
310.167	0.00	0.00	0.006	O	|	|	|	|	0.00
310.250	0.00	0.00	0.006	O	|	|	|	|	0.00
310.333	0.00	0.00	0.006	O	|	|	|	|	0.00
310.417	0.00	0.00	0.006	O	|	|	|	|	0.00
310.500	0.00	0.00	0.006	O	|	|	|	|	0.00
310.583	0.00	0.00	0.006	O	|	|	|	|	0.00
310.667	0.00	0.00	0.006	O	|	|	|	|	0.00
310.750	0.00	0.00	0.006	O	|	|	|	|	0.00
310.833	0.00	0.00	0.006	O	|	|	|	|	0.00
310.917	0.00	0.00	0.006	O	|	|	|	|	0.00
311.000	0.00	0.00	0.006	O	|	|	|	|	0.00
311.083	0.00	0.00	0.006	O	|	|	|	|	0.00
311.167	0.00	0.00	0.006	O	|	|	|	|	0.00
311.250	0.00	0.00	0.006	O	|	|	|	|	0.00
311.333	0.00	0.00	0.006	O	|	|	|	|	0.00
311.417	0.00	0.00	0.006	O	|	|	|	|	0.00
311.500	0.00	0.00	0.006	O	|	|	|	|	0.00
311.583	0.00	0.00	0.006	O	|	|	|	|	0.00
311.667	0.00	0.00	0.006	O	|	|	|	|	0.00
311.750	0.00	0.00	0.006	O	|	|	|	|	0.00
311.833	0.00	0.00	0.006	O	|	|	|	|	0.00
311.917	0.00	0.00	0.006	O	|	|	|	|	0.00
312.000	0.00	0.00	0.006	O	|	|	|	|	0.00
312.083	0.00	0.00	0.006	O	|	|	|	|	0.00
312.167	0.00	0.00	0.006	O	|	|	|	|	0.00
312.250	0.00	0.00	0.006	O	|	|	|	|	0.00
312.333	0.00	0.00	0.006	O	|	|	|	|	0.00
312.417	0.00	0.00	0.006	O	|	|	|	|	0.00
312.500	0.00	0.00	0.006	O	|	|	|	|	0.00
312.583	0.00	0.00	0.006	O	|	|	|	|	0.00
312.667	0.00	0.00	0.006	O	|	|	|	|	0.00
312.750	0.00	0.00	0.006	O	|	|	|	|	0.00

312.833	0.00	0.00	0.005	O					0.00
312.917	0.00	0.00	0.005	O					0.00
313.000	0.00	0.00	0.005	O					0.00
313.083	0.00	0.00	0.005	O					0.00
313.167	0.00	0.00	0.005	O					0.00
313.250	0.00	0.00	0.005	O					0.00
313.333	0.00	0.00	0.005	O					0.00
313.417	0.00	0.00	0.005	O					0.00
313.500	0.00	0.00	0.005	O					0.00
313.583	0.00	0.00	0.005	O					0.00
313.667	0.00	0.00	0.005	O					0.00
313.750	0.00	0.00	0.005	O					0.00
313.833	0.00	0.00	0.005	O					0.00
313.917	0.00	0.00	0.005	O					0.00
314.000	0.00	0.00	0.005	O					0.00
314.083	0.00	0.00	0.005	O					0.00
314.167	0.00	0.00	0.005	O					0.00
314.250	0.00	0.00	0.005	O					0.00
314.333	0.00	0.00	0.005	O					0.00
314.417	0.00	0.00	0.005	O					0.00
314.500	0.00	0.00	0.005	O					0.00
314.583	0.00	0.00	0.005	O					0.00
314.667	0.00	0.00	0.005	O					0.00
314.750	0.00	0.00	0.005	O					0.00
314.833	0.00	0.00	0.005	O					0.00
314.917	0.00	0.00	0.005	O					0.00
315.000	0.00	0.00	0.005	O					0.00
315.083	0.00	0.00	0.005	O					0.00
315.167	0.00	0.00	0.005	O					0.00
315.250	0.00	0.00	0.005	O					0.00
315.333	0.00	0.00	0.005	O					0.00
315.417	0.00	0.00	0.005	O					0.00
315.500	0.00	0.00	0.005	O					0.00
315.583	0.00	0.00	0.005	O					0.00
315.667	0.00	0.00	0.005	O					0.00
315.750	0.00	0.00	0.005	O					0.00
315.833	0.00	0.00	0.005	O					0.00
315.917	0.00	0.00	0.005	O					0.00
316.000	0.00	0.00	0.005	O					0.00
316.083	0.00	0.00	0.005	O					0.00
316.167	0.00	0.00	0.005	O					0.00
316.250	0.00	0.00	0.005	O					0.00
316.333	0.00	0.00	0.005	O					0.00
316.417	0.00	0.00	0.005	O					0.00
316.500	0.00	0.00	0.005	O					0.00
316.583	0.00	0.00	0.005	O					0.00
316.667	0.00	0.00	0.005	O					0.00
316.750	0.00	0.00	0.005	O					0.00
316.833	0.00	0.00	0.005	O					0.00
316.917	0.00	0.00	0.005	O					0.00
317.000	0.00	0.00	0.005	O					0.00
317.083	0.00	0.00	0.005	O					0.00
317.167	0.00	0.00	0.005	O					0.00
317.250	0.00	0.00	0.005	O					0.00
317.333	0.00	0.00	0.005	O					0.00
317.417	0.00	0.00	0.005	O					0.00
317.500	0.00	0.00	0.005	O					0.00
317.583	0.00	0.00	0.005	O					0.00
317.667	0.00	0.00	0.005	O					0.00
317.750	0.00	0.00	0.005	O					0.00
317.833	0.00	0.00	0.005	O					0.00
317.917	0.00	0.00	0.005	O					0.00
318.000	0.00	0.00	0.005	O					0.00
318.083	0.00	0.00	0.005	O					0.00
318.167	0.00	0.00	0.005	O					0.00
318.250	0.00	0.00	0.005	O					0.00
318.333	0.00	0.00	0.005	O					0.00

318.417	0.00	0.00	0.005	O	|	|	|	0.00
318.500	0.00	0.00	0.005	O	|	|	|	0.00
318.583	0.00	0.00	0.005	O	|	|	|	0.00
318.667	0.00	0.00	0.005	O	|	|	|	0.00
318.750	0.00	0.00	0.005	O	|	|	|	0.00
318.833	0.00	0.00	0.005	O	|	|	|	0.00
318.917	0.00	0.00	0.005	O	|	|	|	0.00
319.000	0.00	0.00	0.005	O	|	|	|	0.00
319.083	0.00	0.00	0.005	O	|	|	|	0.00
319.167	0.00	0.00	0.005	O	|	|	|	0.00
319.250	0.00	0.00	0.005	O	|	|	|	0.00
319.333	0.00	0.00	0.005	O	|	|	|	0.00
319.417	0.00	0.00	0.005	O	|	|	|	0.00
319.500	0.00	0.00	0.005	O	|	|	|	0.00
319.583	0.00	0.00	0.005	O	|	|	|	0.00
319.667	0.00	0.00	0.005	O	|	|	|	0.00
319.750	0.00	0.00	0.005	O	|	|	|	0.00
319.833	0.00	0.00	0.005	O	|	|	|	0.00
319.917	0.00	0.00	0.005	O	|	|	|	0.00
320.000	0.00	0.00	0.005	O	|	|	|	0.00
320.083	0.00	0.00	0.005	O	|	|	|	0.00
320.167	0.00	0.00	0.005	O	|	|	|	0.00
320.250	0.00	0.00	0.005	O	|	|	|	0.00
320.333	0.00	0.00	0.004	O	|	|	|	0.00
320.417	0.00	0.00	0.004	O	|	|	|	0.00
320.500	0.00	0.00	0.004	O	|	|	|	0.00
320.583	0.00	0.00	0.004	O	|	|	|	0.00
320.667	0.00	0.00	0.004	O	|	|	|	0.00
320.750	0.00	0.00	0.004	O	|	|	|	0.00
320.833	0.00	0.00	0.004	O	|	|	|	0.00
320.917	0.00	0.00	0.004	O	|	|	|	0.00
321.000	0.00	0.00	0.004	O	|	|	|	0.00
321.083	0.00	0.00	0.004	O	|	|	|	0.00
321.167	0.00	0.00	0.004	O	|	|	|	0.00
321.250	0.00	0.00	0.004	O	|	|	|	0.00
321.333	0.00	0.00	0.004	O	|	|	|	0.00
321.417	0.00	0.00	0.004	O	|	|	|	0.00
321.500	0.00	0.00	0.004	O	|	|	|	0.00
321.583	0.00	0.00	0.004	O	|	|	|	0.00
321.667	0.00	0.00	0.004	O	|	|	|	0.00
321.750	0.00	0.00	0.004	O	|	|	|	0.00
321.833	0.00	0.00	0.004	O	|	|	|	0.00
321.917	0.00	0.00	0.004	O	|	|	|	0.00
322.000	0.00	0.00	0.004	O	|	|	|	0.00
322.083	0.00	0.00	0.004	O	|	|	|	0.00
322.167	0.00	0.00	0.004	O	|	|	|	0.00
322.250	0.00	0.00	0.004	O	|	|	|	0.00
322.333	0.00	0.00	0.004	O	|	|	|	0.00
322.417	0.00	0.00	0.004	O	|	|	|	0.00
322.500	0.00	0.00	0.004	O	|	|	|	0.00
322.583	0.00	0.00	0.004	O	|	|	|	0.00
322.667	0.00	0.00	0.004	O	|	|	|	0.00
322.750	0.00	0.00	0.004	O	|	|	|	0.00
322.833	0.00	0.00	0.004	O	|	|	|	0.00
322.917	0.00	0.00	0.004	O	|	|	|	0.00
323.000	0.00	0.00	0.004	O	|	|	|	0.00
323.083	0.00	0.00	0.004	O	|	|	|	0.00
323.167	0.00	0.00	0.004	O	|	|	|	0.00
323.250	0.00	0.00	0.004	O	|	|	|	0.00
323.333	0.00	0.00	0.004	O	|	|	|	0.00
323.417	0.00	0.00	0.004	O	|	|	|	0.00
323.500	0.00	0.00	0.004	O	|	|	|	0.00
323.583	0.00	0.00	0.004	O	|	|	|	0.00
323.667	0.00	0.00	0.004	O	|	|	|	0.00
323.750	0.00	0.00	0.004	O	|	|	|	0.00
323.833	0.00	0.00	0.004	O	|	|	|	0.00
323.917	0.00	0.00	0.004	O	|	|	|	0.00

324.000	0.00	0.00	0.004	O	|	|	|	0.00
324.083	0.00	0.00	0.004	O	|	|	|	0.00
324.167	0.00	0.00	0.004	O	|	|	|	0.00
324.250	0.00	0.00	0.004	O	|	|	|	0.00
324.333	0.00	0.00	0.004	O	|	|	|	0.00
324.417	0.00	0.00	0.004	O	|	|	|	0.00
324.500	0.00	0.00	0.004	O	|	|	|	0.00
324.583	0.00	0.00	0.004	O	|	|	|	0.00
324.667	0.00	0.00	0.004	O	|	|	|	0.00
324.750	0.00	0.00	0.004	O	|	|	|	0.00
324.833	0.00	0.00	0.004	O	|	|	|	0.00
324.917	0.00	0.00	0.004	O	|	|	|	0.00
325.000	0.00	0.00	0.004	O	|	|	|	0.00
325.083	0.00	0.00	0.004	O	|	|	|	0.00
325.167	0.00	0.00	0.004	O	|	|	|	0.00
325.250	0.00	0.00	0.004	O	|	|	|	0.00
325.333	0.00	0.00	0.004	O	|	|	|	0.00
325.417	0.00	0.00	0.004	O	|	|	|	0.00
325.500	0.00	0.00	0.004	O	|	|	|	0.00
325.583	0.00	0.00	0.004	O	|	|	|	0.00
325.667	0.00	0.00	0.004	O	|	|	|	0.00
325.750	0.00	0.00	0.004	O	|	|	|	0.00
325.833	0.00	0.00	0.004	O	|	|	|	0.00
325.917	0.00	0.00	0.004	O	|	|	|	0.00
326.000	0.00	0.00	0.004	O	|	|	|	0.00
326.083	0.00	0.00	0.004	O	|	|	|	0.00
326.167	0.00	0.00	0.004	O	|	|	|	0.00
326.250	0.00	0.00	0.004	O	|	|	|	0.00
326.333	0.00	0.00	0.004	O	|	|	|	0.00
326.417	0.00	0.00	0.004	O	|	|	|	0.00
326.500	0.00	0.00	0.004	O	|	|	|	0.00
326.583	0.00	0.00	0.004	O	|	|	|	0.00
326.667	0.00	0.00	0.004	O	|	|	|	0.00
326.750	0.00	0.00	0.004	O	|	|	|	0.00
326.833	0.00	0.00	0.004	O	|	|	|	0.00
326.917	0.00	0.00	0.004	O	|	|	|	0.00
327.000	0.00	0.00	0.004	O	|	|	|	0.00
327.083	0.00	0.00	0.004	O	|	|	|	0.00
327.167	0.00	0.00	0.004	O	|	|	|	0.00
327.250	0.00	0.00	0.004	O	|	|	|	0.00
327.333	0.00	0.00	0.004	O	|	|	|	0.00
327.417	0.00	0.00	0.004	O	|	|	|	0.00
327.500	0.00	0.00	0.004	O	|	|	|	0.00
327.583	0.00	0.00	0.004	O	|	|	|	0.00
327.667	0.00	0.00	0.004	O	|	|	|	0.00
327.750	0.00	0.00	0.004	O	|	|	|	0.00
327.833	0.00	0.00	0.004	O	|	|	|	0.00
327.917	0.00	0.00	0.004	O	|	|	|	0.00
328.000	0.00	0.00	0.004	O	|	|	|	0.00
328.083	0.00	0.00	0.004	O	|	|	|	0.00
328.167	0.00	0.00	0.004	O	|	|	|	0.00
328.250	0.00	0.00	0.004	O	|	|	|	0.00
328.333	0.00	0.00	0.004	O	|	|	|	0.00
328.417	0.00	0.00	0.004	O	|	|	|	0.00
328.500	0.00	0.00	0.004	O	|	|	|	0.00
328.583	0.00	0.00	0.004	O	|	|	|	0.00
328.667	0.00	0.00	0.004	O	|	|	|	0.00
328.750	0.00	0.00	0.004	O	|	|	|	0.00
328.833	0.00	0.00	0.004	O	|	|	|	0.00
328.917	0.00	0.00	0.004	O	|	|	|	0.00
329.000	0.00	0.00	0.004	O	|	|	|	0.00
329.083	0.00	0.00	0.004	O	|	|	|	0.00
329.167	0.00	0.00	0.004	O	|	|	|	0.00
329.250	0.00	0.00	0.004	O	|	|	|	0.00
329.333	0.00	0.00	0.004	O	|	|	|	0.00
329.417	0.00	0.00	0.004	O	|	|	|	0.00
329.500	0.00	0.00	0.004	O	|	|	|	0.00

329.583	0.00	0.00	0.004	O	|	|	|	|	0.00
329.667	0.00	0.00	0.003	O	|	|	|	|	0.00
329.750	0.00	0.00	0.003	O	|	|	|	|	0.00
329.833	0.00	0.00	0.003	O	|	|	|	|	0.00
329.917	0.00	0.00	0.003	O	|	|	|	|	0.00
330.000	0.00	0.00	0.003	O	|	|	|	|	0.00
330.083	0.00	0.00	0.003	O	|	|	|	|	0.00
330.167	0.00	0.00	0.003	O	|	|	|	|	0.00
330.250	0.00	0.00	0.003	O	|	|	|	|	0.00
330.333	0.00	0.00	0.003	O	|	|	|	|	0.00
330.417	0.00	0.00	0.003	O	|	|	|	|	0.00
330.500	0.00	0.00	0.003	O	|	|	|	|	0.00
330.583	0.00	0.00	0.003	O	|	|	|	|	0.00
330.667	0.00	0.00	0.003	O	|	|	|	|	0.00
330.750	0.00	0.00	0.003	O	|	|	|	|	0.00
330.833	0.00	0.00	0.003	O	|	|	|	|	0.00
330.917	0.00	0.00	0.003	O	|	|	|	|	0.00
331.000	0.00	0.00	0.003	O	|	|	|	|	0.00
331.083	0.00	0.00	0.003	O	|	|	|	|	0.00
331.167	0.00	0.00	0.003	O	|	|	|	|	0.00
331.250	0.00	0.00	0.003	O	|	|	|	|	0.00
331.333	0.00	0.00	0.003	O	|	|	|	|	0.00
331.417	0.00	0.00	0.003	O	|	|	|	|	0.00
331.500	0.00	0.00	0.003	O	|	|	|	|	0.00
331.583	0.00	0.00	0.003	O	|	|	|	|	0.00
331.667	0.00	0.00	0.003	O	|	|	|	|	0.00
331.750	0.00	0.00	0.003	O	|	|	|	|	0.00
331.833	0.00	0.00	0.003	O	|	|	|	|	0.00
331.917	0.00	0.00	0.003	O	|	|	|	|	0.00
332.000	0.00	0.00	0.003	O	|	|	|	|	0.00
332.083	0.00	0.00	0.003	O	|	|	|	|	0.00
332.167	0.00	0.00	0.003	O	|	|	|	|	0.00
332.250	0.00	0.00	0.003	O	|	|	|	|	0.00
332.333	0.00	0.00	0.003	O	|	|	|	|	0.00
332.417	0.00	0.00	0.003	O	|	|	|	|	0.00
332.500	0.00	0.00	0.003	O	|	|	|	|	0.00
332.583	0.00	0.00	0.003	O	|	|	|	|	0.00
332.667	0.00	0.00	0.003	O	|	|	|	|	0.00
332.750	0.00	0.00	0.003	O	|	|	|	|	0.00
332.833	0.00	0.00	0.003	O	|	|	|	|	0.00
332.917	0.00	0.00	0.003	O	|	|	|	|	0.00
333.000	0.00	0.00	0.003	O	|	|	|	|	0.00
333.083	0.00	0.00	0.003	O	|	|	|	|	0.00
333.167	0.00	0.00	0.003	O	|	|	|	|	0.00
333.250	0.00	0.00	0.003	O	|	|	|	|	0.00
333.333	0.00	0.00	0.003	O	|	|	|	|	0.00
333.417	0.00	0.00	0.003	O	|	|	|	|	0.00
333.500	0.00	0.00	0.003	O	|	|	|	|	0.00
333.583	0.00	0.00	0.003	O	|	|	|	|	0.00
333.667	0.00	0.00	0.003	O	|	|	|	|	0.00
333.750	0.00	0.00	0.003	O	|	|	|	|	0.00
333.833	0.00	0.00	0.003	O	|	|	|	|	0.00
333.917	0.00	0.00	0.003	O	|	|	|	|	0.00
334.000	0.00	0.00	0.003	O	|	|	|	|	0.00
334.083	0.00	0.00	0.003	O	|	|	|	|	0.00
334.167	0.00	0.00	0.003	O	|	|	|	|	0.00
334.250	0.00	0.00	0.003	O	|	|	|	|	0.00
334.333	0.00	0.00	0.003	O	|	|	|	|	0.00
334.417	0.00	0.00	0.003	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 4013

Time interval = 5.0 (Min.)

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            Maximum/Peak flow rate =        2.999 (CFS)
            Total volume =      14.004 (Ac.Ft)
      Status of hydrographs being held in storage
                 Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
      Peak (CFS)      0.000     0.000     0.000     0.000     0.000
      Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
*******************************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRH110.rte

**********HYDROGRAPH DATA**********

Number of intervals = 19
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 156.222 (CFS)
Total volume = 4.936 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN H- ROUTING
10YR-1HR

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Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 19
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.450	0.470	1.448	1.452
2.000	3.000	0.710	2.998	3.002
3.000	4.660	1.690	4.654	4.666
4.000	6.440	2.170	6.433	6.447
5.000	8.330	2.560	8.321	8.339
6.000	10.330	2.890	10.320	10.340
7.000	12.460	3.190	12.449	12.471
8.000	14.710	3.460	14.698	14.722
9.000	17.150	83.630	16.862	17.438

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 39.1 78.11 117.17 156.22	Depth (Ft.)
0.083	4.18	0.00	0.014	O | | | |	0.01

0.167	15.66	0.03	0.083	O I	|	|	|	|	0.06
0.250	22.03	0.07	0.212	O I	|	|	|	|	0.15
0.333	25.55	0.12	0.375	O I	|	|	|	|	0.26
0.417	28.76	0.18	0.561	O I	|	|	|	|	0.39
0.500	32.54	0.25	0.771	O I	|	|	|	|	0.53
0.583	37.58	0.33	1.010	O I	|	|	|	|	0.70
0.667	44.61	0.42	1.291	O I	|	|	|	|	0.89
0.750	62.69	0.50	1.657	O I	|	|	|	|	1.13
0.833	116.11	0.60	2.269	O I	|	|	|	|	1.53
0.917	156.22	0.83	3.202	O I	|	|	|	|	2.12
1.000	78.93	1.30	4.004	O I	|	|	|	|	2.60
1.083	43.90	1.55	4.417	O I	|	|	|	|	2.85
1.167	21.31	1.67	4.631	O I	|	|	|	|	2.98
1.250	12.53	1.71	4.736	O I	|	|	|	|	3.04
1.333	7.64	1.73	4.793	OI	|	|	|	|	3.07
1.417	5.05	1.73	4.825	OI	|	|	|	|	3.09
1.500	1.08	**1.74**	**4.834**	**O**	**|**	**|**	**|**	**|**	**3.10**
1.583	0.36	1.74	4.827	O	|	|	|	|	3.09
1.667	0.00	1.73	4.816	O	|	|	|	|	3.09
1.750	0.00	1.73	4.805	O	|	|	|	|	3.08
1.833	0.00	1.73	4.793	O	|	|	|	|	3.07
1.917	0.00	1.72	4.781	O	|	|	|	|	3.07
2.000	0.00	1.72	4.769	O	|	|	|	|	3.06
2.083	0.00	1.72	4.757	O	|	|	|	|	3.05
2.167	0.00	1.71	4.745	O	|	|	|	|	3.05
2.250	0.00	1.71	4.733	O	|	|	|	|	3.04
2.333	0.00	1.71	4.722	O	|	|	|	|	3.03
2.417	0.00	1.70	4.710	O	|	|	|	|	3.03
2.500	0.00	1.70	4.698	O	|	|	|	|	3.02
2.583	0.00	1.70	4.687	O	|	|	|	|	3.01
2.667	0.00	1.69	4.675	O	|	|	|	|	3.01
2.750	0.00	1.69	4.663	O	|	|	|	|	3.00
2.833	0.00	1.69	4.652	O	|	|	|	|	2.99
2.917	0.00	1.68	4.640	O	|	|	|	|	2.99
3.000	0.00	1.67	4.628	O	|	|	|	|	2.98
3.083	0.00	1.66	4.617	O	|	|	|	|	2.97
3.167	0.00	1.66	4.606	O	|	|	|	|	2.97
3.250	0.00	1.65	4.594	O	|	|	|	|	2.96
3.333	0.00	1.64	4.583	O	|	|	|	|	2.95
3.417	0.00	1.64	4.572	O	|	|	|	|	2.95
3.500	0.00	1.63	4.560	O	|	|	|	|	2.94
3.583	0.00	1.62	4.549	O	|	|	|	|	2.93
3.667	0.00	1.62	4.538	O	|	|	|	|	2.93
3.750	0.00	1.61	4.527	O	|	|	|	|	2.92
3.833	0.00	1.60	4.516	O	|	|	|	|	2.91
3.917	0.00	1.60	4.505	O	|	|	|	|	2.91
4.000	0.00	1.59	4.494	O	|	|	|	|	2.90
4.083	0.00	1.59	4.483	O	|	|	|	|	2.89
4.167	0.00	1.58	4.472	O	|	|	|	|	2.89
4.250	0.00	1.57	4.461	O	|	|	|	|	2.88
4.333	0.00	1.57	4.450	O	|	|	|	|	2.87
4.417	0.00	1.56	4.439	O	|	|	|	|	2.87
4.500	0.00	1.55	4.429	O	|	|	|	|	2.86
4.583	0.00	1.55	4.418	O	|	|	|	|	2.85
4.667	0.00	1.54	4.407	O	|	|	|	|	2.85
4.750	0.00	1.53	4.397	O	|	|	|	|	2.84
4.833	0.00	1.53	4.386	O	|	|	|	|	2.84
4.917	0.00	1.52	4.376	O	|	|	|	|	2.83
5.000	0.00	1.52	4.365	O	|	|	|	|	2.82
5.083	0.00	1.51	4.355	O	|	|	|	|	2.82
5.167	0.00	1.50	4.344	O	|	|	|	|	2.81
5.250	0.00	1.50	4.334	O	|	|	|	|	2.80
5.333	0.00	1.49	4.324	O	|	|	|	|	2.80
5.417	0.00	1.49	4.314	O	|	|	|	|	2.79
5.500	0.00	1.48	4.303	O	|	|	|	|	2.79
5.583	0.00	1.47	4.293	O	|	|	|	|	2.78
5.667	0.00	1.47	4.283	O	|	|	|	|	2.77

5.750	0.00	1.46	4.273	O	|	|	|	2.77
5.833	0.00	1.46	4.263	O	|	|	|	2.76
5.917	0.00	1.45	4.253	O	|	|	|	2.75
6.000	0.00	1.44	4.243	O	|	|	|	2.75
6.083	0.00	1.44	4.233	O	|	|	|	2.74
6.167	0.00	1.43	4.223	O	|	|	|	2.74
6.250	0.00	1.43	4.213	O	|	|	|	2.73
6.333	0.00	1.42	4.204	O	|	|	|	2.73
6.417	0.00	1.41	4.194	O	|	|	|	2.72
6.500	0.00	1.41	4.184	O	|	|	|	2.71
6.583	0.00	1.40	4.174	O	|	|	|	2.71
6.667	0.00	1.40	4.165	O	|	|	|	2.70
6.750	0.00	1.39	4.155	O	|	|	|	2.70
6.833	0.00	1.39	4.146	O	|	|	|	2.69
6.917	0.00	1.38	4.136	O	|	|	|	2.68
7.000	0.00	1.38	4.127	O	|	|	|	2.68
7.083	0.00	1.37	4.117	O	|	|	|	2.67
7.167	0.00	1.36	4.108	O	|	|	|	2.67
7.250	0.00	1.36	4.098	O	|	|	|	2.66
7.333	0.00	1.35	4.089	O	|	|	|	2.66
7.417	0.00	1.35	4.080	O	|	|	|	2.65
7.500	0.00	1.34	4.070	O	|	|	|	2.64
7.583	0.00	1.34	4.061	O	|	|	|	2.64
7.667	0.00	1.33	4.052	O	|	|	|	2.63
7.750	0.00	1.33	4.043	O	|	|	|	2.63
7.833	0.00	1.32	4.034	O	|	|	|	2.62
7.917	0.00	1.31	4.025	O	|	|	|	2.62
8.000	0.00	1.31	4.016	O	|	|	|	2.61
8.083	0.00	1.30	4.007	O	|	|	|	2.61
8.167	0.00	1.30	3.998	O	|	|	|	2.60
8.250	0.00	1.29	3.989	O	|	|	|	2.60
8.333	0.00	1.29	3.980	O	|	|	|	2.59
8.417	0.00	1.28	3.971	O	|	|	|	2.58
8.500	0.00	1.28	3.962	O	|	|	|	2.58
8.583	0.00	1.27	3.953	O	|	|	|	2.57
8.667	0.00	1.27	3.945	O	|	|	|	2.57
8.750	0.00	1.26	3.936	O	|	|	|	2.56
8.833	0.00	1.26	3.927	O	|	|	|	2.56
8.917	0.00	1.25	3.919	O	|	|	|	2.55
9.000	0.00	1.25	3.910	O	|	|	|	2.55
9.083	0.00	1.24	3.901	O	|	|	|	2.54
9.167	0.00	1.24	3.893	O	|	|	|	2.54
9.250	0.00	1.23	3.884	O	|	|	|	2.53
9.333	0.00	1.23	3.876	O	|	|	|	2.53
9.417	0.00	1.22	3.867	O	|	|	|	2.52
9.500	0.00	1.22	3.859	O	|	|	|	2.52
9.583	0.00	1.21	3.851	O	|	|	|	2.51
9.667	0.00	1.21	3.842	O	|	|	|	2.51
9.750	0.00	1.20	3.834	O	|	|	|	2.50
9.833	0.00	1.20	3.826	O	|	|	|	2.50
9.917	0.00	1.19	3.818	O	|	|	|	2.49
10.000	0.00	1.19	3.809	O	|	|	|	2.49
10.083	0.00	1.18	3.801	O	|	|	|	2.48
10.167	0.00	1.18	3.793	O	|	|	|	2.48
10.250	0.00	1.17	3.785	O	|	|	|	2.47
10.333	0.00	1.17	3.777	O	|	|	|	2.47
10.417	0.00	1.16	3.769	O	|	|	|	2.46
10.500	0.00	1.16	3.761	O	|	|	|	2.46
10.583	0.00	1.15	3.753	O	|	|	|	2.45
10.667	0.00	1.15	3.745	O	|	|	|	2.45
10.750	0.00	1.15	3.737	O	|	|	|	2.44
10.833	0.00	1.14	3.729	O	|	|	|	2.44
10.917	0.00	1.14	3.721	O	|	|	|	2.43
11.000	0.00	1.13	3.714	O	|	|	|	2.43
11.083	0.00	1.13	3.706	O	|	|	|	2.43
11.167	0.00	1.12	3.698	O	|	|	|	2.42
11.250	0.00	1.12	3.690	O	|	|	|	2.42

11.333	0.00	1.11	3.683	O	|	|	|	|	2.41
11.417	0.00	1.11	3.675	O	|	|	|	|	2.41
11.500	0.00	1.10	3.667	O	|	|	|	|	2.40
11.583	0.00	1.10	3.660	O	|	|	|	|	2.40
11.667	0.00	1.10	3.652	O	|	|	|	|	2.39
11.750	0.00	1.09	3.645	O	|	|	|	|	2.39
11.833	0.00	1.09	3.637	O	|	|	|	|	2.38
11.917	0.00	1.08	3.630	O	|	|	|	|	2.38
12.000	0.00	1.08	3.622	O	|	|	|	|	2.37
12.083	0.00	1.07	3.615	O	|	|	|	|	2.37
12.167	0.00	1.07	3.608	O	|	|	|	|	2.37
12.250	0.00	1.06	3.600	O	|	|	|	|	2.36
12.333	0.00	1.06	3.593	O	|	|	|	|	2.36
12.417	0.00	1.06	3.586	O	|	|	|	|	2.35
12.500	0.00	1.05	3.578	O	|	|	|	|	2.35
12.583	0.00	1.05	3.571	O	|	|	|	|	2.34
12.667	0.00	1.04	3.564	O	|	|	|	|	2.34
12.750	0.00	1.04	3.557	O	|	|	|	|	2.34
12.833	0.00	1.03	3.550	O	|	|	|	|	2.33
12.917	0.00	1.03	3.543	O	|	|	|	|	2.33
13.000	0.00	1.03	3.535	O	|	|	|	|	2.32
13.083	0.00	1.02	3.528	O	|	|	|	|	2.32
13.167	0.00	1.02	3.521	O	|	|	|	|	2.31
13.250	0.00	1.01	3.514	O	|	|	|	|	2.31
13.333	0.00	1.01	3.507	O	|	|	|	|	2.31
13.417	0.00	1.01	3.500	O	|	|	|	|	2.30
13.500	0.00	1.00	3.494	O	|	|	|	|	2.30
13.583	0.00	1.00	3.487	O	|	|	|	|	2.29
13.667	0.00	0.99	3.480	O	|	|	|	|	2.29
13.750	0.00	0.99	3.473	O	|	|	|	|	2.28
13.833	0.00	0.99	3.466	O	|	|	|	|	2.28
13.917	0.00	0.98	3.459	O	|	|	|	|	2.28
14.000	0.00	0.98	3.453	O	|	|	|	|	2.27
14.083	0.00	0.97	3.446	O	|	|	|	|	2.27
14.167	0.00	0.97	3.439	O	|	|	|	|	2.26
14.250	0.00	0.97	3.433	O	|	|	|	|	2.26
14.333	0.00	0.96	3.426	O	|	|	|	|	2.26
14.417	0.00	0.96	3.419	O	|	|	|	|	2.25
14.500	0.00	0.95	3.413	O	|	|	|	|	2.25
14.583	0.00	0.95	3.406	O	|	|	|	|	2.24
14.667	0.00	0.95	3.400	O	|	|	|	|	2.24
14.750	0.00	0.94	3.393	O	|	|	|	|	2.24
14.833	0.00	0.94	3.387	O	|	|	|	|	2.23
14.917	0.00	0.93	3.380	O	|	|	|	|	2.23
15.000	0.00	0.93	3.374	O	|	|	|	|	2.23
15.083	0.00	0.93	3.367	O	|	|	|	|	2.22
15.167	0.00	0.92	3.361	O	|	|	|	|	2.22
15.250	0.00	0.92	3.355	O	|	|	|	|	2.21
15.333	0.00	0.92	3.348	O	|	|	|	|	2.21
15.417	0.00	0.91	3.342	O	|	|	|	|	2.21
15.500	0.00	0.91	3.336	O	|	|	|	|	2.20
15.583	0.00	0.90	3.330	O	|	|	|	|	2.20
15.667	0.00	0.90	3.323	O	|	|	|	|	2.19
15.750	0.00	0.90	3.317	O	|	|	|	|	2.19
15.833	0.00	0.89	3.311	O	|	|	|	|	2.19
15.917	0.00	0.89	3.305	O	|	|	|	|	2.18
16.000	0.00	0.89	3.299	O	|	|	|	|	2.18
16.083	0.00	0.88	3.293	O	|	|	|	|	2.18
16.167	0.00	0.88	3.287	O	|	|	|	|	2.17
16.250	0.00	0.88	3.281	O	|	|	|	|	2.17
16.333	0.00	0.87	3.275	O	|	|	|	|	2.17
16.417	0.00	0.87	3.269	O	|	|	|	|	2.16
16.500	0.00	0.87	3.263	O	|	|	|	|	2.16
16.583	0.00	0.86	3.257	O	|	|	|	|	2.15
16.667	0.00	0.86	3.251	O	|	|	|	|	2.15
16.750	0.00	0.85	3.245	O	|	|	|	|	2.15
16.833	0.00	0.85	3.239	O	|	|	|	|	2.14

16.917	0.00	0.85	3.233	O	|	|	|	|	2.14
17.000	0.00	0.84	3.227	O	|	|	|	|	2.14
17.083	0.00	0.84	3.221	O	|	|	|	|	2.13
17.167	0.00	0.84	3.216	O	|	|	|	|	2.13
17.250	0.00	0.83	3.210	O	|	|	|	|	2.13
17.333	0.00	0.83	3.204	O	|	|	|	|	2.12
17.417	0.00	0.83	3.198	O	|	|	|	|	2.12
17.500	0.00	0.82	3.193	O	|	|	|	|	2.12
17.583	0.00	0.82	3.187	O	|	|	|	|	2.11
17.667	0.00	0.82	3.182	O	|	|	|	|	2.11
17.750	0.00	0.81	3.176	O	|	|	|	|	2.11
17.833	0.00	0.81	3.170	O	|	|	|	|	2.10
17.917	0.00	0.81	3.165	O	|	|	|	|	2.10
18.000	0.00	0.80	3.159	O	|	|	|	|	2.10
18.083	0.00	0.80	3.154	O	|	|	|	|	2.09
18.167	0.00	0.80	3.148	O	|	|	|	|	2.09
18.250	0.00	0.79	3.143	O	|	|	|	|	2.09
18.333	0.00	0.79	3.137	O	|	|	|	|	2.08
18.417	0.00	0.79	3.132	O	|	|	|	|	2.08
18.500	0.00	0.78	3.126	O	|	|	|	|	2.08
18.583	0.00	0.78	3.121	O	|	|	|	|	2.07
18.667	0.00	0.78	3.116	O	|	|	|	|	2.07
18.750	0.00	0.78	3.110	O	|	|	|	|	2.07
18.833	0.00	0.77	3.105	O	|	|	|	|	2.06
18.917	0.00	0.77	3.100	O	|	|	|	|	2.06
19.000	0.00	0.77	3.094	O	|	|	|	|	2.06
19.083	0.00	0.76	3.089	O	|	|	|	|	2.05
19.167	0.00	0.76	3.084	O	|	|	|	|	2.05
19.250	0.00	0.76	3.079	O	|	|	|	|	2.05
19.333	0.00	0.75	3.073	O	|	|	|	|	2.04
19.417	0.00	0.75	3.068	O	|	|	|	|	2.04
19.500	0.00	0.75	3.063	O	|	|	|	|	2.04
19.583	0.00	0.74	3.058	O	|	|	|	|	2.03
19.667	0.00	0.74	3.053	O	|	|	|	|	2.03
19.750	0.00	0.74	3.048	O	|	|	|	|	2.03
19.833	0.00	0.74	3.043	O	|	|	|	|	2.03
19.917	0.00	0.73	3.038	O	|	|	|	|	2.02
20.000	0.00	0.73	3.033	O	|	|	|	|	2.02
20.083	0.00	0.73	3.028	O	|	|	|	|	2.02
20.167	0.00	0.72	3.023	O	|	|	|	|	2.01
20.250	0.00	0.72	3.018	O	|	|	|	|	2.01
20.333	0.00	0.72	3.013	O	|	|	|	|	2.01
20.417	0.00	0.71	3.008	O	|	|	|	|	2.00
20.500	0.00	0.71	3.003	O	|	|	|	|	2.00
20.583	0.00	0.71	2.998	O	|	|	|	|	2.00
20.667	0.00	0.71	2.993	O	|	|	|	|	2.00
20.750	0.00	0.71	2.988	O	|	|	|	|	1.99
20.833	0.00	0.71	2.983	O	|	|	|	|	1.99
20.917	0.00	0.71	2.978	O	|	|	|	|	1.99
21.000	0.00	0.71	2.974	O	|	|	|	|	1.98
21.083	0.00	0.71	2.969	O	|	|	|	|	1.98
21.167	0.00	0.70	2.964	O	|	|	|	|	1.98
21.250	0.00	0.70	2.959	O	|	|	|	|	1.97
21.333	0.00	0.70	2.954	O	|	|	|	|	1.97
21.417	0.00	0.70	2.949	O	|	|	|	|	1.97
21.500	0.00	0.70	2.944	O	|	|	|	|	1.96
21.583	0.00	0.70	2.940	O	|	|	|	|	1.96
21.667	0.00	0.70	2.935	O	|	|	|	|	1.96
21.750	0.00	0.70	2.930	O	|	|	|	|	1.95
21.833	0.00	0.70	2.925	O	|	|	|	|	1.95
21.917	0.00	0.70	2.920	O	|	|	|	|	1.95
22.000	0.00	0.70	2.916	O	|	|	|	|	1.95
22.083	0.00	0.70	2.911	O	|	|	|	|	1.94
22.167	0.00	0.70	2.906	O	|	|	|	|	1.94
22.250	0.00	0.69	2.901	O	|	|	|	|	1.94
22.333	0.00	0.69	2.896	O	|	|	|	|	1.93
22.417	0.00	0.69	2.892	O	|	|	|	|	1.93

22.500	0.00	0.69	2.887	O	|	|	|	|	1.93
22.583	0.00	0.69	2.882	O	|	|	|	|	1.92
22.667	0.00	0.69	2.877	O	|	|	|	|	1.92
22.750	0.00	0.69	2.873	O	|	|	|	|	1.92
22.833	0.00	0.69	2.868	O	|	|	|	|	1.91
22.917	0.00	0.69	2.863	O	|	|	|	|	1.91
23.000	0.00	0.69	2.858	O	|	|	|	|	1.91
23.083	0.00	0.69	2.854	O	|	|	|	|	1.91
23.167	0.00	0.69	2.849	O	|	|	|	|	1.90
23.250	0.00	0.69	2.844	O	|	|	|	|	1.90
23.333	0.00	0.69	2.839	O	|	|	|	|	1.90
23.417	0.00	0.68	2.835	O	|	|	|	|	1.89
23.500	0.00	0.68	2.830	O	|	|	|	|	1.89
23.583	0.00	0.68	2.825	O	|	|	|	|	1.89
23.667	0.00	0.68	2.821	O	|	|	|	|	1.88
23.750	0.00	0.68	2.816	O	|	|	|	|	1.88
23.833	0.00	0.68	2.811	O	|	|	|	|	1.88
23.917	0.00	0.68	2.807	O	|	|	|	|	1.88
24.000	0.00	0.68	2.802	O	|	|	|	|	1.87
24.083	0.00	0.68	2.797	O	|	|	|	|	1.87
24.167	0.00	0.68	2.792	O	|	|	|	|	1.87
24.250	0.00	0.68	2.788	O	|	|	|	|	1.86
24.333	0.00	0.68	2.783	O	|	|	|	|	1.86
24.417	0.00	0.68	2.778	O	|	|	|	|	1.86
24.500	0.00	0.67	2.774	O	|	|	|	|	1.85
24.583	0.00	0.67	2.769	O	|	|	|	|	1.85
24.667	0.00	0.67	2.765	O	|	|	|	|	1.85
24.750	0.00	0.67	2.760	O	|	|	|	|	1.85
24.833	0.00	0.67	2.755	O	|	|	|	|	1.84
24.917	0.00	0.67	2.751	O	|	|	|	|	1.84
25.000	0.00	0.67	2.746	O	|	|	|	|	1.84
25.083	0.00	0.67	2.741	O	|	|	|	|	1.83
25.167	0.00	0.67	2.737	O	|	|	|	|	1.83
25.250	0.00	0.67	2.732	O	|	|	|	|	1.83
25.333	0.00	0.67	2.728	O	|	|	|	|	1.82
25.417	0.00	0.67	2.723	O	|	|	|	|	1.82
25.500	0.00	0.67	2.718	O	|	|	|	|	1.82
25.583	0.00	0.67	2.714	O	|	|	|	|	1.82
25.667	0.00	0.66	2.709	O	|	|	|	|	1.81
25.750	0.00	0.66	2.705	O	|	|	|	|	1.81
25.833	0.00	0.66	2.700	O	|	|	|	|	1.81
25.917	0.00	0.66	2.696	O	|	|	|	|	1.80
26.000	0.00	0.66	2.691	O	|	|	|	|	1.80
26.083	0.00	0.66	2.686	O	|	|	|	|	1.80
26.167	0.00	0.66	2.682	O	|	|	|	|	1.79
26.250	0.00	0.66	2.677	O	|	|	|	|	1.79
26.333	0.00	0.66	2.673	O	|	|	|	|	1.79
26.417	0.00	0.66	2.668	O	|	|	|	|	1.79
26.500	0.00	0.66	2.664	O	|	|	|	|	1.78
26.583	0.00	0.66	2.659	O	|	|	|	|	1.78
26.667	0.00	0.66	2.655	O	|	|	|	|	1.78
26.750	0.00	0.66	2.650	O	|	|	|	|	1.77
26.833	0.00	0.66	2.646	O	|	|	|	|	1.77
26.917	0.00	0.65	2.641	O	|	|	|	|	1.77
27.000	0.00	0.65	2.637	O	|	|	|	|	1.77
27.083	0.00	0.65	2.632	O	|	|	|	|	1.76
27.167	0.00	0.65	2.628	O	|	|	|	|	1.76
27.250	0.00	0.65	2.623	O	|	|	|	|	1.76
27.333	0.00	0.65	2.619	O	|	|	|	|	1.75
27.417	0.00	0.65	2.614	O	|	|	|	|	1.75
27.500	0.00	0.65	2.610	O	|	|	|	|	1.75
27.583	0.00	0.65	2.605	O	|	|	|	|	1.75
27.667	0.00	0.65	2.601	O	|	|	|	|	1.74
27.750	0.00	0.65	2.596	O	|	|	|	|	1.74
27.833	0.00	0.65	2.592	O	|	|	|	|	1.74
27.917	0.00	0.65	2.587	O	|	|	|	|	1.73
28.000	0.00	0.65	2.583	O	|	|	|	|	1.73

28.083	0.00	0.64	2.578	O	|	|	|	|	1.73
28.167	0.00	0.64	2.574	O	|	|	|	|	1.73
28.250	0.00	0.64	2.570	O	|	|	|	|	1.72
28.333	0.00	0.64	2.565	O	|	|	|	|	1.72
28.417	0.00	0.64	2.561	O	|	|	|	|	1.72
28.500	0.00	0.64	2.556	O	|	|	|	|	1.71
28.583	0.00	0.64	2.552	O	|	|	|	|	1.71
28.667	0.00	0.64	2.548	O	|	|	|	|	1.71
28.750	0.00	0.64	2.543	O	|	|	|	|	1.71
28.833	0.00	0.64	2.539	O	|	|	|	|	1.70
28.917	0.00	0.64	2.534	O	|	|	|	|	1.70
29.000	0.00	0.64	2.530	O	|	|	|	|	1.70
29.083	0.00	0.64	2.526	O	|	|	|	|	1.69
29.167	0.00	0.64	2.521	O	|	|	|	|	1.69
29.250	0.00	0.64	2.517	O	|	|	|	|	1.69
29.333	0.00	0.63	2.512	O	|	|	|	|	1.69
29.417	0.00	0.63	2.508	O	|	|	|	|	1.68
29.500	0.00	0.63	2.504	O	|	|	|	|	1.68
29.583	0.00	0.63	2.499	O	|	|	|	|	1.68
29.667	0.00	0.63	2.495	O	|	|	|	|	1.67
29.750	0.00	0.63	2.491	O	|	|	|	|	1.67
29.833	0.00	0.63	2.486	O	|	|	|	|	1.67
29.917	0.00	0.63	2.482	O	|	|	|	|	1.67
30.000	0.00	0.63	2.478	O	|	|	|	|	1.66
30.083	0.00	0.63	2.473	O	|	|	|	|	1.66
30.167	0.00	0.63	2.469	O	|	|	|	|	1.66
30.250	0.00	0.63	2.465	O	|	|	|	|	1.65
30.333	0.00	0.63	2.460	O	|	|	|	|	1.65
30.417	0.00	0.63	2.456	O	|	|	|	|	1.65
30.500	0.00	0.63	2.452	O	|	|	|	|	1.65
30.583	0.00	0.62	2.447	O	|	|	|	|	1.64
30.667	0.00	0.62	2.443	O	|	|	|	|	1.64
30.750	0.00	0.62	2.439	O	|	|	|	|	1.64
30.833	0.00	0.62	2.434	O	|	|	|	|	1.64
30.917	0.00	0.62	2.430	O	|	|	|	|	1.63
31.000	0.00	0.62	2.426	O	|	|	|	|	1.63
31.083	0.00	0.62	2.422	O	|	|	|	|	1.63
31.167	0.00	0.62	2.417	O	|	|	|	|	1.62
31.250	0.00	0.62	2.413	O	|	|	|	|	1.62
31.333	0.00	0.62	2.409	O	|	|	|	|	1.62
31.417	0.00	0.62	2.405	O	|	|	|	|	1.62
31.500	0.00	0.62	2.400	O	|	|	|	|	1.61
31.583	0.00	0.62	2.396	O	|	|	|	|	1.61
31.667	0.00	0.62	2.392	O	|	|	|	|	1.61
31.750	0.00	0.62	2.388	O	|	|	|	|	1.60
31.833	0.00	0.61	2.383	O	|	|	|	|	1.60
31.917	0.00	0.61	2.379	O	|	|	|	|	1.60
32.000	0.00	0.61	2.375	O	|	|	|	|	1.60
32.083	0.00	0.61	2.371	O	|	|	|	|	1.59
32.167	0.00	0.61	2.366	O	|	|	|	|	1.59
32.250	0.00	0.61	2.362	O	|	|	|	|	1.59
32.333	0.00	0.61	2.358	O	|	|	|	|	1.59
32.417	0.00	0.61	2.354	O	|	|	|	|	1.58
32.500	0.00	0.61	2.350	O	|	|	|	|	1.58
32.583	0.00	0.61	2.345	O	|	|	|	|	1.58
32.667	0.00	0.61	2.341	O	|	|	|	|	1.58
32.750	0.00	0.61	2.337	O	|	|	|	|	1.57
32.833	0.00	0.61	2.333	O	|	|	|	|	1.57
32.917	0.00	0.61	2.329	O	|	|	|	|	1.57
33.000	0.00	0.61	2.325	O	|	|	|	|	1.56
33.083	0.00	0.60	2.320	O	|	|	|	|	1.56
33.167	0.00	0.60	2.316	O	|	|	|	|	1.56
33.250	0.00	0.60	2.312	O	|	|	|	|	1.56
33.333	0.00	0.60	2.308	O	|	|	|	|	1.55
33.417	0.00	0.60	2.304	O	|	|	|	|	1.55
33.500	0.00	0.60	2.300	O	|	|	|	|	1.55
33.583	0.00	0.60	2.295	O	|	|	|	|	1.55

33.667	0.00	0.60	2.291	O	|	|	|	1.54
33.750	0.00	0.60	2.287	O	|	|	|	1.54
33.833	0.00	0.60	2.283	O	|	|	|	1.54
33.917	0.00	0.60	2.279	O	|	|	|	1.53
34.000	0.00	0.60	2.275	O	|	|	|	1.53
34.083	0.00	0.60	2.271	O	|	|	|	1.53
34.167	0.00	0.60	2.267	O	|	|	|	1.53
34.250	0.00	0.60	2.263	O	|	|	|	1.52
34.333	0.00	0.60	2.258	O	|	|	|	1.52
34.417	0.00	0.59	2.254	O	|	|	|	1.52
34.500	0.00	0.59	2.250	O	|	|	|	1.52
34.583	0.00	0.59	2.246	O	|	|	|	1.51
34.667	0.00	0.59	2.242	O	|	|	|	1.51
34.750	0.00	0.59	2.238	O	|	|	|	1.51
34.833	0.00	0.59	2.234	O	|	|	|	1.51
34.917	0.00	0.59	2.230	O	|	|	|	1.50
35.000	0.00	0.59	2.226	O	|	|	|	1.50
35.083	0.00	0.59	2.222	O	|	|	|	1.50
35.167	0.00	0.59	2.218	O	|	|	|	1.50
35.250	0.00	0.59	2.214	O	|	|	|	1.49
35.333	0.00	0.59	2.210	O	|	|	|	1.49
35.417	0.00	0.59	2.205	O	|	|	|	1.49
35.500	0.00	0.59	2.201	O	|	|	|	1.48
35.583	0.00	0.59	2.197	O	|	|	|	1.48
35.667	0.00	0.59	2.193	O	|	|	|	1.48
35.750	0.00	0.58	2.189	O	|	|	|	1.48
35.833	0.00	0.58	2.185	O	|	|	|	1.47
35.917	0.00	0.58	2.181	O	|	|	|	1.47
36.000	0.00	0.58	2.177	O	|	|	|	1.47
36.083	0.00	0.58	2.173	O	|	|	|	1.47
36.167	0.00	0.58	2.169	O	|	|	|	1.46
36.250	0.00	0.58	2.165	O	|	|	|	1.46
36.333	0.00	0.58	2.161	O	|	|	|	1.46
36.417	0.00	0.58	2.157	O	|	|	|	1.46
36.500	0.00	0.58	2.153	O	|	|	|	1.45
36.583	0.00	0.58	2.149	O	|	|	|	1.45
36.667	0.00	0.58	2.145	O	|	|	|	1.45
36.750	0.00	0.58	2.141	O	|	|	|	1.45
36.833	0.00	0.58	2.137	O	|	|	|	1.44
36.917	0.00	0.58	2.133	O	|	|	|	1.44
37.000	0.00	0.58	2.129	O	|	|	|	1.44
37.083	0.00	0.57	2.126	O	|	|	|	1.44
37.167	0.00	0.57	2.122	O	|	|	|	1.43
37.250	0.00	0.57	2.118	O	|	|	|	1.43
37.333	0.00	0.57	2.114	O	|	|	|	1.43
37.417	0.00	0.57	2.110	O	|	|	|	1.43
37.500	0.00	0.57	2.106	O	|	|	|	1.42
37.583	0.00	0.57	2.102	O	|	|	|	1.42
37.667	0.00	0.57	2.098	O	|	|	|	1.42
37.750	0.00	0.57	2.094	O	|	|	|	1.42
37.833	0.00	0.57	2.090	O	|	|	|	1.41
37.917	0.00	0.57	2.086	O	|	|	|	1.41
38.000	0.00	0.57	2.082	O	|	|	|	1.41
38.083	0.00	0.57	2.078	O	|	|	|	1.41
38.167	0.00	0.57	2.074	O	|	|	|	1.40
38.250	0.00	0.57	2.071	O	|	|	|	1.40
38.333	0.00	0.57	2.067	O	|	|	|	1.40
38.417	0.00	0.56	2.063	O	|	|	|	1.40
38.500	0.00	0.56	2.059	O	|	|	|	1.39
38.583	0.00	0.56	2.055	O	|	|	|	1.39
38.667	0.00	0.56	2.051	O	|	|	|	1.39
38.750	0.00	0.56	2.047	O	|	|	|	1.39
38.833	0.00	0.56	2.043	O	|	|	|	1.38
38.917	0.00	0.56	2.039	O	|	|	|	1.38
39.000	0.00	0.56	2.036	O	|	|	|	1.38
39.083	0.00	0.56	2.032	O	|	|	|	1.38
39.167	0.00	0.56	2.028	O	|	|	|	1.37

39.250	0.00	0.56	2.024	O	|	|	|	1.37
39.333	0.00	0.56	2.020	O	|	|	|	1.37
39.417	0.00	0.56	2.016	O	|	|	|	1.37
39.500	0.00	0.56	2.012	O	|	|	|	1.36
39.583	0.00	0.56	2.009	O	|	|	|	1.36
39.667	0.00	0.56	2.005	O	|	|	|	1.36
39.750	0.00	0.56	2.001	O	|	|	|	1.36
39.833	0.00	0.55	1.997	O	|	|	|	1.35
39.917	0.00	0.55	1.993	O	|	|	|	1.35
40.000	0.00	0.55	1.990	O	|	|	|	1.35
40.083	0.00	0.55	1.986	O	|	|	|	1.35
40.167	0.00	0.55	1.982	O	|	|	|	1.34
40.250	0.00	0.55	1.978	O	|	|	|	1.34
40.333	0.00	0.55	1.974	O	|	|	|	1.34
40.417	0.00	0.55	1.971	O	|	|	|	1.34
40.500	0.00	0.55	1.967	O	|	|	|	1.33
40.583	0.00	0.55	1.963	O	|	|	|	1.33
40.667	0.00	0.55	1.959	O	|	|	|	1.33
40.750	0.00	0.55	1.955	O	|	|	|	1.33
40.833	0.00	0.55	1.952	O	|	|	|	1.32
40.917	0.00	0.55	1.948	O	|	|	|	1.32
41.000	0.00	0.55	1.944	O	|	|	|	1.32
41.083	0.00	0.55	1.940	O	|	|	|	1.32
41.167	0.00	0.55	1.937	O	|	|	|	1.31
41.250	0.00	0.54	1.933	O	|	|	|	1.31
41.333	0.00	0.54	1.929	O	|	|	|	1.31
41.417	0.00	0.54	1.925	O	|	|	|	1.31
41.500	0.00	0.54	1.922	O	|	|	|	1.30
41.583	0.00	0.54	1.918	O	|	|	|	1.30
41.667	0.00	0.54	1.914	O	|	|	|	1.30
41.750	0.00	0.54	1.910	O	|	|	|	1.30
41.833	0.00	0.54	1.907	O	|	|	|	1.29
41.917	0.00	0.54	1.903	O	|	|	|	1.29
42.000	0.00	0.54	1.899	O	|	|	|	1.29
42.083	0.00	0.54	1.896	O	|	|	|	1.29
42.167	0.00	0.54	1.892	O	|	|	|	1.29
42.250	0.00	0.54	1.888	O	|	|	|	1.28
42.333	0.00	0.54	1.884	O	|	|	|	1.28
42.417	0.00	0.54	1.881	O	|	|	|	1.28
42.500	0.00	0.54	1.877	O	|	|	|	1.28
42.583	0.00	0.54	1.873	O	|	|	|	1.27
42.667	0.00	0.53	1.870	O	|	|	|	1.27
42.750	0.00	0.53	1.866	O	|	|	|	1.27
42.833	0.00	0.53	1.862	O	|	|	|	1.27
42.917	0.00	0.53	1.859	O	|	|	|	1.26
43.000	0.00	0.53	1.855	O	|	|	|	1.26
43.083	0.00	0.53	1.851	O	|	|	|	1.26
43.167	0.00	0.53	1.848	O	|	|	|	1.26
43.250	0.00	0.53	1.844	O	|	|	|	1.25
43.333	0.00	0.53	1.840	O	|	|	|	1.25
43.417	0.00	0.53	1.837	O	|	|	|	1.25
43.500	0.00	0.53	1.833	O	|	|	|	1.25
43.583	0.00	0.53	1.829	O	|	|	|	1.24
43.667	0.00	0.53	1.826	O	|	|	|	1.24
43.750	0.00	0.53	1.822	O	|	|	|	1.24
43.833	0.00	0.53	1.818	O	|	|	|	1.24
43.917	0.00	0.53	1.815	O	|	|	|	1.24
44.000	0.00	0.53	1.811	O	|	|	|	1.23
44.083	0.00	0.53	1.808	O	|	|	|	1.23
44.167	0.00	0.52	1.804	O	|	|	|	1.23
44.250	0.00	0.52	1.800	O	|	|	|	1.23
44.333	0.00	0.52	1.797	O	|	|	|	1.22
44.417	0.00	0.52	1.793	O	|	|	|	1.22
44.500	0.00	0.52	1.790	O	|	|	|	1.22
44.583	0.00	0.52	1.786	O	|	|	|	1.22
44.667	0.00	0.52	1.782	O	|	|	|	1.21
44.750	0.00	0.52	1.779	O	|	|	|	1.21

44.833	0.00	0.52	1.775	O	|	|	|	1.21
44.917	0.00	0.52	1.772	O	|	|	|	1.21
45.000	0.00	0.52	1.768	O	|	|	|	1.21
45.083	0.00	0.52	1.764	O	|	|	|	1.20
45.167	0.00	0.52	1.761	O	|	|	|	1.20
45.250	0.00	0.52	1.757	O	|	|	|	1.20
45.333	0.00	0.52	1.754	O	|	|	|	1.20
45.417	0.00	0.52	1.750	O	|	|	|	1.19
45.500	0.00	0.52	1.747	O	|	|	|	1.19
45.583	0.00	0.52	1.743	O	|	|	|	1.19
45.667	0.00	0.51	1.739	O	|	|	|	1.19
45.750	0.00	0.51	1.736	O	|	|	|	1.18
45.833	0.00	0.51	1.732	O	|	|	|	1.18
45.917	0.00	0.51	1.729	O	|	|	|	1.18
46.000	0.00	0.51	1.725	O	|	|	|	1.18
46.083	0.00	0.51	1.722	O	|	|	|	1.18
46.167	0.00	0.51	1.718	O	|	|	|	1.17
46.250	0.00	0.51	1.715	O	|	|	|	1.17
46.333	0.00	0.51	1.711	O	|	|	|	1.17
46.417	0.00	0.51	1.708	O	|	|	|	1.17
46.500	0.00	0.51	1.704	O	|	|	|	1.16
46.583	0.00	0.51	1.701	O	|	|	|	1.16
46.667	0.00	0.51	1.697	O	|	|	|	1.16
46.750	0.00	0.51	1.694	O	|	|	|	1.16
46.833	0.00	0.51	1.690	O	|	|	|	1.15
46.917	0.00	0.51	1.687	O	|	|	|	1.15
47.000	0.00	0.51	1.683	O	|	|	|	1.15
47.083	0.00	0.51	1.680	O	|	|	|	1.15
47.167	0.00	0.51	1.676	O	|	|	|	1.15
47.250	0.00	0.50	1.673	O	|	|	|	1.14
47.333	0.00	0.50	1.669	O	|	|	|	1.14
47.417	0.00	0.50	1.666	O	|	|	|	1.14
47.500	0.00	0.50	1.662	O	|	|	|	1.14
47.583	0.00	0.50	1.659	O	|	|	|	1.13
47.667	0.00	0.50	1.655	O	|	|	|	1.13
47.750	0.00	0.50	1.652	O	|	|	|	1.13
47.833	0.00	0.50	1.649	O	|	|	|	1.13
47.917	0.00	0.50	1.645	O	|	|	|	1.13
48.000	0.00	0.50	1.642	O	|	|	|	1.12
48.083	0.00	0.50	1.638	O	|	|	|	1.12
48.167	0.00	0.50	1.635	O	|	|	|	1.12
48.250	0.00	0.50	1.631	O	|	|	|	1.12
48.333	0.00	0.50	1.628	O	|	|	|	1.11
48.417	0.00	0.50	1.625	O	|	|	|	1.11
48.500	0.00	0.50	1.621	O	|	|	|	1.11
48.583	0.00	0.50	1.618	O	|	|	|	1.11
48.667	0.00	0.50	1.614	O	|	|	|	1.11
48.750	0.00	0.49	1.611	O	|	|	|	1.10
48.833	0.00	0.49	1.607	O	|	|	|	1.10
48.917	0.00	0.49	1.604	O	|	|	|	1.10
49.000	0.00	0.49	1.601	O	|	|	|	1.10
49.083	0.00	0.49	1.597	O	|	|	|	1.10
49.167	0.00	0.49	1.594	O	|	|	|	1.09
49.250	0.00	0.49	1.590	O	|	|	|	1.09
49.333	0.00	0.49	1.587	O	|	|	|	1.09
49.417	0.00	0.49	1.584	O	|	|	|	1.09
49.500	0.00	0.49	1.580	O	|	|	|	1.08
49.583	0.00	0.49	1.577	O	|	|	|	1.08
49.667	0.00	0.49	1.574	O	|	|	|	1.08
49.750	0.00	0.49	1.570	O	|	|	|	1.08
49.833	0.00	0.49	1.567	O	|	|	|	1.08
49.917	0.00	0.49	1.563	O	|	|	|	1.07
50.000	0.00	0.49	1.560	O	|	|	|	1.07
50.083	0.00	0.49	1.557	O	|	|	|	1.07
50.167	0.00	0.49	1.553	O	|	|	|	1.07
50.250	0.00	0.49	1.550	O	|	|	|	1.06
50.333	0.00	0.48	1.547	O	|	|	|	1.06

50.417	0.00	0.48	1.543	O	|	|	|	1.06
50.500	0.00	0.48	1.540	O	|	|	|	1.06
50.583	0.00	0.48	1.537	O	|	|	|	1.06
50.667	0.00	0.48	1.533	O	|	|	|	1.05
50.750	0.00	0.48	1.530	O	|	|	|	1.05
50.833	0.00	0.48	1.527	O	|	|	|	1.05
50.917	0.00	0.48	1.523	O	|	|	|	1.05
51.000	0.00	0.48	1.520	O	|	|	|	1.05
51.083	0.00	0.48	1.517	O	|	|	|	1.04
51.167	0.00	0.48	1.514	O	|	|	|	1.04
51.250	0.00	0.48	1.510	O	|	|	|	1.04
51.333	0.00	0.48	1.507	O	|	|	|	1.04
51.417	0.00	0.48	1.504	O	|	|	|	1.03
51.500	0.00	0.48	1.500	O	|	|	|	1.03
51.583	0.00	0.48	1.497	O	|	|	|	1.03
51.667	0.00	0.48	1.494	O	|	|	|	1.03
51.750	0.00	0.48	1.490	O	|	|	|	1.03
51.833	0.00	0.48	1.487	O	|	|	|	1.02
51.917	0.00	0.48	1.484	O	|	|	|	1.02
52.000	0.00	0.47	1.481	O	|	|	|	1.02
52.083	0.00	0.47	1.477	O	|	|	|	1.02
52.167	0.00	0.47	1.474	O	|	|	|	1.02
52.250	0.00	0.47	1.471	O	|	|	|	1.01
52.333	0.00	0.47	1.468	O	|	|	|	1.01
52.417	0.00	0.47	1.464	O	|	|	|	1.01
52.500	0.00	0.47	1.461	O	|	|	|	1.01
52.583	0.00	0.47	1.458	O	|	|	|	1.01
52.667	0.00	0.47	1.455	O	|	|	|	1.00
52.750	0.00	0.47	1.451	O	|	|	|	1.00
52.833	0.00	0.47	1.448	O	|	|	|	1.00
52.917	0.00	0.47	1.445	O	|	|	|	1.00
53.000	0.00	0.47	1.442	O	|	|	|	0.99
53.083	0.00	0.47	1.438	O	|	|	|	0.99
53.167	0.00	0.47	1.435	O	|	|	|	0.99
53.250	0.00	0.46	1.432	O	|	|	|	0.99
53.333	0.00	0.46	1.429	O	|	|	|	0.99
53.417	0.00	0.46	1.426	O	|	|	|	0.98
53.500	0.00	0.46	1.423	O	|	|	|	0.98
53.583	0.00	0.46	1.419	O	|	|	|	0.98
53.667	0.00	0.46	1.416	O	|	|	|	0.98
53.750	0.00	0.46	1.413	O	|	|	|	0.97
53.833	0.00	0.46	1.410	O	|	|	|	0.97
53.917	0.00	0.46	1.407	O	|	|	|	0.97
54.000	0.00	0.45	1.404	O	|	|	|	0.97
54.083	0.00	0.45	1.400	O	|	|	|	0.97
54.167	0.00	0.45	1.397	O	|	|	|	0.96
54.250	0.00	0.45	1.394	O	|	|	|	0.96
54.333	0.00	0.45	1.391	O	|	|	|	0.96
54.417	0.00	0.45	1.388	O	|	|	|	0.96
54.500	0.00	0.45	1.385	O	|	|	|	0.96
54.583	0.00	0.45	1.382	O	|	|	|	0.95
54.667	0.00	0.45	1.379	O	|	|	|	0.95
54.750	0.00	0.45	1.376	O	|	|	|	0.95
54.833	0.00	0.44	1.373	O	|	|	|	0.95
54.917	0.00	0.44	1.370	O	|	|	|	0.94
55.000	0.00	0.44	1.366	O	|	|	|	0.94
55.083	0.00	0.44	1.363	O	|	|	|	0.94
55.167	0.00	0.44	1.360	O	|	|	|	0.94
55.250	0.00	0.44	1.357	O	|	|	|	0.94
55.333	0.00	0.44	1.354	O	|	|	|	0.93
55.417	0.00	0.44	1.351	O	|	|	|	0.93
55.500	0.00	0.44	1.348	O	|	|	|	0.93
55.583	0.00	0.44	1.345	O	|	|	|	0.93
55.667	0.00	0.44	1.342	O	|	|	|	0.93
55.750	0.00	0.43	1.339	O	|	|	|	0.92
55.833	0.00	0.43	1.336	O	|	|	|	0.92
55.917	0.00	0.43	1.333	O	|	|	|	0.92

56.000	0.00	0.43	1.330	O				0.92
56.083	0.00	0.43	1.327	O				0.92
56.167	0.00	0.43	1.324	O				0.91
56.250	0.00	0.43	1.321	O				0.91
56.333	0.00	0.43	1.319	O				0.91
56.417	0.00	0.43	1.316	O				0.91
56.500	0.00	0.43	1.313	O				0.91
56.583	0.00	0.42	1.310	O				0.90
56.667	0.00	0.42	1.307	O				0.90
56.750	0.00	0.42	1.304	O				0.90
56.833	0.00	0.42	1.301	O				0.90
56.917	0.00	0.42	1.298	O				0.90
57.000	0.00	0.42	1.295	O				0.89
57.083	0.00	0.42	1.292	O				0.89
57.167	0.00	0.42	1.289	O				0.89
57.250	0.00	0.42	1.287	O				0.89
57.333	0.00	0.42	1.284	O				0.89
57.417	0.00	0.42	1.281	O				0.88
57.500	0.00	0.41	1.278	O				0.88
57.583	0.00	0.41	1.275	O				0.88
57.667	0.00	0.41	1.272	O				0.88
57.750	0.00	0.41	1.269	O				0.88
57.833	0.00	0.41	1.267	O				0.87
57.917	0.00	0.41	1.264	O				0.87
58.000	0.00	0.41	1.261	O				0.87
58.083	0.00	0.41	1.258	O				0.87
58.167	0.00	0.41	1.255	O				0.87
58.250	0.00	0.41	1.253	O				0.86
58.333	0.00	0.41	1.250	O				0.86
58.417	0.00	0.40	1.247	O				0.86
58.500	0.00	0.40	1.244	O				0.86
58.583	0.00	0.40	1.241	O				0.86
58.667	0.00	0.40	1.239	O				0.85
58.750	0.00	0.40	1.236	O				0.85
58.833	0.00	0.40	1.233	O				0.85
58.917	0.00	0.40	1.230	O				0.85
59.000	0.00	0.40	1.228	O				0.85
59.083	0.00	0.40	1.225	O				0.84
59.167	0.00	0.40	1.222	O				0.84
59.250	0.00	0.40	1.219	O				0.84
59.333	0.00	0.39	1.217	O				0.84
59.417	0.00	0.39	1.214	O				0.84
59.500	0.00	0.39	1.211	O				0.84
59.583	0.00	0.39	1.209	O				0.83
59.667	0.00	0.39	1.206	O				0.83
59.750	0.00	0.39	1.203	O				0.83
59.833	0.00	0.39	1.201	O				0.83
59.917	0.00	0.39	1.198	O				0.83
60.000	0.00	0.39	1.195	O				0.82
60.083	0.00	0.39	1.193	O				0.82
60.167	0.00	0.39	1.190	O				0.82
60.250	0.00	0.38	1.187	O				0.82
60.333	0.00	0.38	1.185	O				0.82
60.417	0.00	0.38	1.182	O				0.82
60.500	0.00	0.38	1.179	O				0.81
60.583	0.00	0.38	1.177	O				0.81
60.667	0.00	0.38	1.174	O				0.81
60.750	0.00	0.38	1.171	O				0.81
60.833	0.00	0.38	1.169	O				0.81
60.917	0.00	0.38	1.166	O				0.80
61.000	0.00	0.38	1.164	O				0.80
61.083	0.00	0.38	1.161	O				0.80
61.167	0.00	0.38	1.158	O				0.80
61.250	0.00	0.37	1.156	O				0.80
61.333	0.00	0.37	1.153	O				0.80
61.417	0.00	0.37	1.151	O				0.79
61.500	0.00	0.37	1.148	O				0.79

61.583	0.00	0.37	1.146	O	|	|	|	|	0.79
61.667	0.00	0.37	1.143	O	|	|	|	|	0.79
61.750	0.00	0.37	1.140	O	|	|	|	|	0.79
61.833	0.00	0.37	1.138	O	|	|	|	|	0.78
61.917	0.00	0.37	1.135	O	|	|	|	|	0.78
62.000	0.00	0.37	1.133	O	|	|	|	|	0.78
62.083	0.00	0.37	1.130	O	|	|	|	|	0.78
62.167	0.00	0.37	1.128	O	|	|	|	|	0.78
62.250	0.00	0.36	1.125	O	|	|	|	|	0.78
62.333	0.00	0.36	1.123	O	|	|	|	|	0.77
62.417	0.00	0.36	1.120	O	|	|	|	|	0.77
62.500	0.00	0.36	1.118	O	|	|	|	|	0.77
62.583	0.00	0.36	1.115	O	|	|	|	|	0.77
62.667	0.00	0.36	1.113	O	|	|	|	|	0.77
62.750	0.00	0.36	1.110	O	|	|	|	|	0.77
62.833	0.00	0.36	1.108	O	|	|	|	|	0.76
62.917	0.00	0.36	1.105	O	|	|	|	|	0.76
63.000	0.00	0.36	1.103	O	|	|	|	|	0.76
63.083	0.00	0.36	1.100	O	|	|	|	|	0.76
63.167	0.00	0.36	1.098	O	|	|	|	|	0.76
63.250	0.00	0.36	1.096	O	|	|	|	|	0.76
63.333	0.00	0.35	1.093	O	|	|	|	|	0.75
63.417	0.00	0.35	1.091	O	|	|	|	|	0.75
63.500	0.00	0.35	1.088	O	|	|	|	|	0.75
63.583	0.00	0.35	1.086	O	|	|	|	|	0.75
63.667	0.00	0.35	1.083	O	|	|	|	|	0.75
63.750	0.00	0.35	1.081	O	|	|	|	|	0.75
63.833	0.00	0.35	1.079	O	|	|	|	|	0.74
63.917	0.00	0.35	1.076	O	|	|	|	|	0.74
64.000	0.00	0.35	1.074	O	|	|	|	|	0.74
64.083	0.00	0.35	1.071	O	|	|	|	|	0.74
64.167	0.00	0.35	1.069	O	|	|	|	|	0.74
64.250	0.00	0.35	1.067	O	|	|	|	|	0.74
64.333	0.00	0.34	1.064	O	|	|	|	|	0.73
64.417	0.00	0.34	1.062	O	|	|	|	|	0.73
64.500	0.00	0.34	1.059	O	|	|	|	|	0.73
64.583	0.00	0.34	1.057	O	|	|	|	|	0.73
64.667	0.00	0.34	1.055	O	|	|	|	|	0.73
64.750	0.00	0.34	1.052	O	|	|	|	|	0.73
64.833	0.00	0.34	1.050	O	|	|	|	|	0.72
64.917	0.00	0.34	1.048	O	|	|	|	|	0.72
65.000	0.00	0.34	1.045	O	|	|	|	|	0.72
65.083	0.00	0.34	1.043	O	|	|	|	|	0.72
65.167	0.00	0.34	1.041	O	|	|	|	|	0.72
65.250	0.00	0.34	1.038	O	|	|	|	|	0.72
65.333	0.00	0.34	1.036	O	|	|	|	|	0.71
65.417	0.00	0.34	1.034	O	|	|	|	|	0.71
65.500	0.00	0.33	1.031	O	|	|	|	|	0.71
65.583	0.00	0.33	1.029	O	|	|	|	|	0.71
65.667	0.00	0.33	1.027	O	|	|	|	|	0.71
65.750	0.00	0.33	1.025	O	|	|	|	|	0.71
65.833	0.00	0.33	1.022	O	|	|	|	|	0.71
65.917	0.00	0.33	1.020	O	|	|	|	|	0.70
66.000	0.00	0.33	1.018	O	|	|	|	|	0.70
66.083	0.00	0.33	1.015	O	|	|	|	|	0.70
66.167	0.00	0.33	1.013	O	|	|	|	|	0.70
66.250	0.00	0.33	1.011	O	|	|	|	|	0.70
66.333	0.00	0.33	1.009	O	|	|	|	|	0.70
66.417	0.00	0.33	1.006	O	|	|	|	|	0.69
66.500	0.00	0.33	1.004	O	|	|	|	|	0.69
66.583	0.00	0.32	1.002	O	|	|	|	|	0.69
66.667	0.00	0.32	1.000	O	|	|	|	|	0.69
66.750	0.00	0.32	0.997	O	|	|	|	|	0.69
66.833	0.00	0.32	0.995	O	|	|	|	|	0.69
66.917	0.00	0.32	0.993	O	|	|	|	|	0.68
67.000	0.00	0.32	0.991	O	|	|	|	|	0.68
67.083	0.00	0.32	0.989	O	|	|	|	|	0.68

67.167	0.00	0.32	0.986	O	|	|	|	|	0.68
67.250	0.00	0.32	0.984	O	|	|	|	|	0.68
67.333	0.00	0.32	0.982	O	|	|	|	|	0.68
67.417	0.00	0.32	0.980	O	|	|	|	|	0.68
67.500	0.00	0.32	0.978	O	|	|	|	|	0.67
67.583	0.00	0.32	0.975	O	|	|	|	|	0.67
67.667	0.00	0.32	0.973	O	|	|	|	|	0.67
67.750	0.00	0.31	0.971	O	|	|	|	|	0.67
67.833	0.00	0.31	0.969	O	|	|	|	|	0.67
67.917	0.00	0.31	0.967	O	|	|	|	|	0.67
68.000	0.00	0.31	0.965	O	|	|	|	|	0.67
68.083	0.00	0.31	0.962	O	|	|	|	|	0.66
68.167	0.00	0.31	0.960	O	|	|	|	|	0.66
68.250	0.00	0.31	0.958	O	|	|	|	|	0.66
68.333	0.00	0.31	0.956	O	|	|	|	|	0.66
68.417	0.00	0.31	0.954	O	|	|	|	|	0.66
68.500	0.00	0.31	0.952	O	|	|	|	|	0.66
68.583	0.00	0.31	0.950	O	|	|	|	|	0.65
68.667	0.00	0.31	0.948	O	|	|	|	|	0.65
68.750	0.00	0.31	0.945	O	|	|	|	|	0.65
68.833	0.00	0.31	0.943	O	|	|	|	|	0.65
68.917	0.00	0.31	0.941	O	|	|	|	|	0.65
69.000	0.00	0.30	0.939	O	|	|	|	|	0.65
69.083	0.00	0.30	0.937	O	|	|	|	|	0.65
69.167	0.00	0.30	0.935	O	|	|	|	|	0.64
69.250	0.00	0.30	0.933	O	|	|	|	|	0.64
69.333	0.00	0.30	0.931	O	|	|	|	|	0.64
69.417	0.00	0.30	0.929	O	|	|	|	|	0.64
69.500	0.00	0.30	0.927	O	|	|	|	|	0.64
69.583	0.00	0.30	0.925	O	|	|	|	|	0.64
69.667	0.00	0.30	0.923	O	|	|	|	|	0.64
69.750	0.00	0.30	0.920	O	|	|	|	|	0.63
69.833	0.00	0.30	0.918	O	|	|	|	|	0.63
69.917	0.00	0.30	0.916	O	|	|	|	|	0.63
70.000	0.00	0.30	0.914	O	|	|	|	|	0.63
70.083	0.00	0.30	0.912	O	|	|	|	|	0.63
70.167	0.00	0.30	0.910	O	|	|	|	|	0.63
70.250	0.00	0.29	0.908	O	|	|	|	|	0.63
70.333	0.00	0.29	0.906	O	|	|	|	|	0.62
70.417	0.00	0.29	0.904	O	|	|	|	|	0.62
70.500	0.00	0.29	0.902	O	|	|	|	|	0.62
70.583	0.00	0.29	0.900	O	|	|	|	|	0.62
70.667	0.00	0.29	0.898	O	|	|	|	|	0.62
70.750	0.00	0.29	0.896	O	|	|	|	|	0.62
70.833	0.00	0.29	0.894	O	|	|	|	|	0.62
70.917	0.00	0.29	0.892	O	|	|	|	|	0.62
71.000	0.00	0.29	0.890	O	|	|	|	|	0.61
71.083	0.00	0.29	0.888	O	|	|	|	|	0.61
71.167	0.00	0.29	0.886	O	|	|	|	|	0.61
71.250	0.00	0.29	0.884	O	|	|	|	|	0.61
71.333	0.00	0.29	0.882	O	|	|	|	|	0.61
71.417	0.00	0.29	0.880	O	|	|	|	|	0.61
71.500	0.00	0.28	0.878	O	|	|	|	|	0.61
71.583	0.00	0.28	0.876	O	|	|	|	|	0.60
71.667	0.00	0.28	0.874	O	|	|	|	|	0.60
71.750	0.00	0.28	0.872	O	|	|	|	|	0.60
71.833	0.00	0.28	0.870	O	|	|	|	|	0.60
71.917	0.00	0.28	0.869	O	|	|	|	|	0.60
72.000	0.00	0.28	0.867	O	|	|	|	|	0.60
72.083	0.00	0.28	0.865	O	|	|	|	|	0.60
72.167	0.00	0.28	0.863	O	|	|	|	|	0.59
72.250	0.00	0.28	0.861	O	|	|	|	|	0.59
72.333	0.00	0.28	0.859	O	|	|	|	|	0.59
72.417	0.00	0.28	0.857	O	|	|	|	|	0.59
72.500	0.00	0.28	0.855	O	|	|	|	|	0.59
72.583	0.00	0.28	0.853	O	|	|	|	|	0.59
72.667	0.00	0.28	0.851	O	|	|	|	|	0.59

72.750	0.00	0.28	0.849	O	|	|	|	0.59
72.833	0.00	0.27	0.847	O	|	|	|	0.58
72.917	0.00	0.27	0.846	O	|	|	|	0.58
73.000	0.00	0.27	0.844	O	|	|	|	0.58
73.083	0.00	0.27	0.842	O	|	|	|	0.58
73.167	0.00	0.27	0.840	O	|	|	|	0.58
73.250	0.00	0.27	0.838	O	|	|	|	0.58
73.333	0.00	0.27	0.836	O	|	|	|	0.58
73.417	0.00	0.27	0.834	O	|	|	|	0.58
73.500	0.00	0.27	0.832	O	|	|	|	0.57
73.583	0.00	0.27	0.831	O	|	|	|	0.57
73.667	0.00	0.27	0.829	O	|	|	|	0.57
73.750	0.00	0.27	0.827	O	|	|	|	0.57
73.833	0.00	0.27	0.825	O	|	|	|	0.57
73.917	0.00	0.27	0.823	O	|	|	|	0.57
74.000	0.00	0.27	0.821	O	|	|	|	0.57
74.083	0.00	0.27	0.820	O	|	|	|	0.57
74.167	0.00	0.27	0.818	O	|	|	|	0.56
74.250	0.00	0.26	0.816	O	|	|	|	0.56
74.333	0.00	0.26	0.814	O	|	|	|	0.56
74.417	0.00	0.26	0.812	O	|	|	|	0.56
74.500	0.00	0.26	0.810	O	|	|	|	0.56
74.583	0.00	0.26	0.809	O	|	|	|	0.56
74.667	0.00	0.26	0.807	O	|	|	|	0.56
74.750	0.00	0.26	0.805	O	|	|	|	0.56
74.833	0.00	0.26	0.803	O	|	|	|	0.55
74.917	0.00	0.26	0.801	O	|	|	|	0.55
75.000	0.00	0.26	0.800	O	|	|	|	0.55
75.083	0.00	0.26	0.798	O	|	|	|	0.55
75.167	0.00	0.26	0.796	O	|	|	|	0.55
75.250	0.00	0.26	0.794	O	|	|	|	0.55
75.333	0.00	0.26	0.793	O	|	|	|	0.55
75.417	0.00	0.26	0.791	O	|	|	|	0.55
75.500	0.00	0.26	0.789	O	|	|	|	0.54
75.583	0.00	0.26	0.787	O	|	|	|	0.54
75.667	0.00	0.25	0.786	O	|	|	|	0.54
75.750	0.00	0.25	0.784	O	|	|	|	0.54
75.833	0.00	0.25	0.782	O	|	|	|	0.54
75.917	0.00	0.25	0.780	O	|	|	|	0.54
76.000	0.00	0.25	0.779	O	|	|	|	0.54
76.083	0.00	0.25	0.777	O	|	|	|	0.54
76.167	0.00	0.25	0.775	O	|	|	|	0.53
76.250	0.00	0.25	0.773	O	|	|	|	0.53
76.333	0.00	0.25	0.772	O	|	|	|	0.53
76.417	0.00	0.25	0.770	O	|	|	|	0.53
76.500	0.00	0.25	0.768	O	|	|	|	0.53
76.583	0.00	0.25	0.766	O	|	|	|	0.53
76.667	0.00	0.25	0.765	O	|	|	|	0.53
76.750	0.00	0.25	0.763	O	|	|	|	0.53
76.833	0.00	0.25	0.761	O	|	|	|	0.53
76.917	0.00	0.25	0.760	O	|	|	|	0.52
77.000	0.00	0.25	0.758	O	|	|	|	0.52
77.083	0.00	0.25	0.756	O	|	|	|	0.52
77.167	0.00	0.24	0.755	O	|	|	|	0.52
77.250	0.00	0.24	0.753	O	|	|	|	0.52
77.333	0.00	0.24	0.751	O	|	|	|	0.52
77.417	0.00	0.24	0.750	O	|	|	|	0.52
77.500	0.00	0.24	0.748	O	|	|	|	0.52
77.583	0.00	0.24	0.746	O	|	|	|	0.51
77.667	0.00	0.24	0.745	O	|	|	|	0.51
77.750	0.00	0.24	0.743	O	|	|	|	0.51
77.833	0.00	0.24	0.741	O	|	|	|	0.51
77.917	0.00	0.24	0.740	O	|	|	|	0.51
78.000	0.00	0.24	0.738	O	|	|	|	0.51
78.083	0.00	0.24	0.736	O	|	|	|	0.51
78.167	0.00	0.24	0.735	O	|	|	|	0.51
78.250	0.00	0.24	0.733	O	|	|	|	0.51

78.333	0.00	0.24	0.731	O	|	|	|	0.50
78.417	0.00	0.24	0.730	O	|	|	|	0.50
78.500	0.00	0.24	0.728	O	|	|	|	0.50
78.583	0.00	0.24	0.726	O	|	|	|	0.50
78.667	0.00	0.23	0.725	O	|	|	|	0.50
78.750	0.00	0.23	0.723	O	|	|	|	0.50
78.833	0.00	0.23	0.722	O	|	|	|	0.50
78.917	0.00	0.23	0.720	O	|	|	|	0.50
79.000	0.00	0.23	0.718	O	|	|	|	0.50
79.083	0.00	0.23	0.717	O	|	|	|	0.49
79.167	0.00	0.23	0.715	O	|	|	|	0.49
79.250	0.00	0.23	0.714	O	|	|	|	0.49
79.333	0.00	0.23	0.712	O	|	|	|	0.49
79.417	0.00	0.23	0.710	O	|	|	|	0.49
79.500	0.00	0.23	0.709	O	|	|	|	0.49
79.583	0.00	0.23	0.707	O	|	|	|	0.49
79.667	0.00	0.23	0.706	O	|	|	|	0.49
79.750	0.00	0.23	0.704	O	|	|	|	0.49
79.833	0.00	0.23	0.703	O	|	|	|	0.48
79.917	0.00	0.23	0.701	O	|	|	|	0.48
80.000	0.00	0.23	0.699	O	|	|	|	0.48
80.083	0.00	0.23	0.698	O	|	|	|	0.48
80.167	0.00	0.23	0.696	O	|	|	|	0.48
80.250	0.00	0.23	0.695	O	|	|	|	0.48
80.333	0.00	0.22	0.693	O	|	|	|	0.48
80.417	0.00	0.22	0.692	O	|	|	|	0.48
80.500	0.00	0.22	0.690	O	|	|	|	0.48
80.583	0.00	0.22	0.689	O	|	|	|	0.47
80.667	0.00	0.22	0.687	O	|	|	|	0.47
80.750	0.00	0.22	0.686	O	|	|	|	0.47
80.833	0.00	0.22	0.684	O	|	|	|	0.47
80.917	0.00	0.22	0.682	O	|	|	|	0.47
81.000	0.00	0.22	0.681	O	|	|	|	0.47
81.083	0.00	0.22	0.679	O	|	|	|	0.47
81.167	0.00	0.22	0.678	O	|	|	|	0.47
81.250	0.00	0.22	0.676	O	|	|	|	0.47
81.333	0.00	0.22	0.675	O	|	|	|	0.47
81.417	0.00	0.22	0.673	O	|	|	|	0.46
81.500	0.00	0.22	0.672	O	|	|	|	0.46
81.583	0.00	0.22	0.670	O	|	|	|	0.46
81.667	0.00	0.22	0.669	O	|	|	|	0.46
81.750	0.00	0.22	0.667	O	|	|	|	0.46
81.833	0.00	0.22	0.666	O	|	|	|	0.46
81.917	0.00	0.22	0.664	O	|	|	|	0.46
82.000	0.00	0.21	0.663	O	|	|	|	0.46
82.083	0.00	0.21	0.661	O	|	|	|	0.46
82.167	0.00	0.21	0.660	O	|	|	|	0.46
82.250	0.00	0.21	0.659	O	|	|	|	0.45
82.333	0.00	0.21	0.657	O	|	|	|	0.45
82.417	0.00	0.21	0.656	O	|	|	|	0.45
82.500	0.00	0.21	0.654	O	|	|	|	0.45
82.583	0.00	0.21	0.653	O	|	|	|	0.45
82.667	0.00	0.21	0.651	O	|	|	|	0.45
82.750	0.00	0.21	0.650	O	|	|	|	0.45
82.833	0.00	0.21	0.648	O	|	|	|	0.45
82.917	0.00	0.21	0.647	O	|	|	|	0.45
83.000	0.00	0.21	0.645	O	|	|	|	0.45
83.083	0.00	0.21	0.644	O	|	|	|	0.44
83.167	0.00	0.21	0.643	O	|	|	|	0.44
83.250	0.00	0.21	0.641	O	|	|	|	0.44
83.333	0.00	0.21	0.640	O	|	|	|	0.44
83.417	0.00	0.21	0.638	O	|	|	|	0.44
83.500	0.00	0.21	0.637	O	|	|	|	0.44
83.583	0.00	0.21	0.635	O	|	|	|	0.44
83.667	0.00	0.21	0.634	O	|	|	|	0.44
83.750	0.00	0.21	0.633	O	|	|	|	0.44
83.833	0.00	0.20	0.631	O	|	|	|	0.44

83.917	0.00	0.20	0.630	O					0.43
84.000	0.00	0.20	0.628	O					0.43
84.083	0.00	0.20	0.627	O					0.43
84.167	0.00	0.20	0.626	O					0.43
84.250	0.00	0.20	0.624	O					0.43
84.333	0.00	0.20	0.623	O					0.43
84.417	0.00	0.20	0.621	O					0.43
84.500	0.00	0.20	0.620	O					0.43
84.583	0.00	0.20	0.619	O					0.43
84.667	0.00	0.20	0.617	O					0.43
84.750	0.00	0.20	0.616	O					0.42
84.833	0.00	0.20	0.614	O					0.42
84.917	0.00	0.20	0.613	O					0.42
85.000	0.00	0.20	0.612	O					0.42
85.083	0.00	0.20	0.610	O					0.42
85.167	0.00	0.20	0.609	O					0.42
85.250	0.00	0.20	0.608	O					0.42
85.333	0.00	0.20	0.606	O					0.42
85.417	0.00	0.20	0.605	O					0.42
85.500	0.00	0.20	0.604	O					0.42
85.583	0.00	0.20	0.602	O					0.42
85.667	0.00	0.19	0.601	O					0.41
85.750	0.00	0.19	0.600	O					0.41
85.833	0.00	0.19	0.598	O					0.41
85.917	0.00	0.19	0.597	O					0.41
86.000	0.00	0.19	0.596	O					0.41
86.083	0.00	0.19	0.594	O					0.41
86.167	0.00	0.19	0.593	O					0.41
86.250	0.00	0.19	0.592	O					0.41
86.333	0.00	0.19	0.590	O					0.41
86.417	0.00	0.19	0.589	O					0.41
86.500	0.00	0.19	0.588	O					0.41
86.583	0.00	0.19	0.586	O					0.40
86.667	0.00	0.19	0.585	O					0.40
86.750	0.00	0.19	0.584	O					0.40
86.833	0.00	0.19	0.582	O					0.40
86.917	0.00	0.19	0.581	O					0.40
87.000	0.00	0.19	0.580	O					0.40
87.083	0.00	0.19	0.579	O					0.40
87.167	0.00	0.19	0.577	O					0.40
87.250	0.00	0.19	0.576	O					0.40
87.333	0.00	0.19	0.575	O					0.40
87.417	0.00	0.19	0.573	O					0.40
87.500	0.00	0.19	0.572	O					0.39
87.583	0.00	0.19	0.571	O					0.39
87.667	0.00	0.18	0.570	O					0.39
87.750	0.00	0.18	0.568	O					0.39
87.833	0.00	0.18	0.567	O					0.39
87.917	0.00	0.18	0.566	O					0.39
88.000	0.00	0.18	0.565	O					0.39
88.083	0.00	0.18	0.563	O					0.39
88.167	0.00	0.18	0.562	O					0.39
88.250	0.00	0.18	0.561	O					0.39
88.333	0.00	0.18	0.560	O					0.39
88.417	0.00	0.18	0.558	O					0.39
88.500	0.00	0.18	0.557	O					0.38
88.583	0.00	0.18	0.556	O					0.38
88.667	0.00	0.18	0.555	O					0.38
88.750	0.00	0.18	0.553	O					0.38
88.833	0.00	0.18	0.552	O					0.38
88.917	0.00	0.18	0.551	O					0.38
89.000	0.00	0.18	0.550	O					0.38
89.083	0.00	0.18	0.548	O					0.38
89.167	0.00	0.18	0.547	O					0.38
89.250	0.00	0.18	0.546	O					0.38
89.333	0.00	0.18	0.545	O					0.38
89.417	0.00	0.18	0.543	O					0.37

89.500	0.00	0.18	0.542	O	|	|	|	|	0.37
89.583	0.00	0.18	0.541	O	|	|	|	|	0.37
89.667	0.00	0.17	0.540	O	|	|	|	|	0.37
89.750	0.00	0.17	0.539	O	|	|	|	|	0.37
89.833	0.00	0.17	0.537	O	|	|	|	|	0.37
89.917	0.00	0.17	0.536	O	|	|	|	|	0.37
90.000	0.00	0.17	0.535	O	|	|	|	|	0.37
90.083	0.00	0.17	0.534	O	|	|	|	|	0.37
90.167	0.00	0.17	0.533	O	|	|	|	|	0.37
90.250	0.00	0.17	0.531	O	|	|	|	|	0.37
90.333	0.00	0.17	0.530	O	|	|	|	|	0.37
90.417	0.00	0.17	0.529	O	|	|	|	|	0.36
90.500	0.00	0.17	0.528	O	|	|	|	|	0.36
90.583	0.00	0.17	0.527	O	|	|	|	|	0.36
90.667	0.00	0.17	0.526	O	|	|	|	|	0.36
90.750	0.00	0.17	0.524	O	|	|	|	|	0.36
90.833	0.00	0.17	0.523	O	|	|	|	|	0.36
90.917	0.00	0.17	0.522	O	|	|	|	|	0.36
91.000	0.00	0.17	0.521	O	|	|	|	|	0.36
91.083	0.00	0.17	0.520	O	|	|	|	|	0.36
91.167	0.00	0.17	0.519	O	|	|	|	|	0.36
91.250	0.00	0.17	0.517	O	|	|	|	|	0.36
91.333	0.00	0.17	0.516	O	|	|	|	|	0.36
91.417	0.00	0.17	0.515	O	|	|	|	|	0.36
91.500	0.00	0.17	0.514	O	|	|	|	|	0.35
91.583	0.00	0.17	0.513	O	|	|	|	|	0.35
91.667	0.00	0.17	0.512	O	|	|	|	|	0.35
91.750	0.00	0.17	0.511	O	|	|	|	|	0.35
91.833	0.00	0.17	0.509	O	|	|	|	|	0.35
91.917	0.00	0.16	0.508	O	|	|	|	|	0.35
92.000	0.00	0.16	0.507	O	|	|	|	|	0.35
92.083	0.00	0.16	0.506	O	|	|	|	|	0.35
92.167	0.00	0.16	0.505	O	|	|	|	|	0.35
92.250	0.00	0.16	0.504	O	|	|	|	|	0.35
92.333	0.00	0.16	0.503	O	|	|	|	|	0.35
92.417	0.00	0.16	0.502	O	|	|	|	|	0.35
92.500	0.00	0.16	0.500	O	|	|	|	|	0.35
92.583	0.00	0.16	0.499	O	|	|	|	|	0.34
92.667	0.00	0.16	0.498	O	|	|	|	|	0.34
92.750	0.00	0.16	0.497	O	|	|	|	|	0.34
92.833	0.00	0.16	0.496	O	|	|	|	|	0.34
92.917	0.00	0.16	0.495	O	|	|	|	|	0.34
93.000	0.00	0.16	0.494	O	|	|	|	|	0.34
93.083	0.00	0.16	0.493	O	|	|	|	|	0.34
93.167	0.00	0.16	0.492	O	|	|	|	|	0.34
93.250	0.00	0.16	0.490	O	|	|	|	|	0.34
93.333	0.00	0.16	0.489	O	|	|	|	|	0.34
93.417	0.00	0.16	0.488	O	|	|	|	|	0.34
93.500	0.00	0.16	0.487	O	|	|	|	|	0.34
93.583	0.00	0.16	0.486	O	|	|	|	|	0.34
93.667	0.00	0.16	0.485	O	|	|	|	|	0.33
93.750	0.00	0.16	0.484	O	|	|	|	|	0.33
93.833	0.00	0.16	0.483	O	|	|	|	|	0.33
93.917	0.00	0.16	0.482	O	|	|	|	|	0.33
94.000	0.00	0.16	0.481	O	|	|	|	|	0.33
94.083	0.00	0.16	0.480	O	|	|	|	|	0.33
94.167	0.00	0.16	0.479	O	|	|	|	|	0.33
94.250	0.00	0.15	0.477	O	|	|	|	|	0.33
94.333	0.00	0.15	0.476	O	|	|	|	|	0.33
94.417	0.00	0.15	0.475	O	|	|	|	|	0.33
94.500	0.00	0.15	0.474	O	|	|	|	|	0.33
94.583	0.00	0.15	0.473	O	|	|	|	|	0.33
94.667	0.00	0.15	0.472	O	|	|	|	|	0.33
94.750	0.00	0.15	0.471	O	|	|	|	|	0.32
94.833	0.00	0.15	0.470	O	|	|	|	|	0.32
94.917	0.00	0.15	0.469	O	|	|	|	|	0.32
95.000	0.00	0.15	0.468	O	|	|	|	|	0.32

95.083	0.00	0.15	0.467	O				0.32
95.167	0.00	0.15	0.466	O				0.32
95.250	0.00	0.15	0.465	O				0.32
95.333	0.00	0.15	0.464	O				0.32
95.417	0.00	0.15	0.463	O				0.32
95.500	0.00	0.15	0.462	O				0.32
95.583	0.00	0.15	0.461	O				0.32
95.667	0.00	0.15	0.460	O				0.32
95.750	0.00	0.15	0.459	O				0.32
95.833	0.00	0.15	0.458	O				0.32
95.917	0.00	0.15	0.457	O				0.31
96.000	0.00	0.15	0.456	O				0.31
96.083	0.00	0.15	0.455	O				0.31
96.167	0.00	0.15	0.454	O				0.31
96.250	0.00	0.15	0.453	O				0.31
96.333	0.00	0.15	0.452	O				0.31
96.417	0.00	0.15	0.451	O				0.31
96.500	0.00	0.15	0.450	O				0.31
96.583	0.00	0.15	0.449	O				0.31
96.667	0.00	0.15	0.448	O				0.31
96.750	0.00	0.14	0.447	O				0.31
96.833	0.00	0.14	0.446	O				0.31
96.917	0.00	0.14	0.445	O				0.31
97.000	0.00	0.14	0.444	O				0.31
97.083	0.00	0.14	0.443	O				0.31
97.167	0.00	0.14	0.442	O				0.30
97.250	0.00	0.14	0.441	O				0.30
97.333	0.00	0.14	0.440	O				0.30
97.417	0.00	0.14	0.439	O				0.30
97.500	0.00	0.14	0.438	O				0.30
97.583	0.00	0.14	0.437	O				0.30
97.667	0.00	0.14	0.436	O				0.30
97.750	0.00	0.14	0.435	O				0.30
97.833	0.00	0.14	0.434	O				0.30
97.917	0.00	0.14	0.433	O				0.30
98.000	0.00	0.14	0.432	O				0.30
98.083	0.00	0.14	0.431	O				0.30
98.167	0.00	0.14	0.430	O				0.30
98.250	0.00	0.14	0.429	O				0.30
98.333	0.00	0.14	0.428	O				0.30
98.417	0.00	0.14	0.427	O				0.29
98.500	0.00	0.14	0.426	O				0.29
98.583	0.00	0.14	0.425	O				0.29
98.667	0.00	0.14	0.424	O				0.29
98.750	0.00	0.14	0.423	O				0.29
98.833	0.00	0.14	0.422	O				0.29
98.917	0.00	0.14	0.421	O				0.29
99.000	0.00	0.14	0.420	O				0.29
99.083	0.00	0.14	0.420	O				0.29
99.167	0.00	0.14	0.419	O				0.29
99.250	0.00	0.14	0.418	O				0.29
99.333	0.00	0.14	0.417	O				0.29
99.417	0.00	0.13	0.416	O				0.29
99.500	0.00	0.13	0.415	O				0.29
99.583	0.00	0.13	0.414	O				0.29
99.667	0.00	0.13	0.413	O				0.28
99.750	0.00	0.13	0.412	O				0.28
99.833	0.00	0.13	0.411	O				0.28
99.917	0.00	0.13	0.410	O				0.28
100.000	0.00	0.13	0.409	O				0.28
100.083	0.00	0.13	0.408	O				0.28
100.167	0.00	0.13	0.408	O				0.28
100.250	0.00	0.13	0.407	O				0.28
100.333	0.00	0.13	0.406	O				0.28
100.417	0.00	0.13	0.405	O				0.28
100.500	0.00	0.13	0.404	O				0.28
100.583	0.00	0.13	0.403	O				0.28

100.667	0.00	0.13	0.402	O	|	|	|	|	0.28
100.750	0.00	0.13	0.401	O	|	|	|	|	0.28
100.833	0.00	0.13	0.400	O	|	|	|	|	0.28
100.917	0.00	0.13	0.399	O	|	|	|	|	0.28
101.000	0.00	0.13	0.399	O	|	|	|	|	0.27
101.083	0.00	0.13	0.398	O	|	|	|	|	0.27
101.167	0.00	0.13	0.397	O	|	|	|	|	0.27
101.250	0.00	0.13	0.396	O	|	|	|	|	0.27
101.333	0.00	0.13	0.395	O	|	|	|	|	0.27
101.417	0.00	0.13	0.394	O	|	|	|	|	0.27
101.500	0.00	0.13	0.393	O	|	|	|	|	0.27
101.583	0.00	0.13	0.392	O	|	|	|	|	0.27
101.667	0.00	0.13	0.391	O	|	|	|	|	0.27
101.750	0.00	0.13	0.391	O	|	|	|	|	0.27
101.833	0.00	0.13	0.390	O	|	|	|	|	0.27
101.917	0.00	0.13	0.389	O	|	|	|	|	0.27
102.000	0.00	0.13	0.388	O	|	|	|	|	0.27
102.083	0.00	0.13	0.387	O	|	|	|	|	0.27
102.167	0.00	0.13	0.386	O	|	|	|	|	0.27
102.250	0.00	0.12	0.385	O	|	|	|	|	0.27
102.333	0.00	0.12	0.385	O	|	|	|	|	0.27
102.417	0.00	0.12	0.384	O	|	|	|	|	0.26
102.500	0.00	0.12	0.383	O	|	|	|	|	0.26
102.583	0.00	0.12	0.382	O	|	|	|	|	0.26
102.667	0.00	0.12	0.381	O	|	|	|	|	0.26
102.750	0.00	0.12	0.380	O	|	|	|	|	0.26
102.833	0.00	0.12	0.379	O	|	|	|	|	0.26
102.917	0.00	0.12	0.379	O	|	|	|	|	0.26
103.000	0.00	0.12	0.378	O	|	|	|	|	0.26
103.083	0.00	0.12	0.377	O	|	|	|	|	0.26
103.167	0.00	0.12	0.376	O	|	|	|	|	0.26
103.250	0.00	0.12	0.375	O	|	|	|	|	0.26
103.333	0.00	0.12	0.374	O	|	|	|	|	0.26
103.417	0.00	0.12	0.374	O	|	|	|	|	0.26
103.500	0.00	0.12	0.373	O	|	|	|	|	0.26
103.583	0.00	0.12	0.372	O	|	|	|	|	0.26
103.667	0.00	0.12	0.371	O	|	|	|	|	0.26
103.750	0.00	0.12	0.370	O	|	|	|	|	0.26
103.833	0.00	0.12	0.369	O	|	|	|	|	0.25
103.917	0.00	0.12	0.369	O	|	|	|	|	0.25
104.000	0.00	0.12	0.368	O	|	|	|	|	0.25
104.083	0.00	0.12	0.367	O	|	|	|	|	0.25
104.167	0.00	0.12	0.366	O	|	|	|	|	0.25
104.250	0.00	0.12	0.365	O	|	|	|	|	0.25
104.333	0.00	0.12	0.364	O	|	|	|	|	0.25
104.417	0.00	0.12	0.364	O	|	|	|	|	0.25
104.500	0.00	0.12	0.363	O	|	|	|	|	0.25
104.583	0.00	0.12	0.362	O	|	|	|	|	0.25
104.667	0.00	0.12	0.361	O	|	|	|	|	0.25
104.750	0.00	0.12	0.360	O	|	|	|	|	0.25
104.833	0.00	0.12	0.360	O	|	|	|	|	0.25
104.917	0.00	0.12	0.359	O	|	|	|	|	0.25
105.000	0.00	0.12	0.358	O	|	|	|	|	0.25
105.083	0.00	0.12	0.357	O	|	|	|	|	0.25
105.167	0.00	0.12	0.356	O	|	|	|	|	0.25
105.250	0.00	0.12	0.356	O	|	|	|	|	0.25
105.333	0.00	0.12	0.355	O	|	|	|	|	0.24
105.417	0.00	0.11	0.354	O	|	|	|	|	0.24
105.500	0.00	0.11	0.353	O	|	|	|	|	0.24
105.583	0.00	0.11	0.352	O	|	|	|	|	0.24
105.667	0.00	0.11	0.352	O	|	|	|	|	0.24
105.750	0.00	0.11	0.351	O	|	|	|	|	0.24
105.833	0.00	0.11	0.350	O	|	|	|	|	0.24
105.917	0.00	0.11	0.349	O	|	|	|	|	0.24
106.000	0.00	0.11	0.349	O	|	|	|	|	0.24
106.083	0.00	0.11	0.348	O	|	|	|	|	0.24
106.167	0.00	0.11	0.347	O	|	|	|	|	0.24

106.250	0.00	0.11	0.346	O	|	|	|	|	0.24
106.333	0.00	0.11	0.345	O	|	|	|	|	0.24
106.417	0.00	0.11	0.345	O	|	|	|	|	0.24
106.500	0.00	0.11	0.344	O	|	|	|	|	0.24
106.583	0.00	0.11	0.343	O	|	|	|	|	0.24
106.667	0.00	0.11	0.342	O	|	|	|	|	0.24
106.750	0.00	0.11	0.342	O	|	|	|	|	0.24
106.833	0.00	0.11	0.341	O	|	|	|	|	0.24
106.917	0.00	0.11	0.340	O	|	|	|	|	0.23
107.000	0.00	0.11	0.339	O	|	|	|	|	0.23
107.083	0.00	0.11	0.339	O	|	|	|	|	0.23
107.167	0.00	0.11	0.338	O	|	|	|	|	0.23
107.250	0.00	0.11	0.337	O	|	|	|	|	0.23
107.333	0.00	0.11	0.336	O	|	|	|	|	0.23
107.417	0.00	0.11	0.336	O	|	|	|	|	0.23
107.500	0.00	0.11	0.335	O	|	|	|	|	0.23
107.583	0.00	0.11	0.334	O	|	|	|	|	0.23
107.667	0.00	0.11	0.333	O	|	|	|	|	0.23
107.750	0.00	0.11	0.333	O	|	|	|	|	0.23
107.833	0.00	0.11	0.332	O	|	|	|	|	0.23
107.917	0.00	0.11	0.331	O	|	|	|	|	0.23
108.000	0.00	0.11	0.330	O	|	|	|	|	0.23
108.083	0.00	0.11	0.330	O	|	|	|	|	0.23
108.167	0.00	0.11	0.329	O	|	|	|	|	0.23
108.250	0.00	0.11	0.328	O	|	|	|	|	0.23
108.333	0.00	0.11	0.327	O	|	|	|	|	0.23
108.417	0.00	0.11	0.327	O	|	|	|	|	0.23
108.500	0.00	0.11	0.326	O	|	|	|	|	0.22
108.583	0.00	0.11	0.325	O	|	|	|	|	0.22
108.667	0.00	0.11	0.325	O	|	|	|	|	0.22
108.750	0.00	0.10	0.324	O	|	|	|	|	0.22
108.833	0.00	0.10	0.323	O	|	|	|	|	0.22
108.917	0.00	0.10	0.322	O	|	|	|	|	0.22
109.000	0.00	0.10	0.322	O	|	|	|	|	0.22
109.083	0.00	0.10	0.321	O	|	|	|	|	0.22
109.167	0.00	0.10	0.320	O	|	|	|	|	0.22
109.250	0.00	0.10	0.319	O	|	|	|	|	0.22
109.333	0.00	0.10	0.319	O	|	|	|	|	0.22
109.417	0.00	0.10	0.318	O	|	|	|	|	0.22
109.500	0.00	0.10	0.317	O	|	|	|	|	0.22
109.583	0.00	0.10	0.317	O	|	|	|	|	0.22
109.667	0.00	0.10	0.316	O	|	|	|	|	0.22
109.750	0.00	0.10	0.315	O	|	|	|	|	0.22
109.833	0.00	0.10	0.315	O	|	|	|	|	0.22
109.917	0.00	0.10	0.314	O	|	|	|	|	0.22
110.000	0.00	0.10	0.313	O	|	|	|	|	0.22
110.083	0.00	0.10	0.312	O	|	|	|	|	0.22
110.167	0.00	0.10	0.312	O	|	|	|	|	0.21
110.250	0.00	0.10	0.311	O	|	|	|	|	0.21
110.333	0.00	0.10	0.310	O	|	|	|	|	0.21
110.417	0.00	0.10	0.310	O	|	|	|	|	0.21
110.500	0.00	0.10	0.309	O	|	|	|	|	0.21
110.583	0.00	0.10	0.308	O	|	|	|	|	0.21
110.667	0.00	0.10	0.308	O	|	|	|	|	0.21
110.750	0.00	0.10	0.307	O	|	|	|	|	0.21
110.833	0.00	0.10	0.306	O	|	|	|	|	0.21
110.917	0.00	0.10	0.306	O	|	|	|	|	0.21
111.000	0.00	0.10	0.305	O	|	|	|	|	0.21
111.083	0.00	0.10	0.304	O	|	|	|	|	0.21
111.167	0.00	0.10	0.304	O	|	|	|	|	0.21
111.250	0.00	0.10	0.303	O	|	|	|	|	0.21
111.333	0.00	0.10	0.302	O	|	|	|	|	0.21
111.417	0.00	0.10	0.301	O	|	|	|	|	0.21
111.500	0.00	0.10	0.301	O	|	|	|	|	0.21
111.583	0.00	0.10	0.300	O	|	|	|	|	0.21
111.667	0.00	0.10	0.299	O	|	|	|	|	0.21
111.750	0.00	0.10	0.299	O	|	|	|	|	0.21

111.833	0.00	0.10	0.298	O	|	|	|	|	0.21
111.917	0.00	0.10	0.297	O	|	|	|	|	0.21
112.000	0.00	0.10	0.297	O	|	|	|	|	0.20
112.083	0.00	0.10	0.296	O	|	|	|	|	0.20
112.167	0.00	0.10	0.295	O	|	|	|	|	0.20
112.250	0.00	0.10	0.295	O	|	|	|	|	0.20
112.333	0.00	0.10	0.294	O	|	|	|	|	0.20
112.417	0.00	0.10	0.294	O	|	|	|	|	0.20
112.500	0.00	0.09	0.293	O	|	|	|	|	0.20
112.583	0.00	0.09	0.292	O	|	|	|	|	0.20
112.667	0.00	0.09	0.292	O	|	|	|	|	0.20
112.750	0.00	0.09	0.291	O	|	|	|	|	0.20
112.833	0.00	0.09	0.290	O	|	|	|	|	0.20
112.917	0.00	0.09	0.290	O	|	|	|	|	0.20
113.000	0.00	0.09	0.289	O	|	|	|	|	0.20
113.083	0.00	0.09	0.288	O	|	|	|	|	0.20
113.167	0.00	0.09	0.288	O	|	|	|	|	0.20
113.250	0.00	0.09	0.287	O	|	|	|	|	0.20
113.333	0.00	0.09	0.286	O	|	|	|	|	0.20
113.417	0.00	0.09	0.286	O	|	|	|	|	0.20
113.500	0.00	0.09	0.285	O	|	|	|	|	0.20
113.583	0.00	0.09	0.284	O	|	|	|	|	0.20
113.667	0.00	0.09	0.284	O	|	|	|	|	0.20
113.750	0.00	0.09	0.283	O	|	|	|	|	0.20
113.833	0.00	0.09	0.283	O	|	|	|	|	0.19
113.917	0.00	0.09	0.282	O	|	|	|	|	0.19
114.000	0.00	0.09	0.281	O	|	|	|	|	0.19
114.083	0.00	0.09	0.281	O	|	|	|	|	0.19
114.167	0.00	0.09	0.280	O	|	|	|	|	0.19
114.250	0.00	0.09	0.279	O	|	|	|	|	0.19
114.333	0.00	0.09	0.279	O	|	|	|	|	0.19
114.417	0.00	0.09	0.278	O	|	|	|	|	0.19
114.500	0.00	0.09	0.278	O	|	|	|	|	0.19
114.583	0.00	0.09	0.277	O	|	|	|	|	0.19
114.667	0.00	0.09	0.276	O	|	|	|	|	0.19
114.750	0.00	0.09	0.276	O	|	|	|	|	0.19
114.833	0.00	0.09	0.275	O	|	|	|	|	0.19
114.917	0.00	0.09	0.274	O	|	|	|	|	0.19
115.000	0.00	0.09	0.274	O	|	|	|	|	0.19
115.083	0.00	0.09	0.273	O	|	|	|	|	0.19
115.167	0.00	0.09	0.273	O	|	|	|	|	0.19
115.250	0.00	0.09	0.272	O	|	|	|	|	0.19
115.333	0.00	0.09	0.271	O	|	|	|	|	0.19
115.417	0.00	0.09	0.271	O	|	|	|	|	0.19
115.500	0.00	0.09	0.270	O	|	|	|	|	0.19
115.583	0.00	0.09	0.270	O	|	|	|	|	0.19
115.667	0.00	0.09	0.269	O	|	|	|	|	0.19
115.750	0.00	0.09	0.268	O	|	|	|	|	0.19
115.833	0.00	0.09	0.268	O	|	|	|	|	0.18
115.917	0.00	0.09	0.267	O	|	|	|	|	0.18
116.000	0.00	0.09	0.267	O	|	|	|	|	0.18
116.083	0.00	0.09	0.266	O	|	|	|	|	0.18
116.167	0.00	0.09	0.265	O	|	|	|	|	0.18
116.250	0.00	0.09	0.265	O	|	|	|	|	0.18
116.333	0.00	0.09	0.264	O	|	|	|	|	0.18
116.417	0.00	0.09	0.264	O	|	|	|	|	0.18
116.500	0.00	0.09	0.263	O	|	|	|	|	0.18
116.583	0.00	0.09	0.263	O	|	|	|	|	0.18
116.667	0.00	0.08	0.262	O	|	|	|	|	0.18
116.750	0.00	0.08	0.261	O	|	|	|	|	0.18
116.833	0.00	0.08	0.261	O	|	|	|	|	0.18
116.917	0.00	0.08	0.260	O	|	|	|	|	0.18
117.000	0.00	0.08	0.260	O	|	|	|	|	0.18
117.083	0.00	0.08	0.259	O	|	|	|	|	0.18
117.167	0.00	0.08	0.258	O	|	|	|	|	0.18
117.250	0.00	0.08	0.258	O	|	|	|	|	0.18
117.333	0.00	0.08	0.257	O	|	|	|	|	0.18

117.417	0.00	0.08	0.257	O	|	|	|	|	0.18
117.500	0.00	0.08	0.256	O	|	|	|	|	0.18
117.583	0.00	0.08	0.256	O	|	|	|	|	0.18
117.667	0.00	0.08	0.255	O	|	|	|	|	0.18
117.750	0.00	0.08	0.254	O	|	|	|	|	0.18
117.833	0.00	0.08	0.254	O	|	|	|	|	0.18
117.917	0.00	0.08	0.253	O	|	|	|	|	0.17
118.000	0.00	0.08	0.253	O	|	|	|	|	0.17
118.083	0.00	0.08	0.252	O	|	|	|	|	0.17
118.167	0.00	0.08	0.252	O	|	|	|	|	0.17
118.250	0.00	0.08	0.251	O	|	|	|	|	0.17
118.333	0.00	0.08	0.250	O	|	|	|	|	0.17
118.417	0.00	0.08	0.250	O	|	|	|	|	0.17
118.500	0.00	0.08	0.249	O	|	|	|	|	0.17
118.583	0.00	0.08	0.249	O	|	|	|	|	0.17
118.667	0.00	0.08	0.248	O	|	|	|	|	0.17
118.750	0.00	0.08	0.248	O	|	|	|	|	0.17
118.833	0.00	0.08	0.247	O	|	|	|	|	0.17
118.917	0.00	0.08	0.247	O	|	|	|	|	0.17
119.000	0.00	0.08	0.246	O	|	|	|	|	0.17
119.083	0.00	0.08	0.246	O	|	|	|	|	0.17
119.167	0.00	0.08	0.245	O	|	|	|	|	0.17
119.250	0.00	0.08	0.244	O	|	|	|	|	0.17
119.333	0.00	0.08	0.244	O	|	|	|	|	0.17
119.417	0.00	0.08	0.243	O	|	|	|	|	0.17
119.500	0.00	0.08	0.243	O	|	|	|	|	0.17
119.583	0.00	0.08	0.242	O	|	|	|	|	0.17
119.667	0.00	0.08	0.242	O	|	|	|	|	0.17
119.750	0.00	0.08	0.241	O	|	|	|	|	0.17
119.833	0.00	0.08	0.241	O	|	|	|	|	0.17
119.917	0.00	0.08	0.240	O	|	|	|	|	0.17
120.000	0.00	0.08	0.240	O	|	|	|	|	0.17
120.083	0.00	0.08	0.239	O	|	|	|	|	0.16
120.167	0.00	0.08	0.238	O	|	|	|	|	0.16
120.250	0.00	0.08	0.238	O	|	|	|	|	0.16
120.333	0.00	0.08	0.237	O	|	|	|	|	0.16
120.417	0.00	0.08	0.237	O	|	|	|	|	0.16
120.500	0.00	0.08	0.236	O	|	|	|	|	0.16
120.583	0.00	0.08	0.236	O	|	|	|	|	0.16
120.667	0.00	0.08	0.235	O	|	|	|	|	0.16
120.750	0.00	0.08	0.235	O	|	|	|	|	0.16
120.833	0.00	0.08	0.234	O	|	|	|	|	0.16
120.917	0.00	0.08	0.234	O	|	|	|	|	0.16
121.000	0.00	0.08	0.233	O	|	|	|	|	0.16
121.083	0.00	0.08	0.233	O	|	|	|	|	0.16
121.167	0.00	0.08	0.232	O	|	|	|	|	0.16
121.250	0.00	0.08	0.232	O	|	|	|	|	0.16
121.333	0.00	0.07	0.231	O	|	|	|	|	0.16
121.417	0.00	0.07	0.231	O	|	|	|	|	0.16
121.500	0.00	0.07	0.230	O	|	|	|	|	0.16
121.583	0.00	0.07	0.230	O	|	|	|	|	0.16
121.667	0.00	0.07	0.229	O	|	|	|	|	0.16
121.750	0.00	0.07	0.229	O	|	|	|	|	0.16
121.833	0.00	0.07	0.228	O	|	|	|	|	0.16
121.917	0.00	0.07	0.228	O	|	|	|	|	0.16
122.000	0.00	0.07	0.227	O	|	|	|	|	0.16
122.083	0.00	0.07	0.227	O	|	|	|	|	0.16
122.167	0.00	0.07	0.226	O	|	|	|	|	0.16
122.250	0.00	0.07	0.226	O	|	|	|	|	0.16
122.333	0.00	0.07	0.225	O	|	|	|	|	0.16
122.417	0.00	0.07	0.225	O	|	|	|	|	0.15
122.500	0.00	0.07	0.224	O	|	|	|	|	0.15
122.583	0.00	0.07	0.224	O	|	|	|	|	0.15
122.667	0.00	0.07	0.223	O	|	|	|	|	0.15
122.750	0.00	0.07	0.223	O	|	|	|	|	0.15
122.833	0.00	0.07	0.222	O	|	|	|	|	0.15
122.917	0.00	0.07	0.222	O	|	|	|	|	0.15

123.000	0.00	0.07	0.221	O	|	|	|	0.15
123.083	0.00	0.07	0.221	O	|	|	|	0.15
123.167	0.00	0.07	0.220	O	|	|	|	0.15
123.250	0.00	0.07	0.220	O	|	|	|	0.15
123.333	0.00	0.07	0.219	O	|	|	|	0.15
123.417	0.00	0.07	0.219	O	|	|	|	0.15
123.500	0.00	0.07	0.218	O	|	|	|	0.15
123.583	0.00	0.07	0.218	O	|	|	|	0.15
123.667	0.00	0.07	0.217	O	|	|	|	0.15
123.750	0.00	0.07	0.217	O	|	|	|	0.15
123.833	0.00	0.07	0.216	O	|	|	|	0.15
123.917	0.00	0.07	0.216	O	|	|	|	0.15
124.000	0.00	0.07	0.215	O	|	|	|	0.15
124.083	0.00	0.07	0.215	O	|	|	|	0.15
124.167	0.00	0.07	0.214	O	|	|	|	0.15
124.250	0.00	0.07	0.214	O	|	|	|	0.15
124.333	0.00	0.07	0.213	O	|	|	|	0.15
124.417	0.00	0.07	0.213	O	|	|	|	0.15
124.500	0.00	0.07	0.212	O	|	|	|	0.15
124.583	0.00	0.07	0.212	O	|	|	|	0.15
124.667	0.00	0.07	0.211	O	|	|	|	0.15
124.750	0.00	0.07	0.211	O	|	|	|	0.15
124.833	0.00	0.07	0.210	O	|	|	|	0.15
124.917	0.00	0.07	0.210	O	|	|	|	0.14
125.000	0.00	0.07	0.210	O	|	|	|	0.14
125.083	0.00	0.07	0.209	O	|	|	|	0.14
125.167	0.00	0.07	0.209	O	|	|	|	0.14
125.250	0.00	0.07	0.208	O	|	|	|	0.14
125.333	0.00	0.07	0.208	O	|	|	|	0.14
125.417	0.00	0.07	0.207	O	|	|	|	0.14
125.500	0.00	0.07	0.207	O	|	|	|	0.14
125.583	0.00	0.07	0.206	O	|	|	|	0.14
125.667	0.00	0.07	0.206	O	|	|	|	0.14
125.750	0.00	0.07	0.205	O	|	|	|	0.14
125.833	0.00	0.07	0.205	O	|	|	|	0.14
125.917	0.00	0.07	0.204	O	|	|	|	0.14
126.000	0.00	0.07	0.204	O	|	|	|	0.14
126.083	0.00	0.07	0.204	O	|	|	|	0.14
126.167	0.00	0.07	0.203	O	|	|	|	0.14
126.250	0.00	0.07	0.203	O	|	|	|	0.14
126.333	0.00	0.07	0.202	O	|	|	|	0.14
126.417	0.00	0.07	0.202	O	|	|	|	0.14
126.500	0.00	0.07	0.201	O	|	|	|	0.14
126.583	0.00	0.07	0.201	O	|	|	|	0.14
126.667	0.00	0.06	0.200	O	|	|	|	0.14
126.750	0.00	0.06	0.200	O	|	|	|	0.14
126.833	0.00	0.06	0.199	O	|	|	|	0.14
126.917	0.00	0.06	0.199	O	|	|	|	0.14
127.000	0.00	0.06	0.199	O	|	|	|	0.14
127.083	0.00	0.06	0.198	O	|	|	|	0.14
127.167	0.00	0.06	0.198	O	|	|	|	0.14
127.250	0.00	0.06	0.197	O	|	|	|	0.14
127.333	0.00	0.06	0.197	O	|	|	|	0.14
127.417	0.00	0.06	0.196	O	|	|	|	0.14
127.500	0.00	0.06	0.196	O	|	|	|	0.14
127.583	0.00	0.06	0.196	O	|	|	|	0.13
127.667	0.00	0.06	0.195	O	|	|	|	0.13
127.750	0.00	0.06	0.195	O	|	|	|	0.13
127.833	0.00	0.06	0.194	O	|	|	|	0.13
127.917	0.00	0.06	0.194	O	|	|	|	0.13
128.000	0.00	0.06	0.193	O	|	|	|	0.13
128.083	0.00	0.06	0.193	O	|	|	|	0.13
128.167	0.00	0.06	0.192	O	|	|	|	0.13
128.250	0.00	0.06	0.192	O	|	|	|	0.13
128.333	0.00	0.06	0.192	O	|	|	|	0.13
128.417	0.00	0.06	0.191	O	|	|	|	0.13
128.500	0.00	0.06	0.191	O	|	|	|	0.13

128.583	0.00	0.06	0.190	O	|	|	|	|	0.13
128.667	0.00	0.06	0.190	O	|	|	|	|	0.13
128.750	0.00	0.06	0.189	O	|	|	|	|	0.13
128.833	0.00	0.06	0.189	O	|	|	|	|	0.13
128.917	0.00	0.06	0.189	O	|	|	|	|	0.13
129.000	0.00	0.06	0.188	O	|	|	|	|	0.13
129.083	0.00	0.06	0.188	O	|	|	|	|	0.13
129.167	0.00	0.06	0.187	O	|	|	|	|	0.13
129.250	0.00	0.06	0.187	O	|	|	|	|	0.13
129.333	0.00	0.06	0.187	O	|	|	|	|	0.13
129.417	0.00	0.06	0.186	O	|	|	|	|	0.13
129.500	0.00	0.06	0.186	O	|	|	|	|	0.13
129.583	0.00	0.06	0.185	O	|	|	|	|	0.13
129.667	0.00	0.06	0.185	O	|	|	|	|	0.13
129.750	0.00	0.06	0.184	O	|	|	|	|	0.13
129.833	0.00	0.06	0.184	O	|	|	|	|	0.13
129.917	0.00	0.06	0.184	O	|	|	|	|	0.13
130.000	0.00	0.06	0.183	O	|	|	|	|	0.13
130.083	0.00	0.06	0.183	O	|	|	|	|	0.13
130.167	0.00	0.06	0.182	O	|	|	|	|	0.13
130.250	0.00	0.06	0.182	O	|	|	|	|	0.13
130.333	0.00	0.06	0.182	O	|	|	|	|	0.13
130.417	0.00	0.06	0.181	O	|	|	|	|	0.12
130.500	0.00	0.06	0.181	O	|	|	|	|	0.12
130.583	0.00	0.06	0.180	O	|	|	|	|	0.12
130.667	0.00	0.06	0.180	O	|	|	|	|	0.12
130.750	0.00	0.06	0.180	O	|	|	|	|	0.12
130.833	0.00	0.06	0.179	O	|	|	|	|	0.12
130.917	0.00	0.06	0.179	O	|	|	|	|	0.12
131.000	0.00	0.06	0.178	O	|	|	|	|	0.12
131.083	0.00	0.06	0.178	O	|	|	|	|	0.12
131.167	0.00	0.06	0.178	O	|	|	|	|	0.12
131.250	0.00	0.06	0.177	O	|	|	|	|	0.12
131.333	0.00	0.06	0.177	O	|	|	|	|	0.12
131.417	0.00	0.06	0.176	O	|	|	|	|	0.12
131.500	0.00	0.06	0.176	O	|	|	|	|	0.12
131.583	0.00	0.06	0.176	O	|	|	|	|	0.12
131.667	0.00	0.06	0.175	O	|	|	|	|	0.12
131.750	0.00	0.06	0.175	O	|	|	|	|	0.12
131.833	0.00	0.06	0.174	O	|	|	|	|	0.12
131.917	0.00	0.06	0.174	O	|	|	|	|	0.12
132.000	0.00	0.06	0.174	O	|	|	|	|	0.12
132.083	0.00	0.06	0.173	O	|	|	|	|	0.12
132.167	0.00	0.06	0.173	O	|	|	|	|	0.12
132.250	0.00	0.06	0.173	O	|	|	|	|	0.12
132.333	0.00	0.06	0.172	O	|	|	|	|	0.12
132.417	0.00	0.06	0.172	O	|	|	|	|	0.12
132.500	0.00	0.06	0.171	O	|	|	|	|	0.12
132.583	0.00	0.06	0.171	O	|	|	|	|	0.12
132.667	0.00	0.06	0.171	O	|	|	|	|	0.12
132.750	0.00	0.06	0.170	O	|	|	|	|	0.12
132.833	0.00	0.06	0.170	O	|	|	|	|	0.12
132.917	0.00	0.05	0.169	O	|	|	|	|	0.12
133.000	0.00	0.05	0.169	O	|	|	|	|	0.12
133.083	0.00	0.05	0.169	O	|	|	|	|	0.12
133.167	0.00	0.05	0.168	O	|	|	|	|	0.12
133.250	0.00	0.05	0.168	O	|	|	|	|	0.12
133.333	0.00	0.05	0.168	O	|	|	|	|	0.12
133.417	0.00	0.05	0.167	O	|	|	|	|	0.12
133.500	0.00	0.05	0.167	O	|	|	|	|	0.12
133.583	0.00	0.05	0.166	O	|	|	|	|	0.11
133.667	0.00	0.05	0.166	O	|	|	|	|	0.11
133.750	0.00	0.05	0.166	O	|	|	|	|	0.11
133.833	0.00	0.05	0.165	O	|	|	|	|	0.11
133.917	0.00	0.05	0.165	O	|	|	|	|	0.11
134.000	0.00	0.05	0.165	O	|	|	|	|	0.11
134.083	0.00	0.05	0.164	O	|	|	|	|	0.11

134.167	0.00	0.05	0.164	O	|	|	|	0.11
134.250	0.00	0.05	0.164	O	|	|	|	0.11
134.333	0.00	0.05	0.163	O	|	|	|	0.11
134.417	0.00	0.05	0.163	O	|	|	|	0.11
134.500	0.00	0.05	0.162	O	|	|	|	0.11
134.583	0.00	0.05	0.162	O	|	|	|	0.11
134.667	0.00	0.05	0.162	O	|	|	|	0.11
134.750	0.00	0.05	0.161	O	|	|	|	0.11
134.833	0.00	0.05	0.161	O	|	|	|	0.11
134.917	0.00	0.05	0.161	O	|	|	|	0.11
135.000	0.00	0.05	0.160	O	|	|	|	0.11
135.083	0.00	0.05	0.160	O	|	|	|	0.11
135.167	0.00	0.05	0.160	O	|	|	|	0.11
135.250	0.00	0.05	0.159	O	|	|	|	0.11
135.333	0.00	0.05	0.159	O	|	|	|	0.11
135.417	0.00	0.05	0.159	O	|	|	|	0.11
135.500	0.00	0.05	0.158	O	|	|	|	0.11
135.583	0.00	0.05	0.158	O	|	|	|	0.11
135.667	0.00	0.05	0.157	O	|	|	|	0.11
135.750	0.00	0.05	0.157	O	|	|	|	0.11
135.833	0.00	0.05	0.157	O	|	|	|	0.11
135.917	0.00	0.05	0.156	O	|	|	|	0.11
136.000	0.00	0.05	0.156	O	|	|	|	0.11
136.083	0.00	0.05	0.156	O	|	|	|	0.11
136.167	0.00	0.05	0.155	O	|	|	|	0.11
136.250	0.00	0.05	0.155	O	|	|	|	0.11
136.333	0.00	0.05	0.155	O	|	|	|	0.11
136.417	0.00	0.05	0.154	O	|	|	|	0.11
136.500	0.00	0.05	0.154	O	|	|	|	0.11
136.583	0.00	0.05	0.154	O	|	|	|	0.11
136.667	0.00	0.05	0.153	O	|	|	|	0.11
136.750	0.00	0.05	0.153	O	|	|	|	0.11
136.833	0.00	0.05	0.153	O	|	|	|	0.11
136.917	0.00	0.05	0.152	O	|	|	|	0.11
137.000	0.00	0.05	0.152	O	|	|	|	0.10
137.083	0.00	0.05	0.152	O	|	|	|	0.10
137.167	0.00	0.05	0.151	O	|	|	|	0.10
137.250	0.00	0.05	0.151	O	|	|	|	0.10
137.333	0.00	0.05	0.151	O	|	|	|	0.10
137.417	0.00	0.05	0.150	O	|	|	|	0.10
137.500	0.00	0.05	0.150	O	|	|	|	0.10
137.583	0.00	0.05	0.150	O	|	|	|	0.10
137.667	0.00	0.05	0.149	O	|	|	|	0.10
137.750	0.00	0.05	0.149	O	|	|	|	0.10
137.833	0.00	0.05	0.149	O	|	|	|	0.10
137.917	0.00	0.05	0.148	O	|	|	|	0.10
138.000	0.00	0.05	0.148	O	|	|	|	0.10
138.083	0.00	0.05	0.148	O	|	|	|	0.10
138.167	0.00	0.05	0.147	O	|	|	|	0.10
138.250	0.00	0.05	0.147	O	|	|	|	0.10
138.333	0.00	0.05	0.147	O	|	|	|	0.10
138.417	0.00	0.05	0.146	O	|	|	|	0.10
138.500	0.00	0.05	0.146	O	|	|	|	0.10
138.583	0.00	0.05	0.146	O	|	|	|	0.10
138.667	0.00	0.05	0.145	O	|	|	|	0.10
138.750	0.00	0.05	0.145	O	|	|	|	0.10
138.833	0.00	0.05	0.145	O	|	|	|	0.10
138.917	0.00	0.05	0.144	O	|	|	|	0.10
139.000	0.00	0.05	0.144	O	|	|	|	0.10
139.083	0.00	0.05	0.144	O	|	|	|	0.10
139.167	0.00	0.05	0.143	O	|	|	|	0.10
139.250	0.00	0.05	0.143	O	|	|	|	0.10
139.333	0.00	0.05	0.143	O	|	|	|	0.10
139.417	0.00	0.05	0.142	O	|	|	|	0.10
139.500	0.00	0.05	0.142	O	|	|	|	0.10
139.583	0.00	0.05	0.142	O	|	|	|	0.10
139.667	0.00	0.05	0.141	O	|	|	|	0.10

139.750	0.00	0.05	0.141	O	|	|	|	0.10
139.833	0.00	0.05	0.141	O	|	|	|	0.10
139.917	0.00	0.05	0.141	O	|	|	|	0.10
140.000	0.00	0.05	0.140	O	|	|	|	0.10
140.083	0.00	0.05	0.140	O	|	|	|	0.10
140.167	0.00	0.05	0.140	O	|	|	|	0.10
140.250	0.00	0.05	0.139	O	|	|	|	0.10
140.333	0.00	0.05	0.139	O	|	|	|	0.10
140.417	0.00	0.04	0.139	O	|	|	|	0.10
140.500	0.00	0.04	0.138	O	|	|	|	0.10
140.583	0.00	0.04	0.138	O	|	|	|	0.10
140.667	0.00	0.04	0.138	O	|	|	|	0.09
140.750	0.00	0.04	0.137	O	|	|	|	0.09
140.833	0.00	0.04	0.137	O	|	|	|	0.09
140.917	0.00	0.04	0.137	O	|	|	|	0.09
141.000	0.00	0.04	0.136	O	|	|	|	0.09
141.083	0.00	0.04	0.136	O	|	|	|	0.09
141.167	0.00	0.04	0.136	O	|	|	|	0.09
141.250	0.00	0.04	0.136	O	|	|	|	0.09
141.333	0.00	0.04	0.135	O	|	|	|	0.09
141.417	0.00	0.04	0.135	O	|	|	|	0.09
141.500	0.00	0.04	0.135	O	|	|	|	0.09
141.583	0.00	0.04	0.134	O	|	|	|	0.09
141.667	0.00	0.04	0.134	O	|	|	|	0.09
141.750	0.00	0.04	0.134	O	|	|	|	0.09
141.833	0.00	0.04	0.133	O	|	|	|	0.09
141.917	0.00	0.04	0.133	O	|	|	|	0.09
142.000	0.00	0.04	0.133	O	|	|	|	0.09
142.083	0.00	0.04	0.133	O	|	|	|	0.09
142.167	0.00	0.04	0.132	O	|	|	|	0.09
142.250	0.00	0.04	0.132	O	|	|	|	0.09
142.333	0.00	0.04	0.132	O	|	|	|	0.09
142.417	0.00	0.04	0.131	O	|	|	|	0.09
142.500	0.00	0.04	0.131	O	|	|	|	0.09
142.583	0.00	0.04	0.131	O	|	|	|	0.09
142.667	0.00	0.04	0.131	O	|	|	|	0.09
142.750	0.00	0.04	0.130	O	|	|	|	0.09
142.833	0.00	0.04	0.130	O	|	|	|	0.09
142.917	0.00	0.04	0.130	O	|	|	|	0.09
143.000	0.00	0.04	0.129	O	|	|	|	0.09
143.083	0.00	0.04	0.129	O	|	|	|	0.09
143.167	0.00	0.04	0.129	O	|	|	|	0.09
143.250	0.00	0.04	0.128	O	|	|	|	0.09
143.333	0.00	0.04	0.128	O	|	|	|	0.09
143.417	0.00	0.04	0.128	O	|	|	|	0.09
143.500	0.00	0.04	0.128	O	|	|	|	0.09
143.583	0.00	0.04	0.127	O	|	|	|	0.09
143.667	0.00	0.04	0.127	O	|	|	|	0.09
143.750	0.00	0.04	0.127	O	|	|	|	0.09
143.833	0.00	0.04	0.127	O	|	|	|	0.09
143.917	0.00	0.04	0.126	O	|	|	|	0.09
144.000	0.00	0.04	0.126	O	|	|	|	0.09
144.083	0.00	0.04	0.126	O	|	|	|	0.09
144.167	0.00	0.04	0.125	O	|	|	|	0.09
144.250	0.00	0.04	0.125	O	|	|	|	0.09
144.333	0.00	0.04	0.125	O	|	|	|	0.09
144.417	0.00	0.04	0.125	O	|	|	|	0.09
144.500	0.00	0.04	0.124	O	|	|	|	0.09
144.583	0.00	0.04	0.124	O	|	|	|	0.09
144.667	0.00	0.04	0.124	O	|	|	|	0.09
144.750	0.00	0.04	0.123	O	|	|	|	0.09
144.833	0.00	0.04	0.123	O	|	|	|	0.08
144.917	0.00	0.04	0.123	O	|	|	|	0.08
145.000	0.00	0.04	0.123	O	|	|	|	0.08
145.083	0.00	0.04	0.122	O	|	|	|	0.08
145.167	0.00	0.04	0.122	O	|	|	|	0.08
145.250	0.00	0.04	0.122	O	|	|	|	0.08

145.333	0.00	0.04	0.122	O	|	|	|	0.08
145.417	0.00	0.04	0.121	O	|	|	|	0.08
145.500	0.00	0.04	0.121	O	|	|	|	0.08
145.583	0.00	0.04	0.121	O	|	|	|	0.08
145.667	0.00	0.04	0.120	O	|	|	|	0.08
145.750	0.00	0.04	0.120	O	|	|	|	0.08
145.833	0.00	0.04	0.120	O	|	|	|	0.08
145.917	0.00	0.04	0.120	O	|	|	|	0.08
146.000	0.00	0.04	0.119	O	|	|	|	0.08
146.083	0.00	0.04	0.119	O	|	|	|	0.08
146.167	0.00	0.04	0.119	O	|	|	|	0.08
146.250	0.00	0.04	0.119	O	|	|	|	0.08
146.333	0.00	0.04	0.118	O	|	|	|	0.08
146.417	0.00	0.04	0.118	O	|	|	|	0.08
146.500	0.00	0.04	0.118	O	|	|	|	0.08
146.583	0.00	0.04	0.118	O	|	|	|	0.08
146.667	0.00	0.04	0.117	O	|	|	|	0.08
146.750	0.00	0.04	0.117	O	|	|	|	0.08
146.833	0.00	0.04	0.117	O	|	|	|	0.08
146.917	0.00	0.04	0.116	O	|	|	|	0.08
147.000	0.00	0.04	0.116	O	|	|	|	0.08
147.083	0.00	0.04	0.116	O	|	|	|	0.08
147.167	0.00	0.04	0.116	O	|	|	|	0.08
147.250	0.00	0.04	0.115	O	|	|	|	0.08
147.333	0.00	0.04	0.115	O	|	|	|	0.08
147.417	0.00	0.04	0.115	O	|	|	|	0.08
147.500	0.00	0.04	0.115	O	|	|	|	0.08
147.583	0.00	0.04	0.114	O	|	|	|	0.08
147.667	0.00	0.04	0.114	O	|	|	|	0.08
147.750	0.00	0.04	0.114	O	|	|	|	0.08
147.833	0.00	0.04	0.114	O	|	|	|	0.08
147.917	0.00	0.04	0.113	O	|	|	|	0.08
148.000	0.00	0.04	0.113	O	|	|	|	0.08
148.083	0.00	0.04	0.113	O	|	|	|	0.08
148.167	0.00	0.04	0.113	O	|	|	|	0.08
148.250	0.00	0.04	0.112	O	|	|	|	0.08
148.333	0.00	0.04	0.112	O	|	|	|	0.08
148.417	0.00	0.04	0.112	O	|	|	|	0.08
148.500	0.00	0.04	0.112	O	|	|	|	0.08
148.583	0.00	0.04	0.111	O	|	|	|	0.08
148.667	0.00	0.04	0.111	O	|	|	|	0.08
148.750	0.00	0.04	0.111	O	|	|	|	0.08
148.833	0.00	0.04	0.111	O	|	|	|	0.08
148.917	0.00	0.04	0.110	O	|	|	|	0.08
149.000	0.00	0.04	0.110	O	|	|	|	0.08
149.083	0.00	0.04	0.110	O	|	|	|	0.08
149.167	0.00	0.04	0.110	O	|	|	|	0.08
149.250	0.00	0.04	0.109	O	|	|	|	0.08
149.333	0.00	0.04	0.109	O	|	|	|	0.08
149.417	0.00	0.04	0.109	O	|	|	|	0.08
149.500	0.00	0.04	0.109	O	|	|	|	0.07
149.583	0.00	0.04	0.108	O	|	|	|	0.07
149.667	0.00	0.04	0.108	O	|	|	|	0.07
149.750	0.00	0.03	0.108	O	|	|	|	0.07
149.833	0.00	0.03	0.108	O	|	|	|	0.07
149.917	0.00	0.03	0.107	O	|	|	|	0.07
150.000	0.00	0.03	0.107	O	|	|	|	0.07
150.083	0.00	0.03	0.107	O	|	|	|	0.07
150.167	0.00	0.03	0.107	O	|	|	|	0.07
150.250	0.00	0.03	0.107	O	|	|	|	0.07
150.333	0.00	0.03	0.106	O	|	|	|	0.07
150.417	0.00	0.03	0.106	O	|	|	|	0.07
150.500	0.00	0.03	0.106	O	|	|	|	0.07
150.583	0.00	0.03	0.106	O	|	|	|	0.07
150.667	0.00	0.03	0.105	O	|	|	|	0.07
150.750	0.00	0.03	0.105	O	|	|	|	0.07
150.833	0.00	0.03	0.105	O	|	|	|	0.07

150.917	0.00	0.03	0.105	O	|	|	|	|	0.07
151.000	0.00	0.03	0.104	O	|	|	|	|	0.07
151.083	0.00	0.03	0.104	O	|	|	|	|	0.07
151.167	0.00	0.03	0.104	O	|	|	|	|	0.07
151.250	0.00	0.03	0.104	O	|	|	|	|	0.07
151.333	0.00	0.03	0.103	O	|	|	|	|	0.07
151.417	0.00	0.03	0.103	O	|	|	|	|	0.07
151.500	0.00	0.03	0.103	O	|	|	|	|	0.07
151.583	0.00	0.03	0.103	O	|	|	|	|	0.07
151.667	0.00	0.03	0.103	O	|	|	|	|	0.07
151.750	0.00	0.03	0.102	O	|	|	|	|	0.07
151.833	0.00	0.03	0.102	O	|	|	|	|	0.07
151.917	0.00	0.03	0.102	O	|	|	|	|	0.07
152.000	0.00	0.03	0.102	O	|	|	|	|	0.07
152.083	0.00	0.03	0.101	O	|	|	|	|	0.07
152.167	0.00	0.03	0.101	O	|	|	|	|	0.07
152.250	0.00	0.03	0.101	O	|	|	|	|	0.07
152.333	0.00	0.03	0.101	O	|	|	|	|	0.07
152.417	0.00	0.03	0.101	O	|	|	|	|	0.07
152.500	0.00	0.03	0.100	O	|	|	|	|	0.07
152.583	0.00	0.03	0.100	O	|	|	|	|	0.07
152.667	0.00	0.03	0.100	O	|	|	|	|	0.07
152.750	0.00	0.03	0.100	O	|	|	|	|	0.07
152.833	0.00	0.03	0.099	O	|	|	|	|	0.07
152.917	0.00	0.03	0.099	O	|	|	|	|	0.07
153.000	0.00	0.03	0.099	O	|	|	|	|	0.07
153.083	0.00	0.03	0.099	O	|	|	|	|	0.07
153.167	0.00	0.03	0.099	O	|	|	|	|	0.07
153.250	0.00	0.03	0.098	O	|	|	|	|	0.07
153.333	0.00	0.03	0.098	O	|	|	|	|	0.07
153.417	0.00	0.03	0.098	O	|	|	|	|	0.07
153.500	0.00	0.03	0.098	O	|	|	|	|	0.07
153.583	0.00	0.03	0.097	O	|	|	|	|	0.07
153.667	0.00	0.03	0.097	O	|	|	|	|	0.07
153.750	0.00	0.03	0.097	O	|	|	|	|	0.07
153.833	0.00	0.03	0.097	O	|	|	|	|	0.07
153.917	0.00	0.03	0.097	O	|	|	|	|	0.07
154.000	0.00	0.03	0.096	O	|	|	|	|	0.07
154.083	0.00	0.03	0.096	O	|	|	|	|	0.07
154.167	0.00	0.03	0.096	O	|	|	|	|	0.07
154.250	0.00	0.03	0.096	O	|	|	|	|	0.07
154.333	0.00	0.03	0.095	O	|	|	|	|	0.07
154.417	0.00	0.03	0.095	O	|	|	|	|	0.07
154.500	0.00	0.03	0.095	O	|	|	|	|	0.07
154.583	0.00	0.03	0.095	O	|	|	|	|	0.07
154.667	0.00	0.03	0.095	O	|	|	|	|	0.07
154.750	0.00	0.03	0.094	O	|	|	|	|	0.07
154.833	0.00	0.03	0.094	O	|	|	|	|	0.06
154.917	0.00	0.03	0.094	O	|	|	|	|	0.06
155.000	0.00	0.03	0.094	O	|	|	|	|	0.06
155.083	0.00	0.03	0.094	O	|	|	|	|	0.06
155.167	0.00	0.03	0.093	O	|	|	|	|	0.06
155.250	0.00	0.03	0.093	O	|	|	|	|	0.06
155.333	0.00	0.03	0.093	O	|	|	|	|	0.06
155.417	0.00	0.03	0.093	O	|	|	|	|	0.06
155.500	0.00	0.03	0.093	O	|	|	|	|	0.06
155.583	0.00	0.03	0.092	O	|	|	|	|	0.06
155.667	0.00	0.03	0.092	O	|	|	|	|	0.06
155.750	0.00	0.03	0.092	O	|	|	|	|	0.06
155.833	0.00	0.03	0.092	O	|	|	|	|	0.06
155.917	0.00	0.03	0.092	O	|	|	|	|	0.06
156.000	0.00	0.03	0.091	O	|	|	|	|	0.06
156.083	0.00	0.03	0.091	O	|	|	|	|	0.06
156.167	0.00	0.03	0.091	O	|	|	|	|	0.06
156.250	0.00	0.03	0.091	O	|	|	|	|	0.06
156.333	0.00	0.03	0.091	O	|	|	|	|	0.06
156.417	0.00	0.03	0.090	O	|	|	|	|	0.06

156.500	0.00	0.03	0.090	O	|	|	|	|	0.06
156.583	0.00	0.03	0.090	O	|	|	|	|	0.06
156.667	0.00	0.03	0.090	O	|	|	|	|	0.06
156.750	0.00	0.03	0.090	O	|	|	|	|	0.06
156.833	0.00	0.03	0.089	O	|	|	|	|	0.06
156.917	0.00	0.03	0.089	O	|	|	|	|	0.06
157.000	0.00	0.03	0.089	O	|	|	|	|	0.06
157.083	0.00	0.03	0.089	O	|	|	|	|	0.06
157.167	0.00	0.03	0.089	O	|	|	|	|	0.06
157.250	0.00	0.03	0.088	O	|	|	|	|	0.06
157.333	0.00	0.03	0.088	O	|	|	|	|	0.06
157.417	0.00	0.03	0.088	O	|	|	|	|	0.06
157.500	0.00	0.03	0.088	O	|	|	|	|	0.06
157.583	0.00	0.03	0.088	O	|	|	|	|	0.06
157.667	0.00	0.03	0.087	O	|	|	|	|	0.06
157.750	0.00	0.03	0.087	O	|	|	|	|	0.06
157.833	0.00	0.03	0.087	O	|	|	|	|	0.06
157.917	0.00	0.03	0.087	O	|	|	|	|	0.06
158.000	0.00	0.03	0.087	O	|	|	|	|	0.06
158.083	0.00	0.03	0.086	O	|	|	|	|	0.06
158.167	0.00	0.03	0.086	O	|	|	|	|	0.06
158.250	0.00	0.03	0.086	O	|	|	|	|	0.06
158.333	0.00	0.03	0.086	O	|	|	|	|	0.06
158.417	0.00	0.03	0.086	O	|	|	|	|	0.06
158.500	0.00	0.03	0.085	O	|	|	|	|	0.06
158.583	0.00	0.03	0.085	O	|	|	|	|	0.06
158.667	0.00	0.03	0.085	O	|	|	|	|	0.06
158.750	0.00	0.03	0.085	O	|	|	|	|	0.06
158.833	0.00	0.03	0.085	O	|	|	|	|	0.06
158.917	0.00	0.03	0.084	O	|	|	|	|	0.06
159.000	0.00	0.03	0.084	O	|	|	|	|	0.06
159.083	0.00	0.03	0.084	O	|	|	|	|	0.06
159.167	0.00	0.03	0.084	O	|	|	|	|	0.06
159.250	0.00	0.03	0.084	O	|	|	|	|	0.06
159.333	0.00	0.03	0.084	O	|	|	|	|	0.06
159.417	0.00	0.03	0.083	O	|	|	|	|	0.06
159.500	0.00	0.03	0.083	O	|	|	|	|	0.06
159.583	0.00	0.03	0.083	O	|	|	|	|	0.06
159.667	0.00	0.03	0.083	O	|	|	|	|	0.06
159.750	0.00	0.03	0.083	O	|	|	|	|	0.06
159.833	0.00	0.03	0.082	O	|	|	|	|	0.06
159.917	0.00	0.03	0.082	O	|	|	|	|	0.06
160.000	0.00	0.03	0.082	O	|	|	|	|	0.06
160.083	0.00	0.03	0.082	O	|	|	|	|	0.06
160.167	0.00	0.03	0.082	O	|	|	|	|	0.06
160.250	0.00	0.03	0.081	O	|	|	|	|	0.06
160.333	0.00	0.03	0.081	O	|	|	|	|	0.06
160.417	0.00	0.03	0.081	O	|	|	|	|	0.06
160.500	0.00	0.03	0.081	O	|	|	|	|	0.06
160.583	0.00	0.03	0.081	O	|	|	|	|	0.06
160.667	0.00	0.03	0.081	O	|	|	|	|	0.06
160.750	0.00	0.03	0.080	O	|	|	|	|	0.06
160.833	0.00	0.03	0.080	O	|	|	|	|	0.06
160.917	0.00	0.03	0.080	O	|	|	|	|	0.06
161.000	0.00	0.03	0.080	O	|	|	|	|	0.06
161.083	0.00	0.03	0.080	O	|	|	|	|	0.05
161.167	0.00	0.03	0.080	O	|	|	|	|	0.05
161.250	0.00	0.03	0.079	O	|	|	|	|	0.05
161.333	0.00	0.03	0.079	O	|	|	|	|	0.05
161.417	0.00	0.03	0.079	O	|	|	|	|	0.05
161.500	0.00	0.03	0.079	O	|	|	|	|	0.05
161.583	0.00	0.03	0.079	O	|	|	|	|	0.05
161.667	0.00	0.03	0.078	O	|	|	|	|	0.05
161.750	0.00	0.03	0.078	O	|	|	|	|	0.05
161.833	0.00	0.03	0.078	O	|	|	|	|	0.05
161.917	0.00	0.03	0.078	O	|	|	|	|	0.05
162.000	0.00	0.03	0.078	O	|	|	|	|	0.05

162.083	0.00	0.03	0.078	O	|	|	|	0.05
162.167	0.00	0.03	0.077	O	|	|	|	0.05
162.250	0.00	0.03	0.077	O	|	|	|	0.05
162.333	0.00	0.02	0.077	O	|	|	|	0.05
162.417	0.00	0.02	0.077	O	|	|	|	0.05
162.500	0.00	0.02	0.077	O	|	|	|	0.05
162.583	0.00	0.02	0.077	O	|	|	|	0.05
162.667	0.00	0.02	0.076	O	|	|	|	0.05
162.750	0.00	0.02	0.076	O	|	|	|	0.05
162.833	0.00	0.02	0.076	O	|	|	|	0.05
162.917	0.00	0.02	0.076	O	|	|	|	0.05
163.000	0.00	0.02	0.076	O	|	|	|	0.05
163.083	0.00	0.02	0.076	O	|	|	|	0.05
163.167	0.00	0.02	0.075	O	|	|	|	0.05
163.250	0.00	0.02	0.075	O	|	|	|	0.05
163.333	0.00	0.02	0.075	O	|	|	|	0.05
163.417	0.00	0.02	0.075	O	|	|	|	0.05
163.500	0.00	0.02	0.075	O	|	|	|	0.05
163.583	0.00	0.02	0.075	O	|	|	|	0.05
163.667	0.00	0.02	0.074	O	|	|	|	0.05
163.750	0.00	0.02	0.074	O	|	|	|	0.05
163.833	0.00	0.02	0.074	O	|	|	|	0.05
163.917	0.00	0.02	0.074	O	|	|	|	0.05
164.000	0.00	0.02	0.074	O	|	|	|	0.05
164.083	0.00	0.02	0.074	O	|	|	|	0.05
164.167	0.00	0.02	0.073	O	|	|	|	0.05
164.250	0.00	0.02	0.073	O	|	|	|	0.05
164.333	0.00	0.02	0.073	O	|	|	|	0.05
164.417	0.00	0.02	0.073	O	|	|	|	0.05
164.500	0.00	0.02	0.073	O	|	|	|	0.05
164.583	0.00	0.02	0.073	O	|	|	|	0.05
164.667	0.00	0.02	0.072	O	|	|	|	0.05
164.750	0.00	0.02	0.072	O	|	|	|	0.05
164.833	0.00	0.02	0.072	O	|	|	|	0.05
164.917	0.00	0.02	0.072	O	|	|	|	0.05
165.000	0.00	0.02	0.072	O	|	|	|	0.05
165.083	0.00	0.02	0.072	O	|	|	|	0.05
165.167	0.00	0.02	0.071	O	|	|	|	0.05
165.250	0.00	0.02	0.071	O	|	|	|	0.05
165.333	0.00	0.02	0.071	O	|	|	|	0.05
165.417	0.00	0.02	0.071	O	|	|	|	0.05
165.500	0.00	0.02	0.071	O	|	|	|	0.05
165.583	0.00	0.02	0.071	O	|	|	|	0.05
165.667	0.00	0.02	0.070	O	|	|	|	0.05
165.750	0.00	0.02	0.070	O	|	|	|	0.05
165.833	0.00	0.02	0.070	O	|	|	|	0.05
165.917	0.00	0.02	0.070	O	|	|	|	0.05
166.000	0.00	0.02	0.070	O	|	|	|	0.05
166.083	0.00	0.02	0.070	O	|	|	|	0.05
166.167	0.00	0.02	0.070	O	|	|	|	0.05
166.250	0.00	0.02	0.069	O	|	|	|	0.05
166.333	0.00	0.02	0.069	O	|	|	|	0.05
166.417	0.00	0.02	0.069	O	|	|	|	0.05
166.500	0.00	0.02	0.069	O	|	|	|	0.05
166.583	0.00	0.02	0.069	O	|	|	|	0.05
166.667	0.00	0.02	0.069	O	|	|	|	0.05
166.750	0.00	0.02	0.068	O	|	|	|	0.05
166.833	0.00	0.02	0.068	O	|	|	|	0.05
166.917	0.00	0.02	0.068	O	|	|	|	0.05
167.000	0.00	0.02	0.068	O	|	|	|	0.05
167.083	0.00	0.02	0.068	O	|	|	|	0.05
167.167	0.00	0.02	0.068	O	|	|	|	0.05
167.250	0.00	0.02	0.068	O	|	|	|	0.05
167.333	0.00	0.02	0.067	O	|	|	|	0.05
167.417	0.00	0.02	0.067	O	|	|	|	0.05
167.500	0.00	0.02	0.067	O	|	|	|	0.05
167.583	0.00	0.02	0.067	O	|	|	|	0.05

167.667	0.00	0.02	0.067	O	|	|	|	0.05
167.750	0.00	0.02	0.067	O	|	|	|	0.05
167.833	0.00	0.02	0.067	O	|	|	|	0.05
167.917	0.00	0.02	0.066	O	|	|	|	0.05
168.000	0.00	0.02	0.066	O	|	|	|	0.05
168.083	0.00	0.02	0.066	O	|	|	|	0.05
168.167	0.00	0.02	0.066	O	|	|	|	0.05
168.250	0.00	0.02	0.066	O	|	|	|	0.05
168.333	0.00	0.02	0.066	O	|	|	|	0.05
168.417	0.00	0.02	0.065	O	|	|	|	0.05
168.500	0.00	0.02	0.065	O	|	|	|	0.05
168.583	0.00	0.02	0.065	O	|	|	|	0.04
168.667	0.00	0.02	0.065	O	|	|	|	0.04
168.750	0.00	0.02	0.065	O	|	|	|	0.04
168.833	0.00	0.02	0.065	O	|	|	|	0.04
168.917	0.00	0.02	0.065	O	|	|	|	0.04
169.000	0.00	0.02	0.064	O	|	|	|	0.04
169.083	0.00	0.02	0.064	O	|	|	|	0.04
169.167	0.00	0.02	0.064	O	|	|	|	0.04
169.250	0.00	0.02	0.064	O	|	|	|	0.04
169.333	0.00	0.02	0.064	O	|	|	|	0.04
169.417	0.00	0.02	0.064	O	|	|	|	0.04
169.500	0.00	0.02	0.064	O	|	|	|	0.04
169.583	0.00	0.02	0.063	O	|	|	|	0.04
169.667	0.00	0.02	0.063	O	|	|	|	0.04
169.750	0.00	0.02	0.063	O	|	|	|	0.04
169.833	0.00	0.02	0.063	O	|	|	|	0.04
169.917	0.00	0.02	0.063	O	|	|	|	0.04
170.000	0.00	0.02	0.063	O	|	|	|	0.04
170.083	0.00	0.02	0.063	O	|	|	|	0.04
170.167	0.00	0.02	0.062	O	|	|	|	0.04
170.250	0.00	0.02	0.062	O	|	|	|	0.04
170.333	0.00	0.02	0.062	O	|	|	|	0.04
170.417	0.00	0.02	0.062	O	|	|	|	0.04
170.500	0.00	0.02	0.062	O	|	|	|	0.04
170.583	0.00	0.02	0.062	O	|	|	|	0.04
170.667	0.00	0.02	0.062	O	|	|	|	0.04
170.750	0.00	0.02	0.062	O	|	|	|	0.04
170.833	0.00	0.02	0.061	O	|	|	|	0.04
170.917	0.00	0.02	0.061	O	|	|	|	0.04
171.000	0.00	0.02	0.061	O	|	|	|	0.04
171.083	0.00	0.02	0.061	O	|	|	|	0.04
171.167	0.00	0.02	0.061	O	|	|	|	0.04
171.250	0.00	0.02	0.061	O	|	|	|	0.04
171.333	0.00	0.02	0.061	O	|	|	|	0.04
171.417	0.00	0.02	0.060	O	|	|	|	0.04
171.500	0.00	0.02	0.060	O	|	|	|	0.04
171.583	0.00	0.02	0.060	O	|	|	|	0.04
171.667	0.00	0.02	0.060	O	|	|	|	0.04
171.750	0.00	0.02	0.060	O	|	|	|	0.04
171.833	0.00	0.02	0.060	O	|	|	|	0.04
171.917	0.00	0.02	0.060	O	|	|	|	0.04
172.000	0.00	0.02	0.059	O	|	|	|	0.04
172.083	0.00	0.02	0.059	O	|	|	|	0.04
172.167	0.00	0.02	0.059	O	|	|	|	0.04
172.250	0.00	0.02	0.059	O	|	|	|	0.04
172.333	0.00	0.02	0.059	O	|	|	|	0.04
172.417	0.00	0.02	0.059	O	|	|	|	0.04
172.500	0.00	0.02	0.059	O	|	|	|	0.04
172.583	0.00	0.02	0.059	O	|	|	|	0.04
172.667	0.00	0.02	0.058	O	|	|	|	0.04
172.750	0.00	0.02	0.058	O	|	|	|	0.04
172.833	0.00	0.02	0.058	O	|	|	|	0.04
172.917	0.00	0.02	0.058	O	|	|	|	0.04
173.000	0.00	0.02	0.058	O	|	|	|	0.04
173.083	0.00	0.02	0.058	O	|	|	|	0.04
173.167	0.00	0.02	0.058	O	|	|	|	0.04

173.250	0.00	0.02	0.058	O	|	|	|	|	0.04
173.333	0.00	0.02	0.057	O	|	|	|	|	0.04
173.417	0.00	0.02	0.057	O	|	|	|	|	0.04
173.500	0.00	0.02	0.057	O	|	|	|	|	0.04
173.583	0.00	0.02	0.057	O	|	|	|	|	0.04
173.667	0.00	0.02	0.057	O	|	|	|	|	0.04
173.750	0.00	0.02	0.057	O	|	|	|	|	0.04
173.833	0.00	0.02	0.057	O	|	|	|	|	0.04
173.917	0.00	0.02	0.057	O	|	|	|	|	0.04
174.000	0.00	0.02	0.056	O	|	|	|	|	0.04
174.083	0.00	0.02	0.056	O	|	|	|	|	0.04
174.167	0.00	0.02	0.056	O	|	|	|	|	0.04
174.250	0.00	0.02	0.056	O	|	|	|	|	0.04
174.333	0.00	0.02	0.056	O	|	|	|	|	0.04
174.417	0.00	0.02	0.056	O	|	|	|	|	0.04
174.500	0.00	0.02	0.056	O	|	|	|	|	0.04
174.583	0.00	0.02	0.056	O	|	|	|	|	0.04
174.667	0.00	0.02	0.055	O	|	|	|	|	0.04
174.750	0.00	0.02	0.055	O	|	|	|	|	0.04
174.833	0.00	0.02	0.055	O	|	|	|	|	0.04
174.917	0.00	0.02	0.055	O	|	|	|	|	0.04
175.000	0.00	0.02	0.055	O	|	|	|	|	0.04
175.083	0.00	0.02	0.055	O	|	|	|	|	0.04
175.167	0.00	0.02	0.055	O	|	|	|	|	0.04
175.250	0.00	0.02	0.055	O	|	|	|	|	0.04
175.333	0.00	0.02	0.054	O	|	|	|	|	0.04
175.417	0.00	0.02	0.054	O	|	|	|	|	0.04
175.500	0.00	0.02	0.054	O	|	|	|	|	0.04
175.583	0.00	0.02	0.054	O	|	|	|	|	0.04
175.667	0.00	0.02	0.054	O	|	|	|	|	0.04
175.750	0.00	0.02	0.054	O	|	|	|	|	0.04
175.833	0.00	0.02	0.054	O	|	|	|	|	0.04
175.917	0.00	0.02	0.054	O	|	|	|	|	0.04
176.000	0.00	0.02	0.053	O	|	|	|	|	0.04
176.083	0.00	0.02	0.053	O	|	|	|	|	0.04
176.167	0.00	0.02	0.053	O	|	|	|	|	0.04
176.250	0.00	0.02	0.053	O	|	|	|	|	0.04
176.333	0.00	0.02	0.053	O	|	|	|	|	0.04
176.417	0.00	0.02	0.053	O	|	|	|	|	0.04
176.500	0.00	0.02	0.053	O	|	|	|	|	0.04
176.583	0.00	0.02	0.053	O	|	|	|	|	0.04
176.667	0.00	0.02	0.052	O	|	|	|	|	0.04
176.750	0.00	0.02	0.052	O	|	|	|	|	0.04
176.833	0.00	0.02	0.052	O	|	|	|	|	0.04
176.917	0.00	0.02	0.052	O	|	|	|	|	0.04
177.000	0.00	0.02	0.052	O	|	|	|	|	0.04
177.083	0.00	0.02	0.052	O	|	|	|	|	0.04
177.167	0.00	0.02	0.052	O	|	|	|	|	0.04
177.250	0.00	0.02	0.052	O	|	|	|	|	0.04
177.333	0.00	0.02	0.052	O	|	|	|	|	0.04
177.417	0.00	0.02	0.051	O	|	|	|	|	0.04
177.500	0.00	0.02	0.051	O	|	|	|	|	0.04
177.583	0.00	0.02	0.051	O	|	|	|	|	0.04
177.667	0.00	0.02	0.051	O	|	|	|	|	0.04
177.750	0.00	0.02	0.051	O	|	|	|	|	0.04
177.833	0.00	0.02	0.051	O	|	|	|	|	0.04
177.917	0.00	0.02	0.051	O	|	|	|	|	0.04
178.000	0.00	0.02	0.051	O	|	|	|	|	0.03
178.083	0.00	0.02	0.051	O	|	|	|	|	0.03
178.167	0.00	0.02	0.050	O	|	|	|	|	0.03
178.250	0.00	0.02	0.050	O	|	|	|	|	0.03
178.333	0.00	0.02	0.050	O	|	|	|	|	0.03
178.417	0.00	0.02	0.050	O	|	|	|	|	0.03
178.500	0.00	0.02	0.050	O	|	|	|	|	0.03
178.583	0.00	0.02	0.050	O	|	|	|	|	0.03
178.667	0.00	0.02	0.050	O	|	|	|	|	0.03
178.750	0.00	0.02	0.050	O	|	|	|	|	0.03

178.833	0.00	0.02	0.050	O	|	|	|	|	0.03
178.917	0.00	0.02	0.049	O	|	|	|	|	0.03
179.000	0.00	0.02	0.049	O	|	|	|	|	0.03
179.083	0.00	0.02	0.049	O	|	|	|	|	0.03
179.167	0.00	0.02	0.049	O	|	|	|	|	0.03
179.250	0.00	0.02	0.049	O	|	|	|	|	0.03
179.333	0.00	0.02	0.049	O	|	|	|	|	0.03
179.417	0.00	0.02	0.049	O	|	|	|	|	0.03
179.500	0.00	0.02	0.049	O	|	|	|	|	0.03
179.583	0.00	0.02	0.049	O	|	|	|	|	0.03
179.667	0.00	0.02	0.048	O	|	|	|	|	0.03
179.750	0.00	0.02	0.048	O	|	|	|	|	0.03
179.833	0.00	0.02	0.048	O	|	|	|	|	0.03
179.917	0.00	0.02	0.048	O	|	|	|	|	0.03
180.000	0.00	0.02	0.048	O	|	|	|	|	0.03
180.083	0.00	0.02	0.048	O	|	|	|	|	0.03
180.167	0.00	0.02	0.048	O	|	|	|	|	0.03
180.250	0.00	0.02	0.048	O	|	|	|	|	0.03
180.333	0.00	0.02	0.048	O	|	|	|	|	0.03
180.417	0.00	0.02	0.047	O	|	|	|	|	0.03
180.500	0.00	0.02	0.047	O	|	|	|	|	0.03
180.583	0.00	0.02	0.047	O	|	|	|	|	0.03
180.667	0.00	0.02	0.047	O	|	|	|	|	0.03
180.750	0.00	0.02	0.047	O	|	|	|	|	0.03
180.833	0.00	0.02	0.047	O	|	|	|	|	0.03
180.917	0.00	0.02	0.047	O	|	|	|	|	0.03
181.000	0.00	0.02	0.047	O	|	|	|	|	0.03
181.083	0.00	0.02	0.047	O	|	|	|	|	0.03
181.167	0.00	0.02	0.047	O	|	|	|	|	0.03
181.250	0.00	0.02	0.046	O	|	|	|	|	0.03
181.333	0.00	0.02	0.046	O	|	|	|	|	0.03
181.417	0.00	0.01	0.046	O	|	|	|	|	0.03
181.500	0.00	0.01	0.046	O	|	|	|	|	0.03
181.583	0.00	0.01	0.046	O	|	|	|	|	0.03
181.667	0.00	0.01	0.046	O	|	|	|	|	0.03
181.750	0.00	0.01	0.046	O	|	|	|	|	0.03
181.833	0.00	0.01	0.046	O	|	|	|	|	0.03
181.917	0.00	0.01	0.046	O	|	|	|	|	0.03
182.000	0.00	0.01	0.046	O	|	|	|	|	0.03
182.083	0.00	0.01	0.045	O	|	|	|	|	0.03
182.167	0.00	0.01	0.045	O	|	|	|	|	0.03
182.250	0.00	0.01	0.045	O	|	|	|	|	0.03
182.333	0.00	0.01	0.045	O	|	|	|	|	0.03
182.417	0.00	0.01	0.045	O	|	|	|	|	0.03
182.500	0.00	0.01	0.045	O	|	|	|	|	0.03
182.583	0.00	0.01	0.045	O	|	|	|	|	0.03
182.667	0.00	0.01	0.045	O	|	|	|	|	0.03
182.750	0.00	0.01	0.045	O	|	|	|	|	0.03
182.833	0.00	0.01	0.045	O	|	|	|	|	0.03
182.917	0.00	0.01	0.044	O	|	|	|	|	0.03
183.000	0.00	0.01	0.044	O	|	|	|	|	0.03
183.083	0.00	0.01	0.044	O	|	|	|	|	0.03
183.167	0.00	0.01	0.044	O	|	|	|	|	0.03
183.250	0.00	0.01	0.044	O	|	|	|	|	0.03
183.333	0.00	0.01	0.044	O	|	|	|	|	0.03
183.417	0.00	0.01	0.044	O	|	|	|	|	0.03
183.500	0.00	0.01	0.044	O	|	|	|	|	0.03
183.583	0.00	0.01	0.044	O	|	|	|	|	0.03
183.667	0.00	0.01	0.044	O	|	|	|	|	0.03
183.750	0.00	0.01	0.043	O	|	|	|	|	0.03
183.833	0.00	0.01	0.043	O	|	|	|	|	0.03
183.917	0.00	0.01	0.043	O	|	|	|	|	0.03
184.000	0.00	0.01	0.043	O	|	|	|	|	0.03
184.083	0.00	0.01	0.043	O	|	|	|	|	0.03
184.167	0.00	0.01	0.043	O	|	|	|	|	0.03
184.250	0.00	0.01	0.043	O	|	|	|	|	0.03
184.333	0.00	0.01	0.043	O	|	|	|	|	0.03

184.417	0.00	0.01	0.043	O	|	|	|	|	0.03
184.500	0.00	0.01	0.043	O	|	|	|	|	0.03
184.583	0.00	0.01	0.042	O	|	|	|	|	0.03
184.667	0.00	0.01	0.042	O	|	|	|	|	0.03
184.750	0.00	0.01	0.042	O	|	|	|	|	0.03
184.833	0.00	0.01	0.042	O	|	|	|	|	0.03
184.917	0.00	0.01	0.042	O	|	|	|	|	0.03
185.000	0.00	0.01	0.042	O	|	|	|	|	0.03
185.083	0.00	0.01	0.042	O	|	|	|	|	0.03
185.167	0.00	0.01	0.042	O	|	|	|	|	0.03
185.250	0.00	0.01	0.042	O	|	|	|	|	0.03
185.333	0.00	0.01	0.042	O	|	|	|	|	0.03
185.417	0.00	0.01	0.042	O	|	|	|	|	0.03
185.500	0.00	0.01	0.041	O	|	|	|	|	0.03
185.583	0.00	0.01	0.041	O	|	|	|	|	0.03
185.667	0.00	0.01	0.041	O	|	|	|	|	0.03
185.750	0.00	0.01	0.041	O	|	|	|	|	0.03
185.833	0.00	0.01	0.041	O	|	|	|	|	0.03
185.917	0.00	0.01	0.041	O	|	|	|	|	0.03
186.000	0.00	0.01	0.041	O	|	|	|	|	0.03
186.083	0.00	0.01	0.041	O	|	|	|	|	0.03
186.167	0.00	0.01	0.041	O	|	|	|	|	0.03
186.250	0.00	0.01	0.041	O	|	|	|	|	0.03
186.333	0.00	0.01	0.041	O	|	|	|	|	0.03
186.417	0.00	0.01	0.040	O	|	|	|	|	0.03
186.500	0.00	0.01	0.040	O	|	|	|	|	0.03
186.583	0.00	0.01	0.040	O	|	|	|	|	0.03
186.667	0.00	0.01	0.040	O	|	|	|	|	0.03
186.750	0.00	0.01	0.040	O	|	|	|	|	0.03
186.833	0.00	0.01	0.040	O	|	|	|	|	0.03
186.917	0.00	0.01	0.040	O	|	|	|	|	0.03
187.000	0.00	0.01	0.040	O	|	|	|	|	0.03
187.083	0.00	0.01	0.040	O	|	|	|	|	0.03
187.167	0.00	0.01	0.040	O	|	|	|	|	0.03
187.250	0.00	0.01	0.040	O	|	|	|	|	0.03
187.333	0.00	0.01	0.039	O	|	|	|	|	0.03
187.417	0.00	0.01	0.039	O	|	|	|	|	0.03
187.500	0.00	0.01	0.039	O	|	|	|	|	0.03
187.583	0.00	0.01	0.039	O	|	|	|	|	0.03
187.667	0.00	0.01	0.039	O	|	|	|	|	0.03
187.750	0.00	0.01	0.039	O	|	|	|	|	0.03
187.833	0.00	0.01	0.039	O	|	|	|	|	0.03
187.917	0.00	0.01	0.039	O	|	|	|	|	0.03
188.000	0.00	0.01	0.039	O	|	|	|	|	0.03
188.083	0.00	0.01	0.039	O	|	|	|	|	0.03
188.167	0.00	0.01	0.039	O	|	|	|	|	0.03
188.250	0.00	0.01	0.038	O	|	|	|	|	0.03
188.333	0.00	0.01	0.038	O	|	|	|	|	0.03
188.417	0.00	0.01	0.038	O	|	|	|	|	0.03
188.500	0.00	0.01	0.038	O	|	|	|	|	0.03
188.583	0.00	0.01	0.038	O	|	|	|	|	0.03
188.667	0.00	0.01	0.038	O	|	|	|	|	0.03
188.750	0.00	0.01	0.038	O	|	|	|	|	0.03
188.833	0.00	0.01	0.038	O	|	|	|	|	0.03
188.917	0.00	0.01	0.038	O	|	|	|	|	0.03
189.000	0.00	0.01	0.038	O	|	|	|	|	0.03
189.083	0.00	0.01	0.038	O	|	|	|	|	0.03
189.167	0.00	0.01	0.038	O	|	|	|	|	0.03
189.250	0.00	0.01	0.037	O	|	|	|	|	0.03
189.333	0.00	0.01	0.037	O	|	|	|	|	0.03
189.417	0.00	0.01	0.037	O	|	|	|	|	0.03
189.500	0.00	0.01	0.037	O	|	|	|	|	0.03
189.583	0.00	0.01	0.037	O	|	|	|	|	0.03
189.667	0.00	0.01	0.037	O	|	|	|	|	0.03
189.750	0.00	0.01	0.037	O	|	|	|	|	0.03
189.833	0.00	0.01	0.037	O	|	|	|	|	0.03
189.917	0.00	0.01	0.037	O	|	|	|	|	0.03

190.000	0.00	0.01	0.037	O	|	|	|	|	0.03
190.083	0.00	0.01	0.037	O	|	|	|	|	0.03
190.167	0.00	0.01	0.037	O	|	|	|	|	0.03
190.250	0.00	0.01	0.036	O	|	|	|	|	0.03
190.333	0.00	0.01	0.036	O	|	|	|	|	0.03
190.417	0.00	0.01	0.036	O	|	|	|	|	0.03
190.500	0.00	0.01	0.036	O	|	|	|	|	0.02
190.583	0.00	0.01	0.036	O	|	|	|	|	0.02
190.667	0.00	0.01	0.036	O	|	|	|	|	0.02
190.750	0.00	0.01	0.036	O	|	|	|	|	0.02
190.833	0.00	0.01	0.036	O	|	|	|	|	0.02
190.917	0.00	0.01	0.036	O	|	|	|	|	0.02
191.000	0.00	0.01	0.036	O	|	|	|	|	0.02
191.083	0.00	0.01	0.036	O	|	|	|	|	0.02
191.167	0.00	0.01	0.036	O	|	|	|	|	0.02
191.250	0.00	0.01	0.036	O	|	|	|	|	0.02
191.333	0.00	0.01	0.035	O	|	|	|	|	0.02
191.417	0.00	0.01	0.035	O	|	|	|	|	0.02
191.500	0.00	0.01	0.035	O	|	|	|	|	0.02
191.583	0.00	0.01	0.035	O	|	|	|	|	0.02
191.667	0.00	0.01	0.035	O	|	|	|	|	0.02
191.750	0.00	0.01	0.035	O	|	|	|	|	0.02
191.833	0.00	0.01	0.035	O	|	|	|	|	0.02
191.917	0.00	0.01	0.035	O	|	|	|	|	0.02
192.000	0.00	0.01	0.035	O	|	|	|	|	0.02
192.083	0.00	0.01	0.035	O	|	|	|	|	0.02
192.167	0.00	0.01	0.035	O	|	|	|	|	0.02
192.250	0.00	0.01	0.035	O	|	|	|	|	0.02
192.333	0.00	0.01	0.035	O	|	|	|	|	0.02
192.417	0.00	0.01	0.034	O	|	|	|	|	0.02
192.500	0.00	0.01	0.034	O	|	|	|	|	0.02
192.583	0.00	0.01	0.034	O	|	|	|	|	0.02
192.667	0.00	0.01	0.034	O	|	|	|	|	0.02
192.750	0.00	0.01	0.034	O	|	|	|	|	0.02
192.833	0.00	0.01	0.034	O	|	|	|	|	0.02
192.917	0.00	0.01	0.034	O	|	|	|	|	0.02
193.000	0.00	0.01	0.034	O	|	|	|	|	0.02
193.083	0.00	0.01	0.034	O	|	|	|	|	0.02
193.167	0.00	0.01	0.034	O	|	|	|	|	0.02
193.250	0.00	0.01	0.034	O	|	|	|	|	0.02
193.333	0.00	0.01	0.034	O	|	|	|	|	0.02
193.417	0.00	0.01	0.034	O	|	|	|	|	0.02
193.500	0.00	0.01	0.033	O	|	|	|	|	0.02
193.583	0.00	0.01	0.033	O	|	|	|	|	0.02
193.667	0.00	0.01	0.033	O	|	|	|	|	0.02
193.750	0.00	0.01	0.033	O	|	|	|	|	0.02
193.833	0.00	0.01	0.033	O	|	|	|	|	0.02
193.917	0.00	0.01	0.033	O	|	|	|	|	0.02
194.000	0.00	0.01	0.033	O	|	|	|	|	0.02
194.083	0.00	0.01	0.033	O	|	|	|	|	0.02
194.167	0.00	0.01	0.033	O	|	|	|	|	0.02
194.250	0.00	0.01	0.033	O	|	|	|	|	0.02
194.333	0.00	0.01	0.033	O	|	|	|	|	0.02
194.417	0.00	0.01	0.033	O	|	|	|	|	0.02
194.500	0.00	0.01	0.033	O	|	|	|	|	0.02
194.583	0.00	0.01	0.032	O	|	|	|	|	0.02
194.667	0.00	0.01	0.032	O	|	|	|	|	0.02
194.750	0.00	0.01	0.032	O	|	|	|	|	0.02
194.833	0.00	0.01	0.032	O	|	|	|	|	0.02
194.917	0.00	0.01	0.032	O	|	|	|	|	0.02
195.000	0.00	0.01	0.032	O	|	|	|	|	0.02
195.083	0.00	0.01	0.032	O	|	|	|	|	0.02
195.167	0.00	0.01	0.032	O	|	|	|	|	0.02
195.250	0.00	0.01	0.032	O	|	|	|	|	0.02
195.333	0.00	0.01	0.032	O	|	|	|	|	0.02
195.417	0.00	0.01	0.032	O	|	|	|	|	0.02
195.500	0.00	0.01	0.032	O	|	|	|	|	0.02

195.583	0.00	0.01	0.032	O	|	|	|	|	0.02
195.667	0.00	0.01	0.032	O	|	|	|	|	0.02
195.750	0.00	0.01	0.031	O	|	|	|	|	0.02
195.833	0.00	0.01	0.031	O	|	|	|	|	0.02
195.917	0.00	0.01	0.031	O	|	|	|	|	0.02
196.000	0.00	0.01	0.031	O	|	|	|	|	0.02
196.083	0.00	0.01	0.031	O	|	|	|	|	0.02
196.167	0.00	0.01	0.031	O	|	|	|	|	0.02
196.250	0.00	0.01	0.031	O	|	|	|	|	0.02
196.333	0.00	0.01	0.031	O	|	|	|	|	0.02
196.417	0.00	0.01	0.031	O	|	|	|	|	0.02
196.500	0.00	0.01	0.031	O	|	|	|	|	0.02
196.583	0.00	0.01	0.031	O	|	|	|	|	0.02
196.667	0.00	0.01	0.031	O	|	|	|	|	0.02
196.750	0.00	0.01	0.031	O	|	|	|	|	0.02
196.833	0.00	0.01	0.031	O	|	|	|	|	0.02
196.917	0.00	0.01	0.031	O	|	|	|	|	0.02
197.000	0.00	0.01	0.030	O	|	|	|	|	0.02
197.083	0.00	0.01	0.030	O	|	|	|	|	0.02
197.167	0.00	0.01	0.030	O	|	|	|	|	0.02
197.250	0.00	0.01	0.030	O	|	|	|	|	0.02
197.333	0.00	0.01	0.030	O	|	|	|	|	0.02
197.417	0.00	0.01	0.030	O	|	|	|	|	0.02
197.500	0.00	0.01	0.030	O	|	|	|	|	0.02
197.583	0.00	0.01	0.030	O	|	|	|	|	0.02
197.667	0.00	0.01	0.030	O	|	|	|	|	0.02
197.750	0.00	0.01	0.030	O	|	|	|	|	0.02
197.833	0.00	0.01	0.030	O	|	|	|	|	0.02
197.917	0.00	0.01	0.030	O	|	|	|	|	0.02
198.000	0.00	0.01	0.030	O	|	|	|	|	0.02
198.083	0.00	0.01	0.030	O	|	|	|	|	0.02
198.167	0.00	0.01	0.030	O	|	|	|	|	0.02
198.250	0.00	0.01	0.029	O	|	|	|	|	0.02
198.333	0.00	0.01	0.029	O	|	|	|	|	0.02
198.417	0.00	0.01	0.029	O	|	|	|	|	0.02
198.500	0.00	0.01	0.029	O	|	|	|	|	0.02
198.583	0.00	0.01	0.029	O	|	|	|	|	0.02
198.667	0.00	0.01	0.029	O	|	|	|	|	0.02
198.750	0.00	0.01	0.029	O	|	|	|	|	0.02
198.833	0.00	0.01	0.029	O	|	|	|	|	0.02
198.917	0.00	0.01	0.029	O	|	|	|	|	0.02
199.000	0.00	0.01	0.029	O	|	|	|	|	0.02
199.083	0.00	0.01	0.029	O	|	|	|	|	0.02
199.167	0.00	0.01	0.029	O	|	|	|	|	0.02
199.250	0.00	0.01	0.029	O	|	|	|	|	0.02
199.333	0.00	0.01	0.029	O	|	|	|	|	0.02
199.417	0.00	0.01	0.029	O	|	|	|	|	0.02
199.500	0.00	0.01	0.028	O	|	|	|	|	0.02
199.583	0.00	0.01	0.028	O	|	|	|	|	0.02
199.667	0.00	0.01	0.028	O	|	|	|	|	0.02
199.750	0.00	0.01	0.028	O	|	|	|	|	0.02
199.833	0.00	0.01	0.028	O	|	|	|	|	0.02
199.917	0.00	0.01	0.028	O	|	|	|	|	0.02
200.000	0.00	0.01	0.028	O	|	|	|	|	0.02
200.083	0.00	0.01	0.028	O	|	|	|	|	0.02
200.167	0.00	0.01	0.028	O	|	|	|	|	0.02
200.250	0.00	0.01	0.028	O	|	|	|	|	0.02
200.333	0.00	0.01	0.028	O	|	|	|	|	0.02
200.417	0.00	0.01	0.028	O	|	|	|	|	0.02
200.500	0.00	0.01	0.028	O	|	|	|	|	0.02
200.583	0.00	0.01	0.028	O	|	|	|	|	0.02
200.667	0.00	0.01	0.028	O	|	|	|	|	0.02
200.750	0.00	0.01	0.028	O	|	|	|	|	0.02
200.833	0.00	0.01	0.027	O	|	|	|	|	0.02
200.917	0.00	0.01	0.027	O	|	|	|	|	0.02
201.000	0.00	0.01	0.027	O	|	|	|	|	0.02
201.083	0.00	0.01	0.027	O	|	|	|	|	0.02

201.167	0.00	0.01	0.027	O	|	|	|	|	0.02
201.250	0.00	0.01	0.027	O	|	|	|	|	0.02
201.333	0.00	0.01	0.027	O	|	|	|	|	0.02
201.417	0.00	0.01	0.027	O	|	|	|	|	0.02
201.500	0.00	0.01	0.027	O	|	|	|	|	0.02
201.583	0.00	0.01	0.027	O	|	|	|	|	0.02
201.667	0.00	0.01	0.027	O	|	|	|	|	0.02
201.750	0.00	0.01	0.027	O	|	|	|	|	0.02
201.833	0.00	0.01	0.027	O	|	|	|	|	0.02
201.917	0.00	0.01	0.027	O	|	|	|	|	0.02
202.000	0.00	0.01	0.027	O	|	|	|	|	0.02
202.083	0.00	0.01	0.027	O	|	|	|	|	0.02
202.167	0.00	0.01	0.027	O	|	|	|	|	0.02
202.250	0.00	0.01	0.026	O	|	|	|	|	0.02
202.333	0.00	0.01	0.026	O	|	|	|	|	0.02
202.417	0.00	0.01	0.026	O	|	|	|	|	0.02
202.500	0.00	0.01	0.026	O	|	|	|	|	0.02
202.583	0.00	0.01	0.026	O	|	|	|	|	0.02
202.667	0.00	0.01	0.026	O	|	|	|	|	0.02
202.750	0.00	0.01	0.026	O	|	|	|	|	0.02
202.833	0.00	0.01	0.026	O	|	|	|	|	0.02
202.917	0.00	0.01	0.026	O	|	|	|	|	0.02
203.000	0.00	0.01	0.026	O	|	|	|	|	0.02
203.083	0.00	0.01	0.026	O	|	|	|	|	0.02
203.167	0.00	0.01	0.026	O	|	|	|	|	0.02
203.250	0.00	0.01	0.026	O	|	|	|	|	0.02
203.333	0.00	0.01	0.026	O	|	|	|	|	0.02
203.417	0.00	0.01	0.026	O	|	|	|	|	0.02
203.500	0.00	0.01	0.026	O	|	|	|	|	0.02
203.583	0.00	0.01	0.026	O	|	|	|	|	0.02
203.667	0.00	0.01	0.025	O	|	|	|	|	0.02
203.750	0.00	0.01	0.025	O	|	|	|	|	0.02
203.833	0.00	0.01	0.025	O	|	|	|	|	0.02
203.917	0.00	0.01	0.025	O	|	|	|	|	0.02
204.000	0.00	0.01	0.025	O	|	|	|	|	0.02
204.083	0.00	0.01	0.025	O	|	|	|	|	0.02
204.167	0.00	0.01	0.025	O	|	|	|	|	0.02
204.250	0.00	0.01	0.025	O	|	|	|	|	0.02
204.333	0.00	0.01	0.025	O	|	|	|	|	0.02
204.417	0.00	0.01	0.025	O	|	|	|	|	0.02
204.500	0.00	0.01	0.025	O	|	|	|	|	0.02
204.583	0.00	0.01	0.025	O	|	|	|	|	0.02
204.667	0.00	0.01	0.025	O	|	|	|	|	0.02
204.750	0.00	0.01	0.025	O	|	|	|	|	0.02
204.833	0.00	0.01	0.025	O	|	|	|	|	0.02
204.917	0.00	0.01	0.025	O	|	|	|	|	0.02
205.000	0.00	0.01	0.025	O	|	|	|	|	0.02
205.083	0.00	0.01	0.025	O	|	|	|	|	0.02
205.167	0.00	0.01	0.024	O	|	|	|	|	0.02
205.250	0.00	0.01	0.024	O	|	|	|	|	0.02
205.333	0.00	0.01	0.024	O	|	|	|	|	0.02
205.417	0.00	0.01	0.024	O	|	|	|	|	0.02
205.500	0.00	0.01	0.024	O	|	|	|	|	0.02
205.583	0.00	0.01	0.024	O	|	|	|	|	0.02
205.667	0.00	0.01	0.024	O	|	|	|	|	0.02
205.750	0.00	0.01	0.024	O	|	|	|	|	0.02
205.833	0.00	0.01	0.024	O	|	|	|	|	0.02
205.917	0.00	0.01	0.024	O	|	|	|	|	0.02
206.000	0.00	0.01	0.024	O	|	|	|	|	0.02
206.083	0.00	0.01	0.024	O	|	|	|	|	0.02
206.167	0.00	0.01	0.024	O	|	|	|	|	0.02
206.250	0.00	0.01	0.024	O	|	|	|	|	0.02
206.333	0.00	0.01	0.024	O	|	|	|	|	0.02
206.417	0.00	0.01	0.024	O	|	|	|	|	0.02
206.500	0.00	0.01	0.024	O	|	|	|	|	0.02
206.583	0.00	0.01	0.024	O	|	|	|	|	0.02
206.667	0.00	0.01	0.024	O	|	|	|	|	0.02

206.750	0.00	0.01	0.023	O	|	|	|	|	0.02
206.833	0.00	0.01	0.023	O	|	|	|	|	0.02
206.917	0.00	0.01	0.023	O	|	|	|	|	0.02
207.000	0.00	0.01	0.023	O	|	|	|	|	0.02
207.083	0.00	0.01	0.023	O	|	|	|	|	0.02
207.167	0.00	0.01	0.023	O	|	|	|	|	0.02
207.250	0.00	0.01	0.023	O	|	|	|	|	0.02
207.333	0.00	0.01	0.023	O	|	|	|	|	0.02
207.417	0.00	0.01	0.023	O	|	|	|	|	0.02
207.500	0.00	0.01	0.023	O	|	|	|	|	0.02
207.583	0.00	0.01	0.023	O	|	|	|	|	0.02
207.667	0.00	0.01	0.023	O	|	|	|	|	0.02
207.750	0.00	0.01	0.023	O	|	|	|	|	0.02
207.833	0.00	0.01	0.023	O	|	|	|	|	0.02
207.917	0.00	0.01	0.023	O	|	|	|	|	0.02
208.000	0.00	0.01	0.023	O	|	|	|	|	0.02
208.083	0.00	0.01	0.023	O	|	|	|	|	0.02
208.167	0.00	0.01	0.023	O	|	|	|	|	0.02
208.250	0.00	0.01	0.023	O	|	|	|	|	0.02
208.333	0.00	0.01	0.022	O	|	|	|	|	0.02
208.417	0.00	0.01	0.022	O	|	|	|	|	0.02
208.500	0.00	0.01	0.022	O	|	|	|	|	0.02
208.583	0.00	0.01	0.022	O	|	|	|	|	0.02
208.667	0.00	0.01	0.022	O	|	|	|	|	0.02
208.750	0.00	0.01	0.022	O	|	|	|	|	0.02
208.833	0.00	0.01	0.022	O	|	|	|	|	0.02
208.917	0.00	0.01	0.022	O	|	|	|	|	0.02
209.000	0.00	0.01	0.022	O	|	|	|	|	0.02
209.083	0.00	0.01	0.022	O	|	|	|	|	0.02
209.167	0.00	0.01	0.022	O	|	|	|	|	0.02
209.250	0.00	0.01	0.022	O	|	|	|	|	0.02
209.333	0.00	0.01	0.022	O	|	|	|	|	0.02
209.417	0.00	0.01	0.022	O	|	|	|	|	0.02
209.500	0.00	0.01	0.022	O	|	|	|	|	0.02
209.583	0.00	0.01	0.022	O	|	|	|	|	0.01
209.667	0.00	0.01	0.022	O	|	|	|	|	0.01
209.750	0.00	0.01	0.022	O	|	|	|	|	0.01
209.833	0.00	0.01	0.022	O	|	|	|	|	0.01
209.917	0.00	0.01	0.022	O	|	|	|	|	0.01
210.000	0.00	0.01	0.021	O	|	|	|	|	0.01
210.083	0.00	0.01	0.021	O	|	|	|	|	0.01
210.167	0.00	0.01	0.021	O	|	|	|	|	0.01
210.250	0.00	0.01	0.021	O	|	|	|	|	0.01
210.333	0.00	0.01	0.021	O	|	|	|	|	0.01
210.417	0.00	0.01	0.021	O	|	|	|	|	0.01
210.500	0.00	0.01	0.021	O	|	|	|	|	0.01
210.583	0.00	0.01	0.021	O	|	|	|	|	0.01
210.667	0.00	0.01	0.021	O	|	|	|	|	0.01
210.750	0.00	0.01	0.021	O	|	|	|	|	0.01
210.833	0.00	0.01	0.021	O	|	|	|	|	0.01
210.917	0.00	0.01	0.021	O	|	|	|	|	0.01
211.000	0.00	0.01	0.021	O	|	|	|	|	0.01
211.083	0.00	0.01	0.021	O	|	|	|	|	0.01
211.167	0.00	0.01	0.021	O	|	|	|	|	0.01
211.250	0.00	0.01	0.021	O	|	|	|	|	0.01
211.333	0.00	0.01	0.021	O	|	|	|	|	0.01
211.417	0.00	0.01	0.021	O	|	|	|	|	0.01
211.500	0.00	0.01	0.021	O	|	|	|	|	0.01
211.583	0.00	0.01	0.021	O	|	|	|	|	0.01
211.667	0.00	0.01	0.021	O	|	|	|	|	0.01
211.750	0.00	0.01	0.021	O	|	|	|	|	0.01
211.833	0.00	0.01	0.020	O	|	|	|	|	0.01
211.917	0.00	0.01	0.020	O	|	|	|	|	0.01
212.000	0.00	0.01	0.020	O	|	|	|	|	0.01
212.083	0.00	0.01	0.020	O	|	|	|	|	0.01
212.167	0.00	0.01	0.020	O	|	|	|	|	0.01
212.250	0.00	0.01	0.020	O	|	|	|	|	0.01

212.333	0.00	0.01	0.020	O	|	|	|	|	0.01
212.417	0.00	0.01	0.020	O	|	|	|	|	0.01
212.500	0.00	0.01	0.020	O	|	|	|	|	0.01
212.583	0.00	0.01	0.020	O	|	|	|	|	0.01
212.667	0.00	0.01	0.020	O	|	|	|	|	0.01
212.750	0.00	0.01	0.020	O	|	|	|	|	0.01
212.833	0.00	0.01	0.020	O	|	|	|	|	0.01
212.917	0.00	0.01	0.020	O	|	|	|	|	0.01
213.000	0.00	0.01	0.020	O	|	|	|	|	0.01
213.083	0.00	0.01	0.020	O	|	|	|	|	0.01
213.167	0.00	0.01	0.020	O	|	|	|	|	0.01
213.250	0.00	0.01	0.020	O	|	|	|	|	0.01
213.333	0.00	0.01	0.020	O	|	|	|	|	0.01
213.417	0.00	0.01	0.020	O	|	|	|	|	0.01
213.500	0.00	0.01	0.020	O	|	|	|	|	0.01
213.583	0.00	0.01	0.020	O	|	|	|	|	0.01
213.667	0.00	0.01	0.019	O	|	|	|	|	0.01
213.750	0.00	0.01	0.019	O	|	|	|	|	0.01
213.833	0.00	0.01	0.019	O	|	|	|	|	0.01
213.917	0.00	0.01	0.019	O	|	|	|	|	0.01
214.000	0.00	0.01	0.019	O	|	|	|	|	0.01
214.083	0.00	0.01	0.019	O	|	|	|	|	0.01
214.167	0.00	0.01	0.019	O	|	|	|	|	0.01
214.250	0.00	0.01	0.019	O	|	|	|	|	0.01
214.333	0.00	0.01	0.019	O	|	|	|	|	0.01
214.417	0.00	0.01	0.019	O	|	|	|	|	0.01
214.500	0.00	0.01	0.019	O	|	|	|	|	0.01
214.583	0.00	0.01	0.019	O	|	|	|	|	0.01
214.667	0.00	0.01	0.019	O	|	|	|	|	0.01
214.750	0.00	0.01	0.019	O	|	|	|	|	0.01
214.833	0.00	0.01	0.019	O	|	|	|	|	0.01
214.917	0.00	0.01	0.019	O	|	|	|	|	0.01
215.000	0.00	0.01	0.019	O	|	|	|	|	0.01
215.083	0.00	0.01	0.019	O	|	|	|	|	0.01
215.167	0.00	0.01	0.019	O	|	|	|	|	0.01
215.250	0.00	0.01	0.019	O	|	|	|	|	0.01
215.333	0.00	0.01	0.019	O	|	|	|	|	0.01
215.417	0.00	0.01	0.019	O	|	|	|	|	0.01
215.500	0.00	0.01	0.019	O	|	|	|	|	0.01
215.583	0.00	0.01	0.019	O	|	|	|	|	0.01
215.667	0.00	0.01	0.018	O	|	|	|	|	0.01
215.750	0.00	0.01	0.018	O	|	|	|	|	0.01
215.833	0.00	0.01	0.018	O	|	|	|	|	0.01
215.917	0.00	0.01	0.018	O	|	|	|	|	0.01
216.000	0.00	0.01	0.018	O	|	|	|	|	0.01
216.083	0.00	0.01	0.018	O	|	|	|	|	0.01
216.167	0.00	0.01	0.018	O	|	|	|	|	0.01
216.250	0.00	0.01	0.018	O	|	|	|	|	0.01
216.333	0.00	0.01	0.018	O	|	|	|	|	0.01
216.417	0.00	0.01	0.018	O	|	|	|	|	0.01
216.500	0.00	0.01	0.018	O	|	|	|	|	0.01
216.583	0.00	0.01	0.018	O	|	|	|	|	0.01
216.667	0.00	0.01	0.018	O	|	|	|	|	0.01
216.750	0.00	0.01	0.018	O	|	|	|	|	0.01
216.833	0.00	0.01	0.018	O	|	|	|	|	0.01
216.917	0.00	0.01	0.018	O	|	|	|	|	0.01
217.000	0.00	0.01	0.018	O	|	|	|	|	0.01
217.083	0.00	0.01	0.018	O	|	|	|	|	0.01
217.167	0.00	0.01	0.018	O	|	|	|	|	0.01
217.250	0.00	0.01	0.018	O	|	|	|	|	0.01
217.333	0.00	0.01	0.018	O	|	|	|	|	0.01
217.417	0.00	0.01	0.018	O	|	|	|	|	0.01
217.500	0.00	0.01	0.018	O	|	|	|	|	0.01
217.583	0.00	0.01	0.018	O	|	|	|	|	0.01
217.667	0.00	0.01	0.018	O	|	|	|	|	0.01
217.750	0.00	0.01	0.017	O	|	|	|	|	0.01
217.833	0.00	0.01	0.017	O	|	|	|	|	0.01

217.917	0.00	0.01	0.017	O	|	|	|	|	0.01
218.000	0.00	0.01	0.017	O	|	|	|	|	0.01
218.083	0.00	0.01	0.017	O	|	|	|	|	0.01
218.167	0.00	0.01	0.017	O	|	|	|	|	0.01
218.250	0.00	0.01	0.017	O	|	|	|	|	0.01
218.333	0.00	0.01	0.017	O	|	|	|	|	0.01
218.417	0.00	0.01	0.017	O	|	|	|	|	0.01
218.500	0.00	0.01	0.017	O	|	|	|	|	0.01
218.583	0.00	0.01	0.017	O	|	|	|	|	0.01
218.667	0.00	0.01	0.017	O	|	|	|	|	0.01
218.750	0.00	0.01	0.017	O	|	|	|	|	0.01
218.833	0.00	0.01	0.017	O	|	|	|	|	0.01
218.917	0.00	0.01	0.017	O	|	|	|	|	0.01
219.000	0.00	0.01	0.017	O	|	|	|	|	0.01
219.083	0.00	0.01	0.017	O	|	|	|	|	0.01
219.167	0.00	0.01	0.017	O	|	|	|	|	0.01
219.250	0.00	0.01	0.017	O	|	|	|	|	0.01
219.333	0.00	0.01	0.017	O	|	|	|	|	0.01
219.417	0.00	0.01	0.017	O	|	|	|	|	0.01
219.500	0.00	0.01	0.017	O	|	|	|	|	0.01
219.583	0.00	0.01	0.017	O	|	|	|	|	0.01
219.667	0.00	0.01	0.017	O	|	|	|	|	0.01
219.750	0.00	0.01	0.017	O	|	|	|	|	0.01
219.833	0.00	0.01	0.017	O	|	|	|	|	0.01
219.917	0.00	0.01	0.016	O	|	|	|	|	0.01
220.000	0.00	0.01	0.016	O	|	|	|	|	0.01
220.083	0.00	0.01	0.016	O	|	|	|	|	0.01
220.167	0.00	0.01	0.016	O	|	|	|	|	0.01
220.250	0.00	0.01	0.016	O	|	|	|	|	0.01
220.333	0.00	0.01	0.016	O	|	|	|	|	0.01
220.417	0.00	0.01	0.016	O	|	|	|	|	0.01
220.500	0.00	0.01	0.016	O	|	|	|	|	0.01
220.583	0.00	0.01	0.016	O	|	|	|	|	0.01
220.667	0.00	0.01	0.016	O	|	|	|	|	0.01
220.750	0.00	0.01	0.016	O	|	|	|	|	0.01
220.833	0.00	0.01	0.016	O	|	|	|	|	0.01
220.917	0.00	0.01	0.016	O	|	|	|	|	0.01
221.000	0.00	0.01	0.016	O	|	|	|	|	0.01
221.083	0.00	0.01	0.016	O	|	|	|	|	0.01
221.167	0.00	0.01	0.016	O	|	|	|	|	0.01
221.250	0.00	0.01	0.016	O	|	|	|	|	0.01
221.333	0.00	0.01	0.016	O	|	|	|	|	0.01
221.417	0.00	0.01	0.016	O	|	|	|	|	0.01
221.500	0.00	0.01	0.016	O	|	|	|	|	0.01
221.583	0.00	0.01	0.016	O	|	|	|	|	0.01
221.667	0.00	0.01	0.016	O	|	|	|	|	0.01
221.750	0.00	0.01	0.016	O	|	|	|	|	0.01
221.833	0.00	0.01	0.016	O	|	|	|	|	0.01
221.917	0.00	0.01	0.016	O	|	|	|	|	0.01
222.000	0.00	0.01	0.016	O	|	|	|	|	0.01
222.083	0.00	0.01	0.016	O	|	|	|	|	0.01
222.167	0.00	0.01	0.016	O	|	|	|	|	0.01
222.250	0.00	0.01	0.015	O	|	|	|	|	0.01
222.333	0.00	0.01	0.015	O	|	|	|	|	0.01
222.417	0.00	0.00	0.015	O	|	|	|	|	0.01
222.500	0.00	0.00	0.015	O	|	|	|	|	0.01
222.583	0.00	0.00	0.015	O	|	|	|	|	0.01
222.667	0.00	0.00	0.015	O	|	|	|	|	0.01
222.750	0.00	0.00	0.015	O	|	|	|	|	0.01
222.833	0.00	0.00	0.015	O	|	|	|	|	0.01
222.917	0.00	0.00	0.015	O	|	|	|	|	0.01
223.000	0.00	0.00	0.015	O	|	|	|	|	0.01
223.083	0.00	0.00	0.015	O	|	|	|	|	0.01
223.167	0.00	0.00	0.015	O	|	|	|	|	0.01
223.250	0.00	0.00	0.015	O	|	|	|	|	0.01
223.333	0.00	0.00	0.015	O	|	|	|	|	0.01
223.417	0.00	0.00	0.015	O	|	|	|	|	0.01

223.500	0.00	0.00	0.015	O					0.01
223.583	0.00	0.00	0.015	O					0.01
223.667	0.00	0.00	0.015	O					0.01
223.750	0.00	0.00	0.015	O					0.01
223.833	0.00	0.00	0.015	O					0.01
223.917	0.00	0.00	0.015	O					0.01
224.000	0.00	0.00	0.015	O					0.01
224.083	0.00	0.00	0.015	O					0.01
224.167	0.00	0.00	0.015	O					0.01
224.250	0.00	0.00	0.015	O					0.01
224.333	0.00	0.00	0.015	O					0.01
224.417	0.00	0.00	0.015	O					0.01
224.500	0.00	0.00	0.015	O					0.01
224.583	0.00	0.00	0.015	O					0.01
224.667	0.00	0.00	0.015	O					0.01
224.750	0.00	0.00	0.014	O					0.01
224.833	0.00	0.00	0.014	O					0.01
224.917	0.00	0.00	0.014	O					0.01
225.000	0.00	0.00	0.014	O					0.01
225.083	0.00	0.00	0.014	O					0.01
225.167	0.00	0.00	0.014	O					0.01
225.250	0.00	0.00	0.014	O					0.01
225.333	0.00	0.00	0.014	O					0.01
225.417	0.00	0.00	0.014	O					0.01
225.500	0.00	0.00	0.014	O					0.01
225.583	0.00	0.00	0.014	O					0.01
225.667	0.00	0.00	0.014	O					0.01
225.750	0.00	0.00	0.014	O					0.01
225.833	0.00	0.00	0.014	O					0.01
225.917	0.00	0.00	0.014	O					0.01
226.000	0.00	0.00	0.014	O					0.01
226.083	0.00	0.00	0.014	O					0.01
226.167	0.00	0.00	0.014	O					0.01
226.250	0.00	0.00	0.014	O					0.01
226.333	0.00	0.00	0.014	O					0.01
226.417	0.00	0.00	0.014	O					0.01
226.500	0.00	0.00	0.014	O					0.01
226.583	0.00	0.00	0.014	O					0.01
226.667	0.00	0.00	0.014	O					0.01
226.750	0.00	0.00	0.014	O					0.01
226.833	0.00	0.00	0.014	O					0.01
226.917	0.00	0.00	0.014	O					0.01
227.000	0.00	0.00	0.014	O					0.01
227.083	0.00	0.00	0.014	O					0.01
227.167	0.00	0.00	0.014	O					0.01
227.250	0.00	0.00	0.014	O					0.01
227.333	0.00	0.00	0.014	O					0.01
227.417	0.00	0.00	0.013	O					0.01
227.500	0.00	0.00	0.013	O					0.01
227.583	0.00	0.00	0.013	O					0.01
227.667	0.00	0.00	0.013	O					0.01
227.750	0.00	0.00	0.013	O					0.01
227.833	0.00	0.00	0.013	O					0.01
227.917	0.00	0.00	0.013	O					0.01
228.000	0.00	0.00	0.013	O					0.01
228.083	0.00	0.00	0.013	O					0.01
228.167	0.00	0.00	0.013	O					0.01
228.250	0.00	0.00	0.013	O					0.01
228.333	0.00	0.00	0.013	O					0.01
228.417	0.00	0.00	0.013	O					0.01
228.500	0.00	0.00	0.013	O					0.01
228.583	0.00	0.00	0.013	O					0.01
228.667	0.00	0.00	0.013	O					0.01
228.750	0.00	0.00	0.013	O					0.01
228.833	0.00	0.00	0.013	O					0.01
228.917	0.00	0.00	0.013	O					0.01
229.000	0.00	0.00	0.013	O					0.01

229.083	0.00	0.00	0.013	O	|	|	|	|	0.01
229.167	0.00	0.00	0.013	O	|	|	|	|	0.01
229.250	0.00	0.00	0.013	O	|	|	|	|	0.01
229.333	0.00	0.00	0.013	O	|	|	|	|	0.01
229.417	0.00	0.00	0.013	O	|	|	|	|	0.01
229.500	0.00	0.00	0.013	O	|	|	|	|	0.01
229.583	0.00	0.00	0.013	O	|	|	|	|	0.01
229.667	0.00	0.00	0.013	O	|	|	|	|	0.01
229.750	0.00	0.00	0.013	O	|	|	|	|	0.01
229.833	0.00	0.00	0.013	O	|	|	|	|	0.01
229.917	0.00	0.00	0.013	O	|	|	|	|	0.01
230.000	0.00	0.00	0.013	O	|	|	|	|	0.01
230.083	0.00	0.00	0.013	O	|	|	|	|	0.01
230.167	0.00	0.00	0.013	O	|	|	|	|	0.01
230.250	0.00	0.00	0.012	O	|	|	|	|	0.01
230.333	0.00	0.00	0.012	O	|	|	|	|	0.01
230.417	0.00	0.00	0.012	O	|	|	|	|	0.01
230.500	0.00	0.00	0.012	O	|	|	|	|	0.01
230.583	0.00	0.00	0.012	O	|	|	|	|	0.01
230.667	0.00	0.00	0.012	O	|	|	|	|	0.01
230.750	0.00	0.00	0.012	O	|	|	|	|	0.01
230.833	0.00	0.00	0.012	O	|	|	|	|	0.01
230.917	0.00	0.00	0.012	O	|	|	|	|	0.01
231.000	0.00	0.00	0.012	O	|	|	|	|	0.01
231.083	0.00	0.00	0.012	O	|	|	|	|	0.01
231.167	0.00	0.00	0.012	O	|	|	|	|	0.01
231.250	0.00	0.00	0.012	O	|	|	|	|	0.01
231.333	0.00	0.00	0.012	O	|	|	|	|	0.01
231.417	0.00	0.00	0.012	O	|	|	|	|	0.01
231.500	0.00	0.00	0.012	O	|	|	|	|	0.01
231.583	0.00	0.00	0.012	O	|	|	|	|	0.01
231.667	0.00	0.00	0.012	O	|	|	|	|	0.01
231.750	0.00	0.00	0.012	O	|	|	|	|	0.01
231.833	0.00	0.00	0.012	O	|	|	|	|	0.01
231.917	0.00	0.00	0.012	O	|	|	|	|	0.01
232.000	0.00	0.00	0.012	O	|	|	|	|	0.01
232.083	0.00	0.00	0.012	O	|	|	|	|	0.01
232.167	0.00	0.00	0.012	O	|	|	|	|	0.01
232.250	0.00	0.00	0.012	O	|	|	|	|	0.01
232.333	0.00	0.00	0.012	O	|	|	|	|	0.01
232.417	0.00	0.00	0.012	O	|	|	|	|	0.01
232.500	0.00	0.00	0.012	O	|	|	|	|	0.01
232.583	0.00	0.00	0.012	O	|	|	|	|	0.01
232.667	0.00	0.00	0.012	O	|	|	|	|	0.01
232.750	0.00	0.00	0.012	O	|	|	|	|	0.01
232.833	0.00	0.00	0.012	O	|	|	|	|	0.01
232.917	0.00	0.00	0.012	O	|	|	|	|	0.01
233.000	0.00	0.00	0.012	O	|	|	|	|	0.01
233.083	0.00	0.00	0.012	O	|	|	|	|	0.01
233.167	0.00	0.00	0.012	O	|	|	|	|	0.01
233.250	0.00	0.00	0.012	O	|	|	|	|	0.01
233.333	0.00	0.00	0.012	O	|	|	|	|	0.01
233.417	0.00	0.00	0.011	O	|	|	|	|	0.01
233.500	0.00	0.00	0.011	O	|	|	|	|	0.01
233.583	0.00	0.00	0.011	O	|	|	|	|	0.01
233.667	0.00	0.00	0.011	O	|	|	|	|	0.01
233.750	0.00	0.00	0.011	O	|	|	|	|	0.01
233.833	0.00	0.00	0.011	O	|	|	|	|	0.01
233.917	0.00	0.00	0.011	O	|	|	|	|	0.01
234.000	0.00	0.00	0.011	O	|	|	|	|	0.01
234.083	0.00	0.00	0.011	O	|	|	|	|	0.01
234.167	0.00	0.00	0.011	O	|	|	|	|	0.01
234.250	0.00	0.00	0.011	O	|	|	|	|	0.01
234.333	0.00	0.00	0.011	O	|	|	|	|	0.01
234.417	0.00	0.00	0.011	O	|	|	|	|	0.01
234.500	0.00	0.00	0.011	O	|	|	|	|	0.01
234.583	0.00	0.00	0.011	O	|	|	|	|	0.01

234.667	0.00	0.00	0.011	O	|	|	|	|	0.01
234.750	0.00	0.00	0.011	O	|	|	|	|	0.01
234.833	0.00	0.00	0.011	O	|	|	|	|	0.01
234.917	0.00	0.00	0.011	O	|	|	|	|	0.01
235.000	0.00	0.00	0.011	O	|	|	|	|	0.01
235.083	0.00	0.00	0.011	O	|	|	|	|	0.01
235.167	0.00	0.00	0.011	O	|	|	|	|	0.01
235.250	0.00	0.00	0.011	O	|	|	|	|	0.01
235.333	0.00	0.00	0.011	O	|	|	|	|	0.01
235.417	0.00	0.00	0.011	O	|	|	|	|	0.01
235.500	0.00	0.00	0.011	O	|	|	|	|	0.01
235.583	0.00	0.00	0.011	O	|	|	|	|	0.01
235.667	0.00	0.00	0.011	O	|	|	|	|	0.01
235.750	0.00	0.00	0.011	O	|	|	|	|	0.01
235.833	0.00	0.00	0.011	O	|	|	|	|	0.01
235.917	0.00	0.00	0.011	O	|	|	|	|	0.01
236.000	0.00	0.00	0.011	O	|	|	|	|	0.01
236.083	0.00	0.00	0.011	O	|	|	|	|	0.01
236.167	0.00	0.00	0.011	O	|	|	|	|	0.01
236.250	0.00	0.00	0.011	O	|	|	|	|	0.01
236.333	0.00	0.00	0.011	O	|	|	|	|	0.01
236.417	0.00	0.00	0.011	O	|	|	|	|	0.01
236.500	0.00	0.00	0.011	O	|	|	|	|	0.01
236.583	0.00	0.00	0.011	O	|	|	|	|	0.01
236.667	0.00	0.00	0.011	O	|	|	|	|	0.01
236.750	0.00	0.00	0.010	O	|	|	|	|	0.01
236.833	0.00	0.00	0.010	O	|	|	|	|	0.01
236.917	0.00	0.00	0.010	O	|	|	|	|	0.01
237.000	0.00	0.00	0.010	O	|	|	|	|	0.01
237.083	0.00	0.00	0.010	O	|	|	|	|	0.01
237.167	0.00	0.00	0.010	O	|	|	|	|	0.01
237.250	0.00	0.00	0.010	O	|	|	|	|	0.01
237.333	0.00	0.00	0.010	O	|	|	|	|	0.01
237.417	0.00	0.00	0.010	O	|	|	|	|	0.01
237.500	0.00	0.00	0.010	O	|	|	|	|	0.01
237.583	0.00	0.00	0.010	O	|	|	|	|	0.01
237.667	0.00	0.00	0.010	O	|	|	|	|	0.01
237.750	0.00	0.00	0.010	O	|	|	|	|	0.01
237.833	0.00	0.00	0.010	O	|	|	|	|	0.01
237.917	0.00	0.00	0.010	O	|	|	|	|	0.01
238.000	0.00	0.00	0.010	O	|	|	|	|	0.01
238.083	0.00	0.00	0.010	O	|	|	|	|	0.01
238.167	0.00	0.00	0.010	O	|	|	|	|	0.01
238.250	0.00	0.00	0.010	O	|	|	|	|	0.01
238.333	0.00	0.00	0.010	O	|	|	|	|	0.01
238.417	0.00	0.00	0.010	O	|	|	|	|	0.01
238.500	0.00	0.00	0.010	O	|	|	|	|	0.01
238.583	0.00	0.00	0.010	O	|	|	|	|	0.01
238.667	0.00	0.00	0.010	O	|	|	|	|	0.01
238.750	0.00	0.00	0.010	O	|	|	|	|	0.01
238.833	0.00	0.00	0.010	O	|	|	|	|	0.01
238.917	0.00	0.00	0.010	O	|	|	|	|	0.01
239.000	0.00	0.00	0.010	O	|	|	|	|	0.01
239.083	0.00	0.00	0.010	O	|	|	|	|	0.01
239.167	0.00	0.00	0.010	O	|	|	|	|	0.01
239.250	0.00	0.00	0.010	O	|	|	|	|	0.01
239.333	0.00	0.00	0.010	O	|	|	|	|	0.01
239.417	0.00	0.00	0.010	O	|	|	|	|	0.01
239.500	0.00	0.00	0.010	O	|	|	|	|	0.01
239.583	0.00	0.00	0.010	O	|	|	|	|	0.01
239.667	0.00	0.00	0.010	O	|	|	|	|	0.01
239.750	0.00	0.00	0.010	O	|	|	|	|	0.01
239.833	0.00	0.00	0.010	O	|	|	|	|	0.01
239.917	0.00	0.00	0.010	O	|	|	|	|	0.01
240.000	0.00	0.00	0.010	O	|	|	|	|	0.01
240.083	0.00	0.00	0.010	O	|	|	|	|	0.01
240.167	0.00	0.00	0.010	O	|	|	|	|	0.01

240.250	0.00	0.00	0.010	O	|	|	|	|	0.01
240.333	0.00	0.00	0.010	O	|	|	|	|	0.01
240.417	0.00	0.00	0.010	O	|	|	|	|	0.01
240.500	0.00	0.00	0.009	O	|	|	|	|	0.01
240.583	0.00	0.00	0.009	O	|	|	|	|	0.01
240.667	0.00	0.00	0.009	O	|	|	|	|	0.01
240.750	0.00	0.00	0.009	O	|	|	|	|	0.01
240.833	0.00	0.00	0.009	O	|	|	|	|	0.01
240.917	0.00	0.00	0.009	O	|	|	|	|	0.01
241.000	0.00	0.00	0.009	O	|	|	|	|	0.01
241.083	0.00	0.00	0.009	O	|	|	|	|	0.01
241.167	0.00	0.00	0.009	O	|	|	|	|	0.01
241.250	0.00	0.00	0.009	O	|	|	|	|	0.01
241.333	0.00	0.00	0.009	O	|	|	|	|	0.01
241.417	0.00	0.00	0.009	O	|	|	|	|	0.01
241.500	0.00	0.00	0.009	O	|	|	|	|	0.01
241.583	0.00	0.00	0.009	O	|	|	|	|	0.01
241.667	0.00	0.00	0.009	O	|	|	|	|	0.01
241.750	0.00	0.00	0.009	O	|	|	|	|	0.01
241.833	0.00	0.00	0.009	O	|	|	|	|	0.01
241.917	0.00	0.00	0.009	O	|	|	|	|	0.01
242.000	0.00	0.00	0.009	O	|	|	|	|	0.01
242.083	0.00	0.00	0.009	O	|	|	|	|	0.01
242.167	0.00	0.00	0.009	O	|	|	|	|	0.01
242.250	0.00	0.00	0.009	O	|	|	|	|	0.01
242.333	0.00	0.00	0.009	O	|	|	|	|	0.01
242.417	0.00	0.00	0.009	O	|	|	|	|	0.01
242.500	0.00	0.00	0.009	O	|	|	|	|	0.01
242.583	0.00	0.00	0.009	O	|	|	|	|	0.01
242.667	0.00	0.00	0.009	O	|	|	|	|	0.01
242.750	0.00	0.00	0.009	O	|	|	|	|	0.01
242.833	0.00	0.00	0.009	O	|	|	|	|	0.01
242.917	0.00	0.00	0.009	O	|	|	|	|	0.01
243.000	0.00	0.00	0.009	O	|	|	|	|	0.01
243.083	0.00	0.00	0.009	O	|	|	|	|	0.01
243.167	0.00	0.00	0.009	O	|	|	|	|	0.01
243.250	0.00	0.00	0.009	O	|	|	|	|	0.01
243.333	0.00	0.00	0.009	O	|	|	|	|	0.01
243.417	0.00	0.00	0.009	O	|	|	|	|	0.01
243.500	0.00	0.00	0.009	O	|	|	|	|	0.01
243.583	0.00	0.00	0.009	O	|	|	|	|	0.01
243.667	0.00	0.00	0.009	O	|	|	|	|	0.01
243.750	0.00	0.00	0.009	O	|	|	|	|	0.01
243.833	0.00	0.00	0.009	O	|	|	|	|	0.01
243.917	0.00	0.00	0.009	O	|	|	|	|	0.01
244.000	0.00	0.00	0.009	O	|	|	|	|	0.01
244.083	0.00	0.00	0.009	O	|	|	|	|	0.01
244.167	0.00	0.00	0.009	O	|	|	|	|	0.01
244.250	0.00	0.00	0.009	O	|	|	|	|	0.01
244.333	0.00	0.00	0.009	O	|	|	|	|	0.01
244.417	0.00	0.00	0.009	O	|	|	|	|	0.01
244.500	0.00	0.00	0.009	O	|	|	|	|	0.01
244.583	0.00	0.00	0.009	O	|	|	|	|	0.01
244.667	0.00	0.00	0.008	O	|	|	|	|	0.01
244.750	0.00	0.00	0.008	O	|	|	|	|	0.01
244.833	0.00	0.00	0.008	O	|	|	|	|	0.01
244.917	0.00	0.00	0.008	O	|	|	|	|	0.01
245.000	0.00	0.00	0.008	O	|	|	|	|	0.01
245.083	0.00	0.00	0.008	O	|	|	|	|	0.01
245.167	0.00	0.00	0.008	O	|	|	|	|	0.01
245.250	0.00	0.00	0.008	O	|	|	|	|	0.01
245.333	0.00	0.00	0.008	O	|	|	|	|	0.01
245.417	0.00	0.00	0.008	O	|	|	|	|	0.01
245.500	0.00	0.00	0.008	O	|	|	|	|	0.01
245.583	0.00	0.00	0.008	O	|	|	|	|	0.01
245.667	0.00	0.00	0.008	O	|	|	|	|	0.01
245.750	0.00	0.00	0.008	O	|	|	|	|	0.01

245.833	0.00	0.00	0.008	O	|	|	|	|	0.01
245.917	0.00	0.00	0.008	O	|	|	|	|	0.01
246.000	0.00	0.00	0.008	O	|	|	|	|	0.01
246.083	0.00	0.00	0.008	O	|	|	|	|	0.01
246.167	0.00	0.00	0.008	O	|	|	|	|	0.01
246.250	0.00	0.00	0.008	O	|	|	|	|	0.01
246.333	0.00	0.00	0.008	O	|	|	|	|	0.01
246.417	0.00	0.00	0.008	O	|	|	|	|	0.01
246.500	0.00	0.00	0.008	O	|	|	|	|	0.01
246.583	0.00	0.00	0.008	O	|	|	|	|	0.01
246.667	0.00	0.00	0.008	O	|	|	|	|	0.01
246.750	0.00	0.00	0.008	O	|	|	|	|	0.01
246.833	0.00	0.00	0.008	O	|	|	|	|	0.01
246.917	0.00	0.00	0.008	O	|	|	|	|	0.01
247.000	0.00	0.00	0.008	O	|	|	|	|	0.01
247.083	0.00	0.00	0.008	O	|	|	|	|	0.01
247.167	0.00	0.00	0.008	O	|	|	|	|	0.01
247.250	0.00	0.00	0.008	O	|	|	|	|	0.01
247.333	0.00	0.00	0.008	O	|	|	|	|	0.01
247.417	0.00	0.00	0.008	O	|	|	|	|	0.01
247.500	0.00	0.00	0.008	O	|	|	|	|	0.01
247.583	0.00	0.00	0.008	O	|	|	|	|	0.01
247.667	0.00	0.00	0.008	O	|	|	|	|	0.01
247.750	0.00	0.00	0.008	O	|	|	|	|	0.01
247.833	0.00	0.00	0.008	O	|	|	|	|	0.01
247.917	0.00	0.00	0.008	O	|	|	|	|	0.01
248.000	0.00	0.00	0.008	O	|	|	|	|	0.01
248.083	0.00	0.00	0.008	O	|	|	|	|	0.01
248.167	0.00	0.00	0.008	O	|	|	|	|	0.01
248.250	0.00	0.00	0.008	O	|	|	|	|	0.01
248.333	0.00	0.00	0.008	O	|	|	|	|	0.01
248.417	0.00	0.00	0.008	O	|	|	|	|	0.01
248.500	0.00	0.00	0.008	O	|	|	|	|	0.01
248.583	0.00	0.00	0.008	O	|	|	|	|	0.01
248.667	0.00	0.00	0.008	O	|	|	|	|	0.01
248.750	0.00	0.00	0.008	O	|	|	|	|	0.01
248.833	0.00	0.00	0.008	O	|	|	|	|	0.01
248.917	0.00	0.00	0.008	O	|	|	|	|	0.01
249.000	0.00	0.00	0.008	O	|	|	|	|	0.01
249.083	0.00	0.00	0.008	O	|	|	|	|	0.01
249.167	0.00	0.00	0.008	O	|	|	|	|	0.01
249.250	0.00	0.00	0.008	O	|	|	|	|	0.01
249.333	0.00	0.00	0.007	O	|	|	|	|	0.01
249.417	0.00	0.00	0.007	O	|	|	|	|	0.01
249.500	0.00	0.00	0.007	O	|	|	|	|	0.01
249.583	0.00	0.00	0.007	O	|	|	|	|	0.01
249.667	0.00	0.00	0.007	O	|	|	|	|	0.01
249.750	0.00	0.00	0.007	O	|	|	|	|	0.01
249.833	0.00	0.00	0.007	O	|	|	|	|	0.01
249.917	0.00	0.00	0.007	O	|	|	|	|	0.01
250.000	0.00	0.00	0.007	O	|	|	|	|	0.01
250.083	0.00	0.00	0.007	O	|	|	|	|	0.01
250.167	0.00	0.00	0.007	O	|	|	|	|	0.01
250.250	0.00	0.00	0.007	O	|	|	|	|	0.01
250.333	0.00	0.00	0.007	O	|	|	|	|	0.01
250.417	0.00	0.00	0.007	O	|	|	|	|	0.01
250.500	0.00	0.00	0.007	O	|	|	|	|	0.01
250.583	0.00	0.00	0.007	O	|	|	|	|	0.00
250.667	0.00	0.00	0.007	O	|	|	|	|	0.00
250.750	0.00	0.00	0.007	O	|	|	|	|	0.00
250.833	0.00	0.00	0.007	O	|	|	|	|	0.00
250.917	0.00	0.00	0.007	O	|	|	|	|	0.00
251.000	0.00	0.00	0.007	O	|	|	|	|	0.00
251.083	0.00	0.00	0.007	O	|	|	|	|	0.00
251.167	0.00	0.00	0.007	O	|	|	|	|	0.00
251.250	0.00	0.00	0.007	O	|	|	|	|	0.00
251.333	0.00	0.00	0.007	O	|	|	|	|	0.00

251.417	0.00	0.00	0.007	O	|	|	|	0.00
251.500	0.00	0.00	0.007	O	|	|	|	0.00
251.583	0.00	0.00	0.007	O	|	|	|	0.00
251.667	0.00	0.00	0.007	O	|	|	|	0.00
251.750	0.00	0.00	0.007	O	|	|	|	0.00
251.833	0.00	0.00	0.007	O	|	|	|	0.00
251.917	0.00	0.00	0.007	O	|	|	|	0.00
252.000	0.00	0.00	0.007	O	|	|	|	0.00
252.083	0.00	0.00	0.007	O	|	|	|	0.00
252.167	0.00	0.00	0.007	O	|	|	|	0.00
252.250	0.00	0.00	0.007	O	|	|	|	0.00
252.333	0.00	0.00	0.007	O	|	|	|	0.00
252.417	0.00	0.00	0.007	O	|	|	|	0.00
252.500	0.00	0.00	0.007	O	|	|	|	0.00
252.583	0.00	0.00	0.007	O	|	|	|	0.00
252.667	0.00	0.00	0.007	O	|	|	|	0.00
252.750	0.00	0.00	0.007	O	|	|	|	0.00
252.833	0.00	0.00	0.007	O	|	|	|	0.00
252.917	0.00	0.00	0.007	O	|	|	|	0.00
253.000	0.00	0.00	0.007	O	|	|	|	0.00
253.083	0.00	0.00	0.007	O	|	|	|	0.00
253.167	0.00	0.00	0.007	O	|	|	|	0.00
253.250	0.00	0.00	0.007	O	|	|	|	0.00
253.333	0.00	0.00	0.007	O	|	|	|	0.00
253.417	0.00	0.00	0.007	O	|	|	|	0.00
253.500	0.00	0.00	0.007	O	|	|	|	0.00
253.583	0.00	0.00	0.007	O	|	|	|	0.00
253.667	0.00	0.00	0.007	O	|	|	|	0.00
253.750	0.00	0.00	0.007	O	|	|	|	0.00
253.833	0.00	0.00	0.007	O	|	|	|	0.00
253.917	0.00	0.00	0.007	O	|	|	|	0.00
254.000	0.00	0.00	0.007	O	|	|	|	0.00
254.083	0.00	0.00	0.007	O	|	|	|	0.00
254.167	0.00	0.00	0.007	O	|	|	|	0.00
254.250	0.00	0.00	0.007	O	|	|	|	0.00
254.333	0.00	0.00	0.007	O	|	|	|	0.00
254.417	0.00	0.00	0.007	O	|	|	|	0.00
254.500	0.00	0.00	0.007	O	|	|	|	0.00
254.583	0.00	0.00	0.007	O	|	|	|	0.00
254.667	0.00	0.00	0.006	O	|	|	|	0.00
254.750	0.00	0.00	0.006	O	|	|	|	0.00
254.833	0.00	0.00	0.006	O	|	|	|	0.00
254.917	0.00	0.00	0.006	O	|	|	|	0.00
255.000	0.00	0.00	0.006	O	|	|	|	0.00
255.083	0.00	0.00	0.006	O	|	|	|	0.00
255.167	0.00	0.00	0.006	O	|	|	|	0.00
255.250	0.00	0.00	0.006	O	|	|	|	0.00
255.333	0.00	0.00	0.006	O	|	|	|	0.00
255.417	0.00	0.00	0.006	O	|	|	|	0.00
255.500	0.00	0.00	0.006	O	|	|	|	0.00
255.583	0.00	0.00	0.006	O	|	|	|	0.00
255.667	0.00	0.00	0.006	O	|	|	|	0.00
255.750	0.00	0.00	0.006	O	|	|	|	0.00
255.833	0.00	0.00	0.006	O	|	|	|	0.00
255.917	0.00	0.00	0.006	O	|	|	|	0.00
256.000	0.00	0.00	0.006	O	|	|	|	0.00
256.083	0.00	0.00	0.006	O	|	|	|	0.00
256.167	0.00	0.00	0.006	O	|	|	|	0.00
256.250	0.00	0.00	0.006	O	|	|	|	0.00
256.333	0.00	0.00	0.006	O	|	|	|	0.00
256.417	0.00	0.00	0.006	O	|	|	|	0.00
256.500	0.00	0.00	0.006	O	|	|	|	0.00
256.583	0.00	0.00	0.006	O	|	|	|	0.00
256.667	0.00	0.00	0.006	O	|	|	|	0.00
256.750	0.00	0.00	0.006	O	|	|	|	0.00
256.833	0.00	0.00	0.006	O	|	|	|	0.00
256.917	0.00	0.00	0.006	O	|	|	|	0.00

257.000	0.00	0.00	0.006	O	|	|	|	0.00
257.083	0.00	0.00	0.006	O	|	|	|	0.00
257.167	0.00	0.00	0.006	O	|	|	|	0.00
257.250	0.00	0.00	0.006	O	|	|	|	0.00
257.333	0.00	0.00	0.006	O	|	|	|	0.00
257.417	0.00	0.00	0.006	O	|	|	|	0.00
257.500	0.00	0.00	0.006	O	|	|	|	0.00
257.583	0.00	0.00	0.006	O	|	|	|	0.00
257.667	0.00	0.00	0.006	O	|	|	|	0.00
257.750	0.00	0.00	0.006	O	|	|	|	0.00
257.833	0.00	0.00	0.006	O	|	|	|	0.00
257.917	0.00	0.00	0.006	O	|	|	|	0.00
258.000	0.00	0.00	0.006	O	|	|	|	0.00
258.083	0.00	0.00	0.006	O	|	|	|	0.00
258.167	0.00	0.00	0.006	O	|	|	|	0.00
258.250	0.00	0.00	0.006	O	|	|	|	0.00
258.333	0.00	0.00	0.006	O	|	|	|	0.00
258.417	0.00	0.00	0.006	O	|	|	|	0.00
258.500	0.00	0.00	0.006	O	|	|	|	0.00
258.583	0.00	0.00	0.006	O	|	|	|	0.00
258.667	0.00	0.00	0.006	O	|	|	|	0.00
258.750	0.00	0.00	0.006	O	|	|	|	0.00
258.833	0.00	0.00	0.006	O	|	|	|	0.00
258.917	0.00	0.00	0.006	O	|	|	|	0.00
259.000	0.00	0.00	0.006	O	|	|	|	0.00
259.083	0.00	0.00	0.006	O	|	|	|	0.00
259.167	0.00	0.00	0.006	O	|	|	|	0.00
259.250	0.00	0.00	0.006	O	|	|	|	0.00
259.333	0.00	0.00	0.006	O	|	|	|	0.00
259.417	0.00	0.00	0.006	O	|	|	|	0.00
259.500	0.00	0.00	0.006	O	|	|	|	0.00
259.583	0.00	0.00	0.006	O	|	|	|	0.00
259.667	0.00	0.00	0.006	O	|	|	|	0.00
259.750	0.00	0.00	0.006	O	|	|	|	0.00
259.833	0.00	0.00	0.006	O	|	|	|	0.00
259.917	0.00	0.00	0.006	O	|	|	|	0.00
260.000	0.00	0.00	0.006	O	|	|	|	0.00
260.083	0.00	0.00	0.006	O	|	|	|	0.00
260.167	0.00	0.00	0.006	O	|	|	|	0.00
260.250	0.00	0.00	0.006	O	|	|	|	0.00
260.333	0.00	0.00	0.006	O	|	|	|	0.00
260.417	0.00	0.00	0.006	O	|	|	|	0.00
260.500	0.00	0.00	0.006	O	|	|	|	0.00
260.583	0.00	0.00	0.006	O	|	|	|	0.00
260.667	0.00	0.00	0.006	O	|	|	|	0.00
260.750	0.00	0.00	0.006	O	|	|	|	0.00
260.833	0.00	0.00	0.006	O	|	|	|	0.00
260.917	0.00	0.00	0.005	O	|	|	|	0.00
261.000	0.00	0.00	0.005	O	|	|	|	0.00
261.083	0.00	0.00	0.005	O	|	|	|	0.00
261.167	0.00	0.00	0.005	O	|	|	|	0.00
261.250	0.00	0.00	0.005	O	|	|	|	0.00
261.333	0.00	0.00	0.005	O	|	|	|	0.00
261.417	0.00	0.00	0.005	O	|	|	|	0.00
261.500	0.00	0.00	0.005	O	|	|	|	0.00
261.583	0.00	0.00	0.005	O	|	|	|	0.00
261.667	0.00	0.00	0.005	O	|	|	|	0.00
261.750	0.00	0.00	0.005	O	|	|	|	0.00
261.833	0.00	0.00	0.005	O	|	|	|	0.00
261.917	0.00	0.00	0.005	O	|	|	|	0.00
262.000	0.00	0.00	0.005	O	|	|	|	0.00
262.083	0.00	0.00	0.005	O	|	|	|	0.00
262.167	0.00	0.00	0.005	O	|	|	|	0.00
262.250	0.00	0.00	0.005	O	|	|	|	0.00
262.333	0.00	0.00	0.005	O	|	|	|	0.00
262.417	0.00	0.00	0.005	O	|	|	|	0.00
262.500	0.00	0.00	0.005	O	|	|	|	0.00

262.583	0.00	0.00	0.005	O					0.00
262.667	0.00	0.00	0.005	O					0.00
262.750	0.00	0.00	0.005	O					0.00
262.833	0.00	0.00	0.005	O					0.00
262.917	0.00	0.00	0.005	O					0.00
263.000	0.00	0.00	0.005	O					0.00
263.083	0.00	0.00	0.005	O					0.00
263.167	0.00	0.00	0.005	O					0.00
263.250	0.00	0.00	0.005	O					0.00
263.333	0.00	0.00	0.005	O					0.00
263.417	0.00	0.00	0.005	O					0.00
263.500	0.00	0.00	0.005	O					0.00
263.583	0.00	0.00	0.005	O					0.00
263.667	0.00	0.00	0.005	O					0.00
263.750	0.00	0.00	0.005	O					0.00
263.833	0.00	0.00	0.005	O					0.00
263.917	0.00	0.00	0.005	O					0.00
264.000	0.00	0.00	0.005	O					0.00
264.083	0.00	0.00	0.005	O					0.00
264.167	0.00	0.00	0.005	O					0.00
264.250	0.00	0.00	0.005	O					0.00
264.333	0.00	0.00	0.005	O					0.00
264.417	0.00	0.00	0.005	O					0.00
264.500	0.00	0.00	0.005	O					0.00
264.583	0.00	0.00	0.005	O					0.00
264.667	0.00	0.00	0.005	O					0.00
264.750	0.00	0.00	0.005	O					0.00
264.833	0.00	0.00	0.005	O					0.00
264.917	0.00	0.00	0.005	O					0.00
265.000	0.00	0.00	0.005	O					0.00
265.083	0.00	0.00	0.005	O					0.00
265.167	0.00	0.00	0.005	O					0.00
265.250	0.00	0.00	0.005	O					0.00
265.333	0.00	0.00	0.005	O					0.00
265.417	0.00	0.00	0.005	O					0.00
265.500	0.00	0.00	0.005	O					0.00
265.583	0.00	0.00	0.005	O					0.00
265.667	0.00	0.00	0.005	O					0.00
265.750	0.00	0.00	0.005	O					0.00
265.833	0.00	0.00	0.005	O					0.00
265.917	0.00	0.00	0.005	O					0.00
266.000	0.00	0.00	0.005	O					0.00
266.083	0.00	0.00	0.005	O					0.00
266.167	0.00	0.00	0.005	O					0.00
266.250	0.00	0.00	0.005	O					0.00
266.333	0.00	0.00	0.005	O					0.00
266.417	0.00	0.00	0.005	O					0.00
266.500	0.00	0.00	0.005	O					0.00
266.583	0.00	0.00	0.005	O					0.00
266.667	0.00	0.00	0.005	O					0.00
266.750	0.00	0.00	0.005	O					0.00
266.833	0.00	0.00	0.005	O					0.00
266.917	0.00	0.00	0.005	O					0.00
267.000	0.00	0.00	0.005	O					0.00
267.083	0.00	0.00	0.005	O					0.00
267.167	0.00	0.00	0.005	O					0.00
267.250	0.00	0.00	0.005	O					0.00
267.333	0.00	0.00	0.005	O					0.00
267.417	0.00	0.00	0.005	O					0.00
267.500	0.00	0.00	0.005	O					0.00
267.583	0.00	0.00	0.005	O					0.00
267.667	0.00	0.00	0.005	O					0.00
267.750	0.00	0.00	0.005	O					0.00
267.833	0.00	0.00	0.005	O					0.00
267.917	0.00	0.00	0.005	O					0.00
268.000	0.00	0.00	0.005	O					0.00
268.083	0.00	0.00	0.005	O					0.00

268.167	0.00	0.00	0.005	O				0.00
268.250	0.00	0.00	0.005	O				0.00
268.333	0.00	0.00	0.005	O				0.00
268.417	0.00	0.00	0.004	O				0.00
268.500	0.00	0.00	0.004	O				0.00
268.583	0.00	0.00	0.004	O				0.00
268.667	0.00	0.00	0.004	O				0.00
268.750	0.00	0.00	0.004	O				0.00
268.833	0.00	0.00	0.004	O				0.00
268.917	0.00	0.00	0.004	O				0.00
269.000	0.00	0.00	0.004	O				0.00
269.083	0.00	0.00	0.004	O				0.00
269.167	0.00	0.00	0.004	O				0.00
269.250	0.00	0.00	0.004	O				0.00
269.333	0.00	0.00	0.004	O				0.00
269.417	0.00	0.00	0.004	O				0.00
269.500	0.00	0.00	0.004	O				0.00
269.583	0.00	0.00	0.004	O				0.00
269.667	0.00	0.00	0.004	O				0.00
269.750	0.00	0.00	0.004	O				0.00
269.833	0.00	0.00	0.004	O				0.00
269.917	0.00	0.00	0.004	O				0.00
270.000	0.00	0.00	0.004	O				0.00
270.083	0.00	0.00	0.004	O				0.00
270.167	0.00	0.00	0.004	O				0.00
270.250	0.00	0.00	0.004	O				0.00
270.333	0.00	0.00	0.004	O				0.00
270.417	0.00	0.00	0.004	O				0.00
270.500	0.00	0.00	0.004	O				0.00
270.583	0.00	0.00	0.004	O				0.00
270.667	0.00	0.00	0.004	O				0.00
270.750	0.00	0.00	0.004	O				0.00
270.833	0.00	0.00	0.004	O				0.00
270.917	0.00	0.00	0.004	O				0.00
271.000	0.00	0.00	0.004	O				0.00
271.083	0.00	0.00	0.004	O				0.00
271.167	0.00	0.00	0.004	O				0.00
271.250	0.00	0.00	0.004	O				0.00
271.333	0.00	0.00	0.004	O				0.00
271.417	0.00	0.00	0.004	O				0.00
271.500	0.00	0.00	0.004	O				0.00
271.583	0.00	0.00	0.004	O				0.00
271.667	0.00	0.00	0.004	O				0.00
271.750	0.00	0.00	0.004	O				0.00
271.833	0.00	0.00	0.004	O				0.00
271.917	0.00	0.00	0.004	O				0.00
272.000	0.00	0.00	0.004	O				0.00
272.083	0.00	0.00	0.004	O				0.00
272.167	0.00	0.00	0.004	O				0.00
272.250	0.00	0.00	0.004	O				0.00
272.333	0.00	0.00	0.004	O				0.00
272.417	0.00	0.00	0.004	O				0.00
272.500	0.00	0.00	0.004	O				0.00
272.583	0.00	0.00	0.004	O				0.00
272.667	0.00	0.00	0.004	O				0.00
272.750	0.00	0.00	0.004	O				0.00
272.833	0.00	0.00	0.004	O				0.00
272.917	0.00	0.00	0.004	O				0.00
273.000	0.00	0.00	0.004	O				0.00
273.083	0.00	0.00	0.004	O				0.00
273.167	0.00	0.00	0.004	O				0.00
273.250	0.00	0.00	0.004	O				0.00
273.333	0.00	0.00	0.004	O				0.00
273.417	0.00	0.00	0.004	O				0.00
273.500	0.00	0.00	0.004	O				0.00
273.583	0.00	0.00	0.004	O				0.00
273.667	0.00	0.00	0.004	O				0.00

273.750	0.00	0.00	0.004	O	|	|	|	0.00
273.833	0.00	0.00	0.004	O	|	|	|	0.00
273.917	0.00	0.00	0.004	O	|	|	|	0.00
274.000	0.00	0.00	0.004	O	|	|	|	0.00
274.083	0.00	0.00	0.004	O	|	|	|	0.00
274.167	0.00	0.00	0.004	O	|	|	|	0.00
274.250	0.00	0.00	0.004	O	|	|	|	0.00
274.333	0.00	0.00	0.004	O	|	|	|	0.00
274.417	0.00	0.00	0.004	O	|	|	|	0.00
274.500	0.00	0.00	0.004	O	|	|	|	0.00
274.583	0.00	0.00	0.004	O	|	|	|	0.00
274.667	0.00	0.00	0.004	O	|	|	|	0.00
274.750	0.00	0.00	0.004	O	|	|	|	0.00
274.833	0.00	0.00	0.004	O	|	|	|	0.00
274.917	0.00	0.00	0.004	O	|	|	|	0.00
275.000	0.00	0.00	0.004	O	|	|	|	0.00
275.083	0.00	0.00	0.004	O	|	|	|	0.00
275.167	0.00	0.00	0.004	O	|	|	|	0.00
275.250	0.00	0.00	0.004	O	|	|	|	0.00
275.333	0.00	0.00	0.004	O	|	|	|	0.00
275.417	0.00	0.00	0.004	O	|	|	|	0.00
275.500	0.00	0.00	0.004	O	|	|	|	0.00
275.583	0.00	0.00	0.004	O	|	|	|	0.00
275.667	0.00	0.00	0.004	O	|	|	|	0.00
275.750	0.00	0.00	0.004	O	|	|	|	0.00
275.833	0.00	0.00	0.004	O	|	|	|	0.00
275.917	0.00	0.00	0.004	O	|	|	|	0.00
276.000	0.00	0.00	0.004	O	|	|	|	0.00
276.083	0.00	0.00	0.004	O	|	|	|	0.00
276.167	0.00	0.00	0.004	O	|	|	|	0.00
276.250	0.00	0.00	0.004	O	|	|	|	0.00
276.333	0.00	0.00	0.004	O	|	|	|	0.00
276.417	0.00	0.00	0.004	O	|	|	|	0.00
276.500	0.00	0.00	0.004	O	|	|	|	0.00
276.583	0.00	0.00	0.004	O	|	|	|	0.00
276.667	0.00	0.00	0.004	O	|	|	|	0.00
276.750	0.00	0.00	0.004	O	|	|	|	0.00
276.833	0.00	0.00	0.004	O	|	|	|	0.00
276.917	0.00	0.00	0.004	O	|	|	|	0.00
277.000	0.00	0.00	0.004	O	|	|	|	0.00
277.083	0.00	0.00	0.004	O	|	|	|	0.00
277.167	0.00	0.00	0.004	O	|	|	|	0.00
277.250	0.00	0.00	0.004	O	|	|	|	0.00
277.333	0.00	0.00	0.004	O	|	|	|	0.00
277.417	0.00	0.00	0.004	O	|	|	|	0.00
277.500	0.00	0.00	0.004	O	|	|	|	0.00
277.583	0.00	0.00	0.004	O	|	|	|	0.00
277.667	0.00	0.00	0.004	O	|	|	|	0.00
277.750	0.00	0.00	0.004	O	|	|	|	0.00
277.833	0.00	0.00	0.003	O	|	|	|	0.00
277.917	0.00	0.00	0.003	O	|	|	|	0.00
278.000	0.00	0.00	0.003	O	|	|	|	0.00
278.083	0.00	0.00	0.003	O	|	|	|	0.00
278.167	0.00	0.00	0.003	O	|	|	|	0.00
278.250	0.00	0.00	0.003	O	|	|	|	0.00
278.333	0.00	0.00	0.003	O	|	|	|	0.00
278.417	0.00	0.00	0.003	O	|	|	|	0.00
278.500	0.00	0.00	0.003	O	|	|	|	0.00
278.583	0.00	0.00	0.003	O	|	|	|	0.00
278.667	0.00	0.00	0.003	O	|	|	|	0.00
278.750	0.00	0.00	0.003	O	|	|	|	0.00
278.833	0.00	0.00	0.003	O	|	|	|	0.00
278.917	0.00	0.00	0.003	O	|	|	|	0.00
279.000	0.00	0.00	0.003	O	|	|	|	0.00
279.083	0.00	0.00	0.003	O	|	|	|	0.00
279.167	0.00	0.00	0.003	O	|	|	|	0.00
279.250	0.00	0.00	0.003	O	|	|	|	0.00

279.333	0.00	0.00	0.003	O	|	|	|	|	0.00
279.417	0.00	0.00	0.003	O	|	|	|	|	0.00
279.500	0.00	0.00	0.003	O	|	|	|	|	0.00
279.583	0.00	0.00	0.003	O	|	|	|	|	0.00
279.667	0.00	0.00	0.003	O	|	|	|	|	0.00
279.750	0.00	0.00	0.003	O	|	|	|	|	0.00
279.833	0.00	0.00	0.003	O	|	|	|	|	0.00
279.917	0.00	0.00	0.003	O	|	|	|	|	0.00
280.000	0.00	0.00	0.003	O	|	|	|	|	0.00
280.083	0.00	0.00	0.003	O	|	|	|	|	0.00
280.167	0.00	0.00	0.003	O	|	|	|	|	0.00
280.250	0.00	0.00	0.003	O	|	|	|	|	0.00
280.333	0.00	0.00	0.003	O	|	|	|	|	0.00
280.417	0.00	0.00	0.003	O	|	|	|	|	0.00
280.500	0.00	0.00	0.003	O	|	|	|	|	0.00
280.583	0.00	0.00	0.003	O	|	|	|	|	0.00
280.667	0.00	0.00	0.003	O	|	|	|	|	0.00
280.750	0.00	0.00	0.003	O	|	|	|	|	0.00
280.833	0.00	0.00	0.003	O	|	|	|	|	0.00
280.917	0.00	0.00	0.003	O	|	|	|	|	0.00
281.000	0.00	0.00	0.003	O	|	|	|	|	0.00
281.083	0.00	0.00	0.003	O	|	|	|	|	0.00
281.167	0.00	0.00	0.003	O	|	|	|	|	0.00
281.250	0.00	0.00	0.003	O	|	|	|	|	0.00
281.333	0.00	0.00	0.003	O	|	|	|	|	0.00
281.417	0.00	0.00	0.003	O	|	|	|	|	0.00
281.500	0.00	0.00	0.003	O	|	|	|	|	0.00
281.583	0.00	0.00	0.003	O	|	|	|	|	0.00
281.667	0.00	0.00	0.003	O	|	|	|	|	0.00
281.750	0.00	0.00	0.003	O	|	|	|	|	0.00
281.833	0.00	0.00	0.003	O	|	|	|	|	0.00
281.917	0.00	0.00	0.003	O	|	|	|	|	0.00
282.000	0.00	0.00	0.003	O	|	|	|	|	0.00
282.083	0.00	0.00	0.003	O	|	|	|	|	0.00
282.167	0.00	0.00	0.003	O	|	|	|	|	0.00
282.250	0.00	0.00	0.003	O	|	|	|	|	0.00
282.333	0.00	0.00	0.003	O	|	|	|	|	0.00
282.417	0.00	0.00	0.003	O	|	|	|	|	0.00
282.500	0.00	0.00	0.003	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 3390
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 1.737 (CFS)
Total volume = 4.933 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRH310.rte

**********HYDROGRAPH DATA**********

Number of intervals = 43
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 89.975 (CFS)
Total volume = 7.960 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN H- ROUTING
10YR-3HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 43
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.450	0.470	1.448	1.452
2.000	3.000	0.710	2.998	3.002
3.000	4.660	1.690	4.654	4.666
4.000	6.440	2.170	6.433	6.447
5.000	8.330	2.560	8.321	8.339
6.000	10.330	2.890	10.320	10.340
7.000	12.460	3.190	12.449	12.471
8.000	14.710	3.460	14.698	14.722
9.000	17.150	83.630	16.862	17.438

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 22.5 44.99 67.48 89.98	Depth (Ft.)
0.083	2.82	0.00	0.010	OI | | | |	0.01

0.167	9.80	0.02	0.053	O	I	|	|	|	|	0.04
0.250	11.59	0.04	0.127	O	I	|	|	|	|	0.09
0.333	12.39	0.07	0.209	O	I	|	|	|	|	0.14
0.417	14.76	0.10	0.302	O	I	|	|	|	|	0.21
0.500	16.31	0.13	0.408	O	I	|	|	|	|	0.28
0.583	17.71	0.17	0.524	O	I	|	|	|	|	0.36
0.667	17.59	0.21	0.644	O	I	|	|	|	|	0.44
0.750	19.00	0.25	0.769	O	I	|	|	|	|	0.53
0.833	18.80	0.29	0.897	O	I	|	|	|	|	0.62
0.917	17.66	0.33	1.020	O	I	|	|	|	|	0.70
1.000	18.21	0.37	1.141	O	I	|	|	|	|	0.79
1.083	20.17	0.41	1.271	O	I	|	|	|	|	0.88
1.167	22.61	0.46	1.415	O	I	|	|	|	|	0.98
1.250	23.46	0.49	1.571	O	I	|	|	|	|	1.08
1.333	23.40	0.51	1.729	O	I	|	|	|	|	1.18
1.417	23.83	0.54	1.888	O	I	|	|	|	|	1.28
1.500	27.08	0.56	2.059	O	I	|	|	|	|	1.39
1.583	27.94	0.59	2.245	O	I	|	|	|	|	1.51
1.667	27.60	0.62	2.432	O	I	|	|	|	|	1.63
1.750	30.28	0.65	2.627	O	I	|	|	|	|	1.76
1.833	33.52	0.69	2.842	O	I	|	|	|	|	1.90
1.917	33.24	0.75	3.067	O	I	|	|	|	|	2.04
2.000	32.67	0.88	3.288	O	I	|	|	|	|	2.17
2.083	33.24	1.01	3.508	O	I	|	|	|	|	2.31
2.167	36.46	1.15	3.741	O	I	|	|	|	|	2.45
2.250	45.40	1.31	4.014	O	I	|	|	|	|	2.61
2.333	49.21	1.50	4.331	O	I	|	|	|	|	2.80
2.417	51.17	1.69	4.665	O	I	|	|	|	|	3.00
2.500	73.39	1.80	5.082	O	I	|	|	|	|	3.24
2.583	86.08	1.95	5.618	O	I	|	|	|	|	3.54
2.667	89.98	2.11	6.211	O	I	|	|	|	|	3.87
2.750	68.15	2.23	6.740	O	I	|	|	|	|	4.16
2.833	40.47	2.31	7.099	O	I	|	|	|	|	4.35
2.917	30.44	2.35	7.327	O	I	|	|	|	|	4.47
3.000	23.80	2.39	7.497	O	I	|	|	|	|	4.56
3.083	13.40	2.41	7.609	O	I	|	|	|	|	4.62
3.167	6.43	2.42	7.660	O	I	|	|	|	|	4.65
3.250	**3.15**	**2.43**	**7.677**	**O**	**I**	**|**	**|**	**|**	**|**	**4.65**
3.333	1.40	2.42	7.676	O	|	|	|	|	|	4.65
3.417	0.77	2.42	7.666	O	|	|	|	|	|	4.65
3.500	0.39	2.42	7.654	O	|	|	|	|	|	4.64
3.583	0.10	2.42	7.639	O	|	|	|	|	|	4.63
3.667	0.00	2.41	7.622	O	|	|	|	|	|	4.63
3.750	0.00	2.41	7.606	O	|	|	|	|	|	4.62
3.833	0.00	2.41	7.589	O	|	|	|	|	|	4.61
3.917	0.00	2.40	7.573	O	|	|	|	|	|	4.60
4.000	0.00	2.40	7.556	O	|	|	|	|	|	4.59
4.083	0.00	2.40	7.540	O	|	|	|	|	|	4.58
4.167	0.00	2.39	7.523	O	|	|	|	|	|	4.57
4.250	0.00	2.39	7.507	O	|	|	|	|	|	4.56
4.333	0.00	2.39	7.490	O	|	|	|	|	|	4.56
4.417	0.00	2.38	7.474	O	|	|	|	|	|	4.55
4.500	0.00	2.38	7.457	O	|	|	|	|	|	4.54
4.583	0.00	2.38	7.441	O	|	|	|	|	|	4.53
4.667	0.00	2.37	7.425	O	|	|	|	|	|	4.52
4.750	0.00	2.37	7.408	O	|	|	|	|	|	4.51
4.833	0.00	2.37	7.392	O	|	|	|	|	|	4.50
4.917	0.00	2.36	7.376	O	|	|	|	|	|	4.50
5.000	0.00	2.36	7.359	O	|	|	|	|	|	4.49
5.083	0.00	2.36	7.343	O	|	|	|	|	|	4.48
5.167	0.00	2.35	7.327	O	|	|	|	|	|	4.47
5.250	0.00	2.35	7.311	O	|	|	|	|	|	4.46
5.333	0.00	2.35	7.295	O	|	|	|	|	|	4.45
5.417	0.00	2.34	7.278	O	|	|	|	|	|	4.44
5.500	0.00	2.34	7.262	O	|	|	|	|	|	4.44
5.583	0.00	2.34	7.246	O	|	|	|	|	|	4.43
5.667	0.00	2.33	7.230	O	|	|	|	|	|	4.42

5.750	0.00	2.33	7.214	O	|	|	|	4.41
5.833	0.00	2.33	7.198	O	|	|	|	4.40
5.917	0.00	2.32	7.182	O	|	|	|	4.39
6.000	0.00	2.32	7.166	O	|	|	|	4.38
6.083	0.00	2.32	7.150	O	|	|	|	4.38
6.167	0.00	2.31	7.134	O	|	|	|	4.37
6.250	0.00	2.31	7.118	O	|	|	|	4.36
6.333	0.00	2.31	7.102	O	|	|	|	4.35
6.417	0.00	2.30	7.086	O	|	|	|	4.34
6.500	0.00	2.30	7.071	O	|	|	|	4.33
6.583	0.00	2.30	7.055	O	|	|	|	4.33
6.667	0.00	2.29	7.039	O	|	|	|	4.32
6.750	0.00	2.29	7.023	O	|	|	|	4.31
6.833	0.00	2.29	7.007	O	|	|	|	4.30
6.917	0.00	2.28	6.992	O	|	|	|	4.29
7.000	0.00	2.28	6.976	O	|	|	|	4.28
7.083	0.00	2.28	6.960	O	|	|	|	4.28
7.167	0.00	2.27	6.945	O	|	|	|	4.27
7.250	0.00	2.27	6.929	O	|	|	|	4.26
7.333	0.00	2.27	6.913	O	|	|	|	4.25
7.417	0.00	2.26	6.898	O	|	|	|	4.24
7.500	0.00	2.26	6.882	O	|	|	|	4.23
7.583	0.00	2.26	6.867	O	|	|	|	4.23
7.667	0.00	2.25	6.851	O	|	|	|	4.22
7.750	0.00	2.25	6.836	O	|	|	|	4.21
7.833	0.00	2.25	6.820	O	|	|	|	4.20
7.917	0.00	2.25	6.805	O	|	|	|	4.19
8.000	0.00	2.24	6.789	O	|	|	|	4.18
8.083	0.00	2.24	6.774	O	|	|	|	4.18
8.167	0.00	2.24	6.758	O	|	|	|	4.17
8.250	0.00	2.23	6.743	O	|	|	|	4.16
8.333	0.00	2.23	6.728	O	|	|	|	4.15
8.417	0.00	2.23	6.712	O	|	|	|	4.14
8.500	0.00	2.22	6.697	O	|	|	|	4.14
8.583	0.00	2.22	6.682	O	|	|	|	4.13
8.667	0.00	2.22	6.666	O	|	|	|	4.12
8.750	0.00	2.21	6.651	O	|	|	|	4.11
8.833	0.00	2.21	6.636	O	|	|	|	4.10
8.917	0.00	2.21	6.621	O	|	|	|	4.10
9.000	0.00	2.20	6.605	O	|	|	|	4.09
9.083	0.00	2.20	6.590	O	|	|	|	4.08
9.167	0.00	2.20	6.575	O	|	|	|	4.07
9.250	0.00	2.19	6.560	O	|	|	|	4.06
9.333	0.00	2.19	6.545	O	|	|	|	4.06
9.417	0.00	2.19	6.530	O	|	|	|	4.05
9.500	0.00	2.19	6.515	O	|	|	|	4.04
9.583	0.00	2.18	6.500	O	|	|	|	4.03
9.667	0.00	2.18	6.485	O	|	|	|	4.02
9.750	0.00	2.18	6.470	O	|	|	|	4.02
9.833	0.00	2.17	6.455	O	|	|	|	4.01
9.917	0.00	2.17	6.440	O	|	|	|	4.00
10.000	0.00	2.17	6.425	O	|	|	|	3.99
10.083	0.00	2.16	6.410	O	|	|	|	3.98
10.167	0.00	2.16	6.395	O	|	|	|	3.97
10.250	0.00	2.15	6.380	O	|	|	|	3.97
10.333	0.00	2.15	6.365	O	|	|	|	3.96
10.417	0.00	2.15	6.351	O	|	|	|	3.95
10.500	0.00	2.14	6.336	O	|	|	|	3.94
10.583	0.00	2.14	6.321	O	|	|	|	3.93
10.667	0.00	2.13	6.306	O	|	|	|	3.92
10.750	0.00	2.13	6.292	O	|	|	|	3.92
10.833	0.00	2.13	6.277	O	|	|	|	3.91
10.917	0.00	2.12	6.262	O	|	|	|	3.90
11.000	0.00	2.12	6.248	O	|	|	|	3.89
11.083	0.00	2.11	6.233	O	|	|	|	3.88
11.167	0.00	2.11	6.219	O	|	|	|	3.88
11.250	0.00	2.11	6.204	O	|	|	|	3.87

11.333	0.00	2.10	6.190	O	|	|	|	3.86
11.417	0.00	2.10	6.175	O	|	|	|	3.85
11.500	0.00	2.09	6.161	O	|	|	|	3.84
11.583	0.00	2.09	6.146	O	|	|	|	3.83
11.667	0.00	2.09	6.132	O	|	|	|	3.83
11.750	0.00	2.08	6.118	O	|	|	|	3.82
11.833	0.00	2.08	6.103	O	|	|	|	3.81
11.917	0.00	2.08	6.089	O	|	|	|	3.80
12.000	0.00	2.07	6.075	O	|	|	|	3.79
12.083	0.00	2.07	6.060	O	|	|	|	3.79
12.167	0.00	2.06	6.046	O	|	|	|	3.78
12.250	0.00	2.06	6.032	O	|	|	|	3.77
12.333	0.00	2.06	6.018	O	|	|	|	3.76
12.417	0.00	2.05	6.004	O	|	|	|	3.75
12.500	0.00	2.05	5.990	O	|	|	|	3.75
12.583	0.00	2.04	5.975	O	|	|	|	3.74
12.667	0.00	2.04	5.961	O	|	|	|	3.73
12.750	0.00	2.04	5.947	O	|	|	|	3.72
12.833	0.00	2.03	5.933	O	|	|	|	3.72
12.917	0.00	2.03	5.919	O	|	|	|	3.71
13.000	0.00	2.03	5.905	O	|	|	|	3.70
13.083	0.00	2.02	5.891	O	|	|	|	3.69
13.167	0.00	2.02	5.877	O	|	|	|	3.68
13.250	0.00	2.01	5.864	O	|	|	|	3.68
13.333	0.00	2.01	5.850	O	|	|	|	3.67
13.417	0.00	2.01	5.836	O	|	|	|	3.66
13.500	0.00	2.00	5.822	O	|	|	|	3.65
13.583	0.00	2.00	5.808	O	|	|	|	3.65
13.667	0.00	2.00	5.795	O	|	|	|	3.64
13.750	0.00	1.99	5.781	O	|	|	|	3.63
13.833	0.00	1.99	5.767	O	|	|	|	3.62
13.917	0.00	1.98	5.753	O	|	|	|	3.61
14.000	0.00	1.98	5.740	O	|	|	|	3.61
14.083	0.00	1.98	5.726	O	|	|	|	3.60
14.167	0.00	1.97	5.713	O	|	|	|	3.59
14.250	0.00	1.97	5.699	O	|	|	|	3.58
14.333	0.00	1.97	5.685	O	|	|	|	3.58
14.417	0.00	1.96	5.672	O	|	|	|	3.57
14.500	0.00	1.96	5.658	O	|	|	|	3.56
14.583	0.00	1.96	5.645	O	|	|	|	3.55
14.667	0.00	1.95	5.631	O	|	|	|	3.55
14.750	0.00	1.95	5.618	O	|	|	|	3.54
14.833	0.00	1.94	5.605	O	|	|	|	3.53
14.917	0.00	1.94	5.591	O	|	|	|	3.52
15.000	0.00	1.94	5.578	O	|	|	|	3.52
15.083	0.00	1.93	5.565	O	|	|	|	3.51
15.167	0.00	1.93	5.551	O	|	|	|	3.50
15.250	0.00	1.93	5.538	O	|	|	|	3.49
15.333	0.00	1.92	5.525	O	|	|	|	3.49
15.417	0.00	1.92	5.511	O	|	|	|	3.48
15.500	0.00	1.92	5.498	O	|	|	|	3.47
15.583	0.00	1.91	5.485	O	|	|	|	3.46
15.667	0.00	1.91	5.472	O	|	|	|	3.46
15.750	0.00	1.91	5.459	O	|	|	|	3.45
15.833	0.00	1.90	5.446	O	|	|	|	3.44
15.917	0.00	1.90	5.433	O	|	|	|	3.43
16.000	0.00	1.89	5.419	O	|	|	|	3.43
16.083	0.00	1.89	5.406	O	|	|	|	3.42
16.167	0.00	1.89	5.393	O	|	|	|	3.41
16.250	0.00	1.88	5.380	O	|	|	|	3.40
16.333	0.00	1.88	5.367	O	|	|	|	3.40
16.417	0.00	1.88	5.355	O	|	|	|	3.39
16.500	0.00	1.87	5.342	O	|	|	|	3.38
16.583	0.00	1.87	5.329	O	|	|	|	3.38
16.667	0.00	1.87	5.316	O	|	|	|	3.37
16.750	0.00	1.86	5.303	O	|	|	|	3.36
16.833	0.00	1.86	5.290	O	|	|	|	3.35

16.917	0.00	1.86	5.277	O	|	|	|	|	3.35
17.000	0.00	1.85	5.265	O	|	|	|	|	3.34
17.083	0.00	1.85	5.252	O	|	|	|	|	3.33
17.167	0.00	1.85	5.239	O	|	|	|	|	3.33
17.250	0.00	1.84	5.226	O	|	|	|	|	3.32
17.333	0.00	1.84	5.214	O	|	|	|	|	3.31
17.417	0.00	1.84	5.201	O	|	|	|	|	3.30
17.500	0.00	1.83	5.188	O	|	|	|	|	3.30
17.583	0.00	1.83	5.176	O	|	|	|	|	3.29
17.667	0.00	1.83	5.163	O	|	|	|	|	3.28
17.750	0.00	1.82	5.151	O	|	|	|	|	3.28
17.833	0.00	1.82	5.138	O	|	|	|	|	3.27
17.917	0.00	1.82	5.126	O	|	|	|	|	3.26
18.000	0.00	1.81	5.113	O	|	|	|	|	3.25
18.083	0.00	1.81	5.101	O	|	|	|	|	3.25
18.167	0.00	1.81	5.088	O	|	|	|	|	3.24
18.250	0.00	1.80	5.076	O	|	|	|	|	3.23
18.333	0.00	1.80	5.063	O	|	|	|	|	3.23
18.417	0.00	1.80	5.051	O	|	|	|	|	3.22
18.500	0.00	1.79	5.039	O	|	|	|	|	3.21
18.583	0.00	1.79	5.026	O	|	|	|	|	3.21
18.667	0.00	1.79	5.014	O	|	|	|	|	3.20
18.750	0.00	1.78	5.002	O	|	|	|	|	3.19
18.833	0.00	1.78	4.990	O	|	|	|	|	3.19
18.917	0.00	1.78	4.977	O	|	|	|	|	3.18
19.000	0.00	1.77	4.965	O	|	|	|	|	3.17
19.083	0.00	1.77	4.953	O	|	|	|	|	3.16
19.167	0.00	1.77	4.941	O	|	|	|	|	3.16
19.250	0.00	1.76	4.929	O	|	|	|	|	3.15
19.333	0.00	1.76	4.916	O	|	|	|	|	3.14
19.417	0.00	1.76	4.904	O	|	|	|	|	3.14
19.500	0.00	1.75	4.892	O	|	|	|	|	3.13
19.583	0.00	1.75	4.880	O	|	|	|	|	3.12
19.667	0.00	1.75	4.868	O	|	|	|	|	3.12
19.750	0.00	1.74	4.856	O	|	|	|	|	3.11
19.833	0.00	1.74	4.844	O	|	|	|	|	3.10
19.917	0.00	1.74	4.832	O	|	|	|	|	3.10
20.000	0.00	1.73	4.820	O	|	|	|	|	3.09
20.083	0.00	1.73	4.808	O	|	|	|	|	3.08
20.167	0.00	1.73	4.796	O	|	|	|	|	3.08
20.250	0.00	1.72	4.784	O	|	|	|	|	3.07
20.333	0.00	1.72	4.773	O	|	|	|	|	3.06
20.417	0.00	1.72	4.761	O	|	|	|	|	3.06
20.500	0.00	1.71	4.749	O	|	|	|	|	3.05
20.583	0.00	1.71	4.737	O	|	|	|	|	3.04
20.667	0.00	1.71	4.725	O	|	|	|	|	3.04
20.750	0.00	1.70	4.714	O	|	|	|	|	3.03
20.833	0.00	1.70	4.702	O	|	|	|	|	3.02
20.917	0.00	1.70	4.690	O	|	|	|	|	3.02
21.000	0.00	1.70	4.679	O	|	|	|	|	3.01
21.083	0.00	1.69	4.667	O	|	|	|	|	3.00
21.167	0.00	1.69	4.655	O	|	|	|	|	3.00
21.250	0.00	1.68	4.644	O	|	|	|	|	2.99
21.333	0.00	1.67	4.632	O	|	|	|	|	2.98
21.417	0.00	1.67	4.621	O	|	|	|	|	2.98
21.500	0.00	1.66	4.609	O	|	|	|	|	2.97
21.583	0.00	1.65	4.598	O	|	|	|	|	2.96
21.667	0.00	1.65	4.586	O	|	|	|	|	2.96
21.750	0.00	1.64	4.575	O	|	|	|	|	2.95
21.833	0.00	1.63	4.564	O	|	|	|	|	2.94
21.917	0.00	1.63	4.553	O	|	|	|	|	2.94
22.000	0.00	1.62	4.541	O	|	|	|	|	2.93
22.083	0.00	1.61	4.530	O	|	|	|	|	2.92
22.167	0.00	1.61	4.519	O	|	|	|	|	2.92
22.250	0.00	1.60	4.508	O	|	|	|	|	2.91
22.333	0.00	1.59	4.497	O	|	|	|	|	2.90
22.417	0.00	1.59	4.486	O	|	|	|	|	2.90

22.500	0.00	1.58	4.475	O	|	|	|	|	2.89
22.583	0.00	1.57	4.464	O	|	|	|	|	2.88
22.667	0.00	1.57	4.454	O	|	|	|	|	2.88
22.750	0.00	1.56	4.443	O	|	|	|	|	2.87
22.833	0.00	1.56	4.432	O	|	|	|	|	2.86
22.917	0.00	1.55	4.421	O	|	|	|	|	2.86
23.000	0.00	1.54	4.411	O	|	|	|	|	2.85
23.083	0.00	1.54	4.400	O	|	|	|	|	2.84
23.167	0.00	1.53	4.390	O	|	|	|	|	2.84
23.250	0.00	1.52	4.379	O	|	|	|	|	2.83
23.333	0.00	1.52	4.369	O	|	|	|	|	2.82
23.417	0.00	1.51	4.358	O	|	|	|	|	2.82
23.500	0.00	1.51	4.348	O	|	|	|	|	2.81
23.583	0.00	1.50	4.337	O	|	|	|	|	2.81
23.667	0.00	1.49	4.327	O	|	|	|	|	2.80
23.750	0.00	1.49	4.317	O	|	|	|	|	2.79
23.833	0.00	1.48	4.307	O	|	|	|	|	2.79
23.917	0.00	1.48	4.296	O	|	|	|	|	2.78
24.000	0.00	1.47	4.286	O	|	|	|	|	2.77
24.083	0.00	1.46	4.276	O	|	|	|	|	2.77
24.167	0.00	1.46	4.266	O	|	|	|	|	2.76
24.250	0.00	1.45	4.256	O	|	|	|	|	2.76
24.333	0.00	1.45	4.246	O	|	|	|	|	2.75
24.417	0.00	1.44	4.236	O	|	|	|	|	2.74
24.500	0.00	1.43	4.226	O	|	|	|	|	2.74
24.583	0.00	1.43	4.216	O	|	|	|	|	2.73
24.667	0.00	1.42	4.207	O	|	|	|	|	2.73
24.750	0.00	1.42	4.197	O	|	|	|	|	2.72
24.833	0.00	1.41	4.187	O	|	|	|	|	2.72
24.917	0.00	1.41	4.177	O	|	|	|	|	2.71
25.000	0.00	1.40	4.168	O	|	|	|	|	2.70
25.083	0.00	1.39	4.158	O	|	|	|	|	2.70
25.167	0.00	1.39	4.149	O	|	|	|	|	2.69
25.250	0.00	1.38	4.139	O	|	|	|	|	2.69
25.333	0.00	1.38	4.130	O	|	|	|	|	2.68
25.417	0.00	1.37	4.120	O	|	|	|	|	2.67
25.500	0.00	1.37	4.111	O	|	|	|	|	2.67
25.583	0.00	1.36	4.101	O	|	|	|	|	2.66
25.667	0.00	1.35	4.092	O	|	|	|	|	2.66
25.750	0.00	1.35	4.083	O	|	|	|	|	2.65
25.833	0.00	1.34	4.073	O	|	|	|	|	2.65
25.917	0.00	1.34	4.064	O	|	|	|	|	2.64
26.000	0.00	1.33	4.055	O	|	|	|	|	2.64
26.083	0.00	1.33	4.046	O	|	|	|	|	2.63
26.167	0.00	1.32	4.037	O	|	|	|	|	2.62
26.250	0.00	1.32	4.028	O	|	|	|	|	2.62
26.333	0.00	1.31	4.018	O	|	|	|	|	2.61
26.417	0.00	1.31	4.009	O	|	|	|	|	2.61
26.500	0.00	1.30	4.000	O	|	|	|	|	2.60
26.583	0.00	1.30	3.992	O	|	|	|	|	2.60
26.667	0.00	1.29	3.983	O	|	|	|	|	2.59
26.750	0.00	1.28	3.974	O	|	|	|	|	2.59
26.833	0.00	1.28	3.965	O	|	|	|	|	2.58
26.917	0.00	1.27	3.956	O	|	|	|	|	2.58
27.000	0.00	1.27	3.947	O	|	|	|	|	2.57
27.083	0.00	1.26	3.939	O	|	|	|	|	2.57
27.167	0.00	1.26	3.930	O	|	|	|	|	2.56
27.250	0.00	1.25	3.921	O	|	|	|	|	2.56
27.333	0.00	1.25	3.913	O	|	|	|	|	2.55
27.417	0.00	1.24	3.904	O	|	|	|	|	2.54
27.500	0.00	1.24	3.896	O	|	|	|	|	2.54
27.583	0.00	1.23	3.887	O	|	|	|	|	2.53
27.667	0.00	1.23	3.879	O	|	|	|	|	2.53
27.750	0.00	1.22	3.870	O	|	|	|	|	2.52
27.833	0.00	1.22	3.862	O	|	|	|	|	2.52
27.917	0.00	1.21	3.853	O	|	|	|	|	2.51
28.000	0.00	1.21	3.845	O	|	|	|	|	2.51

28.083	0.00	1.20	3.837	O	|	|	|	|	2.50
28.167	0.00	1.20	3.828	O	|	|	|	|	2.50
28.250	0.00	1.19	3.820	O	|	|	|	|	2.49
28.333	0.00	1.19	3.812	O	|	|	|	|	2.49
28.417	0.00	1.18	3.804	O	|	|	|	|	2.48
28.500	0.00	1.18	3.796	O	|	|	|	|	2.48
28.583	0.00	1.17	3.788	O	|	|	|	|	2.47
28.667	0.00	1.17	3.779	O	|	|	|	|	2.47
28.750	0.00	1.17	3.771	O	|	|	|	|	2.46
28.833	0.00	1.16	3.763	O	|	|	|	|	2.46
28.917	0.00	1.16	3.755	O	|	|	|	|	2.46
29.000	0.00	1.15	3.747	O	|	|	|	|	2.45
29.083	0.00	1.15	3.740	O	|	|	|	|	2.45
29.167	0.00	1.14	3.732	O	|	|	|	|	2.44
29.250	0.00	1.14	3.724	O	|	|	|	|	2.44
29.333	0.00	1.13	3.716	O	|	|	|	|	2.43
29.417	0.00	1.13	3.708	O	|	|	|	|	2.43
29.500	0.00	1.12	3.700	O	|	|	|	|	2.42
29.583	0.00	1.12	3.693	O	|	|	|	|	2.42
29.667	0.00	1.11	3.685	O	|	|	|	|	2.41
29.750	0.00	1.11	3.677	O	|	|	|	|	2.41
29.833	0.00	1.11	3.670	O	|	|	|	|	2.40
29.917	0.00	1.10	3.662	O	|	|	|	|	2.40
30.000	0.00	1.10	3.655	O	|	|	|	|	2.39
30.083	0.00	1.09	3.647	O	|	|	|	|	2.39
30.167	0.00	1.09	3.640	O	|	|	|	|	2.39
30.250	0.00	1.08	3.632	O	|	|	|	|	2.38
30.333	0.00	1.08	3.625	O	|	|	|	|	2.38
30.417	0.00	1.07	3.617	O	|	|	|	|	2.37
30.500	0.00	1.07	3.610	O	|	|	|	|	2.37
30.583	0.00	1.07	3.603	O	|	|	|	|	2.36
30.667	0.00	1.06	3.595	O	|	|	|	|	2.36
30.750	0.00	1.06	3.588	O	|	|	|	|	2.35
30.833	0.00	1.05	3.581	O	|	|	|	|	2.35
30.917	0.00	1.05	3.573	O	|	|	|	|	2.35
31.000	0.00	1.04	3.566	O	|	|	|	|	2.34
31.083	0.00	1.04	3.559	O	|	|	|	|	2.34
31.167	0.00	1.04	3.552	O	|	|	|	|	2.33
31.250	0.00	1.03	3.545	O	|	|	|	|	2.33
31.333	0.00	1.03	3.538	O	|	|	|	|	2.32
31.417	0.00	1.02	3.531	O	|	|	|	|	2.32
31.500	0.00	1.02	3.524	O	|	|	|	|	2.32
31.583	0.00	1.01	3.517	O	|	|	|	|	2.31
31.667	0.00	1.01	3.510	O	|	|	|	|	2.31
31.750	0.00	1.01	3.503	O	|	|	|	|	2.30
31.833	0.00	1.00	3.496	O	|	|	|	|	2.30
31.917	0.00	1.00	3.489	O	|	|	|	|	2.29
32.000	0.00	0.99	3.482	O	|	|	|	|	2.29
32.083	0.00	0.99	3.475	O	|	|	|	|	2.29
32.167	0.00	0.99	3.468	O	|	|	|	|	2.28
32.250	0.00	0.98	3.462	O	|	|	|	|	2.28
32.333	0.00	0.98	3.455	O	|	|	|	|	2.27
32.417	0.00	0.97	3.448	O	|	|	|	|	2.27
32.500	0.00	0.97	3.441	O	|	|	|	|	2.27
32.583	0.00	0.97	3.435	O	|	|	|	|	2.26
32.667	0.00	0.96	3.428	O	|	|	|	|	2.26
32.750	0.00	0.96	3.421	O	|	|	|	|	2.25
32.833	0.00	0.95	3.415	O	|	|	|	|	2.25
32.917	0.00	0.95	3.408	O	|	|	|	|	2.25
33.000	0.00	0.95	3.402	O	|	|	|	|	2.24
33.083	0.00	0.94	3.395	O	|	|	|	|	2.24
33.167	0.00	0.94	3.389	O	|	|	|	|	2.23
33.250	0.00	0.94	3.382	O	|	|	|	|	2.23
33.333	0.00	0.93	3.376	O	|	|	|	|	2.23
33.417	0.00	0.93	3.369	O	|	|	|	|	2.22
33.500	0.00	0.92	3.363	O	|	|	|	|	2.22
33.583	0.00	0.92	3.357	O	|	|	|	|	2.21

33.667	0.00	0.92	3.350	O	|	|	|	|	2.21
33.750	0.00	0.91	3.344	O	|	|	|	|	2.21
33.833	0.00	0.91	3.338	O	|	|	|	|	2.20
33.917	0.00	0.91	3.332	O	|	|	|	|	2.20
34.000	0.00	0.90	3.325	O	|	|	|	|	2.20
34.083	0.00	0.90	3.319	O	|	|	|	|	2.19
34.167	0.00	0.89	3.313	O	|	|	|	|	2.19
34.250	0.00	0.89	3.307	O	|	|	|	|	2.18
34.333	0.00	0.89	3.301	O	|	|	|	|	2.18
34.417	0.00	0.88	3.295	O	|	|	|	|	2.18
34.500	0.00	0.88	3.289	O	|	|	|	|	2.17
34.583	0.00	0.88	3.282	O	|	|	|	|	2.17
34.667	0.00	0.87	3.276	O	|	|	|	|	2.17
34.750	0.00	0.87	3.270	O	|	|	|	|	2.16
34.833	0.00	0.87	3.264	O	|	|	|	|	2.16
34.917	0.00	0.86	3.258	O	|	|	|	|	2.16
35.000	0.00	0.86	3.253	O	|	|	|	|	2.15
35.083	0.00	0.86	3.247	O	|	|	|	|	2.15
35.167	0.00	0.85	3.241	O	|	|	|	|	2.15
35.250	0.00	0.85	3.235	O	|	|	|	|	2.14
35.333	0.00	0.85	3.229	O	|	|	|	|	2.14
35.417	0.00	0.84	3.223	O	|	|	|	|	2.13
35.500	0.00	0.84	3.217	O	|	|	|	|	2.13
35.583	0.00	0.84	3.212	O	|	|	|	|	2.13
35.667	0.00	0.83	3.206	O	|	|	|	|	2.12
35.750	0.00	0.83	3.200	O	|	|	|	|	2.12
35.833	0.00	0.82	3.195	O	|	|	|	|	2.12
35.917	0.00	0.82	3.189	O	|	|	|	|	2.11
36.000	0.00	0.82	3.183	O	|	|	|	|	2.11
36.083	0.00	0.81	3.178	O	|	|	|	|	2.11
36.167	0.00	0.81	3.172	O	|	|	|	|	2.10
36.250	0.00	0.81	3.166	O	|	|	|	|	2.10
36.333	0.00	0.80	3.161	O	|	|	|	|	2.10
36.417	0.00	0.80	3.155	O	|	|	|	|	2.09
36.500	0.00	0.80	3.150	O	|	|	|	|	2.09
36.583	0.00	0.80	3.144	O	|	|	|	|	2.09
36.667	0.00	0.79	3.139	O	|	|	|	|	2.08
36.750	0.00	0.79	3.133	O	|	|	|	|	2.08
36.833	0.00	0.79	3.128	O	|	|	|	|	2.08
36.917	0.00	0.78	3.123	O	|	|	|	|	2.07
37.000	0.00	0.78	3.117	O	|	|	|	|	2.07
37.083	0.00	0.78	3.112	O	|	|	|	|	2.07
37.167	0.00	0.77	3.107	O	|	|	|	|	2.06
37.250	0.00	0.77	3.101	O	|	|	|	|	2.06
37.333	0.00	0.77	3.096	O	|	|	|	|	2.06
37.417	0.00	0.76	3.091	O	|	|	|	|	2.05
37.500	0.00	0.76	3.085	O	|	|	|	|	2.05
37.583	0.00	0.76	3.080	O	|	|	|	|	2.05
37.667	0.00	0.75	3.075	O	|	|	|	|	2.05
37.750	0.00	0.75	3.070	O	|	|	|	|	2.04
37.833	0.00	0.75	3.065	O	|	|	|	|	2.04
37.917	0.00	0.75	3.060	O	|	|	|	|	2.04
38.000	0.00	0.74	3.054	O	|	|	|	|	2.03
38.083	0.00	0.74	3.049	O	|	|	|	|	2.03
38.167	0.00	0.74	3.044	O	|	|	|	|	2.03
38.250	0.00	0.73	3.039	O	|	|	|	|	2.02
38.333	0.00	0.73	3.034	O	|	|	|	|	2.02
38.417	0.00	0.73	3.029	O	|	|	|	|	2.02
38.500	0.00	0.72	3.024	O	|	|	|	|	2.01
38.583	0.00	0.72	3.019	O	|	|	|	|	2.01
38.667	0.00	0.72	3.014	O	|	|	|	|	2.01
38.750	0.00	0.72	3.009	O	|	|	|	|	2.01
38.833	0.00	0.71	3.004	O	|	|	|	|	2.00
38.917	0.00	0.71	2.999	O	|	|	|	|	2.00
39.000	0.00	0.71	2.995	O	|	|	|	|	2.00
39.083	0.00	0.71	2.990	O	|	|	|	|	1.99
39.167	0.00	0.71	2.985	O	|	|	|	|	1.99

39.250	0.00	0.71	2.980	O	|	|	|	|	1.99
39.333	0.00	0.71	2.975	O	|	|	|	|	1.98
39.417	0.00	0.71	2.970	O	|	|	|	|	1.98
39.500	0.00	0.70	2.965	O	|	|	|	|	1.98
39.583	0.00	0.70	2.960	O	|	|	|	|	1.97
39.667	0.00	0.70	2.956	O	|	|	|	|	1.97
39.750	0.00	0.70	2.951	O	|	|	|	|	1.97
39.833	0.00	0.70	2.946	O	|	|	|	|	1.97
39.917	0.00	0.70	2.941	O	|	|	|	|	1.96
40.000	0.00	0.70	2.936	O	|	|	|	|	1.96
40.083	0.00	0.70	2.931	O	|	|	|	|	1.96
40.167	0.00	0.70	2.927	O	|	|	|	|	1.95
40.250	0.00	0.70	2.922	O	|	|	|	|	1.95
40.333	0.00	0.70	2.917	O	|	|	|	|	1.95
40.417	0.00	0.70	2.912	O	|	|	|	|	1.94
40.500	0.00	0.70	2.907	O	|	|	|	|	1.94
40.583	0.00	0.69	2.903	O	|	|	|	|	1.94
40.667	0.00	0.69	2.898	O	|	|	|	|	1.93
40.750	0.00	0.69	2.893	O	|	|	|	|	1.93
40.833	0.00	0.69	2.888	O	|	|	|	|	1.93
40.917	0.00	0.69	2.884	O	|	|	|	|	1.92
41.000	0.00	0.69	2.879	O	|	|	|	|	1.92
41.083	0.00	0.69	2.874	O	|	|	|	|	1.92
41.167	0.00	0.69	2.869	O	|	|	|	|	1.92
41.250	0.00	0.69	2.865	O	|	|	|	|	1.91
41.333	0.00	0.69	2.860	O	|	|	|	|	1.91
41.417	0.00	0.69	2.855	O	|	|	|	|	1.91
41.500	0.00	0.69	2.850	O	|	|	|	|	1.90
41.583	0.00	0.69	2.846	O	|	|	|	|	1.90
41.667	0.00	0.69	2.841	O	|	|	|	|	1.90
41.750	0.00	0.68	2.836	O	|	|	|	|	1.89
41.833	0.00	0.68	2.831	O	|	|	|	|	1.89
41.917	0.00	0.68	2.827	O	|	|	|	|	1.89
42.000	0.00	0.68	2.822	O	|	|	|	|	1.89
42.083	0.00	0.68	2.817	O	|	|	|	|	1.88
42.167	0.00	0.68	2.813	O	|	|	|	|	1.88
42.250	0.00	0.68	2.808	O	|	|	|	|	1.88
42.333	0.00	0.68	2.803	O	|	|	|	|	1.87
42.417	0.00	0.68	2.799	O	|	|	|	|	1.87
42.500	0.00	0.68	2.794	O	|	|	|	|	1.87
42.583	0.00	0.68	2.789	O	|	|	|	|	1.86
42.667	0.00	0.68	2.785	O	|	|	|	|	1.86
42.750	0.00	0.68	2.780	O	|	|	|	|	1.86
42.833	0.00	0.68	2.775	O	|	|	|	|	1.86
42.917	0.00	0.67	2.771	O	|	|	|	|	1.85
43.000	0.00	0.67	2.766	O	|	|	|	|	1.85
43.083	0.00	0.67	2.761	O	|	|	|	|	1.85
43.167	0.00	0.67	2.757	O	|	|	|	|	1.84
43.250	0.00	0.67	2.752	O	|	|	|	|	1.84
43.333	0.00	0.67	2.747	O	|	|	|	|	1.84
43.417	0.00	0.67	2.743	O	|	|	|	|	1.83
43.500	0.00	0.67	2.738	O	|	|	|	|	1.83
43.583	0.00	0.67	2.734	O	|	|	|	|	1.83
43.667	0.00	0.67	2.729	O	|	|	|	|	1.83
43.750	0.00	0.67	2.724	O	|	|	|	|	1.82
43.833	0.00	0.67	2.720	O	|	|	|	|	1.82
43.917	0.00	0.67	2.715	O	|	|	|	|	1.82
44.000	0.00	0.67	2.711	O	|	|	|	|	1.81
44.083	0.00	0.66	2.706	O	|	|	|	|	1.81
44.167	0.00	0.66	2.702	O	|	|	|	|	1.81
44.250	0.00	0.66	2.697	O	|	|	|	|	1.80
44.333	0.00	0.66	2.692	O	|	|	|	|	1.80
44.417	0.00	0.66	2.688	O	|	|	|	|	1.80
44.500	0.00	0.66	2.683	O	|	|	|	|	1.80
44.583	0.00	0.66	2.679	O	|	|	|	|	1.79
44.667	0.00	0.66	2.674	O	|	|	|	|	1.79
44.750	0.00	0.66	2.670	O	|	|	|	|	1.79

44.833	0.00	0.66	2.665	O	|	|	|	1.78
44.917	0.00	0.66	2.661	O	|	|	|	1.78
45.000	0.00	0.66	2.656	O	|	|	|	1.78
45.083	0.00	0.66	2.652	O	|	|	|	1.78
45.167	0.00	0.66	2.647	O	|	|	|	1.77
45.250	0.00	0.65	2.643	O	|	|	|	1.77
45.333	0.00	0.65	2.638	O	|	|	|	1.77
45.417	0.00	0.65	2.634	O	|	|	|	1.76
45.500	0.00	0.65	2.629	O	|	|	|	1.76
45.583	0.00	0.65	2.625	O	|	|	|	1.76
45.667	0.00	0.65	2.620	O	|	|	|	1.75
45.750	0.00	0.65	2.616	O	|	|	|	1.75
45.833	0.00	0.65	2.611	O	|	|	|	1.75
45.917	0.00	0.65	2.607	O	|	|	|	1.75
46.000	0.00	0.65	2.602	O	|	|	|	1.74
46.083	0.00	0.65	2.598	O	|	|	|	1.74
46.167	0.00	0.65	2.593	O	|	|	|	1.74
46.250	0.00	0.65	2.589	O	|	|	|	1.73
46.333	0.00	0.65	2.584	O	|	|	|	1.73
46.417	0.00	0.64	2.580	O	|	|	|	1.73
46.500	0.00	0.64	2.575	O	|	|	|	1.73
46.583	0.00	0.64	2.571	O	|	|	|	1.72
46.667	0.00	0.64	2.567	O	|	|	|	1.72
46.750	0.00	0.64	2.562	O	|	|	|	1.72
46.833	0.00	0.64	2.558	O	|	|	|	1.71
46.917	0.00	0.64	2.553	O	|	|	|	1.71
47.000	0.00	0.64	2.549	O	|	|	|	1.71
47.083	0.00	0.64	2.544	O	|	|	|	1.71
47.167	0.00	0.64	2.540	O	|	|	|	1.70
47.250	0.00	0.64	2.536	O	|	|	|	1.70
47.333	0.00	0.64	2.531	O	|	|	|	1.70
47.417	0.00	0.64	2.527	O	|	|	|	1.69
47.500	0.00	0.64	2.523	O	|	|	|	1.69
47.583	0.00	0.64	2.518	O	|	|	|	1.69
47.667	0.00	0.63	2.514	O	|	|	|	1.69
47.750	0.00	0.63	2.509	O	|	|	|	1.68
47.833	0.00	0.63	2.505	O	|	|	|	1.68
47.917	0.00	0.63	2.501	O	|	|	|	1.68
48.000	0.00	0.63	2.496	O	|	|	|	1.68
48.083	0.00	0.63	2.492	O	|	|	|	1.67
48.167	0.00	0.63	2.488	O	|	|	|	1.67
48.250	0.00	0.63	2.483	O	|	|	|	1.67
48.333	0.00	0.63	2.479	O	|	|	|	1.66
48.417	0.00	0.63	2.475	O	|	|	|	1.66
48.500	0.00	0.63	2.470	O	|	|	|	1.66
48.583	0.00	0.63	2.466	O	|	|	|	1.66
48.667	0.00	0.63	2.462	O	|	|	|	1.65
48.750	0.00	0.63	2.457	O	|	|	|	1.65
48.833	0.00	0.63	2.453	O	|	|	|	1.65
48.917	0.00	0.62	2.449	O	|	|	|	1.64
49.000	0.00	0.62	2.444	O	|	|	|	1.64
49.083	0.00	0.62	2.440	O	|	|	|	1.64
49.167	0.00	0.62	2.436	O	|	|	|	1.64
49.250	0.00	0.62	2.432	O	|	|	|	1.63
49.333	0.00	0.62	2.427	O	|	|	|	1.63
49.417	0.00	0.62	2.423	O	|	|	|	1.63
49.500	0.00	0.62	2.419	O	|	|	|	1.62
49.583	0.00	0.62	2.414	O	|	|	|	1.62
49.667	0.00	0.62	2.410	O	|	|	|	1.62
49.750	0.00	0.62	2.406	O	|	|	|	1.62
49.833	0.00	0.62	2.402	O	|	|	|	1.61
49.917	0.00	0.62	2.397	O	|	|	|	1.61
50.000	0.00	0.62	2.393	O	|	|	|	1.61
50.083	0.00	0.62	2.389	O	|	|	|	1.61
50.167	0.00	0.61	2.385	O	|	|	|	1.60
50.250	0.00	0.61	2.380	O	|	|	|	1.60
50.333	0.00	0.61	2.376	O	|	|	|	1.60

50.417	0.00	0.61	2.372	O	|	|	|	|	1.59
50.500	0.00	0.61	2.368	O	|	|	|	|	1.59
50.583	0.00	0.61	2.364	O	|	|	|	|	1.59
50.667	0.00	0.61	2.359	O	|	|	|	|	1.59
50.750	0.00	0.61	2.355	O	|	|	|	|	1.58
50.833	0.00	0.61	2.351	O	|	|	|	|	1.58
50.917	0.00	0.61	2.347	O	|	|	|	|	1.58
51.000	0.00	0.61	2.343	O	|	|	|	|	1.58
51.083	0.00	0.61	2.338	O	|	|	|	|	1.57
51.167	0.00	0.61	2.334	O	|	|	|	|	1.57
51.250	0.00	0.61	2.330	O	|	|	|	|	1.57
51.333	0.00	0.61	2.326	O	|	|	|	|	1.57
51.417	0.00	0.60	2.322	O	|	|	|	|	1.56
51.500	0.00	0.60	2.318	O	|	|	|	|	1.56
51.583	0.00	0.60	2.313	O	|	|	|	|	1.56
51.667	0.00	0.60	2.309	O	|	|	|	|	1.55
51.750	0.00	0.60	2.305	O	|	|	|	|	1.55
51.833	0.00	0.60	2.301	O	|	|	|	|	1.55
51.917	0.00	0.60	2.297	O	|	|	|	|	1.55
52.000	0.00	0.60	2.293	O	|	|	|	|	1.54
52.083	0.00	0.60	2.289	O	|	|	|	|	1.54
52.167	0.00	0.60	2.284	O	|	|	|	|	1.54
52.250	0.00	0.60	2.280	O	|	|	|	|	1.54
52.333	0.00	0.60	2.276	O	|	|	|	|	1.53
52.417	0.00	0.60	2.272	O	|	|	|	|	1.53
52.500	0.00	0.60	2.268	O	|	|	|	|	1.53
52.583	0.00	0.60	2.264	O	|	|	|	|	1.53
52.667	0.00	0.60	2.260	O	|	|	|	|	1.52
52.750	0.00	0.59	2.256	O	|	|	|	|	1.52
52.833	0.00	0.59	2.252	O	|	|	|	|	1.52
52.917	0.00	0.59	2.247	O	|	|	|	|	1.51
53.000	0.00	0.59	2.243	O	|	|	|	|	1.51
53.083	0.00	0.59	2.239	O	|	|	|	|	1.51
53.167	0.00	0.59	2.235	O	|	|	|	|	1.51
53.250	0.00	0.59	2.231	O	|	|	|	|	1.50
53.333	0.00	0.59	2.227	O	|	|	|	|	1.50
53.417	0.00	0.59	2.223	O	|	|	|	|	1.50
53.500	0.00	0.59	2.219	O	|	|	|	|	1.50
53.583	0.00	0.59	2.215	O	|	|	|	|	1.49
53.667	0.00	0.59	2.211	O	|	|	|	|	1.49
53.750	0.00	0.59	2.207	O	|	|	|	|	1.49
53.833	0.00	0.59	2.203	O	|	|	|	|	1.49
53.917	0.00	0.59	2.199	O	|	|	|	|	1.48
54.000	0.00	0.59	2.195	O	|	|	|	|	1.48
54.083	0.00	0.58	2.191	O	|	|	|	|	1.48
54.167	0.00	0.58	2.187	O	|	|	|	|	1.48
54.250	0.00	0.58	2.183	O	|	|	|	|	1.47
54.333	0.00	0.58	2.179	O	|	|	|	|	1.47
54.417	0.00	0.58	2.175	O	|	|	|	|	1.47
54.500	0.00	0.58	2.171	O	|	|	|	|	1.46
54.583	0.00	0.58	2.167	O	|	|	|	|	1.46
54.667	0.00	0.58	2.163	O	|	|	|	|	1.46
54.750	0.00	0.58	2.159	O	|	|	|	|	1.46
54.833	0.00	0.58	2.155	O	|	|	|	|	1.45
54.917	0.00	0.58	2.151	O	|	|	|	|	1.45
55.000	0.00	0.58	2.147	O	|	|	|	|	1.45
55.083	0.00	0.58	2.143	O	|	|	|	|	1.45
55.167	0.00	0.58	2.139	O	|	|	|	|	1.44
55.250	0.00	0.58	2.135	O	|	|	|	|	1.44
55.333	0.00	0.58	2.131	O	|	|	|	|	1.44
55.417	0.00	0.57	2.127	O	|	|	|	|	1.44
55.500	0.00	0.57	2.123	O	|	|	|	|	1.43
55.583	0.00	0.57	2.119	O	|	|	|	|	1.43
55.667	0.00	0.57	2.115	O	|	|	|	|	1.43
55.750	0.00	0.57	2.111	O	|	|	|	|	1.43
55.833	0.00	0.57	2.107	O	|	|	|	|	1.42
55.917	0.00	0.57	2.103	O	|	|	|	|	1.42

56.000	0.00	0.57	2.099	O	|	|	|	|	1.42
56.083	0.00	0.57	2.095	O	|	|	|	|	1.42
56.167	0.00	0.57	2.091	O	|	|	|	|	1.41
56.250	0.00	0.57	2.087	O	|	|	|	|	1.41
56.333	0.00	0.57	2.083	O	|	|	|	|	1.41
56.417	0.00	0.57	2.080	O	|	|	|	|	1.41
56.500	0.00	0.57	2.076	O	|	|	|	|	1.40
56.583	0.00	0.57	2.072	O	|	|	|	|	1.40
56.667	0.00	0.57	2.068	O	|	|	|	|	1.40
56.750	0.00	0.57	2.064	O	|	|	|	|	1.40
56.833	0.00	0.56	2.060	O	|	|	|	|	1.39
56.917	0.00	0.56	2.056	O	|	|	|	|	1.39
57.000	0.00	0.56	2.052	O	|	|	|	|	1.39
57.083	0.00	0.56	2.048	O	|	|	|	|	1.39
57.167	0.00	0.56	2.045	O	|	|	|	|	1.38
57.250	0.00	0.56	2.041	O	|	|	|	|	1.38
57.333	0.00	0.56	2.037	O	|	|	|	|	1.38
57.417	0.00	0.56	2.033	O	|	|	|	|	1.38
57.500	0.00	0.56	2.029	O	|	|	|	|	1.37
57.583	0.00	0.56	2.025	O	|	|	|	|	1.37
57.667	0.00	0.56	2.021	O	|	|	|	|	1.37
57.750	0.00	0.56	2.018	O	|	|	|	|	1.37
57.833	0.00	0.56	2.014	O	|	|	|	|	1.36
57.917	0.00	0.56	2.010	O	|	|	|	|	1.36
58.000	0.00	0.56	2.006	O	|	|	|	|	1.36
58.083	0.00	0.56	2.002	O	|	|	|	|	1.36
58.167	0.00	0.55	1.998	O	|	|	|	|	1.35
58.250	0.00	0.55	1.995	O	|	|	|	|	1.35
58.333	0.00	0.55	1.991	O	|	|	|	|	1.35
58.417	0.00	0.55	1.987	O	|	|	|	|	1.35
58.500	0.00	0.55	1.983	O	|	|	|	|	1.34
58.583	0.00	0.55	1.979	O	|	|	|	|	1.34
58.667	0.00	0.55	1.976	O	|	|	|	|	1.34
58.750	0.00	0.55	1.972	O	|	|	|	|	1.34
58.833	0.00	0.55	1.968	O	|	|	|	|	1.33
58.917	0.00	0.55	1.964	O	|	|	|	|	1.33
59.000	0.00	0.55	1.960	O	|	|	|	|	1.33
59.083	0.00	0.55	1.957	O	|	|	|	|	1.33
59.167	0.00	0.55	1.953	O	|	|	|	|	1.32
59.250	0.00	0.55	1.949	O	|	|	|	|	1.32
59.333	0.00	0.55	1.945	O	|	|	|	|	1.32
59.417	0.00	0.55	1.942	O	|	|	|	|	1.32
59.500	0.00	0.55	1.938	O	|	|	|	|	1.31
59.583	0.00	0.54	1.934	O	|	|	|	|	1.31
59.667	0.00	0.54	1.930	O	|	|	|	|	1.31
59.750	0.00	0.54	1.927	O	|	|	|	|	1.31
59.833	0.00	0.54	1.923	O	|	|	|	|	1.31
59.917	0.00	0.54	1.919	O	|	|	|	|	1.30
60.000	0.00	0.54	1.915	O	|	|	|	|	1.30
60.083	0.00	0.54	1.912	O	|	|	|	|	1.30
60.167	0.00	0.54	1.908	O	|	|	|	|	1.30
60.250	0.00	0.54	1.904	O	|	|	|	|	1.29
60.333	0.00	0.54	1.900	O	|	|	|	|	1.29
60.417	0.00	0.54	1.897	O	|	|	|	|	1.29
60.500	0.00	0.54	1.893	O	|	|	|	|	1.29
60.583	0.00	0.54	1.889	O	|	|	|	|	1.28
60.667	0.00	0.54	1.886	O	|	|	|	|	1.28
60.750	0.00	0.54	1.882	O	|	|	|	|	1.28
60.833	0.00	0.54	1.878	O	|	|	|	|	1.28
60.917	0.00	0.54	1.874	O	|	|	|	|	1.27
61.000	0.00	0.54	1.871	O	|	|	|	|	1.27
61.083	0.00	0.53	1.867	O	|	|	|	|	1.27
61.167	0.00	0.53	1.863	O	|	|	|	|	1.27
61.250	0.00	0.53	1.860	O	|	|	|	|	1.26
61.333	0.00	0.53	1.856	O	|	|	|	|	1.26
61.417	0.00	0.53	1.852	O	|	|	|	|	1.26
61.500	0.00	0.53	1.849	O	|	|	|	|	1.26

61.583	0.00	0.53	1.845	O	|	|	|	|	1.25
61.667	0.00	0.53	1.841	O	|	|	|	|	1.25
61.750	0.00	0.53	1.838	O	|	|	|	|	1.25
61.833	0.00	0.53	1.834	O	|	|	|	|	1.25
61.917	0.00	0.53	1.830	O	|	|	|	|	1.25
62.000	0.00	0.53	1.827	O	|	|	|	|	1.24
62.083	0.00	0.53	1.823	O	|	|	|	|	1.24
62.167	0.00	0.53	1.820	O	|	|	|	|	1.24
62.250	0.00	0.53	1.816	O	|	|	|	|	1.24
62.333	0.00	0.53	1.812	O	|	|	|	|	1.23
62.417	0.00	0.53	1.809	O	|	|	|	|	1.23
62.500	0.00	0.52	1.805	O	|	|	|	|	1.23
62.583	0.00	0.52	1.801	O	|	|	|	|	1.23
62.667	0.00	0.52	1.798	O	|	|	|	|	1.22
62.750	0.00	0.52	1.794	O	|	|	|	|	1.22
62.833	0.00	0.52	1.791	O	|	|	|	|	1.22
62.917	0.00	0.52	1.787	O	|	|	|	|	1.22
63.000	0.00	0.52	1.783	O	|	|	|	|	1.22
63.083	0.00	0.52	1.780	O	|	|	|	|	1.21
63.167	0.00	0.52	1.776	O	|	|	|	|	1.21
63.250	0.00	0.52	1.773	O	|	|	|	|	1.21
63.333	0.00	0.52	1.769	O	|	|	|	|	1.21
63.417	0.00	0.52	1.766	O	|	|	|	|	1.20
63.500	0.00	0.52	1.762	O	|	|	|	|	1.20
63.583	0.00	0.52	1.758	O	|	|	|	|	1.20
63.667	0.00	0.52	1.755	O	|	|	|	|	1.20
63.750	0.00	0.52	1.751	O	|	|	|	|	1.19
63.833	0.00	0.52	1.748	O	|	|	|	|	1.19
63.917	0.00	0.52	1.744	O	|	|	|	|	1.19
64.000	0.00	0.51	1.741	O	|	|	|	|	1.19
64.083	0.00	0.51	1.737	O	|	|	|	|	1.19
64.167	0.00	0.51	1.734	O	|	|	|	|	1.18
64.250	0.00	0.51	1.730	O	|	|	|	|	1.18
64.333	0.00	0.51	1.726	O	|	|	|	|	1.18
64.417	0.00	0.51	1.723	O	|	|	|	|	1.18
64.500	0.00	0.51	1.719	O	|	|	|	|	1.17
64.583	0.00	0.51	1.716	O	|	|	|	|	1.17
64.667	0.00	0.51	1.712	O	|	|	|	|	1.17
64.750	0.00	0.51	1.709	O	|	|	|	|	1.17
64.833	0.00	0.51	1.705	O	|	|	|	|	1.16
64.917	0.00	0.51	1.702	O	|	|	|	|	1.16
65.000	0.00	0.51	1.698	O	|	|	|	|	1.16
65.083	0.00	0.51	1.695	O	|	|	|	|	1.16
65.167	0.00	0.51	1.691	O	|	|	|	|	1.16
65.250	0.00	0.51	1.688	O	|	|	|	|	1.15
65.333	0.00	0.51	1.684	O	|	|	|	|	1.15
65.417	0.00	0.51	1.681	O	|	|	|	|	1.15
65.500	0.00	0.51	1.677	O	|	|	|	|	1.15
65.583	0.00	0.50	1.674	O	|	|	|	|	1.14
65.667	0.00	0.50	1.670	O	|	|	|	|	1.14
65.750	0.00	0.50	1.667	O	|	|	|	|	1.14
65.833	0.00	0.50	1.663	O	|	|	|	|	1.14
65.917	0.00	0.50	1.660	O	|	|	|	|	1.14
66.000	0.00	0.50	1.657	O	|	|	|	|	1.13
66.083	0.00	0.50	1.653	O	|	|	|	|	1.13
66.167	0.00	0.50	1.650	O	|	|	|	|	1.13
66.250	0.00	0.50	1.646	O	|	|	|	|	1.13
66.333	0.00	0.50	1.643	O	|	|	|	|	1.12
66.417	0.00	0.50	1.639	O	|	|	|	|	1.12
66.500	0.00	0.50	1.636	O	|	|	|	|	1.12
66.583	0.00	0.50	1.632	O	|	|	|	|	1.12
66.667	0.00	0.50	1.629	O	|	|	|	|	1.12
66.750	0.00	0.50	1.626	O	|	|	|	|	1.11
66.833	0.00	0.50	1.622	O	|	|	|	|	1.11
66.917	0.00	0.50	1.619	O	|	|	|	|	1.11
67.000	0.00	0.50	1.615	O	|	|	|	|	1.11
67.083	0.00	0.50	1.612	O	|	|	|	|	1.10

67.167	0.00	0.49	1.609	O	|	|	|	1.10
67.250	0.00	0.49	1.605	O	|	|	|	1.10
67.333	0.00	0.49	1.602	O	|	|	|	1.10
67.417	0.00	0.49	1.598	O	|	|	|	1.10
67.500	0.00	0.49	1.595	O	|	|	|	1.09
67.583	0.00	0.49	1.592	O	|	|	|	1.09
67.667	0.00	0.49	1.588	O	|	|	|	1.09
67.750	0.00	0.49	1.585	O	|	|	|	1.09
67.833	0.00	0.49	1.581	O	|	|	|	1.08
67.917	0.00	0.49	1.578	O	|	|	|	1.08
68.000	0.00	0.49	1.575	O	|	|	|	1.08
68.083	0.00	0.49	1.571	O	|	|	|	1.08
68.167	0.00	0.49	1.568	O	|	|	|	1.08
68.250	0.00	0.49	1.565	O	|	|	|	1.07
68.333	0.00	0.49	1.561	O	|	|	|	1.07
68.417	0.00	0.49	1.558	O	|	|	|	1.07
68.500	0.00	0.49	1.554	O	|	|	|	1.07
68.583	0.00	0.49	1.551	O	|	|	|	1.07
68.667	0.00	0.49	1.548	O	|	|	|	1.06
68.750	0.00	0.48	1.544	O	|	|	|	1.06
68.833	0.00	0.48	1.541	O	|	|	|	1.06
68.917	0.00	0.48	1.538	O	|	|	|	1.06
69.000	0.00	0.48	1.534	O	|	|	|	1.05
69.083	0.00	0.48	1.531	O	|	|	|	1.05
69.167	0.00	0.48	1.528	O	|	|	|	1.05
69.250	0.00	0.48	1.524	O	|	|	|	1.05
69.333	0.00	0.48	1.521	O	|	|	|	1.05
69.417	0.00	0.48	1.518	O	|	|	|	1.04
69.500	0.00	0.48	1.515	O	|	|	|	1.04
69.583	0.00	0.48	1.511	O	|	|	|	1.04
69.667	0.00	0.48	1.508	O	|	|	|	1.04
69.750	0.00	0.48	1.505	O	|	|	|	1.04
69.833	0.00	0.48	1.501	O	|	|	|	1.03
69.917	0.00	0.48	1.498	O	|	|	|	1.03
70.000	0.00	0.48	1.495	O	|	|	|	1.03
70.083	0.00	0.48	1.492	O	|	|	|	1.03
70.167	0.00	0.48	1.488	O	|	|	|	1.02
70.250	0.00	0.48	1.485	O	|	|	|	1.02
70.333	0.00	0.47	1.482	O	|	|	|	1.02
70.417	0.00	0.47	1.478	O	|	|	|	1.02
70.500	0.00	0.47	1.475	O	|	|	|	1.02
70.583	0.00	0.47	1.472	O	|	|	|	1.01
70.667	0.00	0.47	1.469	O	|	|	|	1.01
70.750	0.00	0.47	1.465	O	|	|	|	1.01
70.833	0.00	0.47	1.462	O	|	|	|	1.01
70.917	0.00	0.47	1.459	O	|	|	|	1.01
71.000	0.00	0.47	1.456	O	|	|	|	1.00
71.083	0.00	0.47	1.452	O	|	|	|	1.00
71.167	0.00	0.47	1.449	O	|	|	|	1.00
71.250	0.00	0.47	1.446	O	|	|	|	1.00
71.333	0.00	0.47	1.443	O	|	|	|	0.99
71.417	0.00	0.47	1.439	O	|	|	|	0.99
71.500	0.00	0.47	1.436	O	|	|	|	0.99
71.583	0.00	0.46	1.433	O	|	|	|	0.99
71.667	0.00	0.46	1.430	O	|	|	|	0.99
71.750	0.00	0.46	1.427	O	|	|	|	0.98
71.833	0.00	0.46	1.423	O	|	|	|	0.98
71.917	0.00	0.46	1.420	O	|	|	|	0.98
72.000	0.00	0.46	1.417	O	|	|	|	0.98
72.083	0.00	0.46	1.414	O	|	|	|	0.98
72.167	0.00	0.46	1.411	O	|	|	|	0.97
72.250	0.00	0.46	1.408	O	|	|	|	0.97
72.333	0.00	0.46	1.405	O	|	|	|	0.97
72.417	0.00	0.45	1.401	O	|	|	|	0.97
72.500	0.00	0.45	1.398	O	|	|	|	0.96
72.583	0.00	0.45	1.395	O	|	|	|	0.96
72.667	0.00	0.45	1.392	O	|	|	|	0.96

72.750	0.00	0.45	1.389	O				0.96
72.833	0.00	0.45	1.386	O				0.96
72.917	0.00	0.45	1.383	O				0.95
73.000	0.00	0.45	1.380	O				0.95
73.083	0.00	0.45	1.377	O				0.95
73.167	0.00	0.45	1.374	O				0.95
73.250	0.00	0.44	1.370	O				0.95
73.333	0.00	0.44	1.367	O				0.94
73.417	0.00	0.44	1.364	O				0.94
73.500	0.00	0.44	1.361	O				0.94
73.583	0.00	0.44	1.358	O				0.94
73.667	0.00	0.44	1.355	O				0.93
73.750	0.00	0.44	1.352	O				0.93
73.833	0.00	0.44	1.349	O				0.93
73.917	0.00	0.44	1.346	O				0.93
74.000	0.00	0.44	1.343	O				0.93
74.083	0.00	0.43	1.340	O				0.92
74.167	0.00	0.43	1.337	O				0.92
74.250	0.00	0.43	1.334	O				0.92
74.333	0.00	0.43	1.331	O				0.92
74.417	0.00	0.43	1.328	O				0.92
74.500	0.00	0.43	1.325	O				0.91
74.583	0.00	0.43	1.322	O				0.91
74.667	0.00	0.43	1.319	O				0.91
74.750	0.00	0.43	1.317	O				0.91
74.833	0.00	0.43	1.314	O				0.91
74.917	0.00	0.42	1.311	O				0.90
75.000	0.00	0.42	1.308	O				0.90
75.083	0.00	0.42	1.305	O				0.90
75.167	0.00	0.42	1.302	O				0.90
75.250	0.00	0.42	1.299	O				0.90
75.333	0.00	0.42	1.296	O				0.89
75.417	0.00	0.42	1.293	O				0.89
75.500	0.00	0.42	1.290	O				0.89
75.583	0.00	0.42	1.287	O				0.89
75.667	0.00	0.42	1.285	O				0.89
75.750	0.00	0.42	1.282	O				0.88
75.833	0.00	0.41	1.279	O				0.88
75.917	0.00	0.41	1.276	O				0.88
76.000	0.00	0.41	1.273	O				0.88
76.083	0.00	0.41	1.270	O				0.88
76.167	0.00	0.41	1.267	O				0.87
76.250	0.00	0.41	1.265	O				0.87
76.333	0.00	0.41	1.262	O				0.87
76.417	0.00	0.41	1.259	O				0.87
76.500	0.00	0.41	1.256	O				0.87
76.583	0.00	0.41	1.253	O				0.86
76.667	0.00	0.41	1.251	O				0.86
76.750	0.00	0.40	1.248	O				0.86
76.833	0.00	0.40	1.245	O				0.86
76.917	0.00	0.40	1.242	O				0.86
77.000	0.00	0.40	1.240	O				0.85
77.083	0.00	0.40	1.237	O				0.85
77.167	0.00	0.40	1.234	O				0.85
77.250	0.00	0.40	1.231	O				0.85
77.333	0.00	0.40	1.228	O				0.85
77.417	0.00	0.40	1.226	O				0.85
77.500	0.00	0.40	1.223	O				0.84
77.583	0.00	0.40	1.220	O				0.84
77.667	0.00	0.39	1.218	O				0.84
77.750	0.00	0.39	1.215	O				0.84
77.833	0.00	0.39	1.212	O				0.84
77.917	0.00	0.39	1.209	O				0.83
78.000	0.00	0.39	1.207	O				0.83
78.083	0.00	0.39	1.204	O				0.83
78.167	0.00	0.39	1.201	O				0.83
78.250	0.00	0.39	1.199	O				0.83

78.333	0.00	0.39	1.196	O				0.82
78.417	0.00	0.39	1.193	O				0.82
78.500	0.00	0.39	1.191	O				0.82
78.583	0.00	0.39	1.188	O				0.82
78.667	0.00	0.38	1.185	O				0.82
78.750	0.00	0.38	1.183	O				0.82
78.833	0.00	0.38	1.180	O				0.81
78.917	0.00	0.38	1.177	O				0.81
79.000	0.00	0.38	1.175	O				0.81
79.083	0.00	0.38	1.172	O				0.81
79.167	0.00	0.38	1.170	O				0.81
79.250	0.00	0.38	1.167	O				0.80
79.333	0.00	0.38	1.164	O				0.80
79.417	0.00	0.38	1.162	O				0.80
79.500	0.00	0.38	1.159	O				0.80
79.583	0.00	0.37	1.157	O				0.80
79.667	0.00	0.37	1.154	O				0.80
79.750	0.00	0.37	1.151	O				0.79
79.833	0.00	0.37	1.149	O				0.79
79.917	0.00	0.37	1.146	O				0.79
80.000	0.00	0.37	1.144	O				0.79
80.083	0.00	0.37	1.141	O				0.79
80.167	0.00	0.37	1.139	O				0.79
80.250	0.00	0.37	1.136	O				0.78
80.333	0.00	0.37	1.134	O				0.78
80.417	0.00	0.37	1.131	O				0.78
80.500	0.00	0.37	1.129	O				0.78
80.583	0.00	0.36	1.126	O				0.78
80.667	0.00	0.36	1.124	O				0.77
80.750	0.00	0.36	1.121	O				0.77
80.833	0.00	0.36	1.119	O				0.77
80.917	0.00	0.36	1.116	O				0.77
81.000	0.00	0.36	1.114	O				0.77
81.083	0.00	0.36	1.111	O				0.77
81.167	0.00	0.36	1.109	O				0.76
81.250	0.00	0.36	1.106	O				0.76
81.333	0.00	0.36	1.104	O				0.76
81.417	0.00	0.36	1.101	O				0.76
81.500	0.00	0.36	1.099	O				0.76
81.583	0.00	0.36	1.096	O				0.76
81.667	0.00	0.35	1.094	O				0.75
81.750	0.00	0.35	1.091	O				0.75
81.833	0.00	0.35	1.089	O				0.75
81.917	0.00	0.35	1.087	O				0.75
82.000	0.00	0.35	1.084	O				0.75
82.083	0.00	0.35	1.082	O				0.75
82.167	0.00	0.35	1.079	O				0.74
82.250	0.00	0.35	1.077	O				0.74
82.333	0.00	0.35	1.074	O				0.74
82.417	0.00	0.35	1.072	O				0.74
82.500	0.00	0.35	1.070	O				0.74
82.583	0.00	0.35	1.067	O				0.74
82.667	0.00	0.35	1.065	O				0.73
82.750	0.00	0.34	1.063	O				0.73
82.833	0.00	0.34	1.060	O				0.73
82.917	0.00	0.34	1.058	O				0.73
83.000	0.00	0.34	1.055	O				0.73
83.083	0.00	0.34	1.053	O				0.73
83.167	0.00	0.34	1.051	O				0.72
83.250	0.00	0.34	1.048	O				0.72
83.333	0.00	0.34	1.046	O				0.72
83.417	0.00	0.34	1.044	O				0.72
83.500	0.00	0.34	1.041	O				0.72
83.583	0.00	0.34	1.039	O				0.72
83.667	0.00	0.34	1.037	O				0.72
83.750	0.00	0.34	1.034	O				0.71
83.833	0.00	0.33	1.032	O				0.71

83.917	0.00	0.33	1.030	O	|	|	|	|	0.71
84.000	0.00	0.33	1.028	O	|	|	|	|	0.71
84.083	0.00	0.33	1.025	O	|	|	|	|	0.71
84.167	0.00	0.33	1.023	O	|	|	|	|	0.71
84.250	0.00	0.33	1.021	O	|	|	|	|	0.70
84.333	0.00	0.33	1.018	O	|	|	|	|	0.70
84.417	0.00	0.33	1.016	O	|	|	|	|	0.70
84.500	0.00	0.33	1.014	O	|	|	|	|	0.70
84.583	0.00	0.33	1.012	O	|	|	|	|	0.70
84.667	0.00	0.33	1.009	O	|	|	|	|	0.70
84.750	0.00	0.33	1.007	O	|	|	|	|	0.69
84.833	0.00	0.33	1.005	O	|	|	|	|	0.69
84.917	0.00	0.32	1.003	O	|	|	|	|	0.69
85.000	0.00	0.32	1.000	O	|	|	|	|	0.69
85.083	0.00	0.32	0.998	O	|	|	|	|	0.69
85.167	0.00	0.32	0.996	O	|	|	|	|	0.69
85.250	0.00	0.32	0.994	O	|	|	|	|	0.69
85.333	0.00	0.32	0.992	O	|	|	|	|	0.68
85.417	0.00	0.32	0.989	O	|	|	|	|	0.68
85.500	0.00	0.32	0.987	O	|	|	|	|	0.68
85.583	0.00	0.32	0.985	O	|	|	|	|	0.68
85.667	0.00	0.32	0.983	O	|	|	|	|	0.68
85.750	0.00	0.32	0.981	O	|	|	|	|	0.68
85.833	0.00	0.32	0.978	O	|	|	|	|	0.67
85.917	0.00	0.32	0.976	O	|	|	|	|	0.67
86.000	0.00	0.32	0.974	O	|	|	|	|	0.67
86.083	0.00	0.31	0.972	O	|	|	|	|	0.67
86.167	0.00	0.31	0.970	O	|	|	|	|	0.67
86.250	0.00	0.31	0.967	O	|	|	|	|	0.67
86.333	0.00	0.31	0.965	O	|	|	|	|	0.67
86.417	0.00	0.31	0.963	O	|	|	|	|	0.66
86.500	0.00	0.31	0.961	O	|	|	|	|	0.66
86.583	0.00	0.31	0.959	O	|	|	|	|	0.66
86.667	0.00	0.31	0.957	O	|	|	|	|	0.66
86.750	0.00	0.31	0.955	O	|	|	|	|	0.66
86.833	0.00	0.31	0.952	O	|	|	|	|	0.66
86.917	0.00	0.31	0.950	O	|	|	|	|	0.66
87.000	0.00	0.31	0.948	O	|	|	|	|	0.65
87.083	0.00	0.31	0.946	O	|	|	|	|	0.65
87.167	0.00	0.31	0.944	O	|	|	|	|	0.65
87.250	0.00	0.31	0.942	O	|	|	|	|	0.65
87.333	0.00	0.30	0.940	O	|	|	|	|	0.65
87.417	0.00	0.30	0.938	O	|	|	|	|	0.65
87.500	0.00	0.30	0.936	O	|	|	|	|	0.65
87.583	0.00	0.30	0.934	O	|	|	|	|	0.64
87.667	0.00	0.30	0.931	O	|	|	|	|	0.64
87.750	0.00	0.30	0.929	O	|	|	|	|	0.64
87.833	0.00	0.30	0.927	O	|	|	|	|	0.64
87.917	0.00	0.30	0.925	O	|	|	|	|	0.64
88.000	0.00	0.30	0.923	O	|	|	|	|	0.64
88.083	0.00	0.30	0.921	O	|	|	|	|	0.64
88.167	0.00	0.30	0.919	O	|	|	|	|	0.63
88.250	0.00	0.30	0.917	O	|	|	|	|	0.63
88.333	0.00	0.30	0.915	O	|	|	|	|	0.63
88.417	0.00	0.30	0.913	O	|	|	|	|	0.63
88.500	0.00	0.30	0.911	O	|	|	|	|	0.63
88.583	0.00	0.29	0.909	O	|	|	|	|	0.63
88.667	0.00	0.29	0.907	O	|	|	|	|	0.63
88.750	0.00	0.29	0.905	O	|	|	|	|	0.62
88.833	0.00	0.29	0.903	O	|	|	|	|	0.62
88.917	0.00	0.29	0.901	O	|	|	|	|	0.62
89.000	0.00	0.29	0.899	O	|	|	|	|	0.62
89.083	0.00	0.29	0.897	O	|	|	|	|	0.62
89.167	0.00	0.29	0.895	O	|	|	|	|	0.62
89.250	0.00	0.29	0.893	O	|	|	|	|	0.62
89.333	0.00	0.29	0.891	O	|	|	|	|	0.61
89.417	0.00	0.29	0.889	O	|	|	|	|	0.61

89.500	0.00	0.29	0.887	O	|	|	|	|	0.61
89.583	0.00	0.29	0.885	O	|	|	|	|	0.61
89.667	0.00	0.29	0.883	O	|	|	|	|	0.61
89.750	0.00	0.29	0.881	O	|	|	|	|	0.61
89.833	0.00	0.28	0.879	O	|	|	|	|	0.61
89.917	0.00	0.28	0.877	O	|	|	|	|	0.60
90.000	0.00	0.28	0.875	O	|	|	|	|	0.60
90.083	0.00	0.28	0.873	O	|	|	|	|	0.60
90.167	0.00	0.28	0.871	O	|	|	|	|	0.60
90.250	0.00	0.28	0.869	O	|	|	|	|	0.60
90.333	0.00	0.28	0.867	O	|	|	|	|	0.60
90.417	0.00	0.28	0.865	O	|	|	|	|	0.60
90.500	0.00	0.28	0.863	O	|	|	|	|	0.60
90.583	0.00	0.28	0.861	O	|	|	|	|	0.59
90.667	0.00	0.28	0.860	O	|	|	|	|	0.59
90.750	0.00	0.28	0.858	O	|	|	|	|	0.59
90.833	0.00	0.28	0.856	O	|	|	|	|	0.59
90.917	0.00	0.28	0.854	O	|	|	|	|	0.59
91.000	0.00	0.28	0.852	O	|	|	|	|	0.59
91.083	0.00	0.28	0.850	O	|	|	|	|	0.59
91.167	0.00	0.27	0.848	O	|	|	|	|	0.58
91.250	0.00	0.27	0.846	O	|	|	|	|	0.58
91.333	0.00	0.27	0.844	O	|	|	|	|	0.58
91.417	0.00	0.27	0.842	O	|	|	|	|	0.58
91.500	0.00	0.27	0.841	O	|	|	|	|	0.58
91.583	0.00	0.27	0.839	O	|	|	|	|	0.58
91.667	0.00	0.27	0.837	O	|	|	|	|	0.58
91.750	0.00	0.27	0.835	O	|	|	|	|	0.58
91.833	0.00	0.27	0.833	O	|	|	|	|	0.57
91.917	0.00	0.27	0.831	O	|	|	|	|	0.57
92.000	0.00	0.27	0.829	O	|	|	|	|	0.57
92.083	0.00	0.27	0.828	O	|	|	|	|	0.57
92.167	0.00	0.27	0.826	O	|	|	|	|	0.57
92.250	0.00	0.27	0.824	O	|	|	|	|	0.57
92.333	0.00	0.27	0.822	O	|	|	|	|	0.57
92.417	0.00	0.27	0.820	O	|	|	|	|	0.57
92.500	0.00	0.27	0.818	O	|	|	|	|	0.56
92.583	0.00	0.26	0.816	O	|	|	|	|	0.56
92.667	0.00	0.26	0.815	O	|	|	|	|	0.56
92.750	0.00	0.26	0.813	O	|	|	|	|	0.56
92.833	0.00	0.26	0.811	O	|	|	|	|	0.56
92.917	0.00	0.26	0.809	O	|	|	|	|	0.56
93.000	0.00	0.26	0.807	O	|	|	|	|	0.56
93.083	0.00	0.26	0.806	O	|	|	|	|	0.56
93.167	0.00	0.26	0.804	O	|	|	|	|	0.55
93.250	0.00	0.26	0.802	O	|	|	|	|	0.55
93.333	0.00	0.26	0.800	O	|	|	|	|	0.55
93.417	0.00	0.26	0.798	O	|	|	|	|	0.55
93.500	0.00	0.26	0.797	O	|	|	|	|	0.55
93.583	0.00	0.26	0.795	O	|	|	|	|	0.55
93.667	0.00	0.26	0.793	O	|	|	|	|	0.55
93.750	0.00	0.26	0.791	O	|	|	|	|	0.55
93.833	0.00	0.26	0.790	O	|	|	|	|	0.54
93.917	0.00	0.26	0.788	O	|	|	|	|	0.54
94.000	0.00	0.25	0.786	O	|	|	|	|	0.54
94.083	0.00	0.25	0.784	O	|	|	|	|	0.54
94.167	0.00	0.25	0.783	O	|	|	|	|	0.54
94.250	0.00	0.25	0.781	O	|	|	|	|	0.54
94.333	0.00	0.25	0.779	O	|	|	|	|	0.54
94.417	0.00	0.25	0.777	O	|	|	|	|	0.54
94.500	0.00	0.25	0.776	O	|	|	|	|	0.53
94.583	0.00	0.25	0.774	O	|	|	|	|	0.53
94.667	0.00	0.25	0.772	O	|	|	|	|	0.53
94.750	0.00	0.25	0.770	O	|	|	|	|	0.53
94.833	0.00	0.25	0.769	O	|	|	|	|	0.53
94.917	0.00	0.25	0.767	O	|	|	|	|	0.53
95.000	0.00	0.25	0.765	O	|	|	|	|	0.53

95.083	0.00	0.25	0.764	O				0.53
95.167	0.00	0.25	0.762	O				0.53
95.250	0.00	0.25	0.760	O				0.52
95.333	0.00	0.25	0.759	O				0.52
95.417	0.00	0.25	0.757	O				0.52
95.500	0.00	0.24	0.755	O				0.52
95.583	0.00	0.24	0.753	O				0.52
95.667	0.00	0.24	0.752	O				0.52
95.750	0.00	0.24	0.750	O				0.52
95.833	0.00	0.24	0.748	O				0.52
95.917	0.00	0.24	0.747	O				0.51
96.000	0.00	0.24	0.745	O				0.51
96.083	0.00	0.24	0.743	O				0.51
96.167	0.00	0.24	0.742	O				0.51
96.250	0.00	0.24	0.740	O				0.51
96.333	0.00	0.24	0.738	O				0.51
96.417	0.00	0.24	0.737	O				0.51
96.500	0.00	0.24	0.735	O				0.51
96.583	0.00	0.24	0.734	O				0.51
96.667	0.00	0.24	0.732	O				0.50
96.750	0.00	0.24	0.730	O				0.50
96.833	0.00	0.24	0.729	O				0.50
96.917	0.00	0.24	0.727	O				0.50
97.000	0.00	0.24	0.725	O				0.50
97.083	0.00	0.23	0.724	O				0.50
97.167	0.00	0.23	0.722	O				0.50
97.250	0.00	0.23	0.721	O				0.50
97.333	0.00	0.23	0.719	O				0.50
97.417	0.00	0.23	0.717	O				0.49
97.500	0.00	0.23	0.716	O				0.49
97.583	0.00	0.23	0.714	O				0.49
97.667	0.00	0.23	0.713	O				0.49
97.750	0.00	0.23	0.711	O				0.49
97.833	0.00	0.23	0.709	O				0.49
97.917	0.00	0.23	0.708	O				0.49
98.000	0.00	0.23	0.706	O				0.49
98.083	0.00	0.23	0.705	O				0.49
98.167	0.00	0.23	0.703	O				0.48
98.250	0.00	0.23	0.701	O				0.48
98.333	0.00	0.23	0.700	O				0.48
98.417	0.00	0.23	0.698	O				0.48
98.500	0.00	0.23	0.697	O				0.48
98.583	0.00	0.23	0.695	O				0.48
98.667	0.00	0.22	0.694	O				0.48
98.750	0.00	0.22	0.692	O				0.48
98.833	0.00	0.22	0.691	O				0.48
98.917	0.00	0.22	0.689	O				0.48
99.000	0.00	0.22	0.688	O				0.47
99.083	0.00	0.22	0.686	O				0.47
99.167	0.00	0.22	0.684	O				0.47
99.250	0.00	0.22	0.683	O				0.47
99.333	0.00	0.22	0.681	O				0.47
99.417	0.00	0.22	0.680	O				0.47
99.500	0.00	0.22	0.678	O				0.47
99.583	0.00	0.22	0.677	O				0.47
99.667	0.00	0.22	0.675	O				0.47
99.750	0.00	0.22	0.674	O				0.46
99.833	0.00	0.22	0.672	O				0.46
99.917	0.00	0.22	0.671	O				0.46
100.000	0.00	0.22	0.669	O				0.46
100.083	0.00	0.22	0.668	O				0.46
100.167	0.00	0.22	0.666	O				0.46
100.250	0.00	0.22	0.665	O				0.46
100.333	0.00	0.22	0.663	O				0.46
100.417	0.00	0.21	0.662	O				0.46
100.500	0.00	0.21	0.660	O				0.46
100.583	0.00	0.21	0.659	O				0.45

100.667	0.00	0.21	0.658	O	|	|	|	|	0.45
100.750	0.00	0.21	0.656	O	|	|	|	|	0.45
100.833	0.00	0.21	0.655	O	|	|	|	|	0.45
100.917	0.00	0.21	0.653	O	|	|	|	|	0.45
101.000	0.00	0.21	0.652	O	|	|	|	|	0.45
101.083	0.00	0.21	0.650	O	|	|	|	|	0.45
101.167	0.00	0.21	0.649	O	|	|	|	|	0.45
101.250	0.00	0.21	0.647	O	|	|	|	|	0.45
101.333	0.00	0.21	0.646	O	|	|	|	|	0.45
101.417	0.00	0.21	0.644	O	|	|	|	|	0.44
101.500	0.00	0.21	0.643	O	|	|	|	|	0.44
101.583	0.00	0.21	0.642	O	|	|	|	|	0.44
101.667	0.00	0.21	0.640	O	|	|	|	|	0.44
101.750	0.00	0.21	0.639	O	|	|	|	|	0.44
101.833	0.00	0.21	0.637	O	|	|	|	|	0.44
101.917	0.00	0.21	0.636	O	|	|	|	|	0.44
102.000	0.00	0.21	0.634	O	|	|	|	|	0.44
102.083	0.00	0.21	0.633	O	|	|	|	|	0.44
102.167	0.00	0.20	0.632	O	|	|	|	|	0.44
102.250	0.00	0.20	0.630	O	|	|	|	|	0.43
102.333	0.00	0.20	0.629	O	|	|	|	|	0.43
102.417	0.00	0.20	0.627	O	|	|	|	|	0.43
102.500	0.00	0.20	0.626	O	|	|	|	|	0.43
102.583	0.00	0.20	0.625	O	|	|	|	|	0.43
102.667	0.00	0.20	0.623	O	|	|	|	|	0.43
102.750	0.00	0.20	0.622	O	|	|	|	|	0.43
102.833	0.00	0.20	0.620	O	|	|	|	|	0.43
102.917	0.00	0.20	0.619	O	|	|	|	|	0.43
103.000	0.00	0.20	0.618	O	|	|	|	|	0.43
103.083	0.00	0.20	0.616	O	|	|	|	|	0.43
103.167	0.00	0.20	0.615	O	|	|	|	|	0.42
103.250	0.00	0.20	0.614	O	|	|	|	|	0.42
103.333	0.00	0.20	0.612	O	|	|	|	|	0.42
103.417	0.00	0.20	0.611	O	|	|	|	|	0.42
103.500	0.00	0.20	0.609	O	|	|	|	|	0.42
103.583	0.00	0.20	0.608	O	|	|	|	|	0.42
103.667	0.00	0.20	0.607	O	|	|	|	|	0.42
103.750	0.00	0.20	0.605	O	|	|	|	|	0.42
103.833	0.00	0.20	0.604	O	|	|	|	|	0.42
103.917	0.00	0.20	0.603	O	|	|	|	|	0.42
104.000	0.00	0.19	0.601	O	|	|	|	|	0.41
104.083	0.00	0.19	0.600	O	|	|	|	|	0.41
104.167	0.00	0.19	0.599	O	|	|	|	|	0.41
104.250	0.00	0.19	0.597	O	|	|	|	|	0.41
104.333	0.00	0.19	0.596	O	|	|	|	|	0.41
104.417	0.00	0.19	0.595	O	|	|	|	|	0.41
104.500	0.00	0.19	0.593	O	|	|	|	|	0.41
104.583	0.00	0.19	0.592	O	|	|	|	|	0.41
104.667	0.00	0.19	0.591	O	|	|	|	|	0.41
104.750	0.00	0.19	0.589	O	|	|	|	|	0.41
104.833	0.00	0.19	0.588	O	|	|	|	|	0.41
104.917	0.00	0.19	0.587	O	|	|	|	|	0.40
105.000	0.00	0.19	0.585	O	|	|	|	|	0.40
105.083	0.00	0.19	0.584	O	|	|	|	|	0.40
105.167	0.00	0.19	0.583	O	|	|	|	|	0.40
105.250	0.00	0.19	0.582	O	|	|	|	|	0.40
105.333	0.00	0.19	0.580	O	|	|	|	|	0.40
105.417	0.00	0.19	0.579	O	|	|	|	|	0.40
105.500	0.00	0.19	0.578	O	|	|	|	|	0.40
105.583	0.00	0.19	0.576	O	|	|	|	|	0.40
105.667	0.00	0.19	0.575	O	|	|	|	|	0.40
105.750	0.00	0.19	0.574	O	|	|	|	|	0.40
105.833	0.00	0.19	0.573	O	|	|	|	|	0.39
105.917	0.00	0.19	0.571	O	|	|	|	|	0.39
106.000	0.00	0.18	0.570	O	|	|	|	|	0.39
106.083	0.00	0.18	0.569	O	|	|	|	|	0.39
106.167	0.00	0.18	0.567	O	|	|	|	|	0.39

106.250	0.00	0.18	0.566	O	|	|	|	0.39
106.333	0.00	0.18	0.565	O	|	|	|	0.39
106.417	0.00	0.18	0.564	O	|	|	|	0.39
106.500	0.00	0.18	0.562	O	|	|	|	0.39
106.583	0.00	0.18	0.561	O	|	|	|	0.39
106.667	0.00	0.18	0.560	O	|	|	|	0.39
106.750	0.00	0.18	0.559	O	|	|	|	0.39
106.833	0.00	0.18	0.557	O	|	|	|	0.38
106.917	0.00	0.18	0.556	O	|	|	|	0.38
107.000	0.00	0.18	0.555	O	|	|	|	0.38
107.083	0.00	0.18	0.554	O	|	|	|	0.38
107.167	0.00	0.18	0.552	O	|	|	|	0.38
107.250	0.00	0.18	0.551	O	|	|	|	0.38
107.333	0.00	0.18	0.550	O	|	|	|	0.38
107.417	0.00	0.18	0.549	O	|	|	|	0.38
107.500	0.00	0.18	0.548	O	|	|	|	0.38
107.583	0.00	0.18	0.546	O	|	|	|	0.38
107.667	0.00	0.18	0.545	O	|	|	|	0.38
107.750	0.00	0.18	0.544	O	|	|	|	0.38
107.833	0.00	0.18	0.543	O	|	|	|	0.37
107.917	0.00	0.18	0.541	O	|	|	|	0.37
108.000	0.00	0.18	0.540	O	|	|	|	0.37
108.083	0.00	0.17	0.539	O	|	|	|	0.37
108.167	0.00	0.17	0.538	O	|	|	|	0.37
108.250	0.00	0.17	0.537	O	|	|	|	0.37
108.333	0.00	0.17	0.535	O	|	|	|	0.37
108.417	0.00	0.17	0.534	O	|	|	|	0.37
108.500	0.00	0.17	0.533	O	|	|	|	0.37
108.583	0.00	0.17	0.532	O	|	|	|	0.37
108.667	0.00	0.17	0.531	O	|	|	|	0.37
108.750	0.00	0.17	0.530	O	|	|	|	0.37
108.833	0.00	0.17	0.528	O	|	|	|	0.36
108.917	0.00	0.17	0.527	O	|	|	|	0.36
109.000	0.00	0.17	0.526	O	|	|	|	0.36
109.083	0.00	0.17	0.525	O	|	|	|	0.36
109.167	0.00	0.17	0.524	O	|	|	|	0.36
109.250	0.00	0.17	0.522	O	|	|	|	0.36
109.333	0.00	0.17	0.521	O	|	|	|	0.36
109.417	0.00	0.17	0.520	O	|	|	|	0.36
109.500	0.00	0.17	0.519	O	|	|	|	0.36
109.583	0.00	0.17	0.518	O	|	|	|	0.36
109.667	0.00	0.17	0.517	O	|	|	|	0.36
109.750	0.00	0.17	0.516	O	|	|	|	0.36
109.833	0.00	0.17	0.514	O	|	|	|	0.35
109.917	0.00	0.17	0.513	O	|	|	|	0.35
110.000	0.00	0.17	0.512	O	|	|	|	0.35
110.083	0.00	0.17	0.511	O	|	|	|	0.35
110.167	0.00	0.17	0.510	O	|	|	|	0.35
110.250	0.00	0.16	0.509	O	|	|	|	0.35
110.333	0.00	0.16	0.508	O	|	|	|	0.35
110.417	0.00	0.16	0.506	O	|	|	|	0.35
110.500	0.00	0.16	0.505	O	|	|	|	0.35
110.583	0.00	0.16	0.504	O	|	|	|	0.35
110.667	0.00	0.16	0.503	O	|	|	|	0.35
110.750	0.00	0.16	0.502	O	|	|	|	0.35
110.833	0.00	0.16	0.501	O	|	|	|	0.35
110.917	0.00	0.16	0.500	O	|	|	|	0.34
111.000	0.00	0.16	0.499	O	|	|	|	0.34
111.083	0.00	0.16	0.497	O	|	|	|	0.34
111.167	0.00	0.16	0.496	O	|	|	|	0.34
111.250	0.00	0.16	0.495	O	|	|	|	0.34
111.333	0.00	0.16	0.494	O	|	|	|	0.34
111.417	0.00	0.16	0.493	O	|	|	|	0.34
111.500	0.00	0.16	0.492	O	|	|	|	0.34
111.583	0.00	0.16	0.491	O	|	|	|	0.34
111.667	0.00	0.16	0.490	O	|	|	|	0.34
111.750	0.00	0.16	0.489	O	|	|	|	0.34

111.833	0.00	0.16	0.488	O	|	|	|	|	0.34
111.917	0.00	0.16	0.486	O	|	|	|	|	0.34
112.000	0.00	0.16	0.485	O	|	|	|	|	0.33
112.083	0.00	0.16	0.484	O	|	|	|	|	0.33
112.167	0.00	0.16	0.483	O	|	|	|	|	0.33
112.250	0.00	0.16	0.482	O	|	|	|	|	0.33
112.333	0.00	0.16	0.481	O	|	|	|	|	0.33
112.417	0.00	0.16	0.480	O	|	|	|	|	0.33
112.500	0.00	0.16	0.479	O	|	|	|	|	0.33
112.583	0.00	0.15	0.478	O	|	|	|	|	0.33
112.667	0.00	0.15	0.477	O	|	|	|	|	0.33
112.750	0.00	0.15	0.476	O	|	|	|	|	0.33
112.833	0.00	0.15	0.475	O	|	|	|	|	0.33
112.917	0.00	0.15	0.474	O	|	|	|	|	0.33
113.000	0.00	0.15	0.473	O	|	|	|	|	0.33
113.083	0.00	0.15	0.471	O	|	|	|	|	0.33
113.167	0.00	0.15	0.470	O	|	|	|	|	0.32
113.250	0.00	0.15	0.469	O	|	|	|	|	0.32
113.333	0.00	0.15	0.468	O	|	|	|	|	0.32
113.417	0.00	0.15	0.467	O	|	|	|	|	0.32
113.500	0.00	0.15	0.466	O	|	|	|	|	0.32
113.583	0.00	0.15	0.465	O	|	|	|	|	0.32
113.667	0.00	0.15	0.464	O	|	|	|	|	0.32
113.750	0.00	0.15	0.463	O	|	|	|	|	0.32
113.833	0.00	0.15	0.462	O	|	|	|	|	0.32
113.917	0.00	0.15	0.461	O	|	|	|	|	0.32
114.000	0.00	0.15	0.460	O	|	|	|	|	0.32
114.083	0.00	0.15	0.459	O	|	|	|	|	0.32
114.167	0.00	0.15	0.458	O	|	|	|	|	0.32
114.250	0.00	0.15	0.457	O	|	|	|	|	0.32
114.333	0.00	0.15	0.456	O	|	|	|	|	0.31
114.417	0.00	0.15	0.455	O	|	|	|	|	0.31
114.500	0.00	0.15	0.454	O	|	|	|	|	0.31
114.583	0.00	0.15	0.453	O	|	|	|	|	0.31
114.667	0.00	0.15	0.452	O	|	|	|	|	0.31
114.750	0.00	0.15	0.451	O	|	|	|	|	0.31
114.833	0.00	0.15	0.450	O	|	|	|	|	0.31
114.917	0.00	0.15	0.449	O	|	|	|	|	0.31
115.000	0.00	0.15	0.448	O	|	|	|	|	0.31
115.083	0.00	0.14	0.447	O	|	|	|	|	0.31
115.167	0.00	0.14	0.446	O	|	|	|	|	0.31
115.250	0.00	0.14	0.445	O	|	|	|	|	0.31
115.333	0.00	0.14	0.444	O	|	|	|	|	0.31
115.417	0.00	0.14	0.443	O	|	|	|	|	0.31
115.500	0.00	0.14	0.442	O	|	|	|	|	0.30
115.583	0.00	0.14	0.441	O	|	|	|	|	0.30
115.667	0.00	0.14	0.440	O	|	|	|	|	0.30
115.750	0.00	0.14	0.439	O	|	|	|	|	0.30
115.833	0.00	0.14	0.438	O	|	|	|	|	0.30
115.917	0.00	0.14	0.437	O	|	|	|	|	0.30
116.000	0.00	0.14	0.436	O	|	|	|	|	0.30
116.083	0.00	0.14	0.435	O	|	|	|	|	0.30
116.167	0.00	0.14	0.434	O	|	|	|	|	0.30
116.250	0.00	0.14	0.433	O	|	|	|	|	0.30
116.333	0.00	0.14	0.432	O	|	|	|	|	0.30
116.417	0.00	0.14	0.431	O	|	|	|	|	0.30
116.500	0.00	0.14	0.430	O	|	|	|	|	0.30
116.583	0.00	0.14	0.429	O	|	|	|	|	0.30
116.667	0.00	0.14	0.428	O	|	|	|	|	0.30
116.750	0.00	0.14	0.427	O	|	|	|	|	0.29
116.833	0.00	0.14	0.426	O	|	|	|	|	0.29
116.917	0.00	0.14	0.425	O	|	|	|	|	0.29
117.000	0.00	0.14	0.425	O	|	|	|	|	0.29
117.083	0.00	0.14	0.424	O	|	|	|	|	0.29
117.167	0.00	0.14	0.423	O	|	|	|	|	0.29
117.250	0.00	0.14	0.422	O	|	|	|	|	0.29
117.333	0.00	0.14	0.421	O	|	|	|	|	0.29

117.417	0.00	0.14	0.420	O	|	|	|	|	0.29
117.500	0.00	0.14	0.419	O	|	|	|	|	0.29
117.583	0.00	0.14	0.418	O	|	|	|	|	0.29
117.667	0.00	0.14	0.417	O	|	|	|	|	0.29
117.750	0.00	0.13	0.416	O	|	|	|	|	0.29
117.833	0.00	0.13	0.415	O	|	|	|	|	0.29
117.917	0.00	0.13	0.414	O	|	|	|	|	0.29
118.000	0.00	0.13	0.413	O	|	|	|	|	0.29
118.083	0.00	0.13	0.412	O	|	|	|	|	0.28
118.167	0.00	0.13	0.411	O	|	|	|	|	0.28
118.250	0.00	0.13	0.411	O	|	|	|	|	0.28
118.333	0.00	0.13	0.410	O	|	|	|	|	0.28
118.417	0.00	0.13	0.409	O	|	|	|	|	0.28
118.500	0.00	0.13	0.408	O	|	|	|	|	0.28
118.583	0.00	0.13	0.407	O	|	|	|	|	0.28
118.667	0.00	0.13	0.406	O	|	|	|	|	0.28
118.750	0.00	0.13	0.405	O	|	|	|	|	0.28
118.833	0.00	0.13	0.404	O	|	|	|	|	0.28
118.917	0.00	0.13	0.403	O	|	|	|	|	0.28
119.000	0.00	0.13	0.402	O	|	|	|	|	0.28
119.083	0.00	0.13	0.401	O	|	|	|	|	0.28
119.167	0.00	0.13	0.401	O	|	|	|	|	0.28
119.250	0.00	0.13	0.400	O	|	|	|	|	0.28
119.333	0.00	0.13	0.399	O	|	|	|	|	0.28
119.417	0.00	0.13	0.398	O	|	|	|	|	0.27
119.500	0.00	0.13	0.397	O	|	|	|	|	0.27
119.583	0.00	0.13	0.396	O	|	|	|	|	0.27
119.667	0.00	0.13	0.395	O	|	|	|	|	0.27
119.750	0.00	0.13	0.394	O	|	|	|	|	0.27
119.833	0.00	0.13	0.393	O	|	|	|	|	0.27
119.917	0.00	0.13	0.393	O	|	|	|	|	0.27
120.000	0.00	0.13	0.392	O	|	|	|	|	0.27
120.083	0.00	0.13	0.391	O	|	|	|	|	0.27
120.167	0.00	0.13	0.390	O	|	|	|	|	0.27
120.250	0.00	0.13	0.389	O	|	|	|	|	0.27
120.333	0.00	0.13	0.388	O	|	|	|	|	0.27
120.417	0.00	0.13	0.387	O	|	|	|	|	0.27
120.500	0.00	0.13	0.387	O	|	|	|	|	0.27
120.583	0.00	0.13	0.386	O	|	|	|	|	0.27
120.667	0.00	0.12	0.385	O	|	|	|	|	0.27
120.750	0.00	0.12	0.384	O	|	|	|	|	0.26
120.833	0.00	0.12	0.383	O	|	|	|	|	0.26
120.917	0.00	0.12	0.382	O	|	|	|	|	0.26
121.000	0.00	0.12	0.381	O	|	|	|	|	0.26
121.083	0.00	0.12	0.381	O	|	|	|	|	0.26
121.167	0.00	0.12	0.380	O	|	|	|	|	0.26
121.250	0.00	0.12	0.379	O	|	|	|	|	0.26
121.333	0.00	0.12	0.378	O	|	|	|	|	0.26
121.417	0.00	0.12	0.377	O	|	|	|	|	0.26
121.500	0.00	0.12	0.376	O	|	|	|	|	0.26
121.583	0.00	0.12	0.375	O	|	|	|	|	0.26
121.667	0.00	0.12	0.375	O	|	|	|	|	0.26
121.750	0.00	0.12	0.374	O	|	|	|	|	0.26
121.833	0.00	0.12	0.373	O	|	|	|	|	0.26
121.917	0.00	0.12	0.372	O	|	|	|	|	0.26
122.000	0.00	0.12	0.371	O	|	|	|	|	0.26
122.083	0.00	0.12	0.370	O	|	|	|	|	0.26
122.167	0.00	0.12	0.370	O	|	|	|	|	0.25
122.250	0.00	0.12	0.369	O	|	|	|	|	0.25
122.333	0.00	0.12	0.368	O	|	|	|	|	0.25
122.417	0.00	0.12	0.367	O	|	|	|	|	0.25
122.500	0.00	0.12	0.366	O	|	|	|	|	0.25
122.583	0.00	0.12	0.366	O	|	|	|	|	0.25
122.667	0.00	0.12	0.365	O	|	|	|	|	0.25
122.750	0.00	0.12	0.364	O	|	|	|	|	0.25
122.833	0.00	0.12	0.363	O	|	|	|	|	0.25
122.917	0.00	0.12	0.362	O	|	|	|	|	0.25

123.000	0.00	0.12	0.361	O	|	|	|	|	0.25
123.083	0.00	0.12	0.361	O	|	|	|	|	0.25
123.167	0.00	0.12	0.360	O	|	|	|	|	0.25
123.250	0.00	0.12	0.359	O	|	|	|	|	0.25
123.333	0.00	0.12	0.358	O	|	|	|	|	0.25
123.417	0.00	0.12	0.357	O	|	|	|	|	0.25
123.500	0.00	0.12	0.357	O	|	|	|	|	0.25
123.583	0.00	0.12	0.356	O	|	|	|	|	0.25
123.667	0.00	0.12	0.355	O	|	|	|	|	0.24
123.750	0.00	0.11	0.354	O	|	|	|	|	0.24
123.833	0.00	0.11	0.353	O	|	|	|	|	0.24
123.917	0.00	0.11	0.353	O	|	|	|	|	0.24
124.000	0.00	0.11	0.352	O	|	|	|	|	0.24
124.083	0.00	0.11	0.351	O	|	|	|	|	0.24
124.167	0.00	0.11	0.350	O	|	|	|	|	0.24
124.250	0.00	0.11	0.350	O	|	|	|	|	0.24
124.333	0.00	0.11	0.349	O	|	|	|	|	0.24
124.417	0.00	0.11	0.348	O	|	|	|	|	0.24
124.500	0.00	0.11	0.347	O	|	|	|	|	0.24
124.583	0.00	0.11	0.346	O	|	|	|	|	0.24
124.667	0.00	0.11	0.346	O	|	|	|	|	0.24
124.750	0.00	0.11	0.345	O	|	|	|	|	0.24
124.833	0.00	0.11	0.344	O	|	|	|	|	0.24
124.917	0.00	0.11	0.343	O	|	|	|	|	0.24
125.000	0.00	0.11	0.343	O	|	|	|	|	0.24
125.083	0.00	0.11	0.342	O	|	|	|	|	0.24
125.167	0.00	0.11	0.341	O	|	|	|	|	0.24
125.250	0.00	0.11	0.340	O	|	|	|	|	0.23
125.333	0.00	0.11	0.340	O	|	|	|	|	0.23
125.417	0.00	0.11	0.339	O	|	|	|	|	0.23
125.500	0.00	0.11	0.338	O	|	|	|	|	0.23
125.583	0.00	0.11	0.337	O	|	|	|	|	0.23
125.667	0.00	0.11	0.337	O	|	|	|	|	0.23
125.750	0.00	0.11	0.336	O	|	|	|	|	0.23
125.833	0.00	0.11	0.335	O	|	|	|	|	0.23
125.917	0.00	0.11	0.334	O	|	|	|	|	0.23
126.000	0.00	0.11	0.334	O	|	|	|	|	0.23
126.083	0.00	0.11	0.333	O	|	|	|	|	0.23
126.167	0.00	0.11	0.332	O	|	|	|	|	0.23
126.250	0.00	0.11	0.331	O	|	|	|	|	0.23
126.333	0.00	0.11	0.331	O	|	|	|	|	0.23
126.417	0.00	0.11	0.330	O	|	|	|	|	0.23
126.500	0.00	0.11	0.329	O	|	|	|	|	0.23
126.583	0.00	0.11	0.328	O	|	|	|	|	0.23
126.667	0.00	0.11	0.328	O	|	|	|	|	0.23
126.750	0.00	0.11	0.327	O	|	|	|	|	0.23
126.833	0.00	0.11	0.326	O	|	|	|	|	0.22
126.917	0.00	0.11	0.325	O	|	|	|	|	0.22
127.000	0.00	0.11	0.325	O	|	|	|	|	0.22
127.083	0.00	0.11	0.324	O	|	|	|	|	0.22
127.167	0.00	0.10	0.323	O	|	|	|	|	0.22
127.250	0.00	0.10	0.323	O	|	|	|	|	0.22
127.333	0.00	0.10	0.322	O	|	|	|	|	0.22
127.417	0.00	0.10	0.321	O	|	|	|	|	0.22
127.500	0.00	0.10	0.320	O	|	|	|	|	0.22
127.583	0.00	0.10	0.320	O	|	|	|	|	0.22
127.667	0.00	0.10	0.319	O	|	|	|	|	0.22
127.750	0.00	0.10	0.318	O	|	|	|	|	0.22
127.833	0.00	0.10	0.318	O	|	|	|	|	0.22
127.917	0.00	0.10	0.317	O	|	|	|	|	0.22
128.000	0.00	0.10	0.316	O	|	|	|	|	0.22
128.083	0.00	0.10	0.315	O	|	|	|	|	0.22
128.167	0.00	0.10	0.315	O	|	|	|	|	0.22
128.250	0.00	0.10	0.314	O	|	|	|	|	0.22
128.333	0.00	0.10	0.313	O	|	|	|	|	0.22
128.417	0.00	0.10	0.313	O	|	|	|	|	0.22
128.500	0.00	0.10	0.312	O	|	|	|	|	0.22

128.583	0.00	0.10	0.311	O	|	|	|	|	0.21
128.667	0.00	0.10	0.311	O	|	|	|	|	0.21
128.750	0.00	0.10	0.310	O	|	|	|	|	0.21
128.833	0.00	0.10	0.309	O	|	|	|	|	0.21
128.917	0.00	0.10	0.308	O	|	|	|	|	0.21
129.000	0.00	0.10	0.308	O	|	|	|	|	0.21
129.083	0.00	0.10	0.307	O	|	|	|	|	0.21
129.167	0.00	0.10	0.306	O	|	|	|	|	0.21
129.250	0.00	0.10	0.306	O	|	|	|	|	0.21
129.333	0.00	0.10	0.305	O	|	|	|	|	0.21
129.417	0.00	0.10	0.304	O	|	|	|	|	0.21
129.500	0.00	0.10	0.304	O	|	|	|	|	0.21
129.583	0.00	0.10	0.303	O	|	|	|	|	0.21
129.667	0.00	0.10	0.302	O	|	|	|	|	0.21
129.750	0.00	0.10	0.302	O	|	|	|	|	0.21
129.833	0.00	0.10	0.301	O	|	|	|	|	0.21
129.917	0.00	0.10	0.300	O	|	|	|	|	0.21
130.000	0.00	0.10	0.300	O	|	|	|	|	0.21
130.083	0.00	0.10	0.299	O	|	|	|	|	0.21
130.167	0.00	0.10	0.298	O	|	|	|	|	0.21
130.250	0.00	0.10	0.298	O	|	|	|	|	0.21
130.333	0.00	0.10	0.297	O	|	|	|	|	0.20
130.417	0.00	0.10	0.296	O	|	|	|	|	0.20
130.500	0.00	0.10	0.296	O	|	|	|	|	0.20
130.583	0.00	0.10	0.295	O	|	|	|	|	0.20
130.667	0.00	0.10	0.294	O	|	|	|	|	0.20
130.750	0.00	0.10	0.294	O	|	|	|	|	0.20
130.833	0.00	0.09	0.293	O	|	|	|	|	0.20
130.917	0.00	0.09	0.292	O	|	|	|	|	0.20
131.000	0.00	0.09	0.292	O	|	|	|	|	0.20
131.083	0.00	0.09	0.291	O	|	|	|	|	0.20
131.167	0.00	0.09	0.290	O	|	|	|	|	0.20
131.250	0.00	0.09	0.290	O	|	|	|	|	0.20
131.333	0.00	0.09	0.289	O	|	|	|	|	0.20
131.417	0.00	0.09	0.289	O	|	|	|	|	0.20
131.500	0.00	0.09	0.288	O	|	|	|	|	0.20
131.583	0.00	0.09	0.287	O	|	|	|	|	0.20
131.667	0.00	0.09	0.287	O	|	|	|	|	0.20
131.750	0.00	0.09	0.286	O	|	|	|	|	0.20
131.833	0.00	0.09	0.285	O	|	|	|	|	0.20
131.917	0.00	0.09	0.285	O	|	|	|	|	0.20
132.000	0.00	0.09	0.284	O	|	|	|	|	0.20
132.083	0.00	0.09	0.283	O	|	|	|	|	0.20
132.167	0.00	0.09	0.283	O	|	|	|	|	0.20
132.250	0.00	0.09	0.282	O	|	|	|	|	0.19
132.333	0.00	0.09	0.282	O	|	|	|	|	0.19
132.417	0.00	0.09	0.281	O	|	|	|	|	0.19
132.500	0.00	0.09	0.280	O	|	|	|	|	0.19
132.583	0.00	0.09	0.280	O	|	|	|	|	0.19
132.667	0.00	0.09	0.279	O	|	|	|	|	0.19
132.750	0.00	0.09	0.278	O	|	|	|	|	0.19
132.833	0.00	0.09	0.278	O	|	|	|	|	0.19
132.917	0.00	0.09	0.277	O	|	|	|	|	0.19
133.000	0.00	0.09	0.277	O	|	|	|	|	0.19
133.083	0.00	0.09	0.276	O	|	|	|	|	0.19
133.167	0.00	0.09	0.275	O	|	|	|	|	0.19
133.250	0.00	0.09	0.275	O	|	|	|	|	0.19
133.333	0.00	0.09	0.274	O	|	|	|	|	0.19
133.417	0.00	0.09	0.273	O	|	|	|	|	0.19
133.500	0.00	0.09	0.273	O	|	|	|	|	0.19
133.583	0.00	0.09	0.272	O	|	|	|	|	0.19
133.667	0.00	0.09	0.272	O	|	|	|	|	0.19
133.750	0.00	0.09	0.271	O	|	|	|	|	0.19
133.833	0.00	0.09	0.270	O	|	|	|	|	0.19
133.917	0.00	0.09	0.270	O	|	|	|	|	0.19
134.000	0.00	0.09	0.269	O	|	|	|	|	0.19
134.083	0.00	0.09	0.269	O	|	|	|	|	0.19

134.167	0.00	0.09	0.268	O	|	|	|	|	0.18
134.250	0.00	0.09	0.267	O	|	|	|	|	0.18
134.333	0.00	0.09	0.267	O	|	|	|	|	0.18
134.417	0.00	0.09	0.266	O	|	|	|	|	0.18
134.500	0.00	0.09	0.266	O	|	|	|	|	0.18
134.583	0.00	0.09	0.265	O	|	|	|	|	0.18
134.667	0.00	0.09	0.264	O	|	|	|	|	0.18
134.750	0.00	0.09	0.264	O	|	|	|	|	0.18
134.833	0.00	0.09	0.263	O	|	|	|	|	0.18
134.917	0.00	0.09	0.263	O	|	|	|	|	0.18
135.000	0.00	0.08	0.262	O	|	|	|	|	0.18
135.083	0.00	0.08	0.262	O	|	|	|	|	0.18
135.167	0.00	0.08	0.261	O	|	|	|	|	0.18
135.250	0.00	0.08	0.260	O	|	|	|	|	0.18
135.333	0.00	0.08	0.260	O	|	|	|	|	0.18
135.417	0.00	0.08	0.259	O	|	|	|	|	0.18
135.500	0.00	0.08	0.259	O	|	|	|	|	0.18
135.583	0.00	0.08	0.258	O	|	|	|	|	0.18
135.667	0.00	0.08	0.257	O	|	|	|	|	0.18
135.750	0.00	0.08	0.257	O	|	|	|	|	0.18
135.833	0.00	0.08	0.256	O	|	|	|	|	0.18
135.917	0.00	0.08	0.256	O	|	|	|	|	0.18
136.000	0.00	0.08	0.255	O	|	|	|	|	0.18
136.083	0.00	0.08	0.255	O	|	|	|	|	0.18
136.167	0.00	0.08	0.254	O	|	|	|	|	0.18
136.250	0.00	0.08	0.253	O	|	|	|	|	0.17
136.333	0.00	0.08	0.253	O	|	|	|	|	0.17
136.417	0.00	0.08	0.252	O	|	|	|	|	0.17
136.500	0.00	0.08	0.252	O	|	|	|	|	0.17
136.583	0.00	0.08	0.251	O	|	|	|	|	0.17
136.667	0.00	0.08	0.251	O	|	|	|	|	0.17
136.750	0.00	0.08	0.250	O	|	|	|	|	0.17
136.833	0.00	0.08	0.250	O	|	|	|	|	0.17
136.917	0.00	0.08	0.249	O	|	|	|	|	0.17
137.000	0.00	0.08	0.248	O	|	|	|	|	0.17
137.083	0.00	0.08	0.248	O	|	|	|	|	0.17
137.167	0.00	0.08	0.247	O	|	|	|	|	0.17
137.250	0.00	0.08	0.247	O	|	|	|	|	0.17
137.333	0.00	0.08	0.246	O	|	|	|	|	0.17
137.417	0.00	0.08	0.246	O	|	|	|	|	0.17
137.500	0.00	0.08	0.245	O	|	|	|	|	0.17
137.583	0.00	0.08	0.245	O	|	|	|	|	0.17
137.667	0.00	0.08	0.244	O	|	|	|	|	0.17
137.750	0.00	0.08	0.243	O	|	|	|	|	0.17
137.833	0.00	0.08	0.243	O	|	|	|	|	0.17
137.917	0.00	0.08	0.242	O	|	|	|	|	0.17
138.000	0.00	0.08	0.242	O	|	|	|	|	0.17
138.083	0.00	0.08	0.241	O	|	|	|	|	0.17
138.167	0.00	0.08	0.241	O	|	|	|	|	0.17
138.250	0.00	0.08	0.240	O	|	|	|	|	0.17
138.333	0.00	0.08	0.240	O	|	|	|	|	0.17
138.417	0.00	0.08	0.239	O	|	|	|	|	0.16
138.500	0.00	0.08	0.239	O	|	|	|	|	0.16
138.583	0.00	0.08	0.238	O	|	|	|	|	0.16
138.667	0.00	0.08	0.238	O	|	|	|	|	0.16
138.750	0.00	0.08	0.237	O	|	|	|	|	0.16
138.833	0.00	0.08	0.237	O	|	|	|	|	0.16
138.917	0.00	0.08	0.236	O	|	|	|	|	0.16
139.000	0.00	0.08	0.235	O	|	|	|	|	0.16
139.083	0.00	0.08	0.235	O	|	|	|	|	0.16
139.167	0.00	0.08	0.234	O	|	|	|	|	0.16
139.250	0.00	0.08	0.234	O	|	|	|	|	0.16
139.333	0.00	0.08	0.233	O	|	|	|	|	0.16
139.417	0.00	0.08	0.233	O	|	|	|	|	0.16
139.500	0.00	0.08	0.232	O	|	|	|	|	0.16
139.583	0.00	0.08	0.232	O	|	|	|	|	0.16
139.667	0.00	0.07	0.231	O	|	|	|	|	0.16

139.750	0.00	0.07	0.231	O	|	|	|	0.16
139.833	0.00	0.07	0.230	O	|	|	|	0.16
139.917	0.00	0.07	0.230	O	|	|	|	0.16
140.000	0.00	0.07	0.229	O	|	|	|	0.16
140.083	0.00	0.07	0.229	O	|	|	|	0.16
140.167	0.00	0.07	0.228	O	|	|	|	0.16
140.250	0.00	0.07	0.228	O	|	|	|	0.16
140.333	0.00	0.07	0.227	O	|	|	|	0.16
140.417	0.00	0.07	0.227	O	|	|	|	0.16
140.500	0.00	0.07	0.226	O	|	|	|	0.16
140.583	0.00	0.07	0.226	O	|	|	|	0.16
140.667	0.00	0.07	0.225	O	|	|	|	0.16
140.750	0.00	0.07	0.225	O	|	|	|	0.15
140.833	0.00	0.07	0.224	O	|	|	|	0.15
140.917	0.00	0.07	0.224	O	|	|	|	0.15
141.000	0.00	0.07	0.223	O	|	|	|	0.15
141.083	0.00	0.07	0.223	O	|	|	|	0.15
141.167	0.00	0.07	0.222	O	|	|	|	0.15
141.250	0.00	0.07	0.222	O	|	|	|	0.15
141.333	0.00	0.07	0.221	O	|	|	|	0.15
141.417	0.00	0.07	0.221	O	|	|	|	0.15
141.500	0.00	0.07	0.220	O	|	|	|	0.15
141.583	0.00	0.07	0.220	O	|	|	|	0.15
141.667	0.00	0.07	0.219	O	|	|	|	0.15
141.750	0.00	0.07	0.219	O	|	|	|	0.15
141.833	0.00	0.07	0.218	O	|	|	|	0.15
141.917	0.00	0.07	0.218	O	|	|	|	0.15
142.000	0.00	0.07	0.217	O	|	|	|	0.15
142.083	0.00	0.07	0.217	O	|	|	|	0.15
142.167	0.00	0.07	0.216	O	|	|	|	0.15
142.250	0.00	0.07	0.216	O	|	|	|	0.15
142.333	0.00	0.07	0.215	O	|	|	|	0.15
142.417	0.00	0.07	0.215	O	|	|	|	0.15
142.500	0.00	0.07	0.214	O	|	|	|	0.15
142.583	0.00	0.07	0.214	O	|	|	|	0.15
142.667	0.00	0.07	0.213	O	|	|	|	0.15
142.750	0.00	0.07	0.213	O	|	|	|	0.15
142.833	0.00	0.07	0.212	O	|	|	|	0.15
142.917	0.00	0.07	0.212	O	|	|	|	0.15
143.000	0.00	0.07	0.212	O	|	|	|	0.15
143.083	0.00	0.07	0.211	O	|	|	|	0.15
143.167	0.00	0.07	0.211	O	|	|	|	0.15
143.250	0.00	0.07	0.210	O	|	|	|	0.14
143.333	0.00	0.07	0.210	O	|	|	|	0.14
143.417	0.00	0.07	0.209	O	|	|	|	0.14
143.500	0.00	0.07	0.209	O	|	|	|	0.14
143.583	0.00	0.07	0.208	O	|	|	|	0.14
143.667	0.00	0.07	0.208	O	|	|	|	0.14
143.750	0.00	0.07	0.207	O	|	|	|	0.14
143.833	0.00	0.07	0.207	O	|	|	|	0.14
143.917	0.00	0.07	0.206	O	|	|	|	0.14
144.000	0.00	0.07	0.206	O	|	|	|	0.14
144.083	0.00	0.07	0.205	O	|	|	|	0.14
144.167	0.00	0.07	0.205	O	|	|	|	0.14
144.250	0.00	0.07	0.205	O	|	|	|	0.14
144.333	0.00	0.07	0.204	O	|	|	|	0.14
144.417	0.00	0.07	0.204	O	|	|	|	0.14
144.500	0.00	0.07	0.203	O	|	|	|	0.14
144.583	0.00	0.07	0.203	O	|	|	|	0.14
144.667	0.00	0.07	0.202	O	|	|	|	0.14
144.750	0.00	0.07	0.202	O	|	|	|	0.14
144.833	0.00	0.07	0.201	O	|	|	|	0.14
144.917	0.00	0.07	0.201	O	|	|	|	0.14
145.000	0.00	0.06	0.201	O	|	|	|	0.14
145.083	0.00	0.06	0.200	O	|	|	|	0.14
145.167	0.00	0.06	0.200	O	|	|	|	0.14
145.250	0.00	0.06	0.199	O	|	|	|	0.14

145.333	0.00	0.06	0.199	O					0.14
145.417	0.00	0.06	0.198	O					0.14
145.500	0.00	0.06	0.198	O					0.14
145.583	0.00	0.06	0.197	O					0.14
145.667	0.00	0.06	0.197	O					0.14
145.750	0.00	0.06	0.197	O					0.14
145.833	0.00	0.06	0.196	O					0.14
145.917	0.00	0.06	0.196	O					0.13
146.000	0.00	0.06	0.195	O					0.13
146.083	0.00	0.06	0.195	O					0.13
146.167	0.00	0.06	0.194	O					0.13
146.250	0.00	0.06	0.194	O					0.13
146.333	0.00	0.06	0.193	O					0.13
146.417	0.00	0.06	0.193	O					0.13
146.500	0.00	0.06	0.193	O					0.13
146.583	0.00	0.06	0.192	O					0.13
146.667	0.00	0.06	0.192	O					0.13
146.750	0.00	0.06	0.191	O					0.13
146.833	0.00	0.06	0.191	O					0.13
146.917	0.00	0.06	0.190	O					0.13
147.000	0.00	0.06	0.190	O					0.13
147.083	0.00	0.06	0.190	O					0.13
147.167	0.00	0.06	0.189	O					0.13
147.250	0.00	0.06	0.189	O					0.13
147.333	0.00	0.06	0.188	O					0.13
147.417	0.00	0.06	0.188	O					0.13
147.500	0.00	0.06	0.188	O					0.13
147.583	0.00	0.06	0.187	O					0.13
147.667	0.00	0.06	0.187	O					0.13
147.750	0.00	0.06	0.186	O					0.13
147.833	0.00	0.06	0.186	O					0.13
147.917	0.00	0.06	0.185	O					0.13
148.000	0.00	0.06	0.185	O					0.13
148.083	0.00	0.06	0.185	O					0.13
148.167	0.00	0.06	0.184	O					0.13
148.250	0.00	0.06	0.184	O					0.13
148.333	0.00	0.06	0.183	O					0.13
148.417	0.00	0.06	0.183	O					0.13
148.500	0.00	0.06	0.183	O					0.13
148.583	0.00	0.06	0.182	O					0.13
148.667	0.00	0.06	0.182	O					0.13
148.750	0.00	0.06	0.181	O					0.13
148.833	0.00	0.06	0.181	O					0.12
148.917	0.00	0.06	0.181	O					0.12
149.000	0.00	0.06	0.180	O					0.12
149.083	0.00	0.06	0.180	O					0.12
149.167	0.00	0.06	0.179	O					0.12
149.250	0.00	0.06	0.179	O					0.12
149.333	0.00	0.06	0.179	O					0.12
149.417	0.00	0.06	0.178	O					0.12
149.500	0.00	0.06	0.178	O					0.12
149.583	0.00	0.06	0.177	O					0.12
149.667	0.00	0.06	0.177	O					0.12
149.750	0.00	0.06	0.177	O					0.12
149.833	0.00	0.06	0.176	O					0.12
149.917	0.00	0.06	0.176	O					0.12
150.000	0.00	0.06	0.175	O					0.12
150.083	0.00	0.06	0.175	O					0.12
150.167	0.00	0.06	0.175	O					0.12
150.250	0.00	0.06	0.174	O					0.12
150.333	0.00	0.06	0.174	O					0.12
150.417	0.00	0.06	0.173	O					0.12
150.500	0.00	0.06	0.173	O					0.12
150.583	0.00	0.06	0.173	O					0.12
150.667	0.00	0.06	0.172	O					0.12
150.750	0.00	0.06	0.172	O					0.12
150.833	0.00	0.06	0.172	O					0.12

150.917	0.00	0.06	0.171	O	|	|	|	|	0.12
151.000	0.00	0.06	0.171	O	|	|	|	|	0.12
151.083	0.00	0.06	0.170	O	|	|	|	|	0.12
151.167	0.00	0.06	0.170	O	|	|	|	|	0.12
151.250	0.00	0.05	0.170	O	|	|	|	|	0.12
151.333	0.00	0.05	0.169	O	|	|	|	|	0.12
151.417	0.00	0.05	0.169	O	|	|	|	|	0.12
151.500	0.00	0.05	0.168	O	|	|	|	|	0.12
151.583	0.00	0.05	0.168	O	|	|	|	|	0.12
151.667	0.00	0.05	0.168	O	|	|	|	|	0.12
151.750	0.00	0.05	0.167	O	|	|	|	|	0.12
151.833	0.00	0.05	0.167	O	|	|	|	|	0.12
151.917	0.00	0.05	0.167	O	|	|	|	|	0.11
152.000	0.00	0.05	0.166	O	|	|	|	|	0.11
152.083	0.00	0.05	0.166	O	|	|	|	|	0.11
152.167	0.00	0.05	0.165	O	|	|	|	|	0.11
152.250	0.00	0.05	0.165	O	|	|	|	|	0.11
152.333	0.00	0.05	0.165	O	|	|	|	|	0.11
152.417	0.00	0.05	0.164	O	|	|	|	|	0.11
152.500	0.00	0.05	0.164	O	|	|	|	|	0.11
152.583	0.00	0.05	0.164	O	|	|	|	|	0.11
152.667	0.00	0.05	0.163	O	|	|	|	|	0.11
152.750	0.00	0.05	0.163	O	|	|	|	|	0.11
152.833	0.00	0.05	0.163	O	|	|	|	|	0.11
152.917	0.00	0.05	0.162	O	|	|	|	|	0.11
153.000	0.00	0.05	0.162	O	|	|	|	|	0.11
153.083	0.00	0.05	0.161	O	|	|	|	|	0.11
153.167	0.00	0.05	0.161	O	|	|	|	|	0.11
153.250	0.00	0.05	0.161	O	|	|	|	|	0.11
153.333	0.00	0.05	0.160	O	|	|	|	|	0.11
153.417	0.00	0.05	0.160	O	|	|	|	|	0.11
153.500	0.00	0.05	0.160	O	|	|	|	|	0.11
153.583	0.00	0.05	0.159	O	|	|	|	|	0.11
153.667	0.00	0.05	0.159	O	|	|	|	|	0.11
153.750	0.00	0.05	0.159	O	|	|	|	|	0.11
153.833	0.00	0.05	0.158	O	|	|	|	|	0.11
153.917	0.00	0.05	0.158	O	|	|	|	|	0.11
154.000	0.00	0.05	0.158	O	|	|	|	|	0.11
154.083	0.00	0.05	0.157	O	|	|	|	|	0.11
154.167	0.00	0.05	0.157	O	|	|	|	|	0.11
154.250	0.00	0.05	0.157	O	|	|	|	|	0.11
154.333	0.00	0.05	0.156	O	|	|	|	|	0.11
154.417	0.00	0.05	0.156	O	|	|	|	|	0.11
154.500	0.00	0.05	0.155	O	|	|	|	|	0.11
154.583	0.00	0.05	0.155	O	|	|	|	|	0.11
154.667	0.00	0.05	0.155	O	|	|	|	|	0.11
154.750	0.00	0.05	0.154	O	|	|	|	|	0.11
154.833	0.00	0.05	0.154	O	|	|	|	|	0.11
154.917	0.00	0.05	0.154	O	|	|	|	|	0.11
155.000	0.00	0.05	0.153	O	|	|	|	|	0.11
155.083	0.00	0.05	0.153	O	|	|	|	|	0.11
155.167	0.00	0.05	0.153	O	|	|	|	|	0.11
155.250	0.00	0.05	0.152	O	|	|	|	|	0.11
155.333	0.00	0.05	0.152	O	|	|	|	|	0.10
155.417	0.00	0.05	0.152	O	|	|	|	|	0.10
155.500	0.00	0.05	0.151	O	|	|	|	|	0.10
155.583	0.00	0.05	0.151	O	|	|	|	|	0.10
155.667	0.00	0.05	0.151	O	|	|	|	|	0.10
155.750	0.00	0.05	0.150	O	|	|	|	|	0.10
155.833	0.00	0.05	0.150	O	|	|	|	|	0.10
155.917	0.00	0.05	0.150	O	|	|	|	|	0.10
156.000	0.00	0.05	0.149	O	|	|	|	|	0.10
156.083	0.00	0.05	0.149	O	|	|	|	|	0.10
156.167	0.00	0.05	0.149	O	|	|	|	|	0.10
156.250	0.00	0.05	0.148	O	|	|	|	|	0.10
156.333	0.00	0.05	0.148	O	|	|	|	|	0.10
156.417	0.00	0.05	0.148	O	|	|	|	|	0.10

156.500	0.00	0.05	0.147	O	|	|	|	0.10
156.583	0.00	0.05	0.147	O	|	|	|	0.10
156.667	0.00	0.05	0.147	O	|	|	|	0.10
156.750	0.00	0.05	0.146	O	|	|	|	0.10
156.833	0.00	0.05	0.146	O	|	|	|	0.10
156.917	0.00	0.05	0.146	O	|	|	|	0.10
157.000	0.00	0.05	0.145	O	|	|	|	0.10
157.083	0.00	0.05	0.145	O	|	|	|	0.10
157.167	0.00	0.05	0.145	O	|	|	|	0.10
157.250	0.00	0.05	0.144	O	|	|	|	0.10
157.333	0.00	0.05	0.144	O	|	|	|	0.10
157.417	0.00	0.05	0.144	O	|	|	|	0.10
157.500	0.00	0.05	0.143	O	|	|	|	0.10
157.583	0.00	0.05	0.143	O	|	|	|	0.10
157.667	0.00	0.05	0.143	O	|	|	|	0.10
157.750	0.00	0.05	0.142	O	|	|	|	0.10
157.833	0.00	0.05	0.142	O	|	|	|	0.10
157.917	0.00	0.05	0.142	O	|	|	|	0.10
158.000	0.00	0.05	0.142	O	|	|	|	0.10
158.083	0.00	0.05	0.141	O	|	|	|	0.10
158.167	0.00	0.05	0.141	O	|	|	|	0.10
158.250	0.00	0.05	0.141	O	|	|	|	0.10
158.333	0.00	0.05	0.140	O	|	|	|	0.10
158.417	0.00	0.05	0.140	O	|	|	|	0.10
158.500	0.00	0.05	0.140	O	|	|	|	0.10
158.583	0.00	0.05	0.139	O	|	|	|	0.10
158.667	0.00	0.05	0.139	O	|	|	|	0.10
158.750	0.00	0.04	0.139	O	|	|	|	0.10
158.833	0.00	0.04	0.138	O	|	|	|	0.10
158.917	0.00	0.04	0.138	O	|	|	|	0.10
159.000	0.00	0.04	0.138	O	|	|	|	0.10
159.083	0.00	0.04	0.137	O	|	|	|	0.09
159.167	0.00	0.04	0.137	O	|	|	|	0.09
159.250	0.00	0.04	0.137	O	|	|	|	0.09
159.333	0.00	0.04	0.137	O	|	|	|	0.09
159.417	0.00	0.04	0.136	O	|	|	|	0.09
159.500	0.00	0.04	0.136	O	|	|	|	0.09
159.583	0.00	0.04	0.136	O	|	|	|	0.09
159.667	0.00	0.04	0.135	O	|	|	|	0.09
159.750	0.00	0.04	0.135	O	|	|	|	0.09
159.833	0.00	0.04	0.135	O	|	|	|	0.09
159.917	0.00	0.04	0.134	O	|	|	|	0.09
160.000	0.00	0.04	0.134	O	|	|	|	0.09
160.083	0.00	0.04	0.134	O	|	|	|	0.09
160.167	0.00	0.04	0.134	O	|	|	|	0.09
160.250	0.00	0.04	0.133	O	|	|	|	0.09
160.333	0.00	0.04	0.133	O	|	|	|	0.09
160.417	0.00	0.04	0.133	O	|	|	|	0.09
160.500	0.00	0.04	0.132	O	|	|	|	0.09
160.583	0.00	0.04	0.132	O	|	|	|	0.09
160.667	0.00	0.04	0.132	O	|	|	|	0.09
160.750	0.00	0.04	0.131	O	|	|	|	0.09
160.833	0.00	0.04	0.131	O	|	|	|	0.09
160.917	0.00	0.04	0.131	O	|	|	|	0.09
161.000	0.00	0.04	0.131	O	|	|	|	0.09
161.083	0.00	0.04	0.130	O	|	|	|	0.09
161.167	0.00	0.04	0.130	O	|	|	|	0.09
161.250	0.00	0.04	0.130	O	|	|	|	0.09
161.333	0.00	0.04	0.129	O	|	|	|	0.09
161.417	0.00	0.04	0.129	O	|	|	|	0.09
161.500	0.00	0.04	0.129	O	|	|	|	0.09
161.583	0.00	0.04	0.129	O	|	|	|	0.09
161.667	0.00	0.04	0.128	O	|	|	|	0.09
161.750	0.00	0.04	0.128	O	|	|	|	0.09
161.833	0.00	0.04	0.128	O	|	|	|	0.09
161.917	0.00	0.04	0.127	O	|	|	|	0.09
162.000	0.00	0.04	0.127	O	|	|	|	0.09

162.083	0.00	0.04	0.127	O	|	|	|	0.09
162.167	0.00	0.04	0.127	O	|	|	|	0.09
162.250	0.00	0.04	0.126	O	|	|	|	0.09
162.333	0.00	0.04	0.126	O	|	|	|	0.09
162.417	0.00	0.04	0.126	O	|	|	|	0.09
162.500	0.00	0.04	0.125	O	|	|	|	0.09
162.583	0.00	0.04	0.125	O	|	|	|	0.09
162.667	0.00	0.04	0.125	O	|	|	|	0.09
162.750	0.00	0.04	0.125	O	|	|	|	0.09
162.833	0.00	0.04	0.124	O	|	|	|	0.09
162.917	0.00	0.04	0.124	O	|	|	|	0.09
163.000	0.00	0.04	0.124	O	|	|	|	0.09
163.083	0.00	0.04	0.124	O	|	|	|	0.09
163.167	0.00	0.04	0.123	O	|	|	|	0.08
163.250	0.00	0.04	0.123	O	|	|	|	0.08
163.333	0.00	0.04	0.123	O	|	|	|	0.08
163.417	0.00	0.04	0.122	O	|	|	|	0.08
163.500	0.00	0.04	0.122	O	|	|	|	0.08
163.583	0.00	0.04	0.122	O	|	|	|	0.08
163.667	0.00	0.04	0.122	O	|	|	|	0.08
163.750	0.00	0.04	0.121	O	|	|	|	0.08
163.833	0.00	0.04	0.121	O	|	|	|	0.08
163.917	0.00	0.04	0.121	O	|	|	|	0.08
164.000	0.00	0.04	0.121	O	|	|	|	0.08
164.083	0.00	0.04	0.120	O	|	|	|	0.08
164.167	0.00	0.04	0.120	O	|	|	|	0.08
164.250	0.00	0.04	0.120	O	|	|	|	0.08
164.333	0.00	0.04	0.119	O	|	|	|	0.08
164.417	0.00	0.04	0.119	O	|	|	|	0.08
164.500	0.00	0.04	0.119	O	|	|	|	0.08
164.583	0.00	0.04	0.119	O	|	|	|	0.08
164.667	0.00	0.04	0.118	O	|	|	|	0.08
164.750	0.00	0.04	0.118	O	|	|	|	0.08
164.833	0.00	0.04	0.118	O	|	|	|	0.08
164.917	0.00	0.04	0.118	O	|	|	|	0.08
165.000	0.00	0.04	0.117	O	|	|	|	0.08
165.083	0.00	0.04	0.117	O	|	|	|	0.08
165.167	0.00	0.04	0.117	O	|	|	|	0.08
165.250	0.00	0.04	0.117	O	|	|	|	0.08
165.333	0.00	0.04	0.116	O	|	|	|	0.08
165.417	0.00	0.04	0.116	O	|	|	|	0.08
165.500	0.00	0.04	0.116	O	|	|	|	0.08
165.583	0.00	0.04	0.116	O	|	|	|	0.08
165.667	0.00	0.04	0.115	O	|	|	|	0.08
165.750	0.00	0.04	0.115	O	|	|	|	0.08
165.833	0.00	0.04	0.115	O	|	|	|	0.08
165.917	0.00	0.04	0.114	O	|	|	|	0.08
166.000	0.00	0.04	0.114	O	|	|	|	0.08
166.083	0.00	0.04	0.114	O	|	|	|	0.08
166.167	0.00	0.04	0.114	O	|	|	|	0.08
166.250	0.00	0.04	0.113	O	|	|	|	0.08
166.333	0.00	0.04	0.113	O	|	|	|	0.08
166.417	0.00	0.04	0.113	O	|	|	|	0.08
166.500	0.00	0.04	0.113	O	|	|	|	0.08
166.583	0.00	0.04	0.112	O	|	|	|	0.08
166.667	0.00	0.04	0.112	O	|	|	|	0.08
166.750	0.00	0.04	0.112	O	|	|	|	0.08
166.833	0.00	0.04	0.112	O	|	|	|	0.08
166.917	0.00	0.04	0.111	O	|	|	|	0.08
167.000	0.00	0.04	0.111	O	|	|	|	0.08
167.083	0.00	0.04	0.111	O	|	|	|	0.08
167.167	0.00	0.04	0.111	O	|	|	|	0.08
167.250	0.00	0.04	0.110	O	|	|	|	0.08
167.333	0.00	0.04	0.110	O	|	|	|	0.08
167.417	0.00	0.04	0.110	O	|	|	|	0.08
167.500	0.00	0.04	0.110	O	|	|	|	0.08
167.583	0.00	0.04	0.109	O	|	|	|	0.08

167.667	0.00	0.04	0.109	O	|	|	|	0.08
167.750	0.00	0.04	0.109	O	|	|	|	0.08
167.833	0.00	0.04	0.109	O	|	|	|	0.08
167.917	0.00	0.04	0.109	O	|	|	|	0.07
168.000	0.00	0.04	0.108	O	|	|	|	0.07
168.083	0.00	0.04	0.108	O	|	|	|	0.07
168.167	0.00	0.03	0.108	O	|	|	|	0.07
168.250	0.00	0.03	0.108	O	|	|	|	0.07
168.333	0.00	0.03	0.107	O	|	|	|	0.07
168.417	0.00	0.03	0.107	O	|	|	|	0.07
168.500	0.00	0.03	0.107	O	|	|	|	0.07
168.583	0.00	0.03	0.107	O	|	|	|	0.07
168.667	0.00	0.03	0.106	O	|	|	|	0.07
168.750	0.00	0.03	0.106	O	|	|	|	0.07
168.833	0.00	0.03	0.106	O	|	|	|	0.07
168.917	0.00	0.03	0.106	O	|	|	|	0.07
169.000	0.00	0.03	0.105	O	|	|	|	0.07
169.083	0.00	0.03	0.105	O	|	|	|	0.07
169.167	0.00	0.03	0.105	O	|	|	|	0.07
169.250	0.00	0.03	0.105	O	|	|	|	0.07
169.333	0.00	0.03	0.104	O	|	|	|	0.07
169.417	0.00	0.03	0.104	O	|	|	|	0.07
169.500	0.00	0.03	0.104	O	|	|	|	0.07
169.583	0.00	0.03	0.104	O	|	|	|	0.07
169.667	0.00	0.03	0.104	O	|	|	|	0.07
169.750	0.00	0.03	0.103	O	|	|	|	0.07
169.833	0.00	0.03	0.103	O	|	|	|	0.07
169.917	0.00	0.03	0.103	O	|	|	|	0.07
170.000	0.00	0.03	0.103	O	|	|	|	0.07
170.083	0.00	0.03	0.102	O	|	|	|	0.07
170.167	0.00	0.03	0.102	O	|	|	|	0.07
170.250	0.00	0.03	0.102	O	|	|	|	0.07
170.333	0.00	0.03	0.102	O	|	|	|	0.07
170.417	0.00	0.03	0.101	O	|	|	|	0.07
170.500	0.00	0.03	0.101	O	|	|	|	0.07
170.583	0.00	0.03	0.101	O	|	|	|	0.07
170.667	0.00	0.03	0.101	O	|	|	|	0.07
170.750	0.00	0.03	0.101	O	|	|	|	0.07
170.833	0.00	0.03	0.100	O	|	|	|	0.07
170.917	0.00	0.03	0.100	O	|	|	|	0.07
171.000	0.00	0.03	0.100	O	|	|	|	0.07
171.083	0.00	0.03	0.100	O	|	|	|	0.07
171.167	0.00	0.03	0.099	O	|	|	|	0.07
171.250	0.00	0.03	0.099	O	|	|	|	0.07
171.333	0.00	0.03	0.099	O	|	|	|	0.07
171.417	0.00	0.03	0.099	O	|	|	|	0.07
171.500	0.00	0.03	0.099	O	|	|	|	0.07
171.583	0.00	0.03	0.098	O	|	|	|	0.07
171.667	0.00	0.03	0.098	O	|	|	|	0.07
171.750	0.00	0.03	0.098	O	|	|	|	0.07
171.833	0.00	0.03	0.098	O	|	|	|	0.07
171.917	0.00	0.03	0.097	O	|	|	|	0.07
172.000	0.00	0.03	0.097	O	|	|	|	0.07
172.083	0.00	0.03	0.097	O	|	|	|	0.07
172.167	0.00	0.03	0.097	O	|	|	|	0.07
172.250	0.00	0.03	0.097	O	|	|	|	0.07
172.333	0.00	0.03	0.096	O	|	|	|	0.07
172.417	0.00	0.03	0.096	O	|	|	|	0.07
172.500	0.00	0.03	0.096	O	|	|	|	0.07
172.583	0.00	0.03	0.096	O	|	|	|	0.07
172.667	0.00	0.03	0.096	O	|	|	|	0.07
172.750	0.00	0.03	0.095	O	|	|	|	0.07
172.833	0.00	0.03	0.095	O	|	|	|	0.07
172.917	0.00	0.03	0.095	O	|	|	|	0.07
173.000	0.00	0.03	0.095	O	|	|	|	0.07
173.083	0.00	0.03	0.094	O	|	|	|	0.07
173.167	0.00	0.03	0.094	O	|	|	|	0.07

173.250	0.00	0.03	0.094	O	|	|	|	0.06
173.333	0.00	0.03	0.094	O	|	|	|	0.06
173.417	0.00	0.03	0.094	O	|	|	|	0.06
173.500	0.00	0.03	0.093	O	|	|	|	0.06
173.583	0.00	0.03	0.093	O	|	|	|	0.06
173.667	0.00	0.03	0.093	O	|	|	|	0.06
173.750	0.00	0.03	0.093	O	|	|	|	0.06
173.833	0.00	0.03	0.093	O	|	|	|	0.06
173.917	0.00	0.03	0.092	O	|	|	|	0.06
174.000	0.00	0.03	0.092	O	|	|	|	0.06
174.083	0.00	0.03	0.092	O	|	|	|	0.06
174.167	0.00	0.03	0.092	O	|	|	|	0.06
174.250	0.00	0.03	0.092	O	|	|	|	0.06
174.333	0.00	0.03	0.091	O	|	|	|	0.06
174.417	0.00	0.03	0.091	O	|	|	|	0.06
174.500	0.00	0.03	0.091	O	|	|	|	0.06
174.583	0.00	0.03	0.091	O	|	|	|	0.06
174.667	0.00	0.03	0.091	O	|	|	|	0.06
174.750	0.00	0.03	0.090	O	|	|	|	0.06
174.833	0.00	0.03	0.090	O	|	|	|	0.06
174.917	0.00	0.03	0.090	O	|	|	|	0.06
175.000	0.00	0.03	0.090	O	|	|	|	0.06
175.083	0.00	0.03	0.090	O	|	|	|	0.06
175.167	0.00	0.03	0.089	O	|	|	|	0.06
175.250	0.00	0.03	0.089	O	|	|	|	0.06
175.333	0.00	0.03	0.089	O	|	|	|	0.06
175.417	0.00	0.03	0.089	O	|	|	|	0.06
175.500	0.00	0.03	0.089	O	|	|	|	0.06
175.583	0.00	0.03	0.088	O	|	|	|	0.06
175.667	0.00	0.03	0.088	O	|	|	|	0.06
175.750	0.00	0.03	0.088	O	|	|	|	0.06
175.833	0.00	0.03	0.088	O	|	|	|	0.06
175.917	0.00	0.03	0.088	O	|	|	|	0.06
176.000	0.00	0.03	0.087	O	|	|	|	0.06
176.083	0.00	0.03	0.087	O	|	|	|	0.06
176.167	0.00	0.03	0.087	O	|	|	|	0.06
176.250	0.00	0.03	0.087	O	|	|	|	0.06
176.333	0.00	0.03	0.087	O	|	|	|	0.06
176.417	0.00	0.03	0.086	O	|	|	|	0.06
176.500	0.00	0.03	0.086	O	|	|	|	0.06
176.583	0.00	0.03	0.086	O	|	|	|	0.06
176.667	0.00	0.03	0.086	O	|	|	|	0.06
176.750	0.00	0.03	0.086	O	|	|	|	0.06
176.833	0.00	0.03	0.085	O	|	|	|	0.06
176.917	0.00	0.03	0.085	O	|	|	|	0.06
177.000	0.00	0.03	0.085	O	|	|	|	0.06
177.083	0.00	0.03	0.085	O	|	|	|	0.06
177.167	0.00	0.03	0.085	O	|	|	|	0.06
177.250	0.00	0.03	0.085	O	|	|	|	0.06
177.333	0.00	0.03	0.084	O	|	|	|	0.06
177.417	0.00	0.03	0.084	O	|	|	|	0.06
177.500	0.00	0.03	0.084	O	|	|	|	0.06
177.583	0.00	0.03	0.084	O	|	|	|	0.06
177.667	0.00	0.03	0.084	O	|	|	|	0.06
177.750	0.00	0.03	0.083	O	|	|	|	0.06
177.833	0.00	0.03	0.083	O	|	|	|	0.06
177.917	0.00	0.03	0.083	O	|	|	|	0.06
178.000	0.00	0.03	0.083	O	|	|	|	0.06
178.083	0.00	0.03	0.083	O	|	|	|	0.06
178.167	0.00	0.03	0.082	O	|	|	|	0.06
178.250	0.00	0.03	0.082	O	|	|	|	0.06
178.333	0.00	0.03	0.082	O	|	|	|	0.06
178.417	0.00	0.03	0.082	O	|	|	|	0.06
178.500	0.00	0.03	0.082	O	|	|	|	0.06
178.583	0.00	0.03	0.082	O	|	|	|	0.06
178.667	0.00	0.03	0.081	O	|	|	|	0.06
178.750	0.00	0.03	0.081	O	|	|	|	0.06

178.833	0.00	0.03	0.081	O	|	|	|	|	0.06
178.917	0.00	0.03	0.081	O	|	|	|	|	0.06
179.000	0.00	0.03	0.081	O	|	|	|	|	0.06
179.083	0.00	0.03	0.080	O	|	|	|	|	0.06
179.167	0.00	0.03	0.080	O	|	|	|	|	0.06
179.250	0.00	0.03	0.080	O	|	|	|	|	0.06
179.333	0.00	0.03	0.080	O	|	|	|	|	0.06
179.417	0.00	0.03	0.080	O	|	|	|	|	0.06
179.500	0.00	0.03	0.080	O	|	|	|	|	0.05
179.583	0.00	0.03	0.079	O	|	|	|	|	0.05
179.667	0.00	0.03	0.079	O	|	|	|	|	0.05
179.750	0.00	0.03	0.079	O	|	|	|	|	0.05
179.833	0.00	0.03	0.079	O	|	|	|	|	0.05
179.917	0.00	0.03	0.079	O	|	|	|	|	0.05
180.000	0.00	0.03	0.079	O	|	|	|	|	0.05
180.083	0.00	0.03	0.078	O	|	|	|	|	0.05
180.167	0.00	0.03	0.078	O	|	|	|	|	0.05
180.250	0.00	0.03	0.078	O	|	|	|	|	0.05
180.333	0.00	0.03	0.078	O	|	|	|	|	0.05
180.417	0.00	0.03	0.078	O	|	|	|	|	0.05
180.500	0.00	0.03	0.077	O	|	|	|	|	0.05
180.583	0.00	0.03	0.077	O	|	|	|	|	0.05
180.667	0.00	0.02	0.077	O	|	|	|	|	0.05
180.750	0.00	0.02	0.077	O	|	|	|	|	0.05
180.833	0.00	0.02	0.077	O	|	|	|	|	0.05
180.917	0.00	0.02	0.077	O	|	|	|	|	0.05
181.000	0.00	0.02	0.076	O	|	|	|	|	0.05
181.083	0.00	0.02	0.076	O	|	|	|	|	0.05
181.167	0.00	0.02	0.076	O	|	|	|	|	0.05
181.250	0.00	0.02	0.076	O	|	|	|	|	0.05
181.333	0.00	0.02	0.076	O	|	|	|	|	0.05
181.417	0.00	0.02	0.076	O	|	|	|	|	0.05
181.500	0.00	0.02	0.075	O	|	|	|	|	0.05
181.583	0.00	0.02	0.075	O	|	|	|	|	0.05
181.667	0.00	0.02	0.075	O	|	|	|	|	0.05
181.750	0.00	0.02	0.075	O	|	|	|	|	0.05
181.833	0.00	0.02	0.075	O	|	|	|	|	0.05
181.917	0.00	0.02	0.075	O	|	|	|	|	0.05
182.000	0.00	0.02	0.074	O	|	|	|	|	0.05
182.083	0.00	0.02	0.074	O	|	|	|	|	0.05
182.167	0.00	0.02	0.074	O	|	|	|	|	0.05
182.250	0.00	0.02	0.074	O	|	|	|	|	0.05
182.333	0.00	0.02	0.074	O	|	|	|	|	0.05
182.417	0.00	0.02	0.074	O	|	|	|	|	0.05
182.500	0.00	0.02	0.073	O	|	|	|	|	0.05
182.583	0.00	0.02	0.073	O	|	|	|	|	0.05
182.667	0.00	0.02	0.073	O	|	|	|	|	0.05
182.750	0.00	0.02	0.073	O	|	|	|	|	0.05
182.833	0.00	0.02	0.073	O	|	|	|	|	0.05
182.917	0.00	0.02	0.073	O	|	|	|	|	0.05
183.000	0.00	0.02	0.072	O	|	|	|	|	0.05
183.083	0.00	0.02	0.072	O	|	|	|	|	0.05
183.167	0.00	0.02	0.072	O	|	|	|	|	0.05
183.250	0.00	0.02	0.072	O	|	|	|	|	0.05
183.333	0.00	0.02	0.072	O	|	|	|	|	0.05
183.417	0.00	0.02	0.072	O	|	|	|	|	0.05
183.500	0.00	0.02	0.071	O	|	|	|	|	0.05
183.583	0.00	0.02	0.071	O	|	|	|	|	0.05
183.667	0.00	0.02	0.071	O	|	|	|	|	0.05
183.750	0.00	0.02	0.071	O	|	|	|	|	0.05
183.833	0.00	0.02	0.071	O	|	|	|	|	0.05
183.917	0.00	0.02	0.071	O	|	|	|	|	0.05
184.000	0.00	0.02	0.071	O	|	|	|	|	0.05
184.083	0.00	0.02	0.070	O	|	|	|	|	0.05
184.167	0.00	0.02	0.070	O	|	|	|	|	0.05
184.250	0.00	0.02	0.070	O	|	|	|	|	0.05
184.333	0.00	0.02	0.070	O	|	|	|	|	0.05

184.417	0.00	0.02	0.070	O	|	|	|	|	0.05
184.500	0.00	0.02	0.070	O	|	|	|	|	0.05
184.583	0.00	0.02	0.069	O	|	|	|	|	0.05
184.667	0.00	0.02	0.069	O	|	|	|	|	0.05
184.750	0.00	0.02	0.069	O	|	|	|	|	0.05
184.833	0.00	0.02	0.069	O	|	|	|	|	0.05
184.917	0.00	0.02	0.069	O	|	|	|	|	0.05
185.000	0.00	0.02	0.069	O	|	|	|	|	0.05
185.083	0.00	0.02	0.069	O	|	|	|	|	0.05
185.167	0.00	0.02	0.068	O	|	|	|	|	0.05
185.250	0.00	0.02	0.068	O	|	|	|	|	0.05
185.333	0.00	0.02	0.068	O	|	|	|	|	0.05
185.417	0.00	0.02	0.068	O	|	|	|	|	0.05
185.500	0.00	0.02	0.068	O	|	|	|	|	0.05
185.583	0.00	0.02	0.068	O	|	|	|	|	0.05
185.667	0.00	0.02	0.067	O	|	|	|	|	0.05
185.750	0.00	0.02	0.067	O	|	|	|	|	0.05
185.833	0.00	0.02	0.067	O	|	|	|	|	0.05
185.917	0.00	0.02	0.067	O	|	|	|	|	0.05
186.000	0.00	0.02	0.067	O	|	|	|	|	0.05
186.083	0.00	0.02	0.067	O	|	|	|	|	0.05
186.167	0.00	0.02	0.067	O	|	|	|	|	0.05
186.250	0.00	0.02	0.066	O	|	|	|	|	0.05
186.333	0.00	0.02	0.066	O	|	|	|	|	0.05
186.417	0.00	0.02	0.066	O	|	|	|	|	0.05
186.500	0.00	0.02	0.066	O	|	|	|	|	0.05
186.583	0.00	0.02	0.066	O	|	|	|	|	0.05
186.667	0.00	0.02	0.066	O	|	|	|	|	0.05
186.750	0.00	0.02	0.066	O	|	|	|	|	0.05
186.833	0.00	0.02	0.065	O	|	|	|	|	0.05
186.917	0.00	0.02	0.065	O	|	|	|	|	0.04
187.000	0.00	0.02	0.065	O	|	|	|	|	0.04
187.083	0.00	0.02	0.065	O	|	|	|	|	0.04
187.167	0.00	0.02	0.065	O	|	|	|	|	0.04
187.250	0.00	0.02	0.065	O	|	|	|	|	0.04
187.333	0.00	0.02	0.065	O	|	|	|	|	0.04
187.417	0.00	0.02	0.064	O	|	|	|	|	0.04
187.500	0.00	0.02	0.064	O	|	|	|	|	0.04
187.583	0.00	0.02	0.064	O	|	|	|	|	0.04
187.667	0.00	0.02	0.064	O	|	|	|	|	0.04
187.750	0.00	0.02	0.064	O	|	|	|	|	0.04
187.833	0.00	0.02	0.064	O	|	|	|	|	0.04
187.917	0.00	0.02	0.064	O	|	|	|	|	0.04
188.000	0.00	0.02	0.063	O	|	|	|	|	0.04
188.083	0.00	0.02	0.063	O	|	|	|	|	0.04
188.167	0.00	0.02	0.063	O	|	|	|	|	0.04
188.250	0.00	0.02	0.063	O	|	|	|	|	0.04
188.333	0.00	0.02	0.063	O	|	|	|	|	0.04
188.417	0.00	0.02	0.063	O	|	|	|	|	0.04
188.500	0.00	0.02	0.063	O	|	|	|	|	0.04
188.583	0.00	0.02	0.062	O	|	|	|	|	0.04
188.667	0.00	0.02	0.062	O	|	|	|	|	0.04
188.750	0.00	0.02	0.062	O	|	|	|	|	0.04
188.833	0.00	0.02	0.062	O	|	|	|	|	0.04
188.917	0.00	0.02	0.062	O	|	|	|	|	0.04
189.000	0.00	0.02	0.062	O	|	|	|	|	0.04
189.083	0.00	0.02	0.062	O	|	|	|	|	0.04
189.167	0.00	0.02	0.061	O	|	|	|	|	0.04
189.250	0.00	0.02	0.061	O	|	|	|	|	0.04
189.333	0.00	0.02	0.061	O	|	|	|	|	0.04
189.417	0.00	0.02	0.061	O	|	|	|	|	0.04
189.500	0.00	0.02	0.061	O	|	|	|	|	0.04
189.583	0.00	0.02	0.061	O	|	|	|	|	0.04
189.667	0.00	0.02	0.061	O	|	|	|	|	0.04
189.750	0.00	0.02	0.060	O	|	|	|	|	0.04
189.833	0.00	0.02	0.060	O	|	|	|	|	0.04
189.917	0.00	0.02	0.060	O	|	|	|	|	0.04

190.000	0.00	0.02	0.060	O	|	|	|	|	0.04
190.083	0.00	0.02	0.060	O	|	|	|	|	0.04
190.167	0.00	0.02	0.060	O	|	|	|	|	0.04
190.250	0.00	0.02	0.060	O	|	|	|	|	0.04
190.333	0.00	0.02	0.060	O	|	|	|	|	0.04
190.417	0.00	0.02	0.059	O	|	|	|	|	0.04
190.500	0.00	0.02	0.059	O	|	|	|	|	0.04
190.583	0.00	0.02	0.059	O	|	|	|	|	0.04
190.667	0.00	0.02	0.059	O	|	|	|	|	0.04
190.750	0.00	0.02	0.059	O	|	|	|	|	0.04
190.833	0.00	0.02	0.059	O	|	|	|	|	0.04
190.917	0.00	0.02	0.059	O	|	|	|	|	0.04
191.000	0.00	0.02	0.058	O	|	|	|	|	0.04
191.083	0.00	0.02	0.058	O	|	|	|	|	0.04
191.167	0.00	0.02	0.058	O	|	|	|	|	0.04
191.250	0.00	0.02	0.058	O	|	|	|	|	0.04
191.333	0.00	0.02	0.058	O	|	|	|	|	0.04
191.417	0.00	0.02	0.058	O	|	|	|	|	0.04
191.500	0.00	0.02	0.058	O	|	|	|	|	0.04
191.583	0.00	0.02	0.058	O	|	|	|	|	0.04
191.667	0.00	0.02	0.057	O	|	|	|	|	0.04
191.750	0.00	0.02	0.057	O	|	|	|	|	0.04
191.833	0.00	0.02	0.057	O	|	|	|	|	0.04
191.917	0.00	0.02	0.057	O	|	|	|	|	0.04
192.000	0.00	0.02	0.057	O	|	|	|	|	0.04
192.083	0.00	0.02	0.057	O	|	|	|	|	0.04
192.167	0.00	0.02	0.057	O	|	|	|	|	0.04
192.250	0.00	0.02	0.057	O	|	|	|	|	0.04
192.333	0.00	0.02	0.056	O	|	|	|	|	0.04
192.417	0.00	0.02	0.056	O	|	|	|	|	0.04
192.500	0.00	0.02	0.056	O	|	|	|	|	0.04
192.583	0.00	0.02	0.056	O	|	|	|	|	0.04
192.667	0.00	0.02	0.056	O	|	|	|	|	0.04
192.750	0.00	0.02	0.056	O	|	|	|	|	0.04
192.833	0.00	0.02	0.056	O	|	|	|	|	0.04
192.917	0.00	0.02	0.056	O	|	|	|	|	0.04
193.000	0.00	0.02	0.055	O	|	|	|	|	0.04
193.083	0.00	0.02	0.055	O	|	|	|	|	0.04
193.167	0.00	0.02	0.055	O	|	|	|	|	0.04
193.250	0.00	0.02	0.055	O	|	|	|	|	0.04
193.333	0.00	0.02	0.055	O	|	|	|	|	0.04
193.417	0.00	0.02	0.055	O	|	|	|	|	0.04
193.500	0.00	0.02	0.055	O	|	|	|	|	0.04
193.583	0.00	0.02	0.055	O	|	|	|	|	0.04
193.667	0.00	0.02	0.054	O	|	|	|	|	0.04
193.750	0.00	0.02	0.054	O	|	|	|	|	0.04
193.833	0.00	0.02	0.054	O	|	|	|	|	0.04
193.917	0.00	0.02	0.054	O	|	|	|	|	0.04
194.000	0.00	0.02	0.054	O	|	|	|	|	0.04
194.083	0.00	0.02	0.054	O	|	|	|	|	0.04
194.167	0.00	0.02	0.054	O	|	|	|	|	0.04
194.250	0.00	0.02	0.054	O	|	|	|	|	0.04
194.333	0.00	0.02	0.053	O	|	|	|	|	0.04
194.417	0.00	0.02	0.053	O	|	|	|	|	0.04
194.500	0.00	0.02	0.053	O	|	|	|	|	0.04
194.583	0.00	0.02	0.053	O	|	|	|	|	0.04
194.667	0.00	0.02	0.053	O	|	|	|	|	0.04
194.750	0.00	0.02	0.053	O	|	|	|	|	0.04
194.833	0.00	0.02	0.053	O	|	|	|	|	0.04
194.917	0.00	0.02	0.053	O	|	|	|	|	0.04
195.000	0.00	0.02	0.053	O	|	|	|	|	0.04
195.083	0.00	0.02	0.052	O	|	|	|	|	0.04
195.167	0.00	0.02	0.052	O	|	|	|	|	0.04
195.250	0.00	0.02	0.052	O	|	|	|	|	0.04
195.333	0.00	0.02	0.052	O	|	|	|	|	0.04
195.417	0.00	0.02	0.052	O	|	|	|	|	0.04
195.500	0.00	0.02	0.052	O	|	|	|	|	0.04

195.583	0.00	0.02	0.052	O	|	|	|	|	0.04
195.667	0.00	0.02	0.052	O	|	|	|	|	0.04
195.750	0.00	0.02	0.051	O	|	|	|	|	0.04
195.833	0.00	0.02	0.051	O	|	|	|	|	0.04
195.917	0.00	0.02	0.051	O	|	|	|	|	0.04
196.000	0.00	0.02	0.051	O	|	|	|	|	0.04
196.083	0.00	0.02	0.051	O	|	|	|	|	0.04
196.167	0.00	0.02	0.051	O	|	|	|	|	0.04
196.250	0.00	0.02	0.051	O	|	|	|	|	0.04
196.333	0.00	0.02	0.051	O	|	|	|	|	0.03
196.417	0.00	0.02	0.051	O	|	|	|	|	0.03
196.500	0.00	0.02	0.050	O	|	|	|	|	0.03
196.583	0.00	0.02	0.050	O	|	|	|	|	0.03
196.667	0.00	0.02	0.050	O	|	|	|	|	0.03
196.750	0.00	0.02	0.050	O	|	|	|	|	0.03
196.833	0.00	0.02	0.050	O	|	|	|	|	0.03
196.917	0.00	0.02	0.050	O	|	|	|	|	0.03
197.000	0.00	0.02	0.050	O	|	|	|	|	0.03
197.083	0.00	0.02	0.050	O	|	|	|	|	0.03
197.167	0.00	0.02	0.050	O	|	|	|	|	0.03
197.250	0.00	0.02	0.049	O	|	|	|	|	0.03
197.333	0.00	0.02	0.049	O	|	|	|	|	0.03
197.417	0.00	0.02	0.049	O	|	|	|	|	0.03
197.500	0.00	0.02	0.049	O	|	|	|	|	0.03
197.583	0.00	0.02	0.049	O	|	|	|	|	0.03
197.667	0.00	0.02	0.049	O	|	|	|	|	0.03
197.750	0.00	0.02	0.049	O	|	|	|	|	0.03
197.833	0.00	0.02	0.049	O	|	|	|	|	0.03
197.917	0.00	0.02	0.049	O	|	|	|	|	0.03
198.000	0.00	0.02	0.048	O	|	|	|	|	0.03
198.083	0.00	0.02	0.048	O	|	|	|	|	0.03
198.167	0.00	0.02	0.048	O	|	|	|	|	0.03
198.250	0.00	0.02	0.048	O	|	|	|	|	0.03
198.333	0.00	0.02	0.048	O	|	|	|	|	0.03
198.417	0.00	0.02	0.048	O	|	|	|	|	0.03
198.500	0.00	0.02	0.048	O	|	|	|	|	0.03
198.583	0.00	0.02	0.048	O	|	|	|	|	0.03
198.667	0.00	0.02	0.048	O	|	|	|	|	0.03
198.750	0.00	0.02	0.048	O	|	|	|	|	0.03
198.833	0.00	0.02	0.047	O	|	|	|	|	0.03
198.917	0.00	0.02	0.047	O	|	|	|	|	0.03
199.000	0.00	0.02	0.047	O	|	|	|	|	0.03
199.083	0.00	0.02	0.047	O	|	|	|	|	0.03
199.167	0.00	0.02	0.047	O	|	|	|	|	0.03
199.250	0.00	0.02	0.047	O	|	|	|	|	0.03
199.333	0.00	0.02	0.047	O	|	|	|	|	0.03
199.417	0.00	0.02	0.047	O	|	|	|	|	0.03
199.500	0.00	0.02	0.047	O	|	|	|	|	0.03
199.583	0.00	0.02	0.046	O	|	|	|	|	0.03
199.667	0.00	0.02	0.046	O	|	|	|	|	0.03
199.750	0.00	0.01	0.046	O	|	|	|	|	0.03
199.833	0.00	0.01	0.046	O	|	|	|	|	0.03
199.917	0.00	0.01	0.046	O	|	|	|	|	0.03
200.000	0.00	0.01	0.046	O	|	|	|	|	0.03
200.083	0.00	0.01	0.046	O	|	|	|	|	0.03
200.167	0.00	0.01	0.046	O	|	|	|	|	0.03
200.250	0.00	0.01	0.046	O	|	|	|	|	0.03
200.333	0.00	0.01	0.046	O	|	|	|	|	0.03
200.417	0.00	0.01	0.045	O	|	|	|	|	0.03
200.500	0.00	0.01	0.045	O	|	|	|	|	0.03
200.583	0.00	0.01	0.045	O	|	|	|	|	0.03
200.667	0.00	0.01	0.045	O	|	|	|	|	0.03
200.750	0.00	0.01	0.045	O	|	|	|	|	0.03
200.833	0.00	0.01	0.045	O	|	|	|	|	0.03
200.917	0.00	0.01	0.045	O	|	|	|	|	0.03
201.000	0.00	0.01	0.045	O	|	|	|	|	0.03
201.083	0.00	0.01	0.045	O	|	|	|	|	0.03

201.167	0.00	0.01	0.045	O	|	|	|	0.03
201.250	0.00	0.01	0.044	O	|	|	|	0.03
201.333	0.00	0.01	0.044	O	|	|	|	0.03
201.417	0.00	0.01	0.044	O	|	|	|	0.03
201.500	0.00	0.01	0.044	O	|	|	|	0.03
201.583	0.00	0.01	0.044	O	|	|	|	0.03
201.667	0.00	0.01	0.044	O	|	|	|	0.03
201.750	0.00	0.01	0.044	O	|	|	|	0.03
201.833	0.00	0.01	0.044	O	|	|	|	0.03
201.917	0.00	0.01	0.044	O	|	|	|	0.03
202.000	0.00	0.01	0.044	O	|	|	|	0.03
202.083	0.00	0.01	0.043	O	|	|	|	0.03
202.167	0.00	0.01	0.043	O	|	|	|	0.03
202.250	0.00	0.01	0.043	O	|	|	|	0.03
202.333	0.00	0.01	0.043	O	|	|	|	0.03
202.417	0.00	0.01	0.043	O	|	|	|	0.03
202.500	0.00	0.01	0.043	O	|	|	|	0.03
202.583	0.00	0.01	0.043	O	|	|	|	0.03
202.667	0.00	0.01	0.043	O	|	|	|	0.03
202.750	0.00	0.01	0.043	O	|	|	|	0.03
202.833	0.00	0.01	0.043	O	|	|	|	0.03
202.917	0.00	0.01	0.042	O	|	|	|	0.03
203.000	0.00	0.01	0.042	O	|	|	|	0.03
203.083	0.00	0.01	0.042	O	|	|	|	0.03
203.167	0.00	0.01	0.042	O	|	|	|	0.03
203.250	0.00	0.01	0.042	O	|	|	|	0.03
203.333	0.00	0.01	0.042	O	|	|	|	0.03
203.417	0.00	0.01	0.042	O	|	|	|	0.03
203.500	0.00	0.01	0.042	O	|	|	|	0.03
203.583	0.00	0.01	0.042	O	|	|	|	0.03
203.667	0.00	0.01	0.042	O	|	|	|	0.03
203.750	0.00	0.01	0.042	O	|	|	|	0.03
203.833	0.00	0.01	0.041	O	|	|	|	0.03
203.917	0.00	0.01	0.041	O	|	|	|	0.03
204.000	0.00	0.01	0.041	O	|	|	|	0.03
204.083	0.00	0.01	0.041	O	|	|	|	0.03
204.167	0.00	0.01	0.041	O	|	|	|	0.03
204.250	0.00	0.01	0.041	O	|	|	|	0.03
204.333	0.00	0.01	0.041	O	|	|	|	0.03
204.417	0.00	0.01	0.041	O	|	|	|	0.03
204.500	0.00	0.01	0.041	O	|	|	|	0.03
204.583	0.00	0.01	0.041	O	|	|	|	0.03
204.667	0.00	0.01	0.041	O	|	|	|	0.03
204.750	0.00	0.01	0.040	O	|	|	|	0.03
204.833	0.00	0.01	0.040	O	|	|	|	0.03
204.917	0.00	0.01	0.040	O	|	|	|	0.03
205.000	0.00	0.01	0.040	O	|	|	|	0.03
205.083	0.00	0.01	0.040	O	|	|	|	0.03
205.167	0.00	0.01	0.040	O	|	|	|	0.03
205.250	0.00	0.01	0.040	O	|	|	|	0.03
205.333	0.00	0.01	0.040	O	|	|	|	0.03
205.417	0.00	0.01	0.040	O	|	|	|	0.03
205.500	0.00	0.01	0.040	O	|	|	|	0.03
205.583	0.00	0.01	0.040	O	|	|	|	0.03
205.667	0.00	0.01	0.039	O	|	|	|	0.03
205.750	0.00	0.01	0.039	O	|	|	|	0.03
205.833	0.00	0.01	0.039	O	|	|	|	0.03
205.917	0.00	0.01	0.039	O	|	|	|	0.03
206.000	0.00	0.01	0.039	O	|	|	|	0.03
206.083	0.00	0.01	0.039	O	|	|	|	0.03
206.167	0.00	0.01	0.039	O	|	|	|	0.03
206.250	0.00	0.01	0.039	O	|	|	|	0.03
206.333	0.00	0.01	0.039	O	|	|	|	0.03
206.417	0.00	0.01	0.039	O	|	|	|	0.03
206.500	0.00	0.01	0.039	O	|	|	|	0.03
206.583	0.00	0.01	0.039	O	|	|	|	0.03
206.667	0.00	0.01	0.038	O	|	|	|	0.03

206.750	0.00	0.01	0.038	O	|	|	|	|	0.03
206.833	0.00	0.01	0.038	O	|	|	|	|	0.03
206.917	0.00	0.01	0.038	O	|	|	|	|	0.03
207.000	0.00	0.01	0.038	O	|	|	|	|	0.03
207.083	0.00	0.01	0.038	O	|	|	|	|	0.03
207.167	0.00	0.01	0.038	O	|	|	|	|	0.03
207.250	0.00	0.01	0.038	O	|	|	|	|	0.03
207.333	0.00	0.01	0.038	O	|	|	|	|	0.03
207.417	0.00	0.01	0.038	O	|	|	|	|	0.03
207.500	0.00	0.01	0.038	O	|	|	|	|	0.03
207.583	0.00	0.01	0.038	O	|	|	|	|	0.03
207.667	0.00	0.01	0.037	O	|	|	|	|	0.03
207.750	0.00	0.01	0.037	O	|	|	|	|	0.03
207.833	0.00	0.01	0.037	O	|	|	|	|	0.03
207.917	0.00	0.01	0.037	O	|	|	|	|	0.03
208.000	0.00	0.01	0.037	O	|	|	|	|	0.03
208.083	0.00	0.01	0.037	O	|	|	|	|	0.03
208.167	0.00	0.01	0.037	O	|	|	|	|	0.03
208.250	0.00	0.01	0.037	O	|	|	|	|	0.03
208.333	0.00	0.01	0.037	O	|	|	|	|	0.03
208.417	0.00	0.01	0.037	O	|	|	|	|	0.03
208.500	0.00	0.01	0.037	O	|	|	|	|	0.03
208.583	0.00	0.01	0.037	O	|	|	|	|	0.03
208.667	0.00	0.01	0.036	O	|	|	|	|	0.03
208.750	0.00	0.01	0.036	O	|	|	|	|	0.03
208.833	0.00	0.01	0.036	O	|	|	|	|	0.03
208.917	0.00	0.01	0.036	O	|	|	|	|	0.02
209.000	0.00	0.01	0.036	O	|	|	|	|	0.02
209.083	0.00	0.01	0.036	O	|	|	|	|	0.02
209.167	0.00	0.01	0.036	O	|	|	|	|	0.02
209.250	0.00	0.01	0.036	O	|	|	|	|	0.02
209.333	0.00	0.01	0.036	O	|	|	|	|	0.02
209.417	0.00	0.01	0.036	O	|	|	|	|	0.02
209.500	0.00	0.01	0.036	O	|	|	|	|	0.02
209.583	0.00	0.01	0.036	O	|	|	|	|	0.02
209.667	0.00	0.01	0.035	O	|	|	|	|	0.02
209.750	0.00	0.01	0.035	O	|	|	|	|	0.02
209.833	0.00	0.01	0.035	O	|	|	|	|	0.02
209.917	0.00	0.01	0.035	O	|	|	|	|	0.02
210.000	0.00	0.01	0.035	O	|	|	|	|	0.02
210.083	0.00	0.01	0.035	O	|	|	|	|	0.02
210.167	0.00	0.01	0.035	O	|	|	|	|	0.02
210.250	0.00	0.01	0.035	O	|	|	|	|	0.02
210.333	0.00	0.01	0.035	O	|	|	|	|	0.02
210.417	0.00	0.01	0.035	O	|	|	|	|	0.02
210.500	0.00	0.01	0.035	O	|	|	|	|	0.02
210.583	0.00	0.01	0.035	O	|	|	|	|	0.02
210.667	0.00	0.01	0.035	O	|	|	|	|	0.02
210.750	0.00	0.01	0.034	O	|	|	|	|	0.02
210.833	0.00	0.01	0.034	O	|	|	|	|	0.02
210.917	0.00	0.01	0.034	O	|	|	|	|	0.02
211.000	0.00	0.01	0.034	O	|	|	|	|	0.02
211.083	0.00	0.01	0.034	O	|	|	|	|	0.02
211.167	0.00	0.01	0.034	O	|	|	|	|	0.02
211.250	0.00	0.01	0.034	O	|	|	|	|	0.02
211.333	0.00	0.01	0.034	O	|	|	|	|	0.02
211.417	0.00	0.01	0.034	O	|	|	|	|	0.02
211.500	0.00	0.01	0.034	O	|	|	|	|	0.02
211.583	0.00	0.01	0.034	O	|	|	|	|	0.02
211.667	0.00	0.01	0.034	O	|	|	|	|	0.02
211.750	0.00	0.01	0.034	O	|	|	|	|	0.02
211.833	0.00	0.01	0.033	O	|	|	|	|	0.02
211.917	0.00	0.01	0.033	O	|	|	|	|	0.02
212.000	0.00	0.01	0.033	O	|	|	|	|	0.02
212.083	0.00	0.01	0.033	O	|	|	|	|	0.02
212.167	0.00	0.01	0.033	O	|	|	|	|	0.02
212.250	0.00	0.01	0.033	O	|	|	|	|	0.02

212.333	0.00	0.01	0.033	O	|	|	|	|	0.02
212.417	0.00	0.01	0.033	O	|	|	|	|	0.02
212.500	0.00	0.01	0.033	O	|	|	|	|	0.02
212.583	0.00	0.01	0.033	O	|	|	|	|	0.02
212.667	0.00	0.01	0.033	O	|	|	|	|	0.02
212.750	0.00	0.01	0.033	O	|	|	|	|	0.02
212.833	0.00	0.01	0.033	O	|	|	|	|	0.02
212.917	0.00	0.01	0.033	O	|	|	|	|	0.02
213.000	0.00	0.01	0.032	O	|	|	|	|	0.02
213.083	0.00	0.01	0.032	O	|	|	|	|	0.02
213.167	0.00	0.01	0.032	O	|	|	|	|	0.02
213.250	0.00	0.01	0.032	O	|	|	|	|	0.02
213.333	0.00	0.01	0.032	O	|	|	|	|	0.02
213.417	0.00	0.01	0.032	O	|	|	|	|	0.02
213.500	0.00	0.01	0.032	O	|	|	|	|	0.02
213.583	0.00	0.01	0.032	O	|	|	|	|	0.02
213.667	0.00	0.01	0.032	O	|	|	|	|	0.02
213.750	0.00	0.01	0.032	O	|	|	|	|	0.02
213.833	0.00	0.01	0.032	O	|	|	|	|	0.02
213.917	0.00	0.01	0.032	O	|	|	|	|	0.02
214.000	0.00	0.01	0.032	O	|	|	|	|	0.02
214.083	0.00	0.01	0.032	O	|	|	|	|	0.02
214.167	0.00	0.01	0.031	O	|	|	|	|	0.02
214.250	0.00	0.01	0.031	O	|	|	|	|	0.02
214.333	0.00	0.01	0.031	O	|	|	|	|	0.02
214.417	0.00	0.01	0.031	O	|	|	|	|	0.02
214.500	0.00	0.01	0.031	O	|	|	|	|	0.02
214.583	0.00	0.01	0.031	O	|	|	|	|	0.02
214.667	0.00	0.01	0.031	O	|	|	|	|	0.02
214.750	0.00	0.01	0.031	O	|	|	|	|	0.02
214.833	0.00	0.01	0.031	O	|	|	|	|	0.02
214.917	0.00	0.01	0.031	O	|	|	|	|	0.02
215.000	0.00	0.01	0.031	O	|	|	|	|	0.02
215.083	0.00	0.01	0.031	O	|	|	|	|	0.02
215.167	0.00	0.01	0.031	O	|	|	|	|	0.02
215.250	0.00	0.01	0.031	O	|	|	|	|	0.02
215.333	0.00	0.01	0.030	O	|	|	|	|	0.02
215.417	0.00	0.01	0.030	O	|	|	|	|	0.02
215.500	0.00	0.01	0.030	O	|	|	|	|	0.02
215.583	0.00	0.01	0.030	O	|	|	|	|	0.02
215.667	0.00	0.01	0.030	O	|	|	|	|	0.02
215.750	0.00	0.01	0.030	O	|	|	|	|	0.02
215.833	0.00	0.01	0.030	O	|	|	|	|	0.02
215.917	0.00	0.01	0.030	O	|	|	|	|	0.02
216.000	0.00	0.01	0.030	O	|	|	|	|	0.02
216.083	0.00	0.01	0.030	O	|	|	|	|	0.02
216.167	0.00	0.01	0.030	O	|	|	|	|	0.02
216.250	0.00	0.01	0.030	O	|	|	|	|	0.02
216.333	0.00	0.01	0.030	O	|	|	|	|	0.02
216.417	0.00	0.01	0.030	O	|	|	|	|	0.02
216.500	0.00	0.01	0.030	O	|	|	|	|	0.02
216.583	0.00	0.01	0.029	O	|	|	|	|	0.02
216.667	0.00	0.01	0.029	O	|	|	|	|	0.02
216.750	0.00	0.01	0.029	O	|	|	|	|	0.02
216.833	0.00	0.01	0.029	O	|	|	|	|	0.02
216.917	0.00	0.01	0.029	O	|	|	|	|	0.02
217.000	0.00	0.01	0.029	O	|	|	|	|	0.02
217.083	0.00	0.01	0.029	O	|	|	|	|	0.02
217.167	0.00	0.01	0.029	O	|	|	|	|	0.02
217.250	0.00	0.01	0.029	O	|	|	|	|	0.02
217.333	0.00	0.01	0.029	O	|	|	|	|	0.02
217.417	0.00	0.01	0.029	O	|	|	|	|	0.02
217.500	0.00	0.01	0.029	O	|	|	|	|	0.02
217.583	0.00	0.01	0.029	O	|	|	|	|	0.02
217.667	0.00	0.01	0.029	O	|	|	|	|	0.02
217.750	0.00	0.01	0.029	O	|	|	|	|	0.02
217.833	0.00	0.01	0.028	O	|	|	|	|	0.02

217.917	0.00	0.01	0.028	O	|	|	|	0.02
218.000	0.00	0.01	0.028	O	|	|	|	0.02
218.083	0.00	0.01	0.028	O	|	|	|	0.02
218.167	0.00	0.01	0.028	O	|	|	|	0.02
218.250	0.00	0.01	0.028	O	|	|	|	0.02
218.333	0.00	0.01	0.028	O	|	|	|	0.02
218.417	0.00	0.01	0.028	O	|	|	|	0.02
218.500	0.00	0.01	0.028	O	|	|	|	0.02
218.583	0.00	0.01	0.028	O	|	|	|	0.02
218.667	0.00	0.01	0.028	O	|	|	|	0.02
218.750	0.00	0.01	0.028	O	|	|	|	0.02
218.833	0.00	0.01	0.028	O	|	|	|	0.02
218.917	0.00	0.01	0.028	O	|	|	|	0.02
219.000	0.00	0.01	0.028	O	|	|	|	0.02
219.083	0.00	0.01	0.028	O	|	|	|	0.02
219.167	0.00	0.01	0.027	O	|	|	|	0.02
219.250	0.00	0.01	0.027	O	|	|	|	0.02
219.333	0.00	0.01	0.027	O	|	|	|	0.02
219.417	0.00	0.01	0.027	O	|	|	|	0.02
219.500	0.00	0.01	0.027	O	|	|	|	0.02
219.583	0.00	0.01	0.027	O	|	|	|	0.02
219.667	0.00	0.01	0.027	O	|	|	|	0.02
219.750	0.00	0.01	0.027	O	|	|	|	0.02
219.833	0.00	0.01	0.027	O	|	|	|	0.02
219.917	0.00	0.01	0.027	O	|	|	|	0.02
220.000	0.00	0.01	0.027	O	|	|	|	0.02
220.083	0.00	0.01	0.027	O	|	|	|	0.02
220.167	0.00	0.01	0.027	O	|	|	|	0.02
220.250	0.00	0.01	0.027	O	|	|	|	0.02
220.333	0.00	0.01	0.027	O	|	|	|	0.02
220.417	0.00	0.01	0.027	O	|	|	|	0.02
220.500	0.00	0.01	0.027	O	|	|	|	0.02
220.583	0.00	0.01	0.026	O	|	|	|	0.02
220.667	0.00	0.01	0.026	O	|	|	|	0.02
220.750	0.00	0.01	0.026	O	|	|	|	0.02
220.833	0.00	0.01	0.026	O	|	|	|	0.02
220.917	0.00	0.01	0.026	O	|	|	|	0.02
221.000	0.00	0.01	0.026	O	|	|	|	0.02
221.083	0.00	0.01	0.026	O	|	|	|	0.02
221.167	0.00	0.01	0.026	O	|	|	|	0.02
221.250	0.00	0.01	0.026	O	|	|	|	0.02
221.333	0.00	0.01	0.026	O	|	|	|	0.02
221.417	0.00	0.01	0.026	O	|	|	|	0.02
221.500	0.00	0.01	0.026	O	|	|	|	0.02
221.583	0.00	0.01	0.026	O	|	|	|	0.02
221.667	0.00	0.01	0.026	O	|	|	|	0.02
221.750	0.00	0.01	0.026	O	|	|	|	0.02
221.833	0.00	0.01	0.026	O	|	|	|	0.02
221.917	0.00	0.01	0.026	O	|	|	|	0.02
222.000	0.00	0.01	0.025	O	|	|	|	0.02
222.083	0.00	0.01	0.025	O	|	|	|	0.02
222.167	0.00	0.01	0.025	O	|	|	|	0.02
222.250	0.00	0.01	0.025	O	|	|	|	0.02
222.333	0.00	0.01	0.025	O	|	|	|	0.02
222.417	0.00	0.01	0.025	O	|	|	|	0.02
222.500	0.00	0.01	0.025	O	|	|	|	0.02
222.583	0.00	0.01	0.025	O	|	|	|	0.02
222.667	0.00	0.01	0.025	O	|	|	|	0.02
222.750	0.00	0.01	0.025	O	|	|	|	0.02
222.833	0.00	0.01	0.025	O	|	|	|	0.02
222.917	0.00	0.01	0.025	O	|	|	|	0.02
223.000	0.00	0.01	0.025	O	|	|	|	0.02
223.083	0.00	0.01	0.025	O	|	|	|	0.02
223.167	0.00	0.01	0.025	O	|	|	|	0.02
223.250	0.00	0.01	0.025	O	|	|	|	0.02
223.333	0.00	0.01	0.025	O	|	|	|	0.02
223.417	0.00	0.01	0.025	O	|	|	|	0.02

223.500	0.00	0.01	0.024	O	|	|	|	0.02
223.583	0.00	0.01	0.024	O	|	|	|	0.02
223.667	0.00	0.01	0.024	O	|	|	|	0.02
223.750	0.00	0.01	0.024	O	|	|	|	0.02
223.833	0.00	0.01	0.024	O	|	|	|	0.02
223.917	0.00	0.01	0.024	O	|	|	|	0.02
224.000	0.00	0.01	0.024	O	|	|	|	0.02
224.083	0.00	0.01	0.024	O	|	|	|	0.02
224.167	0.00	0.01	0.024	O	|	|	|	0.02
224.250	0.00	0.01	0.024	O	|	|	|	0.02
224.333	0.00	0.01	0.024	O	|	|	|	0.02
224.417	0.00	0.01	0.024	O	|	|	|	0.02
224.500	0.00	0.01	0.024	O	|	|	|	0.02
224.583	0.00	0.01	0.024	O	|	|	|	0.02
224.667	0.00	0.01	0.024	O	|	|	|	0.02
224.750	0.00	0.01	0.024	O	|	|	|	0.02
224.833	0.00	0.01	0.024	O	|	|	|	0.02
224.917	0.00	0.01	0.024	O	|	|	|	0.02
225.000	0.00	0.01	0.024	O	|	|	|	0.02
225.083	0.00	0.01	0.023	O	|	|	|	0.02
225.167	0.00	0.01	0.023	O	|	|	|	0.02
225.250	0.00	0.01	0.023	O	|	|	|	0.02
225.333	0.00	0.01	0.023	O	|	|	|	0.02
225.417	0.00	0.01	0.023	O	|	|	|	0.02
225.500	0.00	0.01	0.023	O	|	|	|	0.02
225.583	0.00	0.01	0.023	O	|	|	|	0.02
225.667	0.00	0.01	0.023	O	|	|	|	0.02
225.750	0.00	0.01	0.023	O	|	|	|	0.02
225.833	0.00	0.01	0.023	O	|	|	|	0.02
225.917	0.00	0.01	0.023	O	|	|	|	0.02
226.000	0.00	0.01	0.023	O	|	|	|	0.02
226.083	0.00	0.01	0.023	O	|	|	|	0.02
226.167	0.00	0.01	0.023	O	|	|	|	0.02
226.250	0.00	0.01	0.023	O	|	|	|	0.02
226.333	0.00	0.01	0.023	O	|	|	|	0.02
226.417	0.00	0.01	0.023	O	|	|	|	0.02
226.500	0.00	0.01	0.023	O	|	|	|	0.02
226.583	0.00	0.01	0.023	O	|	|	|	0.02
226.667	0.00	0.01	0.022	O	|	|	|	0.02
226.750	0.00	0.01	0.022	O	|	|	|	0.02
226.833	0.00	0.01	0.022	O	|	|	|	0.02
226.917	0.00	0.01	0.022	O	|	|	|	0.02
227.000	0.00	0.01	0.022	O	|	|	|	0.02
227.083	0.00	0.01	0.022	O	|	|	|	0.02
227.167	0.00	0.01	0.022	O	|	|	|	0.02
227.250	0.00	0.01	0.022	O	|	|	|	0.02
227.333	0.00	0.01	0.022	O	|	|	|	0.02
227.417	0.00	0.01	0.022	O	|	|	|	0.02
227.500	0.00	0.01	0.022	O	|	|	|	0.02
227.583	0.00	0.01	0.022	O	|	|	|	0.02
227.667	0.00	0.01	0.022	O	|	|	|	0.02
227.750	0.00	0.01	0.022	O	|	|	|	0.02
227.833	0.00	0.01	0.022	O	|	|	|	0.02
227.917	0.00	0.01	0.022	O	|	|	|	0.02
228.000	0.00	0.01	0.022	O	|	|	|	0.01
228.083	0.00	0.01	0.022	O	|	|	|	0.01
228.167	0.00	0.01	0.022	O	|	|	|	0.01
228.250	0.00	0.01	0.022	O	|	|	|	0.01
228.333	0.00	0.01	0.022	O	|	|	|	0.01
228.417	0.00	0.01	0.021	O	|	|	|	0.01
228.500	0.00	0.01	0.021	O	|	|	|	0.01
228.583	0.00	0.01	0.021	O	|	|	|	0.01
228.667	0.00	0.01	0.021	O	|	|	|	0.01
228.750	0.00	0.01	0.021	O	|	|	|	0.01
228.833	0.00	0.01	0.021	O	|	|	|	0.01
228.917	0.00	0.01	0.021	O	|	|	|	0.01
229.000	0.00	0.01	0.021	O	|	|	|	0.01

229.083	0.00	0.01	0.021	O	|	|	|	|	0.01
229.167	0.00	0.01	0.021	O	|	|	|	|	0.01
229.250	0.00	0.01	0.021	O	|	|	|	|	0.01
229.333	0.00	0.01	0.021	O	|	|	|	|	0.01
229.417	0.00	0.01	0.021	O	|	|	|	|	0.01
229.500	0.00	0.01	0.021	O	|	|	|	|	0.01
229.583	0.00	0.01	0.021	O	|	|	|	|	0.01
229.667	0.00	0.01	0.021	O	|	|	|	|	0.01
229.750	0.00	0.01	0.021	O	|	|	|	|	0.01
229.833	0.00	0.01	0.021	O	|	|	|	|	0.01
229.917	0.00	0.01	0.021	O	|	|	|	|	0.01
230.000	0.00	0.01	0.021	O	|	|	|	|	0.01
230.083	0.00	0.01	0.021	O	|	|	|	|	0.01
230.167	0.00	0.01	0.020	O	|	|	|	|	0.01
230.250	0.00	0.01	0.020	O	|	|	|	|	0.01
230.333	0.00	0.01	0.020	O	|	|	|	|	0.01
230.417	0.00	0.01	0.020	O	|	|	|	|	0.01
230.500	0.00	0.01	0.020	O	|	|	|	|	0.01
230.583	0.00	0.01	0.020	O	|	|	|	|	0.01
230.667	0.00	0.01	0.020	O	|	|	|	|	0.01
230.750	0.00	0.01	0.020	O	|	|	|	|	0.01
230.833	0.00	0.01	0.020	O	|	|	|	|	0.01
230.917	0.00	0.01	0.020	O	|	|	|	|	0.01
231.000	0.00	0.01	0.020	O	|	|	|	|	0.01
231.083	0.00	0.01	0.020	O	|	|	|	|	0.01
231.167	0.00	0.01	0.020	O	|	|	|	|	0.01
231.250	0.00	0.01	0.020	O	|	|	|	|	0.01
231.333	0.00	0.01	0.020	O	|	|	|	|	0.01
231.417	0.00	0.01	0.020	O	|	|	|	|	0.01
231.500	0.00	0.01	0.020	O	|	|	|	|	0.01
231.583	0.00	0.01	0.020	O	|	|	|	|	0.01
231.667	0.00	0.01	0.020	O	|	|	|	|	0.01
231.750	0.00	0.01	0.020	O	|	|	|	|	0.01
231.833	0.00	0.01	0.020	O	|	|	|	|	0.01
231.917	0.00	0.01	0.020	O	|	|	|	|	0.01
232.000	0.00	0.01	0.019	O	|	|	|	|	0.01
232.083	0.00	0.01	0.019	O	|	|	|	|	0.01
232.167	0.00	0.01	0.019	O	|	|	|	|	0.01
232.250	0.00	0.01	0.019	O	|	|	|	|	0.01
232.333	0.00	0.01	0.019	O	|	|	|	|	0.01
232.417	0.00	0.01	0.019	O	|	|	|	|	0.01
232.500	0.00	0.01	0.019	O	|	|	|	|	0.01
232.583	0.00	0.01	0.019	O	|	|	|	|	0.01
232.667	0.00	0.01	0.019	O	|	|	|	|	0.01
232.750	0.00	0.01	0.019	O	|	|	|	|	0.01
232.833	0.00	0.01	0.019	O	|	|	|	|	0.01
232.917	0.00	0.01	0.019	O	|	|	|	|	0.01
233.000	0.00	0.01	0.019	O	|	|	|	|	0.01
233.083	0.00	0.01	0.019	O	|	|	|	|	0.01
233.167	0.00	0.01	0.019	O	|	|	|	|	0.01
233.250	0.00	0.01	0.019	O	|	|	|	|	0.01
233.333	0.00	0.01	0.019	O	|	|	|	|	0.01
233.417	0.00	0.01	0.019	O	|	|	|	|	0.01
233.500	0.00	0.01	0.019	O	|	|	|	|	0.01
233.583	0.00	0.01	0.019	O	|	|	|	|	0.01
233.667	0.00	0.01	0.019	O	|	|	|	|	0.01
233.750	0.00	0.01	0.019	O	|	|	|	|	0.01
233.833	0.00	0.01	0.019	O	|	|	|	|	0.01
233.917	0.00	0.01	0.019	O	|	|	|	|	0.01
234.000	0.00	0.01	0.018	O	|	|	|	|	0.01
234.083	0.00	0.01	0.018	O	|	|	|	|	0.01
234.167	0.00	0.01	0.018	O	|	|	|	|	0.01
234.250	0.00	0.01	0.018	O	|	|	|	|	0.01
234.333	0.00	0.01	0.018	O	|	|	|	|	0.01
234.417	0.00	0.01	0.018	O	|	|	|	|	0.01
234.500	0.00	0.01	0.018	O	|	|	|	|	0.01
234.583	0.00	0.01	0.018	O	|	|	|	|	0.01

234.667	0.00	0.01	0.018	O	|	|	|	|	0.01
234.750	0.00	0.01	0.018	O	|	|	|	|	0.01
234.833	0.00	0.01	0.018	O	|	|	|	|	0.01
234.917	0.00	0.01	0.018	O	|	|	|	|	0.01
235.000	0.00	0.01	0.018	O	|	|	|	|	0.01
235.083	0.00	0.01	0.018	O	|	|	|	|	0.01
235.167	0.00	0.01	0.018	O	|	|	|	|	0.01
235.250	0.00	0.01	0.018	O	|	|	|	|	0.01
235.333	0.00	0.01	0.018	O	|	|	|	|	0.01
235.417	0.00	0.01	0.018	O	|	|	|	|	0.01
235.500	0.00	0.01	0.018	O	|	|	|	|	0.01
235.583	0.00	0.01	0.018	O	|	|	|	|	0.01
235.667	0.00	0.01	0.018	O	|	|	|	|	0.01
235.750	0.00	0.01	0.018	O	|	|	|	|	0.01
235.833	0.00	0.01	0.018	O	|	|	|	|	0.01
235.917	0.00	0.01	0.018	O	|	|	|	|	0.01
236.000	0.00	0.01	0.018	O	|	|	|	|	0.01
236.083	0.00	0.01	0.017	O	|	|	|	|	0.01
236.167	0.00	0.01	0.017	O	|	|	|	|	0.01
236.250	0.00	0.01	0.017	O	|	|	|	|	0.01
236.333	0.00	0.01	0.017	O	|	|	|	|	0.01
236.417	0.00	0.01	0.017	O	|	|	|	|	0.01
236.500	0.00	0.01	0.017	O	|	|	|	|	0.01
236.583	0.00	0.01	0.017	O	|	|	|	|	0.01
236.667	0.00	0.01	0.017	O	|	|	|	|	0.01
236.750	0.00	0.01	0.017	O	|	|	|	|	0.01
236.833	0.00	0.01	0.017	O	|	|	|	|	0.01
236.917	0.00	0.01	0.017	O	|	|	|	|	0.01
237.000	0.00	0.01	0.017	O	|	|	|	|	0.01
237.083	0.00	0.01	0.017	O	|	|	|	|	0.01
237.167	0.00	0.01	0.017	O	|	|	|	|	0.01
237.250	0.00	0.01	0.017	O	|	|	|	|	0.01
237.333	0.00	0.01	0.017	O	|	|	|	|	0.01
237.417	0.00	0.01	0.017	O	|	|	|	|	0.01
237.500	0.00	0.01	0.017	O	|	|	|	|	0.01
237.583	0.00	0.01	0.017	O	|	|	|	|	0.01
237.667	0.00	0.01	0.017	O	|	|	|	|	0.01
237.750	0.00	0.01	0.017	O	|	|	|	|	0.01
237.833	0.00	0.01	0.017	O	|	|	|	|	0.01
237.917	0.00	0.01	0.017	O	|	|	|	|	0.01
238.000	0.00	0.01	0.017	O	|	|	|	|	0.01
238.083	0.00	0.01	0.017	O	|	|	|	|	0.01
238.167	0.00	0.01	0.017	O	|	|	|	|	0.01
238.250	0.00	0.01	0.016	O	|	|	|	|	0.01
238.333	0.00	0.01	0.016	O	|	|	|	|	0.01
238.417	0.00	0.01	0.016	O	|	|	|	|	0.01
238.500	0.00	0.01	0.016	O	|	|	|	|	0.01
238.583	0.00	0.01	0.016	O	|	|	|	|	0.01
238.667	0.00	0.01	0.016	O	|	|	|	|	0.01
238.750	0.00	0.01	0.016	O	|	|	|	|	0.01
238.833	0.00	0.01	0.016	O	|	|	|	|	0.01
238.917	0.00	0.01	0.016	O	|	|	|	|	0.01
239.000	0.00	0.01	0.016	O	|	|	|	|	0.01
239.083	0.00	0.01	0.016	O	|	|	|	|	0.01
239.167	0.00	0.01	0.016	O	|	|	|	|	0.01
239.250	0.00	0.01	0.016	O	|	|	|	|	0.01
239.333	0.00	0.01	0.016	O	|	|	|	|	0.01
239.417	0.00	0.01	0.016	O	|	|	|	|	0.01
239.500	0.00	0.01	0.016	O	|	|	|	|	0.01
239.583	0.00	0.01	0.016	O	|	|	|	|	0.01
239.667	0.00	0.01	0.016	O	|	|	|	|	0.01
239.750	0.00	0.01	0.016	O	|	|	|	|	0.01
239.833	0.00	0.01	0.016	O	|	|	|	|	0.01
239.917	0.00	0.01	0.016	O	|	|	|	|	0.01
240.000	0.00	0.01	0.016	O	|	|	|	|	0.01
240.083	0.00	0.01	0.016	O	|	|	|	|	0.01
240.167	0.00	0.01	0.016	O	|	|	|	|	0.01

240.250	0.00	0.01	0.016	O	|	|	|	|	0.01
240.333	0.00	0.01	0.016	O	|	|	|	|	0.01
240.417	0.00	0.01	0.016	O	|	|	|	|	0.01
240.500	0.00	0.01	0.016	O	|	|	|	|	0.01
240.583	0.00	0.01	0.015	O	|	|	|	|	0.01
240.667	0.00	0.01	0.015	O	|	|	|	|	0.01
240.750	0.00	0.00	0.015	O	|	|	|	|	0.01
240.833	0.00	0.00	0.015	O	|	|	|	|	0.01
240.917	0.00	0.00	0.015	O	|	|	|	|	0.01
241.000	0.00	0.00	0.015	O	|	|	|	|	0.01
241.083	0.00	0.00	0.015	O	|	|	|	|	0.01
241.167	0.00	0.00	0.015	O	|	|	|	|	0.01
241.250	0.00	0.00	0.015	O	|	|	|	|	0.01
241.333	0.00	0.00	0.015	O	|	|	|	|	0.01
241.417	0.00	0.00	0.015	O	|	|	|	|	0.01
241.500	0.00	0.00	0.015	O	|	|	|	|	0.01
241.583	0.00	0.00	0.015	O	|	|	|	|	0.01
241.667	0.00	0.00	0.015	O	|	|	|	|	0.01
241.750	0.00	0.00	0.015	O	|	|	|	|	0.01
241.833	0.00	0.00	0.015	O	|	|	|	|	0.01
241.917	0.00	0.00	0.015	O	|	|	|	|	0.01
242.000	0.00	0.00	0.015	O	|	|	|	|	0.01
242.083	0.00	0.00	0.015	O	|	|	|	|	0.01
242.167	0.00	0.00	0.015	O	|	|	|	|	0.01
242.250	0.00	0.00	0.015	O	|	|	|	|	0.01
242.333	0.00	0.00	0.015	O	|	|	|	|	0.01
242.417	0.00	0.00	0.015	O	|	|	|	|	0.01
242.500	0.00	0.00	0.015	O	|	|	|	|	0.01
242.583	0.00	0.00	0.015	O	|	|	|	|	0.01
242.667	0.00	0.00	0.015	O	|	|	|	|	0.01
242.750	0.00	0.00	0.015	O	|	|	|	|	0.01
242.833	0.00	0.00	0.015	O	|	|	|	|	0.01
242.917	0.00	0.00	0.015	O	|	|	|	|	0.01
243.000	0.00	0.00	0.015	O	|	|	|	|	0.01
243.083	0.00	0.00	0.014	O	|	|	|	|	0.01
243.167	0.00	0.00	0.014	O	|	|	|	|	0.01
243.250	0.00	0.00	0.014	O	|	|	|	|	0.01
243.333	0.00	0.00	0.014	O	|	|	|	|	0.01
243.417	0.00	0.00	0.014	O	|	|	|	|	0.01
243.500	0.00	0.00	0.014	O	|	|	|	|	0.01
243.583	0.00	0.00	0.014	O	|	|	|	|	0.01
243.667	0.00	0.00	0.014	O	|	|	|	|	0.01
243.750	0.00	0.00	0.014	O	|	|	|	|	0.01
243.833	0.00	0.00	0.014	O	|	|	|	|	0.01
243.917	0.00	0.00	0.014	O	|	|	|	|	0.01
244.000	0.00	0.00	0.014	O	|	|	|	|	0.01
244.083	0.00	0.00	0.014	O	|	|	|	|	0.01
244.167	0.00	0.00	0.014	O	|	|	|	|	0.01
244.250	0.00	0.00	0.014	O	|	|	|	|	0.01
244.333	0.00	0.00	0.014	O	|	|	|	|	0.01
244.417	0.00	0.00	0.014	O	|	|	|	|	0.01
244.500	0.00	0.00	0.014	O	|	|	|	|	0.01
244.583	0.00	0.00	0.014	O	|	|	|	|	0.01
244.667	0.00	0.00	0.014	O	|	|	|	|	0.01
244.750	0.00	0.00	0.014	O	|	|	|	|	0.01
244.833	0.00	0.00	0.014	O	|	|	|	|	0.01
244.917	0.00	0.00	0.014	O	|	|	|	|	0.01
245.000	0.00	0.00	0.014	O	|	|	|	|	0.01
245.083	0.00	0.00	0.014	O	|	|	|	|	0.01
245.167	0.00	0.00	0.014	O	|	|	|	|	0.01
245.250	0.00	0.00	0.014	O	|	|	|	|	0.01
245.333	0.00	0.00	0.014	O	|	|	|	|	0.01
245.417	0.00	0.00	0.014	O	|	|	|	|	0.01
245.500	0.00	0.00	0.014	O	|	|	|	|	0.01
245.583	0.00	0.00	0.014	O	|	|	|	|	0.01
245.667	0.00	0.00	0.014	O	|	|	|	|	0.01
245.750	0.00	0.00	0.013	O	|	|	|	|	0.01

245.833	0.00	0.00	0.013	O	|	|	|	| 0.01
245.917	0.00	0.00	0.013	O	|	|	|	| 0.01
246.000	0.00	0.00	0.013	O	|	|	|	| 0.01
246.083	0.00	0.00	0.013	O	|	|	|	| 0.01
246.167	0.00	0.00	0.013	O	|	|	|	| 0.01
246.250	0.00	0.00	0.013	O	|	|	|	| 0.01
246.333	0.00	0.00	0.013	O	|	|	|	| 0.01
246.417	0.00	0.00	0.013	O	|	|	|	| 0.01
246.500	0.00	0.00	0.013	O	|	|	|	| 0.01
246.583	0.00	0.00	0.013	O	|	|	|	| 0.01
246.667	0.00	0.00	0.013	O	|	|	|	| 0.01
246.750	0.00	0.00	0.013	O	|	|	|	| 0.01
246.833	0.00	0.00	0.013	O	|	|	|	| 0.01
246.917	0.00	0.00	0.013	O	|	|	|	| 0.01
247.000	0.00	0.00	0.013	O	|	|	|	| 0.01
247.083	0.00	0.00	0.013	O	|	|	|	| 0.01
247.167	0.00	0.00	0.013	O	|	|	|	| 0.01
247.250	0.00	0.00	0.013	O	|	|	|	| 0.01
247.333	0.00	0.00	0.013	O	|	|	|	| 0.01
247.417	0.00	0.00	0.013	O	|	|	|	| 0.01
247.500	0.00	0.00	0.013	O	|	|	|	| 0.01
247.583	0.00	0.00	0.013	O	|	|	|	| 0.01
247.667	0.00	0.00	0.013	O	|	|	|	| 0.01
247.750	0.00	0.00	0.013	O	|	|	|	| 0.01
247.833	0.00	0.00	0.013	O	|	|	|	| 0.01
247.917	0.00	0.00	0.013	O	|	|	|	| 0.01
248.000	0.00	0.00	0.013	O	|	|	|	| 0.01
248.083	0.00	0.00	0.013	O	|	|	|	| 0.01
248.167	0.00	0.00	0.013	O	|	|	|	| 0.01
248.250	0.00	0.00	0.013	O	|	|	|	| 0.01
248.333	0.00	0.00	0.013	O	|	|	|	| 0.01
248.417	0.00	0.00	0.013	O	|	|	|	| 0.01
248.500	0.00	0.00	0.013	O	|	|	|	| 0.01
248.583	0.00	0.00	0.013	O	|	|	|	| 0.01
248.667	0.00	0.00	0.012	O	|	|	|	| 0.01
248.750	0.00	0.00	0.012	O	|	|	|	| 0.01
248.833	0.00	0.00	0.012	O	|	|	|	| 0.01
248.917	0.00	0.00	0.012	O	|	|	|	| 0.01
249.000	0.00	0.00	0.012	O	|	|	|	| 0.01
249.083	0.00	0.00	0.012	O	|	|	|	| 0.01
249.167	0.00	0.00	0.012	O	|	|	|	| 0.01
249.250	0.00	0.00	0.012	O	|	|	|	| 0.01
249.333	0.00	0.00	0.012	O	|	|	|	| 0.01
249.417	0.00	0.00	0.012	O	|	|	|	| 0.01
249.500	0.00	0.00	0.012	O	|	|	|	| 0.01
249.583	0.00	0.00	0.012	O	|	|	|	| 0.01
249.667	0.00	0.00	0.012	O	|	|	|	| 0.01
249.750	0.00	0.00	0.012	O	|	|	|	| 0.01
249.833	0.00	0.00	0.012	O	|	|	|	| 0.01
249.917	0.00	0.00	0.012	O	|	|	|	| 0.01
250.000	0.00	0.00	0.012	O	|	|	|	| 0.01
250.083	0.00	0.00	0.012	O	|	|	|	| 0.01
250.167	0.00	0.00	0.012	O	|	|	|	| 0.01
250.250	0.00	0.00	0.012	O	|	|	|	| 0.01
250.333	0.00	0.00	0.012	O	|	|	|	| 0.01
250.417	0.00	0.00	0.012	O	|	|	|	| 0.01
250.500	0.00	0.00	0.012	O	|	|	|	| 0.01
250.583	0.00	0.00	0.012	O	|	|	|	| 0.01
250.667	0.00	0.00	0.012	O	|	|	|	| 0.01
250.750	0.00	0.00	0.012	O	|	|	|	| 0.01
250.833	0.00	0.00	0.012	O	|	|	|	| 0.01
250.917	0.00	0.00	0.012	O	|	|	|	| 0.01
251.000	0.00	0.00	0.012	O	|	|	|	| 0.01
251.083	0.00	0.00	0.012	O	|	|	|	| 0.01
251.167	0.00	0.00	0.012	O	|	|	|	| 0.01
251.250	0.00	0.00	0.012	O	|	|	|	| 0.01
251.333	0.00	0.00	0.012	O	|	|	|	| 0.01

251.417	0.00	0.00	0.012	O	|	|	|	|	0.01
251.500	0.00	0.00	0.012	O	|	|	|	|	0.01
251.583	0.00	0.00	0.012	O	|	|	|	|	0.01
251.667	0.00	0.00	0.012	O	|	|	|	|	0.01
251.750	0.00	0.00	0.011	O	|	|	|	|	0.01
251.833	0.00	0.00	0.011	O	|	|	|	|	0.01
251.917	0.00	0.00	0.011	O	|	|	|	|	0.01
252.000	0.00	0.00	0.011	O	|	|	|	|	0.01
252.083	0.00	0.00	0.011	O	|	|	|	|	0.01
252.167	0.00	0.00	0.011	O	|	|	|	|	0.01
252.250	0.00	0.00	0.011	O	|	|	|	|	0.01
252.333	0.00	0.00	0.011	O	|	|	|	|	0.01
252.417	0.00	0.00	0.011	O	|	|	|	|	0.01
252.500	0.00	0.00	0.011	O	|	|	|	|	0.01
252.583	0.00	0.00	0.011	O	|	|	|	|	0.01
252.667	0.00	0.00	0.011	O	|	|	|	|	0.01
252.750	0.00	0.00	0.011	O	|	|	|	|	0.01
252.833	0.00	0.00	0.011	O	|	|	|	|	0.01
252.917	0.00	0.00	0.011	O	|	|	|	|	0.01
253.000	0.00	0.00	0.011	O	|	|	|	|	0.01
253.083	0.00	0.00	0.011	O	|	|	|	|	0.01
253.167	0.00	0.00	0.011	O	|	|	|	|	0.01
253.250	0.00	0.00	0.011	O	|	|	|	|	0.01
253.333	0.00	0.00	0.011	O	|	|	|	|	0.01
253.417	0.00	0.00	0.011	O	|	|	|	|	0.01
253.500	0.00	0.00	0.011	O	|	|	|	|	0.01
253.583	0.00	0.00	0.011	O	|	|	|	|	0.01
253.667	0.00	0.00	0.011	O	|	|	|	|	0.01
253.750	0.00	0.00	0.011	O	|	|	|	|	0.01
253.833	0.00	0.00	0.011	O	|	|	|	|	0.01
253.917	0.00	0.00	0.011	O	|	|	|	|	0.01
254.000	0.00	0.00	0.011	O	|	|	|	|	0.01
254.083	0.00	0.00	0.011	O	|	|	|	|	0.01
254.167	0.00	0.00	0.011	O	|	|	|	|	0.01
254.250	0.00	0.00	0.011	O	|	|	|	|	0.01
254.333	0.00	0.00	0.011	O	|	|	|	|	0.01
254.417	0.00	0.00	0.011	O	|	|	|	|	0.01
254.500	0.00	0.00	0.011	O	|	|	|	|	0.01
254.583	0.00	0.00	0.011	O	|	|	|	|	0.01
254.667	0.00	0.00	0.011	O	|	|	|	|	0.01
254.750	0.00	0.00	0.011	O	|	|	|	|	0.01
254.833	0.00	0.00	0.011	O	|	|	|	|	0.01
254.917	0.00	0.00	0.011	O	|	|	|	|	0.01
255.000	0.00	0.00	0.011	O	|	|	|	|	0.01
255.083	0.00	0.00	0.011	O	|	|	|	|	0.01
255.167	0.00	0.00	0.010	O	|	|	|	|	0.01
255.250	0.00	0.00	0.010	O	|	|	|	|	0.01
255.333	0.00	0.00	0.010	O	|	|	|	|	0.01
255.417	0.00	0.00	0.010	O	|	|	|	|	0.01
255.500	0.00	0.00	0.010	O	|	|	|	|	0.01
255.583	0.00	0.00	0.010	O	|	|	|	|	0.01
255.667	0.00	0.00	0.010	O	|	|	|	|	0.01
255.750	0.00	0.00	0.010	O	|	|	|	|	0.01
255.833	0.00	0.00	0.010	O	|	|	|	|	0.01
255.917	0.00	0.00	0.010	O	|	|	|	|	0.01
256.000	0.00	0.00	0.010	O	|	|	|	|	0.01
256.083	0.00	0.00	0.010	O	|	|	|	|	0.01
256.167	0.00	0.00	0.010	O	|	|	|	|	0.01
256.250	0.00	0.00	0.010	O	|	|	|	|	0.01
256.333	0.00	0.00	0.010	O	|	|	|	|	0.01
256.417	0.00	0.00	0.010	O	|	|	|	|	0.01
256.500	0.00	0.00	0.010	O	|	|	|	|	0.01
256.583	0.00	0.00	0.010	O	|	|	|	|	0.01
256.667	0.00	0.00	0.010	O	|	|	|	|	0.01
256.750	0.00	0.00	0.010	O	|	|	|	|	0.01
256.833	0.00	0.00	0.010	O	|	|	|	|	0.01
256.917	0.00	0.00	0.010	O	|	|	|	|	0.01

257.000	0.00	0.00	0.010	O	|	|	|	|	0.01
257.083	0.00	0.00	0.010	O	|	|	|	|	0.01
257.167	0.00	0.00	0.010	O	|	|	|	|	0.01
257.250	0.00	0.00	0.010	O	|	|	|	|	0.01
257.333	0.00	0.00	0.010	O	|	|	|	|	0.01
257.417	0.00	0.00	0.010	O	|	|	|	|	0.01
257.500	0.00	0.00	0.010	O	|	|	|	|	0.01
257.583	0.00	0.00	0.010	O	|	|	|	|	0.01
257.667	0.00	0.00	0.010	O	|	|	|	|	0.01
257.750	0.00	0.00	0.010	O	|	|	|	|	0.01
257.833	0.00	0.00	0.010	O	|	|	|	|	0.01
257.917	0.00	0.00	0.010	O	|	|	|	|	0.01
258.000	0.00	0.00	0.010	O	|	|	|	|	0.01
258.083	0.00	0.00	0.010	O	|	|	|	|	0.01
258.167	0.00	0.00	0.010	O	|	|	|	|	0.01
258.250	0.00	0.00	0.010	O	|	|	|	|	0.01
258.333	0.00	0.00	0.010	O	|	|	|	|	0.01
258.417	0.00	0.00	0.010	O	|	|	|	|	0.01
258.500	0.00	0.00	0.010	O	|	|	|	|	0.01
258.583	0.00	0.00	0.010	O	|	|	|	|	0.01
258.667	0.00	0.00	0.010	O	|	|	|	|	0.01
258.750	0.00	0.00	0.010	O	|	|	|	|	0.01
258.833	0.00	0.00	0.010	O	|	|	|	|	0.01
258.917	0.00	0.00	0.009	O	|	|	|	|	0.01
259.000	0.00	0.00	0.009	O	|	|	|	|	0.01
259.083	0.00	0.00	0.009	O	|	|	|	|	0.01
259.167	0.00	0.00	0.009	O	|	|	|	|	0.01
259.250	0.00	0.00	0.009	O	|	|	|	|	0.01
259.333	0.00	0.00	0.009	O	|	|	|	|	0.01
259.417	0.00	0.00	0.009	O	|	|	|	|	0.01
259.500	0.00	0.00	0.009	O	|	|	|	|	0.01
259.583	0.00	0.00	0.009	O	|	|	|	|	0.01
259.667	0.00	0.00	0.009	O	|	|	|	|	0.01
259.750	0.00	0.00	0.009	O	|	|	|	|	0.01
259.833	0.00	0.00	0.009	O	|	|	|	|	0.01
259.917	0.00	0.00	0.009	O	|	|	|	|	0.01
260.000	0.00	0.00	0.009	O	|	|	|	|	0.01
260.083	0.00	0.00	0.009	O	|	|	|	|	0.01
260.167	0.00	0.00	0.009	O	|	|	|	|	0.01
260.250	0.00	0.00	0.009	O	|	|	|	|	0.01
260.333	0.00	0.00	0.009	O	|	|	|	|	0.01
260.417	0.00	0.00	0.009	O	|	|	|	|	0.01
260.500	0.00	0.00	0.009	O	|	|	|	|	0.01
260.583	0.00	0.00	0.009	O	|	|	|	|	0.01
260.667	0.00	0.00	0.009	O	|	|	|	|	0.01
260.750	0.00	0.00	0.009	O	|	|	|	|	0.01
260.833	0.00	0.00	0.009	O	|	|	|	|	0.01
260.917	0.00	0.00	0.009	O	|	|	|	|	0.01
261.000	0.00	0.00	0.009	O	|	|	|	|	0.01
261.083	0.00	0.00	0.009	O	|	|	|	|	0.01
261.167	0.00	0.00	0.009	O	|	|	|	|	0.01
261.250	0.00	0.00	0.009	O	|	|	|	|	0.01
261.333	0.00	0.00	0.009	O	|	|	|	|	0.01
261.417	0.00	0.00	0.009	O	|	|	|	|	0.01
261.500	0.00	0.00	0.009	O	|	|	|	|	0.01
261.583	0.00	0.00	0.009	O	|	|	|	|	0.01
261.667	0.00	0.00	0.009	O	|	|	|	|	0.01
261.750	0.00	0.00	0.009	O	|	|	|	|	0.01
261.833	0.00	0.00	0.009	O	|	|	|	|	0.01
261.917	0.00	0.00	0.009	O	|	|	|	|	0.01
262.000	0.00	0.00	0.009	O	|	|	|	|	0.01
262.083	0.00	0.00	0.009	O	|	|	|	|	0.01
262.167	0.00	0.00	0.009	O	|	|	|	|	0.01
262.250	0.00	0.00	0.009	O	|	|	|	|	0.01
262.333	0.00	0.00	0.009	O	|	|	|	|	0.01
262.417	0.00	0.00	0.009	O	|	|	|	|	0.01
262.500	0.00	0.00	0.009	O	|	|	|	|	0.01

262.583	0.00	0.00	0.009	O	|	|	|	|	0.01
262.667	0.00	0.00	0.009	O	|	|	|	|	0.01
262.750	0.00	0.00	0.009	O	|	|	|	|	0.01
262.833	0.00	0.00	0.009	O	|	|	|	|	0.01
262.917	0.00	0.00	0.009	O	|	|	|	|	0.01
263.000	0.00	0.00	0.008	O	|	|	|	|	0.01
263.083	0.00	0.00	0.008	O	|	|	|	|	0.01
263.167	0.00	0.00	0.008	O	|	|	|	|	0.01
263.250	0.00	0.00	0.008	O	|	|	|	|	0.01
263.333	0.00	0.00	0.008	O	|	|	|	|	0.01
263.417	0.00	0.00	0.008	O	|	|	|	|	0.01
263.500	0.00	0.00	0.008	O	|	|	|	|	0.01
263.583	0.00	0.00	0.008	O	|	|	|	|	0.01
263.667	0.00	0.00	0.008	O	|	|	|	|	0.01
263.750	0.00	0.00	0.008	O	|	|	|	|	0.01
263.833	0.00	0.00	0.008	O	|	|	|	|	0.01
263.917	0.00	0.00	0.008	O	|	|	|	|	0.01
264.000	0.00	0.00	0.008	O	|	|	|	|	0.01
264.083	0.00	0.00	0.008	O	|	|	|	|	0.01
264.167	0.00	0.00	0.008	O	|	|	|	|	0.01
264.250	0.00	0.00	0.008	O	|	|	|	|	0.01
264.333	0.00	0.00	0.008	O	|	|	|	|	0.01
264.417	0.00	0.00	0.008	O	|	|	|	|	0.01
264.500	0.00	0.00	0.008	O	|	|	|	|	0.01
264.583	0.00	0.00	0.008	O	|	|	|	|	0.01
264.667	0.00	0.00	0.008	O	|	|	|	|	0.01
264.750	0.00	0.00	0.008	O	|	|	|	|	0.01
264.833	0.00	0.00	0.008	O	|	|	|	|	0.01
264.917	0.00	0.00	0.008	O	|	|	|	|	0.01
265.000	0.00	0.00	0.008	O	|	|	|	|	0.01
265.083	0.00	0.00	0.008	O	|	|	|	|	0.01
265.167	0.00	0.00	0.008	O	|	|	|	|	0.01
265.250	0.00	0.00	0.008	O	|	|	|	|	0.01
265.333	0.00	0.00	0.008	O	|	|	|	|	0.01
265.417	0.00	0.00	0.008	O	|	|	|	|	0.01
265.500	0.00	0.00	0.008	O	|	|	|	|	0.01
265.583	0.00	0.00	0.008	O	|	|	|	|	0.01
265.667	0.00	0.00	0.008	O	|	|	|	|	0.01
265.750	0.00	0.00	0.008	O	|	|	|	|	0.01
265.833	0.00	0.00	0.008	O	|	|	|	|	0.01
265.917	0.00	0.00	0.008	O	|	|	|	|	0.01
266.000	0.00	0.00	0.008	O	|	|	|	|	0.01
266.083	0.00	0.00	0.008	O	|	|	|	|	0.01
266.167	0.00	0.00	0.008	O	|	|	|	|	0.01
266.250	0.00	0.00	0.008	O	|	|	|	|	0.01
266.333	0.00	0.00	0.008	O	|	|	|	|	0.01
266.417	0.00	0.00	0.008	O	|	|	|	|	0.01
266.500	0.00	0.00	0.008	O	|	|	|	|	0.01
266.583	0.00	0.00	0.008	O	|	|	|	|	0.01
266.667	0.00	0.00	0.008	O	|	|	|	|	0.01
266.750	0.00	0.00	0.008	O	|	|	|	|	0.01
266.833	0.00	0.00	0.008	O	|	|	|	|	0.01
266.917	0.00	0.00	0.008	O	|	|	|	|	0.01
267.000	0.00	0.00	0.008	O	|	|	|	|	0.01
267.083	0.00	0.00	0.008	O	|	|	|	|	0.01
267.167	0.00	0.00	0.008	O	|	|	|	|	0.01
267.250	0.00	0.00	0.008	O	|	|	|	|	0.01
267.333	0.00	0.00	0.008	O	|	|	|	|	0.01
267.417	0.00	0.00	0.008	O	|	|	|	|	0.01
267.500	0.00	0.00	0.008	O	|	|	|	|	0.01
267.583	0.00	0.00	0.008	O	|	|	|	|	0.01
267.667	0.00	0.00	0.007	O	|	|	|	|	0.01
267.750	0.00	0.00	0.007	O	|	|	|	|	0.01
267.833	0.00	0.00	0.007	O	|	|	|	|	0.01
267.917	0.00	0.00	0.007	O	|	|	|	|	0.01
268.000	0.00	0.00	0.007	O	|	|	|	|	0.01
268.083	0.00	0.00	0.007	O	|	|	|	|	0.01

268.167	0.00	0.00	0.007	O				0.01
268.250	0.00	0.00	0.007	O				0.01
268.333	0.00	0.00	0.007	O				0.01
268.417	0.00	0.00	0.007	O				0.01
268.500	0.00	0.00	0.007	O				0.01
268.583	0.00	0.00	0.007	O				0.01
268.667	0.00	0.00	0.007	O				0.01
268.750	0.00	0.00	0.007	O				0.01
268.833	0.00	0.00	0.007	O				0.01
268.917	0.00	0.00	0.007	O				0.01
269.000	0.00	0.00	0.007	O				0.00
269.083	0.00	0.00	0.007	O				0.00
269.167	0.00	0.00	0.007	O				0.00
269.250	0.00	0.00	0.007	O				0.00
269.333	0.00	0.00	0.007	O				0.00
269.417	0.00	0.00	0.007	O				0.00
269.500	0.00	0.00	0.007	O				0.00
269.583	0.00	0.00	0.007	O				0.00
269.667	0.00	0.00	0.007	O				0.00
269.750	0.00	0.00	0.007	O				0.00
269.833	0.00	0.00	0.007	O				0.00
269.917	0.00	0.00	0.007	O				0.00
270.000	0.00	0.00	0.007	O				0.00
270.083	0.00	0.00	0.007	O				0.00
270.167	0.00	0.00	0.007	O				0.00
270.250	0.00	0.00	0.007	O				0.00
270.333	0.00	0.00	0.007	O				0.00
270.417	0.00	0.00	0.007	O				0.00
270.500	0.00	0.00	0.007	O				0.00
270.583	0.00	0.00	0.007	O				0.00
270.667	0.00	0.00	0.007	O				0.00
270.750	0.00	0.00	0.007	O				0.00
270.833	0.00	0.00	0.007	O				0.00
270.917	0.00	0.00	0.007	O				0.00
271.000	0.00	0.00	0.007	O				0.00
271.083	0.00	0.00	0.007	O				0.00
271.167	0.00	0.00	0.007	O				0.00
271.250	0.00	0.00	0.007	O				0.00
271.333	0.00	0.00	0.007	O				0.00
271.417	0.00	0.00	0.007	O				0.00
271.500	0.00	0.00	0.007	O				0.00
271.583	0.00	0.00	0.007	O				0.00
271.667	0.00	0.00	0.007	O				0.00
271.750	0.00	0.00	0.007	O				0.00
271.833	0.00	0.00	0.007	O				0.00
271.917	0.00	0.00	0.007	O				0.00
272.000	0.00	0.00	0.007	O				0.00
272.083	0.00	0.00	0.007	O				0.00
272.167	0.00	0.00	0.007	O				0.00
272.250	0.00	0.00	0.007	O				0.00
272.333	0.00	0.00	0.007	O				0.00
272.417	0.00	0.00	0.007	O				0.00
272.500	0.00	0.00	0.007	O				0.00
272.583	0.00	0.00	0.007	O				0.00
272.667	0.00	0.00	0.007	O				0.00
272.750	0.00	0.00	0.007	O				0.00
272.833	0.00	0.00	0.007	O				0.00
272.917	0.00	0.00	0.007	O				0.00
273.000	0.00	0.00	0.007	O				0.00
273.083	0.00	0.00	0.006	O				0.00
273.167	0.00	0.00	0.006	O				0.00
273.250	0.00	0.00	0.006	O				0.00
273.333	0.00	0.00	0.006	O				0.00
273.417	0.00	0.00	0.006	O				0.00
273.500	0.00	0.00	0.006	O				0.00
273.583	0.00	0.00	0.006	O				0.00
273.667	0.00	0.00	0.006	O				0.00

273.750	0.00	0.00	0.006	O	|	|	|	0.00
273.833	0.00	0.00	0.006	O	|	|	|	0.00
273.917	0.00	0.00	0.006	O	|	|	|	0.00
274.000	0.00	0.00	0.006	O	|	|	|	0.00
274.083	0.00	0.00	0.006	O	|	|	|	0.00
274.167	0.00	0.00	0.006	O	|	|	|	0.00
274.250	0.00	0.00	0.006	O	|	|	|	0.00
274.333	0.00	0.00	0.006	O	|	|	|	0.00
274.417	0.00	0.00	0.006	O	|	|	|	0.00
274.500	0.00	0.00	0.006	O	|	|	|	0.00
274.583	0.00	0.00	0.006	O	|	|	|	0.00
274.667	0.00	0.00	0.006	O	|	|	|	0.00
274.750	0.00	0.00	0.006	O	|	|	|	0.00
274.833	0.00	0.00	0.006	O	|	|	|	0.00
274.917	0.00	0.00	0.006	O	|	|	|	0.00
275.000	0.00	0.00	0.006	O	|	|	|	0.00
275.083	0.00	0.00	0.006	O	|	|	|	0.00
275.167	0.00	0.00	0.006	O	|	|	|	0.00
275.250	0.00	0.00	0.006	O	|	|	|	0.00
275.333	0.00	0.00	0.006	O	|	|	|	0.00
275.417	0.00	0.00	0.006	O	|	|	|	0.00
275.500	0.00	0.00	0.006	O	|	|	|	0.00
275.583	0.00	0.00	0.006	O	|	|	|	0.00
275.667	0.00	0.00	0.006	O	|	|	|	0.00
275.750	0.00	0.00	0.006	O	|	|	|	0.00
275.833	0.00	0.00	0.006	O	|	|	|	0.00
275.917	0.00	0.00	0.006	O	|	|	|	0.00
276.000	0.00	0.00	0.006	O	|	|	|	0.00
276.083	0.00	0.00	0.006	O	|	|	|	0.00
276.167	0.00	0.00	0.006	O	|	|	|	0.00
276.250	0.00	0.00	0.006	O	|	|	|	0.00
276.333	0.00	0.00	0.006	O	|	|	|	0.00
276.417	0.00	0.00	0.006	O	|	|	|	0.00
276.500	0.00	0.00	0.006	O	|	|	|	0.00
276.583	0.00	0.00	0.006	O	|	|	|	0.00
276.667	0.00	0.00	0.006	O	|	|	|	0.00
276.750	0.00	0.00	0.006	O	|	|	|	0.00
276.833	0.00	0.00	0.006	O	|	|	|	0.00
276.917	0.00	0.00	0.006	O	|	|	|	0.00
277.000	0.00	0.00	0.006	O	|	|	|	0.00
277.083	0.00	0.00	0.006	O	|	|	|	0.00
277.167	0.00	0.00	0.006	O	|	|	|	0.00
277.250	0.00	0.00	0.006	O	|	|	|	0.00
277.333	0.00	0.00	0.006	O	|	|	|	0.00
277.417	0.00	0.00	0.006	O	|	|	|	0.00
277.500	0.00	0.00	0.006	O	|	|	|	0.00
277.583	0.00	0.00	0.006	O	|	|	|	0.00
277.667	0.00	0.00	0.006	O	|	|	|	0.00
277.750	0.00	0.00	0.006	O	|	|	|	0.00
277.833	0.00	0.00	0.006	O	|	|	|	0.00
277.917	0.00	0.00	0.006	O	|	|	|	0.00
278.000	0.00	0.00	0.006	O	|	|	|	0.00
278.083	0.00	0.00	0.006	O	|	|	|	0.00
278.167	0.00	0.00	0.006	O	|	|	|	0.00
278.250	0.00	0.00	0.006	O	|	|	|	0.00
278.333	0.00	0.00	0.006	O	|	|	|	0.00
278.417	0.00	0.00	0.006	O	|	|	|	0.00
278.500	0.00	0.00	0.006	O	|	|	|	0.00
278.583	0.00	0.00	0.006	O	|	|	|	0.00
278.667	0.00	0.00	0.006	O	|	|	|	0.00
278.750	0.00	0.00	0.006	O	|	|	|	0.00
278.833	0.00	0.00	0.006	O	|	|	|	0.00
278.917	0.00	0.00	0.006	O	|	|	|	0.00
279.000	0.00	0.00	0.006	O	|	|	|	0.00
279.083	0.00	0.00	0.006	O	|	|	|	0.00
279.167	0.00	0.00	0.006	O	|	|	|	0.00
279.250	0.00	0.00	0.005	O	|	|	|	0.00

279.333	0.00	0.00	0.005	O					0.00
279.417	0.00	0.00	0.005	O					0.00
279.500	0.00	0.00	0.005	O					0.00
279.583	0.00	0.00	0.005	O					0.00
279.667	0.00	0.00	0.005	O					0.00
279.750	0.00	0.00	0.005	O					0.00
279.833	0.00	0.00	0.005	O					0.00
279.917	0.00	0.00	0.005	O					0.00
280.000	0.00	0.00	0.005	O					0.00
280.083	0.00	0.00	0.005	O					0.00
280.167	0.00	0.00	0.005	O					0.00
280.250	0.00	0.00	0.005	O					0.00
280.333	0.00	0.00	0.005	O					0.00
280.417	0.00	0.00	0.005	O					0.00
280.500	0.00	0.00	0.005	O					0.00
280.583	0.00	0.00	0.005	O					0.00
280.667	0.00	0.00	0.005	O					0.00
280.750	0.00	0.00	0.005	O					0.00
280.833	0.00	0.00	0.005	O					0.00
280.917	0.00	0.00	0.005	O					0.00
281.000	0.00	0.00	0.005	O					0.00
281.083	0.00	0.00	0.005	O					0.00
281.167	0.00	0.00	0.005	O					0.00
281.250	0.00	0.00	0.005	O					0.00
281.333	0.00	0.00	0.005	O					0.00
281.417	0.00	0.00	0.005	O					0.00
281.500	0.00	0.00	0.005	O					0.00
281.583	0.00	0.00	0.005	O					0.00
281.667	0.00	0.00	0.005	O					0.00
281.750	0.00	0.00	0.005	O					0.00
281.833	0.00	0.00	0.005	O					0.00
281.917	0.00	0.00	0.005	O					0.00
282.000	0.00	0.00	0.005	O					0.00
282.083	0.00	0.00	0.005	O					0.00
282.167	0.00	0.00	0.005	O					0.00
282.250	0.00	0.00	0.005	O					0.00
282.333	0.00	0.00	0.005	O					0.00
282.417	0.00	0.00	0.005	O					0.00
282.500	0.00	0.00	0.005	O					0.00
282.583	0.00	0.00	0.005	O					0.00
282.667	0.00	0.00	0.005	O					0.00
282.750	0.00	0.00	0.005	O					0.00
282.833	0.00	0.00	0.005	O					0.00
282.917	0.00	0.00	0.005	O					0.00
283.000	0.00	0.00	0.005	O					0.00
283.083	0.00	0.00	0.005	O					0.00
283.167	0.00	0.00	0.005	O					0.00
283.250	0.00	0.00	0.005	O					0.00
283.333	0.00	0.00	0.005	O					0.00
283.417	0.00	0.00	0.005	O					0.00
283.500	0.00	0.00	0.005	O					0.00
283.583	0.00	0.00	0.005	O					0.00
283.667	0.00	0.00	0.005	O					0.00
283.750	0.00	0.00	0.005	O					0.00
283.833	0.00	0.00	0.005	O					0.00
283.917	0.00	0.00	0.005	O					0.00
284.000	0.00	0.00	0.005	O					0.00
284.083	0.00	0.00	0.005	O					0.00
284.167	0.00	0.00	0.005	O					0.00
284.250	0.00	0.00	0.005	O					0.00
284.333	0.00	0.00	0.005	O					0.00
284.417	0.00	0.00	0.005	O					0.00
284.500	0.00	0.00	0.005	O					0.00
284.583	0.00	0.00	0.005	O					0.00
284.667	0.00	0.00	0.005	O					0.00
284.750	0.00	0.00	0.005	O					0.00
284.833	0.00	0.00	0.005	O					0.00

284.917	0.00	0.00	0.005	O				0.00
285.000	0.00	0.00	0.005	O				0.00
285.083	0.00	0.00	0.005	O				0.00
285.167	0.00	0.00	0.005	O				0.00
285.250	0.00	0.00	0.005	O				0.00
285.333	0.00	0.00	0.005	O				0.00
285.417	0.00	0.00	0.005	O				0.00
285.500	0.00	0.00	0.005	O				0.00
285.583	0.00	0.00	0.005	O				0.00
285.667	0.00	0.00	0.005	O				0.00
285.750	0.00	0.00	0.005	O				0.00
285.833	0.00	0.00	0.005	O				0.00
285.917	0.00	0.00	0.005	O				0.00
286.000	0.00	0.00	0.005	O				0.00
286.083	0.00	0.00	0.005	O				0.00
286.167	0.00	0.00	0.005	O				0.00
286.250	0.00	0.00	0.005	O				0.00
286.333	0.00	0.00	0.005	O				0.00
286.417	0.00	0.00	0.005	O				0.00
286.500	0.00	0.00	0.005	O				0.00
286.583	0.00	0.00	0.005	O				0.00
286.667	0.00	0.00	0.005	O				0.00
286.750	0.00	0.00	0.004	O				0.00
286.833	0.00	0.00	0.004	O				0.00
286.917	0.00	0.00	0.004	O				0.00
287.000	0.00	0.00	0.004	O				0.00
287.083	0.00	0.00	0.004	O				0.00
287.167	0.00	0.00	0.004	O				0.00
287.250	0.00	0.00	0.004	O				0.00
287.333	0.00	0.00	0.004	O				0.00
287.417	0.00	0.00	0.004	O				0.00
287.500	0.00	0.00	0.004	O				0.00
287.583	0.00	0.00	0.004	O				0.00
287.667	0.00	0.00	0.004	O				0.00
287.750	0.00	0.00	0.004	O				0.00
287.833	0.00	0.00	0.004	O				0.00
287.917	0.00	0.00	0.004	O				0.00
288.000	0.00	0.00	0.004	O				0.00
288.083	0.00	0.00	0.004	O				0.00
288.167	0.00	0.00	0.004	O				0.00
288.250	0.00	0.00	0.004	O				0.00
288.333	0.00	0.00	0.004	O				0.00
288.417	0.00	0.00	0.004	O				0.00
288.500	0.00	0.00	0.004	O				0.00
288.583	0.00	0.00	0.004	O				0.00
288.667	0.00	0.00	0.004	O				0.00
288.750	0.00	0.00	0.004	O				0.00
288.833	0.00	0.00	0.004	O				0.00
288.917	0.00	0.00	0.004	O				0.00
289.000	0.00	0.00	0.004	O				0.00
289.083	0.00	0.00	0.004	O				0.00
289.167	0.00	0.00	0.004	O				0.00
289.250	0.00	0.00	0.004	O				0.00
289.333	0.00	0.00	0.004	O				0.00
289.417	0.00	0.00	0.004	O				0.00
289.500	0.00	0.00	0.004	O				0.00
289.583	0.00	0.00	0.004	O				0.00
289.667	0.00	0.00	0.004	O				0.00
289.750	0.00	0.00	0.004	O				0.00
289.833	0.00	0.00	0.004	O				0.00
289.917	0.00	0.00	0.004	O				0.00
290.000	0.00	0.00	0.004	O				0.00
290.083	0.00	0.00	0.004	O				0.00
290.167	0.00	0.00	0.004	O				0.00
290.250	0.00	0.00	0.004	O				0.00
290.333	0.00	0.00	0.004	O				0.00
290.417	0.00	0.00	0.004	O				0.00

290.500	0.00	0.00	0.004	O					0.00
290.583	0.00	0.00	0.004	O					0.00
290.667	0.00	0.00	0.004	O					0.00
290.750	0.00	0.00	0.004	O					0.00
290.833	0.00	0.00	0.004	O					0.00
290.917	0.00	0.00	0.004	O					0.00
291.000	0.00	0.00	0.004	O					0.00
291.083	0.00	0.00	0.004	O					0.00
291.167	0.00	0.00	0.004	O					0.00
291.250	0.00	0.00	0.004	O					0.00
291.333	0.00	0.00	0.004	O					0.00
291.417	0.00	0.00	0.004	O					0.00
291.500	0.00	0.00	0.004	O					0.00
291.583	0.00	0.00	0.004	O					0.00
291.667	0.00	0.00	0.004	O					0.00
291.750	0.00	0.00	0.004	O					0.00
291.833	0.00	0.00	0.004	O					0.00
291.917	0.00	0.00	0.004	O					0.00
292.000	0.00	0.00	0.004	O					0.00
292.083	0.00	0.00	0.004	O					0.00
292.167	0.00	0.00	0.004	O					0.00
292.250	0.00	0.00	0.004	O					0.00
292.333	0.00	0.00	0.004	O					0.00
292.417	0.00	0.00	0.004	O					0.00
292.500	0.00	0.00	0.004	O					0.00
292.583	0.00	0.00	0.004	O					0.00
292.667	0.00	0.00	0.004	O					0.00
292.750	0.00	0.00	0.004	O					0.00
292.833	0.00	0.00	0.004	O					0.00
292.917	0.00	0.00	0.004	O					0.00
293.000	0.00	0.00	0.004	O					0.00
293.083	0.00	0.00	0.004	O					0.00
293.167	0.00	0.00	0.004	O					0.00
293.250	0.00	0.00	0.004	O					0.00
293.333	0.00	0.00	0.004	O					0.00
293.417	0.00	0.00	0.004	O					0.00
293.500	0.00	0.00	0.004	O					0.00
293.583	0.00	0.00	0.004	O					0.00
293.667	0.00	0.00	0.004	O					0.00
293.750	0.00	0.00	0.004	O					0.00
293.833	0.00	0.00	0.004	O					0.00
293.917	0.00	0.00	0.004	O					0.00
294.000	0.00	0.00	0.004	O					0.00
294.083	0.00	0.00	0.004	O					0.00
294.167	0.00	0.00	0.004	O					0.00
294.250	0.00	0.00	0.004	O					0.00
294.333	0.00	0.00	0.004	O					0.00
294.417	0.00	0.00	0.004	O					0.00
294.500	0.00	0.00	0.004	O					0.00
294.583	0.00	0.00	0.004	O					0.00
294.667	0.00	0.00	0.004	O					0.00
294.750	0.00	0.00	0.004	O					0.00
294.833	0.00	0.00	0.004	O					0.00
294.917	0.00	0.00	0.004	O					0.00
295.000	0.00	0.00	0.004	O					0.00
295.083	0.00	0.00	0.004	O					0.00
295.167	0.00	0.00	0.004	O					0.00
295.250	0.00	0.00	0.004	O					0.00
295.333	0.00	0.00	0.004	O					0.00
295.417	0.00	0.00	0.004	O					0.00
295.500	0.00	0.00	0.004	O					0.00
295.583	0.00	0.00	0.004	O					0.00
295.667	0.00	0.00	0.004	O					0.00
295.750	0.00	0.00	0.004	O					0.00
295.833	0.00	0.00	0.004	O					0.00
295.917	0.00	0.00	0.004	O					0.00
296.000	0.00	0.00	0.004	O					0.00

296.083	0.00	0.00	0.004	O	|	|	|	|	0.00
296.167	0.00	0.00	0.003	O	|	|	|	|	0.00
296.250	0.00	0.00	0.003	O	|	|	|	|	0.00
296.333	0.00	0.00	0.003	O	|	|	|	|	0.00
296.417	0.00	0.00	0.003	O	|	|	|	|	0.00
296.500	0.00	0.00	0.003	O	|	|	|	|	0.00
296.583	0.00	0.00	0.003	O	|	|	|	|	0.00
296.667	0.00	0.00	0.003	O	|	|	|	|	0.00
296.750	0.00	0.00	0.003	O	|	|	|	|	0.00
296.833	0.00	0.00	0.003	O	|	|	|	|	0.00
296.917	0.00	0.00	0.003	O	|	|	|	|	0.00
297.000	0.00	0.00	0.003	O	|	|	|	|	0.00
297.083	0.00	0.00	0.003	O	|	|	|	|	0.00
297.167	0.00	0.00	0.003	O	|	|	|	|	0.00
297.250	0.00	0.00	0.003	O	|	|	|	|	0.00
297.333	0.00	0.00	0.003	O	|	|	|	|	0.00
297.417	0.00	0.00	0.003	O	|	|	|	|	0.00
297.500	0.00	0.00	0.003	O	|	|	|	|	0.00
297.583	0.00	0.00	0.003	O	|	|	|	|	0.00
297.667	0.00	0.00	0.003	O	|	|	|	|	0.00
297.750	0.00	0.00	0.003	O	|	|	|	|	0.00
297.833	0.00	0.00	0.003	O	|	|	|	|	0.00
297.917	0.00	0.00	0.003	O	|	|	|	|	0.00
298.000	0.00	0.00	0.003	O	|	|	|	|	0.00
298.083	0.00	0.00	0.003	O	|	|	|	|	0.00
298.167	0.00	0.00	0.003	O	|	|	|	|	0.00
298.250	0.00	0.00	0.003	O	|	|	|	|	0.00
298.333	0.00	0.00	0.003	O	|	|	|	|	0.00
298.417	0.00	0.00	0.003	O	|	|	|	|	0.00
298.500	0.00	0.00	0.003	O	|	|	|	|	0.00
298.583	0.00	0.00	0.003	O	|	|	|	|	0.00
298.667	0.00	0.00	0.003	O	|	|	|	|	0.00
298.750	0.00	0.00	0.003	O	|	|	|	|	0.00
298.833	0.00	0.00	0.003	O	|	|	|	|	0.00
298.917	0.00	0.00	0.003	O	|	|	|	|	0.00
299.000	0.00	0.00	0.003	O	|	|	|	|	0.00
299.083	0.00	0.00	0.003	O	|	|	|	|	0.00
299.167	0.00	0.00	0.003	O	|	|	|	|	0.00
299.250	0.00	0.00	0.003	O	|	|	|	|	0.00
299.333	0.00	0.00	0.003	O	|	|	|	|	0.00
299.417	0.00	0.00	0.003	O	|	|	|	|	0.00
299.500	0.00	0.00	0.003	O	|	|	|	|	0.00
299.583	0.00	0.00	0.003	O	|	|	|	|	0.00
299.667	0.00	0.00	0.003	O	|	|	|	|	0.00
299.750	0.00	0.00	0.003	O	|	|	|	|	0.00
299.833	0.00	0.00	0.003	O	|	|	|	|	0.00
299.917	0.00	0.00	0.003	O	|	|	|	|	0.00
300.000	0.00	0.00	0.003	O	|	|	|	|	0.00
300.083	0.00	0.00	0.003	O	|	|	|	|	0.00
300.167	0.00	0.00	0.003	O	|	|	|	|	0.00
300.250	0.00	0.00	0.003	O	|	|	|	|	0.00
300.333	0.00	0.00	0.003	O	|	|	|	|	0.00
300.417	0.00	0.00	0.003	O	|	|	|	|	0.00
300.500	0.00	0.00	0.003	O	|	|	|	|	0.00
300.583	0.00	0.00	0.003	O	|	|	|	|	0.00
300.667	0.00	0.00	0.003	O	|	|	|	|	0.00
300.750	0.00	0.00	0.003	O	|	|	|	|	0.00
300.833	0.00	0.00	0.003	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 3610
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.425 (CFS)

```
             Total volume =       7.957 (Ac.Ft)
       Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
       Peak (CFS)      0.000     0.000     0.000     0.000     0.000
       Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
 ************************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRH610.rte

**********HYDROGRAPH DATA**********

Number of intervals = 79
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 85.381 (CFS)
Total volume = 11.616 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN H- ROUTING
10YR-6HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 79
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.450	0.470	1.448	1.452
2.000	3.000	0.710	2.998	3.002
3.000	4.660	1.690	4.654	4.666
4.000	6.440	2.170	6.433	6.447
5.000	8.330	2.560	8.321	8.339
6.000	10.330	2.890	10.320	10.340
7.000	12.460	3.190	12.449	12.471
8.000	14.710	3.460	14.698	14.722
9.000	17.150	83.630	16.862	17.438

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 21.3 42.69 64.04 85.38	Depth (Ft.)
0.083	1.60	0.00	0.006	O | | | |	0.00

```
0.167    5.90    0.01      0.031  O I     |       |       |       |     0.02
0.250    7.96    0.03      0.079  O I     |       |       |       |     0.05
0.333    8.79    0.04      0.136  O  I    |       |       |       |     0.09
0.417    9.22    0.06      0.198  O  I    |       |       |       |     0.14
0.500    9.82    0.09      0.263  O  I    |       |       |       |     0.18
0.583   10.78    0.11      0.333  O   I   |       |       |       |     0.23
0.667   11.18    0.13      0.408  O   I   |       |       |       |     0.28
0.750   11.32    0.16      0.485  O   I   |       |       |       |     0.33
0.833   11.38    0.18      0.562  O   I   |       |       |       |     0.39
0.917   11.42    0.21      0.639  O   I   |       |       |       |     0.44
1.000   11.77    0.23      0.717  O   I   |       |       |       |     0.49
1.083   12.59    0.26      0.799  O   I   |       |       |       |     0.55
1.167   12.84    0.29      0.885  O   I   |       |       |       |     0.61
1.250   12.96    0.31      0.972  O   I   |       |       |       |     0.67
1.333   13.02    0.34      1.059  O   I   |       |       |       |     0.73
1.417   13.06    0.37      1.146  O   I   |       |       |       |     0.79
1.500   13.09    0.40      1.234  O   I   |       |       |       |     0.85
1.583   13.11    0.43      1.321  O   I   |       |       |       |     0.91
1.667   13.11    0.46      1.408  O   I   |       |       |       |     0.97
1.750   13.11    0.48      1.495  O   I   |       |       |       |     1.03
1.833   13.11    0.49      1.582  O   I   |       |       |       |     1.09
1.917   13.11    0.50      1.669  O   I   |       |       |       |     1.14
2.000   13.43    0.52      1.757  O    I  |       |       |       |     1.20
2.083   13.91    0.53      1.848  O    I  |       |       |       |     1.26
2.167   13.69    0.55      1.939  O    I  |       |       |       |     1.32
2.250   14.34    0.56      2.032  O    I  |       |       |       |     1.38
2.333   14.54    0.57      2.127  O    I  |       |       |       |     1.44
2.417   14.64    0.59      2.224  O    I  |       |       |       |     1.50
2.500   14.68    0.60      2.320  O    I  |       |       |       |     1.56
2.583   14.72    0.62      2.418  O    I  |       |       |       |     1.62
2.667   14.73    0.63      2.515  O    I  |       |       |       |     1.69
2.750   15.07    0.65      2.613  O    I  |       |       |       |     1.75
2.833   15.87    0.67      2.715  O    I  |       |       |       |     1.82
2.917   16.12    0.68      2.820  O     I |       |       |       |     1.88
3.000   16.23    0.70      2.927  O     I |       |       |       |     1.95
3.083   16.30    0.73      3.034  O     I |       |       |       |     2.02
3.167   16.66    0.79      3.142  O     I |       |       |       |     2.09
3.250   17.48    0.86      3.254  O     I |       |       |       |     2.15
3.333   17.76    0.93      3.369  O     I |       |       |       |     2.22
3.417   18.19    1.00      3.487  O     I |       |       |       |     2.29
3.500   19.37    1.07      3.609  O      I|       |       |       |     2.37
3.583   20.78    1.15      3.739  O      I|       |       |       |     2.45
3.667   21.97    1.23      3.879  O       I       |       |       |     2.53
3.750   22.75    1.31      4.024  O       I       |       |       |     2.62
3.833   23.76    1.40      4.175  O       I       |       |       |     2.71
3.917   24.47    1.50      4.331  O       |I      |       |       |     2.80
4.000   25.47    1.59      4.492  O       |I      |       |       |     2.90
4.083   26.16    1.69      4.659  O       |I      |       |       |     3.00
4.167   27.45    1.74      4.831  O       | I     |       |       |     3.10
4.250   28.91    1.79      5.013  O       | I     |       |       |     3.20
4.333   30.46    1.84      5.205  O       |  I    |       |       |     3.31
4.417   32.04    1.89      5.408  O       |   I   |       |       |     3.42
4.500   33.33    1.95      5.620  O       |   I   |       |       |     3.54
4.583   34.15    2.01      5.838  O       |   I   |       |       |     3.66
4.667   35.53    2.07      6.064  O       |    I  |       |       |     3.79
4.750   37.06    2.13      6.300  O       |    I  |       |       |     3.92
4.833   38.31    2.19      6.544  O       |     I |       |       |     4.06
4.917   39.11    2.24      6.796  O       |     I |       |       |     4.19
5.000   40.47    2.30      7.054  O       |      I|       |       |     4.32
5.083   43.72    2.35      7.328  O       |       I       |       |     4.47
5.167   51.41    2.42      7.639  O       |        |  I    |       |     4.63
5.250   59.76    2.49      8.005  O       |        |     I |       |     4.83
5.333   66.69    2.58      8.423  O       |        |       I       |     5.05
5.417   74.17    2.65      8.890  O       |        |        |  I    |     5.28
5.500   85.38    2.74      9.421  |O      |        |        |      I|     5.55
5.583   82.75    2.83      9.981  |O      |        |        |      I|     5.83
5.667   47.23    2.90     10.409  |O      |        |I       |       |     6.04
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5.750	28.80	2.94	10.650	|O | I | | |				6.15
5.833	19.48	2.96	10.796	|O I| | |				6.22
5.917	13.91	2.97	10.891	|O I | | |				6.26
6.000	9.29	2.98	10.950	|O I | | |				6.29
6.083	5.73	**2.98**	**10.982**	**|OI | | | |**				**6.31**
6.167	2.10	2.98	10.988	IO | | | |				6.31
6.250	1.00	2.98	10.978	IO | | | |				6.30
6.333	0.52	2.98	10.963	IO | | | |				6.30
6.417	0.28	2.98	10.945	IO | | | |				6.29
6.500	0.12	2.97	10.926	IO | | | |				6.28
6.583	0.05	2.97	10.906	IO | | | |				6.27
6.667	0.00	2.97	10.886	IO | | | |				6.26
6.750	0.00	2.97	10.865	IO | | | |				6.25
6.833	0.00	2.96	10.845	IO | | | |				6.24
6.917	0.00	2.96	10.825	IO | | | |				6.23
7.000	0.00	2.96	10.804	IO | | | |				6.22
7.083	0.00	2.95	10.784	IO | | | |				6.21
7.167	0.00	2.95	10.764	IO | | | |				6.20
7.250	0.00	2.95	10.743	IO | | | |				6.19
7.333	0.00	2.95	10.723	IO | | | |				6.18
7.417	0.00	2.94	10.703	IO | | | |				6.17
7.500	0.00	2.94	10.682	IO | | | |				6.17
7.583	0.00	2.94	10.662	IO | | | |				6.16
7.667	0.00	2.93	10.642	IO | | | |				6.15
7.750	0.00	2.93	10.622	IO | | | |				6.14
7.833	0.00	2.93	10.602	IO | | | |				6.13
7.917	0.00	2.93	10.581	IO | | | |				6.12
8.000	0.00	2.92	10.561	IO | | | |				6.11
8.083	0.00	2.92	10.541	IO | | | |				6.10
8.167	0.00	2.92	10.521	IO | | | |				6.09
8.250	0.00	2.91	10.501	IO | | | |				6.08
8.333	0.00	2.91	10.481	IO | | | |				6.07
8.417	0.00	2.91	10.461	IO | | | |				6.06
8.500	0.00	2.91	10.441	IO | | | |				6.05
8.583	0.00	2.90	10.421	IO | | | |				6.04
8.667	0.00	2.90	10.401	IO | | | |				6.03
8.750	0.00	2.90	10.381	IO | | | |				6.02
8.833	0.00	2.89	10.361	IO | | | |				6.01
8.917	0.00	2.89	10.341	IO | | | |				6.01
9.000	0.00	2.89	10.321	IO | | | |				6.00
9.083	0.00	2.89	10.301	IO | | | |				5.99
9.167	0.00	2.88	10.281	IO | | | |				5.98
9.250	0.00	2.88	10.262	IO | | | |				5.97
9.333	0.00	2.88	10.242	IO | | | |				5.96
9.417	0.00	2.87	10.222	IO | | | |				5.95
9.500	0.00	2.87	10.202	IO | | | |				5.94
9.583	0.00	2.87	10.182	IO | | | |				5.93
9.667	0.00	2.86	10.163	IO | | | |				5.92
9.750	0.00	2.86	10.143	IO | | | |				5.91
9.833	0.00	2.86	10.123	IO | | | |				5.90
9.917	0.00	2.85	10.104	IO | | | |				5.89
10.000	0.00	2.85	10.084	IO | | | |				5.88
10.083	0.00	2.85	10.064	IO | | | |				5.87
10.167	0.00	2.84	10.045	IO | | | |				5.86
10.250	0.00	2.84	10.025	IO | | | |				5.85
10.333	0.00	2.84	10.006	IO | | | |				5.84
10.417	0.00	2.83	9.986	IO | | | |				5.83
10.500	0.00	2.83	9.967	IO | | | |				5.82
10.583	0.00	2.83	9.947	IO | | | |				5.81
10.667	0.00	2.82	9.928	IO | | | |				5.80
10.750	0.00	2.82	9.908	IO | | | |				5.79
10.833	0.00	2.82	9.889	IO | | | |				5.78
10.917	0.00	2.81	9.870	IO | | | |				5.77
11.000	0.00	2.81	9.850	IO | | | |				5.76
11.083	0.00	2.81	9.831	IO | | | |				5.75
11.167	0.00	2.80	9.811	IO | | | |				5.74
11.250	0.00	2.80	9.792	IO | | | |				5.73

11.333	0.00	2.80	9.773	IO				5.72
11.417	0.00	2.79	9.754	IO				5.71
11.500	0.00	2.79	9.734	IO				5.70
11.583	0.00	2.79	9.715	IO				5.69
11.667	0.00	2.79	9.696	IO				5.68
11.750	0.00	2.78	9.677	IO				5.67
11.833	0.00	2.78	9.658	IO				5.66
11.917	0.00	2.78	9.639	IO				5.65
12.000	0.00	2.77	9.619	IO				5.64
12.083	0.00	2.77	9.600	IO				5.64
12.167	0.00	2.77	9.581	IO				5.63
12.250	0.00	2.76	9.562	IO				5.62
12.333	0.00	2.76	9.543	IO				5.61
12.417	0.00	2.76	9.524	IO				5.60
12.500	0.00	2.75	9.505	IO				5.59
12.583	0.00	2.75	9.486	IO				5.58
12.667	0.00	2.75	9.467	IO				5.57
12.750	0.00	2.74	9.448	IO				5.56
12.833	0.00	2.74	9.430	IO				5.55
12.917	0.00	2.74	9.411	IO				5.54
13.000	0.00	2.74	9.392	IO				5.53
13.083	0.00	2.73	9.373	IO				5.52
13.167	0.00	2.73	9.354	IO				5.51
13.250	0.00	2.73	9.335	IO				5.50
13.333	0.00	2.72	9.317	IO				5.49
13.417	0.00	2.72	9.298	IO				5.48
13.500	0.00	2.72	9.279	IO				5.47
13.583	0.00	2.71	9.260	IO				5.47
13.667	0.00	2.71	9.242	IO				5.46
13.750	0.00	2.71	9.223	IO				5.45
13.833	0.00	2.70	9.205	IO				5.44
13.917	0.00	2.70	9.186	IO				5.43
14.000	0.00	2.70	9.167	IO				5.42
14.083	0.00	2.70	9.149	IO				5.41
14.167	0.00	2.69	9.130	IO				5.40
14.250	0.00	2.69	9.112	IO				5.39
14.333	0.00	2.69	9.093	IO				5.38
14.417	0.00	2.68	9.075	IO				5.37
14.500	0.00	2.68	9.056	IO				5.36
14.583	0.00	2.68	9.038	IO				5.35
14.667	0.00	2.67	9.019	IO				5.34
14.750	0.00	2.67	9.001	IO				5.34
14.833	0.00	2.67	8.983	O				5.33
14.917	0.00	2.66	8.964	O				5.32
15.000	0.00	2.66	8.946	O				5.31
15.083	0.00	2.66	8.928	O				5.30
15.167	0.00	2.66	8.909	O				5.29
15.250	0.00	2.65	8.891	O				5.28
15.333	0.00	2.65	8.873	O				5.27
15.417	0.00	2.65	8.854	O				5.26
15.500	0.00	2.64	8.836	O				5.25
15.583	0.00	2.64	8.818	O				5.24
15.667	0.00	2.64	8.800	O				5.23
15.750	0.00	2.63	8.782	O				5.23
15.833	0.00	2.63	8.764	O				5.22
15.917	0.00	2.63	8.745	O				5.21
16.000	0.00	2.63	8.727	O				5.20
16.083	0.00	2.62	8.709	O				5.19
16.167	0.00	2.62	8.691	O				5.18
16.250	0.00	2.62	8.673	O				5.17
16.333	0.00	2.61	8.655	O				5.16
16.417	0.00	2.61	8.637	O				5.15
16.500	0.00	2.61	8.619	O				5.14
16.583	0.00	2.60	8.601	O				5.14
16.667	0.00	2.60	8.583	O				5.13
16.750	0.00	2.60	8.565	O				5.12
16.833	0.00	2.60	8.548	O				5.11

16.917	0.00	2.59	8.530	O				5.10
17.000	0.00	2.59	8.512	O				5.09
17.083	0.00	2.59	8.494	O				5.08
17.167	0.00	2.58	8.476	O				5.07
17.250	0.00	2.58	8.458	O				5.06
17.333	0.00	2.58	8.441	O				5.06
17.417	0.00	2.58	8.423	O				5.05
17.500	0.00	2.57	8.405	O				5.04
17.583	0.00	2.57	8.387	O				5.03
17.667	0.00	2.57	8.370	O				5.02
17.750	0.00	2.56	8.352	O				5.01
17.833	0.00	2.56	8.334	O				5.00
17.917	0.00	2.56	8.317	O				4.99
18.000	0.00	2.55	8.299	O				4.98
18.083	0.00	2.55	8.282	O				4.97
18.167	0.00	2.55	8.264	O				4.97
18.250	0.00	2.54	8.247	O				4.96
18.333	0.00	2.54	8.229	O				4.95
18.417	0.00	2.54	8.212	O				4.94
18.500	0.00	2.53	8.194	O				4.93
18.583	0.00	2.53	8.177	O				4.92
18.667	0.00	2.52	8.159	O				4.91
18.750	0.00	2.52	8.142	O				4.90
18.833	0.00	2.52	8.125	O				4.89
18.917	0.00	2.51	8.107	O				4.88
19.000	0.00	2.51	8.090	O				4.87
19.083	0.00	2.51	8.073	O				4.86
19.167	0.00	2.50	8.055	O				4.85
19.250	0.00	2.50	8.038	O				4.85
19.333	0.00	2.50	8.021	O				4.84
19.417	0.00	2.49	8.004	O				4.83
19.500	0.00	2.49	7.987	O				4.82
19.583	0.00	2.49	7.970	O				4.81
19.667	0.00	2.48	7.952	O				4.80
19.750	0.00	2.48	7.935	O				4.79
19.833	0.00	2.48	7.918	O				4.78
19.917	0.00	2.47	7.901	O				4.77
20.000	0.00	2.47	7.884	O				4.76
20.083	0.00	2.46	7.867	O				4.76
20.167	0.00	2.46	7.850	O				4.75
20.250	0.00	2.46	7.833	O				4.74
20.333	0.00	2.45	7.816	O				4.73
20.417	0.00	2.45	7.800	O				4.72
20.500	0.00	2.45	7.783	O				4.71
20.583	0.00	2.44	7.766	O				4.70
20.667	0.00	2.44	7.749	O				4.69
20.750	0.00	2.44	7.732	O				4.68
20.833	0.00	2.43	7.715	O				4.67
20.917	0.00	2.43	7.699	O				4.67
21.000	0.00	2.43	7.682	O				4.66
21.083	0.00	2.42	7.665	O				4.65
21.167	0.00	2.42	7.649	O				4.64
21.250	0.00	2.42	7.632	O				4.63
21.333	0.00	2.41	7.615	O				4.62
21.417	0.00	2.41	7.599	O				4.61
21.500	0.00	2.41	7.582	O				4.60
21.583	0.00	2.40	7.566	O				4.60
21.667	0.00	2.40	7.549	O				4.59
21.750	0.00	2.40	7.533	O				4.58
21.833	0.00	2.39	7.516	O				4.57
21.917	0.00	2.39	7.500	O				4.56
22.000	0.00	2.39	7.483	O				4.55
22.083	0.00	2.38	7.467	O				4.54
22.167	0.00	2.38	7.450	O				4.53
22.250	0.00	2.38	7.434	O				4.53
22.333	0.00	2.37	7.418	O				4.52
22.417	0.00	2.37	7.401	O				4.51

22.500	0.00	2.37	7.385	O	|	|	|	|	4.50
22.583	0.00	2.36	7.369	O	|	|	|	|	4.49
22.667	0.00	2.36	7.353	O	|	|	|	|	4.48
22.750	0.00	2.35	7.336	O	|	|	|	|	4.47
22.833	0.00	2.35	7.320	O	|	|	|	|	4.47
22.917	0.00	2.35	7.304	O	|	|	|	|	4.46
23.000	0.00	2.34	7.288	O	|	|	|	|	4.45
23.083	0.00	2.34	7.272	O	|	|	|	|	4.44
23.167	0.00	2.34	7.255	O	|	|	|	|	4.43
23.250	0.00	2.33	7.239	O	|	|	|	|	4.42
23.333	0.00	2.33	7.223	O	|	|	|	|	4.41
23.417	0.00	2.33	7.207	O	|	|	|	|	4.41
23.500	0.00	2.33	7.191	O	|	|	|	|	4.40
23.583	0.00	2.32	7.175	O	|	|	|	|	4.39
23.667	0.00	2.32	7.159	O	|	|	|	|	4.38
23.750	0.00	2.32	7.143	O	|	|	|	|	4.37
23.833	0.00	2.31	7.127	O	|	|	|	|	4.36
23.917	0.00	2.31	7.111	O	|	|	|	|	4.36
24.000	0.00	2.31	7.096	O	|	|	|	|	4.35
24.083	0.00	2.30	7.080	O	|	|	|	|	4.34
24.167	0.00	2.30	7.064	O	|	|	|	|	4.33
24.250	0.00	2.30	7.048	O	|	|	|	|	4.32
24.333	0.00	2.29	7.032	O	|	|	|	|	4.31
24.417	0.00	2.29	7.016	O	|	|	|	|	4.31
24.500	0.00	2.29	7.001	O	|	|	|	|	4.30
24.583	0.00	2.28	6.985	O	|	|	|	|	4.29
24.667	0.00	2.28	6.969	O	|	|	|	|	4.28
24.750	0.00	2.28	6.954	O	|	|	|	|	4.27
24.833	0.00	2.27	6.938	O	|	|	|	|	4.26
24.917	0.00	2.27	6.922	O	|	|	|	|	4.26
25.000	0.00	2.27	6.907	O	|	|	|	|	4.25
25.083	0.00	2.26	6.891	O	|	|	|	|	4.24
25.167	0.00	2.26	6.876	O	|	|	|	|	4.23
25.250	0.00	2.26	6.860	O	|	|	|	|	4.22
25.333	0.00	2.25	6.844	O	|	|	|	|	4.21
25.417	0.00	2.25	6.829	O	|	|	|	|	4.21
25.500	0.00	2.25	6.813	O	|	|	|	|	4.20
25.583	0.00	2.24	6.798	O	|	|	|	|	4.19
25.667	0.00	2.24	6.783	O	|	|	|	|	4.18
25.750	0.00	2.24	6.767	O	|	|	|	|	4.17
25.833	0.00	2.23	6.752	O	|	|	|	|	4.16
25.917	0.00	2.23	6.736	O	|	|	|	|	4.16
26.000	0.00	2.23	6.721	O	|	|	|	|	4.15
26.083	0.00	2.22	6.706	O	|	|	|	|	4.14
26.167	0.00	2.22	6.690	O	|	|	|	|	4.13
26.250	0.00	2.22	6.675	O	|	|	|	|	4.12
26.333	0.00	2.22	6.660	O	|	|	|	|	4.12
26.417	0.00	2.21	6.645	O	|	|	|	|	4.11
26.500	0.00	2.21	6.629	O	|	|	|	|	4.10
26.583	0.00	2.21	6.614	O	|	|	|	|	4.09
26.667	0.00	2.20	6.599	O	|	|	|	|	4.08
26.750	0.00	2.20	6.584	O	|	|	|	|	4.08
26.833	0.00	2.20	6.569	O	|	|	|	|	4.07
26.917	0.00	2.19	6.554	O	|	|	|	|	4.06
27.000	0.00	2.19	6.538	O	|	|	|	|	4.05
27.083	0.00	2.19	6.523	O	|	|	|	|	4.04
27.167	0.00	2.18	6.508	O	|	|	|	|	4.04
27.250	0.00	2.18	6.493	O	|	|	|	|	4.03
27.333	0.00	2.18	6.478	O	|	|	|	|	4.02
27.417	0.00	2.17	6.463	O	|	|	|	|	4.01
27.500	0.00	2.17	6.448	O	|	|	|	|	4.00
27.583	0.00	2.17	6.433	O	|	|	|	|	4.00
27.667	0.00	2.16	6.418	O	|	|	|	|	3.99
27.750	0.00	2.16	6.404	O	|	|	|	|	3.98
27.833	0.00	2.16	6.389	O	|	|	|	|	3.97
27.917	0.00	2.15	6.374	O	|	|	|	|	3.96
28.000	0.00	2.15	6.359	O	|	|	|	|	3.95

28.083	0.00	2.14	6.344	O	|	|	|	|	3.95
28.167	0.00	2.14	6.329	O	|	|	|	|	3.94
28.250	0.00	2.14	6.315	O	|	|	|	|	3.93
28.333	0.00	2.13	6.300	O	|	|	|	|	3.92
28.417	0.00	2.13	6.285	O	|	|	|	|	3.91
28.500	0.00	2.12	6.271	O	|	|	|	|	3.90
28.583	0.00	2.12	6.256	O	|	|	|	|	3.90
28.667	0.00	2.12	6.242	O	|	|	|	|	3.89
28.750	0.00	2.11	6.227	O	|	|	|	|	3.88
28.833	0.00	2.11	6.212	O	|	|	|	|	3.87
28.917	0.00	2.10	6.198	O	|	|	|	|	3.86
29.000	0.00	2.10	6.183	O	|	|	|	|	3.86
29.083	0.00	2.10	6.169	O	|	|	|	|	3.85
29.167	0.00	2.09	6.155	O	|	|	|	|	3.84
29.250	0.00	2.09	6.140	O	|	|	|	|	3.83
29.333	0.00	2.09	6.126	O	|	|	|	|	3.82
29.417	0.00	2.08	6.111	O	|	|	|	|	3.82
29.500	0.00	2.08	6.097	O	|	|	|	|	3.81
29.583	0.00	2.07	6.083	O	|	|	|	|	3.80
29.667	0.00	2.07	6.069	O	|	|	|	|	3.79
29.750	0.00	2.07	6.054	O	|	|	|	|	3.78
29.833	0.00	2.06	6.040	O	|	|	|	|	3.78
29.917	0.00	2.06	6.026	O	|	|	|	|	3.77
30.000	0.00	2.05	6.012	O	|	|	|	|	3.76
30.083	0.00	2.05	5.998	O	|	|	|	|	3.75
30.167	0.00	2.05	5.984	O	|	|	|	|	3.74
30.250	0.00	2.04	5.969	O	|	|	|	|	3.74
30.333	0.00	2.04	5.955	O	|	|	|	|	3.73
30.417	0.00	2.04	5.941	O	|	|	|	|	3.72
30.500	0.00	2.03	5.927	O	|	|	|	|	3.71
30.583	0.00	2.03	5.913	O	|	|	|	|	3.70
30.667	0.00	2.02	5.899	O	|	|	|	|	3.70
30.750	0.00	2.02	5.885	O	|	|	|	|	3.69
30.833	0.00	2.02	5.872	O	|	|	|	|	3.68
30.917	0.00	2.01	5.858	O	|	|	|	|	3.67
31.000	0.00	2.01	5.844	O	|	|	|	|	3.67
31.083	0.00	2.01	5.830	O	|	|	|	|	3.66
31.167	0.00	2.00	5.816	O	|	|	|	|	3.65
31.250	0.00	2.00	5.802	O	|	|	|	|	3.64
31.333	0.00	1.99	5.789	O	|	|	|	|	3.63
31.417	0.00	1.99	5.775	O	|	|	|	|	3.63
31.500	0.00	1.99	5.761	O	|	|	|	|	3.62
31.583	0.00	1.98	5.748	O	|	|	|	|	3.61
31.667	0.00	1.98	5.734	O	|	|	|	|	3.60
31.750	0.00	1.98	5.720	O	|	|	|	|	3.60
31.833	0.00	1.97	5.707	O	|	|	|	|	3.59
31.917	0.00	1.97	5.693	O	|	|	|	|	3.58
32.000	0.00	1.96	5.680	O	|	|	|	|	3.57
32.083	0.00	1.96	5.666	O	|	|	|	|	3.57
32.167	0.00	1.96	5.653	O	|	|	|	|	3.56
32.250	0.00	1.95	5.639	O	|	|	|	|	3.55
32.333	0.00	1.95	5.626	O	|	|	|	|	3.54
32.417	0.00	1.95	5.612	O	|	|	|	|	3.53
32.500	0.00	1.94	5.599	O	|	|	|	|	3.53
32.583	0.00	1.94	5.586	O	|	|	|	|	3.52
32.667	0.00	1.94	5.572	O	|	|	|	|	3.51
32.750	0.00	1.93	5.559	O	|	|	|	|	3.50
32.833	0.00	1.93	5.546	O	|	|	|	|	3.50
32.917	0.00	1.93	5.532	O	|	|	|	|	3.49
33.000	0.00	1.92	5.519	O	|	|	|	|	3.48
33.083	0.00	1.92	5.506	O	|	|	|	|	3.48
33.167	0.00	1.91	5.493	O	|	|	|	|	3.47
33.250	0.00	1.91	5.479	O	|	|	|	|	3.46
33.333	0.00	1.91	5.466	O	|	|	|	|	3.45
33.417	0.00	1.90	5.453	O	|	|	|	|	3.45
33.500	0.00	1.90	5.440	O	|	|	|	|	3.44
33.583	0.00	1.90	5.427	O	|	|	|	|	3.43

33.667	0.00	1.89	5.414	O	|	|	|	|	3.42
33.750	0.00	1.89	5.401	O	|	|	|	|	3.42
33.833	0.00	1.89	5.388	O	|	|	|	|	3.41
33.917	0.00	1.88	5.375	O	|	|	|	|	3.40
34.000	0.00	1.88	5.362	O	|	|	|	|	3.39
34.083	0.00	1.88	5.349	O	|	|	|	|	3.39
34.167	0.00	1.87	5.336	O	|	|	|	|	3.38
34.250	0.00	1.87	5.323	O	|	|	|	|	3.37
34.333	0.00	1.87	5.310	O	|	|	|	|	3.37
34.417	0.00	1.86	5.298	O	|	|	|	|	3.36
34.500	0.00	1.86	5.285	O	|	|	|	|	3.35
34.583	0.00	1.86	5.272	O	|	|	|	|	3.34
34.667	0.00	1.85	5.259	O	|	|	|	|	3.34
34.750	0.00	1.85	5.246	O	|	|	|	|	3.33
34.833	0.00	1.84	5.234	O	|	|	|	|	3.32
34.917	0.00	1.84	5.221	O	|	|	|	|	3.32
35.000	0.00	1.84	5.208	O	|	|	|	|	3.31
35.083	0.00	1.83	5.196	O	|	|	|	|	3.30
35.167	0.00	1.83	5.183	O	|	|	|	|	3.29
35.250	0.00	1.83	5.171	O	|	|	|	|	3.29
35.333	0.00	1.82	5.158	O	|	|	|	|	3.28
35.417	0.00	1.82	5.145	O	|	|	|	|	3.27
35.500	0.00	1.82	5.133	O	|	|	|	|	3.27
35.583	0.00	1.81	5.120	O	|	|	|	|	3.26
35.667	0.00	1.81	5.108	O	|	|	|	|	3.25
35.750	0.00	1.81	5.095	O	|	|	|	|	3.24
35.833	0.00	1.80	5.083	O	|	|	|	|	3.24
35.917	0.00	1.80	5.071	O	|	|	|	|	3.23
36.000	0.00	1.80	5.058	O	|	|	|	|	3.22
36.083	0.00	1.79	5.046	O	|	|	|	|	3.22
36.167	0.00	1.79	5.033	O	|	|	|	|	3.21
36.250	0.00	1.79	5.021	O	|	|	|	|	3.20
36.333	0.00	1.78	5.009	O	|	|	|	|	3.20
36.417	0.00	1.78	4.997	O	|	|	|	|	3.19
36.500	0.00	1.78	4.984	O	|	|	|	|	3.18
36.583	0.00	1.77	4.972	O	|	|	|	|	3.18
36.667	0.00	1.77	4.960	O	|	|	|	|	3.17
36.750	0.00	1.77	4.948	O	|	|	|	|	3.16
36.833	0.00	1.76	4.936	O	|	|	|	|	3.15
36.917	0.00	1.76	4.923	O	|	|	|	|	3.15
37.000	0.00	1.76	4.911	O	|	|	|	|	3.14
37.083	0.00	1.75	4.899	O	|	|	|	|	3.13
37.167	0.00	1.75	4.887	O	|	|	|	|	3.13
37.250	0.00	1.75	4.875	O	|	|	|	|	3.12
37.333	0.00	1.74	4.863	O	|	|	|	|	3.11
37.417	0.00	1.74	4.851	O	|	|	|	|	3.11
37.500	0.00	1.74	4.839	O	|	|	|	|	3.10
37.583	0.00	1.74	4.827	O	|	|	|	|	3.09
37.667	0.00	1.73	4.815	O	|	|	|	|	3.09
37.750	0.00	1.73	4.803	O	|	|	|	|	3.08
37.833	0.00	1.73	4.791	O	|	|	|	|	3.07
37.917	0.00	1.72	4.779	O	|	|	|	|	3.07
38.000	0.00	1.72	4.768	O	|	|	|	|	3.06
38.083	0.00	1.72	4.756	O	|	|	|	|	3.05
38.167	0.00	1.71	4.744	O	|	|	|	|	3.05
38.250	0.00	1.71	4.732	O	|	|	|	|	3.04
38.333	0.00	1.71	4.720	O	|	|	|	|	3.03
38.417	0.00	1.70	4.709	O	|	|	|	|	3.03
38.500	0.00	1.70	4.697	O	|	|	|	|	3.02
38.583	0.00	1.70	4.685	O	|	|	|	|	3.01
38.667	0.00	1.69	4.674	O	|	|	|	|	3.01
38.750	0.00	1.69	4.662	O	|	|	|	|	3.00
38.833	0.00	1.68	4.650	O	|	|	|	|	2.99
38.917	0.00	1.68	4.639	O	|	|	|	|	2.99
39.000	0.00	1.67	4.627	O	|	|	|	|	2.98
39.083	0.00	1.66	4.616	O	|	|	|	|	2.97
39.167	0.00	1.66	4.604	O	|	|	|	|	2.97

39.250	0.00	1.65	4.593	O	|	|	|	|	2.96
39.333	0.00	1.64	4.582	O	|	|	|	|	2.95
39.417	0.00	1.64	4.570	O	|	|	|	|	2.95
39.500	0.00	1.63	4.559	O	|	|	|	|	2.94
39.583	0.00	1.62	4.548	O	|	|	|	|	2.93
39.667	0.00	1.62	4.537	O	|	|	|	|	2.93
39.750	0.00	1.61	4.526	O	|	|	|	|	2.92
39.833	0.00	1.60	4.514	O	|	|	|	|	2.91
39.917	0.00	1.60	4.503	O	|	|	|	|	2.91
40.000	0.00	1.59	4.492	O	|	|	|	|	2.90
40.083	0.00	1.58	4.482	O	|	|	|	|	2.89
40.167	0.00	1.58	4.471	O	|	|	|	|	2.89
40.250	0.00	1.57	4.460	O	|	|	|	|	2.88
40.333	0.00	1.57	4.449	O	|	|	|	|	2.87
40.417	0.00	1.56	4.438	O	|	|	|	|	2.87
40.500	0.00	1.55	4.428	O	|	|	|	|	2.86
40.583	0.00	1.55	4.417	O	|	|	|	|	2.85
40.667	0.00	1.54	4.406	O	|	|	|	|	2.85
40.750	0.00	1.53	4.396	O	|	|	|	|	2.84
40.833	0.00	1.53	4.385	O	|	|	|	|	2.83
40.917	0.00	1.52	4.375	O	|	|	|	|	2.83
41.000	0.00	1.52	4.364	O	|	|	|	|	2.82
41.083	0.00	1.51	4.354	O	|	|	|	|	2.82
41.167	0.00	1.50	4.343	O	|	|	|	|	2.81
41.250	0.00	1.50	4.333	O	|	|	|	|	2.80
41.333	0.00	1.49	4.323	O	|	|	|	|	2.80
41.417	0.00	1.48	4.312	O	|	|	|	|	2.79
41.500	0.00	1.48	4.302	O	|	|	|	|	2.78
41.583	0.00	1.47	4.292	O	|	|	|	|	2.78
41.667	0.00	1.47	4.282	O	|	|	|	|	2.77
41.750	0.00	1.46	4.272	O	|	|	|	|	2.77
41.833	0.00	1.45	4.262	O	|	|	|	|	2.76
41.917	0.00	1.45	4.252	O	|	|	|	|	2.75
42.000	0.00	1.44	4.242	O	|	|	|	|	2.75
42.083	0.00	1.44	4.232	O	|	|	|	|	2.74
42.167	0.00	1.43	4.222	O	|	|	|	|	2.74
42.250	0.00	1.43	4.212	O	|	|	|	|	2.73
42.333	0.00	1.42	4.202	O	|	|	|	|	2.72
42.417	0.00	1.41	4.193	O	|	|	|	|	2.72
42.500	0.00	1.41	4.183	O	|	|	|	|	2.71
42.583	0.00	1.40	4.173	O	|	|	|	|	2.71
42.667	0.00	1.40	4.164	O	|	|	|	|	2.70
42.750	0.00	1.39	4.154	O	|	|	|	|	2.70
42.833	0.00	1.39	4.144	O	|	|	|	|	2.69
42.917	0.00	1.38	4.135	O	|	|	|	|	2.68
43.000	0.00	1.37	4.125	O	|	|	|	|	2.68
43.083	0.00	1.37	4.116	O	|	|	|	|	2.67
43.167	0.00	1.36	4.107	O	|	|	|	|	2.67
43.250	0.00	1.36	4.097	O	|	|	|	|	2.66
43.333	0.00	1.35	4.088	O	|	|	|	|	2.66
43.417	0.00	1.35	4.079	O	|	|	|	|	2.65
43.500	0.00	1.34	4.069	O	|	|	|	|	2.64
43.583	0.00	1.34	4.060	O	|	|	|	|	2.64
43.667	0.00	1.33	4.051	O	|	|	|	|	2.63
43.750	0.00	1.33	4.042	O	|	|	|	|	2.63
43.833	0.00	1.32	4.033	O	|	|	|	|	2.62
43.917	0.00	1.31	4.024	O	|	|	|	|	2.62
44.000	0.00	1.31	4.015	O	|	|	|	|	2.61
44.083	0.00	1.30	4.006	O	|	|	|	|	2.61
44.167	0.00	1.30	3.997	O	|	|	|	|	2.60
44.250	0.00	1.29	3.988	O	|	|	|	|	2.60
44.333	0.00	1.29	3.979	O	|	|	|	|	2.59
44.417	0.00	1.28	3.970	O	|	|	|	|	2.58
44.500	0.00	1.28	3.961	O	|	|	|	|	2.58
44.583	0.00	1.27	3.952	O	|	|	|	|	2.57
44.667	0.00	1.27	3.944	O	|	|	|	|	2.57
44.750	0.00	1.26	3.935	O	|	|	|	|	2.56

44.833	0.00	1.26	3.926	O	|	|	|	|	2.56
44.917	0.00	1.25	3.918	O	|	|	|	|	2.55
45.000	0.00	1.25	3.909	O	|	|	|	|	2.55
45.083	0.00	1.24	3.900	O	|	|	|	|	2.54
45.167	0.00	1.24	3.892	O	|	|	|	|	2.54
45.250	0.00	1.23	3.883	O	|	|	|	|	2.53
45.333	0.00	1.23	3.875	O	|	|	|	|	2.53
45.417	0.00	1.22	3.867	O	|	|	|	|	2.52
45.500	0.00	1.22	3.858	O	|	|	|	|	2.52
45.583	0.00	1.21	3.850	O	|	|	|	|	2.51
45.667	0.00	1.21	3.841	O	|	|	|	|	2.51
45.750	0.00	1.20	3.833	O	|	|	|	|	2.50
45.833	0.00	1.20	3.825	O	|	|	|	|	2.50
45.917	0.00	1.19	3.817	O	|	|	|	|	2.49
46.000	0.00	1.19	3.808	O	|	|	|	|	2.49
46.083	0.00	1.18	3.800	O	|	|	|	|	2.48
46.167	0.00	1.18	3.792	O	|	|	|	|	2.48
46.250	0.00	1.17	3.784	O	|	|	|	|	2.47
46.333	0.00	1.17	3.776	O	|	|	|	|	2.47
46.417	0.00	1.16	3.768	O	|	|	|	|	2.46
46.500	0.00	1.16	3.760	O	|	|	|	|	2.46
46.583	0.00	1.15	3.752	O	|	|	|	|	2.45
46.667	0.00	1.15	3.744	O	|	|	|	|	2.45
46.750	0.00	1.14	3.736	O	|	|	|	|	2.44
46.833	0.00	1.14	3.728	O	|	|	|	|	2.44
46.917	0.00	1.14	3.721	O	|	|	|	|	2.43
47.000	0.00	1.13	3.713	O	|	|	|	|	2.43
47.083	0.00	1.13	3.705	O	|	|	|	|	2.42
47.167	0.00	1.12	3.697	O	|	|	|	|	2.42
47.250	0.00	1.12	3.689	O	|	|	|	|	2.42
47.333	0.00	1.11	3.682	O	|	|	|	|	2.41
47.417	0.00	1.11	3.674	O	|	|	|	|	2.41
47.500	0.00	1.10	3.667	O	|	|	|	|	2.40
47.583	0.00	1.10	3.659	O	|	|	|	|	2.40
47.667	0.00	1.09	3.651	O	|	|	|	|	2.39
47.750	0.00	1.09	3.644	O	|	|	|	|	2.39
47.833	0.00	1.09	3.636	O	|	|	|	|	2.38
47.917	0.00	1.08	3.629	O	|	|	|	|	2.38
48.000	0.00	1.08	3.622	O	|	|	|	|	2.37
48.083	0.00	1.07	3.614	O	|	|	|	|	2.37
48.167	0.00	1.07	3.607	O	|	|	|	|	2.37
48.250	0.00	1.06	3.599	O	|	|	|	|	2.36
48.333	0.00	1.06	3.592	O	|	|	|	|	2.36
48.417	0.00	1.06	3.585	O	|	|	|	|	2.35
48.500	0.00	1.05	3.578	O	|	|	|	|	2.35
48.583	0.00	1.05	3.570	O	|	|	|	|	2.34
48.667	0.00	1.04	3.563	O	|	|	|	|	2.34
48.750	0.00	1.04	3.556	O	|	|	|	|	2.33
48.833	0.00	1.03	3.549	O	|	|	|	|	2.33
48.917	0.00	1.03	3.542	O	|	|	|	|	2.33
49.000	0.00	1.03	3.535	O	|	|	|	|	2.32
49.083	0.00	1.02	3.528	O	|	|	|	|	2.32
49.167	0.00	1.02	3.521	O	|	|	|	|	2.31
49.250	0.00	1.01	3.514	O	|	|	|	|	2.31
49.333	0.00	1.01	3.507	O	|	|	|	|	2.31
49.417	0.00	1.00	3.500	O	|	|	|	|	2.30
49.500	0.00	1.00	3.493	O	|	|	|	|	2.30
49.583	0.00	1.00	3.486	O	|	|	|	|	2.29
49.667	0.00	0.99	3.479	O	|	|	|	|	2.29
49.750	0.00	0.99	3.472	O	|	|	|	|	2.28
49.833	0.00	0.98	3.465	O	|	|	|	|	2.28
49.917	0.00	0.98	3.459	O	|	|	|	|	2.28
50.000	0.00	0.98	3.452	O	|	|	|	|	2.27
50.083	0.00	0.97	3.445	O	|	|	|	|	2.27
50.167	0.00	0.97	3.439	O	|	|	|	|	2.26
50.250	0.00	0.96	3.432	O	|	|	|	|	2.26
50.333	0.00	0.96	3.425	O	|	|	|	|	2.26

50.417	0.00	0.96	3.419	O	|	|	|	|	2.25
50.500	0.00	0.95	3.412	O	|	|	|	|	2.25
50.583	0.00	0.95	3.405	O	|	|	|	|	2.24
50.667	0.00	0.95	3.399	O	|	|	|	|	2.24
50.750	0.00	0.94	3.392	O	|	|	|	|	2.24
50.833	0.00	0.94	3.386	O	|	|	|	|	2.23
50.917	0.00	0.93	3.380	O	|	|	|	|	2.23
51.000	0.00	0.93	3.373	O	|	|	|	|	2.22
51.083	0.00	0.93	3.367	O	|	|	|	|	2.22
51.167	0.00	0.92	3.360	O	|	|	|	|	2.22
51.250	0.00	0.92	3.354	O	|	|	|	|	2.21
51.333	0.00	0.92	3.348	O	|	|	|	|	2.21
51.417	0.00	0.91	3.341	O	|	|	|	|	2.21
51.500	0.00	0.91	3.335	O	|	|	|	|	2.20
51.583	0.00	0.90	3.329	O	|	|	|	|	2.20
51.667	0.00	0.90	3.323	O	|	|	|	|	2.19
51.750	0.00	0.90	3.316	O	|	|	|	|	2.19
51.833	0.00	0.89	3.310	O	|	|	|	|	2.19
51.917	0.00	0.89	3.304	O	|	|	|	|	2.18
52.000	0.00	0.89	3.298	O	|	|	|	|	2.18
52.083	0.00	0.88	3.292	O	|	|	|	|	2.18
52.167	0.00	0.88	3.286	O	|	|	|	|	2.17
52.250	0.00	0.88	3.280	O	|	|	|	|	2.17
52.333	0.00	0.87	3.274	O	|	|	|	|	2.16
52.417	0.00	0.87	3.268	O	|	|	|	|	2.16
52.500	0.00	0.86	3.262	O	|	|	|	|	2.16
52.583	0.00	0.86	3.256	O	|	|	|	|	2.15
52.667	0.00	0.86	3.250	O	|	|	|	|	2.15
52.750	0.00	0.85	3.244	O	|	|	|	|	2.15
52.833	0.00	0.85	3.238	O	|	|	|	|	2.14
52.917	0.00	0.85	3.232	O	|	|	|	|	2.14
53.000	0.00	0.84	3.227	O	|	|	|	|	2.14
53.083	0.00	0.84	3.221	O	|	|	|	|	2.13
53.167	0.00	0.84	3.215	O	|	|	|	|	2.13
53.250	0.00	0.83	3.209	O	|	|	|	|	2.13
53.333	0.00	0.83	3.204	O	|	|	|	|	2.12
53.417	0.00	0.83	3.198	O	|	|	|	|	2.12
53.500	0.00	0.82	3.192	O	|	|	|	|	2.12
53.583	0.00	0.82	3.187	O	|	|	|	|	2.11
53.667	0.00	0.82	3.181	O	|	|	|	|	2.11
53.750	0.00	0.81	3.175	O	|	|	|	|	2.11
53.833	0.00	0.81	3.170	O	|	|	|	|	2.10
53.917	0.00	0.81	3.164	O	|	|	|	|	2.10
54.000	0.00	0.80	3.159	O	|	|	|	|	2.10
54.083	0.00	0.80	3.153	O	|	|	|	|	2.09
54.167	0.00	0.80	3.148	O	|	|	|	|	2.09
54.250	0.00	0.79	3.142	O	|	|	|	|	2.09
54.333	0.00	0.79	3.137	O	|	|	|	|	2.08
54.417	0.00	0.79	3.131	O	|	|	|	|	2.08
54.500	0.00	0.78	3.126	O	|	|	|	|	2.08
54.583	0.00	0.78	3.120	O	|	|	|	|	2.07
54.667	0.00	0.78	3.115	O	|	|	|	|	2.07
54.750	0.00	0.77	3.110	O	|	|	|	|	2.07
54.833	0.00	0.77	3.104	O	|	|	|	|	2.06
54.917	0.00	0.77	3.099	O	|	|	|	|	2.06
55.000	0.00	0.77	3.094	O	|	|	|	|	2.06
55.083	0.00	0.76	3.088	O	|	|	|	|	2.05
55.167	0.00	0.76	3.083	O	|	|	|	|	2.05
55.250	0.00	0.76	3.078	O	|	|	|	|	2.05
55.333	0.00	0.75	3.073	O	|	|	|	|	2.04
55.417	0.00	0.75	3.068	O	|	|	|	|	2.04
55.500	0.00	0.75	3.062	O	|	|	|	|	2.04
55.583	0.00	0.74	3.057	O	|	|	|	|	2.03
55.667	0.00	0.74	3.052	O	|	|	|	|	2.03
55.750	0.00	0.74	3.047	O	|	|	|	|	2.03
55.833	0.00	0.73	3.042	O	|	|	|	|	2.03
55.917	0.00	0.73	3.037	O	|	|	|	|	2.02

56.000	0.00	0.73	3.032	O	|	|	|	|	2.02
56.083	0.00	0.73	3.027	O	|	|	|	|	2.02
56.167	0.00	0.72	3.022	O	|	|	|	|	2.01
56.250	0.00	0.72	3.017	O	|	|	|	|	2.01
56.333	0.00	0.72	3.012	O	|	|	|	|	2.01
56.417	0.00	0.71	3.007	O	|	|	|	|	2.00
56.500	0.00	0.71	3.002	O	|	|	|	|	2.00
56.583	0.00	0.71	2.997	O	|	|	|	|	2.00
56.667	0.00	0.71	2.992	O	|	|	|	|	2.00
56.750	0.00	0.71	2.988	O	|	|	|	|	1.99
56.833	0.00	0.71	2.983	O	|	|	|	|	1.99
56.917	0.00	0.71	2.978	O	|	|	|	|	1.99
57.000	0.00	0.71	2.973	O	|	|	|	|	1.98
57.083	0.00	0.71	2.968	O	|	|	|	|	1.98
57.167	0.00	0.70	2.963	O	|	|	|	|	1.98
57.250	0.00	0.70	2.958	O	|	|	|	|	1.97
57.333	0.00	0.70	2.954	O	|	|	|	|	1.97
57.417	0.00	0.70	2.949	O	|	|	|	|	1.97
57.500	0.00	0.70	2.944	O	|	|	|	|	1.96
57.583	0.00	0.70	2.939	O	|	|	|	|	1.96
57.667	0.00	0.70	2.934	O	|	|	|	|	1.96
57.750	0.00	0.70	2.929	O	|	|	|	|	1.95
57.833	0.00	0.70	2.925	O	|	|	|	|	1.95
57.917	0.00	0.70	2.920	O	|	|	|	|	1.95
58.000	0.00	0.70	2.915	O	|	|	|	|	1.95
58.083	0.00	0.70	2.910	O	|	|	|	|	1.94
58.167	0.00	0.70	2.905	O	|	|	|	|	1.94
58.250	0.00	0.69	2.901	O	|	|	|	|	1.94
58.333	0.00	0.69	2.896	O	|	|	|	|	1.93
58.417	0.00	0.69	2.891	O	|	|	|	|	1.93
58.500	0.00	0.69	2.886	O	|	|	|	|	1.93
58.583	0.00	0.69	2.882	O	|	|	|	|	1.92
58.667	0.00	0.69	2.877	O	|	|	|	|	1.92
58.750	0.00	0.69	2.872	O	|	|	|	|	1.92
58.833	0.00	0.69	2.867	O	|	|	|	|	1.91
58.917	0.00	0.69	2.863	O	|	|	|	|	1.91
59.000	0.00	0.69	2.858	O	|	|	|	|	1.91
59.083	0.00	0.69	2.853	O	|	|	|	|	1.91
59.167	0.00	0.69	2.848	O	|	|	|	|	1.90
59.250	0.00	0.69	2.844	O	|	|	|	|	1.90
59.333	0.00	0.69	2.839	O	|	|	|	|	1.90
59.417	0.00	0.68	2.834	O	|	|	|	|	1.89
59.500	0.00	0.68	2.829	O	|	|	|	|	1.89
59.583	0.00	0.68	2.825	O	|	|	|	|	1.89
59.667	0.00	0.68	2.820	O	|	|	|	|	1.88
59.750	0.00	0.68	2.815	O	|	|	|	|	1.88
59.833	0.00	0.68	2.811	O	|	|	|	|	1.88
59.917	0.00	0.68	2.806	O	|	|	|	|	1.87
60.000	0.00	0.68	2.801	O	|	|	|	|	1.87
60.083	0.00	0.68	2.797	O	|	|	|	|	1.87
60.167	0.00	0.68	2.792	O	|	|	|	|	1.87
60.250	0.00	0.68	2.787	O	|	|	|	|	1.86
60.333	0.00	0.68	2.783	O	|	|	|	|	1.86
60.417	0.00	0.68	2.778	O	|	|	|	|	1.86
60.500	0.00	0.67	2.773	O	|	|	|	|	1.85
60.583	0.00	0.67	2.769	O	|	|	|	|	1.85
60.667	0.00	0.67	2.764	O	|	|	|	|	1.85
60.750	0.00	0.67	2.759	O	|	|	|	|	1.84
60.833	0.00	0.67	2.755	O	|	|	|	|	1.84
60.917	0.00	0.67	2.750	O	|	|	|	|	1.84
61.000	0.00	0.67	2.746	O	|	|	|	|	1.84
61.083	0.00	0.67	2.741	O	|	|	|	|	1.83
61.167	0.00	0.67	2.736	O	|	|	|	|	1.83
61.250	0.00	0.67	2.732	O	|	|	|	|	1.83
61.333	0.00	0.67	2.727	O	|	|	|	|	1.82
61.417	0.00	0.67	2.722	O	|	|	|	|	1.82
61.500	0.00	0.67	2.718	O	|	|	|	|	1.82

61.583	0.00	0.67	2.713	O	|	|	|	|	1.82
61.667	0.00	0.66	2.709	O	|	|	|	|	1.81
61.750	0.00	0.66	2.704	O	|	|	|	|	1.81
61.833	0.00	0.66	2.700	O	|	|	|	|	1.81
61.917	0.00	0.66	2.695	O	|	|	|	|	1.80
62.000	0.00	0.66	2.690	O	|	|	|	|	1.80
62.083	0.00	0.66	2.686	O	|	|	|	|	1.80
62.167	0.00	0.66	2.681	O	|	|	|	|	1.79
62.250	0.00	0.66	2.677	O	|	|	|	|	1.79
62.333	0.00	0.66	2.672	O	|	|	|	|	1.79
62.417	0.00	0.66	2.668	O	|	|	|	|	1.79
62.500	0.00	0.66	2.663	O	|	|	|	|	1.78
62.583	0.00	0.66	2.659	O	|	|	|	|	1.78
62.667	0.00	0.66	2.654	O	|	|	|	|	1.78
62.750	0.00	0.66	2.650	O	|	|	|	|	1.77
62.833	0.00	0.66	2.645	O	|	|	|	|	1.77
62.917	0.00	0.65	2.641	O	|	|	|	|	1.77
63.000	0.00	0.65	2.636	O	|	|	|	|	1.77
63.083	0.00	0.65	2.632	O	|	|	|	|	1.76
63.167	0.00	0.65	2.627	O	|	|	|	|	1.76
63.250	0.00	0.65	2.623	O	|	|	|	|	1.76
63.333	0.00	0.65	2.618	O	|	|	|	|	1.75
63.417	0.00	0.65	2.614	O	|	|	|	|	1.75
63.500	0.00	0.65	2.609	O	|	|	|	|	1.75
63.583	0.00	0.65	2.605	O	|	|	|	|	1.74
63.667	0.00	0.65	2.600	O	|	|	|	|	1.74
63.750	0.00	0.65	2.596	O	|	|	|	|	1.74
63.833	0.00	0.65	2.591	O	|	|	|	|	1.74
63.917	0.00	0.65	2.587	O	|	|	|	|	1.73
64.000	0.00	0.65	2.582	O	|	|	|	|	1.73
64.083	0.00	0.64	2.578	O	|	|	|	|	1.73
64.167	0.00	0.64	2.574	O	|	|	|	|	1.72
64.250	0.00	0.64	2.569	O	|	|	|	|	1.72
64.333	0.00	0.64	2.565	O	|	|	|	|	1.72
64.417	0.00	0.64	2.560	O	|	|	|	|	1.72
64.500	0.00	0.64	2.556	O	|	|	|	|	1.71
64.583	0.00	0.64	2.551	O	|	|	|	|	1.71
64.667	0.00	0.64	2.547	O	|	|	|	|	1.71
64.750	0.00	0.64	2.543	O	|	|	|	|	1.70
64.833	0.00	0.64	2.538	O	|	|	|	|	1.70
64.917	0.00	0.64	2.534	O	|	|	|	|	1.70
65.000	0.00	0.64	2.529	O	|	|	|	|	1.70
65.083	0.00	0.64	2.525	O	|	|	|	|	1.69
65.167	0.00	0.64	2.521	O	|	|	|	|	1.69
65.250	0.00	0.64	2.516	O	|	|	|	|	1.69
65.333	0.00	0.63	2.512	O	|	|	|	|	1.69
65.417	0.00	0.63	2.508	O	|	|	|	|	1.68
65.500	0.00	0.63	2.503	O	|	|	|	|	1.68
65.583	0.00	0.63	2.499	O	|	|	|	|	1.68
65.667	0.00	0.63	2.494	O	|	|	|	|	1.67
65.750	0.00	0.63	2.490	O	|	|	|	|	1.67
65.833	0.00	0.63	2.486	O	|	|	|	|	1.67
65.917	0.00	0.63	2.481	O	|	|	|	|	1.67
66.000	0.00	0.63	2.477	O	|	|	|	|	1.66
66.083	0.00	0.63	2.473	O	|	|	|	|	1.66
66.167	0.00	0.63	2.468	O	|	|	|	|	1.66
66.250	0.00	0.63	2.464	O	|	|	|	|	1.65
66.333	0.00	0.63	2.460	O	|	|	|	|	1.65
66.417	0.00	0.63	2.455	O	|	|	|	|	1.65
66.500	0.00	0.63	2.451	O	|	|	|	|	1.65
66.583	0.00	0.62	2.447	O	|	|	|	|	1.64
66.667	0.00	0.62	2.443	O	|	|	|	|	1.64
66.750	0.00	0.62	2.438	O	|	|	|	|	1.64
66.833	0.00	0.62	2.434	O	|	|	|	|	1.63
66.917	0.00	0.62	2.430	O	|	|	|	|	1.63
67.000	0.00	0.62	2.425	O	|	|	|	|	1.63
67.083	0.00	0.62	2.421	O	|	|	|	|	1.63

67.167	0.00	0.62	2.417	O	|	|	|	|	1.62
67.250	0.00	0.62	2.413	O	|	|	|	|	1.62
67.333	0.00	0.62	2.408	O	|	|	|	|	1.62
67.417	0.00	0.62	2.404	O	|	|	|	|	1.62
67.500	0.00	0.62	2.400	O	|	|	|	|	1.61
67.583	0.00	0.62	2.396	O	|	|	|	|	1.61
67.667	0.00	0.62	2.391	O	|	|	|	|	1.61
67.750	0.00	0.62	2.387	O	|	|	|	|	1.60
67.833	0.00	0.61	2.383	O	|	|	|	|	1.60
67.917	0.00	0.61	2.379	O	|	|	|	|	1.60
68.000	0.00	0.61	2.374	O	|	|	|	|	1.60
68.083	0.00	0.61	2.370	O	|	|	|	|	1.59
68.167	0.00	0.61	2.366	O	|	|	|	|	1.59
68.250	0.00	0.61	2.362	O	|	|	|	|	1.59
68.333	0.00	0.61	2.358	O	|	|	|	|	1.59
68.417	0.00	0.61	2.353	O	|	|	|	|	1.58
68.500	0.00	0.61	2.349	O	|	|	|	|	1.58
68.583	0.00	0.61	2.345	O	|	|	|	|	1.58
68.667	0.00	0.61	2.341	O	|	|	|	|	1.57
68.750	0.00	0.61	2.337	O	|	|	|	|	1.57
68.833	0.00	0.61	2.332	O	|	|	|	|	1.57
68.917	0.00	0.61	2.328	O	|	|	|	|	1.57
69.000	0.00	0.61	2.324	O	|	|	|	|	1.56
69.083	0.00	0.60	2.320	O	|	|	|	|	1.56
69.167	0.00	0.60	2.316	O	|	|	|	|	1.56
69.250	0.00	0.60	2.312	O	|	|	|	|	1.56
69.333	0.00	0.60	2.307	O	|	|	|	|	1.55
69.417	0.00	0.60	2.303	O	|	|	|	|	1.55
69.500	0.00	0.60	2.299	O	|	|	|	|	1.55
69.583	0.00	0.60	2.295	O	|	|	|	|	1.55
69.667	0.00	0.60	2.291	O	|	|	|	|	1.54
69.750	0.00	0.60	2.287	O	|	|	|	|	1.54
69.833	0.00	0.60	2.283	O	|	|	|	|	1.54
69.917	0.00	0.60	2.279	O	|	|	|	|	1.53
70.000	0.00	0.60	2.274	O	|	|	|	|	1.53
70.083	0.00	0.60	2.270	O	|	|	|	|	1.53
70.167	0.00	0.60	2.266	O	|	|	|	|	1.53
70.250	0.00	0.60	2.262	O	|	|	|	|	1.52
70.333	0.00	0.60	2.258	O	|	|	|	|	1.52
70.417	0.00	0.59	2.254	O	|	|	|	|	1.52
70.500	0.00	0.59	2.250	O	|	|	|	|	1.52
70.583	0.00	0.59	2.246	O	|	|	|	|	1.51
70.667	0.00	0.59	2.242	O	|	|	|	|	1.51
70.750	0.00	0.59	2.238	O	|	|	|	|	1.51
70.833	0.00	0.59	2.233	O	|	|	|	|	1.51
70.917	0.00	0.59	2.229	O	|	|	|	|	1.50
71.000	0.00	0.59	2.225	O	|	|	|	|	1.50
71.083	0.00	0.59	2.221	O	|	|	|	|	1.50
71.167	0.00	0.59	2.217	O	|	|	|	|	1.49
71.250	0.00	0.59	2.213	O	|	|	|	|	1.49
71.333	0.00	0.59	2.209	O	|	|	|	|	1.49
71.417	0.00	0.59	2.205	O	|	|	|	|	1.49
71.500	0.00	0.59	2.201	O	|	|	|	|	1.48
71.583	0.00	0.59	2.197	O	|	|	|	|	1.48
71.667	0.00	0.59	2.193	O	|	|	|	|	1.48
71.750	0.00	0.58	2.189	O	|	|	|	|	1.48
71.833	0.00	0.58	2.185	O	|	|	|	|	1.47
71.917	0.00	0.58	2.181	O	|	|	|	|	1.47
72.000	0.00	0.58	2.177	O	|	|	|	|	1.47
72.083	0.00	0.58	2.173	O	|	|	|	|	1.47
72.167	0.00	0.58	2.169	O	|	|	|	|	1.46
72.250	0.00	0.58	2.165	O	|	|	|	|	1.46
72.333	0.00	0.58	2.161	O	|	|	|	|	1.46
72.417	0.00	0.58	2.157	O	|	|	|	|	1.46
72.500	0.00	0.58	2.153	O	|	|	|	|	1.45
72.583	0.00	0.58	2.149	O	|	|	|	|	1.45
72.667	0.00	0.58	2.145	O	|	|	|	|	1.45

72.750	0.00	0.58	2.141	O					1.45
72.833	0.00	0.58	2.137	O					1.44
72.917	0.00	0.58	2.133	O					1.44
73.000	0.00	0.58	2.129	O					1.44
73.083	0.00	0.57	2.125	O					1.44
73.167	0.00	0.57	2.121	O					1.43
73.250	0.00	0.57	2.117	O					1.43
73.333	0.00	0.57	2.113	O					1.43
73.417	0.00	0.57	2.109	O					1.43
73.500	0.00	0.57	2.105	O					1.42
73.583	0.00	0.57	2.101	O					1.42
73.667	0.00	0.57	2.097	O					1.42
73.750	0.00	0.57	2.094	O					1.42
73.833	0.00	0.57	2.090	O					1.41
73.917	0.00	0.57	2.086	O					1.41
74.000	0.00	0.57	2.082	O					1.41
74.083	0.00	0.57	2.078	O					1.41
74.167	0.00	0.57	2.074	O					1.40
74.250	0.00	0.57	2.070	O					1.40
74.333	0.00	0.57	2.066	O					1.40
74.417	0.00	0.56	2.062	O					1.40
74.500	0.00	0.56	2.058	O					1.39
74.583	0.00	0.56	2.055	O					1.39
74.667	0.00	0.56	2.051	O					1.39
74.750	0.00	0.56	2.047	O					1.39
74.833	0.00	0.56	2.043	O					1.38
74.917	0.00	0.56	2.039	O					1.38
75.000	0.00	0.56	2.035	O					1.38
75.083	0.00	0.56	2.031	O					1.38
75.167	0.00	0.56	2.027	O					1.37
75.250	0.00	0.56	2.024	O					1.37
75.333	0.00	0.56	2.020	O					1.37
75.417	0.00	0.56	2.016	O					1.37
75.500	0.00	0.56	2.012	O					1.36
75.583	0.00	0.56	2.008	O					1.36
75.667	0.00	0.56	2.004	O					1.36
75.750	0.00	0.56	2.001	O					1.36
75.833	0.00	0.55	1.997	O					1.35
75.917	0.00	0.55	1.993	O					1.35
76.000	0.00	0.55	1.989	O					1.35
76.083	0.00	0.55	1.985	O					1.35
76.167	0.00	0.55	1.982	O					1.34
76.250	0.00	0.55	1.978	O					1.34
76.333	0.00	0.55	1.974	O					1.34
76.417	0.00	0.55	1.970	O					1.34
76.500	0.00	0.55	1.966	O					1.33
76.583	0.00	0.55	1.963	O					1.33
76.667	0.00	0.55	1.959	O					1.33
76.750	0.00	0.55	1.955	O					1.33
76.833	0.00	0.55	1.951	O					1.32
76.917	0.00	0.55	1.947	O					1.32
77.000	0.00	0.55	1.944	O					1.32
77.083	0.00	0.55	1.940	O					1.32
77.167	0.00	0.55	1.936	O					1.31
77.250	0.00	0.54	1.932	O					1.31
77.333	0.00	0.54	1.929	O					1.31
77.417	0.00	0.54	1.925	O					1.31
77.500	0.00	0.54	1.921	O					1.30
77.583	0.00	0.54	1.917	O					1.30
77.667	0.00	0.54	1.914	O					1.30
77.750	0.00	0.54	1.910	O					1.30
77.833	0.00	0.54	1.906	O					1.29
77.917	0.00	0.54	1.903	O					1.29
78.000	0.00	0.54	1.899	O					1.29
78.083	0.00	0.54	1.895	O					1.29
78.167	0.00	0.54	1.891	O					1.28
78.250	0.00	0.54	1.888	O					1.28

78.333	0.00	0.54	1.884	O	|	|	|	|	1.28
78.417	0.00	0.54	1.880	O	|	|	|	|	1.28
78.500	0.00	0.54	1.877	O	|	|	|	|	1.28
78.583	0.00	0.54	1.873	O	|	|	|	|	1.27
78.667	0.00	0.53	1.869	O	|	|	|	|	1.27
78.750	0.00	0.53	1.866	O	|	|	|	|	1.27
78.833	0.00	0.53	1.862	O	|	|	|	|	1.27
78.917	0.00	0.53	1.858	O	|	|	|	|	1.26
79.000	0.00	0.53	1.855	O	|	|	|	|	1.26
79.083	0.00	0.53	1.851	O	|	|	|	|	1.26
79.167	0.00	0.53	1.847	O	|	|	|	|	1.26
79.250	0.00	0.53	1.844	O	|	|	|	|	1.25
79.333	0.00	0.53	1.840	O	|	|	|	|	1.25
79.417	0.00	0.53	1.836	O	|	|	|	|	1.25
79.500	0.00	0.53	1.833	O	|	|	|	|	1.25
79.583	0.00	0.53	1.829	O	|	|	|	|	1.24
79.667	0.00	0.53	1.825	O	|	|	|	|	1.24
79.750	0.00	0.53	1.822	O	|	|	|	|	1.24
79.833	0.00	0.53	1.818	O	|	|	|	|	1.24
79.917	0.00	0.53	1.814	O	|	|	|	|	1.24
80.000	0.00	0.53	1.811	O	|	|	|	|	1.23
80.083	0.00	0.53	1.807	O	|	|	|	|	1.23
80.167	0.00	0.52	1.804	O	|	|	|	|	1.23
80.250	0.00	0.52	1.800	O	|	|	|	|	1.23
80.333	0.00	0.52	1.796	O	|	|	|	|	1.22
80.417	0.00	0.52	1.793	O	|	|	|	|	1.22
80.500	0.00	0.52	1.789	O	|	|	|	|	1.22
80.583	0.00	0.52	1.786	O	|	|	|	|	1.22
80.667	0.00	0.52	1.782	O	|	|	|	|	1.21
80.750	0.00	0.52	1.778	O	|	|	|	|	1.21
80.833	0.00	0.52	1.775	O	|	|	|	|	1.21
80.917	0.00	0.52	1.771	O	|	|	|	|	1.21
81.000	0.00	0.52	1.768	O	|	|	|	|	1.20
81.083	0.00	0.52	1.764	O	|	|	|	|	1.20
81.167	0.00	0.52	1.760	O	|	|	|	|	1.20
81.250	0.00	0.52	1.757	O	|	|	|	|	1.20
81.333	0.00	0.52	1.753	O	|	|	|	|	1.20
81.417	0.00	0.52	1.750	O	|	|	|	|	1.19
81.500	0.00	0.52	1.746	O	|	|	|	|	1.19
81.583	0.00	0.52	1.743	O	|	|	|	|	1.19
81.667	0.00	0.51	1.739	O	|	|	|	|	1.19
81.750	0.00	0.51	1.736	O	|	|	|	|	1.18
81.833	0.00	0.51	1.732	O	|	|	|	|	1.18
81.917	0.00	0.51	1.728	O	|	|	|	|	1.18
82.000	0.00	0.51	1.725	O	|	|	|	|	1.18
82.083	0.00	0.51	1.721	O	|	|	|	|	1.18
82.167	0.00	0.51	1.718	O	|	|	|	|	1.17
82.250	0.00	0.51	1.714	O	|	|	|	|	1.17
82.333	0.00	0.51	1.711	O	|	|	|	|	1.17
82.417	0.00	0.51	1.707	O	|	|	|	|	1.17
82.500	0.00	0.51	1.704	O	|	|	|	|	1.16
82.583	0.00	0.51	1.700	O	|	|	|	|	1.16
82.667	0.00	0.51	1.697	O	|	|	|	|	1.16
82.750	0.00	0.51	1.693	O	|	|	|	|	1.16
82.833	0.00	0.51	1.690	O	|	|	|	|	1.15
82.917	0.00	0.51	1.686	O	|	|	|	|	1.15
83.000	0.00	0.51	1.683	O	|	|	|	|	1.15
83.083	0.00	0.51	1.679	O	|	|	|	|	1.15
83.167	0.00	0.50	1.676	O	|	|	|	|	1.15
83.250	0.00	0.50	1.672	O	|	|	|	|	1.14
83.333	0.00	0.50	1.669	O	|	|	|	|	1.14
83.417	0.00	0.50	1.665	O	|	|	|	|	1.14
83.500	0.00	0.50	1.662	O	|	|	|	|	1.14
83.583	0.00	0.50	1.659	O	|	|	|	|	1.13
83.667	0.00	0.50	1.655	O	|	|	|	|	1.13
83.750	0.00	0.50	1.652	O	|	|	|	|	1.13
83.833	0.00	0.50	1.648	O	|	|	|	|	1.13

83.917	0.00	0.50	1.645	O	|	|	|	1.13
84.000	0.00	0.50	1.641	O	|	|	|	1.12
84.083	0.00	0.50	1.638	O	|	|	|	1.12
84.167	0.00	0.50	1.634	O	|	|	|	1.12
84.250	0.00	0.50	1.631	O	|	|	|	1.12
84.333	0.00	0.50	1.628	O	|	|	|	1.11
84.417	0.00	0.50	1.624	O	|	|	|	1.11
84.500	0.00	0.50	1.621	O	|	|	|	1.11
84.583	0.00	0.50	1.617	O	|	|	|	1.11
84.667	0.00	0.50	1.614	O	|	|	|	1.11
84.750	0.00	0.49	1.610	O	|	|	|	1.10
84.833	0.00	0.49	1.607	O	|	|	|	1.10
84.917	0.00	0.49	1.604	O	|	|	|	1.10
85.000	0.00	0.49	1.600	O	|	|	|	1.10
85.083	0.00	0.49	1.597	O	|	|	|	1.09
85.167	0.00	0.49	1.593	O	|	|	|	1.09
85.250	0.00	0.49	1.590	O	|	|	|	1.09
85.333	0.00	0.49	1.587	O	|	|	|	1.09
85.417	0.00	0.49	1.583	O	|	|	|	1.09
85.500	0.00	0.49	1.580	O	|	|	|	1.08
85.583	0.00	0.49	1.577	O	|	|	|	1.08
85.667	0.00	0.49	1.573	O	|	|	|	1.08
85.750	0.00	0.49	1.570	O	|	|	|	1.08
85.833	0.00	0.49	1.566	O	|	|	|	1.08
85.917	0.00	0.49	1.563	O	|	|	|	1.07
86.000	0.00	0.49	1.560	O	|	|	|	1.07
86.083	0.00	0.49	1.556	O	|	|	|	1.07
86.167	0.00	0.49	1.553	O	|	|	|	1.07
86.250	0.00	0.49	1.550	O	|	|	|	1.06
86.333	0.00	0.48	1.546	O	|	|	|	1.06
86.417	0.00	0.48	1.543	O	|	|	|	1.06
86.500	0.00	0.48	1.540	O	|	|	|	1.06
86.583	0.00	0.48	1.536	O	|	|	|	1.06
86.667	0.00	0.48	1.533	O	|	|	|	1.05
86.750	0.00	0.48	1.530	O	|	|	|	1.05
86.833	0.00	0.48	1.526	O	|	|	|	1.05
86.917	0.00	0.48	1.523	O	|	|	|	1.05
87.000	0.00	0.48	1.520	O	|	|	|	1.05
87.083	0.00	0.48	1.516	O	|	|	|	1.04
87.167	0.00	0.48	1.513	O	|	|	|	1.04
87.250	0.00	0.48	1.510	O	|	|	|	1.04
87.333	0.00	0.48	1.507	O	|	|	|	1.04
87.417	0.00	0.48	1.503	O	|	|	|	1.03
87.500	0.00	0.48	1.500	O	|	|	|	1.03
87.583	0.00	0.48	1.497	O	|	|	|	1.03
87.667	0.00	0.48	1.493	O	|	|	|	1.03
87.750	0.00	0.48	1.490	O	|	|	|	1.03
87.833	0.00	0.48	1.487	O	|	|	|	1.02
87.917	0.00	0.48	1.484	O	|	|	|	1.02
88.000	0.00	0.47	1.480	O	|	|	|	1.02
88.083	0.00	0.47	1.477	O	|	|	|	1.02
88.167	0.00	0.47	1.474	O	|	|	|	1.02
88.250	0.00	0.47	1.470	O	|	|	|	1.01
88.333	0.00	0.47	1.467	O	|	|	|	1.01
88.417	0.00	0.47	1.464	O	|	|	|	1.01
88.500	0.00	0.47	1.461	O	|	|	|	1.01
88.583	0.00	0.47	1.457	O	|	|	|	1.00
88.667	0.00	0.47	1.454	O	|	|	|	1.00
88.750	0.00	0.47	1.451	O	|	|	|	1.00
88.833	0.00	0.47	1.448	O	|	|	|	1.00
88.917	0.00	0.47	1.445	O	|	|	|	1.00
89.000	0.00	0.47	1.441	O	|	|	|	0.99
89.083	0.00	0.47	1.438	O	|	|	|	0.99
89.167	0.00	0.47	1.435	O	|	|	|	0.99
89.250	0.00	0.46	1.432	O	|	|	|	0.99
89.333	0.00	0.46	1.429	O	|	|	|	0.99
89.417	0.00	0.46	1.425	O	|	|	|	0.98

89.500	0.00	0.46	1.422	O	|	|	|	0.98
89.583	0.00	0.46	1.419	O	|	|	|	0.98
89.667	0.00	0.46	1.416	O	|	|	|	0.98
89.750	0.00	0.46	1.413	O	|	|	|	0.97
89.833	0.00	0.46	1.410	O	|	|	|	0.97
89.917	0.00	0.46	1.406	O	|	|	|	0.97
90.000	0.00	0.45	1.403	O	|	|	|	0.97
90.083	0.00	0.45	1.400	O	|	|	|	0.97
90.167	0.00	0.45	1.397	O	|	|	|	0.96
90.250	0.00	0.45	1.394	O	|	|	|	0.96
90.333	0.00	0.45	1.391	O	|	|	|	0.96
90.417	0.00	0.45	1.388	O	|	|	|	0.96
90.500	0.00	0.45	1.385	O	|	|	|	0.95
90.583	0.00	0.45	1.381	O	|	|	|	0.95
90.667	0.00	0.45	1.378	O	|	|	|	0.95
90.750	0.00	0.45	1.375	O	|	|	|	0.95
90.833	0.00	0.44	1.372	O	|	|	|	0.95
90.917	0.00	0.44	1.369	O	|	|	|	0.94
91.000	0.00	0.44	1.366	O	|	|	|	0.94
91.083	0.00	0.44	1.363	O	|	|	|	0.94
91.167	0.00	0.44	1.360	O	|	|	|	0.94
91.250	0.00	0.44	1.357	O	|	|	|	0.94
91.333	0.00	0.44	1.354	O	|	|	|	0.93
91.417	0.00	0.44	1.351	O	|	|	|	0.93
91.500	0.00	0.44	1.348	O	|	|	|	0.93
91.583	0.00	0.44	1.345	O	|	|	|	0.93
91.667	0.00	0.43	1.342	O	|	|	|	0.93
91.750	0.00	0.43	1.339	O	|	|	|	0.92
91.833	0.00	0.43	1.336	O	|	|	|	0.92
91.917	0.00	0.43	1.333	O	|	|	|	0.92
92.000	0.00	0.43	1.330	O	|	|	|	0.92
92.083	0.00	0.43	1.327	O	|	|	|	0.92
92.167	0.00	0.43	1.324	O	|	|	|	0.91
92.250	0.00	0.43	1.321	O	|	|	|	0.91
92.333	0.00	0.43	1.318	O	|	|	|	0.91
92.417	0.00	0.43	1.315	O	|	|	|	0.91
92.500	0.00	0.43	1.312	O	|	|	|	0.91
92.583	0.00	0.42	1.309	O	|	|	|	0.90
92.667	0.00	0.42	1.306	O	|	|	|	0.90
92.750	0.00	0.42	1.304	O	|	|	|	0.90
92.833	0.00	0.42	1.301	O	|	|	|	0.90
92.917	0.00	0.42	1.298	O	|	|	|	0.90
93.000	0.00	0.42	1.295	O	|	|	|	0.89
93.083	0.00	0.42	1.292	O	|	|	|	0.89
93.167	0.00	0.42	1.289	O	|	|	|	0.89
93.250	0.00	0.42	1.286	O	|	|	|	0.89
93.333	0.00	0.42	1.283	O	|	|	|	0.89
93.417	0.00	0.42	1.280	O	|	|	|	0.88
93.500	0.00	0.41	1.278	O	|	|	|	0.88
93.583	0.00	0.41	1.275	O	|	|	|	0.88
93.667	0.00	0.41	1.272	O	|	|	|	0.88
93.750	0.00	0.41	1.269	O	|	|	|	0.88
93.833	0.00	0.41	1.266	O	|	|	|	0.87
93.917	0.00	0.41	1.263	O	|	|	|	0.87
94.000	0.00	0.41	1.261	O	|	|	|	0.87
94.083	0.00	0.41	1.258	O	|	|	|	0.87
94.167	0.00	0.41	1.255	O	|	|	|	0.87
94.250	0.00	0.41	1.252	O	|	|	|	0.86
94.333	0.00	0.40	1.249	O	|	|	|	0.86
94.417	0.00	0.40	1.247	O	|	|	|	0.86
94.500	0.00	0.40	1.244	O	|	|	|	0.86
94.583	0.00	0.40	1.241	O	|	|	|	0.86
94.667	0.00	0.40	1.238	O	|	|	|	0.85
94.750	0.00	0.40	1.236	O	|	|	|	0.85
94.833	0.00	0.40	1.233	O	|	|	|	0.85
94.917	0.00	0.40	1.230	O	|	|	|	0.85
95.000	0.00	0.40	1.227	O	|	|	|	0.85

95.083	0.00	0.40	1.225	O	|	|	|	0.84
95.167	0.00	0.40	1.222	O	|	|	|	0.84
95.250	0.00	0.40	1.219	O	|	|	|	0.84
95.333	0.00	0.39	1.216	O	|	|	|	0.84
95.417	0.00	0.39	1.214	O	|	|	|	0.84
95.500	0.00	0.39	1.211	O	|	|	|	0.84
95.583	0.00	0.39	1.208	O	|	|	|	0.83
95.667	0.00	0.39	1.206	O	|	|	|	0.83
95.750	0.00	0.39	1.203	O	|	|	|	0.83
95.833	0.00	0.39	1.200	O	|	|	|	0.83
95.917	0.00	0.39	1.198	O	|	|	|	0.83
96.000	0.00	0.39	1.195	O	|	|	|	0.82
96.083	0.00	0.39	1.192	O	|	|	|	0.82
96.167	0.00	0.39	1.190	O	|	|	|	0.82
96.250	0.00	0.38	1.187	O	|	|	|	0.82
96.333	0.00	0.38	1.184	O	|	|	|	0.82
96.417	0.00	0.38	1.182	O	|	|	|	0.81
96.500	0.00	0.38	1.179	O	|	|	|	0.81
96.583	0.00	0.38	1.176	O	|	|	|	0.81
96.667	0.00	0.38	1.174	O	|	|	|	0.81
96.750	0.00	0.38	1.171	O	|	|	|	0.81
96.833	0.00	0.38	1.168	O	|	|	|	0.81
96.917	0.00	0.38	1.166	O	|	|	|	0.80
97.000	0.00	0.38	1.163	O	|	|	|	0.80
97.083	0.00	0.38	1.161	O	|	|	|	0.80
97.167	0.00	0.38	1.158	O	|	|	|	0.80
97.250	0.00	0.37	1.156	O	|	|	|	0.80
97.333	0.00	0.37	1.153	O	|	|	|	0.80
97.417	0.00	0.37	1.150	O	|	|	|	0.79
97.500	0.00	0.37	1.148	O	|	|	|	0.79
97.583	0.00	0.37	1.145	O	|	|	|	0.79
97.667	0.00	0.37	1.143	O	|	|	|	0.79
97.750	0.00	0.37	1.140	O	|	|	|	0.79
97.833	0.00	0.37	1.138	O	|	|	|	0.78
97.917	0.00	0.37	1.135	O	|	|	|	0.78
98.000	0.00	0.37	1.133	O	|	|	|	0.78
98.083	0.00	0.37	1.130	O	|	|	|	0.78
98.167	0.00	0.37	1.127	O	|	|	|	0.78
98.250	0.00	0.36	1.125	O	|	|	|	0.78
98.333	0.00	0.36	1.122	O	|	|	|	0.77
98.417	0.00	0.36	1.120	O	|	|	|	0.77
98.500	0.00	0.36	1.117	O	|	|	|	0.77
98.583	0.00	0.36	1.115	O	|	|	|	0.77
98.667	0.00	0.36	1.112	O	|	|	|	0.77
98.750	0.00	0.36	1.110	O	|	|	|	0.77
98.833	0.00	0.36	1.108	O	|	|	|	0.76
98.917	0.00	0.36	1.105	O	|	|	|	0.76
99.000	0.00	0.36	1.103	O	|	|	|	0.76
99.083	0.00	0.36	1.100	O	|	|	|	0.76
99.167	0.00	0.36	1.098	O	|	|	|	0.76
99.250	0.00	0.36	1.095	O	|	|	|	0.76
99.333	0.00	0.35	1.093	O	|	|	|	0.75
99.417	0.00	0.35	1.090	O	|	|	|	0.75
99.500	0.00	0.35	1.088	O	|	|	|	0.75
99.583	0.00	0.35	1.086	O	|	|	|	0.75
99.667	0.00	0.35	1.083	O	|	|	|	0.75
99.750	0.00	0.35	1.081	O	|	|	|	0.75
99.833	0.00	0.35	1.078	O	|	|	|	0.74
99.917	0.00	0.35	1.076	O	|	|	|	0.74
100.000	0.00	0.35	1.073	O	|	|	|	0.74
100.083	0.00	0.35	1.071	O	|	|	|	0.74
100.167	0.00	0.35	1.069	O	|	|	|	0.74
100.250	0.00	0.35	1.066	O	|	|	|	0.74
100.333	0.00	0.34	1.064	O	|	|	|	0.73
100.417	0.00	0.34	1.062	O	|	|	|	0.73
100.500	0.00	0.34	1.059	O	|	|	|	0.73
100.583	0.00	0.34	1.057	O	|	|	|	0.73

100.667	0.00	0.34	1.054	O					0.73
100.750	0.00	0.34	1.052	O					0.73
100.833	0.00	0.34	1.050	O					0.72
100.917	0.00	0.34	1.047	O					0.72
101.000	0.00	0.34	1.045	O					0.72
101.083	0.00	0.34	1.043	O					0.72
101.167	0.00	0.34	1.040	O					0.72
101.250	0.00	0.34	1.038	O					0.72
101.333	0.00	0.34	1.036	O					0.71
101.417	0.00	0.33	1.033	O					0.71
101.500	0.00	0.33	1.031	O					0.71
101.583	0.00	0.33	1.029	O					0.71
101.667	0.00	0.33	1.027	O					0.71
101.750	0.00	0.33	1.024	O					0.71
101.833	0.00	0.33	1.022	O					0.70
101.917	0.00	0.33	1.020	O					0.70
102.000	0.00	0.33	1.017	O					0.70
102.083	0.00	0.33	1.015	O					0.70
102.167	0.00	0.33	1.013	O					0.70
102.250	0.00	0.33	1.011	O					0.70
102.333	0.00	0.33	1.008	O					0.70
102.417	0.00	0.33	1.006	O					0.69
102.500	0.00	0.33	1.004	O					0.69
102.583	0.00	0.32	1.002	O					0.69
102.667	0.00	0.32	0.999	O					0.69
102.750	0.00	0.32	0.997	O					0.69
102.833	0.00	0.32	0.995	O					0.69
102.917	0.00	0.32	0.993	O					0.68
103.000	0.00	0.32	0.991	O					0.68
103.083	0.00	0.32	0.988	O					0.68
103.167	0.00	0.32	0.986	O					0.68
103.250	0.00	0.32	0.984	O					0.68
103.333	0.00	0.32	0.982	O					0.68
103.417	0.00	0.32	0.980	O					0.68
103.500	0.00	0.32	0.977	O					0.67
103.583	0.00	0.32	0.975	O					0.67
103.667	0.00	0.32	0.973	O					0.67
103.750	0.00	0.31	0.971	O					0.67
103.833	0.00	0.31	0.969	O					0.67
103.917	0.00	0.31	0.967	O					0.67
104.000	0.00	0.31	0.964	O					0.67
104.083	0.00	0.31	0.962	O					0.66
104.167	0.00	0.31	0.960	O					0.66
104.250	0.00	0.31	0.958	O					0.66
104.333	0.00	0.31	0.956	O					0.66
104.417	0.00	0.31	0.954	O					0.66
104.500	0.00	0.31	0.952	O					0.66
104.583	0.00	0.31	0.949	O					0.65
104.667	0.00	0.31	0.947	O					0.65
104.750	0.00	0.31	0.945	O					0.65
104.833	0.00	0.31	0.943	O					0.65
104.917	0.00	0.31	0.941	O					0.65
105.000	0.00	0.30	0.939	O					0.65
105.083	0.00	0.30	0.937	O					0.65
105.167	0.00	0.30	0.935	O					0.64
105.250	0.00	0.30	0.933	O					0.64
105.333	0.00	0.30	0.931	O					0.64
105.417	0.00	0.30	0.928	O					0.64
105.500	0.00	0.30	0.926	O					0.64
105.583	0.00	0.30	0.924	O					0.64
105.667	0.00	0.30	0.922	O					0.64
105.750	0.00	0.30	0.920	O					0.63
105.833	0.00	0.30	0.918	O					0.63
105.917	0.00	0.30	0.916	O					0.63
106.000	0.00	0.30	0.914	O					0.63
106.083	0.00	0.30	0.912	O					0.63
106.167	0.00	0.29	0.910	O					0.63

106.250	0.00	0.29	0.908	O	|	|	|	0.63
106.333	0.00	0.29	0.906	O	|	|	|	0.62
106.417	0.00	0.29	0.904	O	|	|	|	0.62
106.500	0.00	0.29	0.902	O	|	|	|	0.62
106.583	0.00	0.29	0.900	O	|	|	|	0.62
106.667	0.00	0.29	0.898	O	|	|	|	0.62
106.750	0.00	0.29	0.896	O	|	|	|	0.62
106.833	0.00	0.29	0.894	O	|	|	|	0.62
106.917	0.00	0.29	0.892	O	|	|	|	0.62
107.000	0.00	0.29	0.890	O	|	|	|	0.61
107.083	0.00	0.29	0.888	O	|	|	|	0.61
107.167	0.00	0.29	0.886	O	|	|	|	0.61
107.250	0.00	0.29	0.884	O	|	|	|	0.61
107.333	0.00	0.29	0.882	O	|	|	|	0.61
107.417	0.00	0.29	0.880	O	|	|	|	0.61
107.500	0.00	0.28	0.878	O	|	|	|	0.61
107.583	0.00	0.28	0.876	O	|	|	|	0.60
107.667	0.00	0.28	0.874	O	|	|	|	0.60
107.750	0.00	0.28	0.872	O	|	|	|	0.60
107.833	0.00	0.28	0.870	O	|	|	|	0.60
107.917	0.00	0.28	0.868	O	|	|	|	0.60
108.000	0.00	0.28	0.866	O	|	|	|	0.60
108.083	0.00	0.28	0.864	O	|	|	|	0.60
108.167	0.00	0.28	0.863	O	|	|	|	0.59
108.250	0.00	0.28	0.861	O	|	|	|	0.59
108.333	0.00	0.28	0.859	O	|	|	|	0.59
108.417	0.00	0.28	0.857	O	|	|	|	0.59
108.500	0.00	0.28	0.855	O	|	|	|	0.59
108.583	0.00	0.28	0.853	O	|	|	|	0.59
108.667	0.00	0.28	0.851	O	|	|	|	0.59
108.750	0.00	0.28	0.849	O	|	|	|	0.59
108.833	0.00	0.27	0.847	O	|	|	|	0.58
108.917	0.00	0.27	0.845	O	|	|	|	0.58
109.000	0.00	0.27	0.843	O	|	|	|	0.58
109.083	0.00	0.27	0.842	O	|	|	|	0.58
109.167	0.00	0.27	0.840	O	|	|	|	0.58
109.250	0.00	0.27	0.838	O	|	|	|	0.58
109.333	0.00	0.27	0.836	O	|	|	|	0.58
109.417	0.00	0.27	0.834	O	|	|	|	0.58
109.500	0.00	0.27	0.832	O	|	|	|	0.57
109.583	0.00	0.27	0.830	O	|	|	|	0.57
109.667	0.00	0.27	0.829	O	|	|	|	0.57
109.750	0.00	0.27	0.827	O	|	|	|	0.57
109.833	0.00	0.27	0.825	O	|	|	|	0.57
109.917	0.00	0.27	0.823	O	|	|	|	0.57
110.000	0.00	0.27	0.821	O	|	|	|	0.57
110.083	0.00	0.27	0.819	O	|	|	|	0.57
110.167	0.00	0.26	0.818	O	|	|	|	0.56
110.250	0.00	0.26	0.816	O	|	|	|	0.56
110.333	0.00	0.26	0.814	O	|	|	|	0.56
110.417	0.00	0.26	0.812	O	|	|	|	0.56
110.500	0.00	0.26	0.810	O	|	|	|	0.56
110.583	0.00	0.26	0.808	O	|	|	|	0.56
110.667	0.00	0.26	0.807	O	|	|	|	0.56
110.750	0.00	0.26	0.805	O	|	|	|	0.56
110.833	0.00	0.26	0.803	O	|	|	|	0.55
110.917	0.00	0.26	0.801	O	|	|	|	0.55
111.000	0.00	0.26	0.799	O	|	|	|	0.55
111.083	0.00	0.26	0.798	O	|	|	|	0.55
111.167	0.00	0.26	0.796	O	|	|	|	0.55
111.250	0.00	0.26	0.794	O	|	|	|	0.55
111.333	0.00	0.26	0.792	O	|	|	|	0.55
111.417	0.00	0.26	0.791	O	|	|	|	0.55
111.500	0.00	0.26	0.789	O	|	|	|	0.54
111.583	0.00	0.26	0.787	O	|	|	|	0.54
111.667	0.00	0.25	0.785	O	|	|	|	0.54
111.750	0.00	0.25	0.784	O	|	|	|	0.54

111.833	0.00	0.25	0.782	O					0.54
111.917	0.00	0.25	0.780	O					0.54
112.000	0.00	0.25	0.778	O					0.54
112.083	0.00	0.25	0.777	O					0.54
112.167	0.00	0.25	0.775	O					0.53
112.250	0.00	0.25	0.773	O					0.53
112.333	0.00	0.25	0.771	O					0.53
112.417	0.00	0.25	0.770	O					0.53
112.500	0.00	0.25	0.768	O					0.53
112.583	0.00	0.25	0.766	O					0.53
112.667	0.00	0.25	0.765	O					0.53
112.750	0.00	0.25	0.763	O					0.53
112.833	0.00	0.25	0.761	O					0.52
112.917	0.00	0.25	0.759	O					0.52
113.000	0.00	0.25	0.758	O					0.52
113.083	0.00	0.25	0.756	O					0.52
113.167	0.00	0.24	0.754	O					0.52
113.250	0.00	0.24	0.753	O					0.52
113.333	0.00	0.24	0.751	O					0.52
113.417	0.00	0.24	0.749	O					0.52
113.500	0.00	0.24	0.748	O					0.52
113.583	0.00	0.24	0.746	O					0.51
113.667	0.00	0.24	0.744	O					0.51
113.750	0.00	0.24	0.743	O					0.51
113.833	0.00	0.24	0.741	O					0.51
113.917	0.00	0.24	0.739	O					0.51
114.000	0.00	0.24	0.738	O					0.51
114.083	0.00	0.24	0.736	O					0.51
114.167	0.00	0.24	0.734	O					0.51
114.250	0.00	0.24	0.733	O					0.51
114.333	0.00	0.24	0.731	O					0.50
114.417	0.00	0.24	0.730	O					0.50
114.500	0.00	0.24	0.728	O					0.50
114.583	0.00	0.24	0.726	O					0.50
114.667	0.00	0.23	0.725	O					0.50
114.750	0.00	0.23	0.723	O					0.50
114.833	0.00	0.23	0.721	O					0.50
114.917	0.00	0.23	0.720	O					0.50
115.000	0.00	0.23	0.718	O					0.50
115.083	0.00	0.23	0.717	O					0.49
115.167	0.00	0.23	0.715	O					0.49
115.250	0.00	0.23	0.713	O					0.49
115.333	0.00	0.23	0.712	O					0.49
115.417	0.00	0.23	0.710	O					0.49
115.500	0.00	0.23	0.709	O					0.49
115.583	0.00	0.23	0.707	O					0.49
115.667	0.00	0.23	0.706	O					0.49
115.750	0.00	0.23	0.704	O					0.49
115.833	0.00	0.23	0.702	O					0.48
115.917	0.00	0.23	0.701	O					0.48
116.000	0.00	0.23	0.699	O					0.48
116.083	0.00	0.23	0.698	O					0.48
116.167	0.00	0.23	0.696	O					0.48
116.250	0.00	0.23	0.695	O					0.48
116.333	0.00	0.22	0.693	O					0.48
116.417	0.00	0.22	0.692	O					0.48
116.500	0.00	0.22	0.690	O					0.48
116.583	0.00	0.22	0.688	O					0.47
116.667	0.00	0.22	0.687	O					0.47
116.750	0.00	0.22	0.685	O					0.47
116.833	0.00	0.22	0.684	O					0.47
116.917	0.00	0.22	0.682	O					0.47
117.000	0.00	0.22	0.681	O					0.47
117.083	0.00	0.22	0.679	O					0.47
117.167	0.00	0.22	0.678	O					0.47
117.250	0.00	0.22	0.676	O					0.47
117.333	0.00	0.22	0.675	O					0.47

117.417	0.00	0.22	0.673	O	|	|	|	|	0.46
117.500	0.00	0.22	0.672	O	|	|	|	|	0.46
117.583	0.00	0.22	0.670	O	|	|	|	|	0.46
117.667	0.00	0.22	0.669	O	|	|	|	|	0.46
117.750	0.00	0.22	0.667	O	|	|	|	|	0.46
117.833	0.00	0.22	0.666	O	|	|	|	|	0.46
117.917	0.00	0.22	0.664	O	|	|	|	|	0.46
118.000	0.00	0.21	0.663	O	|	|	|	|	0.46
118.083	0.00	0.21	0.661	O	|	|	|	|	0.46
118.167	0.00	0.21	0.660	O	|	|	|	|	0.46
118.250	0.00	0.21	0.658	O	|	|	|	|	0.45
118.333	0.00	0.21	0.657	O	|	|	|	|	0.45
118.417	0.00	0.21	0.655	O	|	|	|	|	0.45
118.500	0.00	0.21	0.654	O	|	|	|	|	0.45
118.583	0.00	0.21	0.653	O	|	|	|	|	0.45
118.667	0.00	0.21	0.651	O	|	|	|	|	0.45
118.750	0.00	0.21	0.650	O	|	|	|	|	0.45
118.833	0.00	0.21	0.648	O	|	|	|	|	0.45
118.917	0.00	0.21	0.647	O	|	|	|	|	0.45
119.000	0.00	0.21	0.645	O	|	|	|	|	0.45
119.083	0.00	0.21	0.644	O	|	|	|	|	0.44
119.167	0.00	0.21	0.642	O	|	|	|	|	0.44
119.250	0.00	0.21	0.641	O	|	|	|	|	0.44
119.333	0.00	0.21	0.640	O	|	|	|	|	0.44
119.417	0.00	0.21	0.638	O	|	|	|	|	0.44
119.500	0.00	0.21	0.637	O	|	|	|	|	0.44
119.583	0.00	0.21	0.635	O	|	|	|	|	0.44
119.667	0.00	0.21	0.634	O	|	|	|	|	0.44
119.750	0.00	0.20	0.632	O	|	|	|	|	0.44
119.833	0.00	0.20	0.631	O	|	|	|	|	0.44
119.917	0.00	0.20	0.630	O	|	|	|	|	0.43
120.000	0.00	0.20	0.628	O	|	|	|	|	0.43
120.083	0.00	0.20	0.627	O	|	|	|	|	0.43
120.167	0.00	0.20	0.625	O	|	|	|	|	0.43
120.250	0.00	0.20	0.624	O	|	|	|	|	0.43
120.333	0.00	0.20	0.623	O	|	|	|	|	0.43
120.417	0.00	0.20	0.621	O	|	|	|	|	0.43
120.500	0.00	0.20	0.620	O	|	|	|	|	0.43
120.583	0.00	0.20	0.618	O	|	|	|	|	0.43
120.667	0.00	0.20	0.617	O	|	|	|	|	0.43
120.750	0.00	0.20	0.616	O	|	|	|	|	0.42
120.833	0.00	0.20	0.614	O	|	|	|	|	0.42
120.917	0.00	0.20	0.613	O	|	|	|	|	0.42
121.000	0.00	0.20	0.612	O	|	|	|	|	0.42
121.083	0.00	0.20	0.610	O	|	|	|	|	0.42
121.167	0.00	0.20	0.609	O	|	|	|	|	0.42
121.250	0.00	0.20	0.608	O	|	|	|	|	0.42
121.333	0.00	0.20	0.606	O	|	|	|	|	0.42
121.417	0.00	0.20	0.605	O	|	|	|	|	0.42
121.500	0.00	0.20	0.603	O	|	|	|	|	0.42
121.583	0.00	0.20	0.602	O	|	|	|	|	0.42
121.667	0.00	0.19	0.601	O	|	|	|	|	0.41
121.750	0.00	0.19	0.599	O	|	|	|	|	0.41
121.833	0.00	0.19	0.598	O	|	|	|	|	0.41
121.917	0.00	0.19	0.597	O	|	|	|	|	0.41
122.000	0.00	0.19	0.595	O	|	|	|	|	0.41
122.083	0.00	0.19	0.594	O	|	|	|	|	0.41
122.167	0.00	0.19	0.593	O	|	|	|	|	0.41
122.250	0.00	0.19	0.591	O	|	|	|	|	0.41
122.333	0.00	0.19	0.590	O	|	|	|	|	0.41
122.417	0.00	0.19	0.589	O	|	|	|	|	0.41
122.500	0.00	0.19	0.588	O	|	|	|	|	0.41
122.583	0.00	0.19	0.586	O	|	|	|	|	0.40
122.667	0.00	0.19	0.585	O	|	|	|	|	0.40
122.750	0.00	0.19	0.584	O	|	|	|	|	0.40
122.833	0.00	0.19	0.582	O	|	|	|	|	0.40
122.917	0.00	0.19	0.581	O	|	|	|	|	0.40

123.000	0.00	0.19	0.580	O	|	|	|	|	0.40
123.083	0.00	0.19	0.578	O	|	|	|	|	0.40
123.167	0.00	0.19	0.577	O	|	|	|	|	0.40
123.250	0.00	0.19	0.576	O	|	|	|	|	0.40
123.333	0.00	0.19	0.575	O	|	|	|	|	0.40
123.417	0.00	0.19	0.573	O	|	|	|	|	0.40
123.500	0.00	0.19	0.572	O	|	|	|	|	0.39
123.583	0.00	0.18	0.571	O	|	|	|	|	0.39
123.667	0.00	0.18	0.569	O	|	|	|	|	0.39
123.750	0.00	0.18	0.568	O	|	|	|	|	0.39
123.833	0.00	0.18	0.567	O	|	|	|	|	0.39
123.917	0.00	0.18	0.566	O	|	|	|	|	0.39
124.000	0.00	0.18	0.564	O	|	|	|	|	0.39
124.083	0.00	0.18	0.563	O	|	|	|	|	0.39
124.167	0.00	0.18	0.562	O	|	|	|	|	0.39
124.250	0.00	0.18	0.561	O	|	|	|	|	0.39
124.333	0.00	0.18	0.559	O	|	|	|	|	0.39
124.417	0.00	0.18	0.558	O	|	|	|	|	0.38
124.500	0.00	0.18	0.557	O	|	|	|	|	0.38
124.583	0.00	0.18	0.556	O	|	|	|	|	0.38
124.667	0.00	0.18	0.554	O	|	|	|	|	0.38
124.750	0.00	0.18	0.553	O	|	|	|	|	0.38
124.833	0.00	0.18	0.552	O	|	|	|	|	0.38
124.917	0.00	0.18	0.551	O	|	|	|	|	0.38
125.000	0.00	0.18	0.549	O	|	|	|	|	0.38
125.083	0.00	0.18	0.548	O	|	|	|	|	0.38
125.167	0.00	0.18	0.547	O	|	|	|	|	0.38
125.250	0.00	0.18	0.546	O	|	|	|	|	0.38
125.333	0.00	0.18	0.545	O	|	|	|	|	0.38
125.417	0.00	0.18	0.543	O	|	|	|	|	0.37
125.500	0.00	0.18	0.542	O	|	|	|	|	0.37
125.583	0.00	0.18	0.541	O	|	|	|	|	0.37
125.667	0.00	0.17	0.540	O	|	|	|	|	0.37
125.750	0.00	0.17	0.539	O	|	|	|	|	0.37
125.833	0.00	0.17	0.537	O	|	|	|	|	0.37
125.917	0.00	0.17	0.536	O	|	|	|	|	0.37
126.000	0.00	0.17	0.535	O	|	|	|	|	0.37
126.083	0.00	0.17	0.534	O	|	|	|	|	0.37
126.167	0.00	0.17	0.533	O	|	|	|	|	0.37
126.250	0.00	0.17	0.531	O	|	|	|	|	0.37
126.333	0.00	0.17	0.530	O	|	|	|	|	0.37
126.417	0.00	0.17	0.529	O	|	|	|	|	0.36
126.500	0.00	0.17	0.528	O	|	|	|	|	0.36
126.583	0.00	0.17	0.527	O	|	|	|	|	0.36
126.667	0.00	0.17	0.525	O	|	|	|	|	0.36
126.750	0.00	0.17	0.524	O	|	|	|	|	0.36
126.833	0.00	0.17	0.523	O	|	|	|	|	0.36
126.917	0.00	0.17	0.522	O	|	|	|	|	0.36
127.000	0.00	0.17	0.521	O	|	|	|	|	0.36
127.083	0.00	0.17	0.520	O	|	|	|	|	0.36
127.167	0.00	0.17	0.518	O	|	|	|	|	0.36
127.250	0.00	0.17	0.517	O	|	|	|	|	0.36
127.333	0.00	0.17	0.516	O	|	|	|	|	0.36
127.417	0.00	0.17	0.515	O	|	|	|	|	0.36
127.500	0.00	0.17	0.514	O	|	|	|	|	0.35
127.583	0.00	0.17	0.513	O	|	|	|	|	0.35
127.667	0.00	0.17	0.512	O	|	|	|	|	0.35
127.750	0.00	0.17	0.510	O	|	|	|	|	0.35
127.833	0.00	0.17	0.509	O	|	|	|	|	0.35
127.917	0.00	0.16	0.508	O	|	|	|	|	0.35
128.000	0.00	0.16	0.507	O	|	|	|	|	0.35
128.083	0.00	0.16	0.506	O	|	|	|	|	0.35
128.167	0.00	0.16	0.505	O	|	|	|	|	0.35
128.250	0.00	0.16	0.504	O	|	|	|	|	0.35
128.333	0.00	0.16	0.503	O	|	|	|	|	0.35
128.417	0.00	0.16	0.501	O	|	|	|	|	0.35
128.500	0.00	0.16	0.500	O	|	|	|	|	0.35

128.583	0.00	0.16	0.499	O	|	|	|	|	0.34
128.667	0.00	0.16	0.498	O	|	|	|	|	0.34
128.750	0.00	0.16	0.497	O	|	|	|	|	0.34
128.833	0.00	0.16	0.496	O	|	|	|	|	0.34
128.917	0.00	0.16	0.495	O	|	|	|	|	0.34
129.000	0.00	0.16	0.494	O	|	|	|	|	0.34
129.083	0.00	0.16	0.493	O	|	|	|	|	0.34
129.167	0.00	0.16	0.491	O	|	|	|	|	0.34
129.250	0.00	0.16	0.490	O	|	|	|	|	0.34
129.333	0.00	0.16	0.489	O	|	|	|	|	0.34
129.417	0.00	0.16	0.488	O	|	|	|	|	0.34
129.500	0.00	0.16	0.487	O	|	|	|	|	0.34
129.583	0.00	0.16	0.486	O	|	|	|	|	0.34
129.667	0.00	0.16	0.485	O	|	|	|	|	0.33
129.750	0.00	0.16	0.484	O	|	|	|	|	0.33
129.833	0.00	0.16	0.483	O	|	|	|	|	0.33
129.917	0.00	0.16	0.482	O	|	|	|	|	0.33
130.000	0.00	0.16	0.481	O	|	|	|	|	0.33
130.083	0.00	0.16	0.480	O	|	|	|	|	0.33
130.167	0.00	0.16	0.478	O	|	|	|	|	0.33
130.250	0.00	0.15	0.477	O	|	|	|	|	0.33
130.333	0.00	0.15	0.476	O	|	|	|	|	0.33
130.417	0.00	0.15	0.475	O	|	|	|	|	0.33
130.500	0.00	0.15	0.474	O	|	|	|	|	0.33
130.583	0.00	0.15	0.473	O	|	|	|	|	0.33
130.667	0.00	0.15	0.472	O	|	|	|	|	0.33
130.750	0.00	0.15	0.471	O	|	|	|	|	0.32
130.833	0.00	0.15	0.470	O	|	|	|	|	0.32
130.917	0.00	0.15	0.469	O	|	|	|	|	0.32
131.000	0.00	0.15	0.468	O	|	|	|	|	0.32
131.083	0.00	0.15	0.467	O	|	|	|	|	0.32
131.167	0.00	0.15	0.466	O	|	|	|	|	0.32
131.250	0.00	0.15	0.465	O	|	|	|	|	0.32
131.333	0.00	0.15	0.464	O	|	|	|	|	0.32
131.417	0.00	0.15	0.463	O	|	|	|	|	0.32
131.500	0.00	0.15	0.462	O	|	|	|	|	0.32
131.583	0.00	0.15	0.461	O	|	|	|	|	0.32
131.667	0.00	0.15	0.460	O	|	|	|	|	0.32
131.750	0.00	0.15	0.459	O	|	|	|	|	0.32
131.833	0.00	0.15	0.458	O	|	|	|	|	0.32
131.917	0.00	0.15	0.457	O	|	|	|	|	0.31
132.000	0.00	0.15	0.456	O	|	|	|	|	0.31
132.083	0.00	0.15	0.454	O	|	|	|	|	0.31
132.167	0.00	0.15	0.453	O	|	|	|	|	0.31
132.250	0.00	0.15	0.452	O	|	|	|	|	0.31
132.333	0.00	0.15	0.451	O	|	|	|	|	0.31
132.417	0.00	0.15	0.450	O	|	|	|	|	0.31
132.500	0.00	0.15	0.449	O	|	|	|	|	0.31
132.583	0.00	0.15	0.448	O	|	|	|	|	0.31
132.667	0.00	0.15	0.447	O	|	|	|	|	0.31
132.750	0.00	0.14	0.446	O	|	|	|	|	0.31
132.833	0.00	0.14	0.445	O	|	|	|	|	0.31
132.917	0.00	0.14	0.444	O	|	|	|	|	0.31
133.000	0.00	0.14	0.443	O	|	|	|	|	0.31
133.083	0.00	0.14	0.442	O	|	|	|	|	0.31
133.167	0.00	0.14	0.441	O	|	|	|	|	0.30
133.250	0.00	0.14	0.441	O	|	|	|	|	0.30
133.333	0.00	0.14	0.440	O	|	|	|	|	0.30
133.417	0.00	0.14	0.439	O	|	|	|	|	0.30
133.500	0.00	0.14	0.438	O	|	|	|	|	0.30
133.583	0.00	0.14	0.437	O	|	|	|	|	0.30
133.667	0.00	0.14	0.436	O	|	|	|	|	0.30
133.750	0.00	0.14	0.435	O	|	|	|	|	0.30
133.833	0.00	0.14	0.434	O	|	|	|	|	0.30
133.917	0.00	0.14	0.433	O	|	|	|	|	0.30
134.000	0.00	0.14	0.432	O	|	|	|	|	0.30
134.083	0.00	0.14	0.431	O	|	|	|	|	0.30

134.167	0.00	0.14	0.430	O	|	|	|	0.30
134.250	0.00	0.14	0.429	O	|	|	|	0.30
134.333	0.00	0.14	0.428	O	|	|	|	0.30
134.417	0.00	0.14	0.427	O	|	|	|	0.29
134.500	0.00	0.14	0.426	O	|	|	|	0.29
134.583	0.00	0.14	0.425	O	|	|	|	0.29
134.667	0.00	0.14	0.424	O	|	|	|	0.29
134.750	0.00	0.14	0.423	O	|	|	|	0.29
134.833	0.00	0.14	0.422	O	|	|	|	0.29
134.917	0.00	0.14	0.421	O	|	|	|	0.29
135.000	0.00	0.14	0.420	O	|	|	|	0.29
135.083	0.00	0.14	0.419	O	|	|	|	0.29
135.167	0.00	0.14	0.418	O	|	|	|	0.29
135.250	0.00	0.14	0.418	O	|	|	|	0.29
135.333	0.00	0.14	0.417	O	|	|	|	0.29
135.417	0.00	0.13	0.416	O	|	|	|	0.29
135.500	0.00	0.13	0.415	O	|	|	|	0.29
135.583	0.00	0.13	0.414	O	|	|	|	0.29
135.667	0.00	0.13	0.413	O	|	|	|	0.28
135.750	0.00	0.13	0.412	O	|	|	|	0.28
135.833	0.00	0.13	0.411	O	|	|	|	0.28
135.917	0.00	0.13	0.410	O	|	|	|	0.28
136.000	0.00	0.13	0.409	O	|	|	|	0.28
136.083	0.00	0.13	0.408	O	|	|	|	0.28
136.167	0.00	0.13	0.407	O	|	|	|	0.28
136.250	0.00	0.13	0.406	O	|	|	|	0.28
136.333	0.00	0.13	0.406	O	|	|	|	0.28
136.417	0.00	0.13	0.405	O	|	|	|	0.28
136.500	0.00	0.13	0.404	O	|	|	|	0.28
136.583	0.00	0.13	0.403	O	|	|	|	0.28
136.667	0.00	0.13	0.402	O	|	|	|	0.28
136.750	0.00	0.13	0.401	O	|	|	|	0.28
136.833	0.00	0.13	0.400	O	|	|	|	0.28
136.917	0.00	0.13	0.399	O	|	|	|	0.28
137.000	0.00	0.13	0.398	O	|	|	|	0.27
137.083	0.00	0.13	0.398	O	|	|	|	0.27
137.167	0.00	0.13	0.397	O	|	|	|	0.27
137.250	0.00	0.13	0.396	O	|	|	|	0.27
137.333	0.00	0.13	0.395	O	|	|	|	0.27
137.417	0.00	0.13	0.394	O	|	|	|	0.27
137.500	0.00	0.13	0.393	O	|	|	|	0.27
137.583	0.00	0.13	0.392	O	|	|	|	0.27
137.667	0.00	0.13	0.391	O	|	|	|	0.27
137.750	0.00	0.13	0.390	O	|	|	|	0.27
137.833	0.00	0.13	0.390	O	|	|	|	0.27
137.917	0.00	0.13	0.389	O	|	|	|	0.27
138.000	0.00	0.13	0.388	O	|	|	|	0.27
138.083	0.00	0.13	0.387	O	|	|	|	0.27
138.167	0.00	0.13	0.386	O	|	|	|	0.27
138.250	0.00	0.12	0.385	O	|	|	|	0.27
138.333	0.00	0.12	0.384	O	|	|	|	0.27
138.417	0.00	0.12	0.384	O	|	|	|	0.26
138.500	0.00	0.12	0.383	O	|	|	|	0.26
138.583	0.00	0.12	0.382	O	|	|	|	0.26
138.667	0.00	0.12	0.381	O	|	|	|	0.26
138.750	0.00	0.12	0.380	O	|	|	|	0.26
138.833	0.00	0.12	0.379	O	|	|	|	0.26
138.917	0.00	0.12	0.378	O	|	|	|	0.26
139.000	0.00	0.12	0.378	O	|	|	|	0.26
139.083	0.00	0.12	0.377	O	|	|	|	0.26
139.167	0.00	0.12	0.376	O	|	|	|	0.26
139.250	0.00	0.12	0.375	O	|	|	|	0.26
139.333	0.00	0.12	0.374	O	|	|	|	0.26
139.417	0.00	0.12	0.373	O	|	|	|	0.26
139.500	0.00	0.12	0.373	O	|	|	|	0.26
139.583	0.00	0.12	0.372	O	|	|	|	0.26
139.667	0.00	0.12	0.371	O	|	|	|	0.26

139.750	0.00	0.12	0.370	O	|	|	|	|	0.26
139.833	0.00	0.12	0.369	O	|	|	|	|	0.25
139.917	0.00	0.12	0.368	O	|	|	|	|	0.25
140.000	0.00	0.12	0.368	O	|	|	|	|	0.25
140.083	0.00	0.12	0.367	O	|	|	|	|	0.25
140.167	0.00	0.12	0.366	O	|	|	|	|	0.25
140.250	0.00	0.12	0.365	O	|	|	|	|	0.25
140.333	0.00	0.12	0.364	O	|	|	|	|	0.25
140.417	0.00	0.12	0.364	O	|	|	|	|	0.25
140.500	0.00	0.12	0.363	O	|	|	|	|	0.25
140.583	0.00	0.12	0.362	O	|	|	|	|	0.25
140.667	0.00	0.12	0.361	O	|	|	|	|	0.25
140.750	0.00	0.12	0.360	O	|	|	|	|	0.25
140.833	0.00	0.12	0.360	O	|	|	|	|	0.25
140.917	0.00	0.12	0.359	O	|	|	|	|	0.25
141.000	0.00	0.12	0.358	O	|	|	|	|	0.25
141.083	0.00	0.12	0.357	O	|	|	|	|	0.25
141.167	0.00	0.12	0.356	O	|	|	|	|	0.25
141.250	0.00	0.12	0.356	O	|	|	|	|	0.25
141.333	0.00	0.11	0.355	O	|	|	|	|	0.24
141.417	0.00	0.11	0.354	O	|	|	|	|	0.24
141.500	0.00	0.11	0.353	O	|	|	|	|	0.24
141.583	0.00	0.11	0.352	O	|	|	|	|	0.24
141.667	0.00	0.11	0.352	O	|	|	|	|	0.24
141.750	0.00	0.11	0.351	O	|	|	|	|	0.24
141.833	0.00	0.11	0.350	O	|	|	|	|	0.24
141.917	0.00	0.11	0.349	O	|	|	|	|	0.24
142.000	0.00	0.11	0.348	O	|	|	|	|	0.24
142.083	0.00	0.11	0.348	O	|	|	|	|	0.24
142.167	0.00	0.11	0.347	O	|	|	|	|	0.24
142.250	0.00	0.11	0.346	O	|	|	|	|	0.24
142.333	0.00	0.11	0.345	O	|	|	|	|	0.24
142.417	0.00	0.11	0.345	O	|	|	|	|	0.24
142.500	0.00	0.11	0.344	O	|	|	|	|	0.24
142.583	0.00	0.11	0.343	O	|	|	|	|	0.24
142.667	0.00	0.11	0.342	O	|	|	|	|	0.24
142.750	0.00	0.11	0.342	O	|	|	|	|	0.24
142.833	0.00	0.11	0.341	O	|	|	|	|	0.24
142.917	0.00	0.11	0.340	O	|	|	|	|	0.23
143.000	0.00	0.11	0.339	O	|	|	|	|	0.23
143.083	0.00	0.11	0.338	O	|	|	|	|	0.23
143.167	0.00	0.11	0.338	O	|	|	|	|	0.23
143.250	0.00	0.11	0.337	O	|	|	|	|	0.23
143.333	0.00	0.11	0.336	O	|	|	|	|	0.23
143.417	0.00	0.11	0.335	O	|	|	|	|	0.23
143.500	0.00	0.11	0.335	O	|	|	|	|	0.23
143.583	0.00	0.11	0.334	O	|	|	|	|	0.23
143.667	0.00	0.11	0.333	O	|	|	|	|	0.23
143.750	0.00	0.11	0.333	O	|	|	|	|	0.23
143.833	0.00	0.11	0.332	O	|	|	|	|	0.23
143.917	0.00	0.11	0.331	O	|	|	|	|	0.23
144.000	0.00	0.11	0.330	O	|	|	|	|	0.23
144.083	0.00	0.11	0.330	O	|	|	|	|	0.23
144.167	0.00	0.11	0.329	O	|	|	|	|	0.23
144.250	0.00	0.11	0.328	O	|	|	|	|	0.23
144.333	0.00	0.11	0.327	O	|	|	|	|	0.23
144.417	0.00	0.11	0.327	O	|	|	|	|	0.23
144.500	0.00	0.11	0.326	O	|	|	|	|	0.22
144.583	0.00	0.11	0.325	O	|	|	|	|	0.22
144.667	0.00	0.11	0.324	O	|	|	|	|	0.22
144.750	0.00	0.10	0.324	O	|	|	|	|	0.22
144.833	0.00	0.10	0.323	O	|	|	|	|	0.22
144.917	0.00	0.10	0.322	O	|	|	|	|	0.22
145.000	0.00	0.10	0.322	O	|	|	|	|	0.22
145.083	0.00	0.10	0.321	O	|	|	|	|	0.22
145.167	0.00	0.10	0.320	O	|	|	|	|	0.22
145.250	0.00	0.10	0.319	O	|	|	|	|	0.22

145.333	0.00	0.10	0.319	O	|	|	|	|	0.22
145.417	0.00	0.10	0.318	O	|	|	|	|	0.22
145.500	0.00	0.10	0.317	O	|	|	|	|	0.22
145.583	0.00	0.10	0.317	O	|	|	|	|	0.22
145.667	0.00	0.10	0.316	O	|	|	|	|	0.22
145.750	0.00	0.10	0.315	O	|	|	|	|	0.22
145.833	0.00	0.10	0.314	O	|	|	|	|	0.22
145.917	0.00	0.10	0.314	O	|	|	|	|	0.22
146.000	0.00	0.10	0.313	O	|	|	|	|	0.22
146.083	0.00	0.10	0.312	O	|	|	|	|	0.22
146.167	0.00	0.10	0.312	O	|	|	|	|	0.21
146.250	0.00	0.10	0.311	O	|	|	|	|	0.21
146.333	0.00	0.10	0.310	O	|	|	|	|	0.21
146.417	0.00	0.10	0.310	O	|	|	|	|	0.21
146.500	0.00	0.10	0.309	O	|	|	|	|	0.21
146.583	0.00	0.10	0.308	O	|	|	|	|	0.21
146.667	0.00	0.10	0.308	O	|	|	|	|	0.21
146.750	0.00	0.10	0.307	O	|	|	|	|	0.21
146.833	0.00	0.10	0.306	O	|	|	|	|	0.21
146.917	0.00	0.10	0.305	O	|	|	|	|	0.21
147.000	0.00	0.10	0.305	O	|	|	|	|	0.21
147.083	0.00	0.10	0.304	O	|	|	|	|	0.21
147.167	0.00	0.10	0.303	O	|	|	|	|	0.21
147.250	0.00	0.10	0.303	O	|	|	|	|	0.21
147.333	0.00	0.10	0.302	O	|	|	|	|	0.21
147.417	0.00	0.10	0.301	O	|	|	|	|	0.21
147.500	0.00	0.10	0.301	O	|	|	|	|	0.21
147.583	0.00	0.10	0.300	O	|	|	|	|	0.21
147.667	0.00	0.10	0.299	O	|	|	|	|	0.21
147.750	0.00	0.10	0.299	O	|	|	|	|	0.21
147.833	0.00	0.10	0.298	O	|	|	|	|	0.21
147.917	0.00	0.10	0.297	O	|	|	|	|	0.21
148.000	0.00	0.10	0.297	O	|	|	|	|	0.20
148.083	0.00	0.10	0.296	O	|	|	|	|	0.20
148.167	0.00	0.10	0.295	O	|	|	|	|	0.20
148.250	0.00	0.10	0.295	O	|	|	|	|	0.20
148.333	0.00	0.10	0.294	O	|	|	|	|	0.20
148.417	0.00	0.10	0.293	O	|	|	|	|	0.20
148.500	0.00	0.09	0.293	O	|	|	|	|	0.20
148.583	0.00	0.09	0.292	O	|	|	|	|	0.20
148.667	0.00	0.09	0.291	O	|	|	|	|	0.20
148.750	0.00	0.09	0.291	O	|	|	|	|	0.20
148.833	0.00	0.09	0.290	O	|	|	|	|	0.20
148.917	0.00	0.09	0.290	O	|	|	|	|	0.20
149.000	0.00	0.09	0.289	O	|	|	|	|	0.20
149.083	0.00	0.09	0.288	O	|	|	|	|	0.20
149.167	0.00	0.09	0.288	O	|	|	|	|	0.20
149.250	0.00	0.09	0.287	O	|	|	|	|	0.20
149.333	0.00	0.09	0.286	O	|	|	|	|	0.20
149.417	0.00	0.09	0.286	O	|	|	|	|	0.20
149.500	0.00	0.09	0.285	O	|	|	|	|	0.20
149.583	0.00	0.09	0.284	O	|	|	|	|	0.20
149.667	0.00	0.09	0.284	O	|	|	|	|	0.20
149.750	0.00	0.09	0.283	O	|	|	|	|	0.20
149.833	0.00	0.09	0.283	O	|	|	|	|	0.19
149.917	0.00	0.09	0.282	O	|	|	|	|	0.19
150.000	0.00	0.09	0.281	O	|	|	|	|	0.19
150.083	0.00	0.09	0.281	O	|	|	|	|	0.19
150.167	0.00	0.09	0.280	O	|	|	|	|	0.19
150.250	0.00	0.09	0.279	O	|	|	|	|	0.19
150.333	0.00	0.09	0.279	O	|	|	|	|	0.19
150.417	0.00	0.09	0.278	O	|	|	|	|	0.19
150.500	0.00	0.09	0.278	O	|	|	|	|	0.19
150.583	0.00	0.09	0.277	O	|	|	|	|	0.19
150.667	0.00	0.09	0.276	O	|	|	|	|	0.19
150.750	0.00	0.09	0.276	O	|	|	|	|	0.19
150.833	0.00	0.09	0.275	O	|	|	|	|	0.19

150.917	0.00	0.09	0.274	O	|	|	|	|	0.19
151.000	0.00	0.09	0.274	O	|	|	|	|	0.19
151.083	0.00	0.09	0.273	O	|	|	|	|	0.19
151.167	0.00	0.09	0.273	O	|	|	|	|	0.19
151.250	0.00	0.09	0.272	O	|	|	|	|	0.19
151.333	0.00	0.09	0.271	O	|	|	|	|	0.19
151.417	0.00	0.09	0.271	O	|	|	|	|	0.19
151.500	0.00	0.09	0.270	O	|	|	|	|	0.19
151.583	0.00	0.09	0.270	O	|	|	|	|	0.19
151.667	0.00	0.09	0.269	O	|	|	|	|	0.19
151.750	0.00	0.09	0.268	O	|	|	|	|	0.19
151.833	0.00	0.09	0.268	O	|	|	|	|	0.18
151.917	0.00	0.09	0.267	O	|	|	|	|	0.18
152.000	0.00	0.09	0.267	O	|	|	|	|	0.18
152.083	0.00	0.09	0.266	O	|	|	|	|	0.18
152.167	0.00	0.09	0.265	O	|	|	|	|	0.18
152.250	0.00	0.09	0.265	O	|	|	|	|	0.18
152.333	0.00	0.09	0.264	O	|	|	|	|	0.18
152.417	0.00	0.09	0.264	O	|	|	|	|	0.18
152.500	0.00	0.09	0.263	O	|	|	|	|	0.18
152.583	0.00	0.09	0.262	O	|	|	|	|	0.18
152.667	0.00	0.08	0.262	O	|	|	|	|	0.18
152.750	0.00	0.08	0.261	O	|	|	|	|	0.18
152.833	0.00	0.08	0.261	O	|	|	|	|	0.18
152.917	0.00	0.08	0.260	O	|	|	|	|	0.18
153.000	0.00	0.08	0.260	O	|	|	|	|	0.18
153.083	0.00	0.08	0.259	O	|	|	|	|	0.18
153.167	0.00	0.08	0.258	O	|	|	|	|	0.18
153.250	0.00	0.08	0.258	O	|	|	|	|	0.18
153.333	0.00	0.08	0.257	O	|	|	|	|	0.18
153.417	0.00	0.08	0.257	O	|	|	|	|	0.18
153.500	0.00	0.08	0.256	O	|	|	|	|	0.18
153.583	0.00	0.08	0.256	O	|	|	|	|	0.18
153.667	0.00	0.08	0.255	O	|	|	|	|	0.18
153.750	0.00	0.08	0.254	O	|	|	|	|	0.18
153.833	0.00	0.08	0.254	O	|	|	|	|	0.18
153.917	0.00	0.08	0.253	O	|	|	|	|	0.17
154.000	0.00	0.08	0.253	O	|	|	|	|	0.17
154.083	0.00	0.08	0.252	O	|	|	|	|	0.17
154.167	0.00	0.08	0.252	O	|	|	|	|	0.17
154.250	0.00	0.08	0.251	O	|	|	|	|	0.17
154.333	0.00	0.08	0.250	O	|	|	|	|	0.17
154.417	0.00	0.08	0.250	O	|	|	|	|	0.17
154.500	0.00	0.08	0.249	O	|	|	|	|	0.17
154.583	0.00	0.08	0.249	O	|	|	|	|	0.17
154.667	0.00	0.08	0.248	O	|	|	|	|	0.17
154.750	0.00	0.08	0.248	O	|	|	|	|	0.17
154.833	0.00	0.08	0.247	O	|	|	|	|	0.17
154.917	0.00	0.08	0.247	O	|	|	|	|	0.17
155.000	0.00	0.08	0.246	O	|	|	|	|	0.17
155.083	0.00	0.08	0.245	O	|	|	|	|	0.17
155.167	0.00	0.08	0.245	O	|	|	|	|	0.17
155.250	0.00	0.08	0.244	O	|	|	|	|	0.17
155.333	0.00	0.08	0.244	O	|	|	|	|	0.17
155.417	0.00	0.08	0.243	O	|	|	|	|	0.17
155.500	0.00	0.08	0.243	O	|	|	|	|	0.17
155.583	0.00	0.08	0.242	O	|	|	|	|	0.17
155.667	0.00	0.08	0.242	O	|	|	|	|	0.17
155.750	0.00	0.08	0.241	O	|	|	|	|	0.17
155.833	0.00	0.08	0.241	O	|	|	|	|	0.17
155.917	0.00	0.08	0.240	O	|	|	|	|	0.17
156.000	0.00	0.08	0.239	O	|	|	|	|	0.17
156.083	0.00	0.08	0.239	O	|	|	|	|	0.16
156.167	0.00	0.08	0.238	O	|	|	|	|	0.16
156.250	0.00	0.08	0.238	O	|	|	|	|	0.16
156.333	0.00	0.08	0.237	O	|	|	|	|	0.16
156.417	0.00	0.08	0.237	O	|	|	|	|	0.16

156.500	0.00	0.08	0.236	O	|	|	|	0.16
156.583	0.00	0.08	0.236	O	|	|	|	0.16
156.667	0.00	0.08	0.235	O	|	|	|	0.16
156.750	0.00	0.08	0.235	O	|	|	|	0.16
156.833	0.00	0.08	0.234	O	|	|	|	0.16
156.917	0.00	0.08	0.234	O	|	|	|	0.16
157.000	0.00	0.08	0.233	O	|	|	|	0.16
157.083	0.00	0.08	0.233	O	|	|	|	0.16
157.167	0.00	0.08	0.232	O	|	|	|	0.16
157.250	0.00	0.08	0.232	O	|	|	|	0.16
157.333	0.00	0.07	0.231	O	|	|	|	0.16
157.417	0.00	0.07	0.231	O	|	|	|	0.16
157.500	0.00	0.07	0.230	O	|	|	|	0.16
157.583	0.00	0.07	0.230	O	|	|	|	0.16
157.667	0.00	0.07	0.229	O	|	|	|	0.16
157.750	0.00	0.07	0.229	O	|	|	|	0.16
157.833	0.00	0.07	0.228	O	|	|	|	0.16
157.917	0.00	0.07	0.228	O	|	|	|	0.16
158.000	0.00	0.07	0.227	O	|	|	|	0.16
158.083	0.00	0.07	0.226	O	|	|	|	0.16
158.167	0.00	0.07	0.226	O	|	|	|	0.16
158.250	0.00	0.07	0.225	O	|	|	|	0.16
158.333	0.00	0.07	0.225	O	|	|	|	0.16
158.417	0.00	0.07	0.224	O	|	|	|	0.15
158.500	0.00	0.07	0.224	O	|	|	|	0.15
158.583	0.00	0.07	0.223	O	|	|	|	0.15
158.667	0.00	0.07	0.223	O	|	|	|	0.15
158.750	0.00	0.07	0.222	O	|	|	|	0.15
158.833	0.00	0.07	0.222	O	|	|	|	0.15
158.917	0.00	0.07	0.221	O	|	|	|	0.15
159.000	0.00	0.07	0.221	O	|	|	|	0.15
159.083	0.00	0.07	0.221	O	|	|	|	0.15
159.167	0.00	0.07	0.220	O	|	|	|	0.15
159.250	0.00	0.07	0.220	O	|	|	|	0.15
159.333	0.00	0.07	0.219	O	|	|	|	0.15
159.417	0.00	0.07	0.219	O	|	|	|	0.15
159.500	0.00	0.07	0.218	O	|	|	|	0.15
159.583	0.00	0.07	0.218	O	|	|	|	0.15
159.667	0.00	0.07	0.217	O	|	|	|	0.15
159.750	0.00	0.07	0.217	O	|	|	|	0.15
159.833	0.00	0.07	0.216	O	|	|	|	0.15
159.917	0.00	0.07	0.216	O	|	|	|	0.15
160.000	0.00	0.07	0.215	O	|	|	|	0.15
160.083	0.00	0.07	0.215	O	|	|	|	0.15
160.167	0.00	0.07	0.214	O	|	|	|	0.15
160.250	0.00	0.07	0.214	O	|	|	|	0.15
160.333	0.00	0.07	0.213	O	|	|	|	0.15
160.417	0.00	0.07	0.213	O	|	|	|	0.15
160.500	0.00	0.07	0.212	O	|	|	|	0.15
160.583	0.00	0.07	0.212	O	|	|	|	0.15
160.667	0.00	0.07	0.211	O	|	|	|	0.15
160.750	0.00	0.07	0.211	O	|	|	|	0.15
160.833	0.00	0.07	0.210	O	|	|	|	0.15
160.917	0.00	0.07	0.210	O	|	|	|	0.14
161.000	0.00	0.07	0.209	O	|	|	|	0.14
161.083	0.00	0.07	0.209	O	|	|	|	0.14
161.167	0.00	0.07	0.209	O	|	|	|	0.14
161.250	0.00	0.07	0.208	O	|	|	|	0.14
161.333	0.00	0.07	0.208	O	|	|	|	0.14
161.417	0.00	0.07	0.207	O	|	|	|	0.14
161.500	0.00	0.07	0.207	O	|	|	|	0.14
161.583	0.00	0.07	0.206	O	|	|	|	0.14
161.667	0.00	0.07	0.206	O	|	|	|	0.14
161.750	0.00	0.07	0.205	O	|	|	|	0.14
161.833	0.00	0.07	0.205	O	|	|	|	0.14
161.917	0.00	0.07	0.204	O	|	|	|	0.14
162.000	0.00	0.07	0.204	O	|	|	|	0.14

162.083	0.00	0.07	0.203	O	|	|	|	|	0.14
162.167	0.00	0.07	0.203	O	|	|	|	|	0.14
162.250	0.00	0.07	0.203	O	|	|	|	|	0.14
162.333	0.00	0.07	0.202	O	|	|	|	|	0.14
162.417	0.00	0.07	0.202	O	|	|	|	|	0.14
162.500	0.00	0.07	0.201	O	|	|	|	|	0.14
162.583	0.00	0.07	0.201	O	|	|	|	|	0.14
162.667	0.00	0.06	0.200	O	|	|	|	|	0.14
162.750	0.00	0.06	0.200	O	|	|	|	|	0.14
162.833	0.00	0.06	0.199	O	|	|	|	|	0.14
162.917	0.00	0.06	0.199	O	|	|	|	|	0.14
163.000	0.00	0.06	0.199	O	|	|	|	|	0.14
163.083	0.00	0.06	0.198	O	|	|	|	|	0.14
163.167	0.00	0.06	0.198	O	|	|	|	|	0.14
163.250	0.00	0.06	0.197	O	|	|	|	|	0.14
163.333	0.00	0.06	0.197	O	|	|	|	|	0.14
163.417	0.00	0.06	0.196	O	|	|	|	|	0.14
163.500	0.00	0.06	0.196	O	|	|	|	|	0.14
163.583	0.00	0.06	0.195	O	|	|	|	|	0.13
163.667	0.00	0.06	0.195	O	|	|	|	|	0.13
163.750	0.00	0.06	0.195	O	|	|	|	|	0.13
163.833	0.00	0.06	0.194	O	|	|	|	|	0.13
163.917	0.00	0.06	0.194	O	|	|	|	|	0.13
164.000	0.00	0.06	0.193	O	|	|	|	|	0.13
164.083	0.00	0.06	0.193	O	|	|	|	|	0.13
164.167	0.00	0.06	0.192	O	|	|	|	|	0.13
164.250	0.00	0.06	0.192	O	|	|	|	|	0.13
164.333	0.00	0.06	0.192	O	|	|	|	|	0.13
164.417	0.00	0.06	0.191	O	|	|	|	|	0.13
164.500	0.00	0.06	0.191	O	|	|	|	|	0.13
164.583	0.00	0.06	0.190	O	|	|	|	|	0.13
164.667	0.00	0.06	0.190	O	|	|	|	|	0.13
164.750	0.00	0.06	0.189	O	|	|	|	|	0.13
164.833	0.00	0.06	0.189	O	|	|	|	|	0.13
164.917	0.00	0.06	0.189	O	|	|	|	|	0.13
165.000	0.00	0.06	0.188	O	|	|	|	|	0.13
165.083	0.00	0.06	0.188	O	|	|	|	|	0.13
165.167	0.00	0.06	0.187	O	|	|	|	|	0.13
165.250	0.00	0.06	0.187	O	|	|	|	|	0.13
165.333	0.00	0.06	0.187	O	|	|	|	|	0.13
165.417	0.00	0.06	0.186	O	|	|	|	|	0.13
165.500	0.00	0.06	0.186	O	|	|	|	|	0.13
165.583	0.00	0.06	0.185	O	|	|	|	|	0.13
165.667	0.00	0.06	0.185	O	|	|	|	|	0.13
165.750	0.00	0.06	0.184	O	|	|	|	|	0.13
165.833	0.00	0.06	0.184	O	|	|	|	|	0.13
165.917	0.00	0.06	0.184	O	|	|	|	|	0.13
166.000	0.00	0.06	0.183	O	|	|	|	|	0.13
166.083	0.00	0.06	0.183	O	|	|	|	|	0.13
166.167	0.00	0.06	0.182	O	|	|	|	|	0.13
166.250	0.00	0.06	0.182	O	|	|	|	|	0.13
166.333	0.00	0.06	0.182	O	|	|	|	|	0.13
166.417	0.00	0.06	0.181	O	|	|	|	|	0.12
166.500	0.00	0.06	0.181	O	|	|	|	|	0.12
166.583	0.00	0.06	0.180	O	|	|	|	|	0.12
166.667	0.00	0.06	0.180	O	|	|	|	|	0.12
166.750	0.00	0.06	0.180	O	|	|	|	|	0.12
166.833	0.00	0.06	0.179	O	|	|	|	|	0.12
166.917	0.00	0.06	0.179	O	|	|	|	|	0.12
167.000	0.00	0.06	0.178	O	|	|	|	|	0.12
167.083	0.00	0.06	0.178	O	|	|	|	|	0.12
167.167	0.00	0.06	0.178	O	|	|	|	|	0.12
167.250	0.00	0.06	0.177	O	|	|	|	|	0.12
167.333	0.00	0.06	0.177	O	|	|	|	|	0.12
167.417	0.00	0.06	0.176	O	|	|	|	|	0.12
167.500	0.00	0.06	0.176	O	|	|	|	|	0.12
167.583	0.00	0.06	0.176	O	|	|	|	|	0.12

167.667	0.00	0.06	0.175	O	|	|	|	| 0.12
167.750	0.00	0.06	0.175	O	|	|	|	| 0.12
167.833	0.00	0.06	0.174	O	|	|	|	| 0.12
167.917	0.00	0.06	0.174	O	|	|	|	| 0.12
168.000	0.00	0.06	0.174	O	|	|	|	| 0.12
168.083	0.00	0.06	0.173	O	|	|	|	| 0.12
168.167	0.00	0.06	0.173	O	|	|	|	| 0.12
168.250	0.00	0.06	0.172	O	|	|	|	| 0.12
168.333	0.00	0.06	0.172	O	|	|	|	| 0.12
168.417	0.00	0.06	0.172	O	|	|	|	| 0.12
168.500	0.00	0.06	0.171	O	|	|	|	| 0.12
168.583	0.00	0.06	0.171	O	|	|	|	| 0.12
168.667	0.00	0.06	0.171	O	|	|	|	| 0.12
168.750	0.00	0.06	0.170	O	|	|	|	| 0.12
168.833	0.00	0.06	0.170	O	|	|	|	| 0.12
168.917	0.00	0.05	0.169	O	|	|	|	| 0.12
169.000	0.00	0.05	0.169	O	|	|	|	| 0.12
169.083	0.00	0.05	0.169	O	|	|	|	| 0.12
169.167	0.00	0.05	0.168	O	|	|	|	| 0.12
169.250	0.00	0.05	0.168	O	|	|	|	| 0.12
169.333	0.00	0.05	0.168	O	|	|	|	| 0.12
169.417	0.00	0.05	0.167	O	|	|	|	| 0.12
169.500	0.00	0.05	0.167	O	|	|	|	| 0.12
169.583	0.00	0.05	0.166	O	|	|	|	| 0.11
169.667	0.00	0.05	0.166	O	|	|	|	| 0.11
169.750	0.00	0.05	0.166	O	|	|	|	| 0.11
169.833	0.00	0.05	0.165	O	|	|	|	| 0.11
169.917	0.00	0.05	0.165	O	|	|	|	| 0.11
170.000	0.00	0.05	0.165	O	|	|	|	| 0.11
170.083	0.00	0.05	0.164	O	|	|	|	| 0.11
170.167	0.00	0.05	0.164	O	|	|	|	| 0.11
170.250	0.00	0.05	0.163	O	|	|	|	| 0.11
170.333	0.00	0.05	0.163	O	|	|	|	| 0.11
170.417	0.00	0.05	0.163	O	|	|	|	| 0.11
170.500	0.00	0.05	0.162	O	|	|	|	| 0.11
170.583	0.00	0.05	0.162	O	|	|	|	| 0.11
170.667	0.00	0.05	0.162	O	|	|	|	| 0.11
170.750	0.00	0.05	0.161	O	|	|	|	| 0.11
170.833	0.00	0.05	0.161	O	|	|	|	| 0.11
170.917	0.00	0.05	0.161	O	|	|	|	| 0.11
171.000	0.00	0.05	0.160	O	|	|	|	| 0.11
171.083	0.00	0.05	0.160	O	|	|	|	| 0.11
171.167	0.00	0.05	0.160	O	|	|	|	| 0.11
171.250	0.00	0.05	0.159	O	|	|	|	| 0.11
171.333	0.00	0.05	0.159	O	|	|	|	| 0.11
171.417	0.00	0.05	0.158	O	|	|	|	| 0.11
171.500	0.00	0.05	0.158	O	|	|	|	| 0.11
171.583	0.00	0.05	0.158	O	|	|	|	| 0.11
171.667	0.00	0.05	0.157	O	|	|	|	| 0.11
171.750	0.00	0.05	0.157	O	|	|	|	| 0.11
171.833	0.00	0.05	0.157	O	|	|	|	| 0.11
171.917	0.00	0.05	0.156	O	|	|	|	| 0.11
172.000	0.00	0.05	0.156	O	|	|	|	| 0.11
172.083	0.00	0.05	0.156	O	|	|	|	| 0.11
172.167	0.00	0.05	0.155	O	|	|	|	| 0.11
172.250	0.00	0.05	0.155	O	|	|	|	| 0.11
172.333	0.00	0.05	0.155	O	|	|	|	| 0.11
172.417	0.00	0.05	0.154	O	|	|	|	| 0.11
172.500	0.00	0.05	0.154	O	|	|	|	| 0.11
172.583	0.00	0.05	0.154	O	|	|	|	| 0.11
172.667	0.00	0.05	0.153	O	|	|	|	| 0.11
172.750	0.00	0.05	0.153	O	|	|	|	| 0.11
172.833	0.00	0.05	0.153	O	|	|	|	| 0.11
172.917	0.00	0.05	0.152	O	|	|	|	| 0.10
173.000	0.00	0.05	0.152	O	|	|	|	| 0.10
173.083	0.00	0.05	0.152	O	|	|	|	| 0.10
173.167	0.00	0.05	0.151	O	|	|	|	| 0.10

173.250	0.00	0.05	0.151	O	|	|	|	0.10
173.333	0.00	0.05	0.151	O	|	|	|	0.10
173.417	0.00	0.05	0.150	O	|	|	|	0.10
173.500	0.00	0.05	0.150	O	|	|	|	0.10
173.583	0.00	0.05	0.150	O	|	|	|	0.10
173.667	0.00	0.05	0.149	O	|	|	|	0.10
173.750	0.00	0.05	0.149	O	|	|	|	0.10
173.833	0.00	0.05	0.149	O	|	|	|	0.10
173.917	0.00	0.05	0.148	O	|	|	|	0.10
174.000	0.00	0.05	0.148	O	|	|	|	0.10
174.083	0.00	0.05	0.148	O	|	|	|	0.10
174.167	0.00	0.05	0.147	O	|	|	|	0.10
174.250	0.00	0.05	0.147	O	|	|	|	0.10
174.333	0.00	0.05	0.147	O	|	|	|	0.10
174.417	0.00	0.05	0.146	O	|	|	|	0.10
174.500	0.00	0.05	0.146	O	|	|	|	0.10
174.583	0.00	0.05	0.146	O	|	|	|	0.10
174.667	0.00	0.05	0.145	O	|	|	|	0.10
174.750	0.00	0.05	0.145	O	|	|	|	0.10
174.833	0.00	0.05	0.145	O	|	|	|	0.10
174.917	0.00	0.05	0.144	O	|	|	|	0.10
175.000	0.00	0.05	0.144	O	|	|	|	0.10
175.083	0.00	0.05	0.144	O	|	|	|	0.10
175.167	0.00	0.05	0.143	O	|	|	|	0.10
175.250	0.00	0.05	0.143	O	|	|	|	0.10
175.333	0.00	0.05	0.143	O	|	|	|	0.10
175.417	0.00	0.05	0.142	O	|	|	|	0.10
175.500	0.00	0.05	0.142	O	|	|	|	0.10
175.583	0.00	0.05	0.142	O	|	|	|	0.10
175.667	0.00	0.05	0.141	O	|	|	|	0.10
175.750	0.00	0.05	0.141	O	|	|	|	0.10
175.833	0.00	0.05	0.141	O	|	|	|	0.10
175.917	0.00	0.05	0.140	O	|	|	|	0.10
176.000	0.00	0.05	0.140	O	|	|	|	0.10
176.083	0.00	0.05	0.140	O	|	|	|	0.10
176.167	0.00	0.05	0.140	O	|	|	|	0.10
176.250	0.00	0.05	0.139	O	|	|	|	0.10
176.333	0.00	0.05	0.139	O	|	|	|	0.10
176.417	0.00	0.04	0.139	O	|	|	|	0.10
176.500	0.00	0.04	0.138	O	|	|	|	0.10
176.583	0.00	0.04	0.138	O	|	|	|	0.10
176.667	0.00	0.04	0.138	O	|	|	|	0.09
176.750	0.00	0.04	0.137	O	|	|	|	0.09
176.833	0.00	0.04	0.137	O	|	|	|	0.09
176.917	0.00	0.04	0.137	O	|	|	|	0.09
177.000	0.00	0.04	0.136	O	|	|	|	0.09
177.083	0.00	0.04	0.136	O	|	|	|	0.09
177.167	0.00	0.04	0.136	O	|	|	|	0.09
177.250	0.00	0.04	0.136	O	|	|	|	0.09
177.333	0.00	0.04	0.135	O	|	|	|	0.09
177.417	0.00	0.04	0.135	O	|	|	|	0.09
177.500	0.00	0.04	0.135	O	|	|	|	0.09
177.583	0.00	0.04	0.134	O	|	|	|	0.09
177.667	0.00	0.04	0.134	O	|	|	|	0.09
177.750	0.00	0.04	0.134	O	|	|	|	0.09
177.833	0.00	0.04	0.133	O	|	|	|	0.09
177.917	0.00	0.04	0.133	O	|	|	|	0.09
178.000	0.00	0.04	0.133	O	|	|	|	0.09
178.083	0.00	0.04	0.133	O	|	|	|	0.09
178.167	0.00	0.04	0.132	O	|	|	|	0.09
178.250	0.00	0.04	0.132	O	|	|	|	0.09
178.333	0.00	0.04	0.132	O	|	|	|	0.09
178.417	0.00	0.04	0.131	O	|	|	|	0.09
178.500	0.00	0.04	0.131	O	|	|	|	0.09
178.583	0.00	0.04	0.131	O	|	|	|	0.09
178.667	0.00	0.04	0.130	O	|	|	|	0.09
178.750	0.00	0.04	0.130	O	|	|	|	0.09

178.833	0.00	0.04	0.130	O	|	|	|	0.09
178.917	0.00	0.04	0.130	O	|	|	|	0.09
179.000	0.00	0.04	0.129	O	|	|	|	0.09
179.083	0.00	0.04	0.129	O	|	|	|	0.09
179.167	0.00	0.04	0.129	O	|	|	|	0.09
179.250	0.00	0.04	0.128	O	|	|	|	0.09
179.333	0.00	0.04	0.128	O	|	|	|	0.09
179.417	0.00	0.04	0.128	O	|	|	|	0.09
179.500	0.00	0.04	0.128	O	|	|	|	0.09
179.583	0.00	0.04	0.127	O	|	|	|	0.09
179.667	0.00	0.04	0.127	O	|	|	|	0.09
179.750	0.00	0.04	0.127	O	|	|	|	0.09
179.833	0.00	0.04	0.126	O	|	|	|	0.09
179.917	0.00	0.04	0.126	O	|	|	|	0.09
180.000	0.00	0.04	0.126	O	|	|	|	0.09
180.083	0.00	0.04	0.126	O	|	|	|	0.09
180.167	0.00	0.04	0.125	O	|	|	|	0.09
180.250	0.00	0.04	0.125	O	|	|	|	0.09
180.333	0.00	0.04	0.125	O	|	|	|	0.09
180.417	0.00	0.04	0.125	O	|	|	|	0.09
180.500	0.00	0.04	0.124	O	|	|	|	0.09
180.583	0.00	0.04	0.124	O	|	|	|	0.09
180.667	0.00	0.04	0.124	O	|	|	|	0.09
180.750	0.00	0.04	0.123	O	|	|	|	0.09
180.833	0.00	0.04	0.123	O	|	|	|	0.08
180.917	0.00	0.04	0.123	O	|	|	|	0.08
181.000	0.00	0.04	0.123	O	|	|	|	0.08
181.083	0.00	0.04	0.122	O	|	|	|	0.08
181.167	0.00	0.04	0.122	O	|	|	|	0.08
181.250	0.00	0.04	0.122	O	|	|	|	0.08
181.333	0.00	0.04	0.121	O	|	|	|	0.08
181.417	0.00	0.04	0.121	O	|	|	|	0.08
181.500	0.00	0.04	0.121	O	|	|	|	0.08
181.583	0.00	0.04	0.121	O	|	|	|	0.08
181.667	0.00	0.04	0.120	O	|	|	|	0.08
181.750	0.00	0.04	0.120	O	|	|	|	0.08
181.833	0.00	0.04	0.120	O	|	|	|	0.08
181.917	0.00	0.04	0.120	O	|	|	|	0.08
182.000	0.00	0.04	0.119	O	|	|	|	0.08
182.083	0.00	0.04	0.119	O	|	|	|	0.08
182.167	0.00	0.04	0.119	O	|	|	|	0.08
182.250	0.00	0.04	0.119	O	|	|	|	0.08
182.333	0.00	0.04	0.118	O	|	|	|	0.08
182.417	0.00	0.04	0.118	O	|	|	|	0.08
182.500	0.00	0.04	0.118	O	|	|	|	0.08
182.583	0.00	0.04	0.117	O	|	|	|	0.08
182.667	0.00	0.04	0.117	O	|	|	|	0.08
182.750	0.00	0.04	0.117	O	|	|	|	0.08
182.833	0.00	0.04	0.117	O	|	|	|	0.08
182.917	0.00	0.04	0.116	O	|	|	|	0.08
183.000	0.00	0.04	0.116	O	|	|	|	0.08
183.083	0.00	0.04	0.116	O	|	|	|	0.08
183.167	0.00	0.04	0.116	O	|	|	|	0.08
183.250	0.00	0.04	0.115	O	|	|	|	0.08
183.333	0.00	0.04	0.115	O	|	|	|	0.08
183.417	0.00	0.04	0.115	O	|	|	|	0.08
183.500	0.00	0.04	0.115	O	|	|	|	0.08
183.583	0.00	0.04	0.114	O	|	|	|	0.08
183.667	0.00	0.04	0.114	O	|	|	|	0.08
183.750	0.00	0.04	0.114	O	|	|	|	0.08
183.833	0.00	0.04	0.114	O	|	|	|	0.08
183.917	0.00	0.04	0.113	O	|	|	|	0.08
184.000	0.00	0.04	0.113	O	|	|	|	0.08
184.083	0.00	0.04	0.113	O	|	|	|	0.08
184.167	0.00	0.04	0.113	O	|	|	|	0.08
184.250	0.00	0.04	0.112	O	|	|	|	0.08
184.333	0.00	0.04	0.112	O	|	|	|	0.08

184.417	0.00	0.04	0.112	O	|	|	|	0.08
184.500	0.00	0.04	0.112	O	|	|	|	0.08
184.583	0.00	0.04	0.111	O	|	|	|	0.08
184.667	0.00	0.04	0.111	O	|	|	|	0.08
184.750	0.00	0.04	0.111	O	|	|	|	0.08
184.833	0.00	0.04	0.111	O	|	|	|	0.08
184.917	0.00	0.04	0.110	O	|	|	|	0.08
185.000	0.00	0.04	0.110	O	|	|	|	0.08
185.083	0.00	0.04	0.110	O	|	|	|	0.08
185.167	0.00	0.04	0.110	O	|	|	|	0.08
185.250	0.00	0.04	0.109	O	|	|	|	0.08
185.333	0.00	0.04	0.109	O	|	|	|	0.08
185.417	0.00	0.04	0.109	O	|	|	|	0.08
185.500	0.00	0.04	0.109	O	|	|	|	0.07
185.583	0.00	0.04	0.108	O	|	|	|	0.07
185.667	0.00	0.04	0.108	O	|	|	|	0.07
185.750	0.00	0.03	0.108	O	|	|	|	0.07
185.833	0.00	0.03	0.108	O	|	|	|	0.07
185.917	0.00	0.03	0.107	O	|	|	|	0.07
186.000	0.00	0.03	0.107	O	|	|	|	0.07
186.083	0.00	0.03	0.107	O	|	|	|	0.07
186.167	0.00	0.03	0.107	O	|	|	|	0.07
186.250	0.00	0.03	0.107	O	|	|	|	0.07
186.333	0.00	0.03	0.106	O	|	|	|	0.07
186.417	0.00	0.03	0.106	O	|	|	|	0.07
186.500	0.00	0.03	0.106	O	|	|	|	0.07
186.583	0.00	0.03	0.106	O	|	|	|	0.07
186.667	0.00	0.03	0.105	O	|	|	|	0.07
186.750	0.00	0.03	0.105	O	|	|	|	0.07
186.833	0.00	0.03	0.105	O	|	|	|	0.07
186.917	0.00	0.03	0.105	O	|	|	|	0.07
187.000	0.00	0.03	0.104	O	|	|	|	0.07
187.083	0.00	0.03	0.104	O	|	|	|	0.07
187.167	0.00	0.03	0.104	O	|	|	|	0.07
187.250	0.00	0.03	0.104	O	|	|	|	0.07
187.333	0.00	0.03	0.103	O	|	|	|	0.07
187.417	0.00	0.03	0.103	O	|	|	|	0.07
187.500	0.00	0.03	0.103	O	|	|	|	0.07
187.583	0.00	0.03	0.103	O	|	|	|	0.07
187.667	0.00	0.03	0.103	O	|	|	|	0.07
187.750	0.00	0.03	0.102	O	|	|	|	0.07
187.833	0.00	0.03	0.102	O	|	|	|	0.07
187.917	0.00	0.03	0.102	O	|	|	|	0.07
188.000	0.00	0.03	0.102	O	|	|	|	0.07
188.083	0.00	0.03	0.101	O	|	|	|	0.07
188.167	0.00	0.03	0.101	O	|	|	|	0.07
188.250	0.00	0.03	0.101	O	|	|	|	0.07
188.333	0.00	0.03	0.101	O	|	|	|	0.07
188.417	0.00	0.03	0.100	O	|	|	|	0.07
188.500	0.00	0.03	0.100	O	|	|	|	0.07
188.583	0.00	0.03	0.100	O	|	|	|	0.07
188.667	0.00	0.03	0.100	O	|	|	|	0.07
188.750	0.00	0.03	0.100	O	|	|	|	0.07
188.833	0.00	0.03	0.099	O	|	|	|	0.07
188.917	0.00	0.03	0.099	O	|	|	|	0.07
189.000	0.00	0.03	0.099	O	|	|	|	0.07
189.083	0.00	0.03	0.099	O	|	|	|	0.07
189.167	0.00	0.03	0.098	O	|	|	|	0.07
189.250	0.00	0.03	0.098	O	|	|	|	0.07
189.333	0.00	0.03	0.098	O	|	|	|	0.07
189.417	0.00	0.03	0.098	O	|	|	|	0.07
189.500	0.00	0.03	0.098	O	|	|	|	0.07
189.583	0.00	0.03	0.097	O	|	|	|	0.07
189.667	0.00	0.03	0.097	O	|	|	|	0.07
189.750	0.00	0.03	0.097	O	|	|	|	0.07
189.833	0.00	0.03	0.097	O	|	|	|	0.07
189.917	0.00	0.03	0.097	O	|	|	|	0.07

190.000	0.00	0.03	0.096	O	|	|	|	| 0.07
190.083	0.00	0.03	0.096	O	|	|	|	| 0.07
190.167	0.00	0.03	0.096	O	|	|	|	| 0.07
190.250	0.00	0.03	0.096	O	|	|	|	| 0.07
190.333	0.00	0.03	0.095	O	|	|	|	| 0.07
190.417	0.00	0.03	0.095	O	|	|	|	| 0.07
190.500	0.00	0.03	0.095	O	|	|	|	| 0.07
190.583	0.00	0.03	0.095	O	|	|	|	| 0.07
190.667	0.00	0.03	0.095	O	|	|	|	| 0.07
190.750	0.00	0.03	0.094	O	|	|	|	| 0.07
190.833	0.00	0.03	0.094	O	|	|	|	| 0.06
190.917	0.00	0.03	0.094	O	|	|	|	| 0.06
191.000	0.00	0.03	0.094	O	|	|	|	| 0.06
191.083	0.00	0.03	0.094	O	|	|	|	| 0.06
191.167	0.00	0.03	0.093	O	|	|	|	| 0.06
191.250	0.00	0.03	0.093	O	|	|	|	| 0.06
191.333	0.00	0.03	0.093	O	|	|	|	| 0.06
191.417	0.00	0.03	0.093	O	|	|	|	| 0.06
191.500	0.00	0.03	0.093	O	|	|	|	| 0.06
191.583	0.00	0.03	0.092	O	|	|	|	| 0.06
191.667	0.00	0.03	0.092	O	|	|	|	| 0.06
191.750	0.00	0.03	0.092	O	|	|	|	| 0.06
191.833	0.00	0.03	0.092	O	|	|	|	| 0.06
191.917	0.00	0.03	0.092	O	|	|	|	| 0.06
192.000	0.00	0.03	0.091	O	|	|	|	| 0.06
192.083	0.00	0.03	0.091	O	|	|	|	| 0.06
192.167	0.00	0.03	0.091	O	|	|	|	| 0.06
192.250	0.00	0.03	0.091	O	|	|	|	| 0.06
192.333	0.00	0.03	0.090	O	|	|	|	| 0.06
192.417	0.00	0.03	0.090	O	|	|	|	| 0.06
192.500	0.00	0.03	0.090	O	|	|	|	| 0.06
192.583	0.00	0.03	0.090	O	|	|	|	| 0.06
192.667	0.00	0.03	0.090	O	|	|	|	| 0.06
192.750	0.00	0.03	0.089	O	|	|	|	| 0.06
192.833	0.00	0.03	0.089	O	|	|	|	| 0.06
192.917	0.00	0.03	0.089	O	|	|	|	| 0.06
193.000	0.00	0.03	0.089	O	|	|	|	| 0.06
193.083	0.00	0.03	0.089	O	|	|	|	| 0.06
193.167	0.00	0.03	0.088	O	|	|	|	| 0.06
193.250	0.00	0.03	0.088	O	|	|	|	| 0.06
193.333	0.00	0.03	0.088	O	|	|	|	| 0.06
193.417	0.00	0.03	0.088	O	|	|	|	| 0.06
193.500	0.00	0.03	0.088	O	|	|	|	| 0.06
193.583	0.00	0.03	0.088	O	|	|	|	| 0.06
193.667	0.00	0.03	0.087	O	|	|	|	| 0.06
193.750	0.00	0.03	0.087	O	|	|	|	| 0.06
193.833	0.00	0.03	0.087	O	|	|	|	| 0.06
193.917	0.00	0.03	0.087	O	|	|	|	| 0.06
194.000	0.00	0.03	0.087	O	|	|	|	| 0.06
194.083	0.00	0.03	0.086	O	|	|	|	| 0.06
194.167	0.00	0.03	0.086	O	|	|	|	| 0.06
194.250	0.00	0.03	0.086	O	|	|	|	| 0.06
194.333	0.00	0.03	0.086	O	|	|	|	| 0.06
194.417	0.00	0.03	0.086	O	|	|	|	| 0.06
194.500	0.00	0.03	0.085	O	|	|	|	| 0.06
194.583	0.00	0.03	0.085	O	|	|	|	| 0.06
194.667	0.00	0.03	0.085	O	|	|	|	| 0.06
194.750	0.00	0.03	0.085	O	|	|	|	| 0.06
194.833	0.00	0.03	0.085	O	|	|	|	| 0.06
194.917	0.00	0.03	0.084	O	|	|	|	| 0.06
195.000	0.00	0.03	0.084	O	|	|	|	| 0.06
195.083	0.00	0.03	0.084	O	|	|	|	| 0.06
195.167	0.00	0.03	0.084	O	|	|	|	| 0.06
195.250	0.00	0.03	0.084	O	|	|	|	| 0.06
195.333	0.00	0.03	0.083	O	|	|	|	| 0.06
195.417	0.00	0.03	0.083	O	|	|	|	| 0.06
195.500	0.00	0.03	0.083	O	|	|	|	| 0.06

195.583	0.00	0.03	0.083	O	|	|	|	0.06
195.667	0.00	0.03	0.083	O	|	|	|	0.06
195.750	0.00	0.03	0.083	O	|	|	|	0.06
195.833	0.00	0.03	0.082	O	|	|	|	0.06
195.917	0.00	0.03	0.082	O	|	|	|	0.06
196.000	0.00	0.03	0.082	O	|	|	|	0.06
196.083	0.00	0.03	0.082	O	|	|	|	0.06
196.167	0.00	0.03	0.082	O	|	|	|	0.06
196.250	0.00	0.03	0.081	O	|	|	|	0.06
196.333	0.00	0.03	0.081	O	|	|	|	0.06
196.417	0.00	0.03	0.081	O	|	|	|	0.06
196.500	0.00	0.03	0.081	O	|	|	|	0.06
196.583	0.00	0.03	0.081	O	|	|	|	0.06
196.667	0.00	0.03	0.081	O	|	|	|	0.06
196.750	0.00	0.03	0.080	O	|	|	|	0.06
196.833	0.00	0.03	0.080	O	|	|	|	0.06
196.917	0.00	0.03	0.080	O	|	|	|	0.06
197.000	0.00	0.03	0.080	O	|	|	|	0.06
197.083	0.00	0.03	0.080	O	|	|	|	0.05
197.167	0.00	0.03	0.079	O	|	|	|	0.05
197.250	0.00	0.03	0.079	O	|	|	|	0.05
197.333	0.00	0.03	0.079	O	|	|	|	0.05
197.417	0.00	0.03	0.079	O	|	|	|	0.05
197.500	0.00	0.03	0.079	O	|	|	|	0.05
197.583	0.00	0.03	0.079	O	|	|	|	0.05
197.667	0.00	0.03	0.078	O	|	|	|	0.05
197.750	0.00	0.03	0.078	O	|	|	|	0.05
197.833	0.00	0.03	0.078	O	|	|	|	0.05
197.917	0.00	0.03	0.078	O	|	|	|	0.05
198.000	0.00	0.03	0.078	O	|	|	|	0.05
198.083	0.00	0.03	0.078	O	|	|	|	0.05
198.167	0.00	0.03	0.077	O	|	|	|	0.05
198.250	0.00	0.03	0.077	O	|	|	|	0.05
198.333	0.00	0.02	0.077	O	|	|	|	0.05
198.417	0.00	0.02	0.077	O	|	|	|	0.05
198.500	0.00	0.02	0.077	O	|	|	|	0.05
198.583	0.00	0.02	0.077	O	|	|	|	0.05
198.667	0.00	0.02	0.076	O	|	|	|	0.05
198.750	0.00	0.02	0.076	O	|	|	|	0.05
198.833	0.00	0.02	0.076	O	|	|	|	0.05
198.917	0.00	0.02	0.076	O	|	|	|	0.05
199.000	0.00	0.02	0.076	O	|	|	|	0.05
199.083	0.00	0.02	0.076	O	|	|	|	0.05
199.167	0.00	0.02	0.075	O	|	|	|	0.05
199.250	0.00	0.02	0.075	O	|	|	|	0.05
199.333	0.00	0.02	0.075	O	|	|	|	0.05
199.417	0.00	0.02	0.075	O	|	|	|	0.05
199.500	0.00	0.02	0.075	O	|	|	|	0.05
199.583	0.00	0.02	0.075	O	|	|	|	0.05
199.667	0.00	0.02	0.074	O	|	|	|	0.05
199.750	0.00	0.02	0.074	O	|	|	|	0.05
199.833	0.00	0.02	0.074	O	|	|	|	0.05
199.917	0.00	0.02	0.074	O	|	|	|	0.05
200.000	0.00	0.02	0.074	O	|	|	|	0.05
200.083	0.00	0.02	0.074	O	|	|	|	0.05
200.167	0.00	0.02	0.073	O	|	|	|	0.05
200.250	0.00	0.02	0.073	O	|	|	|	0.05
200.333	0.00	0.02	0.073	O	|	|	|	0.05
200.417	0.00	0.02	0.073	O	|	|	|	0.05
200.500	0.00	0.02	0.073	O	|	|	|	0.05
200.583	0.00	0.02	0.073	O	|	|	|	0.05
200.667	0.00	0.02	0.072	O	|	|	|	0.05
200.750	0.00	0.02	0.072	O	|	|	|	0.05
200.833	0.00	0.02	0.072	O	|	|	|	0.05
200.917	0.00	0.02	0.072	O	|	|	|	0.05
201.000	0.00	0.02	0.072	O	|	|	|	0.05
201.083	0.00	0.02	0.072	O	|	|	|	0.05

201.167	0.00	0.02	0.071	O	|	|	|	|	0.05
201.250	0.00	0.02	0.071	O	|	|	|	|	0.05
201.333	0.00	0.02	0.071	O	|	|	|	|	0.05
201.417	0.00	0.02	0.071	O	|	|	|	|	0.05
201.500	0.00	0.02	0.071	O	|	|	|	|	0.05
201.583	0.00	0.02	0.071	O	|	|	|	|	0.05
201.667	0.00	0.02	0.070	O	|	|	|	|	0.05
201.750	0.00	0.02	0.070	O	|	|	|	|	0.05
201.833	0.00	0.02	0.070	O	|	|	|	|	0.05
201.917	0.00	0.02	0.070	O	|	|	|	|	0.05
202.000	0.00	0.02	0.070	O	|	|	|	|	0.05
202.083	0.00	0.02	0.070	O	|	|	|	|	0.05
202.167	0.00	0.02	0.070	O	|	|	|	|	0.05
202.250	0.00	0.02	0.069	O	|	|	|	|	0.05
202.333	0.00	0.02	0.069	O	|	|	|	|	0.05
202.417	0.00	0.02	0.069	O	|	|	|	|	0.05
202.500	0.00	0.02	0.069	O	|	|	|	|	0.05
202.583	0.00	0.02	0.069	O	|	|	|	|	0.05
202.667	0.00	0.02	0.069	O	|	|	|	|	0.05
202.750	0.00	0.02	0.068	O	|	|	|	|	0.05
202.833	0.00	0.02	0.068	O	|	|	|	|	0.05
202.917	0.00	0.02	0.068	O	|	|	|	|	0.05
203.000	0.00	0.02	0.068	O	|	|	|	|	0.05
203.083	0.00	0.02	0.068	O	|	|	|	|	0.05
203.167	0.00	0.02	0.068	O	|	|	|	|	0.05
203.250	0.00	0.02	0.068	O	|	|	|	|	0.05
203.333	0.00	0.02	0.067	O	|	|	|	|	0.05
203.417	0.00	0.02	0.067	O	|	|	|	|	0.05
203.500	0.00	0.02	0.067	O	|	|	|	|	0.05
203.583	0.00	0.02	0.067	O	|	|	|	|	0.05
203.667	0.00	0.02	0.067	O	|	|	|	|	0.05
203.750	0.00	0.02	0.067	O	|	|	|	|	0.05
203.833	0.00	0.02	0.066	O	|	|	|	|	0.05
203.917	0.00	0.02	0.066	O	|	|	|	|	0.05
204.000	0.00	0.02	0.066	O	|	|	|	|	0.05
204.083	0.00	0.02	0.066	O	|	|	|	|	0.05
204.167	0.00	0.02	0.066	O	|	|	|	|	0.05
204.250	0.00	0.02	0.066	O	|	|	|	|	0.05
204.333	0.00	0.02	0.066	O	|	|	|	|	0.05
204.417	0.00	0.02	0.065	O	|	|	|	|	0.05
204.500	0.00	0.02	0.065	O	|	|	|	|	0.05
204.583	0.00	0.02	0.065	O	|	|	|	|	0.04
204.667	0.00	0.02	0.065	O	|	|	|	|	0.04
204.750	0.00	0.02	0.065	O	|	|	|	|	0.04
204.833	0.00	0.02	0.065	O	|	|	|	|	0.04
204.917	0.00	0.02	0.065	O	|	|	|	|	0.04
205.000	0.00	0.02	0.064	O	|	|	|	|	0.04
205.083	0.00	0.02	0.064	O	|	|	|	|	0.04
205.167	0.00	0.02	0.064	O	|	|	|	|	0.04
205.250	0.00	0.02	0.064	O	|	|	|	|	0.04
205.333	0.00	0.02	0.064	O	|	|	|	|	0.04
205.417	0.00	0.02	0.064	O	|	|	|	|	0.04
205.500	0.00	0.02	0.064	O	|	|	|	|	0.04
205.583	0.00	0.02	0.063	O	|	|	|	|	0.04
205.667	0.00	0.02	0.063	O	|	|	|	|	0.04
205.750	0.00	0.02	0.063	O	|	|	|	|	0.04
205.833	0.00	0.02	0.063	O	|	|	|	|	0.04
205.917	0.00	0.02	0.063	O	|	|	|	|	0.04
206.000	0.00	0.02	0.063	O	|	|	|	|	0.04
206.083	0.00	0.02	0.063	O	|	|	|	|	0.04
206.167	0.00	0.02	0.062	O	|	|	|	|	0.04
206.250	0.00	0.02	0.062	O	|	|	|	|	0.04
206.333	0.00	0.02	0.062	O	|	|	|	|	0.04
206.417	0.00	0.02	0.062	O	|	|	|	|	0.04
206.500	0.00	0.02	0.062	O	|	|	|	|	0.04
206.583	0.00	0.02	0.062	O	|	|	|	|	0.04
206.667	0.00	0.02	0.062	O	|	|	|	|	0.04

206.750	0.00	0.02	0.061	O	|	|	|	|	0.04
206.833	0.00	0.02	0.061	O	|	|	|	|	0.04
206.917	0.00	0.02	0.061	O	|	|	|	|	0.04
207.000	0.00	0.02	0.061	O	|	|	|	|	0.04
207.083	0.00	0.02	0.061	O	|	|	|	|	0.04
207.167	0.00	0.02	0.061	O	|	|	|	|	0.04
207.250	0.00	0.02	0.061	O	|	|	|	|	0.04
207.333	0.00	0.02	0.061	O	|	|	|	|	0.04
207.417	0.00	0.02	0.060	O	|	|	|	|	0.04
207.500	0.00	0.02	0.060	O	|	|	|	|	0.04
207.583	0.00	0.02	0.060	O	|	|	|	|	0.04
207.667	0.00	0.02	0.060	O	|	|	|	|	0.04
207.750	0.00	0.02	0.060	O	|	|	|	|	0.04
207.833	0.00	0.02	0.060	O	|	|	|	|	0.04
207.917	0.00	0.02	0.060	O	|	|	|	|	0.04
208.000	0.00	0.02	0.059	O	|	|	|	|	0.04
208.083	0.00	0.02	0.059	O	|	|	|	|	0.04
208.167	0.00	0.02	0.059	O	|	|	|	|	0.04
208.250	0.00	0.02	0.059	O	|	|	|	|	0.04
208.333	0.00	0.02	0.059	O	|	|	|	|	0.04
208.417	0.00	0.02	0.059	O	|	|	|	|	0.04
208.500	0.00	0.02	0.059	O	|	|	|	|	0.04
208.583	0.00	0.02	0.059	O	|	|	|	|	0.04
208.667	0.00	0.02	0.058	O	|	|	|	|	0.04
208.750	0.00	0.02	0.058	O	|	|	|	|	0.04
208.833	0.00	0.02	0.058	O	|	|	|	|	0.04
208.917	0.00	0.02	0.058	O	|	|	|	|	0.04
209.000	0.00	0.02	0.058	O	|	|	|	|	0.04
209.083	0.00	0.02	0.058	O	|	|	|	|	0.04
209.167	0.00	0.02	0.058	O	|	|	|	|	0.04
209.250	0.00	0.02	0.058	O	|	|	|	|	0.04
209.333	0.00	0.02	0.057	O	|	|	|	|	0.04
209.417	0.00	0.02	0.057	O	|	|	|	|	0.04
209.500	0.00	0.02	0.057	O	|	|	|	|	0.04
209.583	0.00	0.02	0.057	O	|	|	|	|	0.04
209.667	0.00	0.02	0.057	O	|	|	|	|	0.04
209.750	0.00	0.02	0.057	O	|	|	|	|	0.04
209.833	0.00	0.02	0.057	O	|	|	|	|	0.04
209.917	0.00	0.02	0.056	O	|	|	|	|	0.04
210.000	0.00	0.02	0.056	O	|	|	|	|	0.04
210.083	0.00	0.02	0.056	O	|	|	|	|	0.04
210.167	0.00	0.02	0.056	O	|	|	|	|	0.04
210.250	0.00	0.02	0.056	O	|	|	|	|	0.04
210.333	0.00	0.02	0.056	O	|	|	|	|	0.04
210.417	0.00	0.02	0.056	O	|	|	|	|	0.04
210.500	0.00	0.02	0.056	O	|	|	|	|	0.04
210.583	0.00	0.02	0.055	O	|	|	|	|	0.04
210.667	0.00	0.02	0.055	O	|	|	|	|	0.04
210.750	0.00	0.02	0.055	O	|	|	|	|	0.04
210.833	0.00	0.02	0.055	O	|	|	|	|	0.04
210.917	0.00	0.02	0.055	O	|	|	|	|	0.04
211.000	0.00	0.02	0.055	O	|	|	|	|	0.04
211.083	0.00	0.02	0.055	O	|	|	|	|	0.04
211.167	0.00	0.02	0.055	O	|	|	|	|	0.04
211.250	0.00	0.02	0.055	O	|	|	|	|	0.04
211.333	0.00	0.02	0.054	O	|	|	|	|	0.04
211.417	0.00	0.02	0.054	O	|	|	|	|	0.04
211.500	0.00	0.02	0.054	O	|	|	|	|	0.04
211.583	0.00	0.02	0.054	O	|	|	|	|	0.04
211.667	0.00	0.02	0.054	O	|	|	|	|	0.04
211.750	0.00	0.02	0.054	O	|	|	|	|	0.04
211.833	0.00	0.02	0.054	O	|	|	|	|	0.04
211.917	0.00	0.02	0.054	O	|	|	|	|	0.04
212.000	0.00	0.02	0.053	O	|	|	|	|	0.04
212.083	0.00	0.02	0.053	O	|	|	|	|	0.04
212.167	0.00	0.02	0.053	O	|	|	|	|	0.04
212.250	0.00	0.02	0.053	O	|	|	|	|	0.04

212.333	0.00	0.02	0.053	O	|	|	|	|	0.04
212.417	0.00	0.02	0.053	O	|	|	|	|	0.04
212.500	0.00	0.02	0.053	O	|	|	|	|	0.04
212.583	0.00	0.02	0.053	O	|	|	|	|	0.04
212.667	0.00	0.02	0.052	O	|	|	|	|	0.04
212.750	0.00	0.02	0.052	O	|	|	|	|	0.04
212.833	0.00	0.02	0.052	O	|	|	|	|	0.04
212.917	0.00	0.02	0.052	O	|	|	|	|	0.04
213.000	0.00	0.02	0.052	O	|	|	|	|	0.04
213.083	0.00	0.02	0.052	O	|	|	|	|	0.04
213.167	0.00	0.02	0.052	O	|	|	|	|	0.04
213.250	0.00	0.02	0.052	O	|	|	|	|	0.04
213.333	0.00	0.02	0.052	O	|	|	|	|	0.04
213.417	0.00	0.02	0.051	O	|	|	|	|	0.04
213.500	0.00	0.02	0.051	O	|	|	|	|	0.04
213.583	0.00	0.02	0.051	O	|	|	|	|	0.04
213.667	0.00	0.02	0.051	O	|	|	|	|	0.04
213.750	0.00	0.02	0.051	O	|	|	|	|	0.04
213.833	0.00	0.02	0.051	O	|	|	|	|	0.04
213.917	0.00	0.02	0.051	O	|	|	|	|	0.04
214.000	0.00	0.02	0.051	O	|	|	|	|	0.03
214.083	0.00	0.02	0.051	O	|	|	|	|	0.03
214.167	0.00	0.02	0.050	O	|	|	|	|	0.03
214.250	0.00	0.02	0.050	O	|	|	|	|	0.03
214.333	0.00	0.02	0.050	O	|	|	|	|	0.03
214.417	0.00	0.02	0.050	O	|	|	|	|	0.03
214.500	0.00	0.02	0.050	O	|	|	|	|	0.03
214.583	0.00	0.02	0.050	O	|	|	|	|	0.03
214.667	0.00	0.02	0.050	O	|	|	|	|	0.03
214.750	0.00	0.02	0.050	O	|	|	|	|	0.03
214.833	0.00	0.02	0.050	O	|	|	|	|	0.03
214.917	0.00	0.02	0.049	O	|	|	|	|	0.03
215.000	0.00	0.02	0.049	O	|	|	|	|	0.03
215.083	0.00	0.02	0.049	O	|	|	|	|	0.03
215.167	0.00	0.02	0.049	O	|	|	|	|	0.03
215.250	0.00	0.02	0.049	O	|	|	|	|	0.03
215.333	0.00	0.02	0.049	O	|	|	|	|	0.03
215.417	0.00	0.02	0.049	O	|	|	|	|	0.03
215.500	0.00	0.02	0.049	O	|	|	|	|	0.03
215.583	0.00	0.02	0.049	O	|	|	|	|	0.03
215.667	0.00	0.02	0.048	O	|	|	|	|	0.03
215.750	0.00	0.02	0.048	O	|	|	|	|	0.03
215.833	0.00	0.02	0.048	O	|	|	|	|	0.03
215.917	0.00	0.02	0.048	O	|	|	|	|	0.03
216.000	0.00	0.02	0.048	O	|	|	|	|	0.03
216.083	0.00	0.02	0.048	O	|	|	|	|	0.03
216.167	0.00	0.02	0.048	O	|	|	|	|	0.03
216.250	0.00	0.02	0.048	O	|	|	|	|	0.03
216.333	0.00	0.02	0.048	O	|	|	|	|	0.03
216.417	0.00	0.02	0.047	O	|	|	|	|	0.03
216.500	0.00	0.02	0.047	O	|	|	|	|	0.03
216.583	0.00	0.02	0.047	O	|	|	|	|	0.03
216.667	0.00	0.02	0.047	O	|	|	|	|	0.03
216.750	0.00	0.02	0.047	O	|	|	|	|	0.03
216.833	0.00	0.02	0.047	O	|	|	|	|	0.03
216.917	0.00	0.02	0.047	O	|	|	|	|	0.03
217.000	0.00	0.02	0.047	O	|	|	|	|	0.03
217.083	0.00	0.02	0.047	O	|	|	|	|	0.03
217.167	0.00	0.02	0.047	O	|	|	|	|	0.03
217.250	0.00	0.02	0.046	O	|	|	|	|	0.03
217.333	0.00	0.02	0.046	O	|	|	|	|	0.03
217.417	0.00	0.01	0.046	O	|	|	|	|	0.03
217.500	0.00	0.01	0.046	O	|	|	|	|	0.03
217.583	0.00	0.01	0.046	O	|	|	|	|	0.03
217.667	0.00	0.01	0.046	O	|	|	|	|	0.03
217.750	0.00	0.01	0.046	O	|	|	|	|	0.03
217.833	0.00	0.01	0.046	O	|	|	|	|	0.03

217.917	0.00	0.01	0.046	O	|	|	|	0.03
218.000	0.00	0.01	0.045	O	|	|	|	0.03
218.083	0.00	0.01	0.045	O	|	|	|	0.03
218.167	0.00	0.01	0.045	O	|	|	|	0.03
218.250	0.00	0.01	0.045	O	|	|	|	0.03
218.333	0.00	0.01	0.045	O	|	|	|	0.03
218.417	0.00	0.01	0.045	O	|	|	|	0.03
218.500	0.00	0.01	0.045	O	|	|	|	0.03
218.583	0.00	0.01	0.045	O	|	|	|	0.03
218.667	0.00	0.01	0.045	O	|	|	|	0.03
218.750	0.00	0.01	0.045	O	|	|	|	0.03
218.833	0.00	0.01	0.044	O	|	|	|	0.03
218.917	0.00	0.01	0.044	O	|	|	|	0.03
219.000	0.00	0.01	0.044	O	|	|	|	0.03
219.083	0.00	0.01	0.044	O	|	|	|	0.03
219.167	0.00	0.01	0.044	O	|	|	|	0.03
219.250	0.00	0.01	0.044	O	|	|	|	0.03
219.333	0.00	0.01	0.044	O	|	|	|	0.03
219.417	0.00	0.01	0.044	O	|	|	|	0.03
219.500	0.00	0.01	0.044	O	|	|	|	0.03
219.583	0.00	0.01	0.044	O	|	|	|	0.03
219.667	0.00	0.01	0.044	O	|	|	|	0.03
219.750	0.00	0.01	0.043	O	|	|	|	0.03
219.833	0.00	0.01	0.043	O	|	|	|	0.03
219.917	0.00	0.01	0.043	O	|	|	|	0.03
220.000	0.00	0.01	0.043	O	|	|	|	0.03
220.083	0.00	0.01	0.043	O	|	|	|	0.03
220.167	0.00	0.01	0.043	O	|	|	|	0.03
220.250	0.00	0.01	0.043	O	|	|	|	0.03
220.333	0.00	0.01	0.043	O	|	|	|	0.03
220.417	0.00	0.01	0.043	O	|	|	|	0.03
220.500	0.00	0.01	0.043	O	|	|	|	0.03
220.583	0.00	0.01	0.042	O	|	|	|	0.03
220.667	0.00	0.01	0.042	O	|	|	|	0.03
220.750	0.00	0.01	0.042	O	|	|	|	0.03
220.833	0.00	0.01	0.042	O	|	|	|	0.03
220.917	0.00	0.01	0.042	O	|	|	|	0.03
221.000	0.00	0.01	0.042	O	|	|	|	0.03
221.083	0.00	0.01	0.042	O	|	|	|	0.03
221.167	0.00	0.01	0.042	O	|	|	|	0.03
221.250	0.00	0.01	0.042	O	|	|	|	0.03
221.333	0.00	0.01	0.042	O	|	|	|	0.03
221.417	0.00	0.01	0.042	O	|	|	|	0.03
221.500	0.00	0.01	0.041	O	|	|	|	0.03
221.583	0.00	0.01	0.041	O	|	|	|	0.03
221.667	0.00	0.01	0.041	O	|	|	|	0.03
221.750	0.00	0.01	0.041	O	|	|	|	0.03
221.833	0.00	0.01	0.041	O	|	|	|	0.03
221.917	0.00	0.01	0.041	O	|	|	|	0.03
222.000	0.00	0.01	0.041	O	|	|	|	0.03
222.083	0.00	0.01	0.041	O	|	|	|	0.03
222.167	0.00	0.01	0.041	O	|	|	|	0.03
222.250	0.00	0.01	0.041	O	|	|	|	0.03
222.333	0.00	0.01	0.041	O	|	|	|	0.03
222.417	0.00	0.01	0.040	O	|	|	|	0.03
222.500	0.00	0.01	0.040	O	|	|	|	0.03
222.583	0.00	0.01	0.040	O	|	|	|	0.03
222.667	0.00	0.01	0.040	O	|	|	|	0.03
222.750	0.00	0.01	0.040	O	|	|	|	0.03
222.833	0.00	0.01	0.040	O	|	|	|	0.03
222.917	0.00	0.01	0.040	O	|	|	|	0.03
223.000	0.00	0.01	0.040	O	|	|	|	0.03
223.083	0.00	0.01	0.040	O	|	|	|	0.03
223.167	0.00	0.01	0.040	O	|	|	|	0.03
223.250	0.00	0.01	0.040	O	|	|	|	0.03
223.333	0.00	0.01	0.039	O	|	|	|	0.03
223.417	0.00	0.01	0.039	O	|	|	|	0.03

223.500	0.00	0.01	0.039	O	|	|	|	0.03
223.583	0.00	0.01	0.039	O	|	|	|	0.03
223.667	0.00	0.01	0.039	O	|	|	|	0.03
223.750	0.00	0.01	0.039	O	|	|	|	0.03
223.833	0.00	0.01	0.039	O	|	|	|	0.03
223.917	0.00	0.01	0.039	O	|	|	|	0.03
224.000	0.00	0.01	0.039	O	|	|	|	0.03
224.083	0.00	0.01	0.039	O	|	|	|	0.03
224.167	0.00	0.01	0.039	O	|	|	|	0.03
224.250	0.00	0.01	0.038	O	|	|	|	0.03
224.333	0.00	0.01	0.038	O	|	|	|	0.03
224.417	0.00	0.01	0.038	O	|	|	|	0.03
224.500	0.00	0.01	0.038	O	|	|	|	0.03
224.583	0.00	0.01	0.038	O	|	|	|	0.03
224.667	0.00	0.01	0.038	O	|	|	|	0.03
224.750	0.00	0.01	0.038	O	|	|	|	0.03
224.833	0.00	0.01	0.038	O	|	|	|	0.03
224.917	0.00	0.01	0.038	O	|	|	|	0.03
225.000	0.00	0.01	0.038	O	|	|	|	0.03
225.083	0.00	0.01	0.038	O	|	|	|	0.03
225.167	0.00	0.01	0.038	O	|	|	|	0.03
225.250	0.00	0.01	0.037	O	|	|	|	0.03
225.333	0.00	0.01	0.037	O	|	|	|	0.03
225.417	0.00	0.01	0.037	O	|	|	|	0.03
225.500	0.00	0.01	0.037	O	|	|	|	0.03
225.583	0.00	0.01	0.037	O	|	|	|	0.03
225.667	0.00	0.01	0.037	O	|	|	|	0.03
225.750	0.00	0.01	0.037	O	|	|	|	0.03
225.833	0.00	0.01	0.037	O	|	|	|	0.03
225.917	0.00	0.01	0.037	O	|	|	|	0.03
226.000	0.00	0.01	0.037	O	|	|	|	0.03
226.083	0.00	0.01	0.037	O	|	|	|	0.03
226.167	0.00	0.01	0.037	O	|	|	|	0.03
226.250	0.00	0.01	0.036	O	|	|	|	0.03
226.333	0.00	0.01	0.036	O	|	|	|	0.03
226.417	0.00	0.01	0.036	O	|	|	|	0.03
226.500	0.00	0.01	0.036	O	|	|	|	0.02
226.583	0.00	0.01	0.036	O	|	|	|	0.02
226.667	0.00	0.01	0.036	O	|	|	|	0.02
226.750	0.00	0.01	0.036	O	|	|	|	0.02
226.833	0.00	0.01	0.036	O	|	|	|	0.02
226.917	0.00	0.01	0.036	O	|	|	|	0.02
227.000	0.00	0.01	0.036	O	|	|	|	0.02
227.083	0.00	0.01	0.036	O	|	|	|	0.02
227.167	0.00	0.01	0.036	O	|	|	|	0.02
227.250	0.00	0.01	0.036	O	|	|	|	0.02
227.333	0.00	0.01	0.035	O	|	|	|	0.02
227.417	0.00	0.01	0.035	O	|	|	|	0.02
227.500	0.00	0.01	0.035	O	|	|	|	0.02
227.583	0.00	0.01	0.035	O	|	|	|	0.02
227.667	0.00	0.01	0.035	O	|	|	|	0.02
227.750	0.00	0.01	0.035	O	|	|	|	0.02
227.833	0.00	0.01	0.035	O	|	|	|	0.02
227.917	0.00	0.01	0.035	O	|	|	|	0.02
228.000	0.00	0.01	0.035	O	|	|	|	0.02
228.083	0.00	0.01	0.035	O	|	|	|	0.02
228.167	0.00	0.01	0.035	O	|	|	|	0.02
228.250	0.00	0.01	0.035	O	|	|	|	0.02
228.333	0.00	0.01	0.034	O	|	|	|	0.02
228.417	0.00	0.01	0.034	O	|	|	|	0.02
228.500	0.00	0.01	0.034	O	|	|	|	0.02
228.583	0.00	0.01	0.034	O	|	|	|	0.02
228.667	0.00	0.01	0.034	O	|	|	|	0.02
228.750	0.00	0.01	0.034	O	|	|	|	0.02
228.833	0.00	0.01	0.034	O	|	|	|	0.02
228.917	0.00	0.01	0.034	O	|	|	|	0.02
229.000	0.00	0.01	0.034	O	|	|	|	0.02

229.083	0.00	0.01	0.034	O	|	|	|	|	0.02
229.167	0.00	0.01	0.034	O	|	|	|	|	0.02
229.250	0.00	0.01	0.034	O	|	|	|	|	0.02
229.333	0.00	0.01	0.034	O	|	|	|	|	0.02
229.417	0.00	0.01	0.034	O	|	|	|	|	0.02
229.500	0.00	0.01	0.033	O	|	|	|	|	0.02
229.583	0.00	0.01	0.033	O	|	|	|	|	0.02
229.667	0.00	0.01	0.033	O	|	|	|	|	0.02
229.750	0.00	0.01	0.033	O	|	|	|	|	0.02
229.833	0.00	0.01	0.033	O	|	|	|	|	0.02
229.917	0.00	0.01	0.033	O	|	|	|	|	0.02
230.000	0.00	0.01	0.033	O	|	|	|	|	0.02
230.083	0.00	0.01	0.033	O	|	|	|	|	0.02
230.167	0.00	0.01	0.033	O	|	|	|	|	0.02
230.250	0.00	0.01	0.033	O	|	|	|	|	0.02
230.333	0.00	0.01	0.033	O	|	|	|	|	0.02
230.417	0.00	0.01	0.033	O	|	|	|	|	0.02
230.500	0.00	0.01	0.033	O	|	|	|	|	0.02
230.583	0.00	0.01	0.032	O	|	|	|	|	0.02
230.667	0.00	0.01	0.032	O	|	|	|	|	0.02
230.750	0.00	0.01	0.032	O	|	|	|	|	0.02
230.833	0.00	0.01	0.032	O	|	|	|	|	0.02
230.917	0.00	0.01	0.032	O	|	|	|	|	0.02
231.000	0.00	0.01	0.032	O	|	|	|	|	0.02
231.083	0.00	0.01	0.032	O	|	|	|	|	0.02
231.167	0.00	0.01	0.032	O	|	|	|	|	0.02
231.250	0.00	0.01	0.032	O	|	|	|	|	0.02
231.333	0.00	0.01	0.032	O	|	|	|	|	0.02
231.417	0.00	0.01	0.032	O	|	|	|	|	0.02
231.500	0.00	0.01	0.032	O	|	|	|	|	0.02
231.583	0.00	0.01	0.032	O	|	|	|	|	0.02
231.667	0.00	0.01	0.032	O	|	|	|	|	0.02
231.750	0.00	0.01	0.031	O	|	|	|	|	0.02
231.833	0.00	0.01	0.031	O	|	|	|	|	0.02
231.917	0.00	0.01	0.031	O	|	|	|	|	0.02
232.000	0.00	0.01	0.031	O	|	|	|	|	0.02
232.083	0.00	0.01	0.031	O	|	|	|	|	0.02
232.167	0.00	0.01	0.031	O	|	|	|	|	0.02
232.250	0.00	0.01	0.031	O	|	|	|	|	0.02
232.333	0.00	0.01	0.031	O	|	|	|	|	0.02
232.417	0.00	0.01	0.031	O	|	|	|	|	0.02
232.500	0.00	0.01	0.031	O	|	|	|	|	0.02
232.583	0.00	0.01	0.031	O	|	|	|	|	0.02
232.667	0.00	0.01	0.031	O	|	|	|	|	0.02
232.750	0.00	0.01	0.031	O	|	|	|	|	0.02
232.833	0.00	0.01	0.031	O	|	|	|	|	0.02
232.917	0.00	0.01	0.031	O	|	|	|	|	0.02
233.000	0.00	0.01	0.030	O	|	|	|	|	0.02
233.083	0.00	0.01	0.030	O	|	|	|	|	0.02
233.167	0.00	0.01	0.030	O	|	|	|	|	0.02
233.250	0.00	0.01	0.030	O	|	|	|	|	0.02
233.333	0.00	0.01	0.030	O	|	|	|	|	0.02
233.417	0.00	0.01	0.030	O	|	|	|	|	0.02
233.500	0.00	0.01	0.030	O	|	|	|	|	0.02
233.583	0.00	0.01	0.030	O	|	|	|	|	0.02
233.667	0.00	0.01	0.030	O	|	|	|	|	0.02
233.750	0.00	0.01	0.030	O	|	|	|	|	0.02
233.833	0.00	0.01	0.030	O	|	|	|	|	0.02
233.917	0.00	0.01	0.030	O	|	|	|	|	0.02
234.000	0.00	0.01	0.030	O	|	|	|	|	0.02
234.083	0.00	0.01	0.030	O	|	|	|	|	0.02
234.167	0.00	0.01	0.030	O	|	|	|	|	0.02
234.250	0.00	0.01	0.029	O	|	|	|	|	0.02
234.333	0.00	0.01	0.029	O	|	|	|	|	0.02
234.417	0.00	0.01	0.029	O	|	|	|	|	0.02
234.500	0.00	0.01	0.029	O	|	|	|	|	0.02
234.583	0.00	0.01	0.029	O	|	|	|	|	0.02

234.667	0.00	0.01	0.029	O	|	|	|	0.02
234.750	0.00	0.01	0.029	O	|	|	|	0.02
234.833	0.00	0.01	0.029	O	|	|	|	0.02
234.917	0.00	0.01	0.029	O	|	|	|	0.02
235.000	0.00	0.01	0.029	O	|	|	|	0.02
235.083	0.00	0.01	0.029	O	|	|	|	0.02
235.167	0.00	0.01	0.029	O	|	|	|	0.02
235.250	0.00	0.01	0.029	O	|	|	|	0.02
235.333	0.00	0.01	0.029	O	|	|	|	0.02
235.417	0.00	0.01	0.029	O	|	|	|	0.02
235.500	0.00	0.01	0.028	O	|	|	|	0.02
235.583	0.00	0.01	0.028	O	|	|	|	0.02
235.667	0.00	0.01	0.028	O	|	|	|	0.02
235.750	0.00	0.01	0.028	O	|	|	|	0.02
235.833	0.00	0.01	0.028	O	|	|	|	0.02
235.917	0.00	0.01	0.028	O	|	|	|	0.02
236.000	0.00	0.01	0.028	O	|	|	|	0.02
236.083	0.00	0.01	0.028	O	|	|	|	0.02
236.167	0.00	0.01	0.028	O	|	|	|	0.02
236.250	0.00	0.01	0.028	O	|	|	|	0.02
236.333	0.00	0.01	0.028	O	|	|	|	0.02
236.417	0.00	0.01	0.028	O	|	|	|	0.02
236.500	0.00	0.01	0.028	O	|	|	|	0.02
236.583	0.00	0.01	0.028	O	|	|	|	0.02
236.667	0.00	0.01	0.028	O	|	|	|	0.02
236.750	0.00	0.01	0.028	O	|	|	|	0.02
236.833	0.00	0.01	0.027	O	|	|	|	0.02
236.917	0.00	0.01	0.027	O	|	|	|	0.02
237.000	0.00	0.01	0.027	O	|	|	|	0.02
237.083	0.00	0.01	0.027	O	|	|	|	0.02
237.167	0.00	0.01	0.027	O	|	|	|	0.02
237.250	0.00	0.01	0.027	O	|	|	|	0.02
237.333	0.00	0.01	0.027	O	|	|	|	0.02
237.417	0.00	0.01	0.027	O	|	|	|	0.02
237.500	0.00	0.01	0.027	O	|	|	|	0.02
237.583	0.00	0.01	0.027	O	|	|	|	0.02
237.667	0.00	0.01	0.027	O	|	|	|	0.02
237.750	0.00	0.01	0.027	O	|	|	|	0.02
237.833	0.00	0.01	0.027	O	|	|	|	0.02
237.917	0.00	0.01	0.027	O	|	|	|	0.02
238.000	0.00	0.01	0.027	O	|	|	|	0.02
238.083	0.00	0.01	0.027	O	|	|	|	0.02
238.167	0.00	0.01	0.027	O	|	|	|	0.02
238.250	0.00	0.01	0.026	O	|	|	|	0.02
238.333	0.00	0.01	0.026	O	|	|	|	0.02
238.417	0.00	0.01	0.026	O	|	|	|	0.02
238.500	0.00	0.01	0.026	O	|	|	|	0.02
238.583	0.00	0.01	0.026	O	|	|	|	0.02
238.667	0.00	0.01	0.026	O	|	|	|	0.02
238.750	0.00	0.01	0.026	O	|	|	|	0.02
238.833	0.00	0.01	0.026	O	|	|	|	0.02
238.917	0.00	0.01	0.026	O	|	|	|	0.02
239.000	0.00	0.01	0.026	O	|	|	|	0.02
239.083	0.00	0.01	0.026	O	|	|	|	0.02
239.167	0.00	0.01	0.026	O	|	|	|	0.02
239.250	0.00	0.01	0.026	O	|	|	|	0.02
239.333	0.00	0.01	0.026	O	|	|	|	0.02
239.417	0.00	0.01	0.026	O	|	|	|	0.02
239.500	0.00	0.01	0.026	O	|	|	|	0.02
239.583	0.00	0.01	0.026	O	|	|	|	0.02
239.667	0.00	0.01	0.025	O	|	|	|	0.02
239.750	0.00	0.01	0.025	O	|	|	|	0.02
239.833	0.00	0.01	0.025	O	|	|	|	0.02
239.917	0.00	0.01	0.025	O	|	|	|	0.02
240.000	0.00	0.01	0.025	O	|	|	|	0.02
240.083	0.00	0.01	0.025	O	|	|	|	0.02
240.167	0.00	0.01	0.025	O	|	|	|	0.02

240.250	0.00	0.01	0.025	O	|	|	|	|	0.02
240.333	0.00	0.01	0.025	O	|	|	|	|	0.02
240.417	0.00	0.01	0.025	O	|	|	|	|	0.02
240.500	0.00	0.01	0.025	O	|	|	|	|	0.02
240.583	0.00	0.01	0.025	O	|	|	|	|	0.02
240.667	0.00	0.01	0.025	O	|	|	|	|	0.02
240.750	0.00	0.01	0.025	O	|	|	|	|	0.02
240.833	0.00	0.01	0.025	O	|	|	|	|	0.02
240.917	0.00	0.01	0.025	O	|	|	|	|	0.02
241.000	0.00	0.01	0.025	O	|	|	|	|	0.02
241.083	0.00	0.01	0.025	O	|	|	|	|	0.02
241.167	0.00	0.01	0.024	O	|	|	|	|	0.02
241.250	0.00	0.01	0.024	O	|	|	|	|	0.02
241.333	0.00	0.01	0.024	O	|	|	|	|	0.02
241.417	0.00	0.01	0.024	O	|	|	|	|	0.02
241.500	0.00	0.01	0.024	O	|	|	|	|	0.02
241.583	0.00	0.01	0.024	O	|	|	|	|	0.02
241.667	0.00	0.01	0.024	O	|	|	|	|	0.02
241.750	0.00	0.01	0.024	O	|	|	|	|	0.02
241.833	0.00	0.01	0.024	O	|	|	|	|	0.02
241.917	0.00	0.01	0.024	O	|	|	|	|	0.02
242.000	0.00	0.01	0.024	O	|	|	|	|	0.02
242.083	0.00	0.01	0.024	O	|	|	|	|	0.02
242.167	0.00	0.01	0.024	O	|	|	|	|	0.02
242.250	0.00	0.01	0.024	O	|	|	|	|	0.02
242.333	0.00	0.01	0.024	O	|	|	|	|	0.02
242.417	0.00	0.01	0.024	O	|	|	|	|	0.02
242.500	0.00	0.01	0.024	O	|	|	|	|	0.02
242.583	0.00	0.01	0.024	O	|	|	|	|	0.02
242.667	0.00	0.01	0.023	O	|	|	|	|	0.02
242.750	0.00	0.01	0.023	O	|	|	|	|	0.02
242.833	0.00	0.01	0.023	O	|	|	|	|	0.02
242.917	0.00	0.01	0.023	O	|	|	|	|	0.02
243.000	0.00	0.01	0.023	O	|	|	|	|	0.02
243.083	0.00	0.01	0.023	O	|	|	|	|	0.02
243.167	0.00	0.01	0.023	O	|	|	|	|	0.02
243.250	0.00	0.01	0.023	O	|	|	|	|	0.02
243.333	0.00	0.01	0.023	O	|	|	|	|	0.02
243.417	0.00	0.01	0.023	O	|	|	|	|	0.02
243.500	0.00	0.01	0.023	O	|	|	|	|	0.02
243.583	0.00	0.01	0.023	O	|	|	|	|	0.02
243.667	0.00	0.01	0.023	O	|	|	|	|	0.02
243.750	0.00	0.01	0.023	O	|	|	|	|	0.02
243.833	0.00	0.01	0.023	O	|	|	|	|	0.02
243.917	0.00	0.01	0.023	O	|	|	|	|	0.02
244.000	0.00	0.01	0.023	O	|	|	|	|	0.02
244.083	0.00	0.01	0.023	O	|	|	|	|	0.02
244.167	0.00	0.01	0.023	O	|	|	|	|	0.02
244.250	0.00	0.01	0.023	O	|	|	|	|	0.02
244.333	0.00	0.01	0.022	O	|	|	|	|	0.02
244.417	0.00	0.01	0.022	O	|	|	|	|	0.02
244.500	0.00	0.01	0.022	O	|	|	|	|	0.02
244.583	0.00	0.01	0.022	O	|	|	|	|	0.02
244.667	0.00	0.01	0.022	O	|	|	|	|	0.02
244.750	0.00	0.01	0.022	O	|	|	|	|	0.02
244.833	0.00	0.01	0.022	O	|	|	|	|	0.02
244.917	0.00	0.01	0.022	O	|	|	|	|	0.02
245.000	0.00	0.01	0.022	O	|	|	|	|	0.02
245.083	0.00	0.01	0.022	O	|	|	|	|	0.02
245.167	0.00	0.01	0.022	O	|	|	|	|	0.02
245.250	0.00	0.01	0.022	O	|	|	|	|	0.02
245.333	0.00	0.01	0.022	O	|	|	|	|	0.02
245.417	0.00	0.01	0.022	O	|	|	|	|	0.02
245.500	0.00	0.01	0.022	O	|	|	|	|	0.02
245.583	0.00	0.01	0.022	O	|	|	|	|	0.01
245.667	0.00	0.01	0.022	O	|	|	|	|	0.01
245.750	0.00	0.01	0.022	O	|	|	|	|	0.01

245.833	0.00	0.01	0.022	O	|	|	|	|	0.01
245.917	0.00	0.01	0.022	O	|	|	|	|	0.01
246.000	0.00	0.01	0.021	O	|	|	|	|	0.01
246.083	0.00	0.01	0.021	O	|	|	|	|	0.01
246.167	0.00	0.01	0.021	O	|	|	|	|	0.01
246.250	0.00	0.01	0.021	O	|	|	|	|	0.01
246.333	0.00	0.01	0.021	O	|	|	|	|	0.01
246.417	0.00	0.01	0.021	O	|	|	|	|	0.01
246.500	0.00	0.01	0.021	O	|	|	|	|	0.01
246.583	0.00	0.01	0.021	O	|	|	|	|	0.01
246.667	0.00	0.01	0.021	O	|	|	|	|	0.01
246.750	0.00	0.01	0.021	O	|	|	|	|	0.01
246.833	0.00	0.01	0.021	O	|	|	|	|	0.01
246.917	0.00	0.01	0.021	O	|	|	|	|	0.01
247.000	0.00	0.01	0.021	O	|	|	|	|	0.01
247.083	0.00	0.01	0.021	O	|	|	|	|	0.01
247.167	0.00	0.01	0.021	O	|	|	|	|	0.01
247.250	0.00	0.01	0.021	O	|	|	|	|	0.01
247.333	0.00	0.01	0.021	O	|	|	|	|	0.01
247.417	0.00	0.01	0.021	O	|	|	|	|	0.01
247.500	0.00	0.01	0.021	O	|	|	|	|	0.01
247.583	0.00	0.01	0.021	O	|	|	|	|	0.01
247.667	0.00	0.01	0.021	O	|	|	|	|	0.01
247.750	0.00	0.01	0.021	O	|	|	|	|	0.01
247.833	0.00	0.01	0.020	O	|	|	|	|	0.01
247.917	0.00	0.01	0.020	O	|	|	|	|	0.01
248.000	0.00	0.01	0.020	O	|	|	|	|	0.01
248.083	0.00	0.01	0.020	O	|	|	|	|	0.01
248.167	0.00	0.01	0.020	O	|	|	|	|	0.01
248.250	0.00	0.01	0.020	O	|	|	|	|	0.01
248.333	0.00	0.01	0.020	O	|	|	|	|	0.01
248.417	0.00	0.01	0.020	O	|	|	|	|	0.01
248.500	0.00	0.01	0.020	O	|	|	|	|	0.01
248.583	0.00	0.01	0.020	O	|	|	|	|	0.01
248.667	0.00	0.01	0.020	O	|	|	|	|	0.01
248.750	0.00	0.01	0.020	O	|	|	|	|	0.01
248.833	0.00	0.01	0.020	O	|	|	|	|	0.01
248.917	0.00	0.01	0.020	O	|	|	|	|	0.01
249.000	0.00	0.01	0.020	O	|	|	|	|	0.01
249.083	0.00	0.01	0.020	O	|	|	|	|	0.01
249.167	0.00	0.01	0.020	O	|	|	|	|	0.01
249.250	0.00	0.01	0.020	O	|	|	|	|	0.01
249.333	0.00	0.01	0.020	O	|	|	|	|	0.01
249.417	0.00	0.01	0.020	O	|	|	|	|	0.01
249.500	0.00	0.01	0.020	O	|	|	|	|	0.01
249.583	0.00	0.01	0.020	O	|	|	|	|	0.01
249.667	0.00	0.01	0.019	O	|	|	|	|	0.01
249.750	0.00	0.01	0.019	O	|	|	|	|	0.01
249.833	0.00	0.01	0.019	O	|	|	|	|	0.01
249.917	0.00	0.01	0.019	O	|	|	|	|	0.01
250.000	0.00	0.01	0.019	O	|	|	|	|	0.01
250.083	0.00	0.01	0.019	O	|	|	|	|	0.01
250.167	0.00	0.01	0.019	O	|	|	|	|	0.01
250.250	0.00	0.01	0.019	O	|	|	|	|	0.01
250.333	0.00	0.01	0.019	O	|	|	|	|	0.01
250.417	0.00	0.01	0.019	O	|	|	|	|	0.01
250.500	0.00	0.01	0.019	O	|	|	|	|	0.01
250.583	0.00	0.01	0.019	O	|	|	|	|	0.01
250.667	0.00	0.01	0.019	O	|	|	|	|	0.01
250.750	0.00	0.01	0.019	O	|	|	|	|	0.01
250.833	0.00	0.01	0.019	O	|	|	|	|	0.01
250.917	0.00	0.01	0.019	O	|	|	|	|	0.01
251.000	0.00	0.01	0.019	O	|	|	|	|	0.01
251.083	0.00	0.01	0.019	O	|	|	|	|	0.01
251.167	0.00	0.01	0.019	O	|	|	|	|	0.01
251.250	0.00	0.01	0.019	O	|	|	|	|	0.01
251.333	0.00	0.01	0.019	O	|	|	|	|	0.01

251.417	0.00	0.01	0.019	O	|	|	|	|	0.01
251.500	0.00	0.01	0.019	O	|	|	|	|	0.01
251.583	0.00	0.01	0.019	O	|	|	|	|	0.01
251.667	0.00	0.01	0.018	O	|	|	|	|	0.01
251.750	0.00	0.01	0.018	O	|	|	|	|	0.01
251.833	0.00	0.01	0.018	O	|	|	|	|	0.01
251.917	0.00	0.01	0.018	O	|	|	|	|	0.01
252.000	0.00	0.01	0.018	O	|	|	|	|	0.01
252.083	0.00	0.01	0.018	O	|	|	|	|	0.01
252.167	0.00	0.01	0.018	O	|	|	|	|	0.01
252.250	0.00	0.01	0.018	O	|	|	|	|	0.01
252.333	0.00	0.01	0.018	O	|	|	|	|	0.01
252.417	0.00	0.01	0.018	O	|	|	|	|	0.01
252.500	0.00	0.01	0.018	O	|	|	|	|	0.01
252.583	0.00	0.01	0.018	O	|	|	|	|	0.01
252.667	0.00	0.01	0.018	O	|	|	|	|	0.01
252.750	0.00	0.01	0.018	O	|	|	|	|	0.01
252.833	0.00	0.01	0.018	O	|	|	|	|	0.01
252.917	0.00	0.01	0.018	O	|	|	|	|	0.01
253.000	0.00	0.01	0.018	O	|	|	|	|	0.01
253.083	0.00	0.01	0.018	O	|	|	|	|	0.01
253.167	0.00	0.01	0.018	O	|	|	|	|	0.01
253.250	0.00	0.01	0.018	O	|	|	|	|	0.01
253.333	0.00	0.01	0.018	O	|	|	|	|	0.01
253.417	0.00	0.01	0.018	O	|	|	|	|	0.01
253.500	0.00	0.01	0.018	O	|	|	|	|	0.01
253.583	0.00	0.01	0.018	O	|	|	|	|	0.01
253.667	0.00	0.01	0.017	O	|	|	|	|	0.01
253.750	0.00	0.01	0.017	O	|	|	|	|	0.01
253.833	0.00	0.01	0.017	O	|	|	|	|	0.01
253.917	0.00	0.01	0.017	O	|	|	|	|	0.01
254.000	0.00	0.01	0.017	O	|	|	|	|	0.01
254.083	0.00	0.01	0.017	O	|	|	|	|	0.01
254.167	0.00	0.01	0.017	O	|	|	|	|	0.01
254.250	0.00	0.01	0.017	O	|	|	|	|	0.01
254.333	0.00	0.01	0.017	O	|	|	|	|	0.01
254.417	0.00	0.01	0.017	O	|	|	|	|	0.01
254.500	0.00	0.01	0.017	O	|	|	|	|	0.01
254.583	0.00	0.01	0.017	O	|	|	|	|	0.01
254.667	0.00	0.01	0.017	O	|	|	|	|	0.01
254.750	0.00	0.01	0.017	O	|	|	|	|	0.01
254.833	0.00	0.01	0.017	O	|	|	|	|	0.01
254.917	0.00	0.01	0.017	O	|	|	|	|	0.01
255.000	0.00	0.01	0.017	O	|	|	|	|	0.01
255.083	0.00	0.01	0.017	O	|	|	|	|	0.01
255.167	0.00	0.01	0.017	O	|	|	|	|	0.01
255.250	0.00	0.01	0.017	O	|	|	|	|	0.01
255.333	0.00	0.01	0.017	O	|	|	|	|	0.01
255.417	0.00	0.01	0.017	O	|	|	|	|	0.01
255.500	0.00	0.01	0.017	O	|	|	|	|	0.01
255.583	0.00	0.01	0.017	O	|	|	|	|	0.01
255.667	0.00	0.01	0.017	O	|	|	|	|	0.01
255.750	0.00	0.01	0.017	O	|	|	|	|	0.01
255.833	0.00	0.01	0.017	O	|	|	|	|	0.01
255.917	0.00	0.01	0.016	O	|	|	|	|	0.01
256.000	0.00	0.01	0.016	O	|	|	|	|	0.01
256.083	0.00	0.01	0.016	O	|	|	|	|	0.01
256.167	0.00	0.01	0.016	O	|	|	|	|	0.01
256.250	0.00	0.01	0.016	O	|	|	|	|	0.01
256.333	0.00	0.01	0.016	O	|	|	|	|	0.01
256.417	0.00	0.01	0.016	O	|	|	|	|	0.01
256.500	0.00	0.01	0.016	O	|	|	|	|	0.01
256.583	0.00	0.01	0.016	O	|	|	|	|	0.01
256.667	0.00	0.01	0.016	O	|	|	|	|	0.01
256.750	0.00	0.01	0.016	O	|	|	|	|	0.01
256.833	0.00	0.01	0.016	O	|	|	|	|	0.01
256.917	0.00	0.01	0.016	O	|	|	|	|	0.01

257.000	0.00	0.01	0.016	O	|	|	|	|	0.01
257.083	0.00	0.01	0.016	O	|	|	|	|	0.01
257.167	0.00	0.01	0.016	O	|	|	|	|	0.01
257.250	0.00	0.01	0.016	O	|	|	|	|	0.01
257.333	0.00	0.01	0.016	O	|	|	|	|	0.01
257.417	0.00	0.01	0.016	O	|	|	|	|	0.01
257.500	0.00	0.01	0.016	O	|	|	|	|	0.01
257.583	0.00	0.01	0.016	O	|	|	|	|	0.01
257.667	0.00	0.01	0.016	O	|	|	|	|	0.01
257.750	0.00	0.01	0.016	O	|	|	|	|	0.01
257.833	0.00	0.01	0.016	O	|	|	|	|	0.01
257.917	0.00	0.01	0.016	O	|	|	|	|	0.01
258.000	0.00	0.01	0.016	O	|	|	|	|	0.01
258.083	0.00	0.01	0.016	O	|	|	|	|	0.01
258.167	0.00	0.01	0.016	O	|	|	|	|	0.01
258.250	0.00	0.01	0.015	O	|	|	|	|	0.01
258.333	0.00	0.01	0.015	O	|	|	|	|	0.01
258.417	0.00	0.00	0.015	O	|	|	|	|	0.01
258.500	0.00	0.00	0.015	O	|	|	|	|	0.01
258.583	0.00	0.00	0.015	O	|	|	|	|	0.01
258.667	0.00	0.00	0.015	O	|	|	|	|	0.01
258.750	0.00	0.00	0.015	O	|	|	|	|	0.01
258.833	0.00	0.00	0.015	O	|	|	|	|	0.01
258.917	0.00	0.00	0.015	O	|	|	|	|	0.01
259.000	0.00	0.00	0.015	O	|	|	|	|	0.01
259.083	0.00	0.00	0.015	O	|	|	|	|	0.01
259.167	0.00	0.00	0.015	O	|	|	|	|	0.01
259.250	0.00	0.00	0.015	O	|	|	|	|	0.01
259.333	0.00	0.00	0.015	O	|	|	|	|	0.01
259.417	0.00	0.00	0.015	O	|	|	|	|	0.01
259.500	0.00	0.00	0.015	O	|	|	|	|	0.01
259.583	0.00	0.00	0.015	O	|	|	|	|	0.01
259.667	0.00	0.00	0.015	O	|	|	|	|	0.01
259.750	0.00	0.00	0.015	O	|	|	|	|	0.01
259.833	0.00	0.00	0.015	O	|	|	|	|	0.01
259.917	0.00	0.00	0.015	O	|	|	|	|	0.01
260.000	0.00	0.00	0.015	O	|	|	|	|	0.01
260.083	0.00	0.00	0.015	O	|	|	|	|	0.01
260.167	0.00	0.00	0.015	O	|	|	|	|	0.01
260.250	0.00	0.00	0.015	O	|	|	|	|	0.01
260.333	0.00	0.00	0.015	O	|	|	|	|	0.01
260.417	0.00	0.00	0.015	O	|	|	|	|	0.01
260.500	0.00	0.00	0.015	O	|	|	|	|	0.01
260.583	0.00	0.00	0.015	O	|	|	|	|	0.01
260.667	0.00	0.00	0.015	O	|	|	|	|	0.01
260.750	0.00	0.00	0.014	O	|	|	|	|	0.01
260.833	0.00	0.00	0.014	O	|	|	|	|	0.01
260.917	0.00	0.00	0.014	O	|	|	|	|	0.01
261.000	0.00	0.00	0.014	O	|	|	|	|	0.01
261.083	0.00	0.00	0.014	O	|	|	|	|	0.01
261.167	0.00	0.00	0.014	O	|	|	|	|	0.01
261.250	0.00	0.00	0.014	O	|	|	|	|	0.01
261.333	0.00	0.00	0.014	O	|	|	|	|	0.01
261.417	0.00	0.00	0.014	O	|	|	|	|	0.01
261.500	0.00	0.00	0.014	O	|	|	|	|	0.01
261.583	0.00	0.00	0.014	O	|	|	|	|	0.01
261.667	0.00	0.00	0.014	O	|	|	|	|	0.01
261.750	0.00	0.00	0.014	O	|	|	|	|	0.01
261.833	0.00	0.00	0.014	O	|	|	|	|	0.01
261.917	0.00	0.00	0.014	O	|	|	|	|	0.01
262.000	0.00	0.00	0.014	O	|	|	|	|	0.01
262.083	0.00	0.00	0.014	O	|	|	|	|	0.01
262.167	0.00	0.00	0.014	O	|	|	|	|	0.01
262.250	0.00	0.00	0.014	O	|	|	|	|	0.01
262.333	0.00	0.00	0.014	O	|	|	|	|	0.01
262.417	0.00	0.00	0.014	O	|	|	|	|	0.01
262.500	0.00	0.00	0.014	O	|	|	|	|	0.01

262.583	0.00	0.00	0.014	O	|	|	|	|	0.01
262.667	0.00	0.00	0.014	O	|	|	|	|	0.01
262.750	0.00	0.00	0.014	O	|	|	|	|	0.01
262.833	0.00	0.00	0.014	O	|	|	|	|	0.01
262.917	0.00	0.00	0.014	O	|	|	|	|	0.01
263.000	0.00	0.00	0.014	O	|	|	|	|	0.01
263.083	0.00	0.00	0.014	O	|	|	|	|	0.01
263.167	0.00	0.00	0.014	O	|	|	|	|	0.01
263.250	0.00	0.00	0.014	O	|	|	|	|	0.01
263.333	0.00	0.00	0.014	O	|	|	|	|	0.01
263.417	0.00	0.00	0.013	O	|	|	|	|	0.01
263.500	0.00	0.00	0.013	O	|	|	|	|	0.01
263.583	0.00	0.00	0.013	O	|	|	|	|	0.01
263.667	0.00	0.00	0.013	O	|	|	|	|	0.01
263.750	0.00	0.00	0.013	O	|	|	|	|	0.01
263.833	0.00	0.00	0.013	O	|	|	|	|	0.01
263.917	0.00	0.00	0.013	O	|	|	|	|	0.01
264.000	0.00	0.00	0.013	O	|	|	|	|	0.01
264.083	0.00	0.00	0.013	O	|	|	|	|	0.01
264.167	0.00	0.00	0.013	O	|	|	|	|	0.01
264.250	0.00	0.00	0.013	O	|	|	|	|	0.01
264.333	0.00	0.00	0.013	O	|	|	|	|	0.01
264.417	0.00	0.00	0.013	O	|	|	|	|	0.01
264.500	0.00	0.00	0.013	O	|	|	|	|	0.01
264.583	0.00	0.00	0.013	O	|	|	|	|	0.01
264.667	0.00	0.00	0.013	O	|	|	|	|	0.01
264.750	0.00	0.00	0.013	O	|	|	|	|	0.01
264.833	0.00	0.00	0.013	O	|	|	|	|	0.01
264.917	0.00	0.00	0.013	O	|	|	|	|	0.01
265.000	0.00	0.00	0.013	O	|	|	|	|	0.01
265.083	0.00	0.00	0.013	O	|	|	|	|	0.01
265.167	0.00	0.00	0.013	O	|	|	|	|	0.01
265.250	0.00	0.00	0.013	O	|	|	|	|	0.01
265.333	0.00	0.00	0.013	O	|	|	|	|	0.01
265.417	0.00	0.00	0.013	O	|	|	|	|	0.01
265.500	0.00	0.00	0.013	O	|	|	|	|	0.01
265.583	0.00	0.00	0.013	O	|	|	|	|	0.01
265.667	0.00	0.00	0.013	O	|	|	|	|	0.01
265.750	0.00	0.00	0.013	O	|	|	|	|	0.01
265.833	0.00	0.00	0.013	O	|	|	|	|	0.01
265.917	0.00	0.00	0.013	O	|	|	|	|	0.01
266.000	0.00	0.00	0.013	O	|	|	|	|	0.01
266.083	0.00	0.00	0.013	O	|	|	|	|	0.01
266.167	0.00	0.00	0.013	O	|	|	|	|	0.01
266.250	0.00	0.00	0.012	O	|	|	|	|	0.01
266.333	0.00	0.00	0.012	O	|	|	|	|	0.01
266.417	0.00	0.00	0.012	O	|	|	|	|	0.01
266.500	0.00	0.00	0.012	O	|	|	|	|	0.01
266.583	0.00	0.00	0.012	O	|	|	|	|	0.01
266.667	0.00	0.00	0.012	O	|	|	|	|	0.01
266.750	0.00	0.00	0.012	O	|	|	|	|	0.01
266.833	0.00	0.00	0.012	O	|	|	|	|	0.01
266.917	0.00	0.00	0.012	O	|	|	|	|	0.01
267.000	0.00	0.00	0.012	O	|	|	|	|	0.01
267.083	0.00	0.00	0.012	O	|	|	|	|	0.01
267.167	0.00	0.00	0.012	O	|	|	|	|	0.01
267.250	0.00	0.00	0.012	O	|	|	|	|	0.01
267.333	0.00	0.00	0.012	O	|	|	|	|	0.01
267.417	0.00	0.00	0.012	O	|	|	|	|	0.01
267.500	0.00	0.00	0.012	O	|	|	|	|	0.01
267.583	0.00	0.00	0.012	O	|	|	|	|	0.01
267.667	0.00	0.00	0.012	O	|	|	|	|	0.01
267.750	0.00	0.00	0.012	O	|	|	|	|	0.01
267.833	0.00	0.00	0.012	O	|	|	|	|	0.01
267.917	0.00	0.00	0.012	O	|	|	|	|	0.01
268.000	0.00	0.00	0.012	O	|	|	|	|	0.01
268.083	0.00	0.00	0.012	O	|	|	|	|	0.01

268.167	0.00	0.00	0.012	O	|	|	|	|	0.01
268.250	0.00	0.00	0.012	O	|	|	|	|	0.01
268.333	0.00	0.00	0.012	O	|	|	|	|	0.01
268.417	0.00	0.00	0.012	O	|	|	|	|	0.01
268.500	0.00	0.00	0.012	O	|	|	|	|	0.01
268.583	0.00	0.00	0.012	O	|	|	|	|	0.01
268.667	0.00	0.00	0.012	O	|	|	|	|	0.01
268.750	0.00	0.00	0.012	O	|	|	|	|	0.01
268.833	0.00	0.00	0.012	O	|	|	|	|	0.01
268.917	0.00	0.00	0.012	O	|	|	|	|	0.01
269.000	0.00	0.00	0.012	O	|	|	|	|	0.01
269.083	0.00	0.00	0.012	O	|	|	|	|	0.01
269.167	0.00	0.00	0.012	O	|	|	|	|	0.01
269.250	0.00	0.00	0.012	O	|	|	|	|	0.01
269.333	0.00	0.00	0.012	O	|	|	|	|	0.01
269.417	0.00	0.00	0.011	O	|	|	|	|	0.01
269.500	0.00	0.00	0.011	O	|	|	|	|	0.01
269.583	0.00	0.00	0.011	O	|	|	|	|	0.01
269.667	0.00	0.00	0.011	O	|	|	|	|	0.01
269.750	0.00	0.00	0.011	O	|	|	|	|	0.01
269.833	0.00	0.00	0.011	O	|	|	|	|	0.01
269.917	0.00	0.00	0.011	O	|	|	|	|	0.01
270.000	0.00	0.00	0.011	O	|	|	|	|	0.01
270.083	0.00	0.00	0.011	O	|	|	|	|	0.01
270.167	0.00	0.00	0.011	O	|	|	|	|	0.01
270.250	0.00	0.00	0.011	O	|	|	|	|	0.01
270.333	0.00	0.00	0.011	O	|	|	|	|	0.01
270.417	0.00	0.00	0.011	O	|	|	|	|	0.01
270.500	0.00	0.00	0.011	O	|	|	|	|	0.01
270.583	0.00	0.00	0.011	O	|	|	|	|	0.01
270.667	0.00	0.00	0.011	O	|	|	|	|	0.01
270.750	0.00	0.00	0.011	O	|	|	|	|	0.01
270.833	0.00	0.00	0.011	O	|	|	|	|	0.01
270.917	0.00	0.00	0.011	O	|	|	|	|	0.01
271.000	0.00	0.00	0.011	O	|	|	|	|	0.01
271.083	0.00	0.00	0.011	O	|	|	|	|	0.01
271.167	0.00	0.00	0.011	O	|	|	|	|	0.01
271.250	0.00	0.00	0.011	O	|	|	|	|	0.01
271.333	0.00	0.00	0.011	O	|	|	|	|	0.01
271.417	0.00	0.00	0.011	O	|	|	|	|	0.01
271.500	0.00	0.00	0.011	O	|	|	|	|	0.01
271.583	0.00	0.00	0.011	O	|	|	|	|	0.01
271.667	0.00	0.00	0.011	O	|	|	|	|	0.01
271.750	0.00	0.00	0.011	O	|	|	|	|	0.01
271.833	0.00	0.00	0.011	O	|	|	|	|	0.01
271.917	0.00	0.00	0.011	O	|	|	|	|	0.01
272.000	0.00	0.00	0.011	O	|	|	|	|	0.01
272.083	0.00	0.00	0.011	O	|	|	|	|	0.01
272.167	0.00	0.00	0.011	O	|	|	|	|	0.01
272.250	0.00	0.00	0.011	O	|	|	|	|	0.01
272.333	0.00	0.00	0.011	O	|	|	|	|	0.01
272.417	0.00	0.00	0.011	O	|	|	|	|	0.01
272.500	0.00	0.00	0.011	O	|	|	|	|	0.01
272.583	0.00	0.00	0.011	O	|	|	|	|	0.01
272.667	0.00	0.00	0.011	O	|	|	|	|	0.01
272.750	0.00	0.00	0.010	O	|	|	|	|	0.01
272.833	0.00	0.00	0.010	O	|	|	|	|	0.01
272.917	0.00	0.00	0.010	O	|	|	|	|	0.01
273.000	0.00	0.00	0.010	O	|	|	|	|	0.01
273.083	0.00	0.00	0.010	O	|	|	|	|	0.01
273.167	0.00	0.00	0.010	O	|	|	|	|	0.01
273.250	0.00	0.00	0.010	O	|	|	|	|	0.01
273.333	0.00	0.00	0.010	O	|	|	|	|	0.01
273.417	0.00	0.00	0.010	O	|	|	|	|	0.01
273.500	0.00	0.00	0.010	O	|	|	|	|	0.01
273.583	0.00	0.00	0.010	O	|	|	|	|	0.01
273.667	0.00	0.00	0.010	O	|	|	|	|	0.01

273.750	0.00	0.00	0.010	O					0.01
273.833	0.00	0.00	0.010	O					0.01
273.917	0.00	0.00	0.010	O					0.01
274.000	0.00	0.00	0.010	O					0.01
274.083	0.00	0.00	0.010	O					0.01
274.167	0.00	0.00	0.010	O					0.01
274.250	0.00	0.00	0.010	O					0.01
274.333	0.00	0.00	0.010	O					0.01
274.417	0.00	0.00	0.010	O					0.01
274.500	0.00	0.00	0.010	O					0.01
274.583	0.00	0.00	0.010	O					0.01
274.667	0.00	0.00	0.010	O					0.01
274.750	0.00	0.00	0.010	O					0.01
274.833	0.00	0.00	0.010	O					0.01
274.917	0.00	0.00	0.010	O					0.01
275.000	0.00	0.00	0.010	O					0.01
275.083	0.00	0.00	0.010	O					0.01
275.167	0.00	0.00	0.010	O					0.01
275.250	0.00	0.00	0.010	O					0.01
275.333	0.00	0.00	0.010	O					0.01
275.417	0.00	0.00	0.010	O					0.01
275.500	0.00	0.00	0.010	O					0.01
275.583	0.00	0.00	0.010	O					0.01
275.667	0.00	0.00	0.010	O					0.01
275.750	0.00	0.00	0.010	O					0.01
275.833	0.00	0.00	0.010	O					0.01
275.917	0.00	0.00	0.010	O					0.01
276.000	0.00	0.00	0.010	O					0.01
276.083	0.00	0.00	0.010	O					0.01
276.167	0.00	0.00	0.010	O					0.01
276.250	0.00	0.00	0.010	O					0.01
276.333	0.00	0.00	0.010	O					0.01
276.417	0.00	0.00	0.010	O					0.01
276.500	0.00	0.00	0.009	O					0.01
276.583	0.00	0.00	0.009	O					0.01
276.667	0.00	0.00	0.009	O					0.01
276.750	0.00	0.00	0.009	O					0.01
276.833	0.00	0.00	0.009	O					0.01
276.917	0.00	0.00	0.009	O					0.01
277.000	0.00	0.00	0.009	O					0.01
277.083	0.00	0.00	0.009	O					0.01
277.167	0.00	0.00	0.009	O					0.01
277.250	0.00	0.00	0.009	O					0.01
277.333	0.00	0.00	0.009	O					0.01
277.417	0.00	0.00	0.009	O					0.01
277.500	0.00	0.00	0.009	O					0.01
277.583	0.00	0.00	0.009	O					0.01
277.667	0.00	0.00	0.009	O					0.01
277.750	0.00	0.00	0.009	O					0.01
277.833	0.00	0.00	0.009	O					0.01
277.917	0.00	0.00	0.009	O					0.01
278.000	0.00	0.00	0.009	O					0.01
278.083	0.00	0.00	0.009	O					0.01
278.167	0.00	0.00	0.009	O					0.01
278.250	0.00	0.00	0.009	O					0.01
278.333	0.00	0.00	0.009	O					0.01
278.417	0.00	0.00	0.009	O					0.01
278.500	0.00	0.00	0.009	O					0.01
278.583	0.00	0.00	0.009	O					0.01
278.667	0.00	0.00	0.009	O					0.01
278.750	0.00	0.00	0.009	O					0.01
278.833	0.00	0.00	0.009	O					0.01
278.917	0.00	0.00	0.009	O					0.01
279.000	0.00	0.00	0.009	O					0.01
279.083	0.00	0.00	0.009	O					0.01
279.167	0.00	0.00	0.009	O					0.01
279.250	0.00	0.00	0.009	O					0.01

279.333	0.00	0.00	0.009	O	|	|	|	|	0.01
279.417	0.00	0.00	0.009	O	|	|	|	|	0.01
279.500	0.00	0.00	0.009	O	|	|	|	|	0.01
279.583	0.00	0.00	0.009	O	|	|	|	|	0.01
279.667	0.00	0.00	0.009	O	|	|	|	|	0.01
279.750	0.00	0.00	0.009	O	|	|	|	|	0.01
279.833	0.00	0.00	0.009	O	|	|	|	|	0.01
279.917	0.00	0.00	0.009	O	|	|	|	|	0.01
280.000	0.00	0.00	0.009	O	|	|	|	|	0.01
280.083	0.00	0.00	0.009	O	|	|	|	|	0.01
280.167	0.00	0.00	0.009	O	|	|	|	|	0.01
280.250	0.00	0.00	0.009	O	|	|	|	|	0.01
280.333	0.00	0.00	0.009	O	|	|	|	|	0.01
280.417	0.00	0.00	0.009	O	|	|	|	|	0.01
280.500	0.00	0.00	0.009	O	|	|	|	|	0.01
280.583	0.00	0.00	0.009	O	|	|	|	|	0.01
280.667	0.00	0.00	0.008	O	|	|	|	|	0.01
280.750	0.00	0.00	0.008	O	|	|	|	|	0.01
280.833	0.00	0.00	0.008	O	|	|	|	|	0.01
280.917	0.00	0.00	0.008	O	|	|	|	|	0.01
281.000	0.00	0.00	0.008	O	|	|	|	|	0.01
281.083	0.00	0.00	0.008	O	|	|	|	|	0.01
281.167	0.00	0.00	0.008	O	|	|	|	|	0.01
281.250	0.00	0.00	0.008	O	|	|	|	|	0.01
281.333	0.00	0.00	0.008	O	|	|	|	|	0.01
281.417	0.00	0.00	0.008	O	|	|	|	|	0.01
281.500	0.00	0.00	0.008	O	|	|	|	|	0.01
281.583	0.00	0.00	0.008	O	|	|	|	|	0.01
281.667	0.00	0.00	0.008	O	|	|	|	|	0.01
281.750	0.00	0.00	0.008	O	|	|	|	|	0.01
281.833	0.00	0.00	0.008	O	|	|	|	|	0.01
281.917	0.00	0.00	0.008	O	|	|	|	|	0.01
282.000	0.00	0.00	0.008	O	|	|	|	|	0.01
282.083	0.00	0.00	0.008	O	|	|	|	|	0.01
282.167	0.00	0.00	0.008	O	|	|	|	|	0.01
282.250	0.00	0.00	0.008	O	|	|	|	|	0.01
282.333	0.00	0.00	0.008	O	|	|	|	|	0.01
282.417	0.00	0.00	0.008	O	|	|	|	|	0.01
282.500	0.00	0.00	0.008	O	|	|	|	|	0.01
282.583	0.00	0.00	0.008	O	|	|	|	|	0.01
282.667	0.00	0.00	0.008	O	|	|	|	|	0.01
282.750	0.00	0.00	0.008	O	|	|	|	|	0.01
282.833	0.00	0.00	0.008	O	|	|	|	|	0.01
282.917	0.00	0.00	0.008	O	|	|	|	|	0.01
283.000	0.00	0.00	0.008	O	|	|	|	|	0.01
283.083	0.00	0.00	0.008	O	|	|	|	|	0.01
283.167	0.00	0.00	0.008	O	|	|	|	|	0.01
283.250	0.00	0.00	0.008	O	|	|	|	|	0.01
283.333	0.00	0.00	0.008	O	|	|	|	|	0.01
283.417	0.00	0.00	0.008	O	|	|	|	|	0.01
283.500	0.00	0.00	0.008	O	|	|	|	|	0.01
283.583	0.00	0.00	0.008	O	|	|	|	|	0.01
283.667	0.00	0.00	0.008	O	|	|	|	|	0.01
283.750	0.00	0.00	0.008	O	|	|	|	|	0.01
283.833	0.00	0.00	0.008	O	|	|	|	|	0.01
283.917	0.00	0.00	0.008	O	|	|	|	|	0.01
284.000	0.00	0.00	0.008	O	|	|	|	|	0.01
284.083	0.00	0.00	0.008	O	|	|	|	|	0.01
284.167	0.00	0.00	0.008	O	|	|	|	|	0.01
284.250	0.00	0.00	0.008	O	|	|	|	|	0.01
284.333	0.00	0.00	0.008	O	|	|	|	|	0.01
284.417	0.00	0.00	0.008	O	|	|	|	|	0.01
284.500	0.00	0.00	0.008	O	|	|	|	|	0.01
284.583	0.00	0.00	0.008	O	|	|	|	|	0.01
284.667	0.00	0.00	0.008	O	|	|	|	|	0.01
284.750	0.00	0.00	0.008	O	|	|	|	|	0.01
284.833	0.00	0.00	0.008	O	|	|	|	|	0.01

284.917	0.00	0.00	0.008	O	|	|	|	|	0.01
285.000	0.00	0.00	0.008	O	|	|	|	|	0.01
285.083	0.00	0.00	0.008	O	|	|	|	|	0.01
285.167	0.00	0.00	0.008	O	|	|	|	|	0.01
285.250	0.00	0.00	0.008	O	|	|	|	|	0.01
285.333	0.00	0.00	0.007	O	|	|	|	|	0.01
285.417	0.00	0.00	0.007	O	|	|	|	|	0.01
285.500	0.00	0.00	0.007	O	|	|	|	|	0.01
285.583	0.00	0.00	0.007	O	|	|	|	|	0.01
285.667	0.00	0.00	0.007	O	|	|	|	|	0.01
285.750	0.00	0.00	0.007	O	|	|	|	|	0.01
285.833	0.00	0.00	0.007	O	|	|	|	|	0.01
285.917	0.00	0.00	0.007	O	|	|	|	|	0.01
286.000	0.00	0.00	0.007	O	|	|	|	|	0.01
286.083	0.00	0.00	0.007	O	|	|	|	|	0.01
286.167	0.00	0.00	0.007	O	|	|	|	|	0.01
286.250	0.00	0.00	0.007	O	|	|	|	|	0.01
286.333	0.00	0.00	0.007	O	|	|	|	|	0.01
286.417	0.00	0.00	0.007	O	|	|	|	|	0.01
286.500	0.00	0.00	0.007	O	|	|	|	|	0.01
286.583	0.00	0.00	0.007	O	|	|	|	|	0.00
286.667	0.00	0.00	0.007	O	|	|	|	|	0.00
286.750	0.00	0.00	0.007	O	|	|	|	|	0.00
286.833	0.00	0.00	0.007	O	|	|	|	|	0.00
286.917	0.00	0.00	0.007	O	|	|	|	|	0.00
287.000	0.00	0.00	0.007	O	|	|	|	|	0.00
287.083	0.00	0.00	0.007	O	|	|	|	|	0.00
287.167	0.00	0.00	0.007	O	|	|	|	|	0.00
287.250	0.00	0.00	0.007	O	|	|	|	|	0.00
287.333	0.00	0.00	0.007	O	|	|	|	|	0.00
287.417	0.00	0.00	0.007	O	|	|	|	|	0.00
287.500	0.00	0.00	0.007	O	|	|	|	|	0.00
287.583	0.00	0.00	0.007	O	|	|	|	|	0.00
287.667	0.00	0.00	0.007	O	|	|	|	|	0.00
287.750	0.00	0.00	0.007	O	|	|	|	|	0.00
287.833	0.00	0.00	0.007	O	|	|	|	|	0.00
287.917	0.00	0.00	0.007	O	|	|	|	|	0.00
288.000	0.00	0.00	0.007	O	|	|	|	|	0.00
288.083	0.00	0.00	0.007	O	|	|	|	|	0.00
288.167	0.00	0.00	0.007	O	|	|	|	|	0.00
288.250	0.00	0.00	0.007	O	|	|	|	|	0.00
288.333	0.00	0.00	0.007	O	|	|	|	|	0.00
288.417	0.00	0.00	0.007	O	|	|	|	|	0.00
288.500	0.00	0.00	0.007	O	|	|	|	|	0.00
288.583	0.00	0.00	0.007	O	|	|	|	|	0.00
288.667	0.00	0.00	0.007	O	|	|	|	|	0.00
288.750	0.00	0.00	0.007	O	|	|	|	|	0.00
288.833	0.00	0.00	0.007	O	|	|	|	|	0.00
288.917	0.00	0.00	0.007	O	|	|	|	|	0.00
289.000	0.00	0.00	0.007	O	|	|	|	|	0.00
289.083	0.00	0.00	0.007	O	|	|	|	|	0.00
289.167	0.00	0.00	0.007	O	|	|	|	|	0.00
289.250	0.00	0.00	0.007	O	|	|	|	|	0.00
289.333	0.00	0.00	0.007	O	|	|	|	|	0.00
289.417	0.00	0.00	0.007	O	|	|	|	|	0.00
289.500	0.00	0.00	0.007	O	|	|	|	|	0.00
289.583	0.00	0.00	0.007	O	|	|	|	|	0.00
289.667	0.00	0.00	0.007	O	|	|	|	|	0.00
289.750	0.00	0.00	0.007	O	|	|	|	|	0.00
289.833	0.00	0.00	0.007	O	|	|	|	|	0.00
289.917	0.00	0.00	0.007	O	|	|	|	|	0.00
290.000	0.00	0.00	0.007	O	|	|	|	|	0.00
290.083	0.00	0.00	0.007	O	|	|	|	|	0.00
290.167	0.00	0.00	0.007	O	|	|	|	|	0.00
290.250	0.00	0.00	0.007	O	|	|	|	|	0.00
290.333	0.00	0.00	0.007	O	|	|	|	|	0.00
290.417	0.00	0.00	0.007	O	|	|	|	|	0.00

290.500	0.00	0.00	0.007	O					0.00
290.583	0.00	0.00	0.007	O					0.00
290.667	0.00	0.00	0.006	O					0.00
290.750	0.00	0.00	0.006	O					0.00
290.833	0.00	0.00	0.006	O					0.00
290.917	0.00	0.00	0.006	O					0.00
291.000	0.00	0.00	0.006	O					0.00
291.083	0.00	0.00	0.006	O					0.00
291.167	0.00	0.00	0.006	O					0.00
291.250	0.00	0.00	0.006	O					0.00
291.333	0.00	0.00	0.006	O					0.00
291.417	0.00	0.00	0.006	O					0.00
291.500	0.00	0.00	0.006	O					0.00
291.583	0.00	0.00	0.006	O					0.00
291.667	0.00	0.00	0.006	O					0.00
291.750	0.00	0.00	0.006	O					0.00
291.833	0.00	0.00	0.006	O					0.00
291.917	0.00	0.00	0.006	O					0.00
292.000	0.00	0.00	0.006	O					0.00
292.083	0.00	0.00	0.006	O					0.00
292.167	0.00	0.00	0.006	O					0.00
292.250	0.00	0.00	0.006	O					0.00
292.333	0.00	0.00	0.006	O					0.00
292.417	0.00	0.00	0.006	O					0.00
292.500	0.00	0.00	0.006	O					0.00
292.583	0.00	0.00	0.006	O					0.00
292.667	0.00	0.00	0.006	O					0.00
292.750	0.00	0.00	0.006	O					0.00
292.833	0.00	0.00	0.006	O					0.00
292.917	0.00	0.00	0.006	O					0.00
293.000	0.00	0.00	0.006	O					0.00
293.083	0.00	0.00	0.006	O					0.00
293.167	0.00	0.00	0.006	O					0.00
293.250	0.00	0.00	0.006	O					0.00
293.333	0.00	0.00	0.006	O					0.00
293.417	0.00	0.00	0.006	O					0.00
293.500	0.00	0.00	0.006	O					0.00
293.583	0.00	0.00	0.006	O					0.00
293.667	0.00	0.00	0.006	O					0.00
293.750	0.00	0.00	0.006	O					0.00
293.833	0.00	0.00	0.006	O					0.00
293.917	0.00	0.00	0.006	O					0.00
294.000	0.00	0.00	0.006	O					0.00
294.083	0.00	0.00	0.006	O					0.00
294.167	0.00	0.00	0.006	O					0.00
294.250	0.00	0.00	0.006	O					0.00
294.333	0.00	0.00	0.006	O					0.00
294.417	0.00	0.00	0.006	O					0.00
294.500	0.00	0.00	0.006	O					0.00
294.583	0.00	0.00	0.006	O					0.00
294.667	0.00	0.00	0.006	O					0.00
294.750	0.00	0.00	0.006	O					0.00
294.833	0.00	0.00	0.006	O					0.00
294.917	0.00	0.00	0.006	O					0.00
295.000	0.00	0.00	0.006	O					0.00
295.083	0.00	0.00	0.006	O					0.00
295.167	0.00	0.00	0.006	O					0.00
295.250	0.00	0.00	0.006	O					0.00
295.333	0.00	0.00	0.006	O					0.00
295.417	0.00	0.00	0.006	O					0.00
295.500	0.00	0.00	0.006	O					0.00
295.583	0.00	0.00	0.006	O					0.00
295.667	0.00	0.00	0.006	O					0.00
295.750	0.00	0.00	0.006	O					0.00
295.833	0.00	0.00	0.006	O					0.00
295.917	0.00	0.00	0.006	O					0.00
296.000	0.00	0.00	0.006	O					0.00

296.083	0.00	0.00	0.006	O	|	|	|	0.00
296.167	0.00	0.00	0.006	O	|	|	|	0.00
296.250	0.00	0.00	0.006	O	|	|	|	0.00
296.333	0.00	0.00	0.006	O	|	|	|	0.00
296.417	0.00	0.00	0.006	O	|	|	|	0.00
296.500	0.00	0.00	0.006	O	|	|	|	0.00
296.583	0.00	0.00	0.006	O	|	|	|	0.00
296.667	0.00	0.00	0.006	O	|	|	|	0.00
296.750	0.00	0.00	0.006	O	|	|	|	0.00
296.833	0.00	0.00	0.006	O	|	|	|	0.00
296.917	0.00	0.00	0.005	O	|	|	|	0.00
297.000	0.00	0.00	0.005	O	|	|	|	0.00
297.083	0.00	0.00	0.005	O	|	|	|	0.00
297.167	0.00	0.00	0.005	O	|	|	|	0.00
297.250	0.00	0.00	0.005	O	|	|	|	0.00
297.333	0.00	0.00	0.005	O	|	|	|	0.00
297.417	0.00	0.00	0.005	O	|	|	|	0.00
297.500	0.00	0.00	0.005	O	|	|	|	0.00
297.583	0.00	0.00	0.005	O	|	|	|	0.00
297.667	0.00	0.00	0.005	O	|	|	|	0.00
297.750	0.00	0.00	0.005	O	|	|	|	0.00
297.833	0.00	0.00	0.005	O	|	|	|	0.00
297.917	0.00	0.00	0.005	O	|	|	|	0.00
298.000	0.00	0.00	0.005	O	|	|	|	0.00
298.083	0.00	0.00	0.005	O	|	|	|	0.00
298.167	0.00	0.00	0.005	O	|	|	|	0.00
298.250	0.00	0.00	0.005	O	|	|	|	0.00
298.333	0.00	0.00	0.005	O	|	|	|	0.00
298.417	0.00	0.00	0.005	O	|	|	|	0.00
298.500	0.00	0.00	0.005	O	|	|	|	0.00
298.583	0.00	0.00	0.005	O	|	|	|	0.00
298.667	0.00	0.00	0.005	O	|	|	|	0.00
298.750	0.00	0.00	0.005	O	|	|	|	0.00
298.833	0.00	0.00	0.005	O	|	|	|	0.00
298.917	0.00	0.00	0.005	O	|	|	|	0.00
299.000	0.00	0.00	0.005	O	|	|	|	0.00
299.083	0.00	0.00	0.005	O	|	|	|	0.00
299.167	0.00	0.00	0.005	O	|	|	|	0.00
299.250	0.00	0.00	0.005	O	|	|	|	0.00
299.333	0.00	0.00	0.005	O	|	|	|	0.00
299.417	0.00	0.00	0.005	O	|	|	|	0.00
299.500	0.00	0.00	0.005	O	|	|	|	0.00
299.583	0.00	0.00	0.005	O	|	|	|	0.00
299.667	0.00	0.00	0.005	O	|	|	|	0.00
299.750	0.00	0.00	0.005	O	|	|	|	0.00
299.833	0.00	0.00	0.005	O	|	|	|	0.00
299.917	0.00	0.00	0.005	O	|	|	|	0.00
300.000	0.00	0.00	0.005	O	|	|	|	0.00
300.083	0.00	0.00	0.005	O	|	|	|	0.00
300.167	0.00	0.00	0.005	O	|	|	|	0.00
300.250	0.00	0.00	0.005	O	|	|	|	0.00
300.333	0.00	0.00	0.005	O	|	|	|	0.00
300.417	0.00	0.00	0.005	O	|	|	|	0.00
300.500	0.00	0.00	0.005	O	|	|	|	0.00
300.583	0.00	0.00	0.005	O	|	|	|	0.00
300.667	0.00	0.00	0.005	O	|	|	|	0.00
300.750	0.00	0.00	0.005	O	|	|	|	0.00
300.833	0.00	0.00	0.005	O	|	|	|	0.00
300.917	0.00	0.00	0.005	O	|	|	|	0.00
301.000	0.00	0.00	0.005	O	|	|	|	0.00
301.083	0.00	0.00	0.005	O	|	|	|	0.00
301.167	0.00	0.00	0.005	O	|	|	|	0.00
301.250	0.00	0.00	0.005	O	|	|	|	0.00
301.333	0.00	0.00	0.005	O	|	|	|	0.00
301.417	0.00	0.00	0.005	O	|	|	|	0.00
301.500	0.00	0.00	0.005	O	|	|	|	0.00
301.583	0.00	0.00	0.005	O	|	|	|	0.00

301.667	0.00	0.00	0.005	O	|	|	|	0.00
301.750	0.00	0.00	0.005	O	|	|	|	0.00
301.833	0.00	0.00	0.005	O	|	|	|	0.00
301.917	0.00	0.00	0.005	O	|	|	|	0.00
302.000	0.00	0.00	0.005	O	|	|	|	0.00
302.083	0.00	0.00	0.005	O	|	|	|	0.00
302.167	0.00	0.00	0.005	O	|	|	|	0.00
302.250	0.00	0.00	0.005	O	|	|	|	0.00
302.333	0.00	0.00	0.005	O	|	|	|	0.00
302.417	0.00	0.00	0.005	O	|	|	|	0.00
302.500	0.00	0.00	0.005	O	|	|	|	0.00
302.583	0.00	0.00	0.005	O	|	|	|	0.00
302.667	0.00	0.00	0.005	O	|	|	|	0.00
302.750	0.00	0.00	0.005	O	|	|	|	0.00
302.833	0.00	0.00	0.005	O	|	|	|	0.00
302.917	0.00	0.00	0.005	O	|	|	|	0.00
303.000	0.00	0.00	0.005	O	|	|	|	0.00
303.083	0.00	0.00	0.005	O	|	|	|	0.00
303.167	0.00	0.00	0.005	O	|	|	|	0.00
303.250	0.00	0.00	0.005	O	|	|	|	0.00
303.333	0.00	0.00	0.005	O	|	|	|	0.00
303.417	0.00	0.00	0.005	O	|	|	|	0.00
303.500	0.00	0.00	0.005	O	|	|	|	0.00
303.583	0.00	0.00	0.005	O	|	|	|	0.00
303.667	0.00	0.00	0.005	O	|	|	|	0.00
303.750	0.00	0.00	0.005	O	|	|	|	0.00
303.833	0.00	0.00	0.005	O	|	|	|	0.00
303.917	0.00	0.00	0.005	O	|	|	|	0.00
304.000	0.00	0.00	0.005	O	|	|	|	0.00
304.083	0.00	0.00	0.005	O	|	|	|	0.00
304.167	0.00	0.00	0.005	O	|	|	|	0.00
304.250	0.00	0.00	0.005	O	|	|	|	0.00
304.333	0.00	0.00	0.005	O	|	|	|	0.00
304.417	0.00	0.00	0.004	O	|	|	|	0.00
304.500	0.00	0.00	0.004	O	|	|	|	0.00
304.583	0.00	0.00	0.004	O	|	|	|	0.00
304.667	0.00	0.00	0.004	O	|	|	|	0.00
304.750	0.00	0.00	0.004	O	|	|	|	0.00
304.833	0.00	0.00	0.004	O	|	|	|	0.00
304.917	0.00	0.00	0.004	O	|	|	|	0.00
305.000	0.00	0.00	0.004	O	|	|	|	0.00
305.083	0.00	0.00	0.004	O	|	|	|	0.00
305.167	0.00	0.00	0.004	O	|	|	|	0.00
305.250	0.00	0.00	0.004	O	|	|	|	0.00
305.333	0.00	0.00	0.004	O	|	|	|	0.00
305.417	0.00	0.00	0.004	O	|	|	|	0.00
305.500	0.00	0.00	0.004	O	|	|	|	0.00
305.583	0.00	0.00	0.004	O	|	|	|	0.00
305.667	0.00	0.00	0.004	O	|	|	|	0.00
305.750	0.00	0.00	0.004	O	|	|	|	0.00
305.833	0.00	0.00	0.004	O	|	|	|	0.00
305.917	0.00	0.00	0.004	O	|	|	|	0.00
306.000	0.00	0.00	0.004	O	|	|	|	0.00
306.083	0.00	0.00	0.004	O	|	|	|	0.00
306.167	0.00	0.00	0.004	O	|	|	|	0.00
306.250	0.00	0.00	0.004	O	|	|	|	0.00
306.333	0.00	0.00	0.004	O	|	|	|	0.00
306.417	0.00	0.00	0.004	O	|	|	|	0.00
306.500	0.00	0.00	0.004	O	|	|	|	0.00
306.583	0.00	0.00	0.004	O	|	|	|	0.00
306.667	0.00	0.00	0.004	O	|	|	|	0.00
306.750	0.00	0.00	0.004	O	|	|	|	0.00
306.833	0.00	0.00	0.004	O	|	|	|	0.00
306.917	0.00	0.00	0.004	O	|	|	|	0.00
307.000	0.00	0.00	0.004	O	|	|	|	0.00
307.083	0.00	0.00	0.004	O	|	|	|	0.00
307.167	0.00	0.00	0.004	O	|	|	|	0.00

307.250	0.00	0.00	0.004	O					0.00
307.333	0.00	0.00	0.004	O					0.00
307.417	0.00	0.00	0.004	O					0.00
307.500	0.00	0.00	0.004	O					0.00
307.583	0.00	0.00	0.004	O					0.00
307.667	0.00	0.00	0.004	O					0.00
307.750	0.00	0.00	0.004	O					0.00
307.833	0.00	0.00	0.004	O					0.00
307.917	0.00	0.00	0.004	O					0.00
308.000	0.00	0.00	0.004	O					0.00
308.083	0.00	0.00	0.004	O					0.00
308.167	0.00	0.00	0.004	O					0.00
308.250	0.00	0.00	0.004	O					0.00
308.333	0.00	0.00	0.004	O					0.00
308.417	0.00	0.00	0.004	O					0.00
308.500	0.00	0.00	0.004	O					0.00
308.583	0.00	0.00	0.004	O					0.00
308.667	0.00	0.00	0.004	O					0.00
308.750	0.00	0.00	0.004	O					0.00
308.833	0.00	0.00	0.004	O					0.00
308.917	0.00	0.00	0.004	O					0.00
309.000	0.00	0.00	0.004	O					0.00
309.083	0.00	0.00	0.004	O					0.00
309.167	0.00	0.00	0.004	O					0.00
309.250	0.00	0.00	0.004	O					0.00
309.333	0.00	0.00	0.004	O					0.00
309.417	0.00	0.00	0.004	O					0.00
309.500	0.00	0.00	0.004	O					0.00
309.583	0.00	0.00	0.004	O					0.00
309.667	0.00	0.00	0.004	O					0.00
309.750	0.00	0.00	0.004	O					0.00
309.833	0.00	0.00	0.004	O					0.00
309.917	0.00	0.00	0.004	O					0.00
310.000	0.00	0.00	0.004	O					0.00
310.083	0.00	0.00	0.004	O					0.00
310.167	0.00	0.00	0.004	O					0.00
310.250	0.00	0.00	0.004	O					0.00
310.333	0.00	0.00	0.004	O					0.00
310.417	0.00	0.00	0.004	O					0.00
310.500	0.00	0.00	0.004	O					0.00
310.583	0.00	0.00	0.004	O					0.00
310.667	0.00	0.00	0.004	O					0.00
310.750	0.00	0.00	0.004	O					0.00
310.833	0.00	0.00	0.004	O					0.00
310.917	0.00	0.00	0.004	O					0.00
311.000	0.00	0.00	0.004	O					0.00
311.083	0.00	0.00	0.004	O					0.00
311.167	0.00	0.00	0.004	O					0.00
311.250	0.00	0.00	0.004	O					0.00
311.333	0.00	0.00	0.004	O					0.00
311.417	0.00	0.00	0.004	O					0.00
311.500	0.00	0.00	0.004	O					0.00
311.583	0.00	0.00	0.004	O					0.00
311.667	0.00	0.00	0.004	O					0.00
311.750	0.00	0.00	0.004	O					0.00
311.833	0.00	0.00	0.004	O					0.00
311.917	0.00	0.00	0.004	O					0.00
312.000	0.00	0.00	0.004	O					0.00
312.083	0.00	0.00	0.004	O					0.00
312.167	0.00	0.00	0.004	O					0.00
312.250	0.00	0.00	0.004	O					0.00
312.333	0.00	0.00	0.004	O					0.00
312.417	0.00	0.00	0.004	O					0.00
312.500	0.00	0.00	0.004	O					0.00
312.583	0.00	0.00	0.004	O					0.00
312.667	0.00	0.00	0.004	O					0.00
312.750	0.00	0.00	0.004	O					0.00

312.833	0.00	0.00	0.004	O	|	|	|	0.00
312.917	0.00	0.00	0.004	O	|	|	|	0.00
313.000	0.00	0.00	0.004	O	|	|	|	0.00
313.083	0.00	0.00	0.004	O	|	|	|	0.00
313.167	0.00	0.00	0.004	O	|	|	|	0.00
313.250	0.00	0.00	0.004	O	|	|	|	0.00
313.333	0.00	0.00	0.004	O	|	|	|	0.00
313.417	0.00	0.00	0.004	O	|	|	|	0.00
313.500	0.00	0.00	0.004	O	|	|	|	0.00
313.583	0.00	0.00	0.004	O	|	|	|	0.00
313.667	0.00	0.00	0.004	O	|	|	|	0.00
313.750	0.00	0.00	0.003	O	|	|	|	0.00
313.833	0.00	0.00	0.003	O	|	|	|	0.00
313.917	0.00	0.00	0.003	O	|	|	|	0.00
314.000	0.00	0.00	0.003	O	|	|	|	0.00
314.083	0.00	0.00	0.003	O	|	|	|	0.00
314.167	0.00	0.00	0.003	O	|	|	|	0.00
314.250	0.00	0.00	0.003	O	|	|	|	0.00
314.333	0.00	0.00	0.003	O	|	|	|	0.00
314.417	0.00	0.00	0.003	O	|	|	|	0.00
314.500	0.00	0.00	0.003	O	|	|	|	0.00
314.583	0.00	0.00	0.003	O	|	|	|	0.00
314.667	0.00	0.00	0.003	O	|	|	|	0.00
314.750	0.00	0.00	0.003	O	|	|	|	0.00
314.833	0.00	0.00	0.003	O	|	|	|	0.00
314.917	0.00	0.00	0.003	O	|	|	|	0.00
315.000	0.00	0.00	0.003	O	|	|	|	0.00
315.083	0.00	0.00	0.003	O	|	|	|	0.00
315.167	0.00	0.00	0.003	O	|	|	|	0.00
315.250	0.00	0.00	0.003	O	|	|	|	0.00
315.333	0.00	0.00	0.003	O	|	|	|	0.00
315.417	0.00	0.00	0.003	O	|	|	|	0.00
315.500	0.00	0.00	0.003	O	|	|	|	0.00
315.583	0.00	0.00	0.003	O	|	|	|	0.00
315.667	0.00	0.00	0.003	O	|	|	|	0.00
315.750	0.00	0.00	0.003	O	|	|	|	0.00
315.833	0.00	0.00	0.003	O	|	|	|	0.00
315.917	0.00	0.00	0.003	O	|	|	|	0.00
316.000	0.00	0.00	0.003	O	|	|	|	0.00
316.083	0.00	0.00	0.003	O	|	|	|	0.00
316.167	0.00	0.00	0.003	O	|	|	|	0.00
316.250	0.00	0.00	0.003	O	|	|	|	0.00
316.333	0.00	0.00	0.003	O	|	|	|	0.00
316.417	0.00	0.00	0.003	O	|	|	|	0.00
316.500	0.00	0.00	0.003	O	|	|	|	0.00
316.583	0.00	0.00	0.003	O	|	|	|	0.00
316.667	0.00	0.00	0.003	O	|	|	|	0.00
316.750	0.00	0.00	0.003	O	|	|	|	0.00
316.833	0.00	0.00	0.003	O	|	|	|	0.00
316.917	0.00	0.00	0.003	O	|	|	|	0.00
317.000	0.00	0.00	0.003	O	|	|	|	0.00
317.083	0.00	0.00	0.003	O	|	|	|	0.00
317.167	0.00	0.00	0.003	O	|	|	|	0.00
317.250	0.00	0.00	0.003	O	|	|	|	0.00
317.333	0.00	0.00	0.003	O	|	|	|	0.00
317.417	0.00	0.00	0.003	O	|	|	|	0.00
317.500	0.00	0.00	0.003	O	|	|	|	0.00
317.583	0.00	0.00	0.003	O	|	|	|	0.00
317.667	0.00	0.00	0.003	O	|	|	|	0.00
317.750	0.00	0.00	0.003	O	|	|	|	0.00
317.833	0.00	0.00	0.003	O	|	|	|	0.00
317.917	0.00	0.00	0.003	O	|	|	|	0.00
318.000	0.00	0.00	0.003	O	|	|	|	0.00
318.083	0.00	0.00	0.003	O	|	|	|	0.00
318.167	0.00	0.00	0.003	O	|	|	|	0.00
318.250	0.00	0.00	0.003	O	|	|	|	0.00
318.333	0.00	0.00	0.003	O	|	|	|	0.00

```
318.417    0.00    0.00      0.003  O       |       |       |       |     0.00
318.500    0.00    0.00      0.003  O       |       |       |       |     0.00

       Remaining water in basin =    0.00 (Ac.Ft)


       ****************************HYDROGRAPH DATA****************************
                    Number of intervals =  3822
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =        2.983 (CFS)
                    Total volume =      11.613 (Ac.Ft)
              Status of hydrographs being held in storage
                         Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000     0.000     0.000
              Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
       ***********************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRH2410.rte

**********HYDROGRAPH DATA**********

Number of intervals = 295
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 38.238 (CFS)
Total volume = 23.193 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN H- ROUTING
10YR-24HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 295
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.450	0.470	1.448	1.452
2.000	3.000	0.710	2.998	3.002
3.000	4.660	1.690	4.654	4.666
4.000	6.440	2.170	6.433	6.447
5.000	8.330	2.560	8.321	8.339
6.000	10.330	2.890	10.320	10.340
7.000	12.460	3.190	12.449	12.471
8.000	14.710	3.460	14.698	14.722
9.000	17.150	83.630	16.862	17.438

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 9.6 19.12 28.68 38.24	Depth (Ft.)
0.083	0.44	0.00	0.002	O | | | |	0.00

0.167	1.53	0.00	0.008	OI	|	|	|	|	0.01
0.250	1.87	0.01	0.020	OI	|	|	|	|	0.01
0.333	2.25	0.01	0.034	OI	|	|	|	|	0.02
0.417	2.88	0.02	0.052	O I	|	|	|	|	0.04
0.500	3.11	0.02	0.072	O I	|	|	|	|	0.05
0.583	3.23	0.03	0.094	O I	|	|	|	|	0.06
0.667	3.30	0.04	0.116	O I	|	|	|	|	0.08
0.750	3.33	0.04	0.139	O I	|	|	|	|	0.10
0.833	3.57	0.05	0.162	O I	|	|	|	|	0.11
0.917	4.13	0.06	0.188	O I	|	|	|	|	0.13
1.000	4.30	0.07	0.217	O I	|	|	|	|	0.15
1.083	4.16	0.08	0.245	O I	|	|	|	|	0.17
1.167	3.66	0.09	0.272	O I	|	|	|	|	0.19
1.250	3.52	0.10	0.296	O I	|	|	|	|	0.20
1.333	3.46	0.10	0.319	O I	|	|	|	|	0.22
1.417	3.43	0.11	0.342	O I	|	|	|	|	0.24
1.500	3.40	0.12	0.365	O I	|	|	|	|	0.25
1.583	3.38	0.13	0.387	O I	|	|	|	|	0.27
1.667	3.37	0.13	0.410	O I	|	|	|	|	0.28
1.750	3.37	0.14	0.432	O I	|	|	|	|	0.30
1.833	3.59	0.15	0.455	O I	|	|	|	|	0.31
1.917	4.13	0.16	0.481	O I	|	|	|	|	0.33
2.000	4.30	0.16	0.508	O I	|	|	|	|	0.35
2.083	4.38	0.17	0.537	O I	|	|	|	|	0.37
2.167	4.43	0.18	0.566	O I	|	|	|	|	0.39
2.250	4.45	0.19	0.596	O I	|	|	|	|	0.41
2.333	4.47	0.20	0.625	O I	|	|	|	|	0.43
2.417	4.49	0.21	0.654	O I	|	|	|	|	0.45
2.500	4.49	0.22	0.684	O I	|	|	|	|	0.47
2.583	4.71	0.23	0.714	O I	|	|	|	|	0.49
2.667	5.25	0.24	0.747	O I	|	|	|	|	0.51
2.750	5.43	0.25	0.782	O I	|	|	|	|	0.54
2.833	5.50	0.26	0.818	O I	|	|	|	|	0.56
2.917	5.55	0.28	0.854	O I	|	|	|	|	0.59
3.000	5.58	0.29	0.890	O I	|	|	|	|	0.61
3.083	5.59	0.30	0.927	O I	|	|	|	|	0.64
3.167	5.61	0.31	0.963	O I	|	|	|	|	0.66
3.250	5.61	0.32	0.999	O I	|	|	|	|	0.69
3.333	5.61	0.34	1.036	O I	|	|	|	|	0.71
3.417	5.61	0.35	1.072	O I	|	|	|	|	0.74
3.500	5.61	0.36	1.108	O I	|	|	|	|	0.76
3.583	5.61	0.37	1.144	O I	|	|	|	|	0.79
3.667	5.61	0.38	1.180	O I	|	|	|	|	0.81
3.750	5.61	0.39	1.216	O I	|	|	|	|	0.84
3.833	5.83	0.41	1.253	O I	|	|	|	|	0.86
3.917	6.37	0.42	1.292	O I	|	|	|	|	0.89
4.000	6.55	0.43	1.334	O I	|	|	|	|	0.92
4.083	6.63	0.45	1.376	O I	|	|	|	|	0.95
4.167	6.67	0.46	1.419	O I	|	|	|	|	0.98
4.250	6.70	0.47	1.462	O I	|	|	|	|	1.01
4.333	6.94	0.48	1.505	O I	|	|	|	|	1.04
4.417	7.50	0.49	1.552	O I	|	|	|	|	1.07
4.500	7.67	0.49	1.601	O I	|	|	|	|	1.10
4.583	7.75	0.50	1.650	O I	|	|	|	|	1.13
4.667	7.79	0.51	1.700	O I	|	|	|	|	1.16
4.750	7.82	0.52	1.751	O I	|	|	|	|	1.19
4.833	8.06	0.52	1.802	O I	|	|	|	|	1.23
4.917	8.62	0.53	1.855	O I	|	|	|	|	1.26
5.000	8.79	0.54	1.912	O I	|	|	|	|	1.30
5.083	8.43	0.55	1.967	O I	|	|	|	|	1.33
5.167	7.39	0.56	2.018	O I	|	|	|	|	1.37
5.250	7.07	0.57	2.064	O I	|	|	|	|	1.40
5.333	7.15	0.57	2.109	O I	|	|	|	|	1.43
5.417	7.62	0.58	2.156	O I	|	|	|	|	1.46
5.500	7.74	0.59	2.205	O I	|	|	|	|	1.49
5.583	8.00	0.59	2.255	O I	|	|	|	|	1.52
5.667	8.56	0.60	2.308	O I	|	|	|	|	1.55

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 5.750    8.76    0.61      2.363  O      I|       |       |       |     1.59
 5.833    8.85    0.62      2.420  O      I|       |       |       |     1.63
 5.917    8.91    0.63      2.476  O      I|       |       |       |     1.66
 6.000    8.94    0.64      2.534  O      I|       |       |       |     1.70
 6.083    9.18    0.65      2.592  O      I|       |       |       |     1.74
 6.167    9.74    0.66      2.652  O       I       |       |       |     1.78
 6.250    9.91    0.67      2.715  O       I       |       |       |     1.82
 6.333    9.99    0.68      2.779  O       I       |       |       |     1.86
 6.417   10.04    0.69      2.844  O       I       |       |       |     1.90
 6.500   10.07    0.70      2.908  O       I       |       |       |     1.94
 6.583   10.30    0.71      2.973  O       I       |       |       |     1.98
 6.667   10.86    0.73      3.041  O       |I      |       |       |     2.02
 6.750   11.04    0.78      3.111  O       |I      |       |       |     2.07
 6.833   11.12    0.82      3.182  O       |I      |       |       |     2.11
 6.917   11.16    0.86      3.253  O       |I      |       |       |     2.15
 7.000   11.19    0.90      3.324  O       |I      |       |       |     2.20
 7.083   11.21    0.94      3.395  O       |I      |       |       |     2.24
 7.167   11.22    0.98      3.465  O       |I      |       |       |     2.28
 7.250   11.22    1.03      3.536  O       |I      |       |       |     2.32
 7.333   11.44    1.07      3.607  O       |I      |       |       |     2.37
 7.417   11.99    1.11      3.680  O       | I     |       |       |     2.41
 7.500   12.16    1.16      3.755  O       | I     |       |       |     2.45
 7.583   12.46    1.20      3.832  |O      | I     |       |       |     2.50
 7.667   13.05    1.25      3.911  |O      | I     |       |       |     2.55
 7.750   13.25    1.30      3.993  |O      |  I    |       |       |     2.60
 7.833   13.56    1.35      4.076  |O      |  I    |       |       |     2.65
 7.917   14.17    1.40      4.162  |O      |  I    |       |       |     2.70
 8.000   14.37    1.45      4.251  |O      |   I   |       |       |     2.75
 8.083   14.90    1.50      4.341  |O      |   I   |       |       |     2.81
 8.167   16.05    1.56      4.437  |O      |    I  |       |       |     2.87
 8.250   16.43    1.62      4.538  |O      |    I  |       |       |     2.93
 8.333   16.60    1.68      4.641  |O      |    I  |       |       |     2.99
 8.417   16.71    1.71      4.744  |O      |    I  |       |       |     3.05
 8.500   16.76    1.74      4.847  |O      |     I |       |       |     3.11
 8.583   17.02    1.77      4.951  |O      |     I |       |       |     3.16
 8.667   17.60    1.80      5.058  |O      |     I |       |       |     3.22
 8.750   17.77    1.83      5.168  |O      |     I |       |       |     3.29
 8.833   18.07    1.86      5.278  |O      |      I|       |       |     3.35
 8.917   18.66    1.89      5.392  |O      |      I|       |       |     3.41
 9.000   18.86    1.92      5.508  |O      |      I|       |       |     3.48
 9.083   19.39    1.95      5.626  |O      |       I       |       |     3.54
 9.167   20.54    1.98      5.750  |O      |       |I      |       |     3.61
 9.250   20.92    2.02      5.879  |O      |       |I      |       |     3.68
 9.333   21.31    2.05      6.011  |O      |       |I      |       |     3.76
 9.417   21.96    2.09      6.145  |O      |       | I     |       |     3.83
 9.500   22.19    2.13      6.283  |O      |       | I     |       |     3.91
 9.583   22.52    2.17      6.422  |O      |       | I     |       |     3.99
 9.667   23.14    2.20      6.564  |O      |       |  I    |       |     4.07
 9.750   23.35    2.23      6.709  |O      |       |  I    |       |     4.14
 9.833   23.66    2.26      6.856  |O      |       |  I    |       |     4.22
 9.917   24.27    2.29      7.005  |O      |       |   I   |       |     4.30
10.000   24.47    2.32      7.157  |O      |       |   I   |       |     4.38
10.083   23.03    2.35      7.304  |O      |       |  I    |       |     4.46
10.167   19.28    2.38      7.434  |O      |       I       |       |     4.53
10.250   18.09    2.40      7.546  | O     |      I|       |       |     4.59
10.333   17.56    2.42      7.652  | O     |     I |       |       |     4.64
10.417   17.27    2.44      7.755  | O     |     I |       |       |     4.70
10.500   17.07    2.46      7.857  | O     |     I |       |       |     4.75
10.583   18.05    2.48      7.961  | O     |      I|       |       |     4.80
10.667   20.65    2.51      8.077  | O     |       |I      |       |     4.87
10.750   21.52    2.53      8.205  | O     |       | I     |       |     4.93
10.833   21.91    2.56      8.337  | O     |       | I     |       |     5.00
10.917   22.13    2.58      8.471  | O     |       | I     |       |     5.07
11.000   22.27    2.61      8.606  | O     |       | I     |       |     5.14
11.083   22.14    2.63      8.741  | O     |       | I     |       |     5.21
11.167   21.68    2.65      8.873  | O     |       | I     |       |     5.27
11.250   21.51    2.67      9.004  | O     |       |I      |       |     5.34
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11.333	21.43	2.69	9.133	O		I			5.40
11.417	21.38	2.71	9.262	O		I			5.47
11.500	21.35	2.73	9.390	O		I			5.53
11.583	20.90	2.76	9.517	O		I			5.59
11.667	19.79	2.78	9.638	O		I			5.65
11.750	19.45	2.79	9.754	O		I			5.71
11.833	19.51	2.81	9.869	O		I			5.77
11.917	19.96	2.83	9.985	O		I			5.83
12.000	20.08	2.85	10.103	O		I			5.89
12.083	21.66	2.87	10.227	O		I			5.95
12.167	25.48	2.90	10.370	O		I			6.02
12.250	26.73	2.92	10.530	O		I			6.09
12.333	27.51	2.94	10.696	O		I			6.17
12.417	28.38	2.97	10.868	O		I			6.25
12.500	28.75	2.99	11.045	O		I			6.34
12.583	29.39	3.02	11.224	O		I			6.42
12.667	30.64	3.04	11.410	O		I			6.51
12.750	31.02	3.07	11.601	O		I			6.60
12.833	31.41	3.10	11.795	O		I			6.69
12.917	32.06	3.12	11.992	O		I			6.78
13.000	32.29	3.15	12.192	O		I			6.87
13.083	33.51	3.18	12.397	O		I			6.97
13.167	36.34	3.21	12.616	O		I			7.07
13.250	37.28	3.24	12.847	O		I			7.17
13.333	37.75	3.26	13.083	O		I			7.28
13.417	38.04	3.29	13.321	O		I			7.38
13.500	38.24	3.32	13.561	O		I			7.49
13.583	35.89	3.35	13.793	O		I			7.59
13.667	29.84	3.37	13.997	O		I			7.68
13.750	27.89	3.40	14.172	O		I			7.76
13.833	27.01	3.42	14.338	O		I			7.83
13.917	26.51	3.43	14.498	O		I			7.91
14.000	26.19	3.45	14.656	O		I			7.98
14.083	26.87	6.56	14.804	O		I			8.04
14.167	28.86	10.89	14.936	O		I			8.09
14.250	29.56	14.61	15.049	O		I			8.14
14.333	29.65	17.66	15.142	O		I			8.18
14.417	29.28	20.06	15.215	O		I			8.21
14.500	29.23	21.93	15.272	O		I			8.23
14.583	29.22	23.41	15.317	O		I			8.25
14.667	29.24	24.59	15.353	O		I			8.26
14.750	29.21	25.54	15.382	O		I			8.28
14.833	28.97	26.26	15.404	O		I			8.28
14.917	28.41	26.75	15.419	O		I			8.29
15.000	28.24	27.07	15.429	O		I			8.29
15.083	27.94	27.28	15.435	O		I			8.30
15.167	27.35	**27.35**	**15.437**	**O**		**I**			**8.30**
15.250	27.15	27.33	15.437	O		I			8.30
15.333	26.83	27.26	15.434	O		I			8.30
15.417	26.23	27.11	15.430	O		I			8.30
15.500	26.03	26.91	15.424	O		I			8.29
15.583	25.05	26.64	15.415	O		I			8.29
15.667	22.82	26.09	15.399	O		I			8.28
15.750	22.09	25.35	15.376	O		I			8.27
15.833	21.76	24.65	15.355	O		I			8.26
15.917	21.57	24.05	15.337	O		I			8.26
16.000	21.46	23.53	15.321	O		I			8.25
16.083	18.09	22.77	15.298	O		I			8.24
16.167	9.86	20.98	15.243	O		I			8.22
16.250	7.26	18.46	15.166	O		I			8.19
16.333	6.08	16.06	15.093	O		I			8.16
16.417	5.42	13.96	15.030	O		I			8.13
16.500	5.00	12.19	14.976	O		I			8.11
16.583	4.51	10.67	14.930	O		I			8.09
16.667	3.72	9.34	14.889	O		I			8.07
16.750	3.55	8.18	14.854	O		I			8.06
16.833	3.47	7.23	14.825	O		I			8.05

16.917	3.43	6.46	14.801	I O				8.04
17.000	3.40	5.84	14.783	I O				8.03
17.083	3.82	5.39	14.769	IO				8.02
17.167	4.89	5.18	14.762	O				8.02
17.250	5.24	5.16	14.762	O				8.02
17.333	5.40	5.19	14.763	O				8.02
17.417	5.49	5.24	14.764	O				8.02
17.500	5.54	5.30	14.766	O				8.02
17.583	5.58	5.35	14.768	O				8.02
17.667	5.61	5.40	14.769	O				8.02
17.750	5.61	5.44	14.770	O				8.02
17.833	5.39	5.45	14.771	O				8.02
17.917	4.85	5.39	14.769	O				8.02
18.000	4.67	5.26	14.765	IO				8.02
18.083	4.59	5.13	14.761	IO				8.02
18.167	4.55	5.02	14.757	IO				8.02
18.250	4.52	4.92	14.754	IO				8.02
18.333	4.50	4.84	14.752	IO				8.02
18.417	4.49	4.77	14.750	O				8.02
18.500	4.49	4.71	14.748	O				8.02
18.583	4.27	4.64	14.746	O				8.01
18.667	3.72	4.51	14.742	O				8.01
18.750	3.55	4.33	14.737	IO				8.01
18.833	3.25	4.15	14.731	IO				8.01
18.917	2.66	3.90	14.724	IO				8.01
19.000	2.46	3.63	14.715	IO				8.00
19.083	2.59	3.46	14.708	O				8.00
19.167	3.07	3.46	14.704	O				8.00
19.250	3.22	3.46	14.702	O				8.00
19.333	3.50	3.46	14.701	O				8.00
19.417	4.07	3.46	14.703	OI				8.00
19.500	4.27	3.46	14.708	OI				8.00
19.583	4.15	3.56	14.713	OI				8.00
19.667	3.66	3.63	14.715	O				8.00
19.750	3.52	3.62	14.715	IO				8.00
19.833	3.24	3.57	14.713	O				8.00
19.917	2.66	3.46	14.709	O				8.00
20.000	2.46	3.46	14.703	O				8.00
20.083	2.59	3.46	14.697	O				7.99
20.167	3.07	3.46	14.693	O				7.99
20.250	3.22	3.46	14.690	O				7.99
20.333	3.28	3.46	14.689	O				7.99
20.417	3.30	3.46	14.688	O				7.99
20.500	3.33	3.46	14.687	O				7.99
20.583	3.35	3.46	14.686	O				7.99
20.667	3.37	3.46	14.685	O				7.99
20.750	3.37	3.46	14.685	O				7.99
20.833	3.15	3.46	14.683	O				7.99
20.917	2.60	3.46	14.679	O				7.99
21.000	2.43	3.46	14.673	O				7.98
21.083	2.57	3.45	14.666	O				7.98
21.167	3.07	3.45	14.662	O				7.98
21.250	3.22	3.45	14.660	O				7.98
21.333	3.06	3.45	14.658	O				7.98
21.417	2.54	3.45	14.653	O				7.97
21.500	2.40	3.45	14.646	O				7.97
21.583	2.55	3.45	14.640	O				7.97
21.667	3.07	3.45	14.635	O				7.97
21.750	3.22	3.45	14.633	O				7.97
21.833	3.06	3.45	14.631	O				7.96
21.917	2.54	3.45	14.626	O				7.96
22.000	2.40	3.45	14.620	O				7.96
22.083	2.55	3.45	14.613	O				7.96
22.167	3.07	3.45	14.608	O				7.95
22.250	3.22	3.45	14.606	O				7.95
22.333	3.06	3.45	14.604	O				7.95
22.417	2.54	3.45	14.600	O				7.95

22.500	2.40	3.45	14.593	| O	|	|	|	| 7.95
22.583	2.33	3.45	14.586	|IO	|	|	|	| 7.94
22.667	2.31	3.44	14.578	|IO	|	|	|	| 7.94
22.750	2.28	3.44	14.570	|IO	|	|	|	| 7.94
22.833	2.26	3.44	14.562	|IO	|	|	|	| 7.93
22.917	2.24	3.44	14.554	|IO	|	|	|	| 7.93
23.000	2.24	3.44	14.545	|IO	|	|	|	| 7.93
23.083	2.24	3.44	14.537	|IO	|	|	|	| 7.92
23.167	2.24	3.44	14.529	|IO	|	|	|	| 7.92
23.250	2.24	3.44	14.521	|IO	|	|	|	| 7.92
23.333	2.24	3.44	14.513	|IO	|	|	|	| 7.91
23.417	2.24	3.44	14.504	|IO	|	|	|	| 7.91
23.500	2.24	3.43	14.496	|IO	|	|	|	| 7.90
23.583	2.24	3.43	14.488	|IO	|	|	|	| 7.90
23.667	2.24	3.43	14.480	|IO	|	|	|	| 7.90
23.750	2.24	3.43	14.472	|IO	|	|	|	| 7.89
23.833	2.24	3.43	14.463	|IO	|	|	|	| 7.89
23.917	2.24	3.43	14.455	|IO	|	|	|	| 7.89
24.000	2.24	3.43	14.447	|IO	|	|	|	| 7.88
24.083	1.80	3.43	14.437	|IO	|	|	|	| 7.88
24.167	0.72	3.43	14.422	I O	|	|	|	| 7.87
24.250	0.37	3.42	14.403	I O	|	|	|	| 7.86
24.333	0.21	3.42	14.381	I O	|	|	|	| 7.85
24.417	0.12	3.42	14.359	I O	|	|	|	| 7.84
24.500	0.07	3.42	14.336	I O	|	|	|	| 7.83
24.583	0.03	3.41	14.313	I O	|	|	|	| 7.82
24.667	0.00	3.41	14.289	I O	|	|	|	| 7.81
24.750	0.00	3.41	14.266	I O	|	|	|	| 7.80
24.833	0.00	3.40	14.242	I O	|	|	|	| 7.79
24.917	0.00	3.40	14.219	I O	|	|	|	| 7.78
25.000	0.00	3.40	14.196	I O	|	|	|	| 7.77
25.083	0.00	3.40	14.172	I O	|	|	|	| 7.76
25.167	0.00	3.39	14.149	I O	|	|	|	| 7.75
25.250	0.00	3.39	14.125	I O	|	|	|	| 7.74
25.333	0.00	3.39	14.102	I O	|	|	|	| 7.73
25.417	0.00	3.38	14.079	I O	|	|	|	| 7.72
25.500	0.00	3.38	14.055	I O	|	|	|	| 7.71
25.583	0.00	3.38	14.032	I O	|	|	|	| 7.70
25.667	0.00	3.38	14.009	I O	|	|	|	| 7.69
25.750	0.00	3.37	13.986	I O	|	|	|	| 7.68
25.833	0.00	3.37	13.962	I O	|	|	|	| 7.67
25.917	0.00	3.37	13.939	I O	|	|	|	| 7.66
26.000	0.00	3.36	13.916	I O	|	|	|	| 7.65
26.083	0.00	3.36	13.893	I O	|	|	|	| 7.64
26.167	0.00	3.36	13.870	I O	|	|	|	| 7.63
26.250	0.00	3.36	13.847	I O	|	|	|	| 7.62
26.333	0.00	3.35	13.824	I O	|	|	|	| 7.61
26.417	0.00	3.35	13.800	I O	|	|	|	| 7.60
26.500	0.00	3.35	13.777	I O	|	|	|	| 7.59
26.583	0.00	3.35	13.754	I O	|	|	|	| 7.58
26.667	0.00	3.34	13.731	I O	|	|	|	| 7.57
26.750	0.00	3.34	13.708	I O	|	|	|	| 7.55
26.833	0.00	3.34	13.685	I O	|	|	|	| 7.54
26.917	0.00	3.33	13.662	I O	|	|	|	| 7.53
27.000	0.00	3.33	13.639	I O	|	|	|	| 7.52
27.083	0.00	3.33	13.616	I O	|	|	|	| 7.51
27.167	0.00	3.33	13.593	I O	|	|	|	| 7.50
27.250	0.00	3.32	13.571	I O	|	|	|	| 7.49
27.333	0.00	3.32	13.548	I O	|	|	|	| 7.48
27.417	0.00	3.32	13.525	I O	|	|	|	| 7.47
27.500	0.00	3.32	13.502	I O	|	|	|	| 7.46
27.583	0.00	3.31	13.479	I O	|	|	|	| 7.45
27.667	0.00	3.31	13.456	I O	|	|	|	| 7.44
27.750	0.00	3.31	13.434	I O	|	|	|	| 7.43
27.833	0.00	3.30	13.411	I O	|	|	|	| 7.42
27.917	0.00	3.30	13.388	I O	|	|	|	| 7.41
28.000	0.00	3.30	13.365	I O	|	|	|	| 7.40

28.083	0.00	3.30	13.343	I O	|	|	|	7.39
28.167	0.00	3.29	13.320	I O	|	|	|	7.38
28.250	0.00	3.29	13.297	I O	|	|	|	7.37
28.333	0.00	3.29	13.275	I O	|	|	|	7.36
28.417	0.00	3.29	13.252	I O	|	|	|	7.35
28.500	0.00	3.28	13.229	I O	|	|	|	7.34
28.583	0.00	3.28	13.207	I O	|	|	|	7.33
28.667	0.00	3.28	13.184	I O	|	|	|	7.32
28.750	0.00	3.27	13.162	I O	|	|	|	7.31
28.833	0.00	3.27	13.139	I O	|	|	|	7.30
28.917	0.00	3.27	13.117	I O	|	|	|	7.29
29.000	0.00	3.27	13.094	I O	|	|	|	7.28
29.083	0.00	3.26	13.072	I O	|	|	|	7.27
29.167	0.00	3.26	13.049	I O	|	|	|	7.26
29.250	0.00	3.26	13.027	I O	|	|	|	7.25
29.333	0.00	3.26	13.004	I O	|	|	|	7.24
29.417	0.00	3.25	12.982	I O	|	|	|	7.23
29.500	0.00	3.25	12.959	I O	|	|	|	7.22
29.583	0.00	3.25	12.937	I O	|	|	|	7.21
29.667	0.00	3.24	12.915	I O	|	|	|	7.20
29.750	0.00	3.24	12.892	I O	|	|	|	7.19
29.833	0.00	3.24	12.870	I O	|	|	|	7.18
29.917	0.00	3.24	12.848	I O	|	|	|	7.17
30.000	0.00	3.23	12.826	I O	|	|	|	7.16
30.083	0.00	3.23	12.803	I O	|	|	|	7.15
30.167	0.00	3.23	12.781	I O	|	|	|	7.14
30.250	0.00	3.23	12.759	I O	|	|	|	7.13
30.333	0.00	3.22	12.737	I O	|	|	|	7.12
30.417	0.00	3.22	12.714	I O	|	|	|	7.11
30.500	0.00	3.22	12.692	I O	|	|	|	7.10
30.583	0.00	3.22	12.670	I O	|	|	|	7.09
30.667	0.00	3.21	12.648	I O	|	|	|	7.08
30.750	0.00	3.21	12.626	I O	|	|	|	7.07
30.833	0.00	3.21	12.604	I O	|	|	|	7.06
30.917	0.00	3.20	12.582	I O	|	|	|	7.05
31.000	0.00	3.20	12.560	I O	|	|	|	7.04
31.083	0.00	3.20	12.538	I O	|	|	|	7.03
31.167	0.00	3.20	12.516	I O	|	|	|	7.02
31.250	0.00	3.19	12.493	I O	|	|	|	7.01
31.333	0.00	3.19	12.472	I O	|	|	|	7.01
31.417	0.00	3.19	12.450	I O	|	|	|	7.00
31.500	0.00	3.19	12.428	I O	|	|	|	6.98
31.583	0.00	3.18	12.406	I O	|	|	|	6.97
31.667	0.00	3.18	12.384	I O	|	|	|	6.96
31.750	0.00	3.18	12.362	I O	|	|	|	6.95
31.833	0.00	3.17	12.340	I O	|	|	|	6.94
31.917	0.00	3.17	12.318	I O	|	|	|	6.93
32.000	0.00	3.17	12.296	I O	|	|	|	6.92
32.083	0.00	3.16	12.275	I O	|	|	|	6.91
32.167	0.00	3.16	12.253	I O	|	|	|	6.90
32.250	0.00	3.16	12.231	I O	|	|	|	6.89
32.333	0.00	3.15	12.209	I O	|	|	|	6.88
32.417	0.00	3.15	12.188	I O	|	|	|	6.87
32.500	0.00	3.15	12.166	I O	|	|	|	6.86
32.583	0.00	3.15	12.144	I O	|	|	|	6.85
32.667	0.00	3.14	12.123	I O	|	|	|	6.84
32.750	0.00	3.14	12.101	I O	|	|	|	6.83
32.833	0.00	3.14	12.079	I O	|	|	|	6.82
32.917	0.00	3.13	12.058	I O	|	|	|	6.81
33.000	0.00	3.13	12.036	I O	|	|	|	6.80
33.083	0.00	3.13	12.015	I O	|	|	|	6.79
33.167	0.00	3.12	11.993	I O	|	|	|	6.78
33.250	0.00	3.12	11.972	I O	|	|	|	6.77
33.333	0.00	3.12	11.950	I O	|	|	|	6.76
33.417	0.00	3.12	11.929	I O	|	|	|	6.75
33.500	0.00	3.11	11.907	I O	|	|	|	6.74
33.583	0.00	3.11	11.886	I O	|	|	|	6.73

33.667	0.00	3.11	11.864	I	O	|	|	|	| 6.72
33.750	0.00	3.10	11.843	I	O	|	|	|	| 6.71
33.833	0.00	3.10	11.822	I	O	|	|	|	| 6.70
33.917	0.00	3.10	11.800	I	O	|	|	|	| 6.69
34.000	0.00	3.09	11.779	I	O	|	|	|	| 6.68
34.083	0.00	3.09	11.758	I	O	|	|	|	| 6.67
34.167	0.00	3.09	11.736	I	O	|	|	|	| 6.66
34.250	0.00	3.09	11.715	I	O	|	|	|	| 6.65
34.333	0.00	3.08	11.694	I	O	|	|	|	| 6.64
34.417	0.00	3.08	11.673	I	O	|	|	|	| 6.63
34.500	0.00	3.08	11.651	I	O	|	|	|	| 6.62
34.583	0.00	3.07	11.630	I	O	|	|	|	| 6.61
34.667	0.00	3.07	11.609	I	O	|	|	|	| 6.60
34.750	0.00	3.07	11.588	I	O	|	|	|	| 6.59
34.833	0.00	3.06	11.567	I	O	|	|	|	| 6.58
34.917	0.00	3.06	11.546	I	O	|	|	|	| 6.57
35.000	0.00	3.06	11.525	I	O	|	|	|	| 6.56
35.083	0.00	3.06	11.504	I	O	|	|	|	| 6.55
35.167	0.00	3.05	11.483	I	O	|	|	|	| 6.54
35.250	0.00	3.05	11.462	I	O	|	|	|	| 6.53
35.333	0.00	3.05	11.441	I	O	|	|	|	| 6.52
35.417	0.00	3.04	11.420	I	O	|	|	|	| 6.51
35.500	0.00	3.04	11.399	I	O	|	|	|	| 6.50
35.583	0.00	3.04	11.378	I	O	|	|	|	| 6.49
35.667	0.00	3.03	11.357	I	O	|	|	|	| 6.48
35.750	0.00	3.03	11.336	I	O	|	|	|	| 6.47
35.833	0.00	3.03	11.315	I	O	|	|	|	| 6.46
35.917	0.00	3.03	11.294	I	O	|	|	|	| 6.45
36.000	0.00	3.02	11.273	I	O	|	|	|	| 6.44
36.083	0.00	3.02	11.253	I	O	|	|	|	| 6.43
36.167	0.00	3.02	11.232	I	O	|	|	|	| 6.42
36.250	0.00	3.01	11.211	I	O	|	|	|	| 6.41
36.333	0.00	3.01	11.190	I	O	|	|	|	| 6.40
36.417	0.00	3.01	11.170	I	O	|	|	|	| 6.39
36.500	0.00	3.01	11.149	I	O	|	|	|	| 6.38
36.583	0.00	3.00	11.128	I	O	|	|	|	| 6.37
36.667	0.00	3.00	11.108	I	O	|	|	|	| 6.37
36.750	0.00	3.00	11.087	I	O	|	|	|	| 6.36
36.833	0.00	2.99	11.066	I	O	|	|	|	| 6.35
36.917	0.00	2.99	11.046	I	O	|	|	|	| 6.34
37.000	0.00	2.99	11.025	I	O	|	|	|	| 6.33
37.083	0.00	2.98	11.004	I	O	|	|	|	| 6.32
37.167	0.00	2.98	10.984	I	O	|	|	|	| 6.31
37.250	0.00	2.98	10.963	I	O	|	|	|	| 6.30
37.333	0.00	2.98	10.943	I	O	|	|	|	| 6.29
37.417	0.00	2.97	10.922	I	O	|	|	|	| 6.28
37.500	0.00	2.97	10.902	I	O	|	|	|	| 6.27
37.583	0.00	2.97	10.881	I	O	|	|	|	| 6.26
37.667	0.00	2.96	10.861	I	O	|	|	|	| 6.25
37.750	0.00	2.96	10.841	I	O	|	|	|	| 6.24
37.833	0.00	2.96	10.820	I	O	|	|	|	| 6.23
37.917	0.00	2.96	10.800	I	O	|	|	|	| 6.22
38.000	0.00	2.95	10.780	I	O	|	|	|	| 6.21
38.083	0.00	2.95	10.759	I	O	|	|	|	| 6.20
38.167	0.00	2.95	10.739	I	O	|	|	|	| 6.19
38.250	0.00	2.94	10.719	I	O	|	|	|	| 6.18
38.333	0.00	2.94	10.698	I	O	|	|	|	| 6.17
38.417	0.00	2.94	10.678	I	O	|	|	|	| 6.16
38.500	0.00	2.94	10.658	I	O	|	|	|	| 6.15
38.583	0.00	2.93	10.638	I	O	|	|	|	| 6.14
38.667	0.00	2.93	10.617	I	O	|	|	|	| 6.13
38.750	0.00	2.93	10.597	I	O	|	|	|	| 6.13
38.833	0.00	2.92	10.577	I	O	|	|	|	| 6.12
38.917	0.00	2.92	10.557	I	O	|	|	|	| 6.11
39.000	0.00	2.92	10.537	I	O	|	|	|	| 6.10
39.083	0.00	2.92	10.517	I	O	|	|	|	| 6.09
39.167	0.00	2.91	10.497	I	O	|	|	|	| 6.08

39.250	0.00	2.91	10.477	I O	|	|	|	| 6.07
39.333	0.00	2.91	10.457	I O	|	|	|	| 6.06
39.417	0.00	2.91	10.437	I O	|	|	|	| 6.05
39.500	0.00	2.90	10.417	I O	|	|	|	| 6.04
39.583	0.00	2.90	10.397	I O	|	|	|	| 6.03
39.667	0.00	2.90	10.377	I O	|	|	|	| 6.02
39.750	0.00	2.89	10.357	I O	|	|	|	| 6.01
39.833	0.00	2.89	10.337	I O	|	|	|	| 6.00
39.917	0.00	2.89	10.317	I O	|	|	|	| 5.99
40.000	0.00	2.88	10.297	I O	|	|	|	| 5.98
40.083	0.00	2.88	10.277	I O	|	|	|	| 5.97
40.167	0.00	2.88	10.257	I O	|	|	|	| 5.96
40.250	0.00	2.87	10.238	I O	|	|	|	| 5.95
40.333	0.00	2.87	10.218	I O	|	|	|	| 5.94
40.417	0.00	2.87	10.198	I O	|	|	|	| 5.93
40.500	0.00	2.86	10.178	I O	|	|	|	| 5.92
40.583	0.00	2.86	10.159	I O	|	|	|	| 5.91
40.667	0.00	2.86	10.139	I O	|	|	|	| 5.90
40.750	0.00	2.86	10.119	I O	|	|	|	| 5.89
40.833	0.00	2.85	10.099	I O	|	|	|	| 5.88
40.917	0.00	2.85	10.080	I O	|	|	|	| 5.87
41.000	0.00	2.85	10.060	I O	|	|	|	| 5.87
41.083	0.00	2.84	10.041	I O	|	|	|	| 5.86
41.167	0.00	2.84	10.021	I O	|	|	|	| 5.85
41.250	0.00	2.84	10.002	I O	|	|	|	| 5.84
41.333	0.00	2.83	9.982	I O	|	|	|	| 5.83
41.417	0.00	2.83	9.963	I O	|	|	|	| 5.82
41.500	0.00	2.83	9.943	I O	|	|	|	| 5.81
41.583	0.00	2.82	9.924	I O	|	|	|	| 5.80
41.667	0.00	2.82	9.904	I O	|	|	|	| 5.79
41.750	0.00	2.82	9.885	I O	|	|	|	| 5.78
41.833	0.00	2.81	9.865	I O	|	|	|	| 5.77
41.917	0.00	2.81	9.846	I O	|	|	|	| 5.76
42.000	0.00	2.81	9.827	I O	|	|	|	| 5.75
42.083	0.00	2.80	9.807	I O	|	|	|	| 5.74
42.167	0.00	2.80	9.788	I O	|	|	|	| 5.73
42.250	0.00	2.80	9.769	I O	|	|	|	| 5.72
42.333	0.00	2.79	9.750	I O	|	|	|	| 5.71
42.417	0.00	2.79	9.730	I O	|	|	|	| 5.70
42.500	0.00	2.79	9.711	I O	|	|	|	| 5.69
42.583	0.00	2.78	9.692	I O	|	|	|	| 5.68
42.667	0.00	2.78	9.673	I O	|	|	|	| 5.67
42.750	0.00	2.78	9.654	I O	|	|	|	| 5.66
42.833	0.00	2.78	9.634	I O	|	|	|	| 5.65
42.917	0.00	2.77	9.615	I O	|	|	|	| 5.64
43.000	0.00	2.77	9.596	I O	|	|	|	| 5.63
43.083	0.00	2.77	9.577	I O	|	|	|	| 5.62
43.167	0.00	2.76	9.558	I O	|	|	|	| 5.61
43.250	0.00	2.76	9.539	I O	|	|	|	| 5.60
43.333	0.00	2.76	9.520	I O	|	|	|	| 5.60
43.417	0.00	2.75	9.501	I O	|	|	|	| 5.59
43.500	0.00	2.75	9.482	I O	|	|	|	| 5.58
43.583	0.00	2.75	9.463	I O	|	|	|	| 5.57
43.667	0.00	2.74	9.444	I O	|	|	|	| 5.56
43.750	0.00	2.74	9.426	I O	|	|	|	| 5.55
43.833	0.00	2.74	9.407	I O	|	|	|	| 5.54
43.917	0.00	2.73	9.388	I O	|	|	|	| 5.53
44.000	0.00	2.73	9.369	I O	|	|	|	| 5.52
44.083	0.00	2.73	9.350	I O	|	|	|	| 5.51
44.167	0.00	2.73	9.331	I O	|	|	|	| 5.50
44.250	0.00	2.72	9.313	I O	|	|	|	| 5.49
44.333	0.00	2.72	9.294	I O	|	|	|	| 5.48
44.417	0.00	2.72	9.275	I O	|	|	|	| 5.47
44.500	0.00	2.71	9.257	I O	|	|	|	| 5.46
44.583	0.00	2.71	9.238	I O	|	|	|	| 5.45
44.667	0.00	2.71	9.219	I O	|	|	|	| 5.44
44.750	0.00	2.70	9.201	I O	|	|	|	| 5.44

44.833	0.00	2.70	9.182	I O	|	|	|	| 5.43
44.917	0.00	2.70	9.163	I O	|	|	|	| 5.42
45.000	0.00	2.69	9.145	I O	|	|	|	| 5.41
45.083	0.00	2.69	9.126	I O	|	|	|	| 5.40
45.167	0.00	2.69	9.108	I O	|	|	|	| 5.39
45.250	0.00	2.69	9.089	I O	|	|	|	| 5.38
45.333	0.00	2.68	9.071	I O	|	|	|	| 5.37
45.417	0.00	2.68	9.052	I O	|	|	|	| 5.36
45.500	0.00	2.68	9.034	I O	|	|	|	| 5.35
45.583	0.00	2.67	9.015	I O	|	|	|	| 5.34
45.667	0.00	2.67	8.997	I O	|	|	|	| 5.33
45.750	0.00	2.67	8.979	I O	|	|	|	| 5.32
45.833	0.00	2.66	8.960	I O	|	|	|	| 5.32
45.917	0.00	2.66	8.942	I O	|	|	|	| 5.31
46.000	0.00	2.66	8.924	I O	|	|	|	| 5.30
46.083	0.00	2.65	8.905	I O	|	|	|	| 5.29
46.167	0.00	2.65	8.887	I O	|	|	|	| 5.28
46.250	0.00	2.65	8.869	I O	|	|	|	| 5.27
46.333	0.00	2.65	8.851	I O	|	|	|	| 5.26
46.417	0.00	2.64	8.832	I O	|	|	|	| 5.25
46.500	0.00	2.64	8.814	I O	|	|	|	| 5.24
46.583	0.00	2.64	8.796	I O	|	|	|	| 5.23
46.667	0.00	2.63	8.778	I O	|	|	|	| 5.22
46.750	0.00	2.63	8.760	I O	|	|	|	| 5.21
46.833	0.00	2.63	8.742	I O	|	|	|	| 5.21
46.917	0.00	2.62	8.724	I O	|	|	|	| 5.20
47.000	0.00	2.62	8.705	I O	|	|	|	| 5.19
47.083	0.00	2.62	8.687	I O	|	|	|	| 5.18
47.167	0.00	2.62	8.669	I O	|	|	|	| 5.17
47.250	0.00	2.61	8.651	I O	|	|	|	| 5.16
47.333	0.00	2.61	8.633	I O	|	|	|	| 5.15
47.417	0.00	2.61	8.615	I O	|	|	|	| 5.14
47.500	0.00	2.60	8.597	I O	|	|	|	| 5.13
47.583	0.00	2.60	8.580	I O	|	|	|	| 5.12
47.667	0.00	2.60	8.562	I O	|	|	|	| 5.12
47.750	0.00	2.60	8.544	I O	|	|	|	| 5.11
47.833	0.00	2.59	8.526	I O	|	|	|	| 5.10
47.917	0.00	2.59	8.508	I O	|	|	|	| 5.09
48.000	0.00	2.59	8.490	I O	|	|	|	| 5.08
48.083	0.00	2.58	8.472	I O	|	|	|	| 5.07
48.167	0.00	2.58	8.455	I O	|	|	|	| 5.06
48.250	0.00	2.58	8.437	I O	|	|	|	| 5.05
48.333	0.00	2.57	8.419	I O	|	|	|	| 5.04
48.417	0.00	2.57	8.401	I O	|	|	|	| 5.04
48.500	0.00	2.57	8.384	I O	|	|	|	| 5.03
48.583	0.00	2.57	8.366	I O	|	|	|	| 5.02
48.667	0.00	2.56	8.348	I O	|	|	|	| 5.01
48.750	0.00	2.56	8.331	I O	|	|	|	| 5.00
48.833	0.00	2.56	8.313	I O	|	|	|	| 4.99
48.917	0.00	2.55	8.296	I O	|	|	|	| 4.98
49.000	0.00	2.55	8.278	I O	|	|	|	| 4.97
49.083	0.00	2.55	8.260	I O	|	|	|	| 4.96
49.167	0.00	2.54	8.243	I O	|	|	|	| 4.95
49.250	0.00	2.54	8.225	I O	|	|	|	| 4.94
49.333	0.00	2.53	8.208	I O	|	|	|	| 4.94
49.417	0.00	2.53	8.190	I O	|	|	|	| 4.93
49.500	0.00	2.53	8.173	I O	|	|	|	| 4.92
49.583	0.00	2.52	8.156	I O	|	|	|	| 4.91
49.667	0.00	2.52	8.138	I O	|	|	|	| 4.90
49.750	0.00	2.52	8.121	I O	|	|	|	| 4.89
49.833	0.00	2.51	8.104	I O	|	|	|	| 4.88
49.917	0.00	2.51	8.086	I O	|	|	|	| 4.87
50.000	0.00	2.51	8.069	I O	|	|	|	| 4.86
50.083	0.00	2.50	8.052	I O	|	|	|	| 4.85
50.167	0.00	2.50	8.035	I O	|	|	|	| 4.84
50.250	0.00	2.50	8.017	I O	|	|	|	| 4.83
50.333	0.00	2.49	8.000	I O	|	|	|	| 4.83

50.417	0.00	2.49	7.983	I O	|	|	|	4.82
50.500	0.00	2.48	7.966	I O	|	|	|	4.81
50.583	0.00	2.48	7.949	I O	|	|	|	4.80
50.667	0.00	2.48	7.932	I O	|	|	|	4.79
50.750	0.00	2.47	7.915	I O	|	|	|	4.78
50.833	0.00	2.47	7.898	I O	|	|	|	4.77
50.917	0.00	2.47	7.881	I O	|	|	|	4.76
51.000	0.00	2.46	7.864	I O	|	|	|	4.75
51.083	0.00	2.46	7.847	I O	|	|	|	4.74
51.167	0.00	2.46	7.830	I O	|	|	|	4.74
51.250	0.00	2.45	7.813	I O	|	|	|	4.73
51.333	0.00	2.45	7.796	I O	|	|	|	4.72
51.417	0.00	2.45	7.779	I O	|	|	|	4.71
51.500	0.00	2.44	7.762	I O	|	|	|	4.70
51.583	0.00	2.44	7.745	I O	|	|	|	4.69
51.667	0.00	2.44	7.729	I O	|	|	|	4.68
51.750	0.00	2.43	7.712	I O	|	|	|	4.67
51.833	0.00	2.43	7.695	I O	|	|	|	4.66
51.917	0.00	2.43	7.678	I O	|	|	|	4.66
52.000	0.00	2.42	7.662	I O	|	|	|	4.65
52.083	0.00	2.42	7.645	I O	|	|	|	4.64
52.167	0.00	2.42	7.628	I O	|	|	|	4.63
52.250	0.00	2.41	7.612	I O	|	|	|	4.62
52.333	0.00	2.41	7.595	I O	|	|	|	4.61
52.417	0.00	2.40	7.579	I O	|	|	|	4.60
52.500	0.00	2.40	7.562	I O	|	|	|	4.59
52.583	0.00	2.40	7.546	I O	|	|	|	4.58
52.667	0.00	2.39	7.529	I O	|	|	|	4.58
52.750	0.00	2.39	7.513	I O	|	|	|	4.57
52.833	0.00	2.39	7.496	IO	|	|	|	4.56
52.917	0.00	2.38	7.480	IO	|	|	|	4.55
53.000	0.00	2.38	7.463	IO	|	|	|	4.54
53.083	0.00	2.38	7.447	IO	|	|	|	4.53
53.167	0.00	2.37	7.431	IO	|	|	|	4.52
53.250	0.00	2.37	7.414	IO	|	|	|	4.52
53.333	0.00	2.37	7.398	IO	|	|	|	4.51
53.417	0.00	2.36	7.382	IO	|	|	|	4.50
53.500	0.00	2.36	7.365	IO	|	|	|	4.49
53.583	0.00	2.36	7.349	IO	|	|	|	4.48
53.667	0.00	2.35	7.333	IO	|	|	|	4.47
53.750	0.00	2.35	7.317	IO	|	|	|	4.46
53.833	0.00	2.35	7.300	IO	|	|	|	4.46
53.917	0.00	2.34	7.284	IO	|	|	|	4.45
54.000	0.00	2.34	7.268	IO	|	|	|	4.44
54.083	0.00	2.34	7.252	IO	|	|	|	4.43
54.167	0.00	2.33	7.236	IO	|	|	|	4.42
54.250	0.00	2.33	7.220	IO	|	|	|	4.41
54.333	0.00	2.33	7.204	IO	|	|	|	4.40
54.417	0.00	2.32	7.188	IO	|	|	|	4.40
54.500	0.00	2.32	7.172	IO	|	|	|	4.39
54.583	0.00	2.32	7.156	IO	|	|	|	4.38
54.667	0.00	2.31	7.140	IO	|	|	|	4.37
54.750	0.00	2.31	7.124	IO	|	|	|	4.36
54.833	0.00	2.31	7.108	IO	|	|	|	4.35
54.917	0.00	2.30	7.092	IO	|	|	|	4.35
55.000	0.00	2.30	7.076	IO	|	|	|	4.34
55.083	0.00	2.30	7.061	IO	|	|	|	4.33
55.167	0.00	2.29	7.045	IO	|	|	|	4.32
55.250	0.00	2.29	7.029	IO	|	|	|	4.31
55.333	0.00	2.29	7.013	IO	|	|	|	4.30
55.417	0.00	2.29	6.997	IO	|	|	|	4.29
55.500	0.00	2.28	6.982	IO	|	|	|	4.29
55.583	0.00	2.28	6.966	IO	|	|	|	4.28
55.667	0.00	2.28	6.950	IO	|	|	|	4.27
55.750	0.00	2.27	6.935	IO	|	|	|	4.26
55.833	0.00	2.27	6.919	IO	|	|	|	4.25
55.917	0.00	2.27	6.903	IO	|	|	|	4.25

56.000	0.00	2.26	6.888	IO					4.24
56.083	0.00	2.26	6.872	IO					4.23
56.167	0.00	2.26	6.857	IO					4.22
56.250	0.00	2.25	6.841	IO					4.21
56.333	0.00	2.25	6.826	IO					4.20
56.417	0.00	2.25	6.810	IO					4.20
56.500	0.00	2.24	6.795	IO					4.19
56.583	0.00	2.24	6.779	IO					4.18
56.667	0.00	2.24	6.764	IO					4.17
56.750	0.00	2.23	6.748	IO					4.16
56.833	0.00	2.23	6.733	IO					4.16
56.917	0.00	2.23	6.718	IO					4.15
57.000	0.00	2.22	6.702	IO					4.14
57.083	0.00	2.22	6.687	IO					4.13
57.167	0.00	2.22	6.672	IO					4.12
57.250	0.00	2.21	6.657	IO					4.11
57.333	0.00	2.21	6.641	IO					4.11
57.417	0.00	2.21	6.626	IO					4.10
57.500	0.00	2.21	6.611	IO					4.09
57.583	0.00	2.20	6.596	IO					4.08
57.667	0.00	2.20	6.581	IO					4.07
57.750	0.00	2.20	6.565	IO					4.07
57.833	0.00	2.19	6.550	IO					4.06
57.917	0.00	2.19	6.535	IO					4.05
58.000	0.00	2.19	6.520	IO					4.04
58.083	0.00	2.18	6.505	IO					4.03
58.167	0.00	2.18	6.490	IO					4.03
58.250	0.00	2.18	6.475	IO					4.02
58.333	0.00	2.17	6.460	IO					4.01
58.417	0.00	2.17	6.445	IO					4.00
58.500	0.00	2.17	6.430	IO					3.99
58.583	0.00	2.16	6.415	IO					3.99
58.667	0.00	2.16	6.400	IO					3.98
58.750	0.00	2.16	6.386	IO					3.97
58.833	0.00	2.15	6.371	IO					3.96
58.917	0.00	2.15	6.356	IO					3.95
59.000	0.00	2.14	6.341	IO					3.94
59.083	0.00	2.14	6.326	IO					3.94
59.167	0.00	2.14	6.312	IO					3.93
59.250	0.00	2.13	6.297	IO					3.92
59.333	0.00	2.13	6.282	IO					3.91
59.417	0.00	2.12	6.268	IO					3.90
59.500	0.00	2.12	6.253	IO					3.89
59.583	0.00	2.12	6.238	IO					3.89
59.667	0.00	2.11	6.224	IO					3.88
59.750	0.00	2.11	6.209	IO					3.87
59.833	0.00	2.10	6.195	IO					3.86
59.917	0.00	2.10	6.180	IO					3.85
60.000	0.00	2.10	6.166	IO					3.85
60.083	0.00	2.09	6.152	IO					3.84
60.167	0.00	2.09	6.137	IO					3.83
60.250	0.00	2.08	6.123	IO					3.82
60.333	0.00	2.08	6.108	IO					3.81
60.417	0.00	2.08	6.094	IO					3.81
60.500	0.00	2.07	6.080	IO					3.80
60.583	0.00	2.07	6.066	IO					3.79
60.667	0.00	2.07	6.051	IO					3.78
60.750	0.00	2.06	6.037	IO					3.77
60.833	0.00	2.06	6.023	IO					3.77
60.917	0.00	2.05	6.009	IO					3.76
61.000	0.00	2.05	5.995	IO					3.75
61.083	0.00	2.05	5.981	IO					3.74
61.167	0.00	2.04	5.966	IO					3.73
61.250	0.00	2.04	5.952	IO					3.73
61.333	0.00	2.03	5.938	IO					3.72
61.417	0.00	2.03	5.924	IO					3.71
61.500	0.00	2.03	5.910	IO					3.70

61.583	0.00	2.02	5.896	IO				3.69
61.667	0.00	2.02	5.883	IO				3.69
61.750	0.00	2.02	5.869	IO				3.68
61.833	0.00	2.01	5.855	IO				3.67
61.917	0.00	2.01	5.841	IO				3.66
62.000	0.00	2.00	5.827	IO				3.66
62.083	0.00	2.00	5.813	IO				3.65
62.167	0.00	2.00	5.800	IO				3.64
62.250	0.00	1.99	5.786	IO				3.63
62.333	0.00	1.99	5.772	IO				3.62
62.417	0.00	1.99	5.758	IO				3.62
62.500	0.00	1.98	5.745	IO				3.61
62.583	0.00	1.98	5.731	IO				3.60
62.667	0.00	1.98	5.717	IO				3.59
62.750	0.00	1.97	5.704	IO				3.59
62.833	0.00	1.97	5.690	IO				3.58
62.917	0.00	1.96	5.677	IO				3.57
63.000	0.00	1.96	5.663	IO				3.56
63.083	0.00	1.96	5.650	IO				3.56
63.167	0.00	1.95	5.636	IO				3.55
63.250	0.00	1.95	5.623	IO				3.54
63.333	0.00	1.95	5.609	IO				3.53
63.417	0.00	1.94	5.596	IO				3.53
63.500	0.00	1.94	5.583	IO				3.52
63.583	0.00	1.94	5.569	IO				3.51
63.667	0.00	1.93	5.556	IO				3.50
63.750	0.00	1.93	5.543	IO				3.50
63.833	0.00	1.92	5.529	IO				3.49
63.917	0.00	1.92	5.516	IO				3.48
64.000	0.00	1.92	5.503	IO				3.47
64.083	0.00	1.91	5.490	IO				3.47
64.167	0.00	1.91	5.477	IO				3.46
64.250	0.00	1.91	5.464	IO				3.45
64.333	0.00	1.90	5.450	IO				3.44
64.417	0.00	1.90	5.437	IO				3.44
64.500	0.00	1.90	5.424	IO				3.43
64.583	0.00	1.89	5.411	IO				3.42
64.667	0.00	1.89	5.398	IO				3.41
64.750	0.00	1.89	5.385	IO				3.41
64.833	0.00	1.88	5.372	IO				3.40
64.917	0.00	1.88	5.359	IO				3.39
65.000	0.00	1.88	5.346	IO				3.39
65.083	0.00	1.87	5.333	IO				3.38
65.167	0.00	1.87	5.321	IO				3.37
65.250	0.00	1.86	5.308	IO				3.36
65.333	0.00	1.86	5.295	IO				3.36
65.417	0.00	1.86	5.282	IO				3.35
65.500	0.00	1.85	5.269	IO				3.34
65.583	0.00	1.85	5.256	IO				3.34
65.667	0.00	1.85	5.244	IO				3.33
65.750	0.00	1.84	5.231	IO				3.32
65.833	0.00	1.84	5.218	IO				3.31
65.917	0.00	1.84	5.206	IO				3.31
66.000	0.00	1.83	5.193	IO				3.30
66.083	0.00	1.83	5.180	IO				3.29
66.167	0.00	1.83	5.168	IO				3.29
66.250	0.00	1.82	5.155	IO				3.28
66.333	0.00	1.82	5.143	IO				3.27
66.417	0.00	1.82	5.130	IO				3.26
66.500	0.00	1.81	5.118	IO				3.26
66.583	0.00	1.81	5.105	IO				3.25
66.667	0.00	1.81	5.093	IO				3.24
66.750	0.00	1.80	5.080	IO				3.24
66.833	0.00	1.80	5.068	IO				3.23
66.917	0.00	1.80	5.056	IO				3.22
67.000	0.00	1.79	5.043	IO				3.22
67.083	0.00	1.79	5.031	IO				3.21

67.167	0.00	1.79	5.019	IO				3.20
67.250	0.00	1.78	5.006	IO				3.19
67.333	0.00	1.78	4.994	IO				3.19
67.417	0.00	1.78	4.982	IO				3.18
67.500	0.00	1.77	4.969	IO				3.17
67.583	0.00	1.77	4.957	IO				3.17
67.667	0.00	1.77	4.945	IO				3.16
67.750	0.00	1.76	4.933	IO				3.15
67.833	0.00	1.76	4.921	IO				3.15
67.917	0.00	1.76	4.909	IO				3.14
68.000	0.00	1.75	4.897	IO				3.13
68.083	0.00	1.75	4.885	IO				3.13
68.167	0.00	1.75	4.872	IO				3.12
68.250	0.00	1.74	4.860	IO				3.11
68.333	0.00	1.74	4.848	IO				3.11
68.417	0.00	1.74	4.836	IO				3.10
68.500	0.00	1.73	4.825	IO				3.09
68.583	0.00	1.73	4.813	IO				3.09
68.667	0.00	1.73	4.801	IO				3.08
68.750	0.00	1.72	4.789	IO				3.07
68.833	0.00	1.72	4.777	IO				3.07
68.917	0.00	1.72	4.765	IO				3.06
69.000	0.00	1.72	4.753	IO				3.05
69.083	0.00	1.71	4.741	IO				3.05
69.167	0.00	1.71	4.730	IO				3.04
69.250	0.00	1.71	4.718	IO				3.03
69.333	0.00	1.70	4.706	IO				3.03
69.417	0.00	1.70	4.694	IO				3.02
69.500	0.00	1.70	4.683	IO				3.01
69.583	0.00	1.69	4.671	IO				3.01
69.667	0.00	1.69	4.659	IO				3.00
69.750	0.00	1.68	4.648	IO				2.99
69.833	0.00	1.68	4.636	IO				2.99
69.917	0.00	1.67	4.625	IO				2.98
70.000	0.00	1.66	4.613	IO				2.97
70.083	0.00	1.66	4.602	IO				2.96
70.167	0.00	1.65	4.590	IO				2.96
70.250	0.00	1.64	4.579	IO				2.95
70.333	0.00	1.64	4.568	IO				2.94
70.417	0.00	1.63	4.557	IO				2.94
70.500	0.00	1.62	4.545	IO				2.93
70.583	0.00	1.62	4.534	IO				2.92
70.667	0.00	1.61	4.523	IO				2.92
70.750	0.00	1.60	4.512	IO				2.91
70.833	0.00	1.60	4.501	IO				2.90
70.917	0.00	1.59	4.490	IO				2.90
71.000	0.00	1.58	4.479	IO				2.89
71.083	0.00	1.58	4.468	IO				2.88
71.167	0.00	1.57	4.457	IO				2.88
71.250	0.00	1.56	4.447	IO				2.87
71.333	0.00	1.56	4.436	IO				2.87
71.417	0.00	1.55	4.425	IO				2.86
71.500	0.00	1.55	4.415	IO				2.85
71.583	0.00	1.54	4.404	IO				2.85
71.667	0.00	1.53	4.393	IO				2.84
71.750	0.00	1.53	4.383	IO				2.83
71.833	0.00	1.52	4.372	IO				2.83
71.917	0.00	1.51	4.362	IO				2.82
72.000	0.00	1.51	4.351	IO				2.81
72.083	0.00	1.50	4.341	IO				2.81
72.167	0.00	1.50	4.331	IO				2.80
72.250	0.00	1.49	4.321	IO				2.80
72.333	0.00	1.48	4.310	IO				2.79
72.417	0.00	1.48	4.300	IO				2.78
72.500	0.00	1.47	4.290	IO				2.78
72.583	0.00	1.47	4.280	IO				2.77
72.667	0.00	1.46	4.270	IO				2.76

72.750	0.00	1.45	4.260	IO				2.76
72.833	0.00	1.45	4.250	IO				2.75
72.917	0.00	1.44	4.240	IO				2.75
73.000	0.00	1.44	4.230	IO				2.74
73.083	0.00	1.43	4.220	IO				2.73
73.167	0.00	1.42	4.210	IO				2.73
73.250	0.00	1.42	4.200	IO				2.72
73.333	0.00	1.41	4.191	IO				2.72
73.417	0.00	1.41	4.181	IO				2.71
73.500	0.00	1.40	4.171	IO				2.71
73.583	0.00	1.40	4.162	IO				2.70
73.667	0.00	1.39	4.152	IO				2.69
73.750	0.00	1.38	4.142	IO				2.69
73.833	0.00	1.38	4.133	IO				2.68
73.917	0.00	1.37	4.123	IO				2.68
74.000	0.00	1.37	4.114	IO				2.67
74.083	0.00	1.36	4.105	IO				2.67
74.167	0.00	1.36	4.095	IO				2.66
74.250	0.00	1.35	4.086	IO				2.65
74.333	0.00	1.35	4.077	IO				2.65
74.417	0.00	1.34	4.067	IO				2.64
74.500	0.00	1.33	4.058	IO				2.64
74.583	0.00	1.33	4.049	IO				2.63
74.667	0.00	1.32	4.040	IO				2.63
74.750	0.00	1.32	4.031	IO				2.62
74.833	0.00	1.31	4.022	IO				2.62
74.917	0.00	1.31	4.013	IO				2.61
75.000	0.00	1.30	4.004	IO				2.60
75.083	0.00	1.30	3.995	IO				2.60
75.167	0.00	1.29	3.986	IO				2.59
75.250	0.00	1.29	3.977	IO				2.59
75.333	0.00	1.28	3.968	IO				2.58
75.417	0.00	1.28	3.959	IO				2.58
75.500	0.00	1.27	3.951	IO				2.57
75.583	0.00	1.27	3.942	IO				2.57
75.667	0.00	1.26	3.933	IO				2.56
75.750	0.00	1.26	3.924	IO				2.56
75.833	0.00	1.25	3.916	IO				2.55
75.917	0.00	1.25	3.907	IO				2.55
76.000	0.00	1.24	3.899	IO				2.54
76.083	0.00	1.24	3.890	IO				2.54
76.167	0.00	1.23	3.882	IO				2.53
76.250	0.00	1.23	3.873	IO				2.53
76.333	0.00	1.22	3.865	IO				2.52
76.417	0.00	1.22	3.856	IO				2.52
76.500	0.00	1.21	3.848	IO				2.51
76.583	0.00	1.21	3.840	IO				2.51
76.667	0.00	1.20	3.831	IO				2.50
76.750	0.00	1.20	3.823	IO				2.50
76.833	0.00	1.19	3.815	O				2.49
76.917	0.00	1.19	3.807	O				2.49
77.000	0.00	1.18	3.799	O				2.48
77.083	0.00	1.18	3.790	O				2.48
77.167	0.00	1.17	3.782	O				2.47
77.250	0.00	1.17	3.774	O				2.47
77.333	0.00	1.16	3.766	O				2.46
77.417	0.00	1.16	3.758	O				2.46
77.500	0.00	1.15	3.750	O				2.45
77.583	0.00	1.15	3.742	O				2.45
77.667	0.00	1.14	3.735	O				2.44
77.750	0.00	1.14	3.727	O				2.44
77.833	0.00	1.13	3.719	O				2.43
77.917	0.00	1.13	3.711	O				2.43
78.000	0.00	1.13	3.703	O				2.42
78.083	0.00	1.12	3.696	O				2.42
78.167	0.00	1.12	3.688	O				2.41
78.250	0.00	1.11	3.680	O				2.41

78.333	0.00	1.11	3.673	O	|	|	|	|	2.41
78.417	0.00	1.10	3.665	O	|	|	|	|	2.40
78.500	0.00	1.10	3.657	O	|	|	|	|	2.40
78.583	0.00	1.09	3.650	O	|	|	|	|	2.39
78.667	0.00	1.09	3.642	O	|	|	|	|	2.39
78.750	0.00	1.08	3.635	O	|	|	|	|	2.38
78.833	0.00	1.08	3.627	O	|	|	|	|	2.38
78.917	0.00	1.08	3.620	O	|	|	|	|	2.37
79.000	0.00	1.07	3.613	O	|	|	|	|	2.37
79.083	0.00	1.07	3.605	O	|	|	|	|	2.36
79.167	0.00	1.06	3.598	O	|	|	|	|	2.36
79.250	0.00	1.06	3.591	O	|	|	|	|	2.36
79.333	0.00	1.05	3.583	O	|	|	|	|	2.35
79.417	0.00	1.05	3.576	O	|	|	|	|	2.35
79.500	0.00	1.05	3.569	O	|	|	|	|	2.34
79.583	0.00	1.04	3.562	O	|	|	|	|	2.34
79.667	0.00	1.04	3.554	O	|	|	|	|	2.33
79.750	0.00	1.03	3.547	O	|	|	|	|	2.33
79.833	0.00	1.03	3.540	O	|	|	|	|	2.33
79.917	0.00	1.02	3.533	O	|	|	|	|	2.32
80.000	0.00	1.02	3.526	O	|	|	|	|	2.32
80.083	0.00	1.02	3.519	O	|	|	|	|	2.31
80.167	0.00	1.01	3.512	O	|	|	|	|	2.31
80.250	0.00	1.01	3.505	O	|	|	|	|	2.30
80.333	0.00	1.00	3.498	O	|	|	|	|	2.30
80.417	0.00	1.00	3.491	O	|	|	|	|	2.30
80.500	0.00	1.00	3.484	O	|	|	|	|	2.29
80.583	0.00	0.99	3.478	O	|	|	|	|	2.29
80.667	0.00	0.99	3.471	O	|	|	|	|	2.28
80.750	0.00	0.98	3.464	O	|	|	|	|	2.28
80.833	0.00	0.98	3.457	O	|	|	|	|	2.28
80.917	0.00	0.98	3.450	O	|	|	|	|	2.27
81.000	0.00	0.97	3.444	O	|	|	|	|	2.27
81.083	0.00	0.97	3.437	O	|	|	|	|	2.26
81.167	0.00	0.96	3.430	O	|	|	|	|	2.26
81.250	0.00	0.96	3.424	O	|	|	|	|	2.26
81.333	0.00	0.96	3.417	O	|	|	|	|	2.25
81.417	0.00	0.95	3.411	O	|	|	|	|	2.25
81.500	0.00	0.95	3.404	O	|	|	|	|	2.24
81.583	0.00	0.94	3.398	O	|	|	|	|	2.24
81.667	0.00	0.94	3.391	O	|	|	|	|	2.24
81.750	0.00	0.94	3.385	O	|	|	|	|	2.23
81.833	0.00	0.93	3.378	O	|	|	|	|	2.23
81.917	0.00	0.93	3.372	O	|	|	|	|	2.22
82.000	0.00	0.93	3.365	O	|	|	|	|	2.22
82.083	0.00	0.92	3.359	O	|	|	|	|	2.22
82.167	0.00	0.92	3.353	O	|	|	|	|	2.21
82.250	0.00	0.91	3.346	O	|	|	|	|	2.21
82.333	0.00	0.91	3.340	O	|	|	|	|	2.20
82.417	0.00	0.91	3.334	O	|	|	|	|	2.20
82.500	0.00	0.90	3.328	O	|	|	|	|	2.20
82.583	0.00	0.90	3.321	O	|	|	|	|	2.19
82.667	0.00	0.90	3.315	O	|	|	|	|	2.19
82.750	0.00	0.89	3.309	O	|	|	|	|	2.19
82.833	0.00	0.89	3.303	O	|	|	|	|	2.18
82.917	0.00	0.89	3.297	O	|	|	|	|	2.18
83.000	0.00	0.88	3.291	O	|	|	|	|	2.18
83.083	0.00	0.88	3.285	O	|	|	|	|	2.17
83.167	0.00	0.87	3.279	O	|	|	|	|	2.17
83.250	0.00	0.87	3.273	O	|	|	|	|	2.16
83.333	0.00	0.87	3.267	O	|	|	|	|	2.16
83.417	0.00	0.86	3.261	O	|	|	|	|	2.16
83.500	0.00	0.86	3.255	O	|	|	|	|	2.15
83.583	0.00	0.86	3.249	O	|	|	|	|	2.15
83.667	0.00	0.85	3.243	O	|	|	|	|	2.15
83.750	0.00	0.85	3.237	O	|	|	|	|	2.14
83.833	0.00	0.85	3.231	O	|	|	|	|	2.14

83.917	0.00	0.84	3.225	O	|	|	|	|	2.14
84.000	0.00	0.84	3.220	O	|	|	|	|	2.13
84.083	0.00	0.84	3.214	O	|	|	|	|	2.13
84.167	0.00	0.83	3.208	O	|	|	|	|	2.13
84.250	0.00	0.83	3.202	O	|	|	|	|	2.12
84.333	0.00	0.83	3.197	O	|	|	|	|	2.12
84.417	0.00	0.82	3.191	O	|	|	|	|	2.12
84.500	0.00	0.82	3.185	O	|	|	|	|	2.11
84.583	0.00	0.82	3.180	O	|	|	|	|	2.11
84.667	0.00	0.81	3.174	O	|	|	|	|	2.10
84.750	0.00	0.81	3.168	O	|	|	|	|	2.10
84.833	0.00	0.81	3.163	O	|	|	|	|	2.10
84.917	0.00	0.80	3.157	O	|	|	|	|	2.09
85.000	0.00	0.80	3.152	O	|	|	|	|	2.09
85.083	0.00	0.80	3.146	O	|	|	|	|	2.09
85.167	0.00	0.79	3.141	O	|	|	|	|	2.08
85.250	0.00	0.79	3.135	O	|	|	|	|	2.08
85.333	0.00	0.79	3.130	O	|	|	|	|	2.08
85.417	0.00	0.78	3.125	O	|	|	|	|	2.08
85.500	0.00	0.78	3.119	O	|	|	|	|	2.07
85.583	0.00	0.78	3.114	O	|	|	|	|	2.07
85.667	0.00	0.77	3.109	O	|	|	|	|	2.07
85.750	0.00	0.77	3.103	O	|	|	|	|	2.06
85.833	0.00	0.77	3.098	O	|	|	|	|	2.06
85.917	0.00	0.76	3.093	O	|	|	|	|	2.06
86.000	0.00	0.76	3.087	O	|	|	|	|	2.05
86.083	0.00	0.76	3.082	O	|	|	|	|	2.05
86.167	0.00	0.76	3.077	O	|	|	|	|	2.05
86.250	0.00	0.75	3.072	O	|	|	|	|	2.04
86.333	0.00	0.75	3.067	O	|	|	|	|	2.04
86.417	0.00	0.75	3.061	O	|	|	|	|	2.04
86.500	0.00	0.74	3.056	O	|	|	|	|	2.03
86.583	0.00	0.74	3.051	O	|	|	|	|	2.03
86.667	0.00	0.74	3.046	O	|	|	|	|	2.03
86.750	0.00	0.73	3.041	O	|	|	|	|	2.02
86.833	0.00	0.73	3.036	O	|	|	|	|	2.02
86.917	0.00	0.73	3.031	O	|	|	|	|	2.02
87.000	0.00	0.73	3.026	O	|	|	|	|	2.02
87.083	0.00	0.72	3.021	O	|	|	|	|	2.01
87.167	0.00	0.72	3.016	O	|	|	|	|	2.01
87.250	0.00	0.72	3.011	O	|	|	|	|	2.01
87.333	0.00	0.71	3.006	O	|	|	|	|	2.00
87.417	0.00	0.71	3.001	O	|	|	|	|	2.00
87.500	0.00	0.71	2.996	O	|	|	|	|	2.00
87.583	0.00	0.71	2.991	O	|	|	|	|	1.99
87.667	0.00	0.71	2.987	O	|	|	|	|	1.99
87.750	0.00	0.71	2.982	O	|	|	|	|	1.99
87.833	0.00	0.71	2.977	O	|	|	|	|	1.99
87.917	0.00	0.71	2.972	O	|	|	|	|	1.98
88.000	0.00	0.70	2.967	O	|	|	|	|	1.98
88.083	0.00	0.70	2.962	O	|	|	|	|	1.98
88.167	0.00	0.70	2.957	O	|	|	|	|	1.97
88.250	0.00	0.70	2.953	O	|	|	|	|	1.97
88.333	0.00	0.70	2.948	O	|	|	|	|	1.97
88.417	0.00	0.70	2.943	O	|	|	|	|	1.96
88.500	0.00	0.70	2.938	O	|	|	|	|	1.96
88.583	0.00	0.70	2.933	O	|	|	|	|	1.96
88.667	0.00	0.70	2.928	O	|	|	|	|	1.95
88.750	0.00	0.70	2.924	O	|	|	|	|	1.95
88.833	0.00	0.70	2.919	O	|	|	|	|	1.95
88.917	0.00	0.70	2.914	O	|	|	|	|	1.94
89.000	0.00	0.70	2.909	O	|	|	|	|	1.94
89.083	0.00	0.70	2.904	O	|	|	|	|	1.94
89.167	0.00	0.69	2.900	O	|	|	|	|	1.94
89.250	0.00	0.69	2.895	O	|	|	|	|	1.93
89.333	0.00	0.69	2.890	O	|	|	|	|	1.93
89.417	0.00	0.69	2.885	O	|	|	|	|	1.93

89.500	0.00	0.69	2.881	O	|	|	|	1.92
89.583	0.00	0.69	2.876	O	|	|	|	1.92
89.667	0.00	0.69	2.871	O	|	|	|	1.92
89.750	0.00	0.69	2.866	O	|	|	|	1.91
89.833	0.00	0.69	2.862	O	|	|	|	1.91
89.917	0.00	0.69	2.857	O	|	|	|	1.91
90.000	0.00	0.69	2.852	O	|	|	|	1.90
90.083	0.00	0.69	2.847	O	|	|	|	1.90
90.167	0.00	0.69	2.843	O	|	|	|	1.90
90.250	0.00	0.68	2.838	O	|	|	|	1.90
90.333	0.00	0.68	2.833	O	|	|	|	1.89
90.417	0.00	0.68	2.828	O	|	|	|	1.89
90.500	0.00	0.68	2.824	O	|	|	|	1.89
90.583	0.00	0.68	2.819	O	|	|	|	1.88
90.667	0.00	0.68	2.814	O	|	|	|	1.88
90.750	0.00	0.68	2.810	O	|	|	|	1.88
90.833	0.00	0.68	2.805	O	|	|	|	1.87
90.917	0.00	0.68	2.800	O	|	|	|	1.87
91.000	0.00	0.68	2.796	O	|	|	|	1.87
91.083	0.00	0.68	2.791	O	|	|	|	1.87
91.167	0.00	0.68	2.786	O	|	|	|	1.86
91.250	0.00	0.68	2.782	O	|	|	|	1.86
91.333	0.00	0.68	2.777	O	|	|	|	1.86
91.417	0.00	0.67	2.772	O	|	|	|	1.85
91.500	0.00	0.67	2.768	O	|	|	|	1.85
91.583	0.00	0.67	2.763	O	|	|	|	1.85
91.667	0.00	0.67	2.758	O	|	|	|	1.84
91.750	0.00	0.67	2.754	O	|	|	|	1.84
91.833	0.00	0.67	2.749	O	|	|	|	1.84
91.917	0.00	0.67	2.745	O	|	|	|	1.84
92.000	0.00	0.67	2.740	O	|	|	|	1.83
92.083	0.00	0.67	2.735	O	|	|	|	1.83
92.167	0.00	0.67	2.731	O	|	|	|	1.83
92.250	0.00	0.67	2.726	O	|	|	|	1.82
92.333	0.00	0.67	2.722	O	|	|	|	1.82
92.417	0.00	0.67	2.717	O	|	|	|	1.82
92.500	0.00	0.67	2.712	O	|	|	|	1.81
92.583	0.00	0.66	2.708	O	|	|	|	1.81
92.667	0.00	0.66	2.703	O	|	|	|	1.81
92.750	0.00	0.66	2.699	O	|	|	|	1.81
92.833	0.00	0.66	2.694	O	|	|	|	1.80
92.917	0.00	0.66	2.689	O	|	|	|	1.80
93.000	0.00	0.66	2.685	O	|	|	|	1.80
93.083	0.00	0.66	2.680	O	|	|	|	1.79
93.167	0.00	0.66	2.676	O	|	|	|	1.79
93.250	0.00	0.66	2.671	O	|	|	|	1.79
93.333	0.00	0.66	2.667	O	|	|	|	1.79
93.417	0.00	0.66	2.662	O	|	|	|	1.78
93.500	0.00	0.66	2.658	O	|	|	|	1.78
93.583	0.00	0.66	2.653	O	|	|	|	1.78
93.667	0.00	0.66	2.649	O	|	|	|	1.77
93.750	0.00	0.65	2.644	O	|	|	|	1.77
93.833	0.00	0.65	2.640	O	|	|	|	1.77
93.917	0.00	0.65	2.635	O	|	|	|	1.76
94.000	0.00	0.65	2.631	O	|	|	|	1.76
94.083	0.00	0.65	2.626	O	|	|	|	1.76
94.167	0.00	0.65	2.622	O	|	|	|	1.76
94.250	0.00	0.65	2.617	O	|	|	|	1.75
94.333	0.00	0.65	2.613	O	|	|	|	1.75
94.417	0.00	0.65	2.608	O	|	|	|	1.75
94.500	0.00	0.65	2.604	O	|	|	|	1.74
94.583	0.00	0.65	2.599	O	|	|	|	1.74
94.667	0.00	0.65	2.595	O	|	|	|	1.74
94.750	0.00	0.65	2.590	O	|	|	|	1.74
94.833	0.00	0.65	2.586	O	|	|	|	1.73
94.917	0.00	0.65	2.581	O	|	|	|	1.73
95.000	0.00	0.64	2.577	O	|	|	|	1.73

95.083	0.00	0.64	2.573	O	|	|	|	1.72
95.167	0.00	0.64	2.568	O	|	|	|	1.72
95.250	0.00	0.64	2.564	O	|	|	|	1.72
95.333	0.00	0.64	2.559	O	|	|	|	1.72
95.417	0.00	0.64	2.555	O	|	|	|	1.71
95.500	0.00	0.64	2.550	O	|	|	|	1.71
95.583	0.00	0.64	2.546	O	|	|	|	1.71
95.667	0.00	0.64	2.542	O	|	|	|	1.70
95.750	0.00	0.64	2.537	O	|	|	|	1.70
95.833	0.00	0.64	2.533	O	|	|	|	1.70
95.917	0.00	0.64	2.528	O	|	|	|	1.70
96.000	0.00	0.64	2.524	O	|	|	|	1.69
96.083	0.00	0.64	2.520	O	|	|	|	1.69
96.167	0.00	0.63	2.515	O	|	|	|	1.69
96.250	0.00	0.63	2.511	O	|	|	|	1.68
96.333	0.00	0.63	2.507	O	|	|	|	1.68
96.417	0.00	0.63	2.502	O	|	|	|	1.68
96.500	0.00	0.63	2.498	O	|	|	|	1.68
96.583	0.00	0.63	2.494	O	|	|	|	1.67
96.667	0.00	0.63	2.489	O	|	|	|	1.67
96.750	0.00	0.63	2.485	O	|	|	|	1.67
96.833	0.00	0.63	2.481	O	|	|	|	1.66
96.917	0.00	0.63	2.476	O	|	|	|	1.66
97.000	0.00	0.63	2.472	O	|	|	|	1.66
97.083	0.00	0.63	2.468	O	|	|	|	1.66
97.167	0.00	0.63	2.463	O	|	|	|	1.65
97.250	0.00	0.63	2.459	O	|	|	|	1.65
97.333	0.00	0.63	2.455	O	|	|	|	1.65
97.417	0.00	0.62	2.450	O	|	|	|	1.65
97.500	0.00	0.62	2.446	O	|	|	|	1.64
97.583	0.00	0.62	2.442	O	|	|	|	1.64
97.667	0.00	0.62	2.437	O	|	|	|	1.64
97.750	0.00	0.62	2.433	O	|	|	|	1.63
97.833	0.00	0.62	2.429	O	|	|	|	1.63
97.917	0.00	0.62	2.425	O	|	|	|	1.63
98.000	0.00	0.62	2.420	O	|	|	|	1.63
98.083	0.00	0.62	2.416	O	|	|	|	1.62
98.167	0.00	0.62	2.412	O	|	|	|	1.62
98.250	0.00	0.62	2.407	O	|	|	|	1.62
98.333	0.00	0.62	2.403	O	|	|	|	1.61
98.417	0.00	0.62	2.399	O	|	|	|	1.61
98.500	0.00	0.62	2.395	O	|	|	|	1.61
98.583	0.00	0.62	2.390	O	|	|	|	1.61
98.667	0.00	0.61	2.386	O	|	|	|	1.60
98.750	0.00	0.61	2.382	O	|	|	|	1.60
98.833	0.00	0.61	2.378	O	|	|	|	1.60
98.917	0.00	0.61	2.374	O	|	|	|	1.60
99.000	0.00	0.61	2.369	O	|	|	|	1.59
99.083	0.00	0.61	2.365	O	|	|	|	1.59
99.167	0.00	0.61	2.361	O	|	|	|	1.59
99.250	0.00	0.61	2.357	O	|	|	|	1.58
99.333	0.00	0.61	2.353	O	|	|	|	1.58
99.417	0.00	0.61	2.348	O	|	|	|	1.58
99.500	0.00	0.61	2.344	O	|	|	|	1.58
99.583	0.00	0.61	2.340	O	|	|	|	1.57
99.667	0.00	0.61	2.336	O	|	|	|	1.57
99.750	0.00	0.61	2.332	O	|	|	|	1.57
99.833	0.00	0.61	2.327	O	|	|	|	1.57
99.917	0.00	0.61	2.323	O	|	|	|	1.56
100.000	0.00	0.60	2.319	O	|	|	|	1.56
100.083	0.00	0.60	2.315	O	|	|	|	1.56
100.167	0.00	0.60	2.311	O	|	|	|	1.56
100.250	0.00	0.60	2.307	O	|	|	|	1.55
100.333	0.00	0.60	2.302	O	|	|	|	1.55
100.417	0.00	0.60	2.298	O	|	|	|	1.55
100.500	0.00	0.60	2.294	O	|	|	|	1.54
100.583	0.00	0.60	2.290	O	|	|	|	1.54

100.667	0.00	0.60	2.286	O	|	|	|	|	1.54
100.750	0.00	0.60	2.282	O	|	|	|	|	1.54
100.833	0.00	0.60	2.278	O	|	|	|	|	1.53
100.917	0.00	0.60	2.274	O	|	|	|	|	1.53
101.000	0.00	0.60	2.269	O	|	|	|	|	1.53
101.083	0.00	0.60	2.265	O	|	|	|	|	1.53
101.167	0.00	0.60	2.261	O	|	|	|	|	1.52
101.250	0.00	0.59	2.257	O	|	|	|	|	1.52
101.333	0.00	0.59	2.253	O	|	|	|	|	1.52
101.417	0.00	0.59	2.249	O	|	|	|	|	1.52
101.500	0.00	0.59	2.245	O	|	|	|	|	1.51
101.583	0.00	0.59	2.241	O	|	|	|	|	1.51
101.667	0.00	0.59	2.237	O	|	|	|	|	1.51
101.750	0.00	0.59	2.233	O	|	|	|	|	1.50
101.833	0.00	0.59	2.229	O	|	|	|	|	1.50
101.917	0.00	0.59	2.224	O	|	|	|	|	1.50
102.000	0.00	0.59	2.220	O	|	|	|	|	1.50
102.083	0.00	0.59	2.216	O	|	|	|	|	1.49
102.167	0.00	0.59	2.212	O	|	|	|	|	1.49
102.250	0.00	0.59	2.208	O	|	|	|	|	1.49
102.333	0.00	0.59	2.204	O	|	|	|	|	1.49
102.417	0.00	0.59	2.200	O	|	|	|	|	1.48
102.500	0.00	0.59	2.196	O	|	|	|	|	1.48
102.583	0.00	0.58	2.192	O	|	|	|	|	1.48
102.667	0.00	0.58	2.188	O	|	|	|	|	1.48
102.750	0.00	0.58	2.184	O	|	|	|	|	1.47
102.833	0.00	0.58	2.180	O	|	|	|	|	1.47
102.917	0.00	0.58	2.176	O	|	|	|	|	1.47
103.000	0.00	0.58	2.172	O	|	|	|	|	1.47
103.083	0.00	0.58	2.168	O	|	|	|	|	1.46
103.167	0.00	0.58	2.164	O	|	|	|	|	1.46
103.250	0.00	0.58	2.160	O	|	|	|	|	1.46
103.333	0.00	0.58	2.156	O	|	|	|	|	1.46
103.417	0.00	0.58	2.152	O	|	|	|	|	1.45
103.500	0.00	0.58	2.148	O	|	|	|	|	1.45
103.583	0.00	0.58	2.144	O	|	|	|	|	1.45
103.667	0.00	0.58	2.140	O	|	|	|	|	1.45
103.750	0.00	0.58	2.136	O	|	|	|	|	1.44
103.833	0.00	0.58	2.132	O	|	|	|	|	1.44
103.917	0.00	0.58	2.128	O	|	|	|	|	1.44
104.000	0.00	0.57	2.124	O	|	|	|	|	1.43
104.083	0.00	0.57	2.120	O	|	|	|	|	1.43
104.167	0.00	0.57	2.116	O	|	|	|	|	1.43
104.250	0.00	0.57	2.112	O	|	|	|	|	1.43
104.333	0.00	0.57	2.108	O	|	|	|	|	1.42
104.417	0.00	0.57	2.104	O	|	|	|	|	1.42
104.500	0.00	0.57	2.101	O	|	|	|	|	1.42
104.583	0.00	0.57	2.097	O	|	|	|	|	1.42
104.667	0.00	0.57	2.093	O	|	|	|	|	1.41
104.750	0.00	0.57	2.089	O	|	|	|	|	1.41
104.833	0.00	0.57	2.085	O	|	|	|	|	1.41
104.917	0.00	0.57	2.081	O	|	|	|	|	1.41
105.000	0.00	0.57	2.077	O	|	|	|	|	1.40
105.083	0.00	0.57	2.073	O	|	|	|	|	1.40
105.167	0.00	0.57	2.069	O	|	|	|	|	1.40
105.250	0.00	0.57	2.065	O	|	|	|	|	1.40
105.333	0.00	0.56	2.061	O	|	|	|	|	1.39
105.417	0.00	0.56	2.058	O	|	|	|	|	1.39
105.500	0.00	0.56	2.054	O	|	|	|	|	1.39
105.583	0.00	0.56	2.050	O	|	|	|	|	1.39
105.667	0.00	0.56	2.046	O	|	|	|	|	1.38
105.750	0.00	0.56	2.042	O	|	|	|	|	1.38
105.833	0.00	0.56	2.038	O	|	|	|	|	1.38
105.917	0.00	0.56	2.034	O	|	|	|	|	1.38
106.000	0.00	0.56	2.030	O	|	|	|	|	1.37
106.083	0.00	0.56	2.027	O	|	|	|	|	1.37
106.167	0.00	0.56	2.023	O	|	|	|	|	1.37

106.250	0.00	0.56	2.019	O	|	|	|	|	1.37
106.333	0.00	0.56	2.015	O	|	|	|	|	1.36
106.417	0.00	0.56	2.011	O	|	|	|	|	1.36
106.500	0.00	0.56	2.007	O	|	|	|	|	1.36
106.583	0.00	0.56	2.004	O	|	|	|	|	1.36
106.667	0.00	0.56	2.000	O	|	|	|	|	1.35
106.750	0.00	0.55	1.996	O	|	|	|	|	1.35
106.833	0.00	0.55	1.992	O	|	|	|	|	1.35
106.917	0.00	0.55	1.988	O	|	|	|	|	1.35
107.000	0.00	0.55	1.985	O	|	|	|	|	1.34
107.083	0.00	0.55	1.981	O	|	|	|	|	1.34
107.167	0.00	0.55	1.977	O	|	|	|	|	1.34
107.250	0.00	0.55	1.973	O	|	|	|	|	1.34
107.333	0.00	0.55	1.969	O	|	|	|	|	1.34
107.417	0.00	0.55	1.966	O	|	|	|	|	1.33
107.500	0.00	0.55	1.962	O	|	|	|	|	1.33
107.583	0.00	0.55	1.958	O	|	|	|	|	1.33
107.667	0.00	0.55	1.954	O	|	|	|	|	1.33
107.750	0.00	0.55	1.950	O	|	|	|	|	1.32
107.833	0.00	0.55	1.947	O	|	|	|	|	1.32
107.917	0.00	0.55	1.943	O	|	|	|	|	1.32
108.000	0.00	0.55	1.939	O	|	|	|	|	1.32
108.083	0.00	0.55	1.935	O	|	|	|	|	1.31
108.167	0.00	0.54	1.932	O	|	|	|	|	1.31
108.250	0.00	0.54	1.928	O	|	|	|	|	1.31
108.333	0.00	0.54	1.924	O	|	|	|	|	1.31
108.417	0.00	0.54	1.920	O	|	|	|	|	1.30
108.500	0.00	0.54	1.917	O	|	|	|	|	1.30
108.583	0.00	0.54	1.913	O	|	|	|	|	1.30
108.667	0.00	0.54	1.909	O	|	|	|	|	1.30
108.750	0.00	0.54	1.905	O	|	|	|	|	1.29
108.833	0.00	0.54	1.902	O	|	|	|	|	1.29
108.917	0.00	0.54	1.898	O	|	|	|	|	1.29
109.000	0.00	0.54	1.894	O	|	|	|	|	1.29
109.083	0.00	0.54	1.891	O	|	|	|	|	1.28
109.167	0.00	0.54	1.887	O	|	|	|	|	1.28
109.250	0.00	0.54	1.883	O	|	|	|	|	1.28
109.333	0.00	0.54	1.879	O	|	|	|	|	1.28
109.417	0.00	0.54	1.876	O	|	|	|	|	1.27
109.500	0.00	0.54	1.872	O	|	|	|	|	1.27
109.583	0.00	0.53	1.868	O	|	|	|	|	1.27
109.667	0.00	0.53	1.865	O	|	|	|	|	1.27
109.750	0.00	0.53	1.861	O	|	|	|	|	1.27
109.833	0.00	0.53	1.857	O	|	|	|	|	1.26
109.917	0.00	0.53	1.854	O	|	|	|	|	1.26
110.000	0.00	0.53	1.850	O	|	|	|	|	1.26
110.083	0.00	0.53	1.846	O	|	|	|	|	1.26
110.167	0.00	0.53	1.843	O	|	|	|	|	1.25
110.250	0.00	0.53	1.839	O	|	|	|	|	1.25
110.333	0.00	0.53	1.835	O	|	|	|	|	1.25
110.417	0.00	0.53	1.832	O	|	|	|	|	1.25
110.500	0.00	0.53	1.828	O	|	|	|	|	1.24
110.583	0.00	0.53	1.825	O	|	|	|	|	1.24
110.667	0.00	0.53	1.821	O	|	|	|	|	1.24
110.750	0.00	0.53	1.817	O	|	|	|	|	1.24
110.833	0.00	0.53	1.814	O	|	|	|	|	1.23
110.917	0.00	0.53	1.810	O	|	|	|	|	1.23
111.000	0.00	0.53	1.806	O	|	|	|	|	1.23
111.083	0.00	0.52	1.803	O	|	|	|	|	1.23
111.167	0.00	0.52	1.799	O	|	|	|	|	1.23
111.250	0.00	0.52	1.796	O	|	|	|	|	1.22
111.333	0.00	0.52	1.792	O	|	|	|	|	1.22
111.417	0.00	0.52	1.788	O	|	|	|	|	1.22
111.500	0.00	0.52	1.785	O	|	|	|	|	1.22
111.583	0.00	0.52	1.781	O	|	|	|	|	1.21
111.667	0.00	0.52	1.778	O	|	|	|	|	1.21
111.750	0.00	0.52	1.774	O	|	|	|	|	1.21

111.833	0.00	0.52	1.770	O	|	|	|	|	1.21
111.917	0.00	0.52	1.767	O	|	|	|	|	1.20
112.000	0.00	0.52	1.763	O	|	|	|	|	1.20
112.083	0.00	0.52	1.760	O	|	|	|	|	1.20
112.167	0.00	0.52	1.756	O	|	|	|	|	1.20
112.250	0.00	0.52	1.753	O	|	|	|	|	1.20
112.333	0.00	0.52	1.749	O	|	|	|	|	1.19
112.417	0.00	0.52	1.745	O	|	|	|	|	1.19
112.500	0.00	0.52	1.742	O	|	|	|	|	1.19
112.583	0.00	0.51	1.738	O	|	|	|	|	1.19
112.667	0.00	0.51	1.735	O	|	|	|	|	1.18
112.750	0.00	0.51	1.731	O	|	|	|	|	1.18
112.833	0.00	0.51	1.728	O	|	|	|	|	1.18
112.917	0.00	0.51	1.724	O	|	|	|	|	1.18
113.000	0.00	0.51	1.721	O	|	|	|	|	1.17
113.083	0.00	0.51	1.717	O	|	|	|	|	1.17
113.167	0.00	0.51	1.714	O	|	|	|	|	1.17
113.250	0.00	0.51	1.710	O	|	|	|	|	1.17
113.333	0.00	0.51	1.707	O	|	|	|	|	1.17
113.417	0.00	0.51	1.703	O	|	|	|	|	1.16
113.500	0.00	0.51	1.700	O	|	|	|	|	1.16
113.583	0.00	0.51	1.696	O	|	|	|	|	1.16
113.667	0.00	0.51	1.693	O	|	|	|	|	1.16
113.750	0.00	0.51	1.689	O	|	|	|	|	1.15
113.833	0.00	0.51	1.686	O	|	|	|	|	1.15
113.917	0.00	0.51	1.682	O	|	|	|	|	1.15
114.000	0.00	0.51	1.679	O	|	|	|	|	1.15
114.083	0.00	0.50	1.675	O	|	|	|	|	1.15
114.167	0.00	0.50	1.672	O	|	|	|	|	1.14
114.250	0.00	0.50	1.668	O	|	|	|	|	1.14
114.333	0.00	0.50	1.665	O	|	|	|	|	1.14
114.417	0.00	0.50	1.661	O	|	|	|	|	1.14
114.500	0.00	0.50	1.658	O	|	|	|	|	1.13
114.583	0.00	0.50	1.654	O	|	|	|	|	1.13
114.667	0.00	0.50	1.651	O	|	|	|	|	1.13
114.750	0.00	0.50	1.647	O	|	|	|	|	1.13
114.833	0.00	0.50	1.644	O	|	|	|	|	1.13
114.917	0.00	0.50	1.641	O	|	|	|	|	1.12
115.000	0.00	0.50	1.637	O	|	|	|	|	1.12
115.083	0.00	0.50	1.634	O	|	|	|	|	1.12
115.167	0.00	0.50	1.630	O	|	|	|	|	1.12
115.250	0.00	0.50	1.627	O	|	|	|	|	1.11
115.333	0.00	0.50	1.623	O	|	|	|	|	1.11
115.417	0.00	0.50	1.620	O	|	|	|	|	1.11
115.500	0.00	0.50	1.617	O	|	|	|	|	1.11
115.583	0.00	0.50	1.613	O	|	|	|	|	1.11
115.667	0.00	0.49	1.610	O	|	|	|	|	1.10
115.750	0.00	0.49	1.606	O	|	|	|	|	1.10
115.833	0.00	0.49	1.603	O	|	|	|	|	1.10
115.917	0.00	0.49	1.600	O	|	|	|	|	1.10
116.000	0.00	0.49	1.596	O	|	|	|	|	1.09
116.083	0.00	0.49	1.593	O	|	|	|	|	1.09
116.167	0.00	0.49	1.589	O	|	|	|	|	1.09
116.250	0.00	0.49	1.586	O	|	|	|	|	1.09
116.333	0.00	0.49	1.583	O	|	|	|	|	1.09
116.417	0.00	0.49	1.579	O	|	|	|	|	1.08
116.500	0.00	0.49	1.576	O	|	|	|	|	1.08
116.583	0.00	0.49	1.572	O	|	|	|	|	1.08
116.667	0.00	0.49	1.569	O	|	|	|	|	1.08
116.750	0.00	0.49	1.566	O	|	|	|	|	1.07
116.833	0.00	0.49	1.562	O	|	|	|	|	1.07
116.917	0.00	0.49	1.559	O	|	|	|	|	1.07
117.000	0.00	0.49	1.556	O	|	|	|	|	1.07
117.083	0.00	0.49	1.552	O	|	|	|	|	1.07
117.167	0.00	0.49	1.549	O	|	|	|	|	1.06
117.250	0.00	0.48	1.546	O	|	|	|	|	1.06
117.333	0.00	0.48	1.542	O	|	|	|	|	1.06

117.417	0.00	0.48	1.539	O	|	|	|	1.06
117.500	0.00	0.48	1.536	O	|	|	|	1.06
117.583	0.00	0.48	1.532	O	|	|	|	1.05
117.667	0.00	0.48	1.529	O	|	|	|	1.05
117.750	0.00	0.48	1.526	O	|	|	|	1.05
117.833	0.00	0.48	1.522	O	|	|	|	1.05
117.917	0.00	0.48	1.519	O	|	|	|	1.04
118.000	0.00	0.48	1.516	O	|	|	|	1.04
118.083	0.00	0.48	1.512	O	|	|	|	1.04
118.167	0.00	0.48	1.509	O	|	|	|	1.04
118.250	0.00	0.48	1.506	O	|	|	|	1.04
118.333	0.00	0.48	1.503	O	|	|	|	1.03
118.417	0.00	0.48	1.499	O	|	|	|	1.03
118.500	0.00	0.48	1.496	O	|	|	|	1.03
118.583	0.00	0.48	1.493	O	|	|	|	1.03
118.667	0.00	0.48	1.489	O	|	|	|	1.03
118.750	0.00	0.48	1.486	O	|	|	|	1.02
118.833	0.00	0.48	1.483	O	|	|	|	1.02
118.917	0.00	0.47	1.480	O	|	|	|	1.02
119.000	0.00	0.47	1.476	O	|	|	|	1.02
119.083	0.00	0.47	1.473	O	|	|	|	1.01
119.167	0.00	0.47	1.470	O	|	|	|	1.01
119.250	0.00	0.47	1.467	O	|	|	|	1.01
119.333	0.00	0.47	1.463	O	|	|	|	1.01
119.417	0.00	0.47	1.460	O	|	|	|	1.01
119.500	0.00	0.47	1.457	O	|	|	|	1.00
119.583	0.00	0.47	1.454	O	|	|	|	1.00
119.667	0.00	0.47	1.450	O	|	|	|	1.00
119.750	0.00	0.47	1.447	O	|	|	|	1.00
119.833	0.00	0.47	1.444	O	|	|	|	1.00
119.917	0.00	0.47	1.441	O	|	|	|	0.99
120.000	0.00	0.47	1.437	O	|	|	|	0.99
120.083	0.00	0.46	1.434	O	|	|	|	0.99
120.167	0.00	0.46	1.431	O	|	|	|	0.99
120.250	0.00	0.46	1.428	O	|	|	|	0.98
120.333	0.00	0.46	1.425	O	|	|	|	0.98
120.417	0.00	0.46	1.421	O	|	|	|	0.98
120.500	0.00	0.46	1.418	O	|	|	|	0.98
120.583	0.00	0.46	1.415	O	|	|	|	0.98
120.667	0.00	0.46	1.412	O	|	|	|	0.97
120.750	0.00	0.46	1.409	O	|	|	|	0.97
120.833	0.00	0.46	1.406	O	|	|	|	0.97
120.917	0.00	0.45	1.403	O	|	|	|	0.97
121.000	0.00	0.45	1.399	O	|	|	|	0.97
121.083	0.00	0.45	1.396	O	|	|	|	0.96
121.167	0.00	0.45	1.393	O	|	|	|	0.96
121.250	0.00	0.45	1.390	O	|	|	|	0.96
121.333	0.00	0.45	1.387	O	|	|	|	0.96
121.417	0.00	0.45	1.384	O	|	|	|	0.95
121.500	0.00	0.45	1.381	O	|	|	|	0.95
121.583	0.00	0.45	1.378	O	|	|	|	0.95
121.667	0.00	0.45	1.375	O	|	|	|	0.95
121.750	0.00	0.44	1.372	O	|	|	|	0.95
121.833	0.00	0.44	1.369	O	|	|	|	0.94
121.917	0.00	0.44	1.365	O	|	|	|	0.94
122.000	0.00	0.44	1.362	O	|	|	|	0.94
122.083	0.00	0.44	1.359	O	|	|	|	0.94
122.167	0.00	0.44	1.356	O	|	|	|	0.94
122.250	0.00	0.44	1.353	O	|	|	|	0.93
122.333	0.00	0.44	1.350	O	|	|	|	0.93
122.417	0.00	0.44	1.347	O	|	|	|	0.93
122.500	0.00	0.44	1.344	O	|	|	|	0.93
122.583	0.00	0.43	1.341	O	|	|	|	0.93
122.667	0.00	0.43	1.338	O	|	|	|	0.92
122.750	0.00	0.43	1.335	O	|	|	|	0.92
122.833	0.00	0.43	1.332	O	|	|	|	0.92
122.917	0.00	0.43	1.329	O	|	|	|	0.92

123.000	0.00	0.43	1.326	O	|	|	|	0.91
123.083	0.00	0.43	1.323	O	|	|	|	0.91
123.167	0.00	0.43	1.321	O	|	|	|	0.91
123.250	0.00	0.43	1.318	O	|	|	|	0.91
123.333	0.00	0.43	1.315	O	|	|	|	0.91
123.417	0.00	0.43	1.312	O	|	|	|	0.90
123.500	0.00	0.42	1.309	O	|	|	|	0.90
123.583	0.00	0.42	1.306	O	|	|	|	0.90
123.667	0.00	0.42	1.303	O	|	|	|	0.90
123.750	0.00	0.42	1.300	O	|	|	|	0.90
123.833	0.00	0.42	1.297	O	|	|	|	0.89
123.917	0.00	0.42	1.294	O	|	|	|	0.89
124.000	0.00	0.42	1.291	O	|	|	|	0.89
124.083	0.00	0.42	1.288	O	|	|	|	0.89
124.167	0.00	0.42	1.286	O	|	|	|	0.89
124.250	0.00	0.42	1.283	O	|	|	|	0.88
124.333	0.00	0.41	1.280	O	|	|	|	0.88
124.417	0.00	0.41	1.277	O	|	|	|	0.88
124.500	0.00	0.41	1.274	O	|	|	|	0.88
124.583	0.00	0.41	1.271	O	|	|	|	0.88
124.667	0.00	0.41	1.269	O	|	|	|	0.87
124.750	0.00	0.41	1.266	O	|	|	|	0.87
124.833	0.00	0.41	1.263	O	|	|	|	0.87
124.917	0.00	0.41	1.260	O	|	|	|	0.87
125.000	0.00	0.41	1.257	O	|	|	|	0.87
125.083	0.00	0.41	1.254	O	|	|	|	0.87
125.167	0.00	0.41	1.252	O	|	|	|	0.86
125.250	0.00	0.40	1.249	O	|	|	|	0.86
125.333	0.00	0.40	1.246	O	|	|	|	0.86
125.417	0.00	0.40	1.243	O	|	|	|	0.86
125.500	0.00	0.40	1.241	O	|	|	|	0.86
125.583	0.00	0.40	1.238	O	|	|	|	0.85
125.667	0.00	0.40	1.235	O	|	|	|	0.85
125.750	0.00	0.40	1.232	O	|	|	|	0.85
125.833	0.00	0.40	1.229	O	|	|	|	0.85
125.917	0.00	0.40	1.227	O	|	|	|	0.85
126.000	0.00	0.40	1.224	O	|	|	|	0.84
126.083	0.00	0.40	1.221	O	|	|	|	0.84
126.167	0.00	0.39	1.219	O	|	|	|	0.84
126.250	0.00	0.39	1.216	O	|	|	|	0.84
126.333	0.00	0.39	1.213	O	|	|	|	0.84
126.417	0.00	0.39	1.210	O	|	|	|	0.83
126.500	0.00	0.39	1.208	O	|	|	|	0.83
126.583	0.00	0.39	1.205	O	|	|	|	0.83
126.667	0.00	0.39	1.202	O	|	|	|	0.83
126.750	0.00	0.39	1.200	O	|	|	|	0.83
126.833	0.00	0.39	1.197	O	|	|	|	0.83
126.917	0.00	0.39	1.194	O	|	|	|	0.82
127.000	0.00	0.39	1.192	O	|	|	|	0.82
127.083	0.00	0.39	1.189	O	|	|	|	0.82
127.167	0.00	0.38	1.186	O	|	|	|	0.82
127.250	0.00	0.38	1.184	O	|	|	|	0.82
127.333	0.00	0.38	1.181	O	|	|	|	0.81
127.417	0.00	0.38	1.178	O	|	|	|	0.81
127.500	0.00	0.38	1.176	O	|	|	|	0.81
127.583	0.00	0.38	1.173	O	|	|	|	0.81
127.667	0.00	0.38	1.171	O	|	|	|	0.81
127.750	0.00	0.38	1.168	O	|	|	|	0.81
127.833	0.00	0.38	1.165	O	|	|	|	0.80
127.917	0.00	0.38	1.163	O	|	|	|	0.80
128.000	0.00	0.38	1.160	O	|	|	|	0.80
128.083	0.00	0.38	1.158	O	|	|	|	0.80
128.167	0.00	0.37	1.155	O	|	|	|	0.80
128.250	0.00	0.37	1.152	O	|	|	|	0.79
128.333	0.00	0.37	1.150	O	|	|	|	0.79
128.417	0.00	0.37	1.147	O	|	|	|	0.79
128.500	0.00	0.37	1.145	O	|	|	|	0.79

128.583	0.00	0.37	1.142	O	|	|	|	0.79
128.667	0.00	0.37	1.140	O	|	|	|	0.79
128.750	0.00	0.37	1.137	O	|	|	|	0.78
128.833	0.00	0.37	1.135	O	|	|	|	0.78
128.917	0.00	0.37	1.132	O	|	|	|	0.78
129.000	0.00	0.37	1.129	O	|	|	|	0.78
129.083	0.00	0.37	1.127	O	|	|	|	0.78
129.167	0.00	0.36	1.124	O	|	|	|	0.78
129.250	0.00	0.36	1.122	O	|	|	|	0.77
129.333	0.00	0.36	1.119	O	|	|	|	0.77
129.417	0.00	0.36	1.117	O	|	|	|	0.77
129.500	0.00	0.36	1.114	O	|	|	|	0.77
129.583	0.00	0.36	1.112	O	|	|	|	0.77
129.667	0.00	0.36	1.109	O	|	|	|	0.77
129.750	0.00	0.36	1.107	O	|	|	|	0.76
129.833	0.00	0.36	1.105	O	|	|	|	0.76
129.917	0.00	0.36	1.102	O	|	|	|	0.76
130.000	0.00	0.36	1.100	O	|	|	|	0.76
130.083	0.00	0.36	1.097	O	|	|	|	0.76
130.167	0.00	0.35	1.095	O	|	|	|	0.75
130.250	0.00	0.35	1.092	O	|	|	|	0.75
130.333	0.00	0.35	1.090	O	|	|	|	0.75
130.417	0.00	0.35	1.087	O	|	|	|	0.75
130.500	0.00	0.35	1.085	O	|	|	|	0.75
130.583	0.00	0.35	1.083	O	|	|	|	0.75
130.667	0.00	0.35	1.080	O	|	|	|	0.74
130.750	0.00	0.35	1.078	O	|	|	|	0.74
130.833	0.00	0.35	1.075	O	|	|	|	0.74
130.917	0.00	0.35	1.073	O	|	|	|	0.74
131.000	0.00	0.35	1.071	O	|	|	|	0.74
131.083	0.00	0.35	1.068	O	|	|	|	0.74
131.167	0.00	0.35	1.066	O	|	|	|	0.74
131.250	0.00	0.34	1.063	O	|	|	|	0.73
131.333	0.00	0.34	1.061	O	|	|	|	0.73
131.417	0.00	0.34	1.059	O	|	|	|	0.73
131.500	0.00	0.34	1.056	O	|	|	|	0.73
131.583	0.00	0.34	1.054	O	|	|	|	0.73
131.667	0.00	0.34	1.052	O	|	|	|	0.73
131.750	0.00	0.34	1.049	O	|	|	|	0.72
131.833	0.00	0.34	1.047	O	|	|	|	0.72
131.917	0.00	0.34	1.045	O	|	|	|	0.72
132.000	0.00	0.34	1.042	O	|	|	|	0.72
132.083	0.00	0.34	1.040	O	|	|	|	0.72
132.167	0.00	0.34	1.038	O	|	|	|	0.72
132.250	0.00	0.34	1.035	O	|	|	|	0.71
132.333	0.00	0.33	1.033	O	|	|	|	0.71
132.417	0.00	0.33	1.031	O	|	|	|	0.71
132.500	0.00	0.33	1.028	O	|	|	|	0.71
132.583	0.00	0.33	1.026	O	|	|	|	0.71
132.667	0.00	0.33	1.024	O	|	|	|	0.71
132.750	0.00	0.33	1.022	O	|	|	|	0.70
132.833	0.00	0.33	1.019	O	|	|	|	0.70
132.917	0.00	0.33	1.017	O	|	|	|	0.70
133.000	0.00	0.33	1.015	O	|	|	|	0.70
133.083	0.00	0.33	1.012	O	|	|	|	0.70
133.167	0.00	0.33	1.010	O	|	|	|	0.70
133.250	0.00	0.33	1.008	O	|	|	|	0.70
133.333	0.00	0.33	1.006	O	|	|	|	0.69
133.417	0.00	0.33	1.003	O	|	|	|	0.69
133.500	0.00	0.32	1.001	O	|	|	|	0.69
133.583	0.00	0.32	0.999	O	|	|	|	0.69
133.667	0.00	0.32	0.997	O	|	|	|	0.69
133.750	0.00	0.32	0.995	O	|	|	|	0.69
133.833	0.00	0.32	0.992	O	|	|	|	0.68
133.917	0.00	0.32	0.990	O	|	|	|	0.68
134.000	0.00	0.32	0.988	O	|	|	|	0.68
134.083	0.00	0.32	0.986	O	|	|	|	0.68

134.167	0.00	0.32	0.983	O	|	|	|	|	0.68
134.250	0.00	0.32	0.981	O	|	|	|	|	0.68
134.333	0.00	0.32	0.979	O	|	|	|	|	0.68
134.417	0.00	0.32	0.977	O	|	|	|	|	0.67
134.500	0.00	0.32	0.975	O	|	|	|	|	0.67
134.583	0.00	0.32	0.973	O	|	|	|	|	0.67
134.667	0.00	0.31	0.970	O	|	|	|	|	0.67
134.750	0.00	0.31	0.968	O	|	|	|	|	0.67
134.833	0.00	0.31	0.966	O	|	|	|	|	0.67
134.917	0.00	0.31	0.964	O	|	|	|	|	0.66
135.000	0.00	0.31	0.962	O	|	|	|	|	0.66
135.083	0.00	0.31	0.960	O	|	|	|	|	0.66
135.167	0.00	0.31	0.957	O	|	|	|	|	0.66
135.250	0.00	0.31	0.955	O	|	|	|	|	0.66
135.333	0.00	0.31	0.953	O	|	|	|	|	0.66
135.417	0.00	0.31	0.951	O	|	|	|	|	0.66
135.500	0.00	0.31	0.949	O	|	|	|	|	0.65
135.583	0.00	0.31	0.947	O	|	|	|	|	0.65
135.667	0.00	0.31	0.945	O	|	|	|	|	0.65
135.750	0.00	0.31	0.943	O	|	|	|	|	0.65
135.833	0.00	0.30	0.941	O	|	|	|	|	0.65
135.917	0.00	0.30	0.938	O	|	|	|	|	0.65
136.000	0.00	0.30	0.936	O	|	|	|	|	0.65
136.083	0.00	0.30	0.934	O	|	|	|	|	0.64
136.167	0.00	0.30	0.932	O	|	|	|	|	0.64
136.250	0.00	0.30	0.930	O	|	|	|	|	0.64
136.333	0.00	0.30	0.928	O	|	|	|	|	0.64
136.417	0.00	0.30	0.926	O	|	|	|	|	0.64
136.500	0.00	0.30	0.924	O	|	|	|	|	0.64
136.583	0.00	0.30	0.922	O	|	|	|	|	0.64
136.667	0.00	0.30	0.920	O	|	|	|	|	0.63
136.750	0.00	0.30	0.918	O	|	|	|	|	0.63
136.833	0.00	0.30	0.916	O	|	|	|	|	0.63
136.917	0.00	0.30	0.914	O	|	|	|	|	0.63
137.000	0.00	0.30	0.912	O	|	|	|	|	0.63
137.083	0.00	0.29	0.910	O	|	|	|	|	0.63
137.167	0.00	0.29	0.908	O	|	|	|	|	0.63
137.250	0.00	0.29	0.906	O	|	|	|	|	0.62
137.333	0.00	0.29	0.904	O	|	|	|	|	0.62
137.417	0.00	0.29	0.901	O	|	|	|	|	0.62
137.500	0.00	0.29	0.899	O	|	|	|	|	0.62
137.583	0.00	0.29	0.897	O	|	|	|	|	0.62
137.667	0.00	0.29	0.895	O	|	|	|	|	0.62
137.750	0.00	0.29	0.893	O	|	|	|	|	0.62
137.833	0.00	0.29	0.891	O	|	|	|	|	0.61
137.917	0.00	0.29	0.889	O	|	|	|	|	0.61
138.000	0.00	0.29	0.888	O	|	|	|	|	0.61
138.083	0.00	0.29	0.886	O	|	|	|	|	0.61
138.167	0.00	0.29	0.884	O	|	|	|	|	0.61
138.250	0.00	0.29	0.882	O	|	|	|	|	0.61
138.333	0.00	0.29	0.880	O	|	|	|	|	0.61
138.417	0.00	0.28	0.878	O	|	|	|	|	0.61
138.500	0.00	0.28	0.876	O	|	|	|	|	0.60
138.583	0.00	0.28	0.874	O	|	|	|	|	0.60
138.667	0.00	0.28	0.872	O	|	|	|	|	0.60
138.750	0.00	0.28	0.870	O	|	|	|	|	0.60
138.833	0.00	0.28	0.868	O	|	|	|	|	0.60
138.917	0.00	0.28	0.866	O	|	|	|	|	0.60
139.000	0.00	0.28	0.864	O	|	|	|	|	0.60
139.083	0.00	0.28	0.862	O	|	|	|	|	0.59
139.167	0.00	0.28	0.860	O	|	|	|	|	0.59
139.250	0.00	0.28	0.858	O	|	|	|	|	0.59
139.333	0.00	0.28	0.856	O	|	|	|	|	0.59
139.417	0.00	0.28	0.854	O	|	|	|	|	0.59
139.500	0.00	0.28	0.853	O	|	|	|	|	0.59
139.583	0.00	0.28	0.851	O	|	|	|	|	0.59
139.667	0.00	0.28	0.849	O	|	|	|	|	0.59

139.750	0.00	0.27	0.847	O	|	|	|	0.58
139.833	0.00	0.27	0.845	O	|	|	|	0.58
139.917	0.00	0.27	0.843	O	|	|	|	0.58
140.000	0.00	0.27	0.841	O	|	|	|	0.58
140.083	0.00	0.27	0.839	O	|	|	|	0.58
140.167	0.00	0.27	0.837	O	|	|	|	0.58
140.250	0.00	0.27	0.836	O	|	|	|	0.58
140.333	0.00	0.27	0.834	O	|	|	|	0.57
140.417	0.00	0.27	0.832	O	|	|	|	0.57
140.500	0.00	0.27	0.830	O	|	|	|	0.57
140.583	0.00	0.27	0.828	O	|	|	|	0.57
140.667	0.00	0.27	0.826	O	|	|	|	0.57
140.750	0.00	0.27	0.824	O	|	|	|	0.57
140.833	0.00	0.27	0.823	O	|	|	|	0.57
140.917	0.00	0.27	0.821	O	|	|	|	0.57
141.000	0.00	0.27	0.819	O	|	|	|	0.56
141.083	0.00	0.26	0.817	O	|	|	|	0.56
141.167	0.00	0.26	0.815	O	|	|	|	0.56
141.250	0.00	0.26	0.814	O	|	|	|	0.56
141.333	0.00	0.26	0.812	O	|	|	|	0.56
141.417	0.00	0.26	0.810	O	|	|	|	0.56
141.500	0.00	0.26	0.808	O	|	|	|	0.56
141.583	0.00	0.26	0.806	O	|	|	|	0.56
141.667	0.00	0.26	0.804	O	|	|	|	0.55
141.750	0.00	0.26	0.803	O	|	|	|	0.55
141.833	0.00	0.26	0.801	O	|	|	|	0.55
141.917	0.00	0.26	0.799	O	|	|	|	0.55
142.000	0.00	0.26	0.797	O	|	|	|	0.55
142.083	0.00	0.26	0.796	O	|	|	|	0.55
142.167	0.00	0.26	0.794	O	|	|	|	0.55
142.250	0.00	0.26	0.792	O	|	|	|	0.55
142.333	0.00	0.26	0.790	O	|	|	|	0.54
142.417	0.00	0.26	0.788	O	|	|	|	0.54
142.500	0.00	0.26	0.787	O	|	|	|	0.54
142.583	0.00	0.25	0.785	O	|	|	|	0.54
142.667	0.00	0.25	0.783	O	|	|	|	0.54
142.750	0.00	0.25	0.781	O	|	|	|	0.54
142.833	0.00	0.25	0.780	O	|	|	|	0.54
142.917	0.00	0.25	0.778	O	|	|	|	0.54
143.000	0.00	0.25	0.776	O	|	|	|	0.54
143.083	0.00	0.25	0.775	O	|	|	|	0.53
143.167	0.00	0.25	0.773	O	|	|	|	0.53
143.250	0.00	0.25	0.771	O	|	|	|	0.53
143.333	0.00	0.25	0.769	O	|	|	|	0.53
143.417	0.00	0.25	0.768	O	|	|	|	0.53
143.500	0.00	0.25	0.766	O	|	|	|	0.53
143.583	0.00	0.25	0.764	O	|	|	|	0.53
143.667	0.00	0.25	0.763	O	|	|	|	0.53
143.750	0.00	0.25	0.761	O	|	|	|	0.52
143.833	0.00	0.25	0.759	O	|	|	|	0.52
143.917	0.00	0.25	0.757	O	|	|	|	0.52
144.000	0.00	0.24	0.756	O	|	|	|	0.52
144.083	0.00	0.24	0.754	O	|	|	|	0.52
144.167	0.00	0.24	0.752	O	|	|	|	0.52
144.250	0.00	0.24	0.751	O	|	|	|	0.52
144.333	0.00	0.24	0.749	O	|	|	|	0.52
144.417	0.00	0.24	0.747	O	|	|	|	0.52
144.500	0.00	0.24	0.746	O	|	|	|	0.51
144.583	0.00	0.24	0.744	O	|	|	|	0.51
144.667	0.00	0.24	0.742	O	|	|	|	0.51
144.750	0.00	0.24	0.741	O	|	|	|	0.51
144.833	0.00	0.24	0.739	O	|	|	|	0.51
144.917	0.00	0.24	0.737	O	|	|	|	0.51
145.000	0.00	0.24	0.736	O	|	|	|	0.51
145.083	0.00	0.24	0.734	O	|	|	|	0.51
145.167	0.00	0.24	0.732	O	|	|	|	0.51
145.250	0.00	0.24	0.731	O	|	|	|	0.50

145.333	0.00	0.24	0.729	O	|	|	|	0.50
145.417	0.00	0.24	0.728	O	|	|	|	0.50
145.500	0.00	0.24	0.726	O	|	|	|	0.50
145.583	0.00	0.23	0.724	O	|	|	|	0.50
145.667	0.00	0.23	0.723	O	|	|	|	0.50
145.750	0.00	0.23	0.721	O	|	|	|	0.50
145.833	0.00	0.23	0.720	O	|	|	|	0.50
145.917	0.00	0.23	0.718	O	|	|	|	0.50
146.000	0.00	0.23	0.716	O	|	|	|	0.49
146.083	0.00	0.23	0.715	O	|	|	|	0.49
146.167	0.00	0.23	0.713	O	|	|	|	0.49
146.250	0.00	0.23	0.712	O	|	|	|	0.49
146.333	0.00	0.23	0.710	O	|	|	|	0.49
146.417	0.00	0.23	0.708	O	|	|	|	0.49
146.500	0.00	0.23	0.707	O	|	|	|	0.49
146.583	0.00	0.23	0.705	O	|	|	|	0.49
146.667	0.00	0.23	0.704	O	|	|	|	0.49
146.750	0.00	0.23	0.702	O	|	|	|	0.48
146.833	0.00	0.23	0.700	O	|	|	|	0.48
146.917	0.00	0.23	0.699	O	|	|	|	0.48
147.000	0.00	0.23	0.697	O	|	|	|	0.48
147.083	0.00	0.23	0.696	O	|	|	|	0.48
147.167	0.00	0.23	0.694	O	|	|	|	0.48
147.250	0.00	0.22	0.693	O	|	|	|	0.48
147.333	0.00	0.22	0.691	O	|	|	|	0.48
147.417	0.00	0.22	0.690	O	|	|	|	0.48
147.500	0.00	0.22	0.688	O	|	|	|	0.47
147.583	0.00	0.22	0.687	O	|	|	|	0.47
147.667	0.00	0.22	0.685	O	|	|	|	0.47
147.750	0.00	0.22	0.684	O	|	|	|	0.47
147.833	0.00	0.22	0.682	O	|	|	|	0.47
147.917	0.00	0.22	0.680	O	|	|	|	0.47
148.000	0.00	0.22	0.679	O	|	|	|	0.47
148.083	0.00	0.22	0.677	O	|	|	|	0.47
148.167	0.00	0.22	0.676	O	|	|	|	0.47
148.250	0.00	0.22	0.674	O	|	|	|	0.47
148.333	0.00	0.22	0.673	O	|	|	|	0.46
148.417	0.00	0.22	0.671	O	|	|	|	0.46
148.500	0.00	0.22	0.670	O	|	|	|	0.46
148.583	0.00	0.22	0.668	O	|	|	|	0.46
148.667	0.00	0.22	0.667	O	|	|	|	0.46
148.750	0.00	0.22	0.665	O	|	|	|	0.46
148.833	0.00	0.22	0.664	O	|	|	|	0.46
148.917	0.00	0.21	0.662	O	|	|	|	0.46
149.000	0.00	0.21	0.661	O	|	|	|	0.46
149.083	0.00	0.21	0.660	O	|	|	|	0.45
149.167	0.00	0.21	0.658	O	|	|	|	0.45
149.250	0.00	0.21	0.657	O	|	|	|	0.45
149.333	0.00	0.21	0.655	O	|	|	|	0.45
149.417	0.00	0.21	0.654	O	|	|	|	0.45
149.500	0.00	0.21	0.652	O	|	|	|	0.45
149.583	0.00	0.21	0.651	O	|	|	|	0.45
149.667	0.00	0.21	0.649	O	|	|	|	0.45
149.750	0.00	0.21	0.648	O	|	|	|	0.45
149.833	0.00	0.21	0.646	O	|	|	|	0.45
149.917	0.00	0.21	0.645	O	|	|	|	0.44
150.000	0.00	0.21	0.644	O	|	|	|	0.44
150.083	0.00	0.21	0.642	O	|	|	|	0.44
150.167	0.00	0.21	0.641	O	|	|	|	0.44
150.250	0.00	0.21	0.639	O	|	|	|	0.44
150.333	0.00	0.21	0.638	O	|	|	|	0.44
150.417	0.00	0.21	0.636	O	|	|	|	0.44
150.500	0.00	0.21	0.635	O	|	|	|	0.44
150.583	0.00	0.21	0.634	O	|	|	|	0.44
150.667	0.00	0.20	0.632	O	|	|	|	0.44
150.750	0.00	0.20	0.631	O	|	|	|	0.43
150.833	0.00	0.20	0.629	O	|	|	|	0.43

150.917	0.00	0.20	0.628	O	|	|	|	|	0.43
151.000	0.00	0.20	0.627	O	|	|	|	|	0.43
151.083	0.00	0.20	0.625	O	|	|	|	|	0.43
151.167	0.00	0.20	0.624	O	|	|	|	|	0.43
151.250	0.00	0.20	0.622	O	|	|	|	|	0.43
151.333	0.00	0.20	0.621	O	|	|	|	|	0.43
151.417	0.00	0.20	0.620	O	|	|	|	|	0.43
151.500	0.00	0.20	0.618	O	|	|	|	|	0.43
151.583	0.00	0.20	0.617	O	|	|	|	|	0.43
151.667	0.00	0.20	0.615	O	|	|	|	|	0.42
151.750	0.00	0.20	0.614	O	|	|	|	|	0.42
151.833	0.00	0.20	0.613	O	|	|	|	|	0.42
151.917	0.00	0.20	0.611	O	|	|	|	|	0.42
152.000	0.00	0.20	0.610	O	|	|	|	|	0.42
152.083	0.00	0.20	0.609	O	|	|	|	|	0.42
152.167	0.00	0.20	0.607	O	|	|	|	|	0.42
152.250	0.00	0.20	0.606	O	|	|	|	|	0.42
152.333	0.00	0.20	0.605	O	|	|	|	|	0.42
152.417	0.00	0.20	0.603	O	|	|	|	|	0.42
152.500	0.00	0.20	0.602	O	|	|	|	|	0.42
152.583	0.00	0.19	0.600	O	|	|	|	|	0.41
152.667	0.00	0.19	0.599	O	|	|	|	|	0.41
152.750	0.00	0.19	0.598	O	|	|	|	|	0.41
152.833	0.00	0.19	0.596	O	|	|	|	|	0.41
152.917	0.00	0.19	0.595	O	|	|	|	|	0.41
153.000	0.00	0.19	0.594	O	|	|	|	|	0.41
153.083	0.00	0.19	0.593	O	|	|	|	|	0.41
153.167	0.00	0.19	0.591	O	|	|	|	|	0.41
153.250	0.00	0.19	0.590	O	|	|	|	|	0.41
153.333	0.00	0.19	0.589	O	|	|	|	|	0.41
153.417	0.00	0.19	0.587	O	|	|	|	|	0.40
153.500	0.00	0.19	0.586	O	|	|	|	|	0.40
153.583	0.00	0.19	0.585	O	|	|	|	|	0.40
153.667	0.00	0.19	0.583	O	|	|	|	|	0.40
153.750	0.00	0.19	0.582	O	|	|	|	|	0.40
153.833	0.00	0.19	0.581	O	|	|	|	|	0.40
153.917	0.00	0.19	0.579	O	|	|	|	|	0.40
154.000	0.00	0.19	0.578	O	|	|	|	|	0.40
154.083	0.00	0.19	0.577	O	|	|	|	|	0.40
154.167	0.00	0.19	0.576	O	|	|	|	|	0.40
154.250	0.00	0.19	0.574	O	|	|	|	|	0.40
154.333	0.00	0.19	0.573	O	|	|	|	|	0.40
154.417	0.00	0.19	0.572	O	|	|	|	|	0.39
154.500	0.00	0.18	0.570	O	|	|	|	|	0.39
154.583	0.00	0.18	0.569	O	|	|	|	|	0.39
154.667	0.00	0.18	0.568	O	|	|	|	|	0.39
154.750	0.00	0.18	0.567	O	|	|	|	|	0.39
154.833	0.00	0.18	0.565	O	|	|	|	|	0.39
154.917	0.00	0.18	0.564	O	|	|	|	|	0.39
155.000	0.00	0.18	0.563	O	|	|	|	|	0.39
155.083	0.00	0.18	0.562	O	|	|	|	|	0.39
155.167	0.00	0.18	0.560	O	|	|	|	|	0.39
155.250	0.00	0.18	0.559	O	|	|	|	|	0.39
155.333	0.00	0.18	0.558	O	|	|	|	|	0.38
155.417	0.00	0.18	0.557	O	|	|	|	|	0.38
155.500	0.00	0.18	0.555	O	|	|	|	|	0.38
155.583	0.00	0.18	0.554	O	|	|	|	|	0.38
155.667	0.00	0.18	0.553	O	|	|	|	|	0.38
155.750	0.00	0.18	0.552	O	|	|	|	|	0.38
155.833	0.00	0.18	0.550	O	|	|	|	|	0.38
155.917	0.00	0.18	0.549	O	|	|	|	|	0.38
156.000	0.00	0.18	0.548	O	|	|	|	|	0.38
156.083	0.00	0.18	0.547	O	|	|	|	|	0.38
156.167	0.00	0.18	0.546	O	|	|	|	|	0.38
156.250	0.00	0.18	0.544	O	|	|	|	|	0.38
156.333	0.00	0.18	0.543	O	|	|	|	|	0.37
156.417	0.00	0.18	0.542	O	|	|	|	|	0.37

156.500	0.00	0.18	0.541	O	|	|	|	|	0.37
156.583	0.00	0.17	0.539	O	|	|	|	|	0.37
156.667	0.00	0.17	0.538	O	|	|	|	|	0.37
156.750	0.00	0.17	0.537	O	|	|	|	|	0.37
156.833	0.00	0.17	0.536	O	|	|	|	|	0.37
156.917	0.00	0.17	0.535	O	|	|	|	|	0.37
157.000	0.00	0.17	0.533	O	|	|	|	|	0.37
157.083	0.00	0.17	0.532	O	|	|	|	|	0.37
157.167	0.00	0.17	0.531	O	|	|	|	|	0.37
157.250	0.00	0.17	0.530	O	|	|	|	|	0.37
157.333	0.00	0.17	0.529	O	|	|	|	|	0.36
157.417	0.00	0.17	0.528	O	|	|	|	|	0.36
157.500	0.00	0.17	0.526	O	|	|	|	|	0.36
157.583	0.00	0.17	0.525	O	|	|	|	|	0.36
157.667	0.00	0.17	0.524	O	|	|	|	|	0.36
157.750	0.00	0.17	0.523	O	|	|	|	|	0.36
157.833	0.00	0.17	0.522	O	|	|	|	|	0.36
157.917	0.00	0.17	0.521	O	|	|	|	|	0.36
158.000	0.00	0.17	0.519	O	|	|	|	|	0.36
158.083	0.00	0.17	0.518	O	|	|	|	|	0.36
158.167	0.00	0.17	0.517	O	|	|	|	|	0.36
158.250	0.00	0.17	0.516	O	|	|	|	|	0.36
158.333	0.00	0.17	0.515	O	|	|	|	|	0.36
158.417	0.00	0.17	0.514	O	|	|	|	|	0.35
158.500	0.00	0.17	0.512	O	|	|	|	|	0.35
158.583	0.00	0.17	0.511	O	|	|	|	|	0.35
158.667	0.00	0.17	0.510	O	|	|	|	|	0.35
158.750	0.00	0.17	0.509	O	|	|	|	|	0.35
158.833	0.00	0.16	0.508	O	|	|	|	|	0.35
158.917	0.00	0.16	0.507	O	|	|	|	|	0.35
159.000	0.00	0.16	0.506	O	|	|	|	|	0.35
159.083	0.00	0.16	0.505	O	|	|	|	|	0.35
159.167	0.00	0.16	0.503	O	|	|	|	|	0.35
159.250	0.00	0.16	0.502	O	|	|	|	|	0.35
159.333	0.00	0.16	0.501	O	|	|	|	|	0.35
159.417	0.00	0.16	0.500	O	|	|	|	|	0.34
159.500	0.00	0.16	0.499	O	|	|	|	|	0.34
159.583	0.00	0.16	0.498	O	|	|	|	|	0.34
159.667	0.00	0.16	0.497	O	|	|	|	|	0.34
159.750	0.00	0.16	0.496	O	|	|	|	|	0.34
159.833	0.00	0.16	0.494	O	|	|	|	|	0.34
159.917	0.00	0.16	0.493	O	|	|	|	|	0.34
160.000	0.00	0.16	0.492	O	|	|	|	|	0.34
160.083	0.00	0.16	0.491	O	|	|	|	|	0.34
160.167	0.00	0.16	0.490	O	|	|	|	|	0.34
160.250	0.00	0.16	0.489	O	|	|	|	|	0.34
160.333	0.00	0.16	0.488	O	|	|	|	|	0.34
160.417	0.00	0.16	0.487	O	|	|	|	|	0.34
160.500	0.00	0.16	0.486	O	|	|	|	|	0.33
160.583	0.00	0.16	0.485	O	|	|	|	|	0.33
160.667	0.00	0.16	0.484	O	|	|	|	|	0.33
160.750	0.00	0.16	0.483	O	|	|	|	|	0.33
160.833	0.00	0.16	0.481	O	|	|	|	|	0.33
160.917	0.00	0.16	0.480	O	|	|	|	|	0.33
161.000	0.00	0.16	0.479	O	|	|	|	|	0.33
161.083	0.00	0.16	0.478	O	|	|	|	|	0.33
161.167	0.00	0.15	0.477	O	|	|	|	|	0.33
161.250	0.00	0.15	0.476	O	|	|	|	|	0.33
161.333	0.00	0.15	0.475	O	|	|	|	|	0.33
161.417	0.00	0.15	0.474	O	|	|	|	|	0.33
161.500	0.00	0.15	0.473	O	|	|	|	|	0.33
161.583	0.00	0.15	0.472	O	|	|	|	|	0.33
161.667	0.00	0.15	0.471	O	|	|	|	|	0.32
161.750	0.00	0.15	0.470	O	|	|	|	|	0.32
161.833	0.00	0.15	0.469	O	|	|	|	|	0.32
161.917	0.00	0.15	0.468	O	|	|	|	|	0.32
162.000	0.00	0.15	0.467	O	|	|	|	|	0.32

162.083	0.00	0.15	0.466	O	|	|	|	|	0.32
162.167	0.00	0.15	0.465	O	|	|	|	|	0.32
162.250	0.00	0.15	0.464	O	|	|	|	|	0.32
162.333	0.00	0.15	0.462	O	|	|	|	|	0.32
162.417	0.00	0.15	0.461	O	|	|	|	|	0.32
162.500	0.00	0.15	0.460	O	|	|	|	|	0.32
162.583	0.00	0.15	0.459	O	|	|	|	|	0.32
162.667	0.00	0.15	0.458	O	|	|	|	|	0.32
162.750	0.00	0.15	0.457	O	|	|	|	|	0.32
162.833	0.00	0.15	0.456	O	|	|	|	|	0.31
162.917	0.00	0.15	0.455	O	|	|	|	|	0.31
163.000	0.00	0.15	0.454	O	|	|	|	|	0.31
163.083	0.00	0.15	0.453	O	|	|	|	|	0.31
163.167	0.00	0.15	0.452	O	|	|	|	|	0.31
163.250	0.00	0.15	0.451	O	|	|	|	|	0.31
163.333	0.00	0.15	0.450	O	|	|	|	|	0.31
163.417	0.00	0.15	0.449	O	|	|	|	|	0.31
163.500	0.00	0.15	0.448	O	|	|	|	|	0.31
163.583	0.00	0.14	0.447	O	|	|	|	|	0.31
163.667	0.00	0.14	0.446	O	|	|	|	|	0.31
163.750	0.00	0.14	0.445	O	|	|	|	|	0.31
163.833	0.00	0.14	0.444	O	|	|	|	|	0.31
163.917	0.00	0.14	0.443	O	|	|	|	|	0.31
164.000	0.00	0.14	0.442	O	|	|	|	|	0.31
164.083	0.00	0.14	0.441	O	|	|	|	|	0.30
164.167	0.00	0.14	0.440	O	|	|	|	|	0.30
164.250	0.00	0.14	0.439	O	|	|	|	|	0.30
164.333	0.00	0.14	0.438	O	|	|	|	|	0.30
164.417	0.00	0.14	0.437	O	|	|	|	|	0.30
164.500	0.00	0.14	0.436	O	|	|	|	|	0.30
164.583	0.00	0.14	0.435	O	|	|	|	|	0.30
164.667	0.00	0.14	0.434	O	|	|	|	|	0.30
164.750	0.00	0.14	0.433	O	|	|	|	|	0.30
164.833	0.00	0.14	0.433	O	|	|	|	|	0.30
164.917	0.00	0.14	0.432	O	|	|	|	|	0.30
165.000	0.00	0.14	0.431	O	|	|	|	|	0.30
165.083	0.00	0.14	0.430	O	|	|	|	|	0.30
165.167	0.00	0.14	0.429	O	|	|	|	|	0.30
165.250	0.00	0.14	0.428	O	|	|	|	|	0.29
165.333	0.00	0.14	0.427	O	|	|	|	|	0.29
165.417	0.00	0.14	0.426	O	|	|	|	|	0.29
165.500	0.00	0.14	0.425	O	|	|	|	|	0.29
165.583	0.00	0.14	0.424	O	|	|	|	|	0.29
165.667	0.00	0.14	0.423	O	|	|	|	|	0.29
165.750	0.00	0.14	0.422	O	|	|	|	|	0.29
165.833	0.00	0.14	0.421	O	|	|	|	|	0.29
165.917	0.00	0.14	0.420	O	|	|	|	|	0.29
166.000	0.00	0.14	0.419	O	|	|	|	|	0.29
166.083	0.00	0.14	0.418	O	|	|	|	|	0.29
166.167	0.00	0.14	0.417	O	|	|	|	|	0.29
166.250	0.00	0.13	0.416	O	|	|	|	|	0.29
166.333	0.00	0.13	0.415	O	|	|	|	|	0.29
166.417	0.00	0.13	0.415	O	|	|	|	|	0.29
166.500	0.00	0.13	0.414	O	|	|	|	|	0.29
166.583	0.00	0.13	0.413	O	|	|	|	|	0.28
166.667	0.00	0.13	0.412	O	|	|	|	|	0.28
166.750	0.00	0.13	0.411	O	|	|	|	|	0.28
166.833	0.00	0.13	0.410	O	|	|	|	|	0.28
166.917	0.00	0.13	0.409	O	|	|	|	|	0.28
167.000	0.00	0.13	0.408	O	|	|	|	|	0.28
167.083	0.00	0.13	0.407	O	|	|	|	|	0.28
167.167	0.00	0.13	0.406	O	|	|	|	|	0.28
167.250	0.00	0.13	0.405	O	|	|	|	|	0.28
167.333	0.00	0.13	0.404	O	|	|	|	|	0.28
167.417	0.00	0.13	0.404	O	|	|	|	|	0.28
167.500	0.00	0.13	0.403	O	|	|	|	|	0.28
167.583	0.00	0.13	0.402	O	|	|	|	|	0.28

167.667	0.00	0.13	0.401	O	|	|	|	|	0.28
167.750	0.00	0.13	0.400	O	|	|	|	|	0.28
167.833	0.00	0.13	0.399	O	|	|	|	|	0.28
167.917	0.00	0.13	0.398	O	|	|	|	|	0.27
168.000	0.00	0.13	0.397	O	|	|	|	|	0.27
168.083	0.00	0.13	0.396	O	|	|	|	|	0.27
168.167	0.00	0.13	0.396	O	|	|	|	|	0.27
168.250	0.00	0.13	0.395	O	|	|	|	|	0.27
168.333	0.00	0.13	0.394	O	|	|	|	|	0.27
168.417	0.00	0.13	0.393	O	|	|	|	|	0.27
168.500	0.00	0.13	0.392	O	|	|	|	|	0.27
168.583	0.00	0.13	0.391	O	|	|	|	|	0.27
168.667	0.00	0.13	0.390	O	|	|	|	|	0.27
168.750	0.00	0.13	0.389	O	|	|	|	|	0.27
168.833	0.00	0.13	0.389	O	|	|	|	|	0.27
168.917	0.00	0.13	0.388	O	|	|	|	|	0.27
169.000	0.00	0.13	0.387	O	|	|	|	|	0.27
169.083	0.00	0.13	0.386	O	|	|	|	|	0.27
169.167	0.00	0.12	0.385	O	|	|	|	|	0.27
169.250	0.00	0.12	0.384	O	|	|	|	|	0.26
169.333	0.00	0.12	0.383	O	|	|	|	|	0.26
169.417	0.00	0.12	0.383	O	|	|	|	|	0.26
169.500	0.00	0.12	0.382	O	|	|	|	|	0.26
169.583	0.00	0.12	0.381	O	|	|	|	|	0.26
169.667	0.00	0.12	0.380	O	|	|	|	|	0.26
169.750	0.00	0.12	0.379	O	|	|	|	|	0.26
169.833	0.00	0.12	0.378	O	|	|	|	|	0.26
169.917	0.00	0.12	0.377	O	|	|	|	|	0.26
170.000	0.00	0.12	0.377	O	|	|	|	|	0.26
170.083	0.00	0.12	0.376	O	|	|	|	|	0.26
170.167	0.00	0.12	0.375	O	|	|	|	|	0.26
170.250	0.00	0.12	0.374	O	|	|	|	|	0.26
170.333	0.00	0.12	0.373	O	|	|	|	|	0.26
170.417	0.00	0.12	0.372	O	|	|	|	|	0.26
170.500	0.00	0.12	0.372	O	|	|	|	|	0.26
170.583	0.00	0.12	0.371	O	|	|	|	|	0.26
170.667	0.00	0.12	0.370	O	|	|	|	|	0.26
170.750	0.00	0.12	0.369	O	|	|	|	|	0.25
170.833	0.00	0.12	0.368	O	|	|	|	|	0.25
170.917	0.00	0.12	0.367	O	|	|	|	|	0.25
171.000	0.00	0.12	0.367	O	|	|	|	|	0.25
171.083	0.00	0.12	0.366	O	|	|	|	|	0.25
171.167	0.00	0.12	0.365	O	|	|	|	|	0.25
171.250	0.00	0.12	0.364	O	|	|	|	|	0.25
171.333	0.00	0.12	0.363	O	|	|	|	|	0.25
171.417	0.00	0.12	0.363	O	|	|	|	|	0.25
171.500	0.00	0.12	0.362	O	|	|	|	|	0.25
171.583	0.00	0.12	0.361	O	|	|	|	|	0.25
171.667	0.00	0.12	0.360	O	|	|	|	|	0.25
171.750	0.00	0.12	0.359	O	|	|	|	|	0.25
171.833	0.00	0.12	0.359	O	|	|	|	|	0.25
171.917	0.00	0.12	0.358	O	|	|	|	|	0.25
172.000	0.00	0.12	0.357	O	|	|	|	|	0.25
172.083	0.00	0.12	0.356	O	|	|	|	|	0.25
172.167	0.00	0.12	0.355	O	|	|	|	|	0.25
172.250	0.00	0.11	0.355	O	|	|	|	|	0.24
172.333	0.00	0.11	0.354	O	|	|	|	|	0.24
172.417	0.00	0.11	0.353	O	|	|	|	|	0.24
172.500	0.00	0.11	0.352	O	|	|	|	|	0.24
172.583	0.00	0.11	0.351	O	|	|	|	|	0.24
172.667	0.00	0.11	0.351	O	|	|	|	|	0.24
172.750	0.00	0.11	0.350	O	|	|	|	|	0.24
172.833	0.00	0.11	0.349	O	|	|	|	|	0.24
172.917	0.00	0.11	0.348	O	|	|	|	|	0.24
173.000	0.00	0.11	0.348	O	|	|	|	|	0.24
173.083	0.00	0.11	0.347	O	|	|	|	|	0.24
173.167	0.00	0.11	0.346	O	|	|	|	|	0.24

173.250	0.00	0.11	0.345	O	|	|	|	|	0.24
173.333	0.00	0.11	0.344	O	|	|	|	|	0.24
173.417	0.00	0.11	0.344	O	|	|	|	|	0.24
173.500	0.00	0.11	0.343	O	|	|	|	|	0.24
173.583	0.00	0.11	0.342	O	|	|	|	|	0.24
173.667	0.00	0.11	0.341	O	|	|	|	|	0.24
173.750	0.00	0.11	0.341	O	|	|	|	|	0.23
173.833	0.00	0.11	0.340	O	|	|	|	|	0.23
173.917	0.00	0.11	0.339	O	|	|	|	|	0.23
174.000	0.00	0.11	0.338	O	|	|	|	|	0.23
174.083	0.00	0.11	0.338	O	|	|	|	|	0.23
174.167	0.00	0.11	0.337	O	|	|	|	|	0.23
174.250	0.00	0.11	0.336	O	|	|	|	|	0.23
174.333	0.00	0.11	0.335	O	|	|	|	|	0.23
174.417	0.00	0.11	0.335	O	|	|	|	|	0.23
174.500	0.00	0.11	0.334	O	|	|	|	|	0.23
174.583	0.00	0.11	0.333	O	|	|	|	|	0.23
174.667	0.00	0.11	0.332	O	|	|	|	|	0.23
174.750	0.00	0.11	0.332	O	|	|	|	|	0.23
174.833	0.00	0.11	0.331	O	|	|	|	|	0.23
174.917	0.00	0.11	0.330	O	|	|	|	|	0.23
175.000	0.00	0.11	0.329	O	|	|	|	|	0.23
175.083	0.00	0.11	0.329	O	|	|	|	|	0.23
175.167	0.00	0.11	0.328	O	|	|	|	|	0.23
175.250	0.00	0.11	0.327	O	|	|	|	|	0.23
175.333	0.00	0.11	0.326	O	|	|	|	|	0.23
175.417	0.00	0.11	0.326	O	|	|	|	|	0.22
175.500	0.00	0.11	0.325	O	|	|	|	|	0.22
175.583	0.00	0.11	0.324	O	|	|	|	|	0.22
175.667	0.00	0.10	0.324	O	|	|	|	|	0.22
175.750	0.00	0.10	0.323	O	|	|	|	|	0.22
175.833	0.00	0.10	0.322	O	|	|	|	|	0.22
175.917	0.00	0.10	0.321	O	|	|	|	|	0.22
176.000	0.00	0.10	0.321	O	|	|	|	|	0.22
176.083	0.00	0.10	0.320	O	|	|	|	|	0.22
176.167	0.00	0.10	0.319	O	|	|	|	|	0.22
176.250	0.00	0.10	0.319	O	|	|	|	|	0.22
176.333	0.00	0.10	0.318	O	|	|	|	|	0.22
176.417	0.00	0.10	0.317	O	|	|	|	|	0.22
176.500	0.00	0.10	0.316	O	|	|	|	|	0.22
176.583	0.00	0.10	0.316	O	|	|	|	|	0.22
176.667	0.00	0.10	0.315	O	|	|	|	|	0.22
176.750	0.00	0.10	0.314	O	|	|	|	|	0.22
176.833	0.00	0.10	0.314	O	|	|	|	|	0.22
176.917	0.00	0.10	0.313	O	|	|	|	|	0.22
177.000	0.00	0.10	0.312	O	|	|	|	|	0.22
177.083	0.00	0.10	0.312	O	|	|	|	|	0.21
177.167	0.00	0.10	0.311	O	|	|	|	|	0.21
177.250	0.00	0.10	0.310	O	|	|	|	|	0.21
177.333	0.00	0.10	0.309	O	|	|	|	|	0.21
177.417	0.00	0.10	0.309	O	|	|	|	|	0.21
177.500	0.00	0.10	0.308	O	|	|	|	|	0.21
177.583	0.00	0.10	0.307	O	|	|	|	|	0.21
177.667	0.00	0.10	0.307	O	|	|	|	|	0.21
177.750	0.00	0.10	0.306	O	|	|	|	|	0.21
177.833	0.00	0.10	0.305	O	|	|	|	|	0.21
177.917	0.00	0.10	0.305	O	|	|	|	|	0.21
178.000	0.00	0.10	0.304	O	|	|	|	|	0.21
178.083	0.00	0.10	0.303	O	|	|	|	|	0.21
178.167	0.00	0.10	0.303	O	|	|	|	|	0.21
178.250	0.00	0.10	0.302	O	|	|	|	|	0.21
178.333	0.00	0.10	0.301	O	|	|	|	|	0.21
178.417	0.00	0.10	0.301	O	|	|	|	|	0.21
178.500	0.00	0.10	0.300	O	|	|	|	|	0.21
178.583	0.00	0.10	0.299	O	|	|	|	|	0.21
178.667	0.00	0.10	0.299	O	|	|	|	|	0.21
178.750	0.00	0.10	0.298	O	|	|	|	|	0.21

178.833	0.00	0.10	0.297	O	|	|	|	|	0.20
178.917	0.00	0.10	0.297	O	|	|	|	|	0.20
179.000	0.00	0.10	0.296	O	|	|	|	|	0.20
179.083	0.00	0.10	0.295	O	|	|	|	|	0.20
179.167	0.00	0.10	0.295	O	|	|	|	|	0.20
179.250	0.00	0.10	0.294	O	|	|	|	|	0.20
179.333	0.00	0.10	0.293	O	|	|	|	|	0.20
179.417	0.00	0.09	0.293	O	|	|	|	|	0.20
179.500	0.00	0.09	0.292	O	|	|	|	|	0.20
179.583	0.00	0.09	0.291	O	|	|	|	|	0.20
179.667	0.00	0.09	0.291	O	|	|	|	|	0.20
179.750	0.00	0.09	0.290	O	|	|	|	|	0.20
179.833	0.00	0.09	0.289	O	|	|	|	|	0.20
179.917	0.00	0.09	0.289	O	|	|	|	|	0.20
180.000	0.00	0.09	0.288	O	|	|	|	|	0.20
180.083	0.00	0.09	0.287	O	|	|	|	|	0.20
180.167	0.00	0.09	0.287	O	|	|	|	|	0.20
180.250	0.00	0.09	0.286	O	|	|	|	|	0.20
180.333	0.00	0.09	0.286	O	|	|	|	|	0.20
180.417	0.00	0.09	0.285	O	|	|	|	|	0.20
180.500	0.00	0.09	0.284	O	|	|	|	|	0.20
180.583	0.00	0.09	0.284	O	|	|	|	|	0.20
180.667	0.00	0.09	0.283	O	|	|	|	|	0.20
180.750	0.00	0.09	0.282	O	|	|	|	|	0.19
180.833	0.00	0.09	0.282	O	|	|	|	|	0.19
180.917	0.00	0.09	0.281	O	|	|	|	|	0.19
181.000	0.00	0.09	0.280	O	|	|	|	|	0.19
181.083	0.00	0.09	0.280	O	|	|	|	|	0.19
181.167	0.00	0.09	0.279	O	|	|	|	|	0.19
181.250	0.00	0.09	0.279	O	|	|	|	|	0.19
181.333	0.00	0.09	0.278	O	|	|	|	|	0.19
181.417	0.00	0.09	0.277	O	|	|	|	|	0.19
181.500	0.00	0.09	0.277	O	|	|	|	|	0.19
181.583	0.00	0.09	0.276	O	|	|	|	|	0.19
181.667	0.00	0.09	0.276	O	|	|	|	|	0.19
181.750	0.00	0.09	0.275	O	|	|	|	|	0.19
181.833	0.00	0.09	0.274	O	|	|	|	|	0.19
181.917	0.00	0.09	0.274	O	|	|	|	|	0.19
182.000	0.00	0.09	0.273	O	|	|	|	|	0.19
182.083	0.00	0.09	0.272	O	|	|	|	|	0.19
182.167	0.00	0.09	0.272	O	|	|	|	|	0.19
182.250	0.00	0.09	0.271	O	|	|	|	|	0.19
182.333	0.00	0.09	0.271	O	|	|	|	|	0.19
182.417	0.00	0.09	0.270	O	|	|	|	|	0.19
182.500	0.00	0.09	0.269	O	|	|	|	|	0.19
182.583	0.00	0.09	0.269	O	|	|	|	|	0.19
182.667	0.00	0.09	0.268	O	|	|	|	|	0.18
182.750	0.00	0.09	0.268	O	|	|	|	|	0.18
182.833	0.00	0.09	0.267	O	|	|	|	|	0.18
182.917	0.00	0.09	0.266	O	|	|	|	|	0.18
183.000	0.00	0.09	0.266	O	|	|	|	|	0.18
183.083	0.00	0.09	0.265	O	|	|	|	|	0.18
183.167	0.00	0.09	0.265	O	|	|	|	|	0.18
183.250	0.00	0.09	0.264	O	|	|	|	|	0.18
183.333	0.00	0.09	0.263	O	|	|	|	|	0.18
183.417	0.00	0.09	0.263	O	|	|	|	|	0.18
183.500	0.00	0.09	0.262	O	|	|	|	|	0.18
183.583	0.00	0.08	0.262	O	|	|	|	|	0.18
183.667	0.00	0.08	0.261	O	|	|	|	|	0.18
183.750	0.00	0.08	0.261	O	|	|	|	|	0.18
183.833	0.00	0.08	0.260	O	|	|	|	|	0.18
183.917	0.00	0.08	0.259	O	|	|	|	|	0.18
184.000	0.00	0.08	0.259	O	|	|	|	|	0.18
184.083	0.00	0.08	0.258	O	|	|	|	|	0.18
184.167	0.00	0.08	0.258	O	|	|	|	|	0.18
184.250	0.00	0.08	0.257	O	|	|	|	|	0.18
184.333	0.00	0.08	0.257	O	|	|	|	|	0.18

184.417	0.00	0.08	0.256	O	|	|	|	|	0.18
184.500	0.00	0.08	0.255	O	|	|	|	|	0.18
184.583	0.00	0.08	0.255	O	|	|	|	|	0.18
184.667	0.00	0.08	0.254	O	|	|	|	|	0.18
184.750	0.00	0.08	0.254	O	|	|	|	|	0.17
184.833	0.00	0.08	0.253	O	|	|	|	|	0.17
184.917	0.00	0.08	0.253	O	|	|	|	|	0.17
185.000	0.00	0.08	0.252	O	|	|	|	|	0.17
185.083	0.00	0.08	0.251	O	|	|	|	|	0.17
185.167	0.00	0.08	0.251	O	|	|	|	|	0.17
185.250	0.00	0.08	0.250	O	|	|	|	|	0.17
185.333	0.00	0.08	0.250	O	|	|	|	|	0.17
185.417	0.00	0.08	0.249	O	|	|	|	|	0.17
185.500	0.00	0.08	0.249	O	|	|	|	|	0.17
185.583	0.00	0.08	0.248	O	|	|	|	|	0.17
185.667	0.00	0.08	0.248	O	|	|	|	|	0.17
185.750	0.00	0.08	0.247	O	|	|	|	|	0.17
185.833	0.00	0.08	0.246	O	|	|	|	|	0.17
185.917	0.00	0.08	0.246	O	|	|	|	|	0.17
186.000	0.00	0.08	0.245	O	|	|	|	|	0.17
186.083	0.00	0.08	0.245	O	|	|	|	|	0.17
186.167	0.00	0.08	0.244	O	|	|	|	|	0.17
186.250	0.00	0.08	0.244	O	|	|	|	|	0.17
186.333	0.00	0.08	0.243	O	|	|	|	|	0.17
186.417	0.00	0.08	0.243	O	|	|	|	|	0.17
186.500	0.00	0.08	0.242	O	|	|	|	|	0.17
186.583	0.00	0.08	0.242	O	|	|	|	|	0.17
186.667	0.00	0.08	0.241	O	|	|	|	|	0.17
186.750	0.00	0.08	0.240	O	|	|	|	|	0.17
186.833	0.00	0.08	0.240	O	|	|	|	|	0.17
186.917	0.00	0.08	0.239	O	|	|	|	|	0.17
187.000	0.00	0.08	0.239	O	|	|	|	|	0.16
187.083	0.00	0.08	0.238	O	|	|	|	|	0.16
187.167	0.00	0.08	0.238	O	|	|	|	|	0.16
187.250	0.00	0.08	0.237	O	|	|	|	|	0.16
187.333	0.00	0.08	0.237	O	|	|	|	|	0.16
187.417	0.00	0.08	0.236	O	|	|	|	|	0.16
187.500	0.00	0.08	0.236	O	|	|	|	|	0.16
187.583	0.00	0.08	0.235	O	|	|	|	|	0.16
187.667	0.00	0.08	0.235	O	|	|	|	|	0.16
187.750	0.00	0.08	0.234	O	|	|	|	|	0.16
187.833	0.00	0.08	0.234	O	|	|	|	|	0.16
187.917	0.00	0.08	0.233	O	|	|	|	|	0.16
188.000	0.00	0.08	0.233	O	|	|	|	|	0.16
188.083	0.00	0.08	0.232	O	|	|	|	|	0.16
188.167	0.00	0.08	0.231	O	|	|	|	|	0.16
188.250	0.00	0.07	0.231	O	|	|	|	|	0.16
188.333	0.00	0.07	0.230	O	|	|	|	|	0.16
188.417	0.00	0.07	0.230	O	|	|	|	|	0.16
188.500	0.00	0.07	0.229	O	|	|	|	|	0.16
188.583	0.00	0.07	0.229	O	|	|	|	|	0.16
188.667	0.00	0.07	0.228	O	|	|	|	|	0.16
188.750	0.00	0.07	0.228	O	|	|	|	|	0.16
188.833	0.00	0.07	0.227	O	|	|	|	|	0.16
188.917	0.00	0.07	0.227	O	|	|	|	|	0.16
189.000	0.00	0.07	0.226	O	|	|	|	|	0.16
189.083	0.00	0.07	0.226	O	|	|	|	|	0.16
189.167	0.00	0.07	0.225	O	|	|	|	|	0.16
189.250	0.00	0.07	0.225	O	|	|	|	|	0.16
189.333	0.00	0.07	0.224	O	|	|	|	|	0.15
189.417	0.00	0.07	0.224	O	|	|	|	|	0.15
189.500	0.00	0.07	0.223	O	|	|	|	|	0.15
189.583	0.00	0.07	0.223	O	|	|	|	|	0.15
189.667	0.00	0.07	0.222	O	|	|	|	|	0.15
189.750	0.00	0.07	0.222	O	|	|	|	|	0.15
189.833	0.00	0.07	0.221	O	|	|	|	|	0.15
189.917	0.00	0.07	0.221	O	|	|	|	|	0.15

190.000	0.00	0.07	0.220	O	|	|	|	0.15
190.083	0.00	0.07	0.220	O	|	|	|	0.15
190.167	0.00	0.07	0.219	O	|	|	|	0.15
190.250	0.00	0.07	0.219	O	|	|	|	0.15
190.333	0.00	0.07	0.218	O	|	|	|	0.15
190.417	0.00	0.07	0.218	O	|	|	|	0.15
190.500	0.00	0.07	0.217	O	|	|	|	0.15
190.583	0.00	0.07	0.217	O	|	|	|	0.15
190.667	0.00	0.07	0.216	O	|	|	|	0.15
190.750	0.00	0.07	0.216	O	|	|	|	0.15
190.833	0.00	0.07	0.216	O	|	|	|	0.15
190.917	0.00	0.07	0.215	O	|	|	|	0.15
191.000	0.00	0.07	0.215	O	|	|	|	0.15
191.083	0.00	0.07	0.214	O	|	|	|	0.15
191.167	0.00	0.07	0.214	O	|	|	|	0.15
191.250	0.00	0.07	0.213	O	|	|	|	0.15
191.333	0.00	0.07	0.213	O	|	|	|	0.15
191.417	0.00	0.07	0.212	O	|	|	|	0.15
191.500	0.00	0.07	0.212	O	|	|	|	0.15
191.583	0.00	0.07	0.211	O	|	|	|	0.15
191.667	0.00	0.07	0.211	O	|	|	|	0.15
191.750	0.00	0.07	0.210	O	|	|	|	0.15
191.833	0.00	0.07	0.210	O	|	|	|	0.14
191.917	0.00	0.07	0.209	O	|	|	|	0.14
192.000	0.00	0.07	0.209	O	|	|	|	0.14
192.083	0.00	0.07	0.208	O	|	|	|	0.14
192.167	0.00	0.07	0.208	O	|	|	|	0.14
192.250	0.00	0.07	0.208	O	|	|	|	0.14
192.333	0.00	0.07	0.207	O	|	|	|	0.14
192.417	0.00	0.07	0.207	O	|	|	|	0.14
192.500	0.00	0.07	0.206	O	|	|	|	0.14
192.583	0.00	0.07	0.206	O	|	|	|	0.14
192.667	0.00	0.07	0.205	O	|	|	|	0.14
192.750	0.00	0.07	0.205	O	|	|	|	0.14
192.833	0.00	0.07	0.204	O	|	|	|	0.14
192.917	0.00	0.07	0.204	O	|	|	|	0.14
193.000	0.00	0.07	0.203	O	|	|	|	0.14
193.083	0.00	0.07	0.203	O	|	|	|	0.14
193.167	0.00	0.07	0.202	O	|	|	|	0.14
193.250	0.00	0.07	0.202	O	|	|	|	0.14
193.333	0.00	0.07	0.202	O	|	|	|	0.14
193.417	0.00	0.07	0.201	O	|	|	|	0.14
193.500	0.00	0.07	0.201	O	|	|	|	0.14
193.583	0.00	0.06	0.200	O	|	|	|	0.14
193.667	0.00	0.06	0.200	O	|	|	|	0.14
193.750	0.00	0.06	0.199	O	|	|	|	0.14
193.833	0.00	0.06	0.199	O	|	|	|	0.14
193.917	0.00	0.06	0.198	O	|	|	|	0.14
194.000	0.00	0.06	0.198	O	|	|	|	0.14
194.083	0.00	0.06	0.198	O	|	|	|	0.14
194.167	0.00	0.06	0.197	O	|	|	|	0.14
194.250	0.00	0.06	0.197	O	|	|	|	0.14
194.333	0.00	0.06	0.196	O	|	|	|	0.14
194.417	0.00	0.06	0.196	O	|	|	|	0.14
194.500	0.00	0.06	0.195	O	|	|	|	0.13
194.583	0.00	0.06	0.195	O	|	|	|	0.13
194.667	0.00	0.06	0.194	O	|	|	|	0.13
194.750	0.00	0.06	0.194	O	|	|	|	0.13
194.833	0.00	0.06	0.194	O	|	|	|	0.13
194.917	0.00	0.06	0.193	O	|	|	|	0.13
195.000	0.00	0.06	0.193	O	|	|	|	0.13
195.083	0.00	0.06	0.192	O	|	|	|	0.13
195.167	0.00	0.06	0.192	O	|	|	|	0.13
195.250	0.00	0.06	0.191	O	|	|	|	0.13
195.333	0.00	0.06	0.191	O	|	|	|	0.13
195.417	0.00	0.06	0.191	O	|	|	|	0.13
195.500	0.00	0.06	0.190	O	|	|	|	0.13

195.583	0.00	0.06	0.190	O					0.13
195.667	0.00	0.06	0.189	O					0.13
195.750	0.00	0.06	0.189	O					0.13
195.833	0.00	0.06	0.189	O					0.13
195.917	0.00	0.06	0.188	O					0.13
196.000	0.00	0.06	0.188	O					0.13
196.083	0.00	0.06	0.187	O					0.13
196.167	0.00	0.06	0.187	O					0.13
196.250	0.00	0.06	0.186	O					0.13
196.333	0.00	0.06	0.186	O					0.13
196.417	0.00	0.06	0.186	O					0.13
196.500	0.00	0.06	0.185	O					0.13
196.583	0.00	0.06	0.185	O					0.13
196.667	0.00	0.06	0.184	O					0.13
196.750	0.00	0.06	0.184	O					0.13
196.833	0.00	0.06	0.184	O					0.13
196.917	0.00	0.06	0.183	O					0.13
197.000	0.00	0.06	0.183	O					0.13
197.083	0.00	0.06	0.182	O					0.13
197.167	0.00	0.06	0.182	O					0.13
197.250	0.00	0.06	0.181	O					0.13
197.333	0.00	0.06	0.181	O					0.12
197.417	0.00	0.06	0.181	O					0.12
197.500	0.00	0.06	0.180	O					0.12
197.583	0.00	0.06	0.180	O					0.12
197.667	0.00	0.06	0.179	O					0.12
197.750	0.00	0.06	0.179	O					0.12
197.833	0.00	0.06	0.179	O					0.12
197.917	0.00	0.06	0.178	O					0.12
198.000	0.00	0.06	0.178	O					0.12
198.083	0.00	0.06	0.177	O					0.12
198.167	0.00	0.06	0.177	O					0.12
198.250	0.00	0.06	0.177	O					0.12
198.333	0.00	0.06	0.176	O					0.12
198.417	0.00	0.06	0.176	O					0.12
198.500	0.00	0.06	0.176	O					0.12
198.583	0.00	0.06	0.175	O					0.12
198.667	0.00	0.06	0.175	O					0.12
198.750	0.00	0.06	0.174	O					0.12
198.833	0.00	0.06	0.174	O					0.12
198.917	0.00	0.06	0.174	O					0.12
199.000	0.00	0.06	0.173	O					0.12
199.083	0.00	0.06	0.173	O					0.12
199.167	0.00	0.06	0.172	O					0.12
199.250	0.00	0.06	0.172	O					0.12
199.333	0.00	0.06	0.172	O					0.12
199.417	0.00	0.06	0.171	O					0.12
199.500	0.00	0.06	0.171	O					0.12
199.583	0.00	0.06	0.170	O					0.12
199.667	0.00	0.06	0.170	O					0.12
199.750	0.00	0.06	0.170	O					0.12
199.833	0.00	0.05	0.169	O					0.12
199.917	0.00	0.05	0.169	O					0.12
200.000	0.00	0.05	0.169	O					0.12
200.083	0.00	0.05	0.168	O					0.12
200.167	0.00	0.05	0.168	O					0.12
200.250	0.00	0.05	0.167	O					0.12
200.333	0.00	0.05	0.167	O					0.12
200.417	0.00	0.05	0.167	O					0.11
200.500	0.00	0.05	0.166	O					0.11
200.583	0.00	0.05	0.166	O					0.11
200.667	0.00	0.05	0.166	O					0.11
200.750	0.00	0.05	0.165	O					0.11
200.833	0.00	0.05	0.165	O					0.11
200.917	0.00	0.05	0.165	O					0.11
201.000	0.00	0.05	0.164	O					0.11
201.083	0.00	0.05	0.164	O					0.11

201.167	0.00	0.05	0.163	O	|	|	|	|	0.11
201.250	0.00	0.05	0.163	O	|	|	|	|	0.11
201.333	0.00	0.05	0.163	O	|	|	|	|	0.11
201.417	0.00	0.05	0.162	O	|	|	|	|	0.11
201.500	0.00	0.05	0.162	O	|	|	|	|	0.11
201.583	0.00	0.05	0.162	O	|	|	|	|	0.11
201.667	0.00	0.05	0.161	O	|	|	|	|	0.11
201.750	0.00	0.05	0.161	O	|	|	|	|	0.11
201.833	0.00	0.05	0.161	O	|	|	|	|	0.11
201.917	0.00	0.05	0.160	O	|	|	|	|	0.11
202.000	0.00	0.05	0.160	O	|	|	|	|	0.11
202.083	0.00	0.05	0.159	O	|	|	|	|	0.11
202.167	0.00	0.05	0.159	O	|	|	|	|	0.11
202.250	0.00	0.05	0.159	O	|	|	|	|	0.11
202.333	0.00	0.05	0.158	O	|	|	|	|	0.11
202.417	0.00	0.05	0.158	O	|	|	|	|	0.11
202.500	0.00	0.05	0.158	O	|	|	|	|	0.11
202.583	0.00	0.05	0.157	O	|	|	|	|	0.11
202.667	0.00	0.05	0.157	O	|	|	|	|	0.11
202.750	0.00	0.05	0.157	O	|	|	|	|	0.11
202.833	0.00	0.05	0.156	O	|	|	|	|	0.11
202.917	0.00	0.05	0.156	O	|	|	|	|	0.11
203.000	0.00	0.05	0.156	O	|	|	|	|	0.11
203.083	0.00	0.05	0.155	O	|	|	|	|	0.11
203.167	0.00	0.05	0.155	O	|	|	|	|	0.11
203.250	0.00	0.05	0.155	O	|	|	|	|	0.11
203.333	0.00	0.05	0.154	O	|	|	|	|	0.11
203.417	0.00	0.05	0.154	O	|	|	|	|	0.11
203.500	0.00	0.05	0.154	O	|	|	|	|	0.11
203.583	0.00	0.05	0.153	O	|	|	|	|	0.11
203.667	0.00	0.05	0.153	O	|	|	|	|	0.11
203.750	0.00	0.05	0.152	O	|	|	|	|	0.11
203.833	0.00	0.05	0.152	O	|	|	|	|	0.10
203.917	0.00	0.05	0.152	O	|	|	|	|	0.10
204.000	0.00	0.05	0.151	O	|	|	|	|	0.10
204.083	0.00	0.05	0.151	O	|	|	|	|	0.10
204.167	0.00	0.05	0.151	O	|	|	|	|	0.10
204.250	0.00	0.05	0.150	O	|	|	|	|	0.10
204.333	0.00	0.05	0.150	O	|	|	|	|	0.10
204.417	0.00	0.05	0.150	O	|	|	|	|	0.10
204.500	0.00	0.05	0.149	O	|	|	|	|	0.10
204.583	0.00	0.05	0.149	O	|	|	|	|	0.10
204.667	0.00	0.05	0.149	O	|	|	|	|	0.10
204.750	0.00	0.05	0.148	O	|	|	|	|	0.10
204.833	0.00	0.05	0.148	O	|	|	|	|	0.10
204.917	0.00	0.05	0.148	O	|	|	|	|	0.10
205.000	0.00	0.05	0.147	O	|	|	|	|	0.10
205.083	0.00	0.05	0.147	O	|	|	|	|	0.10
205.167	0.00	0.05	0.147	O	|	|	|	|	0.10
205.250	0.00	0.05	0.146	O	|	|	|	|	0.10
205.333	0.00	0.05	0.146	O	|	|	|	|	0.10
205.417	0.00	0.05	0.146	O	|	|	|	|	0.10
205.500	0.00	0.05	0.146	O	|	|	|	|	0.10
205.583	0.00	0.05	0.145	O	|	|	|	|	0.10
205.667	0.00	0.05	0.145	O	|	|	|	|	0.10
205.750	0.00	0.05	0.145	O	|	|	|	|	0.10
205.833	0.00	0.05	0.144	O	|	|	|	|	0.10
205.917	0.00	0.05	0.144	O	|	|	|	|	0.10
206.000	0.00	0.05	0.144	O	|	|	|	|	0.10
206.083	0.00	0.05	0.143	O	|	|	|	|	0.10
206.167	0.00	0.05	0.143	O	|	|	|	|	0.10
206.250	0.00	0.05	0.143	O	|	|	|	|	0.10
206.333	0.00	0.05	0.142	O	|	|	|	|	0.10
206.417	0.00	0.05	0.142	O	|	|	|	|	0.10
206.500	0.00	0.05	0.142	O	|	|	|	|	0.10
206.583	0.00	0.05	0.141	O	|	|	|	|	0.10
206.667	0.00	0.05	0.141	O	|	|	|	|	0.10

206.750	0.00	0.05	0.141	O	|	|	|	0.10
206.833	0.00	0.05	0.140	O	|	|	|	0.10
206.917	0.00	0.05	0.140	O	|	|	|	0.10
207.000	0.00	0.05	0.140	O	|	|	|	0.10
207.083	0.00	0.05	0.139	O	|	|	|	0.10
207.167	0.00	0.05	0.139	O	|	|	|	0.10
207.250	0.00	0.05	0.139	O	|	|	|	0.10
207.333	0.00	0.04	0.139	O	|	|	|	0.10
207.417	0.00	0.04	0.138	O	|	|	|	0.10
207.500	0.00	0.04	0.138	O	|	|	|	0.10
207.583	0.00	0.04	0.138	O	|	|	|	0.09
207.667	0.00	0.04	0.137	O	|	|	|	0.09
207.750	0.00	0.04	0.137	O	|	|	|	0.09
207.833	0.00	0.04	0.137	O	|	|	|	0.09
207.917	0.00	0.04	0.136	O	|	|	|	0.09
208.000	0.00	0.04	0.136	O	|	|	|	0.09
208.083	0.00	0.04	0.136	O	|	|	|	0.09
208.167	0.00	0.04	0.135	O	|	|	|	0.09
208.250	0.00	0.04	0.135	O	|	|	|	0.09
208.333	0.00	0.04	0.135	O	|	|	|	0.09
208.417	0.00	0.04	0.135	O	|	|	|	0.09
208.500	0.00	0.04	0.134	O	|	|	|	0.09
208.583	0.00	0.04	0.134	O	|	|	|	0.09
208.667	0.00	0.04	0.134	O	|	|	|	0.09
208.750	0.00	0.04	0.133	O	|	|	|	0.09
208.833	0.00	0.04	0.133	O	|	|	|	0.09
208.917	0.00	0.04	0.133	O	|	|	|	0.09
209.000	0.00	0.04	0.132	O	|	|	|	0.09
209.083	0.00	0.04	0.132	O	|	|	|	0.09
209.167	0.00	0.04	0.132	O	|	|	|	0.09
209.250	0.00	0.04	0.132	O	|	|	|	0.09
209.333	0.00	0.04	0.131	O	|	|	|	0.09
209.417	0.00	0.04	0.131	O	|	|	|	0.09
209.500	0.00	0.04	0.131	O	|	|	|	0.09
209.583	0.00	0.04	0.130	O	|	|	|	0.09
209.667	0.00	0.04	0.130	O	|	|	|	0.09
209.750	0.00	0.04	0.130	O	|	|	|	0.09
209.833	0.00	0.04	0.130	O	|	|	|	0.09
209.917	0.00	0.04	0.129	O	|	|	|	0.09
210.000	0.00	0.04	0.129	O	|	|	|	0.09
210.083	0.00	0.04	0.129	O	|	|	|	0.09
210.167	0.00	0.04	0.128	O	|	|	|	0.09
210.250	0.00	0.04	0.128	O	|	|	|	0.09
210.333	0.00	0.04	0.128	O	|	|	|	0.09
210.417	0.00	0.04	0.128	O	|	|	|	0.09
210.500	0.00	0.04	0.127	O	|	|	|	0.09
210.583	0.00	0.04	0.127	O	|	|	|	0.09
210.667	0.00	0.04	0.127	O	|	|	|	0.09
210.750	0.00	0.04	0.126	O	|	|	|	0.09
210.833	0.00	0.04	0.126	O	|	|	|	0.09
210.917	0.00	0.04	0.126	O	|	|	|	0.09
211.000	0.00	0.04	0.126	O	|	|	|	0.09
211.083	0.00	0.04	0.125	O	|	|	|	0.09
211.167	0.00	0.04	0.125	O	|	|	|	0.09
211.250	0.00	0.04	0.125	O	|	|	|	0.09
211.333	0.00	0.04	0.124	O	|	|	|	0.09
211.417	0.00	0.04	0.124	O	|	|	|	0.09
211.500	0.00	0.04	0.124	O	|	|	|	0.09
211.583	0.00	0.04	0.124	O	|	|	|	0.09
211.667	0.00	0.04	0.123	O	|	|	|	0.09
211.750	0.00	0.04	0.123	O	|	|	|	0.08
211.833	0.00	0.04	0.123	O	|	|	|	0.08
211.917	0.00	0.04	0.123	O	|	|	|	0.08
212.000	0.00	0.04	0.122	O	|	|	|	0.08
212.083	0.00	0.04	0.122	O	|	|	|	0.08
212.167	0.00	0.04	0.122	O	|	|	|	0.08
212.250	0.00	0.04	0.121	O	|	|	|	0.08

212.333	0.00	0.04	0.121	O	|	|	|	0.08
212.417	0.00	0.04	0.121	O	|	|	|	0.08
212.500	0.00	0.04	0.121	O	|	|	|	0.08
212.583	0.00	0.04	0.120	O	|	|	|	0.08
212.667	0.00	0.04	0.120	O	|	|	|	0.08
212.750	0.00	0.04	0.120	O	|	|	|	0.08
212.833	0.00	0.04	0.120	O	|	|	|	0.08
212.917	0.00	0.04	0.119	O	|	|	|	0.08
213.000	0.00	0.04	0.119	O	|	|	|	0.08
213.083	0.00	0.04	0.119	O	|	|	|	0.08
213.167	0.00	0.04	0.118	O	|	|	|	0.08
213.250	0.00	0.04	0.118	O	|	|	|	0.08
213.333	0.00	0.04	0.118	O	|	|	|	0.08
213.417	0.00	0.04	0.118	O	|	|	|	0.08
213.500	0.00	0.04	0.117	O	|	|	|	0.08
213.583	0.00	0.04	0.117	O	|	|	|	0.08
213.667	0.00	0.04	0.117	O	|	|	|	0.08
213.750	0.00	0.04	0.117	O	|	|	|	0.08
213.833	0.00	0.04	0.116	O	|	|	|	0.08
213.917	0.00	0.04	0.116	O	|	|	|	0.08
214.000	0.00	0.04	0.116	O	|	|	|	0.08
214.083	0.00	0.04	0.116	O	|	|	|	0.08
214.167	0.00	0.04	0.115	O	|	|	|	0.08
214.250	0.00	0.04	0.115	O	|	|	|	0.08
214.333	0.00	0.04	0.115	O	|	|	|	0.08
214.417	0.00	0.04	0.115	O	|	|	|	0.08
214.500	0.00	0.04	0.114	O	|	|	|	0.08
214.583	0.00	0.04	0.114	O	|	|	|	0.08
214.667	0.00	0.04	0.114	O	|	|	|	0.08
214.750	0.00	0.04	0.114	O	|	|	|	0.08
214.833	0.00	0.04	0.113	O	|	|	|	0.08
214.917	0.00	0.04	0.113	O	|	|	|	0.08
215.000	0.00	0.04	0.113	O	|	|	|	0.08
215.083	0.00	0.04	0.113	O	|	|	|	0.08
215.167	0.00	0.04	0.112	O	|	|	|	0.08
215.250	0.00	0.04	0.112	O	|	|	|	0.08
215.333	0.00	0.04	0.112	O	|	|	|	0.08
215.417	0.00	0.04	0.112	O	|	|	|	0.08
215.500	0.00	0.04	0.111	O	|	|	|	0.08
215.583	0.00	0.04	0.111	O	|	|	|	0.08
215.667	0.00	0.04	0.111	O	|	|	|	0.08
215.750	0.00	0.04	0.111	O	|	|	|	0.08
215.833	0.00	0.04	0.110	O	|	|	|	0.08
215.917	0.00	0.04	0.110	O	|	|	|	0.08
216.000	0.00	0.04	0.110	O	|	|	|	0.08
216.083	0.00	0.04	0.110	O	|	|	|	0.08
216.167	0.00	0.04	0.109	O	|	|	|	0.08
216.250	0.00	0.04	0.109	O	|	|	|	0.08
216.333	0.00	0.04	0.109	O	|	|	|	0.08
216.417	0.00	0.04	0.109	O	|	|	|	0.07
216.500	0.00	0.04	0.108	O	|	|	|	0.07
216.583	0.00	0.04	0.108	O	|	|	|	0.07
216.667	0.00	0.03	0.108	O	|	|	|	0.07
216.750	0.00	0.03	0.108	O	|	|	|	0.07
216.833	0.00	0.03	0.107	O	|	|	|	0.07
216.917	0.00	0.03	0.107	O	|	|	|	0.07
217.000	0.00	0.03	0.107	O	|	|	|	0.07
217.083	0.00	0.03	0.107	O	|	|	|	0.07
217.167	0.00	0.03	0.106	O	|	|	|	0.07
217.250	0.00	0.03	0.106	O	|	|	|	0.07
217.333	0.00	0.03	0.106	O	|	|	|	0.07
217.417	0.00	0.03	0.106	O	|	|	|	0.07
217.500	0.00	0.03	0.106	O	|	|	|	0.07
217.583	0.00	0.03	0.105	O	|	|	|	0.07
217.667	0.00	0.03	0.105	O	|	|	|	0.07
217.750	0.00	0.03	0.105	O	|	|	|	0.07
217.833	0.00	0.03	0.105	O	|	|	|	0.07

217.917	0.00	0.03	0.104	O	|	|	|	|	0.07
218.000	0.00	0.03	0.104	O	|	|	|	|	0.07
218.083	0.00	0.03	0.104	O	|	|	|	|	0.07
218.167	0.00	0.03	0.104	O	|	|	|	|	0.07
218.250	0.00	0.03	0.103	O	|	|	|	|	0.07
218.333	0.00	0.03	0.103	O	|	|	|	|	0.07
218.417	0.00	0.03	0.103	O	|	|	|	|	0.07
218.500	0.00	0.03	0.103	O	|	|	|	|	0.07
218.583	0.00	0.03	0.102	O	|	|	|	|	0.07
218.667	0.00	0.03	0.102	O	|	|	|	|	0.07
218.750	0.00	0.03	0.102	O	|	|	|	|	0.07
218.833	0.00	0.03	0.102	O	|	|	|	|	0.07
218.917	0.00	0.03	0.102	O	|	|	|	|	0.07
219.000	0.00	0.03	0.101	O	|	|	|	|	0.07
219.083	0.00	0.03	0.101	O	|	|	|	|	0.07
219.167	0.00	0.03	0.101	O	|	|	|	|	0.07
219.250	0.00	0.03	0.101	O	|	|	|	|	0.07
219.333	0.00	0.03	0.100	O	|	|	|	|	0.07
219.417	0.00	0.03	0.100	O	|	|	|	|	0.07
219.500	0.00	0.03	0.100	O	|	|	|	|	0.07
219.583	0.00	0.03	0.100	O	|	|	|	|	0.07
219.667	0.00	0.03	0.100	O	|	|	|	|	0.07
219.750	0.00	0.03	0.099	O	|	|	|	|	0.07
219.833	0.00	0.03	0.099	O	|	|	|	|	0.07
219.917	0.00	0.03	0.099	O	|	|	|	|	0.07
220.000	0.00	0.03	0.099	O	|	|	|	|	0.07
220.083	0.00	0.03	0.098	O	|	|	|	|	0.07
220.167	0.00	0.03	0.098	O	|	|	|	|	0.07
220.250	0.00	0.03	0.098	O	|	|	|	|	0.07
220.333	0.00	0.03	0.098	O	|	|	|	|	0.07
220.417	0.00	0.03	0.098	O	|	|	|	|	0.07
220.500	0.00	0.03	0.097	O	|	|	|	|	0.07
220.583	0.00	0.03	0.097	O	|	|	|	|	0.07
220.667	0.00	0.03	0.097	O	|	|	|	|	0.07
220.750	0.00	0.03	0.097	O	|	|	|	|	0.07
220.833	0.00	0.03	0.096	O	|	|	|	|	0.07
220.917	0.00	0.03	0.096	O	|	|	|	|	0.07
221.000	0.00	0.03	0.096	O	|	|	|	|	0.07
221.083	0.00	0.03	0.096	O	|	|	|	|	0.07
221.167	0.00	0.03	0.096	O	|	|	|	|	0.07
221.250	0.00	0.03	0.095	O	|	|	|	|	0.07
221.333	0.00	0.03	0.095	O	|	|	|	|	0.07
221.417	0.00	0.03	0.095	O	|	|	|	|	0.07
221.500	0.00	0.03	0.095	O	|	|	|	|	0.07
221.583	0.00	0.03	0.095	O	|	|	|	|	0.07
221.667	0.00	0.03	0.094	O	|	|	|	|	0.07
221.750	0.00	0.03	0.094	O	|	|	|	|	0.06
221.833	0.00	0.03	0.094	O	|	|	|	|	0.06
221.917	0.00	0.03	0.094	O	|	|	|	|	0.06
222.000	0.00	0.03	0.094	O	|	|	|	|	0.06
222.083	0.00	0.03	0.093	O	|	|	|	|	0.06
222.167	0.00	0.03	0.093	O	|	|	|	|	0.06
222.250	0.00	0.03	0.093	O	|	|	|	|	0.06
222.333	0.00	0.03	0.093	O	|	|	|	|	0.06
222.417	0.00	0.03	0.092	O	|	|	|	|	0.06
222.500	0.00	0.03	0.092	O	|	|	|	|	0.06
222.583	0.00	0.03	0.092	O	|	|	|	|	0.06
222.667	0.00	0.03	0.092	O	|	|	|	|	0.06
222.750	0.00	0.03	0.092	O	|	|	|	|	0.06
222.833	0.00	0.03	0.091	O	|	|	|	|	0.06
222.917	0.00	0.03	0.091	O	|	|	|	|	0.06
223.000	0.00	0.03	0.091	O	|	|	|	|	0.06
223.083	0.00	0.03	0.091	O	|	|	|	|	0.06
223.167	0.00	0.03	0.091	O	|	|	|	|	0.06
223.250	0.00	0.03	0.090	O	|	|	|	|	0.06
223.333	0.00	0.03	0.090	O	|	|	|	|	0.06
223.417	0.00	0.03	0.090	O	|	|	|	|	0.06

223.500	0.00	0.03	0.090	O	|	|	|	0.06
223.583	0.00	0.03	0.090	O	|	|	|	0.06
223.667	0.00	0.03	0.089	O	|	|	|	0.06
223.750	0.00	0.03	0.089	O	|	|	|	0.06
223.833	0.00	0.03	0.089	O	|	|	|	0.06
223.917	0.00	0.03	0.089	O	|	|	|	0.06
224.000	0.00	0.03	0.089	O	|	|	|	0.06
224.083	0.00	0.03	0.088	O	|	|	|	0.06
224.167	0.00	0.03	0.088	O	|	|	|	0.06
224.250	0.00	0.03	0.088	O	|	|	|	0.06
224.333	0.00	0.03	0.088	O	|	|	|	0.06
224.417	0.00	0.03	0.088	O	|	|	|	0.06
224.500	0.00	0.03	0.087	O	|	|	|	0.06
224.583	0.00	0.03	0.087	O	|	|	|	0.06
224.667	0.00	0.03	0.087	O	|	|	|	0.06
224.750	0.00	0.03	0.087	O	|	|	|	0.06
224.833	0.00	0.03	0.087	O	|	|	|	0.06
224.917	0.00	0.03	0.086	O	|	|	|	0.06
225.000	0.00	0.03	0.086	O	|	|	|	0.06
225.083	0.00	0.03	0.086	O	|	|	|	0.06
225.167	0.00	0.03	0.086	O	|	|	|	0.06
225.250	0.00	0.03	0.086	O	|	|	|	0.06
225.333	0.00	0.03	0.086	O	|	|	|	0.06
225.417	0.00	0.03	0.085	O	|	|	|	0.06
225.500	0.00	0.03	0.085	O	|	|	|	0.06
225.583	0.00	0.03	0.085	O	|	|	|	0.06
225.667	0.00	0.03	0.085	O	|	|	|	0.06
225.750	0.00	0.03	0.085	O	|	|	|	0.06
225.833	0.00	0.03	0.084	O	|	|	|	0.06
225.917	0.00	0.03	0.084	O	|	|	|	0.06
226.000	0.00	0.03	0.084	O	|	|	|	0.06
226.083	0.00	0.03	0.084	O	|	|	|	0.06
226.167	0.00	0.03	0.084	O	|	|	|	0.06
226.250	0.00	0.03	0.083	O	|	|	|	0.06
226.333	0.00	0.03	0.083	O	|	|	|	0.06
226.417	0.00	0.03	0.083	O	|	|	|	0.06
226.500	0.00	0.03	0.083	O	|	|	|	0.06
226.583	0.00	0.03	0.083	O	|	|	|	0.06
226.667	0.00	0.03	0.083	O	|	|	|	0.06
226.750	0.00	0.03	0.082	O	|	|	|	0.06
226.833	0.00	0.03	0.082	O	|	|	|	0.06
226.917	0.00	0.03	0.082	O	|	|	|	0.06
227.000	0.00	0.03	0.082	O	|	|	|	0.06
227.083	0.00	0.03	0.082	O	|	|	|	0.06
227.167	0.00	0.03	0.081	O	|	|	|	0.06
227.250	0.00	0.03	0.081	O	|	|	|	0.06
227.333	0.00	0.03	0.081	O	|	|	|	0.06
227.417	0.00	0.03	0.081	O	|	|	|	0.06
227.500	0.00	0.03	0.081	O	|	|	|	0.06
227.583	0.00	0.03	0.081	O	|	|	|	0.06
227.667	0.00	0.03	0.080	O	|	|	|	0.06
227.750	0.00	0.03	0.080	O	|	|	|	0.06
227.833	0.00	0.03	0.080	O	|	|	|	0.06
227.917	0.00	0.03	0.080	O	|	|	|	0.06
228.000	0.00	0.03	0.080	O	|	|	|	0.05
228.083	0.00	0.03	0.079	O	|	|	|	0.05
228.167	0.00	0.03	0.079	O	|	|	|	0.05
228.250	0.00	0.03	0.079	O	|	|	|	0.05
228.333	0.00	0.03	0.079	O	|	|	|	0.05
228.417	0.00	0.03	0.079	O	|	|	|	0.05
228.500	0.00	0.03	0.079	O	|	|	|	0.05
228.583	0.00	0.03	0.078	O	|	|	|	0.05
228.667	0.00	0.03	0.078	O	|	|	|	0.05
228.750	0.00	0.03	0.078	O	|	|	|	0.05
228.833	0.00	0.03	0.078	O	|	|	|	0.05
228.917	0.00	0.03	0.078	O	|	|	|	0.05
229.000	0.00	0.03	0.078	O	|	|	|	0.05

229.083	0.00	0.03	0.077	O	|	|	|	|	0.05
229.167	0.00	0.03	0.077	O	|	|	|	|	0.05
229.250	0.00	0.02	0.077	O	|	|	|	|	0.05
229.333	0.00	0.02	0.077	O	|	|	|	|	0.05
229.417	0.00	0.02	0.077	O	|	|	|	|	0.05
229.500	0.00	0.02	0.077	O	|	|	|	|	0.05
229.583	0.00	0.02	0.076	O	|	|	|	|	0.05
229.667	0.00	0.02	0.076	O	|	|	|	|	0.05
229.750	0.00	0.02	0.076	O	|	|	|	|	0.05
229.833	0.00	0.02	0.076	O	|	|	|	|	0.05
229.917	0.00	0.02	0.076	O	|	|	|	|	0.05
230.000	0.00	0.02	0.075	O	|	|	|	|	0.05
230.083	0.00	0.02	0.075	O	|	|	|	|	0.05
230.167	0.00	0.02	0.075	O	|	|	|	|	0.05
230.250	0.00	0.02	0.075	O	|	|	|	|	0.05
230.333	0.00	0.02	0.075	O	|	|	|	|	0.05
230.417	0.00	0.02	0.075	O	|	|	|	|	0.05
230.500	0.00	0.02	0.074	O	|	|	|	|	0.05
230.583	0.00	0.02	0.074	O	|	|	|	|	0.05
230.667	0.00	0.02	0.074	O	|	|	|	|	0.05
230.750	0.00	0.02	0.074	O	|	|	|	|	0.05
230.833	0.00	0.02	0.074	O	|	|	|	|	0.05
230.917	0.00	0.02	0.074	O	|	|	|	|	0.05
231.000	0.00	0.02	0.073	O	|	|	|	|	0.05
231.083	0.00	0.02	0.073	O	|	|	|	|	0.05
231.167	0.00	0.02	0.073	O	|	|	|	|	0.05
231.250	0.00	0.02	0.073	O	|	|	|	|	0.05
231.333	0.00	0.02	0.073	O	|	|	|	|	0.05
231.417	0.00	0.02	0.073	O	|	|	|	|	0.05
231.500	0.00	0.02	0.073	O	|	|	|	|	0.05
231.583	0.00	0.02	0.072	O	|	|	|	|	0.05
231.667	0.00	0.02	0.072	O	|	|	|	|	0.05
231.750	0.00	0.02	0.072	O	|	|	|	|	0.05
231.833	0.00	0.02	0.072	O	|	|	|	|	0.05
231.917	0.00	0.02	0.072	O	|	|	|	|	0.05
232.000	0.00	0.02	0.072	O	|	|	|	|	0.05
232.083	0.00	0.02	0.071	O	|	|	|	|	0.05
232.167	0.00	0.02	0.071	O	|	|	|	|	0.05
232.250	0.00	0.02	0.071	O	|	|	|	|	0.05
232.333	0.00	0.02	0.071	O	|	|	|	|	0.05
232.417	0.00	0.02	0.071	O	|	|	|	|	0.05
232.500	0.00	0.02	0.071	O	|	|	|	|	0.05
232.583	0.00	0.02	0.070	O	|	|	|	|	0.05
232.667	0.00	0.02	0.070	O	|	|	|	|	0.05
232.750	0.00	0.02	0.070	O	|	|	|	|	0.05
232.833	0.00	0.02	0.070	O	|	|	|	|	0.05
232.917	0.00	0.02	0.070	O	|	|	|	|	0.05
233.000	0.00	0.02	0.070	O	|	|	|	|	0.05
233.083	0.00	0.02	0.069	O	|	|	|	|	0.05
233.167	0.00	0.02	0.069	O	|	|	|	|	0.05
233.250	0.00	0.02	0.069	O	|	|	|	|	0.05
233.333	0.00	0.02	0.069	O	|	|	|	|	0.05
233.417	0.00	0.02	0.069	O	|	|	|	|	0.05
233.500	0.00	0.02	0.069	O	|	|	|	|	0.05
233.583	0.00	0.02	0.069	O	|	|	|	|	0.05
233.667	0.00	0.02	0.068	O	|	|	|	|	0.05
233.750	0.00	0.02	0.068	O	|	|	|	|	0.05
233.833	0.00	0.02	0.068	O	|	|	|	|	0.05
233.917	0.00	0.02	0.068	O	|	|	|	|	0.05
234.000	0.00	0.02	0.068	O	|	|	|	|	0.05
234.083	0.00	0.02	0.068	O	|	|	|	|	0.05
234.167	0.00	0.02	0.068	O	|	|	|	|	0.05
234.250	0.00	0.02	0.067	O	|	|	|	|	0.05
234.333	0.00	0.02	0.067	O	|	|	|	|	0.05
234.417	0.00	0.02	0.067	O	|	|	|	|	0.05
234.500	0.00	0.02	0.067	O	|	|	|	|	0.05
234.583	0.00	0.02	0.067	O	|	|	|	|	0.05

234.667	0.00	0.02	0.067	O	|	|	|	0.05
234.750	0.00	0.02	0.066	O	|	|	|	0.05
234.833	0.00	0.02	0.066	O	|	|	|	0.05
234.917	0.00	0.02	0.066	O	|	|	|	0.05
235.000	0.00	0.02	0.066	O	|	|	|	0.05
235.083	0.00	0.02	0.066	O	|	|	|	0.05
235.167	0.00	0.02	0.066	O	|	|	|	0.05
235.250	0.00	0.02	0.066	O	|	|	|	0.05
235.333	0.00	0.02	0.065	O	|	|	|	0.05
235.417	0.00	0.02	0.065	O	|	|	|	0.05
235.500	0.00	0.02	0.065	O	|	|	|	0.04
235.583	0.00	0.02	0.065	O	|	|	|	0.04
235.667	0.00	0.02	0.065	O	|	|	|	0.04
235.750	0.00	0.02	0.065	O	|	|	|	0.04
235.833	0.00	0.02	0.065	O	|	|	|	0.04
235.917	0.00	0.02	0.064	O	|	|	|	0.04
236.000	0.00	0.02	0.064	O	|	|	|	0.04
236.083	0.00	0.02	0.064	O	|	|	|	0.04
236.167	0.00	0.02	0.064	O	|	|	|	0.04
236.250	0.00	0.02	0.064	O	|	|	|	0.04
236.333	0.00	0.02	0.064	O	|	|	|	0.04
236.417	0.00	0.02	0.064	O	|	|	|	0.04
236.500	0.00	0.02	0.063	O	|	|	|	0.04
236.583	0.00	0.02	0.063	O	|	|	|	0.04
236.667	0.00	0.02	0.063	O	|	|	|	0.04
236.750	0.00	0.02	0.063	O	|	|	|	0.04
236.833	0.00	0.02	0.063	O	|	|	|	0.04
236.917	0.00	0.02	0.063	O	|	|	|	0.04
237.000	0.00	0.02	0.063	O	|	|	|	0.04
237.083	0.00	0.02	0.062	O	|	|	|	0.04
237.167	0.00	0.02	0.062	O	|	|	|	0.04
237.250	0.00	0.02	0.062	O	|	|	|	0.04
237.333	0.00	0.02	0.062	O	|	|	|	0.04
237.417	0.00	0.02	0.062	O	|	|	|	0.04
237.500	0.00	0.02	0.062	O	|	|	|	0.04
237.583	0.00	0.02	0.062	O	|	|	|	0.04
237.667	0.00	0.02	0.061	O	|	|	|	0.04
237.750	0.00	0.02	0.061	O	|	|	|	0.04
237.833	0.00	0.02	0.061	O	|	|	|	0.04
237.917	0.00	0.02	0.061	O	|	|	|	0.04
238.000	0.00	0.02	0.061	O	|	|	|	0.04
238.083	0.00	0.02	0.061	O	|	|	|	0.04
238.167	0.00	0.02	0.061	O	|	|	|	0.04
238.250	0.00	0.02	0.061	O	|	|	|	0.04
238.333	0.00	0.02	0.060	O	|	|	|	0.04
238.417	0.00	0.02	0.060	O	|	|	|	0.04
238.500	0.00	0.02	0.060	O	|	|	|	0.04
238.583	0.00	0.02	0.060	O	|	|	|	0.04
238.667	0.00	0.02	0.060	O	|	|	|	0.04
238.750	0.00	0.02	0.060	O	|	|	|	0.04
238.833	0.00	0.02	0.060	O	|	|	|	0.04
238.917	0.00	0.02	0.059	O	|	|	|	0.04
239.000	0.00	0.02	0.059	O	|	|	|	0.04
239.083	0.00	0.02	0.059	O	|	|	|	0.04
239.167	0.00	0.02	0.059	O	|	|	|	0.04
239.250	0.00	0.02	0.059	O	|	|	|	0.04
239.333	0.00	0.02	0.059	O	|	|	|	0.04
239.417	0.00	0.02	0.059	O	|	|	|	0.04
239.500	0.00	0.02	0.059	O	|	|	|	0.04
239.583	0.00	0.02	0.058	O	|	|	|	0.04
239.667	0.00	0.02	0.058	O	|	|	|	0.04
239.750	0.00	0.02	0.058	O	|	|	|	0.04
239.833	0.00	0.02	0.058	O	|	|	|	0.04
239.917	0.00	0.02	0.058	O	|	|	|	0.04
240.000	0.00	0.02	0.058	O	|	|	|	0.04
240.083	0.00	0.02	0.058	O	|	|	|	0.04
240.167	0.00	0.02	0.057	O	|	|	|	0.04

240.250	0.00	0.02	0.057	O	|	|	|	|	0.04
240.333	0.00	0.02	0.057	O	|	|	|	|	0.04
240.417	0.00	0.02	0.057	O	|	|	|	|	0.04
240.500	0.00	0.02	0.057	O	|	|	|	|	0.04
240.583	0.00	0.02	0.057	O	|	|	|	|	0.04
240.667	0.00	0.02	0.057	O	|	|	|	|	0.04
240.750	0.00	0.02	0.057	O	|	|	|	|	0.04
240.833	0.00	0.02	0.056	O	|	|	|	|	0.04
240.917	0.00	0.02	0.056	O	|	|	|	|	0.04
241.000	0.00	0.02	0.056	O	|	|	|	|	0.04
241.083	0.00	0.02	0.056	O	|	|	|	|	0.04
241.167	0.00	0.02	0.056	O	|	|	|	|	0.04
241.250	0.00	0.02	0.056	O	|	|	|	|	0.04
241.333	0.00	0.02	0.056	O	|	|	|	|	0.04
241.417	0.00	0.02	0.056	O	|	|	|	|	0.04
241.500	0.00	0.02	0.055	O	|	|	|	|	0.04
241.583	0.00	0.02	0.055	O	|	|	|	|	0.04
241.667	0.00	0.02	0.055	O	|	|	|	|	0.04
241.750	0.00	0.02	0.055	O	|	|	|	|	0.04
241.833	0.00	0.02	0.055	O	|	|	|	|	0.04
241.917	0.00	0.02	0.055	O	|	|	|	|	0.04
242.000	0.00	0.02	0.055	O	|	|	|	|	0.04
242.083	0.00	0.02	0.055	O	|	|	|	|	0.04
242.167	0.00	0.02	0.054	O	|	|	|	|	0.04
242.250	0.00	0.02	0.054	O	|	|	|	|	0.04
242.333	0.00	0.02	0.054	O	|	|	|	|	0.04
242.417	0.00	0.02	0.054	O	|	|	|	|	0.04
242.500	0.00	0.02	0.054	O	|	|	|	|	0.04
242.583	0.00	0.02	0.054	O	|	|	|	|	0.04
242.667	0.00	0.02	0.054	O	|	|	|	|	0.04
242.750	0.00	0.02	0.054	O	|	|	|	|	0.04
242.833	0.00	0.02	0.054	O	|	|	|	|	0.04
242.917	0.00	0.02	0.053	O	|	|	|	|	0.04
243.000	0.00	0.02	0.053	O	|	|	|	|	0.04
243.083	0.00	0.02	0.053	O	|	|	|	|	0.04
243.167	0.00	0.02	0.053	O	|	|	|	|	0.04
243.250	0.00	0.02	0.053	O	|	|	|	|	0.04
243.333	0.00	0.02	0.053	O	|	|	|	|	0.04
243.417	0.00	0.02	0.053	O	|	|	|	|	0.04
243.500	0.00	0.02	0.053	O	|	|	|	|	0.04
243.583	0.00	0.02	0.052	O	|	|	|	|	0.04
243.667	0.00	0.02	0.052	O	|	|	|	|	0.04
243.750	0.00	0.02	0.052	O	|	|	|	|	0.04
243.833	0.00	0.02	0.052	O	|	|	|	|	0.04
243.917	0.00	0.02	0.052	O	|	|	|	|	0.04
244.000	0.00	0.02	0.052	O	|	|	|	|	0.04
244.083	0.00	0.02	0.052	O	|	|	|	|	0.04
244.167	0.00	0.02	0.052	O	|	|	|	|	0.04
244.250	0.00	0.02	0.052	O	|	|	|	|	0.04
244.333	0.00	0.02	0.051	O	|	|	|	|	0.04
244.417	0.00	0.02	0.051	O	|	|	|	|	0.04
244.500	0.00	0.02	0.051	O	|	|	|	|	0.04
244.583	0.00	0.02	0.051	O	|	|	|	|	0.04
244.667	0.00	0.02	0.051	O	|	|	|	|	0.04
244.750	0.00	0.02	0.051	O	|	|	|	|	0.04
244.833	0.00	0.02	0.051	O	|	|	|	|	0.03
244.917	0.00	0.02	0.051	O	|	|	|	|	0.03
245.000	0.00	0.02	0.051	O	|	|	|	|	0.03
245.083	0.00	0.02	0.050	O	|	|	|	|	0.03
245.167	0.00	0.02	0.050	O	|	|	|	|	0.03
245.250	0.00	0.02	0.050	O	|	|	|	|	0.03
245.333	0.00	0.02	0.050	O	|	|	|	|	0.03
245.417	0.00	0.02	0.050	O	|	|	|	|	0.03
245.500	0.00	0.02	0.050	O	|	|	|	|	0.03
245.583	0.00	0.02	0.050	O	|	|	|	|	0.03
245.667	0.00	0.02	0.050	O	|	|	|	|	0.03
245.750	0.00	0.02	0.050	O	|	|	|	|	0.03

245.833	0.00	0.02	0.049	O	|	|	|	|	0.03
245.917	0.00	0.02	0.049	O	|	|	|	|	0.03
246.000	0.00	0.02	0.049	O	|	|	|	|	0.03
246.083	0.00	0.02	0.049	O	|	|	|	|	0.03
246.167	0.00	0.02	0.049	O	|	|	|	|	0.03
246.250	0.00	0.02	0.049	O	|	|	|	|	0.03
246.333	0.00	0.02	0.049	O	|	|	|	|	0.03
246.417	0.00	0.02	0.049	O	|	|	|	|	0.03
246.500	0.00	0.02	0.049	O	|	|	|	|	0.03
246.583	0.00	0.02	0.048	O	|	|	|	|	0.03
246.667	0.00	0.02	0.048	O	|	|	|	|	0.03
246.750	0.00	0.02	0.048	O	|	|	|	|	0.03
246.833	0.00	0.02	0.048	O	|	|	|	|	0.03
246.917	0.00	0.02	0.048	O	|	|	|	|	0.03
247.000	0.00	0.02	0.048	O	|	|	|	|	0.03
247.083	0.00	0.02	0.048	O	|	|	|	|	0.03
247.167	0.00	0.02	0.048	O	|	|	|	|	0.03
247.250	0.00	0.02	0.048	O	|	|	|	|	0.03
247.333	0.00	0.02	0.047	O	|	|	|	|	0.03
247.417	0.00	0.02	0.047	O	|	|	|	|	0.03
247.500	0.00	0.02	0.047	O	|	|	|	|	0.03
247.583	0.00	0.02	0.047	O	|	|	|	|	0.03
247.667	0.00	0.02	0.047	O	|	|	|	|	0.03
247.750	0.00	0.02	0.047	O	|	|	|	|	0.03
247.833	0.00	0.02	0.047	O	|	|	|	|	0.03
247.917	0.00	0.02	0.047	O	|	|	|	|	0.03
248.000	0.00	0.02	0.047	O	|	|	|	|	0.03
248.083	0.00	0.02	0.047	O	|	|	|	|	0.03
248.167	0.00	0.02	0.046	O	|	|	|	|	0.03
248.250	0.00	0.02	0.046	O	|	|	|	|	0.03
248.333	0.00	0.01	0.046	O	|	|	|	|	0.03
248.417	0.00	0.01	0.046	O	|	|	|	|	0.03
248.500	0.00	0.01	0.046	O	|	|	|	|	0.03
248.583	0.00	0.01	0.046	O	|	|	|	|	0.03
248.667	0.00	0.01	0.046	O	|	|	|	|	0.03
248.750	0.00	0.01	0.046	O	|	|	|	|	0.03
248.833	0.00	0.01	0.046	O	|	|	|	|	0.03
248.917	0.00	0.01	0.045	O	|	|	|	|	0.03
249.000	0.00	0.01	0.045	O	|	|	|	|	0.03
249.083	0.00	0.01	0.045	O	|	|	|	|	0.03
249.167	0.00	0.01	0.045	O	|	|	|	|	0.03
249.250	0.00	0.01	0.045	O	|	|	|	|	0.03
249.333	0.00	0.01	0.045	O	|	|	|	|	0.03
249.417	0.00	0.01	0.045	O	|	|	|	|	0.03
249.500	0.00	0.01	0.045	O	|	|	|	|	0.03
249.583	0.00	0.01	0.045	O	|	|	|	|	0.03
249.667	0.00	0.01	0.045	O	|	|	|	|	0.03
249.750	0.00	0.01	0.044	O	|	|	|	|	0.03
249.833	0.00	0.01	0.044	O	|	|	|	|	0.03
249.917	0.00	0.01	0.044	O	|	|	|	|	0.03
250.000	0.00	0.01	0.044	O	|	|	|	|	0.03
250.083	0.00	0.01	0.044	O	|	|	|	|	0.03
250.167	0.00	0.01	0.044	O	|	|	|	|	0.03
250.250	0.00	0.01	0.044	O	|	|	|	|	0.03
250.333	0.00	0.01	0.044	O	|	|	|	|	0.03
250.417	0.00	0.01	0.044	O	|	|	|	|	0.03
250.500	0.00	0.01	0.044	O	|	|	|	|	0.03
250.583	0.00	0.01	0.043	O	|	|	|	|	0.03
250.667	0.00	0.01	0.043	O	|	|	|	|	0.03
250.750	0.00	0.01	0.043	O	|	|	|	|	0.03
250.833	0.00	0.01	0.043	O	|	|	|	|	0.03
250.917	0.00	0.01	0.043	O	|	|	|	|	0.03
251.000	0.00	0.01	0.043	O	|	|	|	|	0.03
251.083	0.00	0.01	0.043	O	|	|	|	|	0.03
251.167	0.00	0.01	0.043	O	|	|	|	|	0.03
251.250	0.00	0.01	0.043	O	|	|	|	|	0.03
251.333	0.00	0.01	0.043	O	|	|	|	|	0.03

251.417	0.00	0.01	0.043	O	|	|	|	|	0.03
251.500	0.00	0.01	0.042	O	|	|	|	|	0.03
251.583	0.00	0.01	0.042	O	|	|	|	|	0.03
251.667	0.00	0.01	0.042	O	|	|	|	|	0.03
251.750	0.00	0.01	0.042	O	|	|	|	|	0.03
251.833	0.00	0.01	0.042	O	|	|	|	|	0.03
251.917	0.00	0.01	0.042	O	|	|	|	|	0.03
252.000	0.00	0.01	0.042	O	|	|	|	|	0.03
252.083	0.00	0.01	0.042	O	|	|	|	|	0.03
252.167	0.00	0.01	0.042	O	|	|	|	|	0.03
252.250	0.00	0.01	0.042	O	|	|	|	|	0.03
252.333	0.00	0.01	0.041	O	|	|	|	|	0.03
252.417	0.00	0.01	0.041	O	|	|	|	|	0.03
252.500	0.00	0.01	0.041	O	|	|	|	|	0.03
252.583	0.00	0.01	0.041	O	|	|	|	|	0.03
252.667	0.00	0.01	0.041	O	|	|	|	|	0.03
252.750	0.00	0.01	0.041	O	|	|	|	|	0.03
252.833	0.00	0.01	0.041	O	|	|	|	|	0.03
252.917	0.00	0.01	0.041	O	|	|	|	|	0.03
253.000	0.00	0.01	0.041	O	|	|	|	|	0.03
253.083	0.00	0.01	0.041	O	|	|	|	|	0.03
253.167	0.00	0.01	0.041	O	|	|	|	|	0.03
253.250	0.00	0.01	0.040	O	|	|	|	|	0.03
253.333	0.00	0.01	0.040	O	|	|	|	|	0.03
253.417	0.00	0.01	0.040	O	|	|	|	|	0.03
253.500	0.00	0.01	0.040	O	|	|	|	|	0.03
253.583	0.00	0.01	0.040	O	|	|	|	|	0.03
253.667	0.00	0.01	0.040	O	|	|	|	|	0.03
253.750	0.00	0.01	0.040	O	|	|	|	|	0.03
253.833	0.00	0.01	0.040	O	|	|	|	|	0.03
253.917	0.00	0.01	0.040	O	|	|	|	|	0.03
254.000	0.00	0.01	0.040	O	|	|	|	|	0.03
254.083	0.00	0.01	0.040	O	|	|	|	|	0.03
254.167	0.00	0.01	0.040	O	|	|	|	|	0.03
254.250	0.00	0.01	0.039	O	|	|	|	|	0.03
254.333	0.00	0.01	0.039	O	|	|	|	|	0.03
254.417	0.00	0.01	0.039	O	|	|	|	|	0.03
254.500	0.00	0.01	0.039	O	|	|	|	|	0.03
254.583	0.00	0.01	0.039	O	|	|	|	|	0.03
254.667	0.00	0.01	0.039	O	|	|	|	|	0.03
254.750	0.00	0.01	0.039	O	|	|	|	|	0.03
254.833	0.00	0.01	0.039	O	|	|	|	|	0.03
254.917	0.00	0.01	0.039	O	|	|	|	|	0.03
255.000	0.00	0.01	0.039	O	|	|	|	|	0.03
255.083	0.00	0.01	0.039	O	|	|	|	|	0.03
255.167	0.00	0.01	0.038	O	|	|	|	|	0.03
255.250	0.00	0.01	0.038	O	|	|	|	|	0.03
255.333	0.00	0.01	0.038	O	|	|	|	|	0.03
255.417	0.00	0.01	0.038	O	|	|	|	|	0.03
255.500	0.00	0.01	0.038	O	|	|	|	|	0.03
255.583	0.00	0.01	0.038	O	|	|	|	|	0.03
255.667	0.00	0.01	0.038	O	|	|	|	|	0.03
255.750	0.00	0.01	0.038	O	|	|	|	|	0.03
255.833	0.00	0.01	0.038	O	|	|	|	|	0.03
255.917	0.00	0.01	0.038	O	|	|	|	|	0.03
256.000	0.00	0.01	0.038	O	|	|	|	|	0.03
256.083	0.00	0.01	0.038	O	|	|	|	|	0.03
256.167	0.00	0.01	0.037	O	|	|	|	|	0.03
256.250	0.00	0.01	0.037	O	|	|	|	|	0.03
256.333	0.00	0.01	0.037	O	|	|	|	|	0.03
256.417	0.00	0.01	0.037	O	|	|	|	|	0.03
256.500	0.00	0.01	0.037	O	|	|	|	|	0.03
256.583	0.00	0.01	0.037	O	|	|	|	|	0.03
256.667	0.00	0.01	0.037	O	|	|	|	|	0.03
256.750	0.00	0.01	0.037	O	|	|	|	|	0.03
256.833	0.00	0.01	0.037	O	|	|	|	|	0.03
256.917	0.00	0.01	0.037	O	|	|	|	|	0.03

257.000	0.00	0.01	0.037	O	|	|	|	|	0.03
257.083	0.00	0.01	0.037	O	|	|	|	|	0.03
257.167	0.00	0.01	0.036	O	|	|	|	|	0.03
257.250	0.00	0.01	0.036	O	|	|	|	|	0.03
257.333	0.00	0.01	0.036	O	|	|	|	|	0.03
257.417	0.00	0.01	0.036	O	|	|	|	|	0.02
257.500	0.00	0.01	0.036	O	|	|	|	|	0.02
257.583	0.00	0.01	0.036	O	|	|	|	|	0.02
257.667	0.00	0.01	0.036	O	|	|	|	|	0.02
257.750	0.00	0.01	0.036	O	|	|	|	|	0.02
257.833	0.00	0.01	0.036	O	|	|	|	|	0.02
257.917	0.00	0.01	0.036	O	|	|	|	|	0.02
258.000	0.00	0.01	0.036	O	|	|	|	|	0.02
258.083	0.00	0.01	0.036	O	|	|	|	|	0.02
258.167	0.00	0.01	0.035	O	|	|	|	|	0.02
258.250	0.00	0.01	0.035	O	|	|	|	|	0.02
258.333	0.00	0.01	0.035	O	|	|	|	|	0.02
258.417	0.00	0.01	0.035	O	|	|	|	|	0.02
258.500	0.00	0.01	0.035	O	|	|	|	|	0.02
258.583	0.00	0.01	0.035	O	|	|	|	|	0.02
258.667	0.00	0.01	0.035	O	|	|	|	|	0.02
258.750	0.00	0.01	0.035	O	|	|	|	|	0.02
258.833	0.00	0.01	0.035	O	|	|	|	|	0.02
258.917	0.00	0.01	0.035	O	|	|	|	|	0.02
259.000	0.00	0.01	0.035	O	|	|	|	|	0.02
259.083	0.00	0.01	0.035	O	|	|	|	|	0.02
259.167	0.00	0.01	0.035	O	|	|	|	|	0.02
259.250	0.00	0.01	0.034	O	|	|	|	|	0.02
259.333	0.00	0.01	0.034	O	|	|	|	|	0.02
259.417	0.00	0.01	0.034	O	|	|	|	|	0.02
259.500	0.00	0.01	0.034	O	|	|	|	|	0.02
259.583	0.00	0.01	0.034	O	|	|	|	|	0.02
259.667	0.00	0.01	0.034	O	|	|	|	|	0.02
259.750	0.00	0.01	0.034	O	|	|	|	|	0.02
259.833	0.00	0.01	0.034	O	|	|	|	|	0.02
259.917	0.00	0.01	0.034	O	|	|	|	|	0.02
260.000	0.00	0.01	0.034	O	|	|	|	|	0.02
260.083	0.00	0.01	0.034	O	|	|	|	|	0.02
260.167	0.00	0.01	0.034	O	|	|	|	|	0.02
260.250	0.00	0.01	0.034	O	|	|	|	|	0.02
260.333	0.00	0.01	0.033	O	|	|	|	|	0.02
260.417	0.00	0.01	0.033	O	|	|	|	|	0.02
260.500	0.00	0.01	0.033	O	|	|	|	|	0.02
260.583	0.00	0.01	0.033	O	|	|	|	|	0.02
260.667	0.00	0.01	0.033	O	|	|	|	|	0.02
260.750	0.00	0.01	0.033	O	|	|	|	|	0.02
260.833	0.00	0.01	0.033	O	|	|	|	|	0.02
260.917	0.00	0.01	0.033	O	|	|	|	|	0.02
261.000	0.00	0.01	0.033	O	|	|	|	|	0.02
261.083	0.00	0.01	0.033	O	|	|	|	|	0.02
261.167	0.00	0.01	0.033	O	|	|	|	|	0.02
261.250	0.00	0.01	0.033	O	|	|	|	|	0.02
261.333	0.00	0.01	0.033	O	|	|	|	|	0.02
261.417	0.00	0.01	0.033	O	|	|	|	|	0.02
261.500	0.00	0.01	0.032	O	|	|	|	|	0.02
261.583	0.00	0.01	0.032	O	|	|	|	|	0.02
261.667	0.00	0.01	0.032	O	|	|	|	|	0.02
261.750	0.00	0.01	0.032	O	|	|	|	|	0.02
261.833	0.00	0.01	0.032	O	|	|	|	|	0.02
261.917	0.00	0.01	0.032	O	|	|	|	|	0.02
262.000	0.00	0.01	0.032	O	|	|	|	|	0.02
262.083	0.00	0.01	0.032	O	|	|	|	|	0.02
262.167	0.00	0.01	0.032	O	|	|	|	|	0.02
262.250	0.00	0.01	0.032	O	|	|	|	|	0.02
262.333	0.00	0.01	0.032	O	|	|	|	|	0.02
262.417	0.00	0.01	0.032	O	|	|	|	|	0.02
262.500	0.00	0.01	0.032	O	|	|	|	|	0.02

262.583	0.00	0.01	0.032	O	|	|	|	|	0.02
262.667	0.00	0.01	0.031	O	|	|	|	|	0.02
262.750	0.00	0.01	0.031	O	|	|	|	|	0.02
262.833	0.00	0.01	0.031	O	|	|	|	|	0.02
262.917	0.00	0.01	0.031	O	|	|	|	|	0.02
263.000	0.00	0.01	0.031	O	|	|	|	|	0.02
263.083	0.00	0.01	0.031	O	|	|	|	|	0.02
263.167	0.00	0.01	0.031	O	|	|	|	|	0.02
263.250	0.00	0.01	0.031	O	|	|	|	|	0.02
263.333	0.00	0.01	0.031	O	|	|	|	|	0.02
263.417	0.00	0.01	0.031	O	|	|	|	|	0.02
263.500	0.00	0.01	0.031	O	|	|	|	|	0.02
263.583	0.00	0.01	0.031	O	|	|	|	|	0.02
263.667	0.00	0.01	0.031	O	|	|	|	|	0.02
263.750	0.00	0.01	0.031	O	|	|	|	|	0.02
263.833	0.00	0.01	0.030	O	|	|	|	|	0.02
263.917	0.00	0.01	0.030	O	|	|	|	|	0.02
264.000	0.00	0.01	0.030	O	|	|	|	|	0.02
264.083	0.00	0.01	0.030	O	|	|	|	|	0.02
264.167	0.00	0.01	0.030	O	|	|	|	|	0.02
264.250	0.00	0.01	0.030	O	|	|	|	|	0.02
264.333	0.00	0.01	0.030	O	|	|	|	|	0.02
264.417	0.00	0.01	0.030	O	|	|	|	|	0.02
264.500	0.00	0.01	0.030	O	|	|	|	|	0.02
264.583	0.00	0.01	0.030	O	|	|	|	|	0.02
264.667	0.00	0.01	0.030	O	|	|	|	|	0.02
264.750	0.00	0.01	0.030	O	|	|	|	|	0.02
264.833	0.00	0.01	0.030	O	|	|	|	|	0.02
264.917	0.00	0.01	0.030	O	|	|	|	|	0.02
265.000	0.00	0.01	0.030	O	|	|	|	|	0.02
265.083	0.00	0.01	0.029	O	|	|	|	|	0.02
265.167	0.00	0.01	0.029	O	|	|	|	|	0.02
265.250	0.00	0.01	0.029	O	|	|	|	|	0.02
265.333	0.00	0.01	0.029	O	|	|	|	|	0.02
265.417	0.00	0.01	0.029	O	|	|	|	|	0.02
265.500	0.00	0.01	0.029	O	|	|	|	|	0.02
265.583	0.00	0.01	0.029	O	|	|	|	|	0.02
265.667	0.00	0.01	0.029	O	|	|	|	|	0.02
265.750	0.00	0.01	0.029	O	|	|	|	|	0.02
265.833	0.00	0.01	0.029	O	|	|	|	|	0.02
265.917	0.00	0.01	0.029	O	|	|	|	|	0.02
266.000	0.00	0.01	0.029	O	|	|	|	|	0.02
266.083	0.00	0.01	0.029	O	|	|	|	|	0.02
266.167	0.00	0.01	0.029	O	|	|	|	|	0.02
266.250	0.00	0.01	0.029	O	|	|	|	|	0.02
266.333	0.00	0.01	0.029	O	|	|	|	|	0.02
266.417	0.00	0.01	0.028	O	|	|	|	|	0.02
266.500	0.00	0.01	0.028	O	|	|	|	|	0.02
266.583	0.00	0.01	0.028	O	|	|	|	|	0.02
266.667	0.00	0.01	0.028	O	|	|	|	|	0.02
266.750	0.00	0.01	0.028	O	|	|	|	|	0.02
266.833	0.00	0.01	0.028	O	|	|	|	|	0.02
266.917	0.00	0.01	0.028	O	|	|	|	|	0.02
267.000	0.00	0.01	0.028	O	|	|	|	|	0.02
267.083	0.00	0.01	0.028	O	|	|	|	|	0.02
267.167	0.00	0.01	0.028	O	|	|	|	|	0.02
267.250	0.00	0.01	0.028	O	|	|	|	|	0.02
267.333	0.00	0.01	0.028	O	|	|	|	|	0.02
267.417	0.00	0.01	0.028	O	|	|	|	|	0.02
267.500	0.00	0.01	0.028	O	|	|	|	|	0.02
267.583	0.00	0.01	0.028	O	|	|	|	|	0.02
267.667	0.00	0.01	0.028	O	|	|	|	|	0.02
267.750	0.00	0.01	0.027	O	|	|	|	|	0.02
267.833	0.00	0.01	0.027	O	|	|	|	|	0.02
267.917	0.00	0.01	0.027	O	|	|	|	|	0.02
268.000	0.00	0.01	0.027	O	|	|	|	|	0.02
268.083	0.00	0.01	0.027	O	|	|	|	|	0.02

268.167	0.00	0.01	0.027	O	|	|	|	0.02
268.250	0.00	0.01	0.027	O	|	|	|	0.02
268.333	0.00	0.01	0.027	O	|	|	|	0.02
268.417	0.00	0.01	0.027	O	|	|	|	0.02
268.500	0.00	0.01	0.027	O	|	|	|	0.02
268.583	0.00	0.01	0.027	O	|	|	|	0.02
268.667	0.00	0.01	0.027	O	|	|	|	0.02
268.750	0.00	0.01	0.027	O	|	|	|	0.02
268.833	0.00	0.01	0.027	O	|	|	|	0.02
268.917	0.00	0.01	0.027	O	|	|	|	0.02
269.000	0.00	0.01	0.027	O	|	|	|	0.02
269.083	0.00	0.01	0.026	O	|	|	|	0.02
269.167	0.00	0.01	0.026	O	|	|	|	0.02
269.250	0.00	0.01	0.026	O	|	|	|	0.02
269.333	0.00	0.01	0.026	O	|	|	|	0.02
269.417	0.00	0.01	0.026	O	|	|	|	0.02
269.500	0.00	0.01	0.026	O	|	|	|	0.02
269.583	0.00	0.01	0.026	O	|	|	|	0.02
269.667	0.00	0.01	0.026	O	|	|	|	0.02
269.750	0.00	0.01	0.026	O	|	|	|	0.02
269.833	0.00	0.01	0.026	O	|	|	|	0.02
269.917	0.00	0.01	0.026	O	|	|	|	0.02
270.000	0.00	0.01	0.026	O	|	|	|	0.02
270.083	0.00	0.01	0.026	O	|	|	|	0.02
270.167	0.00	0.01	0.026	O	|	|	|	0.02
270.250	0.00	0.01	0.026	O	|	|	|	0.02
270.333	0.00	0.01	0.026	O	|	|	|	0.02
270.417	0.00	0.01	0.026	O	|	|	|	0.02
270.500	0.00	0.01	0.026	O	|	|	|	0.02
270.583	0.00	0.01	0.025	O	|	|	|	0.02
270.667	0.00	0.01	0.025	O	|	|	|	0.02
270.750	0.00	0.01	0.025	O	|	|	|	0.02
270.833	0.00	0.01	0.025	O	|	|	|	0.02
270.917	0.00	0.01	0.025	O	|	|	|	0.02
271.000	0.00	0.01	0.025	O	|	|	|	0.02
271.083	0.00	0.01	0.025	O	|	|	|	0.02
271.167	0.00	0.01	0.025	O	|	|	|	0.02
271.250	0.00	0.01	0.025	O	|	|	|	0.02
271.333	0.00	0.01	0.025	O	|	|	|	0.02
271.417	0.00	0.01	0.025	O	|	|	|	0.02
271.500	0.00	0.01	0.025	O	|	|	|	0.02
271.583	0.00	0.01	0.025	O	|	|	|	0.02
271.667	0.00	0.01	0.025	O	|	|	|	0.02
271.750	0.00	0.01	0.025	O	|	|	|	0.02
271.833	0.00	0.01	0.025	O	|	|	|	0.02
271.917	0.00	0.01	0.025	O	|	|	|	0.02
272.000	0.00	0.01	0.025	O	|	|	|	0.02
272.083	0.00	0.01	0.024	O	|	|	|	0.02
272.167	0.00	0.01	0.024	O	|	|	|	0.02
272.250	0.00	0.01	0.024	O	|	|	|	0.02
272.333	0.00	0.01	0.024	O	|	|	|	0.02
272.417	0.00	0.01	0.024	O	|	|	|	0.02
272.500	0.00	0.01	0.024	O	|	|	|	0.02
272.583	0.00	0.01	0.024	O	|	|	|	0.02
272.667	0.00	0.01	0.024	O	|	|	|	0.02
272.750	0.00	0.01	0.024	O	|	|	|	0.02
272.833	0.00	0.01	0.024	O	|	|	|	0.02
272.917	0.00	0.01	0.024	O	|	|	|	0.02
273.000	0.00	0.01	0.024	O	|	|	|	0.02
273.083	0.00	0.01	0.024	O	|	|	|	0.02
273.167	0.00	0.01	0.024	O	|	|	|	0.02
273.250	0.00	0.01	0.024	O	|	|	|	0.02
273.333	0.00	0.01	0.024	O	|	|	|	0.02
273.417	0.00	0.01	0.024	O	|	|	|	0.02
273.500	0.00	0.01	0.024	O	|	|	|	0.02
273.583	0.00	0.01	0.023	O	|	|	|	0.02
273.667	0.00	0.01	0.023	O	|	|	|	0.02

273.750	0.00	0.01	0.023	O	|	|	|	|	0.02
273.833	0.00	0.01	0.023	O	|	|	|	|	0.02
273.917	0.00	0.01	0.023	O	|	|	|	|	0.02
274.000	0.00	0.01	0.023	O	|	|	|	|	0.02
274.083	0.00	0.01	0.023	O	|	|	|	|	0.02
274.167	0.00	0.01	0.023	O	|	|	|	|	0.02
274.250	0.00	0.01	0.023	O	|	|	|	|	0.02
274.333	0.00	0.01	0.023	O	|	|	|	|	0.02
274.417	0.00	0.01	0.023	O	|	|	|	|	0.02
274.500	0.00	0.01	0.023	O	|	|	|	|	0.02
274.583	0.00	0.01	0.023	O	|	|	|	|	0.02
274.667	0.00	0.01	0.023	O	|	|	|	|	0.02
274.750	0.00	0.01	0.023	O	|	|	|	|	0.02
274.833	0.00	0.01	0.023	O	|	|	|	|	0.02
274.917	0.00	0.01	0.023	O	|	|	|	|	0.02
275.000	0.00	0.01	0.023	O	|	|	|	|	0.02
275.083	0.00	0.01	0.023	O	|	|	|	|	0.02
275.167	0.00	0.01	0.023	O	|	|	|	|	0.02
275.250	0.00	0.01	0.022	O	|	|	|	|	0.02
275.333	0.00	0.01	0.022	O	|	|	|	|	0.02
275.417	0.00	0.01	0.022	O	|	|	|	|	0.02
275.500	0.00	0.01	0.022	O	|	|	|	|	0.02
275.583	0.00	0.01	0.022	O	|	|	|	|	0.02
275.667	0.00	0.01	0.022	O	|	|	|	|	0.02
275.750	0.00	0.01	0.022	O	|	|	|	|	0.02
275.833	0.00	0.01	0.022	O	|	|	|	|	0.02
275.917	0.00	0.01	0.022	O	|	|	|	|	0.02
276.000	0.00	0.01	0.022	O	|	|	|	|	0.02
276.083	0.00	0.01	0.022	O	|	|	|	|	0.02
276.167	0.00	0.01	0.022	O	|	|	|	|	0.02
276.250	0.00	0.01	0.022	O	|	|	|	|	0.02
276.333	0.00	0.01	0.022	O	|	|	|	|	0.02
276.417	0.00	0.01	0.022	O	|	|	|	|	0.02
276.500	0.00	0.01	0.022	O	|	|	|	|	0.01
276.583	0.00	0.01	0.022	O	|	|	|	|	0.01
276.667	0.00	0.01	0.022	O	|	|	|	|	0.01
276.750	0.00	0.01	0.022	O	|	|	|	|	0.01
276.833	0.00	0.01	0.022	O	|	|	|	|	0.01
276.917	0.00	0.01	0.021	O	|	|	|	|	0.01
277.000	0.00	0.01	0.021	O	|	|	|	|	0.01
277.083	0.00	0.01	0.021	O	|	|	|	|	0.01
277.167	0.00	0.01	0.021	O	|	|	|	|	0.01
277.250	0.00	0.01	0.021	O	|	|	|	|	0.01
277.333	0.00	0.01	0.021	O	|	|	|	|	0.01
277.417	0.00	0.01	0.021	O	|	|	|	|	0.01
277.500	0.00	0.01	0.021	O	|	|	|	|	0.01
277.583	0.00	0.01	0.021	O	|	|	|	|	0.01
277.667	0.00	0.01	0.021	O	|	|	|	|	0.01
277.750	0.00	0.01	0.021	O	|	|	|	|	0.01
277.833	0.00	0.01	0.021	O	|	|	|	|	0.01
277.917	0.00	0.01	0.021	O	|	|	|	|	0.01
278.000	0.00	0.01	0.021	O	|	|	|	|	0.01
278.083	0.00	0.01	0.021	O	|	|	|	|	0.01
278.167	0.00	0.01	0.021	O	|	|	|	|	0.01
278.250	0.00	0.01	0.021	O	|	|	|	|	0.01
278.333	0.00	0.01	0.021	O	|	|	|	|	0.01
278.417	0.00	0.01	0.021	O	|	|	|	|	0.01
278.500	0.00	0.01	0.021	O	|	|	|	|	0.01
278.583	0.00	0.01	0.021	O	|	|	|	|	0.01
278.667	0.00	0.01	0.020	O	|	|	|	|	0.01
278.750	0.00	0.01	0.020	O	|	|	|	|	0.01
278.833	0.00	0.01	0.020	O	|	|	|	|	0.01
278.917	0.00	0.01	0.020	O	|	|	|	|	0.01
279.000	0.00	0.01	0.020	O	|	|	|	|	0.01
279.083	0.00	0.01	0.020	O	|	|	|	|	0.01
279.167	0.00	0.01	0.020	O	|	|	|	|	0.01
279.250	0.00	0.01	0.020	O	|	|	|	|	0.01

279.333	0.00	0.01	0.020	O	|	|	|	|	0.01
279.417	0.00	0.01	0.020	O	|	|	|	|	0.01
279.500	0.00	0.01	0.020	O	|	|	|	|	0.01
279.583	0.00	0.01	0.020	O	|	|	|	|	0.01
279.667	0.00	0.01	0.020	O	|	|	|	|	0.01
279.750	0.00	0.01	0.020	O	|	|	|	|	0.01
279.833	0.00	0.01	0.020	O	|	|	|	|	0.01
279.917	0.00	0.01	0.020	O	|	|	|	|	0.01
280.000	0.00	0.01	0.020	O	|	|	|	|	0.01
280.083	0.00	0.01	0.020	O	|	|	|	|	0.01
280.167	0.00	0.01	0.020	O	|	|	|	|	0.01
280.250	0.00	0.01	0.020	O	|	|	|	|	0.01
280.333	0.00	0.01	0.020	O	|	|	|	|	0.01
280.417	0.00	0.01	0.020	O	|	|	|	|	0.01
280.500	0.00	0.01	0.020	O	|	|	|	|	0.01
280.583	0.00	0.01	0.019	O	|	|	|	|	0.01
280.667	0.00	0.01	0.019	O	|	|	|	|	0.01
280.750	0.00	0.01	0.019	O	|	|	|	|	0.01
280.833	0.00	0.01	0.019	O	|	|	|	|	0.01
280.917	0.00	0.01	0.019	O	|	|	|	|	0.01
281.000	0.00	0.01	0.019	O	|	|	|	|	0.01
281.083	0.00	0.01	0.019	O	|	|	|	|	0.01
281.167	0.00	0.01	0.019	O	|	|	|	|	0.01
281.250	0.00	0.01	0.019	O	|	|	|	|	0.01
281.333	0.00	0.01	0.019	O	|	|	|	|	0.01
281.417	0.00	0.01	0.019	O	|	|	|	|	0.01
281.500	0.00	0.01	0.019	O	|	|	|	|	0.01
281.583	0.00	0.01	0.019	O	|	|	|	|	0.01
281.667	0.00	0.01	0.019	O	|	|	|	|	0.01
281.750	0.00	0.01	0.019	O	|	|	|	|	0.01
281.833	0.00	0.01	0.019	O	|	|	|	|	0.01
281.917	0.00	0.01	0.019	O	|	|	|	|	0.01
282.000	0.00	0.01	0.019	O	|	|	|	|	0.01
282.083	0.00	0.01	0.019	O	|	|	|	|	0.01
282.167	0.00	0.01	0.019	O	|	|	|	|	0.01
282.250	0.00	0.01	0.019	O	|	|	|	|	0.01
282.333	0.00	0.01	0.019	O	|	|	|	|	0.01
282.417	0.00	0.01	0.019	O	|	|	|	|	0.01
282.500	0.00	0.01	0.018	O	|	|	|	|	0.01
282.583	0.00	0.01	0.018	O	|	|	|	|	0.01
282.667	0.00	0.01	0.018	O	|	|	|	|	0.01
282.750	0.00	0.01	0.018	O	|	|	|	|	0.01
282.833	0.00	0.01	0.018	O	|	|	|	|	0.01
282.917	0.00	0.01	0.018	O	|	|	|	|	0.01
283.000	0.00	0.01	0.018	O	|	|	|	|	0.01
283.083	0.00	0.01	0.018	O	|	|	|	|	0.01
283.167	0.00	0.01	0.018	O	|	|	|	|	0.01
283.250	0.00	0.01	0.018	O	|	|	|	|	0.01
283.333	0.00	0.01	0.018	O	|	|	|	|	0.01
283.417	0.00	0.01	0.018	O	|	|	|	|	0.01
283.500	0.00	0.01	0.018	O	|	|	|	|	0.01
283.583	0.00	0.01	0.018	O	|	|	|	|	0.01
283.667	0.00	0.01	0.018	O	|	|	|	|	0.01
283.750	0.00	0.01	0.018	O	|	|	|	|	0.01
283.833	0.00	0.01	0.018	O	|	|	|	|	0.01
283.917	0.00	0.01	0.018	O	|	|	|	|	0.01
284.000	0.00	0.01	0.018	O	|	|	|	|	0.01
284.083	0.00	0.01	0.018	O	|	|	|	|	0.01
284.167	0.00	0.01	0.018	O	|	|	|	|	0.01
284.250	0.00	0.01	0.018	O	|	|	|	|	0.01
284.333	0.00	0.01	0.018	O	|	|	|	|	0.01
284.417	0.00	0.01	0.018	O	|	|	|	|	0.01
284.500	0.00	0.01	0.018	O	|	|	|	|	0.01
284.583	0.00	0.01	0.017	O	|	|	|	|	0.01
284.667	0.00	0.01	0.017	O	|	|	|	|	0.01
284.750	0.00	0.01	0.017	O	|	|	|	|	0.01
284.833	0.00	0.01	0.017	O	|	|	|	|	0.01

284.917	0.00	0.01	0.017	O	|	|	|	|	0.01
285.000	0.00	0.01	0.017	O	|	|	|	|	0.01
285.083	0.00	0.01	0.017	O	|	|	|	|	0.01
285.167	0.00	0.01	0.017	O	|	|	|	|	0.01
285.250	0.00	0.01	0.017	O	|	|	|	|	0.01
285.333	0.00	0.01	0.017	O	|	|	|	|	0.01
285.417	0.00	0.01	0.017	O	|	|	|	|	0.01
285.500	0.00	0.01	0.017	O	|	|	|	|	0.01
285.583	0.00	0.01	0.017	O	|	|	|	|	0.01
285.667	0.00	0.01	0.017	O	|	|	|	|	0.01
285.750	0.00	0.01	0.017	O	|	|	|	|	0.01
285.833	0.00	0.01	0.017	O	|	|	|	|	0.01
285.917	0.00	0.01	0.017	O	|	|	|	|	0.01
286.000	0.00	0.01	0.017	O	|	|	|	|	0.01
286.083	0.00	0.01	0.017	O	|	|	|	|	0.01
286.167	0.00	0.01	0.017	O	|	|	|	|	0.01
286.250	0.00	0.01	0.017	O	|	|	|	|	0.01
286.333	0.00	0.01	0.017	O	|	|	|	|	0.01
286.417	0.00	0.01	0.017	O	|	|	|	|	0.01
286.500	0.00	0.01	0.017	O	|	|	|	|	0.01
286.583	0.00	0.01	0.017	O	|	|	|	|	0.01
286.667	0.00	0.01	0.017	O	|	|	|	|	0.01
286.750	0.00	0.01	0.017	O	|	|	|	|	0.01
286.833	0.00	0.01	0.016	O	|	|	|	|	0.01
286.917	0.00	0.01	0.016	O	|	|	|	|	0.01
287.000	0.00	0.01	0.016	O	|	|	|	|	0.01
287.083	0.00	0.01	0.016	O	|	|	|	|	0.01
287.167	0.00	0.01	0.016	O	|	|	|	|	0.01
287.250	0.00	0.01	0.016	O	|	|	|	|	0.01
287.333	0.00	0.01	0.016	O	|	|	|	|	0.01
287.417	0.00	0.01	0.016	O	|	|	|	|	0.01
287.500	0.00	0.01	0.016	O	|	|	|	|	0.01
287.583	0.00	0.01	0.016	O	|	|	|	|	0.01
287.667	0.00	0.01	0.016	O	|	|	|	|	0.01
287.750	0.00	0.01	0.016	O	|	|	|	|	0.01
287.833	0.00	0.01	0.016	O	|	|	|	|	0.01
287.917	0.00	0.01	0.016	O	|	|	|	|	0.01
288.000	0.00	0.01	0.016	O	|	|	|	|	0.01
288.083	0.00	0.01	0.016	O	|	|	|	|	0.01
288.167	0.00	0.01	0.016	O	|	|	|	|	0.01
288.250	0.00	0.01	0.016	O	|	|	|	|	0.01
288.333	0.00	0.01	0.016	O	|	|	|	|	0.01
288.417	0.00	0.01	0.016	O	|	|	|	|	0.01
288.500	0.00	0.01	0.016	O	|	|	|	|	0.01
288.583	0.00	0.01	0.016	O	|	|	|	|	0.01
288.667	0.00	0.01	0.016	O	|	|	|	|	0.01
288.750	0.00	0.01	0.016	O	|	|	|	|	0.01
288.833	0.00	0.01	0.016	O	|	|	|	|	0.01
288.917	0.00	0.01	0.016	O	|	|	|	|	0.01
289.000	0.00	0.01	0.016	O	|	|	|	|	0.01
289.083	0.00	0.01	0.016	O	|	|	|	|	0.01
289.167	0.00	0.01	0.015	O	|	|	|	|	0.01
289.250	0.00	0.01	0.015	O	|	|	|	|	0.01
289.333	0.00	0.00	0.015	O	|	|	|	|	0.01
289.417	0.00	0.00	0.015	O	|	|	|	|	0.01
289.500	0.00	0.00	0.015	O	|	|	|	|	0.01
289.583	0.00	0.00	0.015	O	|	|	|	|	0.01
289.667	0.00	0.00	0.015	O	|	|	|	|	0.01
289.750	0.00	0.00	0.015	O	|	|	|	|	0.01
289.833	0.00	0.00	0.015	O	|	|	|	|	0.01
289.917	0.00	0.00	0.015	O	|	|	|	|	0.01
290.000	0.00	0.00	0.015	O	|	|	|	|	0.01
290.083	0.00	0.00	0.015	O	|	|	|	|	0.01
290.167	0.00	0.00	0.015	O	|	|	|	|	0.01
290.250	0.00	0.00	0.015	O	|	|	|	|	0.01
290.333	0.00	0.00	0.015	O	|	|	|	|	0.01
290.417	0.00	0.00	0.015	O	|	|	|	|	0.01

290.500	0.00	0.00	0.015	O	|	|	|	|	0.01
290.583	0.00	0.00	0.015	O	|	|	|	|	0.01
290.667	0.00	0.00	0.015	O	|	|	|	|	0.01
290.750	0.00	0.00	0.015	O	|	|	|	|	0.01
290.833	0.00	0.00	0.015	O	|	|	|	|	0.01
290.917	0.00	0.00	0.015	O	|	|	|	|	0.01
291.000	0.00	0.00	0.015	O	|	|	|	|	0.01
291.083	0.00	0.00	0.015	O	|	|	|	|	0.01
291.167	0.00	0.00	0.015	O	|	|	|	|	0.01
291.250	0.00	0.00	0.015	O	|	|	|	|	0.01
291.333	0.00	0.00	0.015	O	|	|	|	|	0.01
291.417	0.00	0.00	0.015	O	|	|	|	|	0.01
291.500	0.00	0.00	0.015	O	|	|	|	|	0.01
291.583	0.00	0.00	0.015	O	|	|	|	|	0.01
291.667	0.00	0.00	0.014	O	|	|	|	|	0.01
291.750	0.00	0.00	0.014	O	|	|	|	|	0.01
291.833	0.00	0.00	0.014	O	|	|	|	|	0.01
291.917	0.00	0.00	0.014	O	|	|	|	|	0.01
292.000	0.00	0.00	0.014	O	|	|	|	|	0.01
292.083	0.00	0.00	0.014	O	|	|	|	|	0.01
292.167	0.00	0.00	0.014	O	|	|	|	|	0.01
292.250	0.00	0.00	0.014	O	|	|	|	|	0.01
292.333	0.00	0.00	0.014	O	|	|	|	|	0.01
292.417	0.00	0.00	0.014	O	|	|	|	|	0.01
292.500	0.00	0.00	0.014	O	|	|	|	|	0.01
292.583	0.00	0.00	0.014	O	|	|	|	|	0.01
292.667	0.00	0.00	0.014	O	|	|	|	|	0.01
292.750	0.00	0.00	0.014	O	|	|	|	|	0.01
292.833	0.00	0.00	0.014	O	|	|	|	|	0.01
292.917	0.00	0.00	0.014	O	|	|	|	|	0.01
293.000	0.00	0.00	0.014	O	|	|	|	|	0.01
293.083	0.00	0.00	0.014	O	|	|	|	|	0.01
293.167	0.00	0.00	0.014	O	|	|	|	|	0.01
293.250	0.00	0.00	0.014	O	|	|	|	|	0.01
293.333	0.00	0.00	0.014	O	|	|	|	|	0.01
293.417	0.00	0.00	0.014	O	|	|	|	|	0.01
293.500	0.00	0.00	0.014	O	|	|	|	|	0.01
293.583	0.00	0.00	0.014	O	|	|	|	|	0.01
293.667	0.00	0.00	0.014	O	|	|	|	|	0.01
293.750	0.00	0.00	0.014	O	|	|	|	|	0.01
293.833	0.00	0.00	0.014	O	|	|	|	|	0.01
293.917	0.00	0.00	0.014	O	|	|	|	|	0.01
294.000	0.00	0.00	0.014	O	|	|	|	|	0.01
294.083	0.00	0.00	0.014	O	|	|	|	|	0.01
294.167	0.00	0.00	0.014	O	|	|	|	|	0.01
294.250	0.00	0.00	0.014	O	|	|	|	|	0.01
294.333	0.00	0.00	0.013	O	|	|	|	|	0.01
294.417	0.00	0.00	0.013	O	|	|	|	|	0.01
294.500	0.00	0.00	0.013	O	|	|	|	|	0.01
294.583	0.00	0.00	0.013	O	|	|	|	|	0.01
294.667	0.00	0.00	0.013	O	|	|	|	|	0.01
294.750	0.00	0.00	0.013	O	|	|	|	|	0.01
294.833	0.00	0.00	0.013	O	|	|	|	|	0.01
294.917	0.00	0.00	0.013	O	|	|	|	|	0.01
295.000	0.00	0.00	0.013	O	|	|	|	|	0.01
295.083	0.00	0.00	0.013	O	|	|	|	|	0.01
295.167	0.00	0.00	0.013	O	|	|	|	|	0.01
295.250	0.00	0.00	0.013	O	|	|	|	|	0.01
295.333	0.00	0.00	0.013	O	|	|	|	|	0.01
295.417	0.00	0.00	0.013	O	|	|	|	|	0.01
295.500	0.00	0.00	0.013	O	|	|	|	|	0.01
295.583	0.00	0.00	0.013	O	|	|	|	|	0.01
295.667	0.00	0.00	0.013	O	|	|	|	|	0.01
295.750	0.00	0.00	0.013	O	|	|	|	|	0.01
295.833	0.00	0.00	0.013	O	|	|	|	|	0.01
295.917	0.00	0.00	0.013	O	|	|	|	|	0.01
296.000	0.00	0.00	0.013	O	|	|	|	|	0.01

296.083	0.00	0.00	0.013	O	|	|	|	|	0.01
296.167	0.00	0.00	0.013	O	|	|	|	|	0.01
296.250	0.00	0.00	0.013	O	|	|	|	|	0.01
296.333	0.00	0.00	0.013	O	|	|	|	|	0.01
296.417	0.00	0.00	0.013	O	|	|	|	|	0.01
296.500	0.00	0.00	0.013	O	|	|	|	|	0.01
296.583	0.00	0.00	0.013	O	|	|	|	|	0.01
296.667	0.00	0.00	0.013	O	|	|	|	|	0.01
296.750	0.00	0.00	0.013	O	|	|	|	|	0.01
296.833	0.00	0.00	0.013	O	|	|	|	|	0.01
296.917	0.00	0.00	0.013	O	|	|	|	|	0.01
297.000	0.00	0.00	0.013	O	|	|	|	|	0.01
297.083	0.00	0.00	0.013	O	|	|	|	|	0.01
297.167	0.00	0.00	0.012	O	|	|	|	|	0.01
297.250	0.00	0.00	0.012	O	|	|	|	|	0.01
297.333	0.00	0.00	0.012	O	|	|	|	|	0.01
297.417	0.00	0.00	0.012	O	|	|	|	|	0.01
297.500	0.00	0.00	0.012	O	|	|	|	|	0.01
297.583	0.00	0.00	0.012	O	|	|	|	|	0.01
297.667	0.00	0.00	0.012	O	|	|	|	|	0.01
297.750	0.00	0.00	0.012	O	|	|	|	|	0.01
297.833	0.00	0.00	0.012	O	|	|	|	|	0.01
297.917	0.00	0.00	0.012	O	|	|	|	|	0.01
298.000	0.00	0.00	0.012	O	|	|	|	|	0.01
298.083	0.00	0.00	0.012	O	|	|	|	|	0.01
298.167	0.00	0.00	0.012	O	|	|	|	|	0.01
298.250	0.00	0.00	0.012	O	|	|	|	|	0.01
298.333	0.00	0.00	0.012	O	|	|	|	|	0.01
298.417	0.00	0.00	0.012	O	|	|	|	|	0.01
298.500	0.00	0.00	0.012	O	|	|	|	|	0.01
298.583	0.00	0.00	0.012	O	|	|	|	|	0.01
298.667	0.00	0.00	0.012	O	|	|	|	|	0.01
298.750	0.00	0.00	0.012	O	|	|	|	|	0.01
298.833	0.00	0.00	0.012	O	|	|	|	|	0.01
298.917	0.00	0.00	0.012	O	|	|	|	|	0.01
299.000	0.00	0.00	0.012	O	|	|	|	|	0.01
299.083	0.00	0.00	0.012	O	|	|	|	|	0.01
299.167	0.00	0.00	0.012	O	|	|	|	|	0.01
299.250	0.00	0.00	0.012	O	|	|	|	|	0.01
299.333	0.00	0.00	0.012	O	|	|	|	|	0.01
299.417	0.00	0.00	0.012	O	|	|	|	|	0.01
299.500	0.00	0.00	0.012	O	|	|	|	|	0.01
299.583	0.00	0.00	0.012	O	|	|	|	|	0.01
299.667	0.00	0.00	0.012	O	|	|	|	|	0.01
299.750	0.00	0.00	0.012	O	|	|	|	|	0.01
299.833	0.00	0.00	0.012	O	|	|	|	|	0.01
299.917	0.00	0.00	0.012	O	|	|	|	|	0.01
300.000	0.00	0.00	0.012	O	|	|	|	|	0.01
300.083	0.00	0.00	0.012	O	|	|	|	|	0.01
300.167	0.00	0.00	0.012	O	|	|	|	|	0.01
300.250	0.00	0.00	0.011	O	|	|	|	|	0.01
300.333	0.00	0.00	0.011	O	|	|	|	|	0.01
300.417	0.00	0.00	0.011	O	|	|	|	|	0.01
300.500	0.00	0.00	0.011	O	|	|	|	|	0.01
300.583	0.00	0.00	0.011	O	|	|	|	|	0.01
300.667	0.00	0.00	0.011	O	|	|	|	|	0.01
300.750	0.00	0.00	0.011	O	|	|	|	|	0.01
300.833	0.00	0.00	0.011	O	|	|	|	|	0.01
300.917	0.00	0.00	0.011	O	|	|	|	|	0.01
301.000	0.00	0.00	0.011	O	|	|	|	|	0.01
301.083	0.00	0.00	0.011	O	|	|	|	|	0.01
301.167	0.00	0.00	0.011	O	|	|	|	|	0.01
301.250	0.00	0.00	0.011	O	|	|	|	|	0.01
301.333	0.00	0.00	0.011	O	|	|	|	|	0.01
301.417	0.00	0.00	0.011	O	|	|	|	|	0.01
301.500	0.00	0.00	0.011	O	|	|	|	|	0.01
301.583	0.00	0.00	0.011	O	|	|	|	|	0.01

301.667	0.00	0.00	0.011	O	|	|	|	|	0.01
301.750	0.00	0.00	0.011	O	|	|	|	|	0.01
301.833	0.00	0.00	0.011	O	|	|	|	|	0.01
301.917	0.00	0.00	0.011	O	|	|	|	|	0.01
302.000	0.00	0.00	0.011	O	|	|	|	|	0.01
302.083	0.00	0.00	0.011	O	|	|	|	|	0.01
302.167	0.00	0.00	0.011	O	|	|	|	|	0.01
302.250	0.00	0.00	0.011	O	|	|	|	|	0.01
302.333	0.00	0.00	0.011	O	|	|	|	|	0.01
302.417	0.00	0.00	0.011	O	|	|	|	|	0.01
302.500	0.00	0.00	0.011	O	|	|	|	|	0.01
302.583	0.00	0.00	0.011	O	|	|	|	|	0.01
302.667	0.00	0.00	0.011	O	|	|	|	|	0.01
302.750	0.00	0.00	0.011	O	|	|	|	|	0.01
302.833	0.00	0.00	0.011	O	|	|	|	|	0.01
302.917	0.00	0.00	0.011	O	|	|	|	|	0.01
303.000	0.00	0.00	0.011	O	|	|	|	|	0.01
303.083	0.00	0.00	0.011	O	|	|	|	|	0.01
303.167	0.00	0.00	0.011	O	|	|	|	|	0.01
303.250	0.00	0.00	0.011	O	|	|	|	|	0.01
303.333	0.00	0.00	0.011	O	|	|	|	|	0.01
303.417	0.00	0.00	0.011	O	|	|	|	|	0.01
303.500	0.00	0.00	0.011	O	|	|	|	|	0.01
303.583	0.00	0.00	0.011	O	|	|	|	|	0.01
303.667	0.00	0.00	0.010	O	|	|	|	|	0.01
303.750	0.00	0.00	0.010	O	|	|	|	|	0.01
303.833	0.00	0.00	0.010	O	|	|	|	|	0.01
303.917	0.00	0.00	0.010	O	|	|	|	|	0.01
304.000	0.00	0.00	0.010	O	|	|	|	|	0.01
304.083	0.00	0.00	0.010	O	|	|	|	|	0.01
304.167	0.00	0.00	0.010	O	|	|	|	|	0.01
304.250	0.00	0.00	0.010	O	|	|	|	|	0.01
304.333	0.00	0.00	0.010	O	|	|	|	|	0.01
304.417	0.00	0.00	0.010	O	|	|	|	|	0.01
304.500	0.00	0.00	0.010	O	|	|	|	|	0.01
304.583	0.00	0.00	0.010	O	|	|	|	|	0.01
304.667	0.00	0.00	0.010	O	|	|	|	|	0.01
304.750	0.00	0.00	0.010	O	|	|	|	|	0.01
304.833	0.00	0.00	0.010	O	|	|	|	|	0.01
304.917	0.00	0.00	0.010	O	|	|	|	|	0.01
305.000	0.00	0.00	0.010	O	|	|	|	|	0.01
305.083	0.00	0.00	0.010	O	|	|	|	|	0.01
305.167	0.00	0.00	0.010	O	|	|	|	|	0.01
305.250	0.00	0.00	0.010	O	|	|	|	|	0.01
305.333	0.00	0.00	0.010	O	|	|	|	|	0.01
305.417	0.00	0.00	0.010	O	|	|	|	|	0.01
305.500	0.00	0.00	0.010	O	|	|	|	|	0.01
305.583	0.00	0.00	0.010	O	|	|	|	|	0.01
305.667	0.00	0.00	0.010	O	|	|	|	|	0.01
305.750	0.00	0.00	0.010	O	|	|	|	|	0.01
305.833	0.00	0.00	0.010	O	|	|	|	|	0.01
305.917	0.00	0.00	0.010	O	|	|	|	|	0.01
306.000	0.00	0.00	0.010	O	|	|	|	|	0.01
306.083	0.00	0.00	0.010	O	|	|	|	|	0.01
306.167	0.00	0.00	0.010	O	|	|	|	|	0.01
306.250	0.00	0.00	0.010	O	|	|	|	|	0.01
306.333	0.00	0.00	0.010	O	|	|	|	|	0.01
306.417	0.00	0.00	0.010	O	|	|	|	|	0.01
306.500	0.00	0.00	0.010	O	|	|	|	|	0.01
306.583	0.00	0.00	0.010	O	|	|	|	|	0.01
306.667	0.00	0.00	0.010	O	|	|	|	|	0.01
306.750	0.00	0.00	0.010	O	|	|	|	|	0.01
306.833	0.00	0.00	0.010	O	|	|	|	|	0.01
306.917	0.00	0.00	0.010	O	|	|	|	|	0.01
307.000	0.00	0.00	0.010	O	|	|	|	|	0.01
307.083	0.00	0.00	0.010	O	|	|	|	|	0.01
307.167	0.00	0.00	0.010	O	|	|	|	|	0.01

307.250	0.00	0.00	0.010	O	|	|	|	|	0.01
307.333	0.00	0.00	0.010	O	|	|	|	|	0.01
307.417	0.00	0.00	0.009	O	|	|	|	|	0.01
307.500	0.00	0.00	0.009	O	|	|	|	|	0.01
307.583	0.00	0.00	0.009	O	|	|	|	|	0.01
307.667	0.00	0.00	0.009	O	|	|	|	|	0.01
307.750	0.00	0.00	0.009	O	|	|	|	|	0.01
307.833	0.00	0.00	0.009	O	|	|	|	|	0.01
307.917	0.00	0.00	0.009	O	|	|	|	|	0.01
308.000	0.00	0.00	0.009	O	|	|	|	|	0.01
308.083	0.00	0.00	0.009	O	|	|	|	|	0.01
308.167	0.00	0.00	0.009	O	|	|	|	|	0.01
308.250	0.00	0.00	0.009	O	|	|	|	|	0.01
308.333	0.00	0.00	0.009	O	|	|	|	|	0.01
308.417	0.00	0.00	0.009	O	|	|	|	|	0.01
308.500	0.00	0.00	0.009	O	|	|	|	|	0.01
308.583	0.00	0.00	0.009	O	|	|	|	|	0.01
308.667	0.00	0.00	0.009	O	|	|	|	|	0.01
308.750	0.00	0.00	0.009	O	|	|	|	|	0.01
308.833	0.00	0.00	0.009	O	|	|	|	|	0.01
308.917	0.00	0.00	0.009	O	|	|	|	|	0.01
309.000	0.00	0.00	0.009	O	|	|	|	|	0.01
309.083	0.00	0.00	0.009	O	|	|	|	|	0.01
309.167	0.00	0.00	0.009	O	|	|	|	|	0.01
309.250	0.00	0.00	0.009	O	|	|	|	|	0.01
309.333	0.00	0.00	0.009	O	|	|	|	|	0.01
309.417	0.00	0.00	0.009	O	|	|	|	|	0.01
309.500	0.00	0.00	0.009	O	|	|	|	|	0.01
309.583	0.00	0.00	0.009	O	|	|	|	|	0.01
309.667	0.00	0.00	0.009	O	|	|	|	|	0.01
309.750	0.00	0.00	0.009	O	|	|	|	|	0.01
309.833	0.00	0.00	0.009	O	|	|	|	|	0.01
309.917	0.00	0.00	0.009	O	|	|	|	|	0.01
310.000	0.00	0.00	0.009	O	|	|	|	|	0.01
310.083	0.00	0.00	0.009	O	|	|	|	|	0.01
310.167	0.00	0.00	0.009	O	|	|	|	|	0.01
310.250	0.00	0.00	0.009	O	|	|	|	|	0.01
310.333	0.00	0.00	0.009	O	|	|	|	|	0.01
310.417	0.00	0.00	0.009	O	|	|	|	|	0.01
310.500	0.00	0.00	0.009	O	|	|	|	|	0.01
310.583	0.00	0.00	0.009	O	|	|	|	|	0.01
310.667	0.00	0.00	0.009	O	|	|	|	|	0.01
310.750	0.00	0.00	0.009	O	|	|	|	|	0.01
310.833	0.00	0.00	0.009	O	|	|	|	|	0.01
310.917	0.00	0.00	0.009	O	|	|	|	|	0.01
311.000	0.00	0.00	0.009	O	|	|	|	|	0.01
311.083	0.00	0.00	0.009	O	|	|	|	|	0.01
311.167	0.00	0.00	0.009	O	|	|	|	|	0.01
311.250	0.00	0.00	0.009	O	|	|	|	|	0.01
311.333	0.00	0.00	0.009	O	|	|	|	|	0.01
311.417	0.00	0.00	0.009	O	|	|	|	|	0.01
311.500	0.00	0.00	0.009	O	|	|	|	|	0.01
311.583	0.00	0.00	0.008	O	|	|	|	|	0.01
311.667	0.00	0.00	0.008	O	|	|	|	|	0.01
311.750	0.00	0.00	0.008	O	|	|	|	|	0.01
311.833	0.00	0.00	0.008	O	|	|	|	|	0.01
311.917	0.00	0.00	0.008	O	|	|	|	|	0.01
312.000	0.00	0.00	0.008	O	|	|	|	|	0.01
312.083	0.00	0.00	0.008	O	|	|	|	|	0.01
312.167	0.00	0.00	0.008	O	|	|	|	|	0.01
312.250	0.00	0.00	0.008	O	|	|	|	|	0.01
312.333	0.00	0.00	0.008	O	|	|	|	|	0.01
312.417	0.00	0.00	0.008	O	|	|	|	|	0.01
312.500	0.00	0.00	0.008	O	|	|	|	|	0.01
312.583	0.00	0.00	0.008	O	|	|	|	|	0.01
312.667	0.00	0.00	0.008	O	|	|	|	|	0.01
312.750	0.00	0.00	0.008	O	|	|	|	|	0.01

312.833	0.00	0.00	0.008	O	|	|	|	|	0.01
312.917	0.00	0.00	0.008	O	|	|	|	|	0.01
313.000	0.00	0.00	0.008	O	|	|	|	|	0.01
313.083	0.00	0.00	0.008	O	|	|	|	|	0.01
313.167	0.00	0.00	0.008	O	|	|	|	|	0.01
313.250	0.00	0.00	0.008	O	|	|	|	|	0.01
313.333	0.00	0.00	0.008	O	|	|	|	|	0.01
313.417	0.00	0.00	0.008	O	|	|	|	|	0.01
313.500	0.00	0.00	0.008	O	|	|	|	|	0.01
313.583	0.00	0.00	0.008	O	|	|	|	|	0.01
313.667	0.00	0.00	0.008	O	|	|	|	|	0.01
313.750	0.00	0.00	0.008	O	|	|	|	|	0.01
313.833	0.00	0.00	0.008	O	|	|	|	|	0.01
313.917	0.00	0.00	0.008	O	|	|	|	|	0.01
314.000	0.00	0.00	0.008	O	|	|	|	|	0.01
314.083	0.00	0.00	0.008	O	|	|	|	|	0.01
314.167	0.00	0.00	0.008	O	|	|	|	|	0.01
314.250	0.00	0.00	0.008	O	|	|	|	|	0.01
314.333	0.00	0.00	0.008	O	|	|	|	|	0.01
314.417	0.00	0.00	0.008	O	|	|	|	|	0.01
314.500	0.00	0.00	0.008	O	|	|	|	|	0.01
314.583	0.00	0.00	0.008	O	|	|	|	|	0.01
314.667	0.00	0.00	0.008	O	|	|	|	|	0.01
314.750	0.00	0.00	0.008	O	|	|	|	|	0.01
314.833	0.00	0.00	0.008	O	|	|	|	|	0.01
314.917	0.00	0.00	0.008	O	|	|	|	|	0.01
315.000	0.00	0.00	0.008	O	|	|	|	|	0.01
315.083	0.00	0.00	0.008	O	|	|	|	|	0.01
315.167	0.00	0.00	0.008	O	|	|	|	|	0.01
315.250	0.00	0.00	0.008	O	|	|	|	|	0.01
315.333	0.00	0.00	0.008	O	|	|	|	|	0.01
315.417	0.00	0.00	0.008	O	|	|	|	|	0.01
315.500	0.00	0.00	0.008	O	|	|	|	|	0.01
315.583	0.00	0.00	0.008	O	|	|	|	|	0.01
315.667	0.00	0.00	0.008	O	|	|	|	|	0.01
315.750	0.00	0.00	0.008	O	|	|	|	|	0.01
315.833	0.00	0.00	0.008	O	|	|	|	|	0.01
315.917	0.00	0.00	0.008	O	|	|	|	|	0.01
316.000	0.00	0.00	0.008	O	|	|	|	|	0.01
316.083	0.00	0.00	0.008	O	|	|	|	|	0.01
316.167	0.00	0.00	0.008	O	|	|	|	|	0.01
316.250	0.00	0.00	0.007	O	|	|	|	|	0.01
316.333	0.00	0.00	0.007	O	|	|	|	|	0.01
316.417	0.00	0.00	0.007	O	|	|	|	|	0.01
316.500	0.00	0.00	0.007	O	|	|	|	|	0.01
316.583	0.00	0.00	0.007	O	|	|	|	|	0.01
316.667	0.00	0.00	0.007	O	|	|	|	|	0.01
316.750	0.00	0.00	0.007	O	|	|	|	|	0.01
316.833	0.00	0.00	0.007	O	|	|	|	|	0.01
316.917	0.00	0.00	0.007	O	|	|	|	|	0.01
317.000	0.00	0.00	0.007	O	|	|	|	|	0.01
317.083	0.00	0.00	0.007	O	|	|	|	|	0.01
317.167	0.00	0.00	0.007	O	|	|	|	|	0.01
317.250	0.00	0.00	0.007	O	|	|	|	|	0.01
317.333	0.00	0.00	0.007	O	|	|	|	|	0.01
317.417	0.00	0.00	0.007	O	|	|	|	|	0.01
317.500	0.00	0.00	0.007	O	|	|	|	|	0.00
317.583	0.00	0.00	0.007	O	|	|	|	|	0.00
317.667	0.00	0.00	0.007	O	|	|	|	|	0.00
317.750	0.00	0.00	0.007	O	|	|	|	|	0.00
317.833	0.00	0.00	0.007	O	|	|	|	|	0.00
317.917	0.00	0.00	0.007	O	|	|	|	|	0.00
318.000	0.00	0.00	0.007	O	|	|	|	|	0.00
318.083	0.00	0.00	0.007	O	|	|	|	|	0.00
318.167	0.00	0.00	0.007	O	|	|	|	|	0.00
318.250	0.00	0.00	0.007	O	|	|	|	|	0.00
318.333	0.00	0.00	0.007	O	|	|	|	|	0.00

318.417	0.00	0.00	0.007	O	|	|	|	0.00
318.500	0.00	0.00	0.007	O	|	|	|	0.00
318.583	0.00	0.00	0.007	O	|	|	|	0.00
318.667	0.00	0.00	0.007	O	|	|	|	0.00
318.750	0.00	0.00	0.007	O	|	|	|	0.00
318.833	0.00	0.00	0.007	O	|	|	|	0.00
318.917	0.00	0.00	0.007	O	|	|	|	0.00
319.000	0.00	0.00	0.007	O	|	|	|	0.00
319.083	0.00	0.00	0.007	O	|	|	|	0.00
319.167	0.00	0.00	0.007	O	|	|	|	0.00
319.250	0.00	0.00	0.007	O	|	|	|	0.00
319.333	0.00	0.00	0.007	O	|	|	|	0.00
319.417	0.00	0.00	0.007	O	|	|	|	0.00
319.500	0.00	0.00	0.007	O	|	|	|	0.00
319.583	0.00	0.00	0.007	O	|	|	|	0.00
319.667	0.00	0.00	0.007	O	|	|	|	0.00
319.750	0.00	0.00	0.007	O	|	|	|	0.00
319.833	0.00	0.00	0.007	O	|	|	|	0.00
319.917	0.00	0.00	0.007	O	|	|	|	0.00
320.000	0.00	0.00	0.007	O	|	|	|	0.00
320.083	0.00	0.00	0.007	O	|	|	|	0.00
320.167	0.00	0.00	0.007	O	|	|	|	0.00
320.250	0.00	0.00	0.007	O	|	|	|	0.00
320.333	0.00	0.00	0.007	O	|	|	|	0.00
320.417	0.00	0.00	0.007	O	|	|	|	0.00
320.500	0.00	0.00	0.007	O	|	|	|	0.00
320.583	0.00	0.00	0.007	O	|	|	|	0.00
320.667	0.00	0.00	0.007	O	|	|	|	0.00
320.750	0.00	0.00	0.007	O	|	|	|	0.00
320.833	0.00	0.00	0.007	O	|	|	|	0.00
320.917	0.00	0.00	0.007	O	|	|	|	0.00
321.000	0.00	0.00	0.007	O	|	|	|	0.00
321.083	0.00	0.00	0.007	O	|	|	|	0.00
321.167	0.00	0.00	0.007	O	|	|	|	0.00
321.250	0.00	0.00	0.007	O	|	|	|	0.00
321.333	0.00	0.00	0.007	O	|	|	|	0.00
321.417	0.00	0.00	0.007	O	|	|	|	0.00
321.500	0.00	0.00	0.007	O	|	|	|	0.00
321.583	0.00	0.00	0.006	O	|	|	|	0.00
321.667	0.00	0.00	0.006	O	|	|	|	0.00
321.750	0.00	0.00	0.006	O	|	|	|	0.00
321.833	0.00	0.00	0.006	O	|	|	|	0.00
321.917	0.00	0.00	0.006	O	|	|	|	0.00
322.000	0.00	0.00	0.006	O	|	|	|	0.00
322.083	0.00	0.00	0.006	O	|	|	|	0.00
322.167	0.00	0.00	0.006	O	|	|	|	0.00
322.250	0.00	0.00	0.006	O	|	|	|	0.00
322.333	0.00	0.00	0.006	O	|	|	|	0.00
322.417	0.00	0.00	0.006	O	|	|	|	0.00
322.500	0.00	0.00	0.006	O	|	|	|	0.00
322.583	0.00	0.00	0.006	O	|	|	|	0.00
322.667	0.00	0.00	0.006	O	|	|	|	0.00
322.750	0.00	0.00	0.006	O	|	|	|	0.00
322.833	0.00	0.00	0.006	O	|	|	|	0.00
322.917	0.00	0.00	0.006	O	|	|	|	0.00
323.000	0.00	0.00	0.006	O	|	|	|	0.00
323.083	0.00	0.00	0.006	O	|	|	|	0.00
323.167	0.00	0.00	0.006	O	|	|	|	0.00
323.250	0.00	0.00	0.006	O	|	|	|	0.00
323.333	0.00	0.00	0.006	O	|	|	|	0.00
323.417	0.00	0.00	0.006	O	|	|	|	0.00
323.500	0.00	0.00	0.006	O	|	|	|	0.00
323.583	0.00	0.00	0.006	O	|	|	|	0.00
323.667	0.00	0.00	0.006	O	|	|	|	0.00
323.750	0.00	0.00	0.006	O	|	|	|	0.00
323.833	0.00	0.00	0.006	O	|	|	|	0.00
323.917	0.00	0.00	0.006	O	|	|	|	0.00

324.000	0.00	0.00	0.006	O	|	|	|	0.00
324.083	0.00	0.00	0.006	O	|	|	|	0.00
324.167	0.00	0.00	0.006	O	|	|	|	0.00
324.250	0.00	0.00	0.006	O	|	|	|	0.00
324.333	0.00	0.00	0.006	O	|	|	|	0.00
324.417	0.00	0.00	0.006	O	|	|	|	0.00
324.500	0.00	0.00	0.006	O	|	|	|	0.00
324.583	0.00	0.00	0.006	O	|	|	|	0.00
324.667	0.00	0.00	0.006	O	|	|	|	0.00
324.750	0.00	0.00	0.006	O	|	|	|	0.00
324.833	0.00	0.00	0.006	O	|	|	|	0.00
324.917	0.00	0.00	0.006	O	|	|	|	0.00
325.000	0.00	0.00	0.006	O	|	|	|	0.00
325.083	0.00	0.00	0.006	O	|	|	|	0.00
325.167	0.00	0.00	0.006	O	|	|	|	0.00
325.250	0.00	0.00	0.006	O	|	|	|	0.00
325.333	0.00	0.00	0.006	O	|	|	|	0.00
325.417	0.00	0.00	0.006	O	|	|	|	0.00
325.500	0.00	0.00	0.006	O	|	|	|	0.00
325.583	0.00	0.00	0.006	O	|	|	|	0.00
325.667	0.00	0.00	0.006	O	|	|	|	0.00
325.750	0.00	0.00	0.006	O	|	|	|	0.00
325.833	0.00	0.00	0.006	O	|	|	|	0.00
325.917	0.00	0.00	0.006	O	|	|	|	0.00
326.000	0.00	0.00	0.006	O	|	|	|	0.00
326.083	0.00	0.00	0.006	O	|	|	|	0.00
326.167	0.00	0.00	0.006	O	|	|	|	0.00
326.250	0.00	0.00	0.006	O	|	|	|	0.00
326.333	0.00	0.00	0.006	O	|	|	|	0.00
326.417	0.00	0.00	0.006	O	|	|	|	0.00
326.500	0.00	0.00	0.006	O	|	|	|	0.00
326.583	0.00	0.00	0.006	O	|	|	|	0.00
326.667	0.00	0.00	0.006	O	|	|	|	0.00
326.750	0.00	0.00	0.006	O	|	|	|	0.00
326.833	0.00	0.00	0.006	O	|	|	|	0.00
326.917	0.00	0.00	0.006	O	|	|	|	0.00
327.000	0.00	0.00	0.006	O	|	|	|	0.00
327.083	0.00	0.00	0.006	O	|	|	|	0.00
327.167	0.00	0.00	0.006	O	|	|	|	0.00
327.250	0.00	0.00	0.006	O	|	|	|	0.00
327.333	0.00	0.00	0.006	O	|	|	|	0.00
327.417	0.00	0.00	0.006	O	|	|	|	0.00
327.500	0.00	0.00	0.006	O	|	|	|	0.00
327.583	0.00	0.00	0.006	O	|	|	|	0.00
327.667	0.00	0.00	0.006	O	|	|	|	0.00
327.750	0.00	0.00	0.006	O	|	|	|	0.00
327.833	0.00	0.00	0.005	O	|	|	|	0.00
327.917	0.00	0.00	0.005	O	|	|	|	0.00
328.000	0.00	0.00	0.005	O	|	|	|	0.00
328.083	0.00	0.00	0.005	O	|	|	|	0.00
328.167	0.00	0.00	0.005	O	|	|	|	0.00
328.250	0.00	0.00	0.005	O	|	|	|	0.00
328.333	0.00	0.00	0.005	O	|	|	|	0.00
328.417	0.00	0.00	0.005	O	|	|	|	0.00
328.500	0.00	0.00	0.005	O	|	|	|	0.00
328.583	0.00	0.00	0.005	O	|	|	|	0.00
328.667	0.00	0.00	0.005	O	|	|	|	0.00
328.750	0.00	0.00	0.005	O	|	|	|	0.00
328.833	0.00	0.00	0.005	O	|	|	|	0.00
328.917	0.00	0.00	0.005	O	|	|	|	0.00
329.000	0.00	0.00	0.005	O	|	|	|	0.00
329.083	0.00	0.00	0.005	O	|	|	|	0.00
329.167	0.00	0.00	0.005	O	|	|	|	0.00
329.250	0.00	0.00	0.005	O	|	|	|	0.00
329.333	0.00	0.00	0.005	O	|	|	|	0.00
329.417	0.00	0.00	0.005	O	|	|	|	0.00
329.500	0.00	0.00	0.005	O	|	|	|	0.00

329.583	0.00	0.00	0.005	O	|	|	|	0.00
329.667	0.00	0.00	0.005	O	|	|	|	0.00
329.750	0.00	0.00	0.005	O	|	|	|	0.00
329.833	0.00	0.00	0.005	O	|	|	|	0.00
329.917	0.00	0.00	0.005	O	|	|	|	0.00
330.000	0.00	0.00	0.005	O	|	|	|	0.00
330.083	0.00	0.00	0.005	O	|	|	|	0.00
330.167	0.00	0.00	0.005	O	|	|	|	0.00
330.250	0.00	0.00	0.005	O	|	|	|	0.00
330.333	0.00	0.00	0.005	O	|	|	|	0.00
330.417	0.00	0.00	0.005	O	|	|	|	0.00
330.500	0.00	0.00	0.005	O	|	|	|	0.00
330.583	0.00	0.00	0.005	O	|	|	|	0.00
330.667	0.00	0.00	0.005	O	|	|	|	0.00
330.750	0.00	0.00	0.005	O	|	|	|	0.00
330.833	0.00	0.00	0.005	O	|	|	|	0.00
330.917	0.00	0.00	0.005	O	|	|	|	0.00
331.000	0.00	0.00	0.005	O	|	|	|	0.00
331.083	0.00	0.00	0.005	O	|	|	|	0.00
331.167	0.00	0.00	0.005	O	|	|	|	0.00
331.250	0.00	0.00	0.005	O	|	|	|	0.00
331.333	0.00	0.00	0.005	O	|	|	|	0.00
331.417	0.00	0.00	0.005	O	|	|	|	0.00
331.500	0.00	0.00	0.005	O	|	|	|	0.00
331.583	0.00	0.00	0.005	O	|	|	|	0.00
331.667	0.00	0.00	0.005	O	|	|	|	0.00
331.750	0.00	0.00	0.005	O	|	|	|	0.00
331.833	0.00	0.00	0.005	O	|	|	|	0.00
331.917	0.00	0.00	0.005	O	|	|	|	0.00
332.000	0.00	0.00	0.005	O	|	|	|	0.00
332.083	0.00	0.00	0.005	O	|	|	|	0.00
332.167	0.00	0.00	0.005	O	|	|	|	0.00
332.250	0.00	0.00	0.005	O	|	|	|	0.00
332.333	0.00	0.00	0.005	O	|	|	|	0.00
332.417	0.00	0.00	0.005	O	|	|	|	0.00
332.500	0.00	0.00	0.005	O	|	|	|	0.00
332.583	0.00	0.00	0.005	O	|	|	|	0.00
332.667	0.00	0.00	0.005	O	|	|	|	0.00
332.750	0.00	0.00	0.005	O	|	|	|	0.00
332.833	0.00	0.00	0.005	O	|	|	|	0.00
332.917	0.00	0.00	0.005	O	|	|	|	0.00
333.000	0.00	0.00	0.005	O	|	|	|	0.00
333.083	0.00	0.00	0.005	O	|	|	|	0.00
333.167	0.00	0.00	0.005	O	|	|	|	0.00
333.250	0.00	0.00	0.005	O	|	|	|	0.00
333.333	0.00	0.00	0.005	O	|	|	|	0.00
333.417	0.00	0.00	0.005	O	|	|	|	0.00
333.500	0.00	0.00	0.005	O	|	|	|	0.00
333.583	0.00	0.00	0.005	O	|	|	|	0.00
333.667	0.00	0.00	0.005	O	|	|	|	0.00
333.750	0.00	0.00	0.005	O	|	|	|	0.00
333.833	0.00	0.00	0.005	O	|	|	|	0.00
333.917	0.00	0.00	0.005	O	|	|	|	0.00
334.000	0.00	0.00	0.005	O	|	|	|	0.00
334.083	0.00	0.00	0.005	O	|	|	|	0.00
334.167	0.00	0.00	0.005	O	|	|	|	0.00
334.250	0.00	0.00	0.005	O	|	|	|	0.00
334.333	0.00	0.00	0.005	O	|	|	|	0.00
334.417	0.00	0.00	0.005	O	|	|	|	0.00
334.500	0.00	0.00	0.005	O	|	|	|	0.00
334.583	0.00	0.00	0.005	O	|	|	|	0.00
334.667	0.00	0.00	0.005	O	|	|	|	0.00
334.750	0.00	0.00	0.005	O	|	|	|	0.00
334.833	0.00	0.00	0.005	O	|	|	|	0.00
334.917	0.00	0.00	0.005	O	|	|	|	0.00
335.000	0.00	0.00	0.005	O	|	|	|	0.00
335.083	0.00	0.00	0.005	O	|	|	|	0.00

335.167	0.00	0.00	0.005	O				0.00
335.250	0.00	0.00	0.005	O				0.00
335.333	0.00	0.00	0.004	O				0.00
335.417	0.00	0.00	0.004	O				0.00
335.500	0.00	0.00	0.004	O				0.00
335.583	0.00	0.00	0.004	O				0.00
335.667	0.00	0.00	0.004	O				0.00
335.750	0.00	0.00	0.004	O				0.00
335.833	0.00	0.00	0.004	O				0.00
335.917	0.00	0.00	0.004	O				0.00
336.000	0.00	0.00	0.004	O				0.00
336.083	0.00	0.00	0.004	O				0.00
336.167	0.00	0.00	0.004	O				0.00
336.250	0.00	0.00	0.004	O				0.00
336.333	0.00	0.00	0.004	O				0.00
336.417	0.00	0.00	0.004	O				0.00
336.500	0.00	0.00	0.004	O				0.00
336.583	0.00	0.00	0.004	O				0.00
336.667	0.00	0.00	0.004	O				0.00
336.750	0.00	0.00	0.004	O				0.00
336.833	0.00	0.00	0.004	O				0.00
336.917	0.00	0.00	0.004	O				0.00
337.000	0.00	0.00	0.004	O				0.00
337.083	0.00	0.00	0.004	O				0.00
337.167	0.00	0.00	0.004	O				0.00
337.250	0.00	0.00	0.004	O				0.00
337.333	0.00	0.00	0.004	O				0.00
337.417	0.00	0.00	0.004	O				0.00
337.500	0.00	0.00	0.004	O				0.00
337.583	0.00	0.00	0.004	O				0.00
337.667	0.00	0.00	0.004	O				0.00
337.750	0.00	0.00	0.004	O				0.00
337.833	0.00	0.00	0.004	O				0.00
337.917	0.00	0.00	0.004	O				0.00
338.000	0.00	0.00	0.004	O				0.00
338.083	0.00	0.00	0.004	O				0.00
338.167	0.00	0.00	0.004	O				0.00
338.250	0.00	0.00	0.004	O				0.00
338.333	0.00	0.00	0.004	O				0.00
338.417	0.00	0.00	0.004	O				0.00
338.500	0.00	0.00	0.004	O				0.00
338.583	0.00	0.00	0.004	O				0.00
338.667	0.00	0.00	0.004	O				0.00
338.750	0.00	0.00	0.004	O				0.00
338.833	0.00	0.00	0.004	O				0.00
338.917	0.00	0.00	0.004	O				0.00
339.000	0.00	0.00	0.004	O				0.00
339.083	0.00	0.00	0.004	O				0.00
339.167	0.00	0.00	0.004	O				0.00
339.250	0.00	0.00	0.004	O				0.00
339.333	0.00	0.00	0.004	O				0.00
339.417	0.00	0.00	0.004	O				0.00
339.500	0.00	0.00	0.004	O				0.00
339.583	0.00	0.00	0.004	O				0.00
339.667	0.00	0.00	0.004	O				0.00
339.750	0.00	0.00	0.004	O				0.00
339.833	0.00	0.00	0.004	O				0.00
339.917	0.00	0.00	0.004	O				0.00
340.000	0.00	0.00	0.004	O				0.00
340.083	0.00	0.00	0.004	O				0.00
340.167	0.00	0.00	0.004	O				0.00
340.250	0.00	0.00	0.004	O				0.00
340.333	0.00	0.00	0.004	O				0.00
340.417	0.00	0.00	0.004	O				0.00
340.500	0.00	0.00	0.004	O				0.00
340.583	0.00	0.00	0.004	O				0.00
340.667	0.00	0.00	0.004	O				0.00

340.750	0.00	0.00	0.004	O	|	|	|	0.00
340.833	0.00	0.00	0.004	O	|	|	|	0.00
340.917	0.00	0.00	0.004	O	|	|	|	0.00
341.000	0.00	0.00	0.004	O	|	|	|	0.00
341.083	0.00	0.00	0.004	O	|	|	|	0.00
341.167	0.00	0.00	0.004	O	|	|	|	0.00
341.250	0.00	0.00	0.004	O	|	|	|	0.00
341.333	0.00	0.00	0.004	O	|	|	|	0.00
341.417	0.00	0.00	0.004	O	|	|	|	0.00
341.500	0.00	0.00	0.004	O	|	|	|	0.00
341.583	0.00	0.00	0.004	O	|	|	|	0.00
341.667	0.00	0.00	0.004	O	|	|	|	0.00
341.750	0.00	0.00	0.004	O	|	|	|	0.00
341.833	0.00	0.00	0.004	O	|	|	|	0.00
341.917	0.00	0.00	0.004	O	|	|	|	0.00
342.000	0.00	0.00	0.004	O	|	|	|	0.00
342.083	0.00	0.00	0.004	O	|	|	|	0.00
342.167	0.00	0.00	0.004	O	|	|	|	0.00
342.250	0.00	0.00	0.004	O	|	|	|	0.00
342.333	0.00	0.00	0.004	O	|	|	|	0.00
342.417	0.00	0.00	0.004	O	|	|	|	0.00
342.500	0.00	0.00	0.004	O	|	|	|	0.00
342.583	0.00	0.00	0.004	O	|	|	|	0.00
342.667	0.00	0.00	0.004	O	|	|	|	0.00
342.750	0.00	0.00	0.004	O	|	|	|	0.00
342.833	0.00	0.00	0.004	O	|	|	|	0.00
342.917	0.00	0.00	0.004	O	|	|	|	0.00
343.000	0.00	0.00	0.004	O	|	|	|	0.00
343.083	0.00	0.00	0.004	O	|	|	|	0.00
343.167	0.00	0.00	0.004	O	|	|	|	0.00
343.250	0.00	0.00	0.004	O	|	|	|	0.00
343.333	0.00	0.00	0.004	O	|	|	|	0.00
343.417	0.00	0.00	0.004	O	|	|	|	0.00
343.500	0.00	0.00	0.004	O	|	|	|	0.00
343.583	0.00	0.00	0.004	O	|	|	|	0.00
343.667	0.00	0.00	0.004	O	|	|	|	0.00
343.750	0.00	0.00	0.004	O	|	|	|	0.00
343.833	0.00	0.00	0.004	O	|	|	|	0.00
343.917	0.00	0.00	0.004	O	|	|	|	0.00
344.000	0.00	0.00	0.004	O	|	|	|	0.00
344.083	0.00	0.00	0.004	O	|	|	|	0.00
344.167	0.00	0.00	0.004	O	|	|	|	0.00
344.250	0.00	0.00	0.004	O	|	|	|	0.00
344.333	0.00	0.00	0.004	O	|	|	|	0.00
344.417	0.00	0.00	0.004	O	|	|	|	0.00
344.500	0.00	0.00	0.004	O	|	|	|	0.00
344.583	0.00	0.00	0.004	O	|	|	|	0.00
344.667	0.00	0.00	0.003	O	|	|	|	0.00
344.750	0.00	0.00	0.003	O	|	|	|	0.00
344.833	0.00	0.00	0.003	O	|	|	|	0.00
344.917	0.00	0.00	0.003	O	|	|	|	0.00
345.000	0.00	0.00	0.003	O	|	|	|	0.00
345.083	0.00	0.00	0.003	O	|	|	|	0.00
345.167	0.00	0.00	0.003	O	|	|	|	0.00
345.250	0.00	0.00	0.003	O	|	|	|	0.00
345.333	0.00	0.00	0.003	O	|	|	|	0.00
345.417	0.00	0.00	0.003	O	|	|	|	0.00
345.500	0.00	0.00	0.003	O	|	|	|	0.00
345.583	0.00	0.00	0.003	O	|	|	|	0.00
345.667	0.00	0.00	0.003	O	|	|	|	0.00
345.750	0.00	0.00	0.003	O	|	|	|	0.00
345.833	0.00	0.00	0.003	O	|	|	|	0.00
345.917	0.00	0.00	0.003	O	|	|	|	0.00
346.000	0.00	0.00	0.003	O	|	|	|	0.00
346.083	0.00	0.00	0.003	O	|	|	|	0.00
346.167	0.00	0.00	0.003	O	|	|	|	0.00
346.250	0.00	0.00	0.003	O	|	|	|	0.00

346.333	0.00	0.00	0.003	O	|	|	|	|	0.00
346.417	0.00	0.00	0.003	O	|	|	|	|	0.00
346.500	0.00	0.00	0.003	O	|	|	|	|	0.00
346.583	0.00	0.00	0.003	O	|	|	|	|	0.00
346.667	0.00	0.00	0.003	O	|	|	|	|	0.00
346.750	0.00	0.00	0.003	O	|	|	|	|	0.00
346.833	0.00	0.00	0.003	O	|	|	|	|	0.00
346.917	0.00	0.00	0.003	O	|	|	|	|	0.00
347.000	0.00	0.00	0.003	O	|	|	|	|	0.00
347.083	0.00	0.00	0.003	O	|	|	|	|	0.00
347.167	0.00	0.00	0.003	O	|	|	|	|	0.00
347.250	0.00	0.00	0.003	O	|	|	|	|	0.00
347.333	0.00	0.00	0.003	O	|	|	|	|	0.00
347.417	0.00	0.00	0.003	O	|	|	|	|	0.00
347.500	0.00	0.00	0.003	O	|	|	|	|	0.00
347.583	0.00	0.00	0.003	O	|	|	|	|	0.00
347.667	0.00	0.00	0.003	O	|	|	|	|	0.00
347.750	0.00	0.00	0.003	O	|	|	|	|	0.00
347.833	0.00	0.00	0.003	O	|	|	|	|	0.00
347.917	0.00	0.00	0.003	O	|	|	|	|	0.00
348.000	0.00	0.00	0.003	O	|	|	|	|	0.00
348.083	0.00	0.00	0.003	O	|	|	|	|	0.00
348.167	0.00	0.00	0.003	O	|	|	|	|	0.00
348.250	0.00	0.00	0.003	O	|	|	|	|	0.00
348.333	0.00	0.00	0.003	O	|	|	|	|	0.00
348.417	0.00	0.00	0.003	O	|	|	|	|	0.00
348.500	0.00	0.00	0.003	O	|	|	|	|	0.00
348.583	0.00	0.00	0.003	O	|	|	|	|	0.00
348.667	0.00	0.00	0.003	O	|	|	|	|	0.00
348.750	0.00	0.00	0.003	O	|	|	|	|	0.00
348.833	0.00	0.00	0.003	O	|	|	|	|	0.00
348.917	0.00	0.00	0.003	O	|	|	|	|	0.00
349.000	0.00	0.00	0.003	O	|	|	|	|	0.00
349.083	0.00	0.00	0.003	O	|	|	|	|	0.00
349.167	0.00	0.00	0.003	O	|	|	|	|	0.00
349.250	0.00	0.00	0.003	O	|	|	|	|	0.00
349.333	0.00	0.00	0.003	O	|	|	|	|	0.00
349.417	0.00	0.00	0.003	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 4193
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 27.354 (CFS)
Total volume = 23.190 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/20/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRH1100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 19
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 243.348 (CFS)
Total volume = 7.777 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN H- ROUTING
100YR-1HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 19
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.450	0.470	1.448	1.452
2.000	3.000	0.710	2.998	3.002
3.000	4.660	1.690	4.654	4.666
4.000	6.440	2.170	6.433	6.447
5.000	8.330	2.560	8.321	8.339
6.000	10.330	2.890	10.320	10.340
7.000	12.460	3.190	12.449	12.471
8.000	14.710	3.460	14.698	14.722
9.000	17.150	83.630	16.862	17.438

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 60.8 121.67 182.51 243.35	Depth (Ft.)
0.083	6.32	0.01	0.022	O | | | |	0.02

0.167	23.71	0.04	0.125	O	I	|	|	|	|	0.09
0.250	33.36	0.10	0.321	O	I	|	|	|	|	0.22
0.333	38.92	0.18	0.569	O	I	|	|	|	|	0.39
0.417	44.58	0.28	0.855	O	I	|	|	|	|	0.59
0.500	51.68	0.38	1.184	O	I	|	|	|	|	0.82
0.583	61.38	0.49	1.570	O	I	|	|	|	|	1.08
0.667	73.37	0.56	2.031	O	I	|	|	|	|	1.37
0.750	101.27	0.65	2.628	O	I	|	|	|	|	1.76
0.833	182.43	1.06	3.599	O	I	|	|	|	|	2.36
0.917	243.35	1.80	5.055	O	I	|	|	|	|	3.22
1.000	125.05	2.14	6.310	O	I	|	|	|	|	3.93
1.083	68.68	2.28	6.962	O	I	|	|	|	|	4.28
1.167	33.42	2.35	7.298	O	I	|	|	|	|	4.45
1.250	19.64	2.38	7.464	O	I	|	|	|	|	4.54
1.333	11.96	2.40	7.557	O	I	|	|	|	|	4.59
1.417	7.85	2.41	7.608	O	I	|	|	|	|	4.62
1.500	**1.73**	**2.41**	**7.625**	**O**	|	|	|	|	|	**4.63**
1.583	0.54	2.41	7.616	O	|	|	|	|	|	4.62
1.667	0.00	2.41	7.601	O	|	|	|	|	|	4.61
1.750	0.00	2.41	7.585	O	|	|	|	|	|	4.61
1.833	0.00	2.40	7.568	O	|	|	|	|	|	4.60
1.917	0.00	2.40	7.551	O	|	|	|	|	|	4.59
2.000	0.00	2.40	7.535	O	|	|	|	|	|	4.58
2.083	0.00	2.39	7.518	O	|	|	|	|	|	4.57
2.167	0.00	2.39	7.502	O	|	|	|	|	|	4.56
2.250	0.00	2.39	7.486	O	|	|	|	|	|	4.55
2.333	0.00	2.38	7.469	O	|	|	|	|	|	4.54
2.417	0.00	2.38	7.453	O	|	|	|	|	|	4.54
2.500	0.00	2.38	7.436	O	|	|	|	|	|	4.53
2.583	0.00	2.37	7.420	O	|	|	|	|	|	4.52
2.667	0.00	2.37	7.404	O	|	|	|	|	|	4.51
2.750	0.00	2.37	7.387	O	|	|	|	|	|	4.50
2.833	0.00	2.36	7.371	O	|	|	|	|	|	4.49
2.917	0.00	2.36	7.355	O	|	|	|	|	|	4.48
3.000	0.00	2.36	7.339	O	|	|	|	|	|	4.48
3.083	0.00	2.35	7.322	O	|	|	|	|	|	4.47
3.167	0.00	2.35	7.306	O	|	|	|	|	|	4.46
3.250	0.00	2.35	7.290	O	|	|	|	|	|	4.45
3.333	0.00	2.34	7.274	O	|	|	|	|	|	4.44
3.417	0.00	2.34	7.258	O	|	|	|	|	|	4.43
3.500	0.00	2.34	7.242	O	|	|	|	|	|	4.42
3.583	0.00	2.33	7.226	O	|	|	|	|	|	4.42
3.667	0.00	2.33	7.210	O	|	|	|	|	|	4.41
3.750	0.00	2.33	7.194	O	|	|	|	|	|	4.40
3.833	0.00	2.32	7.178	O	|	|	|	|	|	4.39
3.917	0.00	2.32	7.162	O	|	|	|	|	|	4.38
4.000	0.00	2.32	7.146	O	|	|	|	|	|	4.37
4.083	0.00	2.31	7.130	O	|	|	|	|	|	4.36
4.167	0.00	2.31	7.114	O	|	|	|	|	|	4.36
4.250	0.00	2.31	7.098	O	|	|	|	|	|	4.35
4.333	0.00	2.30	7.082	O	|	|	|	|	|	4.34
4.417	0.00	2.30	7.066	O	|	|	|	|	|	4.33
4.500	0.00	2.30	7.050	O	|	|	|	|	|	4.32
4.583	0.00	2.29	7.035	O	|	|	|	|	|	4.31
4.667	0.00	2.29	7.019	O	|	|	|	|	|	4.31
4.750	0.00	2.29	7.003	O	|	|	|	|	|	4.30
4.833	0.00	2.28	6.987	O	|	|	|	|	|	4.29
4.917	0.00	2.28	6.972	O	|	|	|	|	|	4.28
5.000	0.00	2.28	6.956	O	|	|	|	|	|	4.27
5.083	0.00	2.27	6.940	O	|	|	|	|	|	4.26
5.167	0.00	2.27	6.925	O	|	|	|	|	|	4.26
5.250	0.00	2.27	6.909	O	|	|	|	|	|	4.25
5.333	0.00	2.26	6.893	O	|	|	|	|	|	4.24
5.417	0.00	2.26	6.878	O	|	|	|	|	|	4.23
5.500	0.00	2.26	6.862	O	|	|	|	|	|	4.22
5.583	0.00	2.25	6.847	O	|	|	|	|	|	4.22
5.667	0.00	2.25	6.831	O	|	|	|	|	|	4.21

5.750	0.00	2.25	6.816	O	|	|	|	4.20
5.833	0.00	2.24	6.800	O	|	|	|	4.19
5.917	0.00	2.24	6.785	O	|	|	|	4.18
6.000	0.00	2.24	6.769	O	|	|	|	4.17
6.083	0.00	2.23	6.754	O	|	|	|	4.17
6.167	0.00	2.23	6.739	O	|	|	|	4.16
6.250	0.00	2.23	6.723	O	|	|	|	4.15
6.333	0.00	2.23	6.708	O	|	|	|	4.14
6.417	0.00	2.22	6.693	O	|	|	|	4.13
6.500	0.00	2.22	6.677	O	|	|	|	4.13
6.583	0.00	2.22	6.662	O	|	|	|	4.12
6.667	0.00	2.21	6.647	O	|	|	|	4.11
6.750	0.00	2.21	6.631	O	|	|	|	4.10
6.833	0.00	2.21	6.616	O	|	|	|	4.09
6.917	0.00	2.20	6.601	O	|	|	|	4.09
7.000	0.00	2.20	6.586	O	|	|	|	4.08
7.083	0.00	2.20	6.571	O	|	|	|	4.07
7.167	0.00	2.19	6.556	O	|	|	|	4.06
7.250	0.00	2.19	6.541	O	|	|	|	4.05
7.333	0.00	2.19	6.525	O	|	|	|	4.05
7.417	0.00	2.18	6.510	O	|	|	|	4.04
7.500	0.00	2.18	6.495	O	|	|	|	4.03
7.583	0.00	2.18	6.480	O	|	|	|	4.02
7.667	0.00	2.18	6.465	O	|	|	|	4.01
7.750	0.00	2.17	6.450	O	|	|	|	4.01
7.833	0.00	2.17	6.435	O	|	|	|	4.00
7.917	0.00	2.16	6.421	O	|	|	|	3.99
8.000	0.00	2.16	6.406	O	|	|	|	3.98
8.083	0.00	2.16	6.391	O	|	|	|	3.97
8.167	0.00	2.15	6.376	O	|	|	|	3.96
8.250	0.00	2.15	6.361	O	|	|	|	3.96
8.333	0.00	2.14	6.346	O	|	|	|	3.95
8.417	0.00	2.14	6.332	O	|	|	|	3.94
8.500	0.00	2.14	6.317	O	|	|	|	3.93
8.583	0.00	2.13	6.302	O	|	|	|	3.92
8.667	0.00	2.13	6.287	O	|	|	|	3.91
8.750	0.00	2.12	6.273	O	|	|	|	3.91
8.833	0.00	2.12	6.258	O	|	|	|	3.90
8.917	0.00	2.12	6.244	O	|	|	|	3.89
9.000	0.00	2.11	6.229	O	|	|	|	3.88
9.083	0.00	2.11	6.215	O	|	|	|	3.87
9.167	0.00	2.11	6.200	O	|	|	|	3.87
9.250	0.00	2.10	6.186	O	|	|	|	3.86
9.333	0.00	2.10	6.171	O	|	|	|	3.85
9.417	0.00	2.09	6.157	O	|	|	|	3.84
9.500	0.00	2.09	6.142	O	|	|	|	3.83
9.583	0.00	2.09	6.128	O	|	|	|	3.82
9.667	0.00	2.08	6.113	O	|	|	|	3.82
9.750	0.00	2.08	6.099	O	|	|	|	3.81
9.833	0.00	2.07	6.085	O	|	|	|	3.80
9.917	0.00	2.07	6.071	O	|	|	|	3.79
10.000	0.00	2.07	6.056	O	|	|	|	3.78
10.083	0.00	2.06	6.042	O	|	|	|	3.78
10.167	0.00	2.06	6.028	O	|	|	|	3.77
10.250	0.00	2.06	6.014	O	|	|	|	3.76
10.333	0.00	2.05	6.000	O	|	|	|	3.75
10.417	0.00	2.05	5.986	O	|	|	|	3.74
10.500	0.00	2.04	5.971	O	|	|	|	3.74
10.583	0.00	2.04	5.957	O	|	|	|	3.73
10.667	0.00	2.04	5.943	O	|	|	|	3.72
10.750	0.00	2.03	5.929	O	|	|	|	3.71
10.833	0.00	2.03	5.915	O	|	|	|	3.71
10.917	0.00	2.02	5.901	O	|	|	|	3.70
11.000	0.00	2.02	5.887	O	|	|	|	3.69
11.083	0.00	2.02	5.874	O	|	|	|	3.68
11.167	0.00	2.01	5.860	O	|	|	|	3.67
11.250	0.00	2.01	5.846	O	|	|	|	3.67

11.333	0.00	2.01	5.832	O	|	|	|	|	3.66
11.417	0.00	2.00	5.818	O	|	|	|	|	3.65
11.500	0.00	2.00	5.804	O	|	|	|	|	3.64
11.583	0.00	1.99	5.791	O	|	|	|	|	3.64
11.667	0.00	1.99	5.777	O	|	|	|	|	3.63
11.750	0.00	1.99	5.763	O	|	|	|	|	3.62
11.833	0.00	1.98	5.750	O	|	|	|	|	3.61
11.917	0.00	1.98	5.736	O	|	|	|	|	3.60
12.000	0.00	1.98	5.722	O	|	|	|	|	3.60
12.083	0.00	1.97	5.709	O	|	|	|	|	3.59
12.167	0.00	1.97	5.695	O	|	|	|	|	3.58
12.250	0.00	1.97	5.682	O	|	|	|	|	3.57
12.333	0.00	1.96	5.668	O	|	|	|	|	3.57
12.417	0.00	1.96	5.655	O	|	|	|	|	3.56
12.500	0.00	1.95	5.641	O	|	|	|	|	3.55
12.583	0.00	1.95	5.628	O	|	|	|	|	3.54
12.667	0.00	1.95	5.614	O	|	|	|	|	3.54
12.750	0.00	1.94	5.601	O	|	|	|	|	3.53
12.833	0.00	1.94	5.587	O	|	|	|	|	3.52
12.917	0.00	1.94	5.574	O	|	|	|	|	3.51
13.000	0.00	1.93	5.561	O	|	|	|	|	3.51
13.083	0.00	1.93	5.547	O	|	|	|	|	3.50
13.167	0.00	1.93	5.534	O	|	|	|	|	3.49
13.250	0.00	1.92	5.521	O	|	|	|	|	3.48
13.333	0.00	1.92	5.508	O	|	|	|	|	3.48
13.417	0.00	1.92	5.494	O	|	|	|	|	3.47
13.500	0.00	1.91	5.481	O	|	|	|	|	3.46
13.583	0.00	1.91	5.468	O	|	|	|	|	3.45
13.667	0.00	1.90	5.455	O	|	|	|	|	3.45
13.750	0.00	1.90	5.442	O	|	|	|	|	3.44
13.833	0.00	1.90	5.429	O	|	|	|	|	3.43
13.917	0.00	1.89	5.416	O	|	|	|	|	3.42
14.000	0.00	1.89	5.403	O	|	|	|	|	3.42
14.083	0.00	1.89	5.390	O	|	|	|	|	3.41
14.167	0.00	1.88	5.377	O	|	|	|	|	3.40
14.250	0.00	1.88	5.364	O	|	|	|	|	3.40
14.333	0.00	1.88	5.351	O	|	|	|	|	3.39
14.417	0.00	1.87	5.338	O	|	|	|	|	3.38
14.500	0.00	1.87	5.325	O	|	|	|	|	3.37
14.583	0.00	1.87	5.312	O	|	|	|	|	3.37
14.667	0.00	1.86	5.299	O	|	|	|	|	3.36
14.750	0.00	1.86	5.287	O	|	|	|	|	3.35
14.833	0.00	1.86	5.274	O	|	|	|	|	3.34
14.917	0.00	1.85	5.261	O	|	|	|	|	3.34
15.000	0.00	1.85	5.248	O	|	|	|	|	3.33
15.083	0.00	1.85	5.236	O	|	|	|	|	3.32
15.167	0.00	1.84	5.223	O	|	|	|	|	3.32
15.250	0.00	1.84	5.210	O	|	|	|	|	3.31
15.333	0.00	1.83	5.198	O	|	|	|	|	3.30
15.417	0.00	1.83	5.185	O	|	|	|	|	3.29
15.500	0.00	1.83	5.172	O	|	|	|	|	3.29
15.583	0.00	1.82	5.160	O	|	|	|	|	3.28
15.667	0.00	1.82	5.147	O	|	|	|	|	3.27
15.750	0.00	1.82	5.135	O	|	|	|	|	3.27
15.833	0.00	1.81	5.122	O	|	|	|	|	3.26
15.917	0.00	1.81	5.110	O	|	|	|	|	3.25
16.000	0.00	1.81	5.097	O	|	|	|	|	3.25
16.083	0.00	1.80	5.085	O	|	|	|	|	3.24
16.167	0.00	1.80	5.072	O	|	|	|	|	3.23
16.250	0.00	1.80	5.060	O	|	|	|	|	3.22
16.333	0.00	1.79	5.048	O	|	|	|	|	3.22
16.417	0.00	1.79	5.035	O	|	|	|	|	3.21
16.500	0.00	1.79	5.023	O	|	|	|	|	3.20
16.583	0.00	1.78	5.011	O	|	|	|	|	3.20
16.667	0.00	1.78	4.998	O	|	|	|	|	3.19
16.750	0.00	1.78	4.986	O	|	|	|	|	3.18
16.833	0.00	1.77	4.974	O	|	|	|	|	3.18

16.917	0.00	1.77	4.962	O					3.17
17.000	0.00	1.77	4.949	O					3.16
17.083	0.00	1.76	4.937	O					3.16
17.167	0.00	1.76	4.925	O					3.15
17.250	0.00	1.76	4.913	O					3.14
17.333	0.00	1.75	4.901	O					3.14
17.417	0.00	1.75	4.889	O					3.13
17.500	0.00	1.75	4.877	O					3.12
17.583	0.00	1.75	4.865	O					3.12
17.667	0.00	1.74	4.853	O					3.11
17.750	0.00	1.74	4.841	O					3.10
17.833	0.00	1.74	4.829	O					3.09
17.917	0.00	1.73	4.817	O					3.09
18.000	0.00	1.73	4.805	O					3.08
18.083	0.00	1.73	4.793	O					3.07
18.167	0.00	1.72	4.781	O					3.07
18.250	0.00	1.72	4.769	O					3.06
18.333	0.00	1.72	4.757	O					3.05
18.417	0.00	1.71	4.746	O					3.05
18.500	0.00	1.71	4.734	O					3.04
18.583	0.00	1.71	4.722	O					3.03
18.667	0.00	1.70	4.710	O					3.03
18.750	0.00	1.70	4.699	O					3.02
18.833	0.00	1.70	4.687	O					3.02
18.917	0.00	1.69	4.675	O					3.01
19.000	0.00	1.69	4.664	O					3.00
19.083	0.00	1.69	4.652	O					3.00
19.167	0.00	1.68	4.640	O					2.99
19.250	0.00	1.67	4.629	O					2.98
19.333	0.00	1.66	4.617	O					2.97
19.417	0.00	1.66	4.606	O					2.97
19.500	0.00	1.65	4.595	O					2.96
19.583	0.00	1.64	4.583	O					2.95
19.667	0.00	1.64	4.572	O					2.95
19.750	0.00	1.63	4.561	O					2.94
19.833	0.00	1.62	4.549	O					2.93
19.917	0.00	1.62	4.538	O					2.93
20.000	0.00	1.61	4.527	O					2.92
20.083	0.00	1.61	4.516	O					2.91
20.167	0.00	1.60	4.505	O					2.91
20.250	0.00	1.59	4.494	O					2.90
20.333	0.00	1.59	4.483	O					2.89
20.417	0.00	1.58	4.472	O					2.89
20.500	0.00	1.57	4.461	O					2.88
20.583	0.00	1.57	4.451	O					2.87
20.667	0.00	1.56	4.440	O					2.87
20.750	0.00	1.55	4.429	O					2.86
20.833	0.00	1.55	4.418	O					2.85
20.917	0.00	1.54	4.408	O					2.85
21.000	0.00	1.53	4.397	O					2.84
21.083	0.00	1.53	4.387	O					2.84
21.167	0.00	1.52	4.376	O					2.83
21.250	0.00	1.52	4.366	O					2.82
21.333	0.00	1.51	4.355	O					2.82
21.417	0.00	1.50	4.345	O					2.81
21.500	0.00	1.50	4.334	O					2.80
21.583	0.00	1.49	4.324	O					2.80
21.667	0.00	1.49	4.314	O					2.79
21.750	0.00	1.48	4.304	O					2.79
21.833	0.00	1.47	4.294	O					2.78
21.917	0.00	1.47	4.283	O					2.77
22.000	0.00	1.46	4.273	O					2.77
22.083	0.00	1.46	4.263	O					2.76
22.167	0.00	1.45	4.253	O					2.75
22.250	0.00	1.44	4.243	O					2.75
22.333	0.00	1.44	4.233	O					2.74
22.417	0.00	1.43	4.223	O					2.74

22.500	0.00	1.43	4.214	O	|	|	|	|	2.73
22.583	0.00	1.42	4.204	O	|	|	|	|	2.73
22.667	0.00	1.41	4.194	O	|	|	|	|	2.72
22.750	0.00	1.41	4.184	O	|	|	|	|	2.71
22.833	0.00	1.40	4.175	O	|	|	|	|	2.71
22.917	0.00	1.40	4.165	O	|	|	|	|	2.70
23.000	0.00	1.39	4.155	O	|	|	|	|	2.70
23.083	0.00	1.39	4.146	O	|	|	|	|	2.69
23.167	0.00	1.38	4.136	O	|	|	|	|	2.68
23.250	0.00	1.38	4.127	O	|	|	|	|	2.68
23.333	0.00	1.37	4.117	O	|	|	|	|	2.67
23.417	0.00	1.36	4.108	O	|	|	|	|	2.67
23.500	0.00	1.36	4.099	O	|	|	|	|	2.66
23.583	0.00	1.35	4.089	O	|	|	|	|	2.66
23.667	0.00	1.35	4.080	O	|	|	|	|	2.65
23.750	0.00	1.34	4.071	O	|	|	|	|	2.64
23.833	0.00	1.34	4.061	O	|	|	|	|	2.64
23.917	0.00	1.33	4.052	O	|	|	|	|	2.63
24.000	0.00	1.33	4.043	O	|	|	|	|	2.63
24.083	0.00	1.32	4.034	O	|	|	|	|	2.62
24.167	0.00	1.32	4.025	O	|	|	|	|	2.62
24.250	0.00	1.31	4.016	O	|	|	|	|	2.61
24.333	0.00	1.30	4.007	O	|	|	|	|	2.61
24.417	0.00	1.30	3.998	O	|	|	|	|	2.60
24.500	0.00	1.29	3.989	O	|	|	|	|	2.60
24.583	0.00	1.29	3.980	O	|	|	|	|	2.59
24.667	0.00	1.28	3.971	O	|	|	|	|	2.59
24.750	0.00	1.28	3.962	O	|	|	|	|	2.58
24.833	0.00	1.27	3.954	O	|	|	|	|	2.57
24.917	0.00	1.27	3.945	O	|	|	|	|	2.57
25.000	0.00	1.26	3.936	O	|	|	|	|	2.56
25.083	0.00	1.26	3.928	O	|	|	|	|	2.56
25.167	0.00	1.25	3.919	O	|	|	|	|	2.55
25.250	0.00	1.25	3.910	O	|	|	|	|	2.55
25.333	0.00	1.24	3.902	O	|	|	|	|	2.54
25.417	0.00	1.24	3.893	O	|	|	|	|	2.54
25.500	0.00	1.23	3.885	O	|	|	|	|	2.53
25.583	0.00	1.23	3.876	O	|	|	|	|	2.53
25.667	0.00	1.22	3.868	O	|	|	|	|	2.52
25.750	0.00	1.22	3.859	O	|	|	|	|	2.52
25.833	0.00	1.21	3.851	O	|	|	|	|	2.51
25.917	0.00	1.21	3.843	O	|	|	|	|	2.51
26.000	0.00	1.20	3.834	O	|	|	|	|	2.50
26.083	0.00	1.20	3.826	O	|	|	|	|	2.50
26.167	0.00	1.19	3.818	O	|	|	|	|	2.49
26.250	0.00	1.19	3.810	O	|	|	|	|	2.49
26.333	0.00	1.18	3.801	O	|	|	|	|	2.48
26.417	0.00	1.18	3.793	O	|	|	|	|	2.48
26.500	0.00	1.17	3.785	O	|	|	|	|	2.47
26.583	0.00	1.17	3.777	O	|	|	|	|	2.47
26.667	0.00	1.16	3.769	O	|	|	|	|	2.46
26.750	0.00	1.16	3.761	O	|	|	|	|	2.46
26.833	0.00	1.15	3.753	O	|	|	|	|	2.45
26.917	0.00	1.15	3.745	O	|	|	|	|	2.45
27.000	0.00	1.15	3.737	O	|	|	|	|	2.44
27.083	0.00	1.14	3.729	O	|	|	|	|	2.44
27.167	0.00	1.14	3.722	O	|	|	|	|	2.43
27.250	0.00	1.13	3.714	O	|	|	|	|	2.43
27.333	0.00	1.13	3.706	O	|	|	|	|	2.43
27.417	0.00	1.12	3.698	O	|	|	|	|	2.42
27.500	0.00	1.12	3.691	O	|	|	|	|	2.42
27.583	0.00	1.11	3.683	O	|	|	|	|	2.41
27.667	0.00	1.11	3.675	O	|	|	|	|	2.41
27.750	0.00	1.10	3.668	O	|	|	|	|	2.40
27.833	0.00	1.10	3.660	O	|	|	|	|	2.40
27.917	0.00	1.10	3.652	O	|	|	|	|	2.39
28.000	0.00	1.09	3.645	O	|	|	|	|	2.39

28.083	0.00	1.09	3.637	O	|	|	|	|	2.38
28.167	0.00	1.08	3.630	O	|	|	|	|	2.38
28.250	0.00	1.08	3.623	O	|	|	|	|	2.38
28.333	0.00	1.07	3.615	O	|	|	|	|	2.37
28.417	0.00	1.07	3.608	O	|	|	|	|	2.37
28.500	0.00	1.06	3.600	O	|	|	|	|	2.36
28.583	0.00	1.06	3.593	O	|	|	|	|	2.36
28.667	0.00	1.06	3.586	O	|	|	|	|	2.35
28.750	0.00	1.05	3.579	O	|	|	|	|	2.35
28.833	0.00	1.05	3.571	O	|	|	|	|	2.34
28.917	0.00	1.04	3.564	O	|	|	|	|	2.34
29.000	0.00	1.04	3.557	O	|	|	|	|	2.34
29.083	0.00	1.03	3.550	O	|	|	|	|	2.33
29.167	0.00	1.03	3.543	O	|	|	|	|	2.33
29.250	0.00	1.03	3.536	O	|	|	|	|	2.32
29.333	0.00	1.02	3.529	O	|	|	|	|	2.32
29.417	0.00	1.02	3.522	O	|	|	|	|	2.31
29.500	0.00	1.01	3.515	O	|	|	|	|	2.31
29.583	0.00	1.01	3.508	O	|	|	|	|	2.31
29.667	0.00	1.01	3.501	O	|	|	|	|	2.30
29.750	0.00	1.00	3.494	O	|	|	|	|	2.30
29.833	0.00	1.00	3.487	O	|	|	|	|	2.29
29.917	0.00	0.99	3.480	O	|	|	|	|	2.29
30.000	0.00	0.99	3.473	O	|	|	|	|	2.29
30.083	0.00	0.99	3.466	O	|	|	|	|	2.28
30.167	0.00	0.98	3.460	O	|	|	|	|	2.28
30.250	0.00	0.98	3.453	O	|	|	|	|	2.27
30.333	0.00	0.97	3.446	O	|	|	|	|	2.27
30.417	0.00	0.97	3.439	O	|	|	|	|	2.26
30.500	0.00	0.97	3.433	O	|	|	|	|	2.26
30.583	0.00	0.96	3.426	O	|	|	|	|	2.26
30.667	0.00	0.96	3.420	O	|	|	|	|	2.25
30.750	0.00	0.95	3.413	O	|	|	|	|	2.25
30.833	0.00	0.95	3.406	O	|	|	|	|	2.24
30.917	0.00	0.95	3.400	O	|	|	|	|	2.24
31.000	0.00	0.94	3.393	O	|	|	|	|	2.24
31.083	0.00	0.94	3.387	O	|	|	|	|	2.23
31.167	0.00	0.93	3.380	O	|	|	|	|	2.23
31.250	0.00	0.93	3.374	O	|	|	|	|	2.23
31.333	0.00	0.93	3.368	O	|	|	|	|	2.22
31.417	0.00	0.92	3.361	O	|	|	|	|	2.22
31.500	0.00	0.92	3.355	O	|	|	|	|	2.21
31.583	0.00	0.92	3.349	O	|	|	|	|	2.21
31.667	0.00	0.91	3.342	O	|	|	|	|	2.21
31.750	0.00	0.91	3.336	O	|	|	|	|	2.20
31.833	0.00	0.90	3.330	O	|	|	|	|	2.20
31.917	0.00	0.90	3.324	O	|	|	|	|	2.19
32.000	0.00	0.90	3.317	O	|	|	|	|	2.19
32.083	0.00	0.89	3.311	O	|	|	|	|	2.19
32.167	0.00	0.89	3.305	O	|	|	|	|	2.18
32.250	0.00	0.89	3.299	O	|	|	|	|	2.18
32.333	0.00	0.88	3.293	O	|	|	|	|	2.18
32.417	0.00	0.88	3.287	O	|	|	|	|	2.17
32.500	0.00	0.88	3.281	O	|	|	|	|	2.17
32.583	0.00	0.87	3.275	O	|	|	|	|	2.17
32.667	0.00	0.87	3.269	O	|	|	|	|	2.16
32.750	0.00	0.87	3.263	O	|	|	|	|	2.16
32.833	0.00	0.86	3.257	O	|	|	|	|	2.15
32.917	0.00	0.86	3.251	O	|	|	|	|	2.15
33.000	0.00	0.85	3.245	O	|	|	|	|	2.15
33.083	0.00	0.85	3.239	O	|	|	|	|	2.14
33.167	0.00	0.85	3.233	O	|	|	|	|	2.14
33.250	0.00	0.84	3.227	O	|	|	|	|	2.14
33.333	0.00	0.84	3.222	O	|	|	|	|	2.13
33.417	0.00	0.84	3.216	O	|	|	|	|	2.13
33.500	0.00	0.83	3.210	O	|	|	|	|	2.13
33.583	0.00	0.83	3.204	O	|	|	|	|	2.12

33.667	0.00	0.83	3.199	O	|	|	|	2.12
33.750	0.00	0.82	3.193	O	|	|	|	2.12
33.833	0.00	0.82	3.187	O	|	|	|	2.11
33.917	0.00	0.82	3.182	O	|	|	|	2.11
34.000	0.00	0.81	3.176	O	|	|	|	2.11
34.083	0.00	0.81	3.170	O	|	|	|	2.10
34.167	0.00	0.81	3.165	O	|	|	|	2.10
34.250	0.00	0.80	3.159	O	|	|	|	2.10
34.333	0.00	0.80	3.154	O	|	|	|	2.09
34.417	0.00	0.80	3.148	O	|	|	|	2.09
34.500	0.00	0.79	3.143	O	|	|	|	2.09
34.583	0.00	0.79	3.137	O	|	|	|	2.08
34.667	0.00	0.79	3.132	O	|	|	|	2.08
34.750	0.00	0.78	3.127	O	|	|	|	2.08
34.833	0.00	0.78	3.121	O	|	|	|	2.07
34.917	0.00	0.78	3.116	O	|	|	|	2.07
35.000	0.00	0.78	3.110	O	|	|	|	2.07
35.083	0.00	0.77	3.105	O	|	|	|	2.06
35.167	0.00	0.77	3.100	O	|	|	|	2.06
35.250	0.00	0.77	3.094	O	|	|	|	2.06
35.333	0.00	0.76	3.089	O	|	|	|	2.05
35.417	0.00	0.76	3.084	O	|	|	|	2.05
35.500	0.00	0.76	3.079	O	|	|	|	2.05
35.583	0.00	0.75	3.074	O	|	|	|	2.04
35.667	0.00	0.75	3.068	O	|	|	|	2.04
35.750	0.00	0.75	3.063	O	|	|	|	2.04
35.833	0.00	0.74	3.058	O	|	|	|	2.03
35.917	0.00	0.74	3.053	O	|	|	|	2.03
36.000	0.00	0.74	3.048	O	|	|	|	2.03
36.083	0.00	0.74	3.043	O	|	|	|	2.03
36.167	0.00	0.73	3.038	O	|	|	|	2.02
36.250	0.00	0.73	3.033	O	|	|	|	2.02
36.333	0.00	0.73	3.028	O	|	|	|	2.02
36.417	0.00	0.72	3.023	O	|	|	|	2.01
36.500	0.00	0.72	3.018	O	|	|	|	2.01
36.583	0.00	0.72	3.013	O	|	|	|	2.01
36.667	0.00	0.71	3.008	O	|	|	|	2.00
36.750	0.00	0.71	3.003	O	|	|	|	2.00
36.833	0.00	0.71	2.998	O	|	|	|	2.00
36.917	0.00	0.71	2.993	O	|	|	|	2.00
37.000	0.00	0.71	2.988	O	|	|	|	1.99
37.083	0.00	0.71	2.983	O	|	|	|	1.99
37.167	0.00	0.71	2.979	O	|	|	|	1.99
37.250	0.00	0.71	2.974	O	|	|	|	1.98
37.333	0.00	0.71	2.969	O	|	|	|	1.98
37.417	0.00	0.70	2.964	O	|	|	|	1.98
37.500	0.00	0.70	2.959	O	|	|	|	1.97
37.583	0.00	0.70	2.954	O	|	|	|	1.97
37.667	0.00	0.70	2.949	O	|	|	|	1.97
37.750	0.00	0.70	2.945	O	|	|	|	1.96
37.833	0.00	0.70	2.940	O	|	|	|	1.96
37.917	0.00	0.70	2.935	O	|	|	|	1.96
38.000	0.00	0.70	2.930	O	|	|	|	1.95
38.083	0.00	0.70	2.925	O	|	|	|	1.95
38.167	0.00	0.70	2.921	O	|	|	|	1.95
38.250	0.00	0.70	2.916	O	|	|	|	1.95
38.333	0.00	0.70	2.911	O	|	|	|	1.94
38.417	0.00	0.70	2.906	O	|	|	|	1.94
38.500	0.00	0.69	2.901	O	|	|	|	1.94
38.583	0.00	0.69	2.897	O	|	|	|	1.93
38.667	0.00	0.69	2.892	O	|	|	|	1.93
38.750	0.00	0.69	2.887	O	|	|	|	1.93
38.833	0.00	0.69	2.882	O	|	|	|	1.92
38.917	0.00	0.69	2.877	O	|	|	|	1.92
39.000	0.00	0.69	2.873	O	|	|	|	1.92
39.083	0.00	0.69	2.868	O	|	|	|	1.91
39.167	0.00	0.69	2.863	O	|	|	|	1.91

39.250	0.00	0.69	2.858	O	|	|	|	|	1.91
39.333	0.00	0.69	2.854	O	|	|	|	|	1.91
39.417	0.00	0.69	2.849	O	|	|	|	|	1.90
39.500	0.00	0.69	2.844	O	|	|	|	|	1.90
39.583	0.00	0.69	2.840	O	|	|	|	|	1.90
39.667	0.00	0.68	2.835	O	|	|	|	|	1.89
39.750	0.00	0.68	2.830	O	|	|	|	|	1.89
39.833	0.00	0.68	2.825	O	|	|	|	|	1.89
39.917	0.00	0.68	2.821	O	|	|	|	|	1.88
40.000	0.00	0.68	2.816	O	|	|	|	|	1.88
40.083	0.00	0.68	2.811	O	|	|	|	|	1.88
40.167	0.00	0.68	2.807	O	|	|	|	|	1.88
40.250	0.00	0.68	2.802	O	|	|	|	|	1.87
40.333	0.00	0.68	2.797	O	|	|	|	|	1.87
40.417	0.00	0.68	2.793	O	|	|	|	|	1.87
40.500	0.00	0.68	2.788	O	|	|	|	|	1.86
40.583	0.00	0.68	2.783	O	|	|	|	|	1.86
40.667	0.00	0.68	2.779	O	|	|	|	|	1.86
40.750	0.00	0.68	2.774	O	|	|	|	|	1.85
40.833	0.00	0.67	2.769	O	|	|	|	|	1.85
40.917	0.00	0.67	2.765	O	|	|	|	|	1.85
41.000	0.00	0.67	2.760	O	|	|	|	|	1.85
41.083	0.00	0.67	2.755	O	|	|	|	|	1.84
41.167	0.00	0.67	2.751	O	|	|	|	|	1.84
41.250	0.00	0.67	2.746	O	|	|	|	|	1.84
41.333	0.00	0.67	2.742	O	|	|	|	|	1.83
41.417	0.00	0.67	2.737	O	|	|	|	|	1.83
41.500	0.00	0.67	2.732	O	|	|	|	|	1.83
41.583	0.00	0.67	2.728	O	|	|	|	|	1.82
41.667	0.00	0.67	2.723	O	|	|	|	|	1.82
41.750	0.00	0.67	2.719	O	|	|	|	|	1.82
41.833	0.00	0.67	2.714	O	|	|	|	|	1.82
41.917	0.00	0.67	2.709	O	|	|	|	|	1.81
42.000	0.00	0.66	2.705	O	|	|	|	|	1.81
42.083	0.00	0.66	2.700	O	|	|	|	|	1.81
42.167	0.00	0.66	2.696	O	|	|	|	|	1.80
42.250	0.00	0.66	2.691	O	|	|	|	|	1.80
42.333	0.00	0.66	2.687	O	|	|	|	|	1.80
42.417	0.00	0.66	2.682	O	|	|	|	|	1.79
42.500	0.00	0.66	2.677	O	|	|	|	|	1.79
42.583	0.00	0.66	2.673	O	|	|	|	|	1.79
42.667	0.00	0.66	2.668	O	|	|	|	|	1.79
42.750	0.00	0.66	2.664	O	|	|	|	|	1.78
42.833	0.00	0.66	2.659	O	|	|	|	|	1.78
42.917	0.00	0.66	2.655	O	|	|	|	|	1.78
43.000	0.00	0.66	2.650	O	|	|	|	|	1.77
43.083	0.00	0.66	2.646	O	|	|	|	|	1.77
43.167	0.00	0.65	2.641	O	|	|	|	|	1.77
43.250	0.00	0.65	2.637	O	|	|	|	|	1.77
43.333	0.00	0.65	2.632	O	|	|	|	|	1.76
43.417	0.00	0.65	2.628	O	|	|	|	|	1.76
43.500	0.00	0.65	2.623	O	|	|	|	|	1.76
43.583	0.00	0.65	2.619	O	|	|	|	|	1.75
43.667	0.00	0.65	2.614	O	|	|	|	|	1.75
43.750	0.00	0.65	2.610	O	|	|	|	|	1.75
43.833	0.00	0.65	2.605	O	|	|	|	|	1.75
43.917	0.00	0.65	2.601	O	|	|	|	|	1.74
44.000	0.00	0.65	2.596	O	|	|	|	|	1.74
44.083	0.00	0.65	2.592	O	|	|	|	|	1.74
44.167	0.00	0.65	2.587	O	|	|	|	|	1.73
44.250	0.00	0.65	2.583	O	|	|	|	|	1.73
44.333	0.00	0.64	2.579	O	|	|	|	|	1.73
44.417	0.00	0.64	2.574	O	|	|	|	|	1.73
44.500	0.00	0.64	2.570	O	|	|	|	|	1.72
44.583	0.00	0.64	2.565	O	|	|	|	|	1.72
44.667	0.00	0.64	2.561	O	|	|	|	|	1.72
44.750	0.00	0.64	2.556	O	|	|	|	|	1.71

44.833	0.00	0.64	2.552	O	|	|	|	|	1.71
44.917	0.00	0.64	2.548	O	|	|	|	|	1.71
45.000	0.00	0.64	2.543	O	|	|	|	|	1.71
45.083	0.00	0.64	2.539	O	|	|	|	|	1.70
45.167	0.00	0.64	2.534	O	|	|	|	|	1.70
45.250	0.00	0.64	2.530	O	|	|	|	|	1.70
45.333	0.00	0.64	2.526	O	|	|	|	|	1.69
45.417	0.00	0.64	2.521	O	|	|	|	|	1.69
45.500	0.00	0.64	2.517	O	|	|	|	|	1.69
45.583	0.00	0.63	2.513	O	|	|	|	|	1.69
45.667	0.00	0.63	2.508	O	|	|	|	|	1.68
45.750	0.00	0.63	2.504	O	|	|	|	|	1.68
45.833	0.00	0.63	2.499	O	|	|	|	|	1.68
45.917	0.00	0.63	2.495	O	|	|	|	|	1.67
46.000	0.00	0.63	2.491	O	|	|	|	|	1.67
46.083	0.00	0.63	2.486	O	|	|	|	|	1.67
46.167	0.00	0.63	2.482	O	|	|	|	|	1.67
46.250	0.00	0.63	2.478	O	|	|	|	|	1.66
46.333	0.00	0.63	2.473	O	|	|	|	|	1.66
46.417	0.00	0.63	2.469	O	|	|	|	|	1.66
46.500	0.00	0.63	2.465	O	|	|	|	|	1.65
46.583	0.00	0.63	2.460	O	|	|	|	|	1.65
46.667	0.00	0.63	2.456	O	|	|	|	|	1.65
46.750	0.00	0.63	2.452	O	|	|	|	|	1.65
46.833	0.00	0.62	2.448	O	|	|	|	|	1.64
46.917	0.00	0.62	2.443	O	|	|	|	|	1.64
47.000	0.00	0.62	2.439	O	|	|	|	|	1.64
47.083	0.00	0.62	2.435	O	|	|	|	|	1.64
47.167	0.00	0.62	2.430	O	|	|	|	|	1.63
47.250	0.00	0.62	2.426	O	|	|	|	|	1.63
47.333	0.00	0.62	2.422	O	|	|	|	|	1.63
47.417	0.00	0.62	2.418	O	|	|	|	|	1.62
47.500	0.00	0.62	2.413	O	|	|	|	|	1.62
47.583	0.00	0.62	2.409	O	|	|	|	|	1.62
47.667	0.00	0.62	2.405	O	|	|	|	|	1.62
47.750	0.00	0.62	2.400	O	|	|	|	|	1.61
47.833	0.00	0.62	2.396	O	|	|	|	|	1.61
47.917	0.00	0.62	2.392	O	|	|	|	|	1.61
48.000	0.00	0.62	2.388	O	|	|	|	|	1.60
48.083	0.00	0.61	2.384	O	|	|	|	|	1.60
48.167	0.00	0.61	2.379	O	|	|	|	|	1.60
48.250	0.00	0.61	2.375	O	|	|	|	|	1.60
48.333	0.00	0.61	2.371	O	|	|	|	|	1.59
48.417	0.00	0.61	2.367	O	|	|	|	|	1.59
48.500	0.00	0.61	2.362	O	|	|	|	|	1.59
48.583	0.00	0.61	2.358	O	|	|	|	|	1.59
48.667	0.00	0.61	2.354	O	|	|	|	|	1.58
48.750	0.00	0.61	2.350	O	|	|	|	|	1.58
48.833	0.00	0.61	2.346	O	|	|	|	|	1.58
48.917	0.00	0.61	2.341	O	|	|	|	|	1.58
49.000	0.00	0.61	2.337	O	|	|	|	|	1.57
49.083	0.00	0.61	2.333	O	|	|	|	|	1.57
49.167	0.00	0.61	2.329	O	|	|	|	|	1.57
49.250	0.00	0.61	2.325	O	|	|	|	|	1.56
49.333	0.00	0.60	2.321	O	|	|	|	|	1.56
49.417	0.00	0.60	2.316	O	|	|	|	|	1.56
49.500	0.00	0.60	2.312	O	|	|	|	|	1.56
49.583	0.00	0.60	2.308	O	|	|	|	|	1.55
49.667	0.00	0.60	2.304	O	|	|	|	|	1.55
49.750	0.00	0.60	2.300	O	|	|	|	|	1.55
49.833	0.00	0.60	2.296	O	|	|	|	|	1.55
49.917	0.00	0.60	2.291	O	|	|	|	|	1.54
50.000	0.00	0.60	2.287	O	|	|	|	|	1.54
50.083	0.00	0.60	2.283	O	|	|	|	|	1.54
50.167	0.00	0.60	2.279	O	|	|	|	|	1.53
50.250	0.00	0.60	2.275	O	|	|	|	|	1.53
50.333	0.00	0.60	2.271	O	|	|	|	|	1.53

50.417	0.00	0.60	2.267	O	|	|	|	|	1.53
50.500	0.00	0.60	2.263	O	|	|	|	|	1.52
50.583	0.00	0.60	2.259	O	|	|	|	|	1.52
50.667	0.00	0.59	2.254	O	|	|	|	|	1.52
50.750	0.00	0.59	2.250	O	|	|	|	|	1.52
50.833	0.00	0.59	2.246	O	|	|	|	|	1.51
50.917	0.00	0.59	2.242	O	|	|	|	|	1.51
51.000	0.00	0.59	2.238	O	|	|	|	|	1.51
51.083	0.00	0.59	2.234	O	|	|	|	|	1.51
51.167	0.00	0.59	2.230	O	|	|	|	|	1.50
51.250	0.00	0.59	2.226	O	|	|	|	|	1.50
51.333	0.00	0.59	2.222	O	|	|	|	|	1.50
51.417	0.00	0.59	2.218	O	|	|	|	|	1.50
51.500	0.00	0.59	2.214	O	|	|	|	|	1.49
51.583	0.00	0.59	2.210	O	|	|	|	|	1.49
51.667	0.00	0.59	2.206	O	|	|	|	|	1.49
51.750	0.00	0.59	2.202	O	|	|	|	|	1.48
51.833	0.00	0.59	2.198	O	|	|	|	|	1.48
51.917	0.00	0.59	2.194	O	|	|	|	|	1.48
52.000	0.00	0.58	2.189	O	|	|	|	|	1.48
52.083	0.00	0.58	2.185	O	|	|	|	|	1.47
52.167	0.00	0.58	2.181	O	|	|	|	|	1.47
52.250	0.00	0.58	2.177	O	|	|	|	|	1.47
52.333	0.00	0.58	2.173	O	|	|	|	|	1.47
52.417	0.00	0.58	2.169	O	|	|	|	|	1.46
52.500	0.00	0.58	2.165	O	|	|	|	|	1.46
52.583	0.00	0.58	2.161	O	|	|	|	|	1.46
52.667	0.00	0.58	2.157	O	|	|	|	|	1.46
52.750	0.00	0.58	2.153	O	|	|	|	|	1.45
52.833	0.00	0.58	2.149	O	|	|	|	|	1.45
52.917	0.00	0.58	2.145	O	|	|	|	|	1.45
53.000	0.00	0.58	2.141	O	|	|	|	|	1.45
53.083	0.00	0.58	2.138	O	|	|	|	|	1.44
53.167	0.00	0.58	2.134	O	|	|	|	|	1.44
53.250	0.00	0.58	2.130	O	|	|	|	|	1.44
53.333	0.00	0.57	2.126	O	|	|	|	|	1.44
53.417	0.00	0.57	2.122	O	|	|	|	|	1.43
53.500	0.00	0.57	2.118	O	|	|	|	|	1.43
53.583	0.00	0.57	2.114	O	|	|	|	|	1.43
53.667	0.00	0.57	2.110	O	|	|	|	|	1.43
53.750	0.00	0.57	2.106	O	|	|	|	|	1.42
53.833	0.00	0.57	2.102	O	|	|	|	|	1.42
53.917	0.00	0.57	2.098	O	|	|	|	|	1.42
54.000	0.00	0.57	2.094	O	|	|	|	|	1.42
54.083	0.00	0.57	2.090	O	|	|	|	|	1.41
54.167	0.00	0.57	2.086	O	|	|	|	|	1.41
54.250	0.00	0.57	2.082	O	|	|	|	|	1.41
54.333	0.00	0.57	2.078	O	|	|	|	|	1.41
54.417	0.00	0.57	2.075	O	|	|	|	|	1.40
54.500	0.00	0.57	2.071	O	|	|	|	|	1.40
54.583	0.00	0.57	2.067	O	|	|	|	|	1.40
54.667	0.00	0.56	2.063	O	|	|	|	|	1.40
54.750	0.00	0.56	2.059	O	|	|	|	|	1.39
54.833	0.00	0.56	2.055	O	|	|	|	|	1.39
54.917	0.00	0.56	2.051	O	|	|	|	|	1.39
55.000	0.00	0.56	2.047	O	|	|	|	|	1.39
55.083	0.00	0.56	2.043	O	|	|	|	|	1.38
55.167	0.00	0.56	2.040	O	|	|	|	|	1.38
55.250	0.00	0.56	2.036	O	|	|	|	|	1.38
55.333	0.00	0.56	2.032	O	|	|	|	|	1.38
55.417	0.00	0.56	2.028	O	|	|	|	|	1.37
55.500	0.00	0.56	2.024	O	|	|	|	|	1.37
55.583	0.00	0.56	2.020	O	|	|	|	|	1.37
55.667	0.00	0.56	2.016	O	|	|	|	|	1.37
55.750	0.00	0.56	2.013	O	|	|	|	|	1.36
55.833	0.00	0.56	2.009	O	|	|	|	|	1.36
55.917	0.00	0.56	2.005	O	|	|	|	|	1.36

56.000	0.00	0.56	2.001	O	|	|	|	|	1.36
56.083	0.00	0.55	1.997	O	|	|	|	|	1.35
56.167	0.00	0.55	1.993	O	|	|	|	|	1.35
56.250	0.00	0.55	1.990	O	|	|	|	|	1.35
56.333	0.00	0.55	1.986	O	|	|	|	|	1.35
56.417	0.00	0.55	1.982	O	|	|	|	|	1.34
56.500	0.00	0.55	1.978	O	|	|	|	|	1.34
56.583	0.00	0.55	1.974	O	|	|	|	|	1.34
56.667	0.00	0.55	1.971	O	|	|	|	|	1.34
56.750	0.00	0.55	1.967	O	|	|	|	|	1.33
56.833	0.00	0.55	1.963	O	|	|	|	|	1.33
56.917	0.00	0.55	1.959	O	|	|	|	|	1.33
57.000	0.00	0.55	1.956	O	|	|	|	|	1.33
57.083	0.00	0.55	1.952	O	|	|	|	|	1.32
57.167	0.00	0.55	1.948	O	|	|	|	|	1.32
57.250	0.00	0.55	1.944	O	|	|	|	|	1.32
57.333	0.00	0.55	1.940	O	|	|	|	|	1.32
57.417	0.00	0.55	1.937	O	|	|	|	|	1.31
57.500	0.00	0.54	1.933	O	|	|	|	|	1.31
57.583	0.00	0.54	1.929	O	|	|	|	|	1.31
57.667	0.00	0.54	1.925	O	|	|	|	|	1.31
57.750	0.00	0.54	1.922	O	|	|	|	|	1.30
57.833	0.00	0.54	1.918	O	|	|	|	|	1.30
57.917	0.00	0.54	1.914	O	|	|	|	|	1.30
58.000	0.00	0.54	1.910	O	|	|	|	|	1.30
58.083	0.00	0.54	1.907	O	|	|	|	|	1.29
58.167	0.00	0.54	1.903	O	|	|	|	|	1.29
58.250	0.00	0.54	1.899	O	|	|	|	|	1.29
58.333	0.00	0.54	1.896	O	|	|	|	|	1.29
58.417	0.00	0.54	1.892	O	|	|	|	|	1.29
58.500	0.00	0.54	1.888	O	|	|	|	|	1.28
58.583	0.00	0.54	1.885	O	|	|	|	|	1.28
58.667	0.00	0.54	1.881	O	|	|	|	|	1.28
58.750	0.00	0.54	1.877	O	|	|	|	|	1.28
58.833	0.00	0.54	1.873	O	|	|	|	|	1.27
58.917	0.00	0.53	1.870	O	|	|	|	|	1.27
59.000	0.00	0.53	1.866	O	|	|	|	|	1.27
59.083	0.00	0.53	1.862	O	|	|	|	|	1.27
59.167	0.00	0.53	1.859	O	|	|	|	|	1.26
59.250	0.00	0.53	1.855	O	|	|	|	|	1.26
59.333	0.00	0.53	1.851	O	|	|	|	|	1.26
59.417	0.00	0.53	1.848	O	|	|	|	|	1.26
59.500	0.00	0.53	1.844	O	|	|	|	|	1.25
59.583	0.00	0.53	1.840	O	|	|	|	|	1.25
59.667	0.00	0.53	1.837	O	|	|	|	|	1.25
59.750	0.00	0.53	1.833	O	|	|	|	|	1.25
59.833	0.00	0.53	1.829	O	|	|	|	|	1.24
59.917	0.00	0.53	1.826	O	|	|	|	|	1.24
60.000	0.00	0.53	1.822	O	|	|	|	|	1.24
60.083	0.00	0.53	1.819	O	|	|	|	|	1.24
60.167	0.00	0.53	1.815	O	|	|	|	|	1.24
60.250	0.00	0.53	1.811	O	|	|	|	|	1.23
60.333	0.00	0.53	1.808	O	|	|	|	|	1.23
60.417	0.00	0.52	1.804	O	|	|	|	|	1.23
60.500	0.00	0.52	1.800	O	|	|	|	|	1.23
60.583	0.00	0.52	1.797	O	|	|	|	|	1.22
60.667	0.00	0.52	1.793	O	|	|	|	|	1.22
60.750	0.00	0.52	1.790	O	|	|	|	|	1.22
60.833	0.00	0.52	1.786	O	|	|	|	|	1.22
60.917	0.00	0.52	1.782	O	|	|	|	|	1.21
61.000	0.00	0.52	1.779	O	|	|	|	|	1.21
61.083	0.00	0.52	1.775	O	|	|	|	|	1.21
61.167	0.00	0.52	1.772	O	|	|	|	|	1.21
61.250	0.00	0.52	1.768	O	|	|	|	|	1.21
61.333	0.00	0.52	1.765	O	|	|	|	|	1.20
61.417	0.00	0.52	1.761	O	|	|	|	|	1.20
61.500	0.00	0.52	1.757	O	|	|	|	|	1.20

61.583	0.00	0.52	1.754	O	|	|	|	|	1.20
61.667	0.00	0.52	1.750	O	|	|	|	|	1.19
61.750	0.00	0.52	1.747	O	|	|	|	|	1.19
61.833	0.00	0.52	1.743	O	|	|	|	|	1.19
61.917	0.00	0.51	1.740	O	|	|	|	|	1.19
62.000	0.00	0.51	1.736	O	|	|	|	|	1.18
62.083	0.00	0.51	1.733	O	|	|	|	|	1.18
62.167	0.00	0.51	1.729	O	|	|	|	|	1.18
62.250	0.00	0.51	1.725	O	|	|	|	|	1.18
62.333	0.00	0.51	1.722	O	|	|	|	|	1.18
62.417	0.00	0.51	1.718	O	|	|	|	|	1.17
62.500	0.00	0.51	1.715	O	|	|	|	|	1.17
62.583	0.00	0.51	1.711	O	|	|	|	|	1.17
62.667	0.00	0.51	1.708	O	|	|	|	|	1.17
62.750	0.00	0.51	1.704	O	|	|	|	|	1.16
62.833	0.00	0.51	1.701	O	|	|	|	|	1.16
62.917	0.00	0.51	1.697	O	|	|	|	|	1.16
63.000	0.00	0.51	1.694	O	|	|	|	|	1.16
63.083	0.00	0.51	1.690	O	|	|	|	|	1.16
63.167	0.00	0.51	1.687	O	|	|	|	|	1.15
63.250	0.00	0.51	1.683	O	|	|	|	|	1.15
63.333	0.00	0.51	1.680	O	|	|	|	|	1.15
63.417	0.00	0.51	1.676	O	|	|	|	|	1.15
63.500	0.00	0.50	1.673	O	|	|	|	|	1.14
63.583	0.00	0.50	1.669	O	|	|	|	|	1.14
63.667	0.00	0.50	1.666	O	|	|	|	|	1.14
63.750	0.00	0.50	1.663	O	|	|	|	|	1.14
63.833	0.00	0.50	1.659	O	|	|	|	|	1.13
63.917	0.00	0.50	1.656	O	|	|	|	|	1.13
64.000	0.00	0.50	1.652	O	|	|	|	|	1.13
64.083	0.00	0.50	1.649	O	|	|	|	|	1.13
64.167	0.00	0.50	1.645	O	|	|	|	|	1.13
64.250	0.00	0.50	1.642	O	|	|	|	|	1.12
64.333	0.00	0.50	1.638	O	|	|	|	|	1.12
64.417	0.00	0.50	1.635	O	|	|	|	|	1.12
64.500	0.00	0.50	1.631	O	|	|	|	|	1.12
64.583	0.00	0.50	1.628	O	|	|	|	|	1.11
64.667	0.00	0.50	1.625	O	|	|	|	|	1.11
64.750	0.00	0.50	1.621	O	|	|	|	|	1.11
64.833	0.00	0.50	1.618	O	|	|	|	|	1.11
64.917	0.00	0.50	1.614	O	|	|	|	|	1.11
65.000	0.00	0.49	1.611	O	|	|	|	|	1.10
65.083	0.00	0.49	1.608	O	|	|	|	|	1.10
65.167	0.00	0.49	1.604	O	|	|	|	|	1.10
65.250	0.00	0.49	1.601	O	|	|	|	|	1.10
65.333	0.00	0.49	1.597	O	|	|	|	|	1.10
65.417	0.00	0.49	1.594	O	|	|	|	|	1.09
65.500	0.00	0.49	1.591	O	|	|	|	|	1.09
65.583	0.00	0.49	1.587	O	|	|	|	|	1.09
65.667	0.00	0.49	1.584	O	|	|	|	|	1.09
65.750	0.00	0.49	1.580	O	|	|	|	|	1.08
65.833	0.00	0.49	1.577	O	|	|	|	|	1.08
65.917	0.00	0.49	1.574	O	|	|	|	|	1.08
66.000	0.00	0.49	1.570	O	|	|	|	|	1.08
66.083	0.00	0.49	1.567	O	|	|	|	|	1.08
66.167	0.00	0.49	1.564	O	|	|	|	|	1.07
66.250	0.00	0.49	1.560	O	|	|	|	|	1.07
66.333	0.00	0.49	1.557	O	|	|	|	|	1.07
66.417	0.00	0.49	1.554	O	|	|	|	|	1.07
66.500	0.00	0.49	1.550	O	|	|	|	|	1.06
66.583	0.00	0.48	1.547	O	|	|	|	|	1.06
66.667	0.00	0.48	1.544	O	|	|	|	|	1.06
66.750	0.00	0.48	1.540	O	|	|	|	|	1.06
66.833	0.00	0.48	1.537	O	|	|	|	|	1.06
66.917	0.00	0.48	1.534	O	|	|	|	|	1.05
67.000	0.00	0.48	1.530	O	|	|	|	|	1.05
67.083	0.00	0.48	1.527	O	|	|	|	|	1.05

67.167	0.00	0.48	1.524	O	|	|	|	1.05
67.250	0.00	0.48	1.520	O	|	|	|	1.05
67.333	0.00	0.48	1.517	O	|	|	|	1.04
67.417	0.00	0.48	1.514	O	|	|	|	1.04
67.500	0.00	0.48	1.510	O	|	|	|	1.04
67.583	0.00	0.48	1.507	O	|	|	|	1.04
67.667	0.00	0.48	1.504	O	|	|	|	1.03
67.750	0.00	0.48	1.500	O	|	|	|	1.03
67.833	0.00	0.48	1.497	O	|	|	|	1.03
67.917	0.00	0.48	1.494	O	|	|	|	1.03
68.000	0.00	0.48	1.491	O	|	|	|	1.03
68.083	0.00	0.48	1.487	O	|	|	|	1.02
68.167	0.00	0.48	1.484	O	|	|	|	1.02
68.250	0.00	0.47	1.481	O	|	|	|	1.02
68.333	0.00	0.47	1.477	O	|	|	|	1.02
68.417	0.00	0.47	1.474	O	|	|	|	1.02
68.500	0.00	0.47	1.471	O	|	|	|	1.01
68.583	0.00	0.47	1.468	O	|	|	|	1.01
68.667	0.00	0.47	1.464	O	|	|	|	1.01
68.750	0.00	0.47	1.461	O	|	|	|	1.01
68.833	0.00	0.47	1.458	O	|	|	|	1.01
68.917	0.00	0.47	1.455	O	|	|	|	1.00
69.000	0.00	0.47	1.451	O	|	|	|	1.00
69.083	0.00	0.47	1.448	O	|	|	|	1.00
69.167	0.00	0.47	1.445	O	|	|	|	1.00
69.250	0.00	0.47	1.442	O	|	|	|	0.99
69.333	0.00	0.47	1.439	O	|	|	|	0.99
69.417	0.00	0.47	1.435	O	|	|	|	0.99
69.500	0.00	0.46	1.432	O	|	|	|	0.99
69.583	0.00	0.46	1.429	O	|	|	|	0.99
69.667	0.00	0.46	1.426	O	|	|	|	0.98
69.750	0.00	0.46	1.423	O	|	|	|	0.98
69.833	0.00	0.46	1.419	O	|	|	|	0.98
69.917	0.00	0.46	1.416	O	|	|	|	0.98
70.000	0.00	0.46	1.413	O	|	|	|	0.97
70.083	0.00	0.46	1.410	O	|	|	|	0.97
70.167	0.00	0.46	1.407	O	|	|	|	0.97
70.250	0.00	0.45	1.404	O	|	|	|	0.97
70.333	0.00	0.45	1.401	O	|	|	|	0.97
70.417	0.00	0.45	1.397	O	|	|	|	0.96
70.500	0.00	0.45	1.394	O	|	|	|	0.96
70.583	0.00	0.45	1.391	O	|	|	|	0.96
70.667	0.00	0.45	1.388	O	|	|	|	0.96
70.750	0.00	0.45	1.385	O	|	|	|	0.96
70.833	0.00	0.45	1.382	O	|	|	|	0.95
70.917	0.00	0.45	1.379	O	|	|	|	0.95
71.000	0.00	0.45	1.376	O	|	|	|	0.95
71.083	0.00	0.44	1.373	O	|	|	|	0.95
71.167	0.00	0.44	1.370	O	|	|	|	0.94
71.250	0.00	0.44	1.367	O	|	|	|	0.94
71.333	0.00	0.44	1.364	O	|	|	|	0.94
71.417	0.00	0.44	1.360	O	|	|	|	0.94
71.500	0.00	0.44	1.357	O	|	|	|	0.94
71.583	0.00	0.44	1.354	O	|	|	|	0.93
71.667	0.00	0.44	1.351	O	|	|	|	0.93
71.750	0.00	0.44	1.348	O	|	|	|	0.93
71.833	0.00	0.44	1.345	O	|	|	|	0.93
71.917	0.00	0.44	1.342	O	|	|	|	0.93
72.000	0.00	0.43	1.339	O	|	|	|	0.92
72.083	0.00	0.43	1.336	O	|	|	|	0.92
72.167	0.00	0.43	1.333	O	|	|	|	0.92
72.250	0.00	0.43	1.330	O	|	|	|	0.92
72.333	0.00	0.43	1.327	O	|	|	|	0.92
72.417	0.00	0.43	1.325	O	|	|	|	0.91
72.500	0.00	0.43	1.322	O	|	|	|	0.91
72.583	0.00	0.43	1.319	O	|	|	|	0.91
72.667	0.00	0.43	1.316	O	|	|	|	0.91

72.750	0.00	0.43	1.313	O				0.91
72.833	0.00	0.42	1.310	O				0.90
72.917	0.00	0.42	1.307	O				0.90
73.000	0.00	0.42	1.304	O				0.90
73.083	0.00	0.42	1.301	O				0.90
73.167	0.00	0.42	1.298	O				0.90
73.250	0.00	0.42	1.295	O				0.89
73.333	0.00	0.42	1.292	O				0.89
73.417	0.00	0.42	1.290	O				0.89
73.500	0.00	0.42	1.287	O				0.89
73.583	0.00	0.42	1.284	O				0.89
73.667	0.00	0.42	1.281	O				0.88
73.750	0.00	0.41	1.278	O				0.88
73.833	0.00	0.41	1.275	O				0.88
73.917	0.00	0.41	1.272	O				0.88
74.000	0.00	0.41	1.270	O				0.88
74.083	0.00	0.41	1.267	O				0.87
74.167	0.00	0.41	1.264	O				0.87
74.250	0.00	0.41	1.261	O				0.87
74.333	0.00	0.41	1.258	O				0.87
74.417	0.00	0.41	1.255	O				0.87
74.500	0.00	0.41	1.253	O				0.86
74.583	0.00	0.41	1.250	O				0.86
74.667	0.00	0.40	1.247	O				0.86
74.750	0.00	0.40	1.244	O				0.86
74.833	0.00	0.40	1.241	O				0.86
74.917	0.00	0.40	1.239	O				0.85
75.000	0.00	0.40	1.236	O				0.85
75.083	0.00	0.40	1.233	O				0.85
75.167	0.00	0.40	1.230	O				0.85
75.250	0.00	0.40	1.228	O				0.85
75.333	0.00	0.40	1.225	O				0.84
75.417	0.00	0.40	1.222	O				0.84
75.500	0.00	0.40	1.220	O				0.84
75.583	0.00	0.39	1.217	O				0.84
75.667	0.00	0.39	1.214	O				0.84
75.750	0.00	0.39	1.211	O				0.84
75.833	0.00	0.39	1.209	O				0.83
75.917	0.00	0.39	1.206	O				0.83
76.000	0.00	0.39	1.203	O				0.83
76.083	0.00	0.39	1.201	O				0.83
76.167	0.00	0.39	1.198	O				0.83
76.250	0.00	0.39	1.195	O				0.82
76.333	0.00	0.39	1.193	O				0.82
76.417	0.00	0.39	1.190	O				0.82
76.500	0.00	0.38	1.187	O				0.82
76.583	0.00	0.38	1.185	O				0.82
76.667	0.00	0.38	1.182	O				0.82
76.750	0.00	0.38	1.179	O				0.81
76.833	0.00	0.38	1.177	O				0.81
76.917	0.00	0.38	1.174	O				0.81
77.000	0.00	0.38	1.171	O				0.81
77.083	0.00	0.38	1.169	O				0.81
77.167	0.00	0.38	1.166	O				0.80
77.250	0.00	0.38	1.164	O				0.80
77.333	0.00	0.38	1.161	O				0.80
77.417	0.00	0.38	1.158	O				0.80
77.500	0.00	0.37	1.156	O				0.80
77.583	0.00	0.37	1.153	O				0.80
77.667	0.00	0.37	1.151	O				0.79
77.750	0.00	0.37	1.148	O				0.79
77.833	0.00	0.37	1.146	O				0.79
77.917	0.00	0.37	1.143	O				0.79
78.000	0.00	0.37	1.141	O				0.79
78.083	0.00	0.37	1.138	O				0.78
78.167	0.00	0.37	1.135	O				0.78
78.250	0.00	0.37	1.133	O				0.78

78.333	0.00	0.37	1.130	O	|	|	|	0.78
78.417	0.00	0.37	1.128	O	|	|	|	0.78
78.500	0.00	0.36	1.125	O	|	|	|	0.78
78.583	0.00	0.36	1.123	O	|	|	|	0.77
78.667	0.00	0.36	1.120	O	|	|	|	0.77
78.750	0.00	0.36	1.118	O	|	|	|	0.77
78.833	0.00	0.36	1.115	O	|	|	|	0.77
78.917	0.00	0.36	1.113	O	|	|	|	0.77
79.000	0.00	0.36	1.110	O	|	|	|	0.77
79.083	0.00	0.36	1.108	O	|	|	|	0.76
79.167	0.00	0.36	1.105	O	|	|	|	0.76
79.250	0.00	0.36	1.103	O	|	|	|	0.76
79.333	0.00	0.36	1.101	O	|	|	|	0.76
79.417	0.00	0.36	1.098	O	|	|	|	0.76
79.500	0.00	0.36	1.096	O	|	|	|	0.76
79.583	0.00	0.35	1.093	O	|	|	|	0.75
79.667	0.00	0.35	1.091	O	|	|	|	0.75
79.750	0.00	0.35	1.088	O	|	|	|	0.75
79.833	0.00	0.35	1.086	O	|	|	|	0.75
79.917	0.00	0.35	1.083	O	|	|	|	0.75
80.000	0.00	0.35	1.081	O	|	|	|	0.75
80.083	0.00	0.35	1.079	O	|	|	|	0.74
80.167	0.00	0.35	1.076	O	|	|	|	0.74
80.250	0.00	0.35	1.074	O	|	|	|	0.74
80.333	0.00	0.35	1.071	O	|	|	|	0.74
80.417	0.00	0.35	1.069	O	|	|	|	0.74
80.500	0.00	0.35	1.067	O	|	|	|	0.74
80.583	0.00	0.34	1.064	O	|	|	|	0.73
80.667	0.00	0.34	1.062	O	|	|	|	0.73
80.750	0.00	0.34	1.060	O	|	|	|	0.73
80.833	0.00	0.34	1.057	O	|	|	|	0.73
80.917	0.00	0.34	1.055	O	|	|	|	0.73
81.000	0.00	0.34	1.052	O	|	|	|	0.73
81.083	0.00	0.34	1.050	O	|	|	|	0.72
81.167	0.00	0.34	1.048	O	|	|	|	0.72
81.250	0.00	0.34	1.045	O	|	|	|	0.72
81.333	0.00	0.34	1.043	O	|	|	|	0.72
81.417	0.00	0.34	1.041	O	|	|	|	0.72
81.500	0.00	0.34	1.038	O	|	|	|	0.72
81.583	0.00	0.34	1.036	O	|	|	|	0.71
81.667	0.00	0.34	1.034	O	|	|	|	0.71
81.750	0.00	0.33	1.032	O	|	|	|	0.71
81.833	0.00	0.33	1.029	O	|	|	|	0.71
81.917	0.00	0.33	1.027	O	|	|	|	0.71
82.000	0.00	0.33	1.025	O	|	|	|	0.71
82.083	0.00	0.33	1.022	O	|	|	|	0.71
82.167	0.00	0.33	1.020	O	|	|	|	0.70
82.250	0.00	0.33	1.018	O	|	|	|	0.70
82.333	0.00	0.33	1.016	O	|	|	|	0.70
82.417	0.00	0.33	1.013	O	|	|	|	0.70
82.500	0.00	0.33	1.011	O	|	|	|	0.70
82.583	0.00	0.33	1.009	O	|	|	|	0.70
82.667	0.00	0.33	1.006	O	|	|	|	0.69
82.750	0.00	0.33	1.004	O	|	|	|	0.69
82.833	0.00	0.32	1.002	O	|	|	|	0.69
82.917	0.00	0.32	1.000	O	|	|	|	0.69
83.000	0.00	0.32	0.998	O	|	|	|	0.69
83.083	0.00	0.32	0.995	O	|	|	|	0.69
83.167	0.00	0.32	0.993	O	|	|	|	0.68
83.250	0.00	0.32	0.991	O	|	|	|	0.68
83.333	0.00	0.32	0.989	O	|	|	|	0.68
83.417	0.00	0.32	0.986	O	|	|	|	0.68
83.500	0.00	0.32	0.984	O	|	|	|	0.68
83.583	0.00	0.32	0.982	O	|	|	|	0.68
83.667	0.00	0.32	0.980	O	|	|	|	0.68
83.750	0.00	0.32	0.978	O	|	|	|	0.67
83.833	0.00	0.32	0.976	O	|	|	|	0.67

83.917	0.00	0.32	0.973	O	|	|	|	|	0.67
84.000	0.00	0.31	0.971	O	|	|	|	|	0.67
84.083	0.00	0.31	0.969	O	|	|	|	|	0.67
84.167	0.00	0.31	0.967	O	|	|	|	|	0.67
84.250	0.00	0.31	0.965	O	|	|	|	|	0.67
84.333	0.00	0.31	0.963	O	|	|	|	|	0.66
84.417	0.00	0.31	0.960	O	|	|	|	|	0.66
84.500	0.00	0.31	0.958	O	|	|	|	|	0.66
84.583	0.00	0.31	0.956	O	|	|	|	|	0.66
84.667	0.00	0.31	0.954	O	|	|	|	|	0.66
84.750	0.00	0.31	0.952	O	|	|	|	|	0.66
84.833	0.00	0.31	0.950	O	|	|	|	|	0.65
84.917	0.00	0.31	0.948	O	|	|	|	|	0.65
85.000	0.00	0.31	0.946	O	|	|	|	|	0.65
85.083	0.00	0.31	0.943	O	|	|	|	|	0.65
85.167	0.00	0.31	0.941	O	|	|	|	|	0.65
85.250	0.00	0.30	0.939	O	|	|	|	|	0.65
85.333	0.00	0.30	0.937	O	|	|	|	|	0.65
85.417	0.00	0.30	0.935	O	|	|	|	|	0.64
85.500	0.00	0.30	0.933	O	|	|	|	|	0.64
85.583	0.00	0.30	0.931	O	|	|	|	|	0.64
85.667	0.00	0.30	0.929	O	|	|	|	|	0.64
85.750	0.00	0.30	0.927	O	|	|	|	|	0.64
85.833	0.00	0.30	0.925	O	|	|	|	|	0.64
85.917	0.00	0.30	0.923	O	|	|	|	|	0.64
86.000	0.00	0.30	0.921	O	|	|	|	|	0.63
86.083	0.00	0.30	0.918	O	|	|	|	|	0.63
86.167	0.00	0.30	0.916	O	|	|	|	|	0.63
86.250	0.00	0.30	0.914	O	|	|	|	|	0.63
86.333	0.00	0.30	0.912	O	|	|	|	|	0.63
86.417	0.00	0.30	0.910	O	|	|	|	|	0.63
86.500	0.00	0.29	0.908	O	|	|	|	|	0.63
86.583	0.00	0.29	0.906	O	|	|	|	|	0.62
86.667	0.00	0.29	0.904	O	|	|	|	|	0.62
86.750	0.00	0.29	0.902	O	|	|	|	|	0.62
86.833	0.00	0.29	0.900	O	|	|	|	|	0.62
86.917	0.00	0.29	0.898	O	|	|	|	|	0.62
87.000	0.00	0.29	0.896	O	|	|	|	|	0.62
87.083	0.00	0.29	0.894	O	|	|	|	|	0.62
87.167	0.00	0.29	0.892	O	|	|	|	|	0.62
87.250	0.00	0.29	0.890	O	|	|	|	|	0.61
87.333	0.00	0.29	0.888	O	|	|	|	|	0.61
87.417	0.00	0.29	0.886	O	|	|	|	|	0.61
87.500	0.00	0.29	0.884	O	|	|	|	|	0.61
87.583	0.00	0.29	0.882	O	|	|	|	|	0.61
87.667	0.00	0.29	0.880	O	|	|	|	|	0.61
87.750	0.00	0.28	0.878	O	|	|	|	|	0.61
87.833	0.00	0.28	0.876	O	|	|	|	|	0.60
87.917	0.00	0.28	0.874	O	|	|	|	|	0.60
88.000	0.00	0.28	0.872	O	|	|	|	|	0.60
88.083	0.00	0.28	0.871	O	|	|	|	|	0.60
88.167	0.00	0.28	0.869	O	|	|	|	|	0.60
88.250	0.00	0.28	0.867	O	|	|	|	|	0.60
88.333	0.00	0.28	0.865	O	|	|	|	|	0.60
88.417	0.00	0.28	0.863	O	|	|	|	|	0.60
88.500	0.00	0.28	0.861	O	|	|	|	|	0.59
88.583	0.00	0.28	0.859	O	|	|	|	|	0.59
88.667	0.00	0.28	0.857	O	|	|	|	|	0.59
88.750	0.00	0.28	0.855	O	|	|	|	|	0.59
88.833	0.00	0.28	0.853	O	|	|	|	|	0.59
88.917	0.00	0.28	0.851	O	|	|	|	|	0.59
89.000	0.00	0.28	0.849	O	|	|	|	|	0.59
89.083	0.00	0.27	0.848	O	|	|	|	|	0.58
89.167	0.00	0.27	0.846	O	|	|	|	|	0.58
89.250	0.00	0.27	0.844	O	|	|	|	|	0.58
89.333	0.00	0.27	0.842	O	|	|	|	|	0.58
89.417	0.00	0.27	0.840	O	|	|	|	|	0.58

89.500	0.00	0.27	0.838	O	|	|	|	0.58
89.583	0.00	0.27	0.836	O	|	|	|	0.58
89.667	0.00	0.27	0.834	O	|	|	|	0.58
89.750	0.00	0.27	0.833	O	|	|	|	0.57
89.833	0.00	0.27	0.831	O	|	|	|	0.57
89.917	0.00	0.27	0.829	O	|	|	|	0.57
90.000	0.00	0.27	0.827	O	|	|	|	0.57
90.083	0.00	0.27	0.825	O	|	|	|	0.57
90.167	0.00	0.27	0.823	O	|	|	|	0.57
90.250	0.00	0.27	0.821	O	|	|	|	0.57
90.333	0.00	0.27	0.820	O	|	|	|	0.57
90.417	0.00	0.27	0.818	O	|	|	|	0.56
90.500	0.00	0.26	0.816	O	|	|	|	0.56
90.583	0.00	0.26	0.814	O	|	|	|	0.56
90.667	0.00	0.26	0.812	O	|	|	|	0.56
90.750	0.00	0.26	0.811	O	|	|	|	0.56
90.833	0.00	0.26	0.809	O	|	|	|	0.56
90.917	0.00	0.26	0.807	O	|	|	|	0.56
91.000	0.00	0.26	0.805	O	|	|	|	0.56
91.083	0.00	0.26	0.803	O	|	|	|	0.55
91.167	0.00	0.26	0.802	O	|	|	|	0.55
91.250	0.00	0.26	0.800	O	|	|	|	0.55
91.333	0.00	0.26	0.798	O	|	|	|	0.55
91.417	0.00	0.26	0.796	O	|	|	|	0.55
91.500	0.00	0.26	0.794	O	|	|	|	0.55
91.583	0.00	0.26	0.793	O	|	|	|	0.55
91.667	0.00	0.26	0.791	O	|	|	|	0.55
91.750	0.00	0.26	0.789	O	|	|	|	0.54
91.833	0.00	0.26	0.787	O	|	|	|	0.54
91.917	0.00	0.25	0.786	O	|	|	|	0.54
92.000	0.00	0.25	0.784	O	|	|	|	0.54
92.083	0.00	0.25	0.782	O	|	|	|	0.54
92.167	0.00	0.25	0.780	O	|	|	|	0.54
92.250	0.00	0.25	0.779	O	|	|	|	0.54
92.333	0.00	0.25	0.777	O	|	|	|	0.54
92.417	0.00	0.25	0.775	O	|	|	|	0.53
92.500	0.00	0.25	0.773	O	|	|	|	0.53
92.583	0.00	0.25	0.772	O	|	|	|	0.53
92.667	0.00	0.25	0.770	O	|	|	|	0.53
92.750	0.00	0.25	0.768	O	|	|	|	0.53
92.833	0.00	0.25	0.767	O	|	|	|	0.53
92.917	0.00	0.25	0.765	O	|	|	|	0.53
93.000	0.00	0.25	0.763	O	|	|	|	0.53
93.083	0.00	0.25	0.761	O	|	|	|	0.53
93.167	0.00	0.25	0.760	O	|	|	|	0.52
93.250	0.00	0.25	0.758	O	|	|	|	0.52
93.333	0.00	0.25	0.756	O	|	|	|	0.52
93.417	0.00	0.24	0.755	O	|	|	|	0.52
93.500	0.00	0.24	0.753	O	|	|	|	0.52
93.583	0.00	0.24	0.751	O	|	|	|	0.52
93.667	0.00	0.24	0.750	O	|	|	|	0.52
93.750	0.00	0.24	0.748	O	|	|	|	0.52
93.833	0.00	0.24	0.746	O	|	|	|	0.51
93.917	0.00	0.24	0.745	O	|	|	|	0.51
94.000	0.00	0.24	0.743	O	|	|	|	0.51
94.083	0.00	0.24	0.741	O	|	|	|	0.51
94.167	0.00	0.24	0.740	O	|	|	|	0.51
94.250	0.00	0.24	0.738	O	|	|	|	0.51
94.333	0.00	0.24	0.736	O	|	|	|	0.51
94.417	0.00	0.24	0.735	O	|	|	|	0.51
94.500	0.00	0.24	0.733	O	|	|	|	0.51
94.583	0.00	0.24	0.731	O	|	|	|	0.50
94.667	0.00	0.24	0.730	O	|	|	|	0.50
94.750	0.00	0.24	0.728	O	|	|	|	0.50
94.833	0.00	0.24	0.727	O	|	|	|	0.50
94.917	0.00	0.23	0.725	O	|	|	|	0.50
95.000	0.00	0.23	0.723	O	|	|	|	0.50

95.083	0.00	0.23	0.722	O	|	|	|	0.50
95.167	0.00	0.23	0.720	O	|	|	|	0.50
95.250	0.00	0.23	0.718	O	|	|	|	0.50
95.333	0.00	0.23	0.717	O	|	|	|	0.49
95.417	0.00	0.23	0.715	O	|	|	|	0.49
95.500	0.00	0.23	0.714	O	|	|	|	0.49
95.583	0.00	0.23	0.712	O	|	|	|	0.49
95.667	0.00	0.23	0.711	O	|	|	|	0.49
95.750	0.00	0.23	0.709	O	|	|	|	0.49
95.833	0.00	0.23	0.707	O	|	|	|	0.49
95.917	0.00	0.23	0.706	O	|	|	|	0.49
96.000	0.00	0.23	0.704	O	|	|	|	0.49
96.083	0.00	0.23	0.703	O	|	|	|	0.48
96.167	0.00	0.23	0.701	O	|	|	|	0.48
96.250	0.00	0.23	0.699	O	|	|	|	0.48
96.333	0.00	0.23	0.698	O	|	|	|	0.48
96.417	0.00	0.23	0.696	O	|	|	|	0.48
96.500	0.00	0.23	0.695	O	|	|	|	0.48
96.583	0.00	0.22	0.693	O	|	|	|	0.48
96.667	0.00	0.22	0.692	O	|	|	|	0.48
96.750	0.00	0.22	0.690	O	|	|	|	0.48
96.833	0.00	0.22	0.689	O	|	|	|	0.47
96.917	0.00	0.22	0.687	O	|	|	|	0.47
97.000	0.00	0.22	0.686	O	|	|	|	0.47
97.083	0.00	0.22	0.684	O	|	|	|	0.47
97.167	0.00	0.22	0.683	O	|	|	|	0.47
97.250	0.00	0.22	0.681	O	|	|	|	0.47
97.333	0.00	0.22	0.679	O	|	|	|	0.47
97.417	0.00	0.22	0.678	O	|	|	|	0.47
97.500	0.00	0.22	0.676	O	|	|	|	0.47
97.583	0.00	0.22	0.675	O	|	|	|	0.47
97.667	0.00	0.22	0.673	O	|	|	|	0.46
97.750	0.00	0.22	0.672	O	|	|	|	0.46
97.833	0.00	0.22	0.670	O	|	|	|	0.46
97.917	0.00	0.22	0.669	O	|	|	|	0.46
98.000	0.00	0.22	0.667	O	|	|	|	0.46
98.083	0.00	0.22	0.666	O	|	|	|	0.46
98.167	0.00	0.22	0.664	O	|	|	|	0.46
98.250	0.00	0.21	0.663	O	|	|	|	0.46
98.333	0.00	0.21	0.662	O	|	|	|	0.46
98.417	0.00	0.21	0.660	O	|	|	|	0.46
98.500	0.00	0.21	0.659	O	|	|	|	0.45
98.583	0.00	0.21	0.657	O	|	|	|	0.45
98.667	0.00	0.21	0.656	O	|	|	|	0.45
98.750	0.00	0.21	0.654	O	|	|	|	0.45
98.833	0.00	0.21	0.653	O	|	|	|	0.45
98.917	0.00	0.21	0.651	O	|	|	|	0.45
99.000	0.00	0.21	0.650	O	|	|	|	0.45
99.083	0.00	0.21	0.648	O	|	|	|	0.45
99.167	0.00	0.21	0.647	O	|	|	|	0.45
99.250	0.00	0.21	0.645	O	|	|	|	0.45
99.333	0.00	0.21	0.644	O	|	|	|	0.44
99.417	0.00	0.21	0.643	O	|	|	|	0.44
99.500	0.00	0.21	0.641	O	|	|	|	0.44
99.583	0.00	0.21	0.640	O	|	|	|	0.44
99.667	0.00	0.21	0.638	O	|	|	|	0.44
99.750	0.00	0.21	0.637	O	|	|	|	0.44
99.833	0.00	0.21	0.635	O	|	|	|	0.44
99.917	0.00	0.21	0.634	O	|	|	|	0.44
100.000	0.00	0.21	0.633	O	|	|	|	0.44
100.083	0.00	0.20	0.631	O	|	|	|	0.44
100.167	0.00	0.20	0.630	O	|	|	|	0.43
100.250	0.00	0.20	0.628	O	|	|	|	0.43
100.333	0.00	0.20	0.627	O	|	|	|	0.43
100.417	0.00	0.20	0.626	O	|	|	|	0.43
100.500	0.00	0.20	0.624	O	|	|	|	0.43
100.583	0.00	0.20	0.623	O	|	|	|	0.43

100.667	0.00	0.20	0.621	O	|	|	|	0.43
100.750	0.00	0.20	0.620	O	|	|	|	0.43
100.833	0.00	0.20	0.619	O	|	|	|	0.43
100.917	0.00	0.20	0.617	O	|	|	|	0.43
101.000	0.00	0.20	0.616	O	|	|	|	0.42
101.083	0.00	0.20	0.615	O	|	|	|	0.42
101.167	0.00	0.20	0.613	O	|	|	|	0.42
101.250	0.00	0.20	0.612	O	|	|	|	0.42
101.333	0.00	0.20	0.610	O	|	|	|	0.42
101.417	0.00	0.20	0.609	O	|	|	|	0.42
101.500	0.00	0.20	0.608	O	|	|	|	0.42
101.583	0.00	0.20	0.606	O	|	|	|	0.42
101.667	0.00	0.20	0.605	O	|	|	|	0.42
101.750	0.00	0.20	0.604	O	|	|	|	0.42
101.833	0.00	0.20	0.602	O	|	|	|	0.42
101.917	0.00	0.19	0.601	O	|	|	|	0.41
102.000	0.00	0.19	0.600	O	|	|	|	0.41
102.083	0.00	0.19	0.598	O	|	|	|	0.41
102.167	0.00	0.19	0.597	O	|	|	|	0.41
102.250	0.00	0.19	0.596	O	|	|	|	0.41
102.333	0.00	0.19	0.594	O	|	|	|	0.41
102.417	0.00	0.19	0.593	O	|	|	|	0.41
102.500	0.00	0.19	0.592	O	|	|	|	0.41
102.583	0.00	0.19	0.590	O	|	|	|	0.41
102.667	0.00	0.19	0.589	O	|	|	|	0.41
102.750	0.00	0.19	0.588	O	|	|	|	0.41
102.833	0.00	0.19	0.586	O	|	|	|	0.40
102.917	0.00	0.19	0.585	O	|	|	|	0.40
103.000	0.00	0.19	0.584	O	|	|	|	0.40
103.083	0.00	0.19	0.582	O	|	|	|	0.40
103.167	0.00	0.19	0.581	O	|	|	|	0.40
103.250	0.00	0.19	0.580	O	|	|	|	0.40
103.333	0.00	0.19	0.579	O	|	|	|	0.40
103.417	0.00	0.19	0.577	O	|	|	|	0.40
103.500	0.00	0.19	0.576	O	|	|	|	0.40
103.583	0.00	0.19	0.575	O	|	|	|	0.40
103.667	0.00	0.19	0.573	O	|	|	|	0.40
103.750	0.00	0.19	0.572	O	|	|	|	0.39
103.833	0.00	0.19	0.571	O	|	|	|	0.39
103.917	0.00	0.18	0.570	O	|	|	|	0.39
104.000	0.00	0.18	0.568	O	|	|	|	0.39
104.083	0.00	0.18	0.567	O	|	|	|	0.39
104.167	0.00	0.18	0.566	O	|	|	|	0.39
104.250	0.00	0.18	0.565	O	|	|	|	0.39
104.333	0.00	0.18	0.563	O	|	|	|	0.39
104.417	0.00	0.18	0.562	O	|	|	|	0.39
104.500	0.00	0.18	0.561	O	|	|	|	0.39
104.583	0.00	0.18	0.560	O	|	|	|	0.39
104.667	0.00	0.18	0.558	O	|	|	|	0.39
104.750	0.00	0.18	0.557	O	|	|	|	0.38
104.833	0.00	0.18	0.556	O	|	|	|	0.38
104.917	0.00	0.18	0.555	O	|	|	|	0.38
105.000	0.00	0.18	0.553	O	|	|	|	0.38
105.083	0.00	0.18	0.552	O	|	|	|	0.38
105.167	0.00	0.18	0.551	O	|	|	|	0.38
105.250	0.00	0.18	0.550	O	|	|	|	0.38
105.333	0.00	0.18	0.548	O	|	|	|	0.38
105.417	0.00	0.18	0.547	O	|	|	|	0.38
105.500	0.00	0.18	0.546	O	|	|	|	0.38
105.583	0.00	0.18	0.545	O	|	|	|	0.38
105.667	0.00	0.18	0.544	O	|	|	|	0.37
105.750	0.00	0.18	0.542	O	|	|	|	0.37
105.833	0.00	0.18	0.541	O	|	|	|	0.37
105.917	0.00	0.18	0.540	O	|	|	|	0.37
106.000	0.00	0.17	0.539	O	|	|	|	0.37
106.083	0.00	0.17	0.538	O	|	|	|	0.37
106.167	0.00	0.17	0.536	O	|	|	|	0.37

106.250	0.00	0.17	0.535	O	|	|	|	0.37
106.333	0.00	0.17	0.534	O	|	|	|	0.37
106.417	0.00	0.17	0.533	O	|	|	|	0.37
106.500	0.00	0.17	0.532	O	|	|	|	0.37
106.583	0.00	0.17	0.530	O	|	|	|	0.37
106.667	0.00	0.17	0.529	O	|	|	|	0.36
106.750	0.00	0.17	0.528	O	|	|	|	0.36
106.833	0.00	0.17	0.527	O	|	|	|	0.36
106.917	0.00	0.17	0.526	O	|	|	|	0.36
107.000	0.00	0.17	0.524	O	|	|	|	0.36
107.083	0.00	0.17	0.523	O	|	|	|	0.36
107.167	0.00	0.17	0.522	O	|	|	|	0.36
107.250	0.00	0.17	0.521	O	|	|	|	0.36
107.333	0.00	0.17	0.520	O	|	|	|	0.36
107.417	0.00	0.17	0.519	O	|	|	|	0.36
107.500	0.00	0.17	0.517	O	|	|	|	0.36
107.583	0.00	0.17	0.516	O	|	|	|	0.36
107.667	0.00	0.17	0.515	O	|	|	|	0.36
107.750	0.00	0.17	0.514	O	|	|	|	0.35
107.833	0.00	0.17	0.513	O	|	|	|	0.35
107.917	0.00	0.17	0.512	O	|	|	|	0.35
108.000	0.00	0.17	0.511	O	|	|	|	0.35
108.083	0.00	0.17	0.509	O	|	|	|	0.35
108.167	0.00	0.16	0.508	O	|	|	|	0.35
108.250	0.00	0.16	0.507	O	|	|	|	0.35
108.333	0.00	0.16	0.506	O	|	|	|	0.35
108.417	0.00	0.16	0.505	O	|	|	|	0.35
108.500	0.00	0.16	0.504	O	|	|	|	0.35
108.583	0.00	0.16	0.503	O	|	|	|	0.35
108.667	0.00	0.16	0.502	O	|	|	|	0.35
108.750	0.00	0.16	0.500	O	|	|	|	0.35
108.833	0.00	0.16	0.499	O	|	|	|	0.34
108.917	0.00	0.16	0.498	O	|	|	|	0.34
109.000	0.00	0.16	0.497	O	|	|	|	0.34
109.083	0.00	0.16	0.496	O	|	|	|	0.34
109.167	0.00	0.16	0.495	O	|	|	|	0.34
109.250	0.00	0.16	0.494	O	|	|	|	0.34
109.333	0.00	0.16	0.493	O	|	|	|	0.34
109.417	0.00	0.16	0.492	O	|	|	|	0.34
109.500	0.00	0.16	0.490	O	|	|	|	0.34
109.583	0.00	0.16	0.489	O	|	|	|	0.34
109.667	0.00	0.16	0.488	O	|	|	|	0.34
109.750	0.00	0.16	0.487	O	|	|	|	0.34
109.833	0.00	0.16	0.486	O	|	|	|	0.34
109.917	0.00	0.16	0.485	O	|	|	|	0.33
110.000	0.00	0.16	0.484	O	|	|	|	0.33
110.083	0.00	0.16	0.483	O	|	|	|	0.33
110.167	0.00	0.16	0.482	O	|	|	|	0.33
110.250	0.00	0.16	0.481	O	|	|	|	0.33
110.333	0.00	0.16	0.480	O	|	|	|	0.33
110.417	0.00	0.16	0.479	O	|	|	|	0.33
110.500	0.00	0.15	0.478	O	|	|	|	0.33
110.583	0.00	0.15	0.476	O	|	|	|	0.33
110.667	0.00	0.15	0.475	O	|	|	|	0.33
110.750	0.00	0.15	0.474	O	|	|	|	0.33
110.833	0.00	0.15	0.473	O	|	|	|	0.33
110.917	0.00	0.15	0.472	O	|	|	|	0.33
111.000	0.00	0.15	0.471	O	|	|	|	0.32
111.083	0.00	0.15	0.470	O	|	|	|	0.32
111.167	0.00	0.15	0.469	O	|	|	|	0.32
111.250	0.00	0.15	0.468	O	|	|	|	0.32
111.333	0.00	0.15	0.467	O	|	|	|	0.32
111.417	0.00	0.15	0.466	O	|	|	|	0.32
111.500	0.00	0.15	0.465	O	|	|	|	0.32
111.583	0.00	0.15	0.464	O	|	|	|	0.32
111.667	0.00	0.15	0.463	O	|	|	|	0.32
111.750	0.00	0.15	0.462	O	|	|	|	0.32

111.833	0.00	0.15	0.461	O	|	|	|	|	0.32
111.917	0.00	0.15	0.460	O	|	|	|	|	0.32
112.000	0.00	0.15	0.459	O	|	|	|	|	0.32
112.083	0.00	0.15	0.458	O	|	|	|	|	0.32
112.167	0.00	0.15	0.457	O	|	|	|	|	0.31
112.250	0.00	0.15	0.456	O	|	|	|	|	0.31
112.333	0.00	0.15	0.455	O	|	|	|	|	0.31
112.417	0.00	0.15	0.454	O	|	|	|	|	0.31
112.500	0.00	0.15	0.453	O	|	|	|	|	0.31
112.583	0.00	0.15	0.452	O	|	|	|	|	0.31
112.667	0.00	0.15	0.451	O	|	|	|	|	0.31
112.750	0.00	0.15	0.450	O	|	|	|	|	0.31
112.833	0.00	0.15	0.449	O	|	|	|	|	0.31
112.917	0.00	0.15	0.448	O	|	|	|	|	0.31
113.000	0.00	0.14	0.447	O	|	|	|	|	0.31
113.083	0.00	0.14	0.446	O	|	|	|	|	0.31
113.167	0.00	0.14	0.445	O	|	|	|	|	0.31
113.250	0.00	0.14	0.444	O	|	|	|	|	0.31
113.333	0.00	0.14	0.443	O	|	|	|	|	0.31
113.417	0.00	0.14	0.442	O	|	|	|	|	0.30
113.500	0.00	0.14	0.441	O	|	|	|	|	0.30
113.583	0.00	0.14	0.440	O	|	|	|	|	0.30
113.667	0.00	0.14	0.439	O	|	|	|	|	0.30
113.750	0.00	0.14	0.438	O	|	|	|	|	0.30
113.833	0.00	0.14	0.437	O	|	|	|	|	0.30
113.917	0.00	0.14	0.436	O	|	|	|	|	0.30
114.000	0.00	0.14	0.435	O	|	|	|	|	0.30
114.083	0.00	0.14	0.434	O	|	|	|	|	0.30
114.167	0.00	0.14	0.433	O	|	|	|	|	0.30
114.250	0.00	0.14	0.432	O	|	|	|	|	0.30
114.333	0.00	0.14	0.431	O	|	|	|	|	0.30
114.417	0.00	0.14	0.430	O	|	|	|	|	0.30
114.500	0.00	0.14	0.429	O	|	|	|	|	0.30
114.583	0.00	0.14	0.428	O	|	|	|	|	0.30
114.667	0.00	0.14	0.427	O	|	|	|	|	0.29
114.750	0.00	0.14	0.426	O	|	|	|	|	0.29
114.833	0.00	0.14	0.425	O	|	|	|	|	0.29
114.917	0.00	0.14	0.424	O	|	|	|	|	0.29
115.000	0.00	0.14	0.423	O	|	|	|	|	0.29
115.083	0.00	0.14	0.422	O	|	|	|	|	0.29
115.167	0.00	0.14	0.421	O	|	|	|	|	0.29
115.250	0.00	0.14	0.420	O	|	|	|	|	0.29
115.333	0.00	0.14	0.420	O	|	|	|	|	0.29
115.417	0.00	0.14	0.419	O	|	|	|	|	0.29
115.500	0.00	0.14	0.418	O	|	|	|	|	0.29
115.583	0.00	0.14	0.417	O	|	|	|	|	0.29
115.667	0.00	0.13	0.416	O	|	|	|	|	0.29
115.750	0.00	0.13	0.415	O	|	|	|	|	0.29
115.833	0.00	0.13	0.414	O	|	|	|	|	0.29
115.917	0.00	0.13	0.413	O	|	|	|	|	0.28
116.000	0.00	0.13	0.412	O	|	|	|	|	0.28
116.083	0.00	0.13	0.411	O	|	|	|	|	0.28
116.167	0.00	0.13	0.410	O	|	|	|	|	0.28
116.250	0.00	0.13	0.409	O	|	|	|	|	0.28
116.333	0.00	0.13	0.408	O	|	|	|	|	0.28
116.417	0.00	0.13	0.408	O	|	|	|	|	0.28
116.500	0.00	0.13	0.407	O	|	|	|	|	0.28
116.583	0.00	0.13	0.406	O	|	|	|	|	0.28
116.667	0.00	0.13	0.405	O	|	|	|	|	0.28
116.750	0.00	0.13	0.404	O	|	|	|	|	0.28
116.833	0.00	0.13	0.403	O	|	|	|	|	0.28
116.917	0.00	0.13	0.402	O	|	|	|	|	0.28
117.000	0.00	0.13	0.401	O	|	|	|	|	0.28
117.083	0.00	0.13	0.400	O	|	|	|	|	0.28
117.167	0.00	0.13	0.399	O	|	|	|	|	0.28
117.250	0.00	0.13	0.399	O	|	|	|	|	0.27
117.333	0.00	0.13	0.398	O	|	|	|	|	0.27

117.417	0.00	0.13	0.397	O	|	|	|	|	0.27
117.500	0.00	0.13	0.396	O	|	|	|	|	0.27
117.583	0.00	0.13	0.395	O	|	|	|	|	0.27
117.667	0.00	0.13	0.394	O	|	|	|	|	0.27
117.750	0.00	0.13	0.393	O	|	|	|	|	0.27
117.833	0.00	0.13	0.392	O	|	|	|	|	0.27
117.917	0.00	0.13	0.391	O	|	|	|	|	0.27
118.000	0.00	0.13	0.391	O	|	|	|	|	0.27
118.083	0.00	0.13	0.390	O	|	|	|	|	0.27
118.167	0.00	0.13	0.389	O	|	|	|	|	0.27
118.250	0.00	0.13	0.388	O	|	|	|	|	0.27
118.333	0.00	0.13	0.387	O	|	|	|	|	0.27
118.417	0.00	0.13	0.386	O	|	|	|	|	0.27
118.500	0.00	0.12	0.385	O	|	|	|	|	0.27
118.583	0.00	0.12	0.385	O	|	|	|	|	0.27
118.667	0.00	0.12	0.384	O	|	|	|	|	0.26
118.750	0.00	0.12	0.383	O	|	|	|	|	0.26
118.833	0.00	0.12	0.382	O	|	|	|	|	0.26
118.917	0.00	0.12	0.381	O	|	|	|	|	0.26
119.000	0.00	0.12	0.380	O	|	|	|	|	0.26
119.083	0.00	0.12	0.379	O	|	|	|	|	0.26
119.167	0.00	0.12	0.379	O	|	|	|	|	0.26
119.250	0.00	0.12	0.378	O	|	|	|	|	0.26
119.333	0.00	0.12	0.377	O	|	|	|	|	0.26
119.417	0.00	0.12	0.376	O	|	|	|	|	0.26
119.500	0.00	0.12	0.375	O	|	|	|	|	0.26
119.583	0.00	0.12	0.374	O	|	|	|	|	0.26
119.667	0.00	0.12	0.374	O	|	|	|	|	0.26
119.750	0.00	0.12	0.373	O	|	|	|	|	0.26
119.833	0.00	0.12	0.372	O	|	|	|	|	0.26
119.917	0.00	0.12	0.371	O	|	|	|	|	0.26
120.000	0.00	0.12	0.370	O	|	|	|	|	0.26
120.083	0.00	0.12	0.369	O	|	|	|	|	0.25
120.167	0.00	0.12	0.369	O	|	|	|	|	0.25
120.250	0.00	0.12	0.368	O	|	|	|	|	0.25
120.333	0.00	0.12	0.367	O	|	|	|	|	0.25
120.417	0.00	0.12	0.366	O	|	|	|	|	0.25
120.500	0.00	0.12	0.365	O	|	|	|	|	0.25
120.583	0.00	0.12	0.364	O	|	|	|	|	0.25
120.667	0.00	0.12	0.364	O	|	|	|	|	0.25
120.750	0.00	0.12	0.363	O	|	|	|	|	0.25
120.833	0.00	0.12	0.362	O	|	|	|	|	0.25
120.917	0.00	0.12	0.361	O	|	|	|	|	0.25
121.000	0.00	0.12	0.360	O	|	|	|	|	0.25
121.083	0.00	0.12	0.360	O	|	|	|	|	0.25
121.167	0.00	0.12	0.359	O	|	|	|	|	0.25
121.250	0.00	0.12	0.358	O	|	|	|	|	0.25
121.333	0.00	0.12	0.357	O	|	|	|	|	0.25
121.417	0.00	0.12	0.356	O	|	|	|	|	0.25
121.500	0.00	0.12	0.356	O	|	|	|	|	0.25
121.583	0.00	0.12	0.355	O	|	|	|	|	0.24
121.667	0.00	0.11	0.354	O	|	|	|	|	0.24
121.750	0.00	0.11	0.353	O	|	|	|	|	0.24
121.833	0.00	0.11	0.352	O	|	|	|	|	0.24
121.917	0.00	0.11	0.352	O	|	|	|	|	0.24
122.000	0.00	0.11	0.351	O	|	|	|	|	0.24
122.083	0.00	0.11	0.350	O	|	|	|	|	0.24
122.167	0.00	0.11	0.349	O	|	|	|	|	0.24
122.250	0.00	0.11	0.349	O	|	|	|	|	0.24
122.333	0.00	0.11	0.348	O	|	|	|	|	0.24
122.417	0.00	0.11	0.347	O	|	|	|	|	0.24
122.500	0.00	0.11	0.346	O	|	|	|	|	0.24
122.583	0.00	0.11	0.345	O	|	|	|	|	0.24
122.667	0.00	0.11	0.345	O	|	|	|	|	0.24
122.750	0.00	0.11	0.344	O	|	|	|	|	0.24
122.833	0.00	0.11	0.343	O	|	|	|	|	0.24
122.917	0.00	0.11	0.342	O	|	|	|	|	0.24

123.000	0.00	0.11	0.342	O	|	|	|	|	0.24
123.083	0.00	0.11	0.341	O	|	|	|	|	0.24
123.167	0.00	0.11	0.340	O	|	|	|	|	0.23
123.250	0.00	0.11	0.339	O	|	|	|	|	0.23
123.333	0.00	0.11	0.339	O	|	|	|	|	0.23
123.417	0.00	0.11	0.338	O	|	|	|	|	0.23
123.500	0.00	0.11	0.337	O	|	|	|	|	0.23
123.583	0.00	0.11	0.336	O	|	|	|	|	0.23
123.667	0.00	0.11	0.336	O	|	|	|	|	0.23
123.750	0.00	0.11	0.335	O	|	|	|	|	0.23
123.833	0.00	0.11	0.334	O	|	|	|	|	0.23
123.917	0.00	0.11	0.333	O	|	|	|	|	0.23
124.000	0.00	0.11	0.333	O	|	|	|	|	0.23
124.083	0.00	0.11	0.332	O	|	|	|	|	0.23
124.167	0.00	0.11	0.331	O	|	|	|	|	0.23
124.250	0.00	0.11	0.330	O	|	|	|	|	0.23
124.333	0.00	0.11	0.330	O	|	|	|	|	0.23
124.417	0.00	0.11	0.329	O	|	|	|	|	0.23
124.500	0.00	0.11	0.328	O	|	|	|	|	0.23
124.583	0.00	0.11	0.327	O	|	|	|	|	0.23
124.667	0.00	0.11	0.327	O	|	|	|	|	0.23
124.750	0.00	0.11	0.326	O	|	|	|	|	0.22
124.833	0.00	0.11	0.325	O	|	|	|	|	0.22
124.917	0.00	0.11	0.325	O	|	|	|	|	0.22
125.000	0.00	0.10	0.324	O	|	|	|	|	0.22
125.083	0.00	0.10	0.323	O	|	|	|	|	0.22
125.167	0.00	0.10	0.322	O	|	|	|	|	0.22
125.250	0.00	0.10	0.322	O	|	|	|	|	0.22
125.333	0.00	0.10	0.321	O	|	|	|	|	0.22
125.417	0.00	0.10	0.320	O	|	|	|	|	0.22
125.500	0.00	0.10	0.320	O	|	|	|	|	0.22
125.583	0.00	0.10	0.319	O	|	|	|	|	0.22
125.667	0.00	0.10	0.318	O	|	|	|	|	0.22
125.750	0.00	0.10	0.317	O	|	|	|	|	0.22
125.833	0.00	0.10	0.317	O	|	|	|	|	0.22
125.917	0.00	0.10	0.316	O	|	|	|	|	0.22
126.000	0.00	0.10	0.315	O	|	|	|	|	0.22
126.083	0.00	0.10	0.315	O	|	|	|	|	0.22
126.167	0.00	0.10	0.314	O	|	|	|	|	0.22
126.250	0.00	0.10	0.313	O	|	|	|	|	0.22
126.333	0.00	0.10	0.312	O	|	|	|	|	0.22
126.417	0.00	0.10	0.312	O	|	|	|	|	0.22
126.500	0.00	0.10	0.311	O	|	|	|	|	0.21
126.583	0.00	0.10	0.310	O	|	|	|	|	0.21
126.667	0.00	0.10	0.310	O	|	|	|	|	0.21
126.750	0.00	0.10	0.309	O	|	|	|	|	0.21
126.833	0.00	0.10	0.308	O	|	|	|	|	0.21
126.917	0.00	0.10	0.308	O	|	|	|	|	0.21
127.000	0.00	0.10	0.307	O	|	|	|	|	0.21
127.083	0.00	0.10	0.306	O	|	|	|	|	0.21
127.167	0.00	0.10	0.306	O	|	|	|	|	0.21
127.250	0.00	0.10	0.305	O	|	|	|	|	0.21
127.333	0.00	0.10	0.304	O	|	|	|	|	0.21
127.417	0.00	0.10	0.304	O	|	|	|	|	0.21
127.500	0.00	0.10	0.303	O	|	|	|	|	0.21
127.583	0.00	0.10	0.302	O	|	|	|	|	0.21
127.667	0.00	0.10	0.301	O	|	|	|	|	0.21
127.750	0.00	0.10	0.301	O	|	|	|	|	0.21
127.833	0.00	0.10	0.300	O	|	|	|	|	0.21
127.917	0.00	0.10	0.299	O	|	|	|	|	0.21
128.000	0.00	0.10	0.299	O	|	|	|	|	0.21
128.083	0.00	0.10	0.298	O	|	|	|	|	0.21
128.167	0.00	0.10	0.297	O	|	|	|	|	0.21
128.250	0.00	0.10	0.297	O	|	|	|	|	0.20
128.333	0.00	0.10	0.296	O	|	|	|	|	0.20
128.417	0.00	0.10	0.295	O	|	|	|	|	0.20
128.500	0.00	0.10	0.295	O	|	|	|	|	0.20

128.583	0.00	0.10	0.294	O	|	|	|	|	0.20
128.667	0.00	0.10	0.294	O	|	|	|	|	0.20
128.750	0.00	0.09	0.293	O	|	|	|	|	0.20
128.833	0.00	0.09	0.292	O	|	|	|	|	0.20
128.917	0.00	0.09	0.292	O	|	|	|	|	0.20
129.000	0.00	0.09	0.291	O	|	|	|	|	0.20
129.083	0.00	0.09	0.290	O	|	|	|	|	0.20
129.167	0.00	0.09	0.290	O	|	|	|	|	0.20
129.250	0.00	0.09	0.289	O	|	|	|	|	0.20
129.333	0.00	0.09	0.288	O	|	|	|	|	0.20
129.417	0.00	0.09	0.288	O	|	|	|	|	0.20
129.500	0.00	0.09	0.287	O	|	|	|	|	0.20
129.583	0.00	0.09	0.286	O	|	|	|	|	0.20
129.667	0.00	0.09	0.286	O	|	|	|	|	0.20
129.750	0.00	0.09	0.285	O	|	|	|	|	0.20
129.833	0.00	0.09	0.284	O	|	|	|	|	0.20
129.917	0.00	0.09	0.284	O	|	|	|	|	0.20
130.000	0.00	0.09	0.283	O	|	|	|	|	0.20
130.083	0.00	0.09	0.283	O	|	|	|	|	0.19
130.167	0.00	0.09	0.282	O	|	|	|	|	0.19
130.250	0.00	0.09	0.281	O	|	|	|	|	0.19
130.333	0.00	0.09	0.281	O	|	|	|	|	0.19
130.417	0.00	0.09	0.280	O	|	|	|	|	0.19
130.500	0.00	0.09	0.279	O	|	|	|	|	0.19
130.583	0.00	0.09	0.279	O	|	|	|	|	0.19
130.667	0.00	0.09	0.278	O	|	|	|	|	0.19
130.750	0.00	0.09	0.278	O	|	|	|	|	0.19
130.833	0.00	0.09	0.277	O	|	|	|	|	0.19
130.917	0.00	0.09	0.276	O	|	|	|	|	0.19
131.000	0.00	0.09	0.276	O	|	|	|	|	0.19
131.083	0.00	0.09	0.275	O	|	|	|	|	0.19
131.167	0.00	0.09	0.275	O	|	|	|	|	0.19
131.250	0.00	0.09	0.274	O	|	|	|	|	0.19
131.333	0.00	0.09	0.273	O	|	|	|	|	0.19
131.417	0.00	0.09	0.273	O	|	|	|	|	0.19
131.500	0.00	0.09	0.272	O	|	|	|	|	0.19
131.583	0.00	0.09	0.271	O	|	|	|	|	0.19
131.667	0.00	0.09	0.271	O	|	|	|	|	0.19
131.750	0.00	0.09	0.270	O	|	|	|	|	0.19
131.833	0.00	0.09	0.270	O	|	|	|	|	0.19
131.917	0.00	0.09	0.269	O	|	|	|	|	0.19
132.000	0.00	0.09	0.268	O	|	|	|	|	0.19
132.083	0.00	0.09	0.268	O	|	|	|	|	0.18
132.167	0.00	0.09	0.267	O	|	|	|	|	0.18
132.250	0.00	0.09	0.267	O	|	|	|	|	0.18
132.333	0.00	0.09	0.266	O	|	|	|	|	0.18
132.417	0.00	0.09	0.265	O	|	|	|	|	0.18
132.500	0.00	0.09	0.265	O	|	|	|	|	0.18
132.583	0.00	0.09	0.264	O	|	|	|	|	0.18
132.667	0.00	0.09	0.264	O	|	|	|	|	0.18
132.750	0.00	0.09	0.263	O	|	|	|	|	0.18
132.833	0.00	0.09	0.263	O	|	|	|	|	0.18
132.917	0.00	0.08	0.262	O	|	|	|	|	0.18
133.000	0.00	0.08	0.261	O	|	|	|	|	0.18
133.083	0.00	0.08	0.261	O	|	|	|	|	0.18
133.167	0.00	0.08	0.260	O	|	|	|	|	0.18
133.250	0.00	0.08	0.260	O	|	|	|	|	0.18
133.333	0.00	0.08	0.259	O	|	|	|	|	0.18
133.417	0.00	0.08	0.258	O	|	|	|	|	0.18
133.500	0.00	0.08	0.258	O	|	|	|	|	0.18
133.583	0.00	0.08	0.257	O	|	|	|	|	0.18
133.667	0.00	0.08	0.257	O	|	|	|	|	0.18
133.750	0.00	0.08	0.256	O	|	|	|	|	0.18
133.833	0.00	0.08	0.256	O	|	|	|	|	0.18
133.917	0.00	0.08	0.255	O	|	|	|	|	0.18
134.000	0.00	0.08	0.254	O	|	|	|	|	0.18
134.083	0.00	0.08	0.254	O	|	|	|	|	0.18

134.167	0.00	0.08	0.253	O	|	|	|	|	0.17
134.250	0.00	0.08	0.253	O	|	|	|	|	0.17
134.333	0.00	0.08	0.252	O	|	|	|	|	0.17
134.417	0.00	0.08	0.252	O	|	|	|	|	0.17
134.500	0.00	0.08	0.251	O	|	|	|	|	0.17
134.583	0.00	0.08	0.251	O	|	|	|	|	0.17
134.667	0.00	0.08	0.250	O	|	|	|	|	0.17
134.750	0.00	0.08	0.249	O	|	|	|	|	0.17
134.833	0.00	0.08	0.249	O	|	|	|	|	0.17
134.917	0.00	0.08	0.248	O	|	|	|	|	0.17
135.000	0.00	0.08	0.248	O	|	|	|	|	0.17
135.083	0.00	0.08	0.247	O	|	|	|	|	0.17
135.167	0.00	0.08	0.247	O	|	|	|	|	0.17
135.250	0.00	0.08	0.246	O	|	|	|	|	0.17
135.333	0.00	0.08	0.246	O	|	|	|	|	0.17
135.417	0.00	0.08	0.245	O	|	|	|	|	0.17
135.500	0.00	0.08	0.244	O	|	|	|	|	0.17
135.583	0.00	0.08	0.244	O	|	|	|	|	0.17
135.667	0.00	0.08	0.243	O	|	|	|	|	0.17
135.750	0.00	0.08	0.243	O	|	|	|	|	0.17
135.833	0.00	0.08	0.242	O	|	|	|	|	0.17
135.917	0.00	0.08	0.242	O	|	|	|	|	0.17
136.000	0.00	0.08	0.241	O	|	|	|	|	0.17
136.083	0.00	0.08	0.241	O	|	|	|	|	0.17
136.167	0.00	0.08	0.240	O	|	|	|	|	0.17
136.250	0.00	0.08	0.240	O	|	|	|	|	0.17
136.333	0.00	0.08	0.239	O	|	|	|	|	0.16
136.417	0.00	0.08	0.238	O	|	|	|	|	0.16
136.500	0.00	0.08	0.238	O	|	|	|	|	0.16
136.583	0.00	0.08	0.237	O	|	|	|	|	0.16
136.667	0.00	0.08	0.237	O	|	|	|	|	0.16
136.750	0.00	0.08	0.236	O	|	|	|	|	0.16
136.833	0.00	0.08	0.236	O	|	|	|	|	0.16
136.917	0.00	0.08	0.235	O	|	|	|	|	0.16
137.000	0.00	0.08	0.235	O	|	|	|	|	0.16
137.083	0.00	0.08	0.234	O	|	|	|	|	0.16
137.167	0.00	0.08	0.234	O	|	|	|	|	0.16
137.250	0.00	0.08	0.233	O	|	|	|	|	0.16
137.333	0.00	0.08	0.233	O	|	|	|	|	0.16
137.417	0.00	0.08	0.232	O	|	|	|	|	0.16
137.500	0.00	0.08	0.232	O	|	|	|	|	0.16
137.583	0.00	0.07	0.231	O	|	|	|	|	0.16
137.667	0.00	0.07	0.231	O	|	|	|	|	0.16
137.750	0.00	0.07	0.230	O	|	|	|	|	0.16
137.833	0.00	0.07	0.230	O	|	|	|	|	0.16
137.917	0.00	0.07	0.229	O	|	|	|	|	0.16
138.000	0.00	0.07	0.229	O	|	|	|	|	0.16
138.083	0.00	0.07	0.228	O	|	|	|	|	0.16
138.167	0.00	0.07	0.228	O	|	|	|	|	0.16
138.250	0.00	0.07	0.227	O	|	|	|	|	0.16
138.333	0.00	0.07	0.227	O	|	|	|	|	0.16
138.417	0.00	0.07	0.226	O	|	|	|	|	0.16
138.500	0.00	0.07	0.226	O	|	|	|	|	0.16
138.583	0.00	0.07	0.225	O	|	|	|	|	0.16
138.667	0.00	0.07	0.225	O	|	|	|	|	0.15
138.750	0.00	0.07	0.224	O	|	|	|	|	0.15
138.833	0.00	0.07	0.224	O	|	|	|	|	0.15
138.917	0.00	0.07	0.223	O	|	|	|	|	0.15
139.000	0.00	0.07	0.223	O	|	|	|	|	0.15
139.083	0.00	0.07	0.222	O	|	|	|	|	0.15
139.167	0.00	0.07	0.222	O	|	|	|	|	0.15
139.250	0.00	0.07	0.221	O	|	|	|	|	0.15
139.333	0.00	0.07	0.221	O	|	|	|	|	0.15
139.417	0.00	0.07	0.220	O	|	|	|	|	0.15
139.500	0.00	0.07	0.220	O	|	|	|	|	0.15
139.583	0.00	0.07	0.219	O	|	|	|	|	0.15
139.667	0.00	0.07	0.219	O	|	|	|	|	0.15

139.750	0.00	0.07	0.218	O	|	|	|	0.15
139.833	0.00	0.07	0.218	O	|	|	|	0.15
139.917	0.00	0.07	0.217	O	|	|	|	0.15
140.000	0.00	0.07	0.217	O	|	|	|	0.15
140.083	0.00	0.07	0.216	O	|	|	|	0.15
140.167	0.00	0.07	0.216	O	|	|	|	0.15
140.250	0.00	0.07	0.215	O	|	|	|	0.15
140.333	0.00	0.07	0.215	O	|	|	|	0.15
140.417	0.00	0.07	0.214	O	|	|	|	0.15
140.500	0.00	0.07	0.214	O	|	|	|	0.15
140.583	0.00	0.07	0.213	O	|	|	|	0.15
140.667	0.00	0.07	0.213	O	|	|	|	0.15
140.750	0.00	0.07	0.212	O	|	|	|	0.15
140.833	0.00	0.07	0.212	O	|	|	|	0.15
140.917	0.00	0.07	0.211	O	|	|	|	0.15
141.000	0.00	0.07	0.211	O	|	|	|	0.15
141.083	0.00	0.07	0.210	O	|	|	|	0.15
141.167	0.00	0.07	0.210	O	|	|	|	0.14
141.250	0.00	0.07	0.210	O	|	|	|	0.14
141.333	0.00	0.07	0.209	O	|	|	|	0.14
141.417	0.00	0.07	0.209	O	|	|	|	0.14
141.500	0.00	0.07	0.208	O	|	|	|	0.14
141.583	0.00	0.07	0.208	O	|	|	|	0.14
141.667	0.00	0.07	0.207	O	|	|	|	0.14
141.750	0.00	0.07	0.207	O	|	|	|	0.14
141.833	0.00	0.07	0.206	O	|	|	|	0.14
141.917	0.00	0.07	0.206	O	|	|	|	0.14
142.000	0.00	0.07	0.205	O	|	|	|	0.14
142.083	0.00	0.07	0.205	O	|	|	|	0.14
142.167	0.00	0.07	0.204	O	|	|	|	0.14
142.250	0.00	0.07	0.204	O	|	|	|	0.14
142.333	0.00	0.07	0.204	O	|	|	|	0.14
142.417	0.00	0.07	0.203	O	|	|	|	0.14
142.500	0.00	0.07	0.203	O	|	|	|	0.14
142.583	0.00	0.07	0.202	O	|	|	|	0.14
142.667	0.00	0.07	0.202	O	|	|	|	0.14
142.750	0.00	0.07	0.201	O	|	|	|	0.14
142.833	0.00	0.07	0.201	O	|	|	|	0.14
142.917	0.00	0.06	0.200	O	|	|	|	0.14
143.000	0.00	0.06	0.200	O	|	|	|	0.14
143.083	0.00	0.06	0.199	O	|	|	|	0.14
143.167	0.00	0.06	0.199	O	|	|	|	0.14
143.250	0.00	0.06	0.199	O	|	|	|	0.14
143.333	0.00	0.06	0.198	O	|	|	|	0.14
143.417	0.00	0.06	0.198	O	|	|	|	0.14
143.500	0.00	0.06	0.197	O	|	|	|	0.14
143.583	0.00	0.06	0.197	O	|	|	|	0.14
143.667	0.00	0.06	0.196	O	|	|	|	0.14
143.750	0.00	0.06	0.196	O	|	|	|	0.14
143.833	0.00	0.06	0.196	O	|	|	|	0.13
143.917	0.00	0.06	0.195	O	|	|	|	0.13
144.000	0.00	0.06	0.195	O	|	|	|	0.13
144.083	0.00	0.06	0.194	O	|	|	|	0.13
144.167	0.00	0.06	0.194	O	|	|	|	0.13
144.250	0.00	0.06	0.193	O	|	|	|	0.13
144.333	0.00	0.06	0.193	O	|	|	|	0.13
144.417	0.00	0.06	0.192	O	|	|	|	0.13
144.500	0.00	0.06	0.192	O	|	|	|	0.13
144.583	0.00	0.06	0.192	O	|	|	|	0.13
144.667	0.00	0.06	0.191	O	|	|	|	0.13
144.750	0.00	0.06	0.191	O	|	|	|	0.13
144.833	0.00	0.06	0.190	O	|	|	|	0.13
144.917	0.00	0.06	0.190	O	|	|	|	0.13
145.000	0.00	0.06	0.190	O	|	|	|	0.13
145.083	0.00	0.06	0.189	O	|	|	|	0.13
145.167	0.00	0.06	0.189	O	|	|	|	0.13
145.250	0.00	0.06	0.188	O	|	|	|	0.13

145.333	0.00	0.06	0.188	O	|	|	|	0.13
145.417	0.00	0.06	0.187	O	|	|	|	0.13
145.500	0.00	0.06	0.187	O	|	|	|	0.13
145.583	0.00	0.06	0.187	O	|	|	|	0.13
145.667	0.00	0.06	0.186	O	|	|	|	0.13
145.750	0.00	0.06	0.186	O	|	|	|	0.13
145.833	0.00	0.06	0.185	O	|	|	|	0.13
145.917	0.00	0.06	0.185	O	|	|	|	0.13
146.000	0.00	0.06	0.184	O	|	|	|	0.13
146.083	0.00	0.06	0.184	O	|	|	|	0.13
146.167	0.00	0.06	0.184	O	|	|	|	0.13
146.250	0.00	0.06	0.183	O	|	|	|	0.13
146.333	0.00	0.06	0.183	O	|	|	|	0.13
146.417	0.00	0.06	0.182	O	|	|	|	0.13
146.500	0.00	0.06	0.182	O	|	|	|	0.13
146.583	0.00	0.06	0.182	O	|	|	|	0.13
146.667	0.00	0.06	0.181	O	|	|	|	0.12
146.750	0.00	0.06	0.181	O	|	|	|	0.12
146.833	0.00	0.06	0.180	O	|	|	|	0.12
146.917	0.00	0.06	0.180	O	|	|	|	0.12
147.000	0.00	0.06	0.180	O	|	|	|	0.12
147.083	0.00	0.06	0.179	O	|	|	|	0.12
147.167	0.00	0.06	0.179	O	|	|	|	0.12
147.250	0.00	0.06	0.178	O	|	|	|	0.12
147.333	0.00	0.06	0.178	O	|	|	|	0.12
147.417	0.00	0.06	0.178	O	|	|	|	0.12
147.500	0.00	0.06	0.177	O	|	|	|	0.12
147.583	0.00	0.06	0.177	O	|	|	|	0.12
147.667	0.00	0.06	0.176	O	|	|	|	0.12
147.750	0.00	0.06	0.176	O	|	|	|	0.12
147.833	0.00	0.06	0.176	O	|	|	|	0.12
147.917	0.00	0.06	0.175	O	|	|	|	0.12
148.000	0.00	0.06	0.175	O	|	|	|	0.12
148.083	0.00	0.06	0.174	O	|	|	|	0.12
148.167	0.00	0.06	0.174	O	|	|	|	0.12
148.250	0.00	0.06	0.174	O	|	|	|	0.12
148.333	0.00	0.06	0.173	O	|	|	|	0.12
148.417	0.00	0.06	0.173	O	|	|	|	0.12
148.500	0.00	0.06	0.173	O	|	|	|	0.12
148.583	0.00	0.06	0.172	O	|	|	|	0.12
148.667	0.00	0.06	0.172	O	|	|	|	0.12
148.750	0.00	0.06	0.171	O	|	|	|	0.12
148.833	0.00	0.06	0.171	O	|	|	|	0.12
148.917	0.00	0.06	0.171	O	|	|	|	0.12
149.000	0.00	0.06	0.170	O	|	|	|	0.12
149.083	0.00	0.06	0.170	O	|	|	|	0.12
149.167	0.00	0.05	0.169	O	|	|	|	0.12
149.250	0.00	0.05	0.169	O	|	|	|	0.12
149.333	0.00	0.05	0.169	O	|	|	|	0.12
149.417	0.00	0.05	0.168	O	|	|	|	0.12
149.500	0.00	0.05	0.168	O	|	|	|	0.12
149.583	0.00	0.05	0.168	O	|	|	|	0.12
149.667	0.00	0.05	0.167	O	|	|	|	0.12
149.750	0.00	0.05	0.167	O	|	|	|	0.12
149.833	0.00	0.05	0.166	O	|	|	|	0.11
149.917	0.00	0.05	0.166	O	|	|	|	0.11
150.000	0.00	0.05	0.166	O	|	|	|	0.11
150.083	0.00	0.05	0.165	O	|	|	|	0.11
150.167	0.00	0.05	0.165	O	|	|	|	0.11
150.250	0.00	0.05	0.165	O	|	|	|	0.11
150.333	0.00	0.05	0.164	O	|	|	|	0.11
150.417	0.00	0.05	0.164	O	|	|	|	0.11
150.500	0.00	0.05	0.164	O	|	|	|	0.11
150.583	0.00	0.05	0.163	O	|	|	|	0.11
150.667	0.00	0.05	0.163	O	|	|	|	0.11
150.750	0.00	0.05	0.162	O	|	|	|	0.11
150.833	0.00	0.05	0.162	O	|	|	|	0.11

150.917	0.00	0.05	0.162	O	|	|	|	0.11
151.000	0.00	0.05	0.161	O	|	|	|	0.11
151.083	0.00	0.05	0.161	O	|	|	|	0.11
151.167	0.00	0.05	0.161	O	|	|	|	0.11
151.250	0.00	0.05	0.160	O	|	|	|	0.11
151.333	0.00	0.05	0.160	O	|	|	|	0.11
151.417	0.00	0.05	0.160	O	|	|	|	0.11
151.500	0.00	0.05	0.159	O	|	|	|	0.11
151.583	0.00	0.05	0.159	O	|	|	|	0.11
151.667	0.00	0.05	0.159	O	|	|	|	0.11
151.750	0.00	0.05	0.158	O	|	|	|	0.11
151.833	0.00	0.05	0.158	O	|	|	|	0.11
151.917	0.00	0.05	0.157	O	|	|	|	0.11
152.000	0.00	0.05	0.157	O	|	|	|	0.11
152.083	0.00	0.05	0.157	O	|	|	|	0.11
152.167	0.00	0.05	0.156	O	|	|	|	0.11
152.250	0.00	0.05	0.156	O	|	|	|	0.11
152.333	0.00	0.05	0.156	O	|	|	|	0.11
152.417	0.00	0.05	0.155	O	|	|	|	0.11
152.500	0.00	0.05	0.155	O	|	|	|	0.11
152.583	0.00	0.05	0.155	O	|	|	|	0.11
152.667	0.00	0.05	0.154	O	|	|	|	0.11
152.750	0.00	0.05	0.154	O	|	|	|	0.11
152.833	0.00	0.05	0.154	O	|	|	|	0.11
152.917	0.00	0.05	0.153	O	|	|	|	0.11
153.000	0.00	0.05	0.153	O	|	|	|	0.11
153.083	0.00	0.05	0.153	O	|	|	|	0.11
153.167	0.00	0.05	0.152	O	|	|	|	0.11
153.250	0.00	0.05	0.152	O	|	|	|	0.10
153.333	0.00	0.05	0.152	O	|	|	|	0.10
153.417	0.00	0.05	0.151	O	|	|	|	0.10
153.500	0.00	0.05	0.151	O	|	|	|	0.10
153.583	0.00	0.05	0.151	O	|	|	|	0.10
153.667	0.00	0.05	0.150	O	|	|	|	0.10
153.750	0.00	0.05	0.150	O	|	|	|	0.10
153.833	0.00	0.05	0.150	O	|	|	|	0.10
153.917	0.00	0.05	0.149	O	|	|	|	0.10
154.000	0.00	0.05	0.149	O	|	|	|	0.10
154.083	0.00	0.05	0.149	O	|	|	|	0.10
154.167	0.00	0.05	0.148	O	|	|	|	0.10
154.250	0.00	0.05	0.148	O	|	|	|	0.10
154.333	0.00	0.05	0.148	O	|	|	|	0.10
154.417	0.00	0.05	0.147	O	|	|	|	0.10
154.500	0.00	0.05	0.147	O	|	|	|	0.10
154.583	0.00	0.05	0.147	O	|	|	|	0.10
154.667	0.00	0.05	0.146	O	|	|	|	0.10
154.750	0.00	0.05	0.146	O	|	|	|	0.10
154.833	0.00	0.05	0.146	O	|	|	|	0.10
154.917	0.00	0.05	0.145	O	|	|	|	0.10
155.000	0.00	0.05	0.145	O	|	|	|	0.10
155.083	0.00	0.05	0.145	O	|	|	|	0.10
155.167	0.00	0.05	0.144	O	|	|	|	0.10
155.250	0.00	0.05	0.144	O	|	|	|	0.10
155.333	0.00	0.05	0.144	O	|	|	|	0.10
155.417	0.00	0.05	0.143	O	|	|	|	0.10
155.500	0.00	0.05	0.143	O	|	|	|	0.10
155.583	0.00	0.05	0.143	O	|	|	|	0.10
155.667	0.00	0.05	0.142	O	|	|	|	0.10
155.750	0.00	0.05	0.142	O	|	|	|	0.10
155.833	0.00	0.05	0.142	O	|	|	|	0.10
155.917	0.00	0.05	0.141	O	|	|	|	0.10
156.000	0.00	0.05	0.141	O	|	|	|	0.10
156.083	0.00	0.05	0.141	O	|	|	|	0.10
156.167	0.00	0.05	0.141	O	|	|	|	0.10
156.250	0.00	0.05	0.140	O	|	|	|	0.10
156.333	0.00	0.05	0.140	O	|	|	|	0.10
156.417	0.00	0.05	0.140	O	|	|	|	0.10

156.500	0.00	0.05	0.139	O	|	|	|	|	0.10
156.583	0.00	0.05	0.139	O	|	|	|	|	0.10
156.667	0.00	0.04	0.139	O	|	|	|	|	0.10
156.750	0.00	0.04	0.138	O	|	|	|	|	0.10
156.833	0.00	0.04	0.138	O	|	|	|	|	0.10
156.917	0.00	0.04	0.138	O	|	|	|	|	0.09
157.000	0.00	0.04	0.137	O	|	|	|	|	0.09
157.083	0.00	0.04	0.137	O	|	|	|	|	0.09
157.167	0.00	0.04	0.137	O	|	|	|	|	0.09
157.250	0.00	0.04	0.136	O	|	|	|	|	0.09
157.333	0.00	0.04	0.136	O	|	|	|	|	0.09
157.417	0.00	0.04	0.136	O	|	|	|	|	0.09
157.500	0.00	0.04	0.136	O	|	|	|	|	0.09
157.583	0.00	0.04	0.135	O	|	|	|	|	0.09
157.667	0.00	0.04	0.135	O	|	|	|	|	0.09
157.750	0.00	0.04	0.135	O	|	|	|	|	0.09
157.833	0.00	0.04	0.134	O	|	|	|	|	0.09
157.917	0.00	0.04	0.134	O	|	|	|	|	0.09
158.000	0.00	0.04	0.134	O	|	|	|	|	0.09
158.083	0.00	0.04	0.133	O	|	|	|	|	0.09
158.167	0.00	0.04	0.133	O	|	|	|	|	0.09
158.250	0.00	0.04	0.133	O	|	|	|	|	0.09
158.333	0.00	0.04	0.133	O	|	|	|	|	0.09
158.417	0.00	0.04	0.132	O	|	|	|	|	0.09
158.500	0.00	0.04	0.132	O	|	|	|	|	0.09
158.583	0.00	0.04	0.132	O	|	|	|	|	0.09
158.667	0.00	0.04	0.131	O	|	|	|	|	0.09
158.750	0.00	0.04	0.131	O	|	|	|	|	0.09
158.833	0.00	0.04	0.131	O	|	|	|	|	0.09
158.917	0.00	0.04	0.131	O	|	|	|	|	0.09
159.000	0.00	0.04	0.130	O	|	|	|	|	0.09
159.083	0.00	0.04	0.130	O	|	|	|	|	0.09
159.167	0.00	0.04	0.130	O	|	|	|	|	0.09
159.250	0.00	0.04	0.129	O	|	|	|	|	0.09
159.333	0.00	0.04	0.129	O	|	|	|	|	0.09
159.417	0.00	0.04	0.129	O	|	|	|	|	0.09
159.500	0.00	0.04	0.129	O	|	|	|	|	0.09
159.583	0.00	0.04	0.128	O	|	|	|	|	0.09
159.667	0.00	0.04	0.128	O	|	|	|	|	0.09
159.750	0.00	0.04	0.128	O	|	|	|	|	0.09
159.833	0.00	0.04	0.127	O	|	|	|	|	0.09
159.917	0.00	0.04	0.127	O	|	|	|	|	0.09
160.000	0.00	0.04	0.127	O	|	|	|	|	0.09
160.083	0.00	0.04	0.127	O	|	|	|	|	0.09
160.167	0.00	0.04	0.126	O	|	|	|	|	0.09
160.250	0.00	0.04	0.126	O	|	|	|	|	0.09
160.333	0.00	0.04	0.126	O	|	|	|	|	0.09
160.417	0.00	0.04	0.125	O	|	|	|	|	0.09
160.500	0.00	0.04	0.125	O	|	|	|	|	0.09
160.583	0.00	0.04	0.125	O	|	|	|	|	0.09
160.667	0.00	0.04	0.125	O	|	|	|	|	0.09
160.750	0.00	0.04	0.124	O	|	|	|	|	0.09
160.833	0.00	0.04	0.124	O	|	|	|	|	0.09
160.917	0.00	0.04	0.124	O	|	|	|	|	0.09
161.000	0.00	0.04	0.123	O	|	|	|	|	0.09
161.083	0.00	0.04	0.123	O	|	|	|	|	0.08
161.167	0.00	0.04	0.123	O	|	|	|	|	0.08
161.250	0.00	0.04	0.123	O	|	|	|	|	0.08
161.333	0.00	0.04	0.122	O	|	|	|	|	0.08
161.417	0.00	0.04	0.122	O	|	|	|	|	0.08
161.500	0.00	0.04	0.122	O	|	|	|	|	0.08
161.583	0.00	0.04	0.122	O	|	|	|	|	0.08
161.667	0.00	0.04	0.121	O	|	|	|	|	0.08
161.750	0.00	0.04	0.121	O	|	|	|	|	0.08
161.833	0.00	0.04	0.121	O	|	|	|	|	0.08
161.917	0.00	0.04	0.120	O	|	|	|	|	0.08
162.000	0.00	0.04	0.120	O	|	|	|	|	0.08

162.083	0.00	0.04	0.120	O	|	|	|	0.08
162.167	0.00	0.04	0.120	O	|	|	|	0.08
162.250	0.00	0.04	0.119	O	|	|	|	0.08
162.333	0.00	0.04	0.119	O	|	|	|	0.08
162.417	0.00	0.04	0.119	O	|	|	|	0.08
162.500	0.00	0.04	0.119	O	|	|	|	0.08
162.583	0.00	0.04	0.118	O	|	|	|	0.08
162.667	0.00	0.04	0.118	O	|	|	|	0.08
162.750	0.00	0.04	0.118	O	|	|	|	0.08
162.833	0.00	0.04	0.118	O	|	|	|	0.08
162.917	0.00	0.04	0.117	O	|	|	|	0.08
163.000	0.00	0.04	0.117	O	|	|	|	0.08
163.083	0.00	0.04	0.117	O	|	|	|	0.08
163.167	0.00	0.04	0.116	O	|	|	|	0.08
163.250	0.00	0.04	0.116	O	|	|	|	0.08
163.333	0.00	0.04	0.116	O	|	|	|	0.08
163.417	0.00	0.04	0.116	O	|	|	|	0.08
163.500	0.00	0.04	0.115	O	|	|	|	0.08
163.583	0.00	0.04	0.115	O	|	|	|	0.08
163.667	0.00	0.04	0.115	O	|	|	|	0.08
163.750	0.00	0.04	0.115	O	|	|	|	0.08
163.833	0.00	0.04	0.114	O	|	|	|	0.08
163.917	0.00	0.04	0.114	O	|	|	|	0.08
164.000	0.00	0.04	0.114	O	|	|	|	0.08
164.083	0.00	0.04	0.114	O	|	|	|	0.08
164.167	0.00	0.04	0.113	O	|	|	|	0.08
164.250	0.00	0.04	0.113	O	|	|	|	0.08
164.333	0.00	0.04	0.113	O	|	|	|	0.08
164.417	0.00	0.04	0.113	O	|	|	|	0.08
164.500	0.00	0.04	0.112	O	|	|	|	0.08
164.583	0.00	0.04	0.112	O	|	|	|	0.08
164.667	0.00	0.04	0.112	O	|	|	|	0.08
164.750	0.00	0.04	0.112	O	|	|	|	0.08
164.833	0.00	0.04	0.111	O	|	|	|	0.08
164.917	0.00	0.04	0.111	O	|	|	|	0.08
165.000	0.00	0.04	0.111	O	|	|	|	0.08
165.083	0.00	0.04	0.111	O	|	|	|	0.08
165.167	0.00	0.04	0.110	O	|	|	|	0.08
165.250	0.00	0.04	0.110	O	|	|	|	0.08
165.333	0.00	0.04	0.110	O	|	|	|	0.08
165.417	0.00	0.04	0.110	O	|	|	|	0.08
165.500	0.00	0.04	0.109	O	|	|	|	0.08
165.583	0.00	0.04	0.109	O	|	|	|	0.08
165.667	0.00	0.04	0.109	O	|	|	|	0.08
165.750	0.00	0.04	0.109	O	|	|	|	0.07
165.833	0.00	0.04	0.108	O	|	|	|	0.07
165.917	0.00	0.04	0.108	O	|	|	|	0.07
166.000	0.00	0.03	0.108	O	|	|	|	0.07
166.083	0.00	0.03	0.108	O	|	|	|	0.07
166.167	0.00	0.03	0.107	O	|	|	|	0.07
166.250	0.00	0.03	0.107	O	|	|	|	0.07
166.333	0.00	0.03	0.107	O	|	|	|	0.07
166.417	0.00	0.03	0.107	O	|	|	|	0.07
166.500	0.00	0.03	0.107	O	|	|	|	0.07
166.583	0.00	0.03	0.106	O	|	|	|	0.07
166.667	0.00	0.03	0.106	O	|	|	|	0.07
166.750	0.00	0.03	0.106	O	|	|	|	0.07
166.833	0.00	0.03	0.106	O	|	|	|	0.07
166.917	0.00	0.03	0.105	O	|	|	|	0.07
167.000	0.00	0.03	0.105	O	|	|	|	0.07
167.083	0.00	0.03	0.105	O	|	|	|	0.07
167.167	0.00	0.03	0.105	O	|	|	|	0.07
167.250	0.00	0.03	0.104	O	|	|	|	0.07
167.333	0.00	0.03	0.104	O	|	|	|	0.07
167.417	0.00	0.03	0.104	O	|	|	|	0.07
167.500	0.00	0.03	0.104	O	|	|	|	0.07
167.583	0.00	0.03	0.103	O	|	|	|	0.07

167.667	0.00	0.03	0.103	O					0.07
167.750	0.00	0.03	0.103	O					0.07
167.833	0.00	0.03	0.103	O					0.07
167.917	0.00	0.03	0.103	O					0.07
168.000	0.00	0.03	0.102	O					0.07
168.083	0.00	0.03	0.102	O					0.07
168.167	0.00	0.03	0.102	O					0.07
168.250	0.00	0.03	0.102	O					0.07
168.333	0.00	0.03	0.101	O					0.07
168.417	0.00	0.03	0.101	O					0.07
168.500	0.00	0.03	0.101	O					0.07
168.583	0.00	0.03	0.101	O					0.07
168.667	0.00	0.03	0.101	O					0.07
168.750	0.00	0.03	0.100	O					0.07
168.833	0.00	0.03	0.100	O					0.07
168.917	0.00	0.03	0.100	O					0.07
169.000	0.00	0.03	0.100	O					0.07
169.083	0.00	0.03	0.099	O					0.07
169.167	0.00	0.03	0.099	O					0.07
169.250	0.00	0.03	0.099	O					0.07
169.333	0.00	0.03	0.099	O					0.07
169.417	0.00	0.03	0.099	O					0.07
169.500	0.00	0.03	0.098	O					0.07
169.583	0.00	0.03	0.098	O					0.07
169.667	0.00	0.03	0.098	O					0.07
169.750	0.00	0.03	0.098	O					0.07
169.833	0.00	0.03	0.097	O					0.07
169.917	0.00	0.03	0.097	O					0.07
170.000	0.00	0.03	0.097	O					0.07
170.083	0.00	0.03	0.097	O					0.07
170.167	0.00	0.03	0.097	O					0.07
170.250	0.00	0.03	0.096	O					0.07
170.333	0.00	0.03	0.096	O					0.07
170.417	0.00	0.03	0.096	O					0.07
170.500	0.00	0.03	0.096	O					0.07
170.583	0.00	0.03	0.095	O					0.07
170.667	0.00	0.03	0.095	O					0.07
170.750	0.00	0.03	0.095	O					0.07
170.833	0.00	0.03	0.095	O					0.07
170.917	0.00	0.03	0.095	O					0.07
171.000	0.00	0.03	0.094	O					0.07
171.083	0.00	0.03	0.094	O					0.06
171.167	0.00	0.03	0.094	O					0.06
171.250	0.00	0.03	0.094	O					0.06
171.333	0.00	0.03	0.094	O					0.06
171.417	0.00	0.03	0.093	O					0.06
171.500	0.00	0.03	0.093	O					0.06
171.583	0.00	0.03	0.093	O					0.06
171.667	0.00	0.03	0.093	O					0.06
171.750	0.00	0.03	0.093	O					0.06
171.833	0.00	0.03	0.092	O					0.06
171.917	0.00	0.03	0.092	O					0.06
172.000	0.00	0.03	0.092	O					0.06
172.083	0.00	0.03	0.092	O					0.06
172.167	0.00	0.03	0.092	O					0.06
172.250	0.00	0.03	0.091	O					0.06
172.333	0.00	0.03	0.091	O					0.06
172.417	0.00	0.03	0.091	O					0.06
172.500	0.00	0.03	0.091	O					0.06
172.583	0.00	0.03	0.091	O					0.06
172.667	0.00	0.03	0.090	O					0.06
172.750	0.00	0.03	0.090	O					0.06
172.833	0.00	0.03	0.090	O					0.06
172.917	0.00	0.03	0.090	O					0.06
173.000	0.00	0.03	0.090	O					0.06
173.083	0.00	0.03	0.089	O					0.06
173.167	0.00	0.03	0.089	O					0.06

173.250	0.00	0.03	0.089	O	|	|	|	0.06
173.333	0.00	0.03	0.089	O	|	|	|	0.06
173.417	0.00	0.03	0.089	O	|	|	|	0.06
173.500	0.00	0.03	0.088	O	|	|	|	0.06
173.583	0.00	0.03	0.088	O	|	|	|	0.06
173.667	0.00	0.03	0.088	O	|	|	|	0.06
173.750	0.00	0.03	0.088	O	|	|	|	0.06
173.833	0.00	0.03	0.088	O	|	|	|	0.06
173.917	0.00	0.03	0.087	O	|	|	|	0.06
174.000	0.00	0.03	0.087	O	|	|	|	0.06
174.083	0.00	0.03	0.087	O	|	|	|	0.06
174.167	0.00	0.03	0.087	O	|	|	|	0.06
174.250	0.00	0.03	0.087	O	|	|	|	0.06
174.333	0.00	0.03	0.086	O	|	|	|	0.06
174.417	0.00	0.03	0.086	O	|	|	|	0.06
174.500	0.00	0.03	0.086	O	|	|	|	0.06
174.583	0.00	0.03	0.086	O	|	|	|	0.06
174.667	0.00	0.03	0.086	O	|	|	|	0.06
174.750	0.00	0.03	0.085	O	|	|	|	0.06
174.833	0.00	0.03	0.085	O	|	|	|	0.06
174.917	0.00	0.03	0.085	O	|	|	|	0.06
175.000	0.00	0.03	0.085	O	|	|	|	0.06
175.083	0.00	0.03	0.085	O	|	|	|	0.06
175.167	0.00	0.03	0.084	O	|	|	|	0.06
175.250	0.00	0.03	0.084	O	|	|	|	0.06
175.333	0.00	0.03	0.084	O	|	|	|	0.06
175.417	0.00	0.03	0.084	O	|	|	|	0.06
175.500	0.00	0.03	0.084	O	|	|	|	0.06
175.583	0.00	0.03	0.084	O	|	|	|	0.06
175.667	0.00	0.03	0.083	O	|	|	|	0.06
175.750	0.00	0.03	0.083	O	|	|	|	0.06
175.833	0.00	0.03	0.083	O	|	|	|	0.06
175.917	0.00	0.03	0.083	O	|	|	|	0.06
176.000	0.00	0.03	0.083	O	|	|	|	0.06
176.083	0.00	0.03	0.082	O	|	|	|	0.06
176.167	0.00	0.03	0.082	O	|	|	|	0.06
176.250	0.00	0.03	0.082	O	|	|	|	0.06
176.333	0.00	0.03	0.082	O	|	|	|	0.06
176.417	0.00	0.03	0.082	O	|	|	|	0.06
176.500	0.00	0.03	0.081	O	|	|	|	0.06
176.583	0.00	0.03	0.081	O	|	|	|	0.06
176.667	0.00	0.03	0.081	O	|	|	|	0.06
176.750	0.00	0.03	0.081	O	|	|	|	0.06
176.833	0.00	0.03	0.081	O	|	|	|	0.06
176.917	0.00	0.03	0.081	O	|	|	|	0.06
177.000	0.00	0.03	0.080	O	|	|	|	0.06
177.083	0.00	0.03	0.080	O	|	|	|	0.06
177.167	0.00	0.03	0.080	O	|	|	|	0.06
177.250	0.00	0.03	0.080	O	|	|	|	0.06
177.333	0.00	0.03	0.080	O	|	|	|	0.05
177.417	0.00	0.03	0.080	O	|	|	|	0.05
177.500	0.00	0.03	0.079	O	|	|	|	0.05
177.583	0.00	0.03	0.079	O	|	|	|	0.05
177.667	0.00	0.03	0.079	O	|	|	|	0.05
177.750	0.00	0.03	0.079	O	|	|	|	0.05
177.833	0.00	0.03	0.079	O	|	|	|	0.05
177.917	0.00	0.03	0.078	O	|	|	|	0.05
178.000	0.00	0.03	0.078	O	|	|	|	0.05
178.083	0.00	0.03	0.078	O	|	|	|	0.05
178.167	0.00	0.03	0.078	O	|	|	|	0.05
178.250	0.00	0.03	0.078	O	|	|	|	0.05
178.333	0.00	0.03	0.078	O	|	|	|	0.05
178.417	0.00	0.03	0.077	O	|	|	|	0.05
178.500	0.00	0.03	0.077	O	|	|	|	0.05
178.583	0.00	0.02	0.077	O	|	|	|	0.05
178.667	0.00	0.02	0.077	O	|	|	|	0.05
178.750	0.00	0.02	0.077	O	|	|	|	0.05

178.833	0.00	0.02	0.077	O	|	|	|	|	0.05
178.917	0.00	0.02	0.076	O	|	|	|	|	0.05
179.000	0.00	0.02	0.076	O	|	|	|	|	0.05
179.083	0.00	0.02	0.076	O	|	|	|	|	0.05
179.167	0.00	0.02	0.076	O	|	|	|	|	0.05
179.250	0.00	0.02	0.076	O	|	|	|	|	0.05
179.333	0.00	0.02	0.076	O	|	|	|	|	0.05
179.417	0.00	0.02	0.075	O	|	|	|	|	0.05
179.500	0.00	0.02	0.075	O	|	|	|	|	0.05
179.583	0.00	0.02	0.075	O	|	|	|	|	0.05
179.667	0.00	0.02	0.075	O	|	|	|	|	0.05
179.750	0.00	0.02	0.075	O	|	|	|	|	0.05
179.833	0.00	0.02	0.075	O	|	|	|	|	0.05
179.917	0.00	0.02	0.074	O	|	|	|	|	0.05
180.000	0.00	0.02	0.074	O	|	|	|	|	0.05
180.083	0.00	0.02	0.074	O	|	|	|	|	0.05
180.167	0.00	0.02	0.074	O	|	|	|	|	0.05
180.250	0.00	0.02	0.074	O	|	|	|	|	0.05
180.333	0.00	0.02	0.074	O	|	|	|	|	0.05
180.417	0.00	0.02	0.073	O	|	|	|	|	0.05
180.500	0.00	0.02	0.073	O	|	|	|	|	0.05
180.583	0.00	0.02	0.073	O	|	|	|	|	0.05
180.667	0.00	0.02	0.073	O	|	|	|	|	0.05
180.750	0.00	0.02	0.073	O	|	|	|	|	0.05
180.833	0.00	0.02	0.073	O	|	|	|	|	0.05
180.917	0.00	0.02	0.072	O	|	|	|	|	0.05
181.000	0.00	0.02	0.072	O	|	|	|	|	0.05
181.083	0.00	0.02	0.072	O	|	|	|	|	0.05
181.167	0.00	0.02	0.072	O	|	|	|	|	0.05
181.250	0.00	0.02	0.072	O	|	|	|	|	0.05
181.333	0.00	0.02	0.072	O	|	|	|	|	0.05
181.417	0.00	0.02	0.071	O	|	|	|	|	0.05
181.500	0.00	0.02	0.071	O	|	|	|	|	0.05
181.583	0.00	0.02	0.071	O	|	|	|	|	0.05
181.667	0.00	0.02	0.071	O	|	|	|	|	0.05
181.750	0.00	0.02	0.071	O	|	|	|	|	0.05
181.833	0.00	0.02	0.071	O	|	|	|	|	0.05
181.917	0.00	0.02	0.070	O	|	|	|	|	0.05
182.000	0.00	0.02	0.070	O	|	|	|	|	0.05
182.083	0.00	0.02	0.070	O	|	|	|	|	0.05
182.167	0.00	0.02	0.070	O	|	|	|	|	0.05
182.250	0.00	0.02	0.070	O	|	|	|	|	0.05
182.333	0.00	0.02	0.070	O	|	|	|	|	0.05
182.417	0.00	0.02	0.070	O	|	|	|	|	0.05
182.500	0.00	0.02	0.069	O	|	|	|	|	0.05
182.583	0.00	0.02	0.069	O	|	|	|	|	0.05
182.667	0.00	0.02	0.069	O	|	|	|	|	0.05
182.750	0.00	0.02	0.069	O	|	|	|	|	0.05
182.833	0.00	0.02	0.069	O	|	|	|	|	0.05
182.917	0.00	0.02	0.069	O	|	|	|	|	0.05
183.000	0.00	0.02	0.068	O	|	|	|	|	0.05
183.083	0.00	0.02	0.068	O	|	|	|	|	0.05
183.167	0.00	0.02	0.068	O	|	|	|	|	0.05
183.250	0.00	0.02	0.068	O	|	|	|	|	0.05
183.333	0.00	0.02	0.068	O	|	|	|	|	0.05
183.417	0.00	0.02	0.068	O	|	|	|	|	0.05
183.500	0.00	0.02	0.068	O	|	|	|	|	0.05
183.583	0.00	0.02	0.067	O	|	|	|	|	0.05
183.667	0.00	0.02	0.067	O	|	|	|	|	0.05
183.750	0.00	0.02	0.067	O	|	|	|	|	0.05
183.833	0.00	0.02	0.067	O	|	|	|	|	0.05
183.917	0.00	0.02	0.067	O	|	|	|	|	0.05
184.000	0.00	0.02	0.067	O	|	|	|	|	0.05
184.083	0.00	0.02	0.067	O	|	|	|	|	0.05
184.167	0.00	0.02	0.066	O	|	|	|	|	0.05
184.250	0.00	0.02	0.066	O	|	|	|	|	0.05
184.333	0.00	0.02	0.066	O	|	|	|	|	0.05

184.417	0.00	0.02	0.066	O	|	|	|	|	0.05
184.500	0.00	0.02	0.066	O	|	|	|	|	0.05
184.583	0.00	0.02	0.066	O	|	|	|	|	0.05
184.667	0.00	0.02	0.065	O	|	|	|	|	0.05
184.750	0.00	0.02	0.065	O	|	|	|	|	0.05
184.833	0.00	0.02	0.065	O	|	|	|	|	0.04
184.917	0.00	0.02	0.065	O	|	|	|	|	0.04
185.000	0.00	0.02	0.065	O	|	|	|	|	0.04
185.083	0.00	0.02	0.065	O	|	|	|	|	0.04
185.167	0.00	0.02	0.065	O	|	|	|	|	0.04
185.250	0.00	0.02	0.064	O	|	|	|	|	0.04
185.333	0.00	0.02	0.064	O	|	|	|	|	0.04
185.417	0.00	0.02	0.064	O	|	|	|	|	0.04
185.500	0.00	0.02	0.064	O	|	|	|	|	0.04
185.583	0.00	0.02	0.064	O	|	|	|	|	0.04
185.667	0.00	0.02	0.064	O	|	|	|	|	0.04
185.750	0.00	0.02	0.064	O	|	|	|	|	0.04
185.833	0.00	0.02	0.063	O	|	|	|	|	0.04
185.917	0.00	0.02	0.063	O	|	|	|	|	0.04
186.000	0.00	0.02	0.063	O	|	|	|	|	0.04
186.083	0.00	0.02	0.063	O	|	|	|	|	0.04
186.167	0.00	0.02	0.063	O	|	|	|	|	0.04
186.250	0.00	0.02	0.063	O	|	|	|	|	0.04
186.333	0.00	0.02	0.063	O	|	|	|	|	0.04
186.417	0.00	0.02	0.062	O	|	|	|	|	0.04
186.500	0.00	0.02	0.062	O	|	|	|	|	0.04
186.583	0.00	0.02	0.062	O	|	|	|	|	0.04
186.667	0.00	0.02	0.062	O	|	|	|	|	0.04
186.750	0.00	0.02	0.062	O	|	|	|	|	0.04
186.833	0.00	0.02	0.062	O	|	|	|	|	0.04
186.917	0.00	0.02	0.062	O	|	|	|	|	0.04
187.000	0.00	0.02	0.062	O	|	|	|	|	0.04
187.083	0.00	0.02	0.061	O	|	|	|	|	0.04
187.167	0.00	0.02	0.061	O	|	|	|	|	0.04
187.250	0.00	0.02	0.061	O	|	|	|	|	0.04
187.333	0.00	0.02	0.061	O	|	|	|	|	0.04
187.417	0.00	0.02	0.061	O	|	|	|	|	0.04
187.500	0.00	0.02	0.061	O	|	|	|	|	0.04
187.583	0.00	0.02	0.061	O	|	|	|	|	0.04
187.667	0.00	0.02	0.060	O	|	|	|	|	0.04
187.750	0.00	0.02	0.060	O	|	|	|	|	0.04
187.833	0.00	0.02	0.060	O	|	|	|	|	0.04
187.917	0.00	0.02	0.060	O	|	|	|	|	0.04
188.000	0.00	0.02	0.060	O	|	|	|	|	0.04
188.083	0.00	0.02	0.060	O	|	|	|	|	0.04
188.167	0.00	0.02	0.060	O	|	|	|	|	0.04
188.250	0.00	0.02	0.059	O	|	|	|	|	0.04
188.333	0.00	0.02	0.059	O	|	|	|	|	0.04
188.417	0.00	0.02	0.059	O	|	|	|	|	0.04
188.500	0.00	0.02	0.059	O	|	|	|	|	0.04
188.583	0.00	0.02	0.059	O	|	|	|	|	0.04
188.667	0.00	0.02	0.059	O	|	|	|	|	0.04
188.750	0.00	0.02	0.059	O	|	|	|	|	0.04
188.833	0.00	0.02	0.059	O	|	|	|	|	0.04
188.917	0.00	0.02	0.058	O	|	|	|	|	0.04
189.000	0.00	0.02	0.058	O	|	|	|	|	0.04
189.083	0.00	0.02	0.058	O	|	|	|	|	0.04
189.167	0.00	0.02	0.058	O	|	|	|	|	0.04
189.250	0.00	0.02	0.058	O	|	|	|	|	0.04
189.333	0.00	0.02	0.058	O	|	|	|	|	0.04
189.417	0.00	0.02	0.058	O	|	|	|	|	0.04
189.500	0.00	0.02	0.058	O	|	|	|	|	0.04
189.583	0.00	0.02	0.057	O	|	|	|	|	0.04
189.667	0.00	0.02	0.057	O	|	|	|	|	0.04
189.750	0.00	0.02	0.057	O	|	|	|	|	0.04
189.833	0.00	0.02	0.057	O	|	|	|	|	0.04
189.917	0.00	0.02	0.057	O	|	|	|	|	0.04

190.000	0.00	0.02	0.057	O	|	|	|	|	0.04
190.083	0.00	0.02	0.057	O	|	|	|	|	0.04
190.167	0.00	0.02	0.057	O	|	|	|	|	0.04
190.250	0.00	0.02	0.056	O	|	|	|	|	0.04
190.333	0.00	0.02	0.056	O	|	|	|	|	0.04
190.417	0.00	0.02	0.056	O	|	|	|	|	0.04
190.500	0.00	0.02	0.056	O	|	|	|	|	0.04
190.583	0.00	0.02	0.056	O	|	|	|	|	0.04
190.667	0.00	0.02	0.056	O	|	|	|	|	0.04
190.750	0.00	0.02	0.056	O	|	|	|	|	0.04
190.833	0.00	0.02	0.056	O	|	|	|	|	0.04
190.917	0.00	0.02	0.055	O	|	|	|	|	0.04
191.000	0.00	0.02	0.055	O	|	|	|	|	0.04
191.083	0.00	0.02	0.055	O	|	|	|	|	0.04
191.167	0.00	0.02	0.055	O	|	|	|	|	0.04
191.250	0.00	0.02	0.055	O	|	|	|	|	0.04
191.333	0.00	0.02	0.055	O	|	|	|	|	0.04
191.417	0.00	0.02	0.055	O	|	|	|	|	0.04
191.500	0.00	0.02	0.055	O	|	|	|	|	0.04
191.583	0.00	0.02	0.054	O	|	|	|	|	0.04
191.667	0.00	0.02	0.054	O	|	|	|	|	0.04
191.750	0.00	0.02	0.054	O	|	|	|	|	0.04
191.833	0.00	0.02	0.054	O	|	|	|	|	0.04
191.917	0.00	0.02	0.054	O	|	|	|	|	0.04
192.000	0.00	0.02	0.054	O	|	|	|	|	0.04
192.083	0.00	0.02	0.054	O	|	|	|	|	0.04
192.167	0.00	0.02	0.054	O	|	|	|	|	0.04
192.250	0.00	0.02	0.053	O	|	|	|	|	0.04
192.333	0.00	0.02	0.053	O	|	|	|	|	0.04
192.417	0.00	0.02	0.053	O	|	|	|	|	0.04
192.500	0.00	0.02	0.053	O	|	|	|	|	0.04
192.583	0.00	0.02	0.053	O	|	|	|	|	0.04
192.667	0.00	0.02	0.053	O	|	|	|	|	0.04
192.750	0.00	0.02	0.053	O	|	|	|	|	0.04
192.833	0.00	0.02	0.053	O	|	|	|	|	0.04
192.917	0.00	0.02	0.053	O	|	|	|	|	0.04
193.000	0.00	0.02	0.052	O	|	|	|	|	0.04
193.083	0.00	0.02	0.052	O	|	|	|	|	0.04
193.167	0.00	0.02	0.052	O	|	|	|	|	0.04
193.250	0.00	0.02	0.052	O	|	|	|	|	0.04
193.333	0.00	0.02	0.052	O	|	|	|	|	0.04
193.417	0.00	0.02	0.052	O	|	|	|	|	0.04
193.500	0.00	0.02	0.052	O	|	|	|	|	0.04
193.583	0.00	0.02	0.052	O	|	|	|	|	0.04
193.667	0.00	0.02	0.051	O	|	|	|	|	0.04
193.750	0.00	0.02	0.051	O	|	|	|	|	0.04
193.833	0.00	0.02	0.051	O	|	|	|	|	0.04
193.917	0.00	0.02	0.051	O	|	|	|	|	0.04
194.000	0.00	0.02	0.051	O	|	|	|	|	0.04
194.083	0.00	0.02	0.051	O	|	|	|	|	0.04
194.167	0.00	0.02	0.051	O	|	|	|	|	0.04
194.250	0.00	0.02	0.051	O	|	|	|	|	0.03
194.333	0.00	0.02	0.051	O	|	|	|	|	0.03
194.417	0.00	0.02	0.050	O	|	|	|	|	0.03
194.500	0.00	0.02	0.050	O	|	|	|	|	0.03
194.583	0.00	0.02	0.050	O	|	|	|	|	0.03
194.667	0.00	0.02	0.050	O	|	|	|	|	0.03
194.750	0.00	0.02	0.050	O	|	|	|	|	0.03
194.833	0.00	0.02	0.050	O	|	|	|	|	0.03
194.917	0.00	0.02	0.050	O	|	|	|	|	0.03
195.000	0.00	0.02	0.050	O	|	|	|	|	0.03
195.083	0.00	0.02	0.050	O	|	|	|	|	0.03
195.167	0.00	0.02	0.049	O	|	|	|	|	0.03
195.250	0.00	0.02	0.049	O	|	|	|	|	0.03
195.333	0.00	0.02	0.049	O	|	|	|	|	0.03
195.417	0.00	0.02	0.049	O	|	|	|	|	0.03
195.500	0.00	0.02	0.049	O	|	|	|	|	0.03

195.583	0.00	0.02	0.049	O	|	|	|	0.03
195.667	0.00	0.02	0.049	O	|	|	|	0.03
195.750	0.00	0.02	0.049	O	|	|	|	0.03
195.833	0.00	0.02	0.049	O	|	|	|	0.03
195.917	0.00	0.02	0.048	O	|	|	|	0.03
196.000	0.00	0.02	0.048	O	|	|	|	0.03
196.083	0.00	0.02	0.048	O	|	|	|	0.03
196.167	0.00	0.02	0.048	O	|	|	|	0.03
196.250	0.00	0.02	0.048	O	|	|	|	0.03
196.333	0.00	0.02	0.048	O	|	|	|	0.03
196.417	0.00	0.02	0.048	O	|	|	|	0.03
196.500	0.00	0.02	0.048	O	|	|	|	0.03
196.583	0.00	0.02	0.048	O	|	|	|	0.03
196.667	0.00	0.02	0.047	O	|	|	|	0.03
196.750	0.00	0.02	0.047	O	|	|	|	0.03
196.833	0.00	0.02	0.047	O	|	|	|	0.03
196.917	0.00	0.02	0.047	O	|	|	|	0.03
197.000	0.00	0.02	0.047	O	|	|	|	0.03
197.083	0.00	0.02	0.047	O	|	|	|	0.03
197.167	0.00	0.02	0.047	O	|	|	|	0.03
197.250	0.00	0.02	0.047	O	|	|	|	0.03
197.333	0.00	0.02	0.047	O	|	|	|	0.03
197.417	0.00	0.02	0.047	O	|	|	|	0.03
197.500	0.00	0.02	0.046	O	|	|	|	0.03
197.583	0.00	0.02	0.046	O	|	|	|	0.03
197.667	0.00	0.01	0.046	O	|	|	|	0.03
197.750	0.00	0.01	0.046	O	|	|	|	0.03
197.833	0.00	0.01	0.046	O	|	|	|	0.03
197.917	0.00	0.01	0.046	O	|	|	|	0.03
198.000	0.00	0.01	0.046	O	|	|	|	0.03
198.083	0.00	0.01	0.046	O	|	|	|	0.03
198.167	0.00	0.01	0.046	O	|	|	|	0.03
198.250	0.00	0.01	0.046	O	|	|	|	0.03
198.333	0.00	0.01	0.045	O	|	|	|	0.03
198.417	0.00	0.01	0.045	O	|	|	|	0.03
198.500	0.00	0.01	0.045	O	|	|	|	0.03
198.583	0.00	0.01	0.045	O	|	|	|	0.03
198.667	0.00	0.01	0.045	O	|	|	|	0.03
198.750	0.00	0.01	0.045	O	|	|	|	0.03
198.833	0.00	0.01	0.045	O	|	|	|	0.03
198.917	0.00	0.01	0.045	O	|	|	|	0.03
199.000	0.00	0.01	0.045	O	|	|	|	0.03
199.083	0.00	0.01	0.045	O	|	|	|	0.03
199.167	0.00	0.01	0.044	O	|	|	|	0.03
199.250	0.00	0.01	0.044	O	|	|	|	0.03
199.333	0.00	0.01	0.044	O	|	|	|	0.03
199.417	0.00	0.01	0.044	O	|	|	|	0.03
199.500	0.00	0.01	0.044	O	|	|	|	0.03
199.583	0.00	0.01	0.044	O	|	|	|	0.03
199.667	0.00	0.01	0.044	O	|	|	|	0.03
199.750	0.00	0.01	0.044	O	|	|	|	0.03
199.833	0.00	0.01	0.044	O	|	|	|	0.03
199.917	0.00	0.01	0.044	O	|	|	|	0.03
200.000	0.00	0.01	0.043	O	|	|	|	0.03
200.083	0.00	0.01	0.043	O	|	|	|	0.03
200.167	0.00	0.01	0.043	O	|	|	|	0.03
200.250	0.00	0.01	0.043	O	|	|	|	0.03
200.333	0.00	0.01	0.043	O	|	|	|	0.03
200.417	0.00	0.01	0.043	O	|	|	|	0.03
200.500	0.00	0.01	0.043	O	|	|	|	0.03
200.583	0.00	0.01	0.043	O	|	|	|	0.03
200.667	0.00	0.01	0.043	O	|	|	|	0.03
200.750	0.00	0.01	0.043	O	|	|	|	0.03
200.833	0.00	0.01	0.042	O	|	|	|	0.03
200.917	0.00	0.01	0.042	O	|	|	|	0.03
201.000	0.00	0.01	0.042	O	|	|	|	0.03
201.083	0.00	0.01	0.042	O	|	|	|	0.03

201.167	0.00	0.01	0.042	O	|	|	|	|	0.03
201.250	0.00	0.01	0.042	O	|	|	|	|	0.03
201.333	0.00	0.01	0.042	O	|	|	|	|	0.03
201.417	0.00	0.01	0.042	O	|	|	|	|	0.03
201.500	0.00	0.01	0.042	O	|	|	|	|	0.03
201.583	0.00	0.01	0.042	O	|	|	|	|	0.03
201.667	0.00	0.01	0.042	O	|	|	|	|	0.03
201.750	0.00	0.01	0.041	O	|	|	|	|	0.03
201.833	0.00	0.01	0.041	O	|	|	|	|	0.03
201.917	0.00	0.01	0.041	O	|	|	|	|	0.03
202.000	0.00	0.01	0.041	O	|	|	|	|	0.03
202.083	0.00	0.01	0.041	O	|	|	|	|	0.03
202.167	0.00	0.01	0.041	O	|	|	|	|	0.03
202.250	0.00	0.01	0.041	O	|	|	|	|	0.03
202.333	0.00	0.01	0.041	O	|	|	|	|	0.03
202.417	0.00	0.01	0.041	O	|	|	|	|	0.03
202.500	0.00	0.01	0.041	O	|	|	|	|	0.03
202.583	0.00	0.01	0.041	O	|	|	|	|	0.03
202.667	0.00	0.01	0.040	O	|	|	|	|	0.03
202.750	0.00	0.01	0.040	O	|	|	|	|	0.03
202.833	0.00	0.01	0.040	O	|	|	|	|	0.03
202.917	0.00	0.01	0.040	O	|	|	|	|	0.03
203.000	0.00	0.01	0.040	O	|	|	|	|	0.03
203.083	0.00	0.01	0.040	O	|	|	|	|	0.03
203.167	0.00	0.01	0.040	O	|	|	|	|	0.03
203.250	0.00	0.01	0.040	O	|	|	|	|	0.03
203.333	0.00	0.01	0.040	O	|	|	|	|	0.03
203.417	0.00	0.01	0.040	O	|	|	|	|	0.03
203.500	0.00	0.01	0.040	O	|	|	|	|	0.03
203.583	0.00	0.01	0.039	O	|	|	|	|	0.03
203.667	0.00	0.01	0.039	O	|	|	|	|	0.03
203.750	0.00	0.01	0.039	O	|	|	|	|	0.03
203.833	0.00	0.01	0.039	O	|	|	|	|	0.03
203.917	0.00	0.01	0.039	O	|	|	|	|	0.03
204.000	0.00	0.01	0.039	O	|	|	|	|	0.03
204.083	0.00	0.01	0.039	O	|	|	|	|	0.03
204.167	0.00	0.01	0.039	O	|	|	|	|	0.03
204.250	0.00	0.01	0.039	O	|	|	|	|	0.03
204.333	0.00	0.01	0.039	O	|	|	|	|	0.03
204.417	0.00	0.01	0.039	O	|	|	|	|	0.03
204.500	0.00	0.01	0.038	O	|	|	|	|	0.03
204.583	0.00	0.01	0.038	O	|	|	|	|	0.03
204.667	0.00	0.01	0.038	O	|	|	|	|	0.03
204.750	0.00	0.01	0.038	O	|	|	|	|	0.03
204.833	0.00	0.01	0.038	O	|	|	|	|	0.03
204.917	0.00	0.01	0.038	O	|	|	|	|	0.03
205.000	0.00	0.01	0.038	O	|	|	|	|	0.03
205.083	0.00	0.01	0.038	O	|	|	|	|	0.03
205.167	0.00	0.01	0.038	O	|	|	|	|	0.03
205.250	0.00	0.01	0.038	O	|	|	|	|	0.03
205.333	0.00	0.01	0.038	O	|	|	|	|	0.03
205.417	0.00	0.01	0.038	O	|	|	|	|	0.03
205.500	0.00	0.01	0.037	O	|	|	|	|	0.03
205.583	0.00	0.01	0.037	O	|	|	|	|	0.03
205.667	0.00	0.01	0.037	O	|	|	|	|	0.03
205.750	0.00	0.01	0.037	O	|	|	|	|	0.03
205.833	0.00	0.01	0.037	O	|	|	|	|	0.03
205.917	0.00	0.01	0.037	O	|	|	|	|	0.03
206.000	0.00	0.01	0.037	O	|	|	|	|	0.03
206.083	0.00	0.01	0.037	O	|	|	|	|	0.03
206.167	0.00	0.01	0.037	O	|	|	|	|	0.03
206.250	0.00	0.01	0.037	O	|	|	|	|	0.03
206.333	0.00	0.01	0.037	O	|	|	|	|	0.03
206.417	0.00	0.01	0.037	O	|	|	|	|	0.03
206.500	0.00	0.01	0.036	O	|	|	|	|	0.03
206.583	0.00	0.01	0.036	O	|	|	|	|	0.03
206.667	0.00	0.01	0.036	O	|	|	|	|	0.03

206.750	0.00	0.01	0.036	O	|	|	|	|	0.02
206.833	0.00	0.01	0.036	O	|	|	|	|	0.02
206.917	0.00	0.01	0.036	O	|	|	|	|	0.02
207.000	0.00	0.01	0.036	O	|	|	|	|	0.02
207.083	0.00	0.01	0.036	O	|	|	|	|	0.02
207.167	0.00	0.01	0.036	O	|	|	|	|	0.02
207.250	0.00	0.01	0.036	O	|	|	|	|	0.02
207.333	0.00	0.01	0.036	O	|	|	|	|	0.02
207.417	0.00	0.01	0.036	O	|	|	|	|	0.02
207.500	0.00	0.01	0.036	O	|	|	|	|	0.02
207.583	0.00	0.01	0.035	O	|	|	|	|	0.02
207.667	0.00	0.01	0.035	O	|	|	|	|	0.02
207.750	0.00	0.01	0.035	O	|	|	|	|	0.02
207.833	0.00	0.01	0.035	O	|	|	|	|	0.02
207.917	0.00	0.01	0.035	O	|	|	|	|	0.02
208.000	0.00	0.01	0.035	O	|	|	|	|	0.02
208.083	0.00	0.01	0.035	O	|	|	|	|	0.02
208.167	0.00	0.01	0.035	O	|	|	|	|	0.02
208.250	0.00	0.01	0.035	O	|	|	|	|	0.02
208.333	0.00	0.01	0.035	O	|	|	|	|	0.02
208.417	0.00	0.01	0.035	O	|	|	|	|	0.02
208.500	0.00	0.01	0.035	O	|	|	|	|	0.02
208.583	0.00	0.01	0.035	O	|	|	|	|	0.02
208.667	0.00	0.01	0.034	O	|	|	|	|	0.02
208.750	0.00	0.01	0.034	O	|	|	|	|	0.02
208.833	0.00	0.01	0.034	O	|	|	|	|	0.02
208.917	0.00	0.01	0.034	O	|	|	|	|	0.02
209.000	0.00	0.01	0.034	O	|	|	|	|	0.02
209.083	0.00	0.01	0.034	O	|	|	|	|	0.02
209.167	0.00	0.01	0.034	O	|	|	|	|	0.02
209.250	0.00	0.01	0.034	O	|	|	|	|	0.02
209.333	0.00	0.01	0.034	O	|	|	|	|	0.02
209.417	0.00	0.01	0.034	O	|	|	|	|	0.02
209.500	0.00	0.01	0.034	O	|	|	|	|	0.02
209.583	0.00	0.01	0.034	O	|	|	|	|	0.02
209.667	0.00	0.01	0.034	O	|	|	|	|	0.02
209.750	0.00	0.01	0.033	O	|	|	|	|	0.02
209.833	0.00	0.01	0.033	O	|	|	|	|	0.02
209.917	0.00	0.01	0.033	O	|	|	|	|	0.02
210.000	0.00	0.01	0.033	O	|	|	|	|	0.02
210.083	0.00	0.01	0.033	O	|	|	|	|	0.02
210.167	0.00	0.01	0.033	O	|	|	|	|	0.02
210.250	0.00	0.01	0.033	O	|	|	|	|	0.02
210.333	0.00	0.01	0.033	O	|	|	|	|	0.02
210.417	0.00	0.01	0.033	O	|	|	|	|	0.02
210.500	0.00	0.01	0.033	O	|	|	|	|	0.02
210.583	0.00	0.01	0.033	O	|	|	|	|	0.02
210.667	0.00	0.01	0.033	O	|	|	|	|	0.02
210.750	0.00	0.01	0.033	O	|	|	|	|	0.02
210.833	0.00	0.01	0.032	O	|	|	|	|	0.02
210.917	0.00	0.01	0.032	O	|	|	|	|	0.02
211.000	0.00	0.01	0.032	O	|	|	|	|	0.02
211.083	0.00	0.01	0.032	O	|	|	|	|	0.02
211.167	0.00	0.01	0.032	O	|	|	|	|	0.02
211.250	0.00	0.01	0.032	O	|	|	|	|	0.02
211.333	0.00	0.01	0.032	O	|	|	|	|	0.02
211.417	0.00	0.01	0.032	O	|	|	|	|	0.02
211.500	0.00	0.01	0.032	O	|	|	|	|	0.02
211.583	0.00	0.01	0.032	O	|	|	|	|	0.02
211.667	0.00	0.01	0.032	O	|	|	|	|	0.02
211.750	0.00	0.01	0.032	O	|	|	|	|	0.02
211.833	0.00	0.01	0.032	O	|	|	|	|	0.02
211.917	0.00	0.01	0.032	O	|	|	|	|	0.02
212.000	0.00	0.01	0.031	O	|	|	|	|	0.02
212.083	0.00	0.01	0.031	O	|	|	|	|	0.02
212.167	0.00	0.01	0.031	O	|	|	|	|	0.02
212.250	0.00	0.01	0.031	O	|	|	|	|	0.02

212.333	0.00	0.01	0.031	O	|	|	|	|	0.02
212.417	0.00	0.01	0.031	O	|	|	|	|	0.02
212.500	0.00	0.01	0.031	O	|	|	|	|	0.02
212.583	0.00	0.01	0.031	O	|	|	|	|	0.02
212.667	0.00	0.01	0.031	O	|	|	|	|	0.02
212.750	0.00	0.01	0.031	O	|	|	|	|	0.02
212.833	0.00	0.01	0.031	O	|	|	|	|	0.02
212.917	0.00	0.01	0.031	O	|	|	|	|	0.02
213.000	0.00	0.01	0.031	O	|	|	|	|	0.02
213.083	0.00	0.01	0.031	O	|	|	|	|	0.02
213.167	0.00	0.01	0.031	O	|	|	|	|	0.02
213.250	0.00	0.01	0.030	O	|	|	|	|	0.02
213.333	0.00	0.01	0.030	O	|	|	|	|	0.02
213.417	0.00	0.01	0.030	O	|	|	|	|	0.02
213.500	0.00	0.01	0.030	O	|	|	|	|	0.02
213.583	0.00	0.01	0.030	O	|	|	|	|	0.02
213.667	0.00	0.01	0.030	O	|	|	|	|	0.02
213.750	0.00	0.01	0.030	O	|	|	|	|	0.02
213.833	0.00	0.01	0.030	O	|	|	|	|	0.02
213.917	0.00	0.01	0.030	O	|	|	|	|	0.02
214.000	0.00	0.01	0.030	O	|	|	|	|	0.02
214.083	0.00	0.01	0.030	O	|	|	|	|	0.02
214.167	0.00	0.01	0.030	O	|	|	|	|	0.02
214.250	0.00	0.01	0.030	O	|	|	|	|	0.02
214.333	0.00	0.01	0.030	O	|	|	|	|	0.02
214.417	0.00	0.01	0.030	O	|	|	|	|	0.02
214.500	0.00	0.01	0.029	O	|	|	|	|	0.02
214.583	0.00	0.01	0.029	O	|	|	|	|	0.02
214.667	0.00	0.01	0.029	O	|	|	|	|	0.02
214.750	0.00	0.01	0.029	O	|	|	|	|	0.02
214.833	0.00	0.01	0.029	O	|	|	|	|	0.02
214.917	0.00	0.01	0.029	O	|	|	|	|	0.02
215.000	0.00	0.01	0.029	O	|	|	|	|	0.02
215.083	0.00	0.01	0.029	O	|	|	|	|	0.02
215.167	0.00	0.01	0.029	O	|	|	|	|	0.02
215.250	0.00	0.01	0.029	O	|	|	|	|	0.02
215.333	0.00	0.01	0.029	O	|	|	|	|	0.02
215.417	0.00	0.01	0.029	O	|	|	|	|	0.02
215.500	0.00	0.01	0.029	O	|	|	|	|	0.02
215.583	0.00	0.01	0.029	O	|	|	|	|	0.02
215.667	0.00	0.01	0.029	O	|	|	|	|	0.02
215.750	0.00	0.01	0.028	O	|	|	|	|	0.02
215.833	0.00	0.01	0.028	O	|	|	|	|	0.02
215.917	0.00	0.01	0.028	O	|	|	|	|	0.02
216.000	0.00	0.01	0.028	O	|	|	|	|	0.02
216.083	0.00	0.01	0.028	O	|	|	|	|	0.02
216.167	0.00	0.01	0.028	O	|	|	|	|	0.02
216.250	0.00	0.01	0.028	O	|	|	|	|	0.02
216.333	0.00	0.01	0.028	O	|	|	|	|	0.02
216.417	0.00	0.01	0.028	O	|	|	|	|	0.02
216.500	0.00	0.01	0.028	O	|	|	|	|	0.02
216.583	0.00	0.01	0.028	O	|	|	|	|	0.02
216.667	0.00	0.01	0.028	O	|	|	|	|	0.02
216.750	0.00	0.01	0.028	O	|	|	|	|	0.02
216.833	0.00	0.01	0.028	O	|	|	|	|	0.02
216.917	0.00	0.01	0.028	O	|	|	|	|	0.02
217.000	0.00	0.01	0.028	O	|	|	|	|	0.02
217.083	0.00	0.01	0.027	O	|	|	|	|	0.02
217.167	0.00	0.01	0.027	O	|	|	|	|	0.02
217.250	0.00	0.01	0.027	O	|	|	|	|	0.02
217.333	0.00	0.01	0.027	O	|	|	|	|	0.02
217.417	0.00	0.01	0.027	O	|	|	|	|	0.02
217.500	0.00	0.01	0.027	O	|	|	|	|	0.02
217.583	0.00	0.01	0.027	O	|	|	|	|	0.02
217.667	0.00	0.01	0.027	O	|	|	|	|	0.02
217.750	0.00	0.01	0.027	O	|	|	|	|	0.02
217.833	0.00	0.01	0.027	O	|	|	|	|	0.02

217.917	0.00	0.01	0.027	O	|	|	|	|	0.02
218.000	0.00	0.01	0.027	O	|	|	|	|	0.02
218.083	0.00	0.01	0.027	O	|	|	|	|	0.02
218.167	0.00	0.01	0.027	O	|	|	|	|	0.02
218.250	0.00	0.01	0.027	O	|	|	|	|	0.02
218.333	0.00	0.01	0.027	O	|	|	|	|	0.02
218.417	0.00	0.01	0.027	O	|	|	|	|	0.02
218.500	0.00	0.01	0.026	O	|	|	|	|	0.02
218.583	0.00	0.01	0.026	O	|	|	|	|	0.02
218.667	0.00	0.01	0.026	O	|	|	|	|	0.02
218.750	0.00	0.01	0.026	O	|	|	|	|	0.02
218.833	0.00	0.01	0.026	O	|	|	|	|	0.02
218.917	0.00	0.01	0.026	O	|	|	|	|	0.02
219.000	0.00	0.01	0.026	O	|	|	|	|	0.02
219.083	0.00	0.01	0.026	O	|	|	|	|	0.02
219.167	0.00	0.01	0.026	O	|	|	|	|	0.02
219.250	0.00	0.01	0.026	O	|	|	|	|	0.02
219.333	0.00	0.01	0.026	O	|	|	|	|	0.02
219.417	0.00	0.01	0.026	O	|	|	|	|	0.02
219.500	0.00	0.01	0.026	O	|	|	|	|	0.02
219.583	0.00	0.01	0.026	O	|	|	|	|	0.02
219.667	0.00	0.01	0.026	O	|	|	|	|	0.02
219.750	0.00	0.01	0.026	O	|	|	|	|	0.02
219.833	0.00	0.01	0.026	O	|	|	|	|	0.02
219.917	0.00	0.01	0.025	O	|	|	|	|	0.02
220.000	0.00	0.01	0.025	O	|	|	|	|	0.02
220.083	0.00	0.01	0.025	O	|	|	|	|	0.02
220.167	0.00	0.01	0.025	O	|	|	|	|	0.02
220.250	0.00	0.01	0.025	O	|	|	|	|	0.02
220.333	0.00	0.01	0.025	O	|	|	|	|	0.02
220.417	0.00	0.01	0.025	O	|	|	|	|	0.02
220.500	0.00	0.01	0.025	O	|	|	|	|	0.02
220.583	0.00	0.01	0.025	O	|	|	|	|	0.02
220.667	0.00	0.01	0.025	O	|	|	|	|	0.02
220.750	0.00	0.01	0.025	O	|	|	|	|	0.02
220.833	0.00	0.01	0.025	O	|	|	|	|	0.02
220.917	0.00	0.01	0.025	O	|	|	|	|	0.02
221.000	0.00	0.01	0.025	O	|	|	|	|	0.02
221.083	0.00	0.01	0.025	O	|	|	|	|	0.02
221.167	0.00	0.01	0.025	O	|	|	|	|	0.02
221.250	0.00	0.01	0.025	O	|	|	|	|	0.02
221.333	0.00	0.01	0.025	O	|	|	|	|	0.02
221.417	0.00	0.01	0.024	O	|	|	|	|	0.02
221.500	0.00	0.01	0.024	O	|	|	|	|	0.02
221.583	0.00	0.01	0.024	O	|	|	|	|	0.02
221.667	0.00	0.01	0.024	O	|	|	|	|	0.02
221.750	0.00	0.01	0.024	O	|	|	|	|	0.02
221.833	0.00	0.01	0.024	O	|	|	|	|	0.02
221.917	0.00	0.01	0.024	O	|	|	|	|	0.02
222.000	0.00	0.01	0.024	O	|	|	|	|	0.02
222.083	0.00	0.01	0.024	O	|	|	|	|	0.02
222.167	0.00	0.01	0.024	O	|	|	|	|	0.02
222.250	0.00	0.01	0.024	O	|	|	|	|	0.02
222.333	0.00	0.01	0.024	O	|	|	|	|	0.02
222.417	0.00	0.01	0.024	O	|	|	|	|	0.02
222.500	0.00	0.01	0.024	O	|	|	|	|	0.02
222.583	0.00	0.01	0.024	O	|	|	|	|	0.02
222.667	0.00	0.01	0.024	O	|	|	|	|	0.02
222.750	0.00	0.01	0.024	O	|	|	|	|	0.02
222.833	0.00	0.01	0.024	O	|	|	|	|	0.02
222.917	0.00	0.01	0.024	O	|	|	|	|	0.02
223.000	0.00	0.01	0.023	O	|	|	|	|	0.02
223.083	0.00	0.01	0.023	O	|	|	|	|	0.02
223.167	0.00	0.01	0.023	O	|	|	|	|	0.02
223.250	0.00	0.01	0.023	O	|	|	|	|	0.02
223.333	0.00	0.01	0.023	O	|	|	|	|	0.02
223.417	0.00	0.01	0.023	O	|	|	|	|	0.02

223.500	0.00	0.01	0.023	O	|	|	|	|	0.02
223.583	0.00	0.01	0.023	O	|	|	|	|	0.02
223.667	0.00	0.01	0.023	O	|	|	|	|	0.02
223.750	0.00	0.01	0.023	O	|	|	|	|	0.02
223.833	0.00	0.01	0.023	O	|	|	|	|	0.02
223.917	0.00	0.01	0.023	O	|	|	|	|	0.02
224.000	0.00	0.01	0.023	O	|	|	|	|	0.02
224.083	0.00	0.01	0.023	O	|	|	|	|	0.02
224.167	0.00	0.01	0.023	O	|	|	|	|	0.02
224.250	0.00	0.01	0.023	O	|	|	|	|	0.02
224.333	0.00	0.01	0.023	O	|	|	|	|	0.02
224.417	0.00	0.01	0.023	O	|	|	|	|	0.02
224.500	0.00	0.01	0.023	O	|	|	|	|	0.02
224.583	0.00	0.01	0.022	O	|	|	|	|	0.02
224.667	0.00	0.01	0.022	O	|	|	|	|	0.02
224.750	0.00	0.01	0.022	O	|	|	|	|	0.02
224.833	0.00	0.01	0.022	O	|	|	|	|	0.02
224.917	0.00	0.01	0.022	O	|	|	|	|	0.02
225.000	0.00	0.01	0.022	O	|	|	|	|	0.02
225.083	0.00	0.01	0.022	O	|	|	|	|	0.02
225.167	0.00	0.01	0.022	O	|	|	|	|	0.02
225.250	0.00	0.01	0.022	O	|	|	|	|	0.02
225.333	0.00	0.01	0.022	O	|	|	|	|	0.02
225.417	0.00	0.01	0.022	O	|	|	|	|	0.02
225.500	0.00	0.01	0.022	O	|	|	|	|	0.02
225.583	0.00	0.01	0.022	O	|	|	|	|	0.02
225.667	0.00	0.01	0.022	O	|	|	|	|	0.02
225.750	0.00	0.01	0.022	O	|	|	|	|	0.02
225.833	0.00	0.01	0.022	O	|	|	|	|	0.01
225.917	0.00	0.01	0.022	O	|	|	|	|	0.01
226.000	0.00	0.01	0.022	O	|	|	|	|	0.01
226.083	0.00	0.01	0.022	O	|	|	|	|	0.01
226.167	0.00	0.01	0.022	O	|	|	|	|	0.01
226.250	0.00	0.01	0.021	O	|	|	|	|	0.01
226.333	0.00	0.01	0.021	O	|	|	|	|	0.01
226.417	0.00	0.01	0.021	O	|	|	|	|	0.01
226.500	0.00	0.01	0.021	O	|	|	|	|	0.01
226.583	0.00	0.01	0.021	O	|	|	|	|	0.01
226.667	0.00	0.01	0.021	O	|	|	|	|	0.01
226.750	0.00	0.01	0.021	O	|	|	|	|	0.01
226.833	0.00	0.01	0.021	O	|	|	|	|	0.01
226.917	0.00	0.01	0.021	O	|	|	|	|	0.01
227.000	0.00	0.01	0.021	O	|	|	|	|	0.01
227.083	0.00	0.01	0.021	O	|	|	|	|	0.01
227.167	0.00	0.01	0.021	O	|	|	|	|	0.01
227.250	0.00	0.01	0.021	O	|	|	|	|	0.01
227.333	0.00	0.01	0.021	O	|	|	|	|	0.01
227.417	0.00	0.01	0.021	O	|	|	|	|	0.01
227.500	0.00	0.01	0.021	O	|	|	|	|	0.01
227.583	0.00	0.01	0.021	O	|	|	|	|	0.01
227.667	0.00	0.01	0.021	O	|	|	|	|	0.01
227.750	0.00	0.01	0.021	O	|	|	|	|	0.01
227.833	0.00	0.01	0.021	O	|	|	|	|	0.01
227.917	0.00	0.01	0.021	O	|	|	|	|	0.01
228.000	0.00	0.01	0.021	O	|	|	|	|	0.01
228.083	0.00	0.01	0.020	O	|	|	|	|	0.01
228.167	0.00	0.01	0.020	O	|	|	|	|	0.01
228.250	0.00	0.01	0.020	O	|	|	|	|	0.01
228.333	0.00	0.01	0.020	O	|	|	|	|	0.01
228.417	0.00	0.01	0.020	O	|	|	|	|	0.01
228.500	0.00	0.01	0.020	O	|	|	|	|	0.01
228.583	0.00	0.01	0.020	O	|	|	|	|	0.01
228.667	0.00	0.01	0.020	O	|	|	|	|	0.01
228.750	0.00	0.01	0.020	O	|	|	|	|	0.01
228.833	0.00	0.01	0.020	O	|	|	|	|	0.01
228.917	0.00	0.01	0.020	O	|	|	|	|	0.01
229.000	0.00	0.01	0.020	O	|	|	|	|	0.01

229.083	0.00	0.01	0.020	O	|	|	|	|	0.01
229.167	0.00	0.01	0.020	O	|	|	|	|	0.01
229.250	0.00	0.01	0.020	O	|	|	|	|	0.01
229.333	0.00	0.01	0.020	O	|	|	|	|	0.01
229.417	0.00	0.01	0.020	O	|	|	|	|	0.01
229.500	0.00	0.01	0.020	O	|	|	|	|	0.01
229.583	0.00	0.01	0.020	O	|	|	|	|	0.01
229.667	0.00	0.01	0.020	O	|	|	|	|	0.01
229.750	0.00	0.01	0.020	O	|	|	|	|	0.01
229.833	0.00	0.01	0.020	O	|	|	|	|	0.01
229.917	0.00	0.01	0.019	O	|	|	|	|	0.01
230.000	0.00	0.01	0.019	O	|	|	|	|	0.01
230.083	0.00	0.01	0.019	O	|	|	|	|	0.01
230.167	0.00	0.01	0.019	O	|	|	|	|	0.01
230.250	0.00	0.01	0.019	O	|	|	|	|	0.01
230.333	0.00	0.01	0.019	O	|	|	|	|	0.01
230.417	0.00	0.01	0.019	O	|	|	|	|	0.01
230.500	0.00	0.01	0.019	O	|	|	|	|	0.01
230.583	0.00	0.01	0.019	O	|	|	|	|	0.01
230.667	0.00	0.01	0.019	O	|	|	|	|	0.01
230.750	0.00	0.01	0.019	O	|	|	|	|	0.01
230.833	0.00	0.01	0.019	O	|	|	|	|	0.01
230.917	0.00	0.01	0.019	O	|	|	|	|	0.01
231.000	0.00	0.01	0.019	O	|	|	|	|	0.01
231.083	0.00	0.01	0.019	O	|	|	|	|	0.01
231.167	0.00	0.01	0.019	O	|	|	|	|	0.01
231.250	0.00	0.01	0.019	O	|	|	|	|	0.01
231.333	0.00	0.01	0.019	O	|	|	|	|	0.01
231.417	0.00	0.01	0.019	O	|	|	|	|	0.01
231.500	0.00	0.01	0.019	O	|	|	|	|	0.01
231.583	0.00	0.01	0.019	O	|	|	|	|	0.01
231.667	0.00	0.01	0.019	O	|	|	|	|	0.01
231.750	0.00	0.01	0.019	O	|	|	|	|	0.01
231.833	0.00	0.01	0.019	O	|	|	|	|	0.01
231.917	0.00	0.01	0.018	O	|	|	|	|	0.01
232.000	0.00	0.01	0.018	O	|	|	|	|	0.01
232.083	0.00	0.01	0.018	O	|	|	|	|	0.01
232.167	0.00	0.01	0.018	O	|	|	|	|	0.01
232.250	0.00	0.01	0.018	O	|	|	|	|	0.01
232.333	0.00	0.01	0.018	O	|	|	|	|	0.01
232.417	0.00	0.01	0.018	O	|	|	|	|	0.01
232.500	0.00	0.01	0.018	O	|	|	|	|	0.01
232.583	0.00	0.01	0.018	O	|	|	|	|	0.01
232.667	0.00	0.01	0.018	O	|	|	|	|	0.01
232.750	0.00	0.01	0.018	O	|	|	|	|	0.01
232.833	0.00	0.01	0.018	O	|	|	|	|	0.01
232.917	0.00	0.01	0.018	O	|	|	|	|	0.01
233.000	0.00	0.01	0.018	O	|	|	|	|	0.01
233.083	0.00	0.01	0.018	O	|	|	|	|	0.01
233.167	0.00	0.01	0.018	O	|	|	|	|	0.01
233.250	0.00	0.01	0.018	O	|	|	|	|	0.01
233.333	0.00	0.01	0.018	O	|	|	|	|	0.01
233.417	0.00	0.01	0.018	O	|	|	|	|	0.01
233.500	0.00	0.01	0.018	O	|	|	|	|	0.01
233.583	0.00	0.01	0.018	O	|	|	|	|	0.01
233.667	0.00	0.01	0.018	O	|	|	|	|	0.01
233.750	0.00	0.01	0.018	O	|	|	|	|	0.01
233.833	0.00	0.01	0.018	O	|	|	|	|	0.01
233.917	0.00	0.01	0.018	O	|	|	|	|	0.01
234.000	0.00	0.01	0.017	O	|	|	|	|	0.01
234.083	0.00	0.01	0.017	O	|	|	|	|	0.01
234.167	0.00	0.01	0.017	O	|	|	|	|	0.01
234.250	0.00	0.01	0.017	O	|	|	|	|	0.01
234.333	0.00	0.01	0.017	O	|	|	|	|	0.01
234.417	0.00	0.01	0.017	O	|	|	|	|	0.01
234.500	0.00	0.01	0.017	O	|	|	|	|	0.01
234.583	0.00	0.01	0.017	O	|	|	|	|	0.01

234.667	0.00	0.01	0.017	O	|	|	|	|	0.01
234.750	0.00	0.01	0.017	O	|	|	|	|	0.01
234.833	0.00	0.01	0.017	O	|	|	|	|	0.01
234.917	0.00	0.01	0.017	O	|	|	|	|	0.01
235.000	0.00	0.01	0.017	O	|	|	|	|	0.01
235.083	0.00	0.01	0.017	O	|	|	|	|	0.01
235.167	0.00	0.01	0.017	O	|	|	|	|	0.01
235.250	0.00	0.01	0.017	O	|	|	|	|	0.01
235.333	0.00	0.01	0.017	O	|	|	|	|	0.01
235.417	0.00	0.01	0.017	O	|	|	|	|	0.01
235.500	0.00	0.01	0.017	O	|	|	|	|	0.01
235.583	0.00	0.01	0.017	O	|	|	|	|	0.01
235.667	0.00	0.01	0.017	O	|	|	|	|	0.01
235.750	0.00	0.01	0.017	O	|	|	|	|	0.01
235.833	0.00	0.01	0.017	O	|	|	|	|	0.01
235.917	0.00	0.01	0.017	O	|	|	|	|	0.01
236.000	0.00	0.01	0.017	O	|	|	|	|	0.01
236.083	0.00	0.01	0.017	O	|	|	|	|	0.01
236.167	0.00	0.01	0.016	O	|	|	|	|	0.01
236.250	0.00	0.01	0.016	O	|	|	|	|	0.01
236.333	0.00	0.01	0.016	O	|	|	|	|	0.01
236.417	0.00	0.01	0.016	O	|	|	|	|	0.01
236.500	0.00	0.01	0.016	O	|	|	|	|	0.01
236.583	0.00	0.01	0.016	O	|	|	|	|	0.01
236.667	0.00	0.01	0.016	O	|	|	|	|	0.01
236.750	0.00	0.01	0.016	O	|	|	|	|	0.01
236.833	0.00	0.01	0.016	O	|	|	|	|	0.01
236.917	0.00	0.01	0.016	O	|	|	|	|	0.01
237.000	0.00	0.01	0.016	O	|	|	|	|	0.01
237.083	0.00	0.01	0.016	O	|	|	|	|	0.01
237.167	0.00	0.01	0.016	O	|	|	|	|	0.01
237.250	0.00	0.01	0.016	O	|	|	|	|	0.01
237.333	0.00	0.01	0.016	O	|	|	|	|	0.01
237.417	0.00	0.01	0.016	O	|	|	|	|	0.01
237.500	0.00	0.01	0.016	O	|	|	|	|	0.01
237.583	0.00	0.01	0.016	O	|	|	|	|	0.01
237.667	0.00	0.01	0.016	O	|	|	|	|	0.01
237.750	0.00	0.01	0.016	O	|	|	|	|	0.01
237.833	0.00	0.01	0.016	O	|	|	|	|	0.01
237.917	0.00	0.01	0.016	O	|	|	|	|	0.01
238.000	0.00	0.01	0.016	O	|	|	|	|	0.01
238.083	0.00	0.01	0.016	O	|	|	|	|	0.01
238.167	0.00	0.01	0.016	O	|	|	|	|	0.01
238.250	0.00	0.01	0.016	O	|	|	|	|	0.01
238.333	0.00	0.01	0.016	O	|	|	|	|	0.01
238.417	0.00	0.01	0.016	O	|	|	|	|	0.01
238.500	0.00	0.01	0.015	O	|	|	|	|	0.01
238.583	0.00	0.01	0.015	O	|	|	|	|	0.01
238.667	0.00	0.00	0.015	O	|	|	|	|	0.01
238.750	0.00	0.00	0.015	O	|	|	|	|	0.01
238.833	0.00	0.00	0.015	O	|	|	|	|	0.01
238.917	0.00	0.00	0.015	O	|	|	|	|	0.01
239.000	0.00	0.00	0.015	O	|	|	|	|	0.01
239.083	0.00	0.00	0.015	O	|	|	|	|	0.01
239.167	0.00	0.00	0.015	O	|	|	|	|	0.01
239.250	0.00	0.00	0.015	O	|	|	|	|	0.01
239.333	0.00	0.00	0.015	O	|	|	|	|	0.01
239.417	0.00	0.00	0.015	O	|	|	|	|	0.01
239.500	0.00	0.00	0.015	O	|	|	|	|	0.01
239.583	0.00	0.00	0.015	O	|	|	|	|	0.01
239.667	0.00	0.00	0.015	O	|	|	|	|	0.01
239.750	0.00	0.00	0.015	O	|	|	|	|	0.01
239.833	0.00	0.00	0.015	O	|	|	|	|	0.01
239.917	0.00	0.00	0.015	O	|	|	|	|	0.01
240.000	0.00	0.00	0.015	O	|	|	|	|	0.01
240.083	0.00	0.00	0.015	O	|	|	|	|	0.01
240.167	0.00	0.00	0.015	O	|	|	|	|	0.01

240.250	0.00	0.00	0.015	O				0.01
240.333	0.00	0.00	0.015	O				0.01
240.417	0.00	0.00	0.015	O				0.01
240.500	0.00	0.00	0.015	O				0.01
240.583	0.00	0.00	0.015	O				0.01
240.667	0.00	0.00	0.015	O				0.01
240.750	0.00	0.00	0.015	O				0.01
240.833	0.00	0.00	0.015	O				0.01
240.917	0.00	0.00	0.015	O				0.01
241.000	0.00	0.00	0.014	O				0.01
241.083	0.00	0.00	0.014	O				0.01
241.167	0.00	0.00	0.014	O				0.01
241.250	0.00	0.00	0.014	O				0.01
241.333	0.00	0.00	0.014	O				0.01
241.417	0.00	0.00	0.014	O				0.01
241.500	0.00	0.00	0.014	O				0.01
241.583	0.00	0.00	0.014	O				0.01
241.667	0.00	0.00	0.014	O				0.01
241.750	0.00	0.00	0.014	O				0.01
241.833	0.00	0.00	0.014	O				0.01
241.917	0.00	0.00	0.014	O				0.01
242.000	0.00	0.00	0.014	O				0.01
242.083	0.00	0.00	0.014	O				0.01
242.167	0.00	0.00	0.014	O				0.01
242.250	0.00	0.00	0.014	O				0.01
242.333	0.00	0.00	0.014	O				0.01
242.417	0.00	0.00	0.014	O				0.01
242.500	0.00	0.00	0.014	O				0.01
242.583	0.00	0.00	0.014	O				0.01
242.667	0.00	0.00	0.014	O				0.01
242.750	0.00	0.00	0.014	O				0.01
242.833	0.00	0.00	0.014	O				0.01
242.917	0.00	0.00	0.014	O				0.01
243.000	0.00	0.00	0.014	O				0.01
243.083	0.00	0.00	0.014	O				0.01
243.167	0.00	0.00	0.014	O				0.01
243.250	0.00	0.00	0.014	O				0.01
243.333	0.00	0.00	0.014	O				0.01
243.417	0.00	0.00	0.014	O				0.01
243.500	0.00	0.00	0.014	O				0.01
243.583	0.00	0.00	0.014	O				0.01
243.667	0.00	0.00	0.013	O				0.01
243.750	0.00	0.00	0.013	O				0.01
243.833	0.00	0.00	0.013	O				0.01
243.917	0.00	0.00	0.013	O				0.01
244.000	0.00	0.00	0.013	O				0.01
244.083	0.00	0.00	0.013	O				0.01
244.167	0.00	0.00	0.013	O				0.01
244.250	0.00	0.00	0.013	O				0.01
244.333	0.00	0.00	0.013	O				0.01
244.417	0.00	0.00	0.013	O				0.01
244.500	0.00	0.00	0.013	O				0.01
244.583	0.00	0.00	0.013	O				0.01
244.667	0.00	0.00	0.013	O				0.01
244.750	0.00	0.00	0.013	O				0.01
244.833	0.00	0.00	0.013	O				0.01
244.917	0.00	0.00	0.013	O				0.01
245.000	0.00	0.00	0.013	O				0.01
245.083	0.00	0.00	0.013	O				0.01
245.167	0.00	0.00	0.013	O				0.01
245.250	0.00	0.00	0.013	O				0.01
245.333	0.00	0.00	0.013	O				0.01
245.417	0.00	0.00	0.013	O				0.01
245.500	0.00	0.00	0.013	O				0.01
245.583	0.00	0.00	0.013	O				0.01
245.667	0.00	0.00	0.013	O				0.01
245.750	0.00	0.00	0.013	O				0.01

245.833	0.00	0.00	0.013	O	|	|	|	|	0.01
245.917	0.00	0.00	0.013	O	|	|	|	|	0.01
246.000	0.00	0.00	0.013	O	|	|	|	|	0.01
246.083	0.00	0.00	0.013	O	|	|	|	|	0.01
246.167	0.00	0.00	0.013	O	|	|	|	|	0.01
246.250	0.00	0.00	0.013	O	|	|	|	|	0.01
246.333	0.00	0.00	0.013	O	|	|	|	|	0.01
246.417	0.00	0.00	0.013	O	|	|	|	|	0.01
246.500	0.00	0.00	0.012	O	|	|	|	|	0.01
246.583	0.00	0.00	0.012	O	|	|	|	|	0.01
246.667	0.00	0.00	0.012	O	|	|	|	|	0.01
246.750	0.00	0.00	0.012	O	|	|	|	|	0.01
246.833	0.00	0.00	0.012	O	|	|	|	|	0.01
246.917	0.00	0.00	0.012	O	|	|	|	|	0.01
247.000	0.00	0.00	0.012	O	|	|	|	|	0.01
247.083	0.00	0.00	0.012	O	|	|	|	|	0.01
247.167	0.00	0.00	0.012	O	|	|	|	|	0.01
247.250	0.00	0.00	0.012	O	|	|	|	|	0.01
247.333	0.00	0.00	0.012	O	|	|	|	|	0.01
247.417	0.00	0.00	0.012	O	|	|	|	|	0.01
247.500	0.00	0.00	0.012	O	|	|	|	|	0.01
247.583	0.00	0.00	0.012	O	|	|	|	|	0.01
247.667	0.00	0.00	0.012	O	|	|	|	|	0.01
247.750	0.00	0.00	0.012	O	|	|	|	|	0.01
247.833	0.00	0.00	0.012	O	|	|	|	|	0.01
247.917	0.00	0.00	0.012	O	|	|	|	|	0.01
248.000	0.00	0.00	0.012	O	|	|	|	|	0.01
248.083	0.00	0.00	0.012	O	|	|	|	|	0.01
248.167	0.00	0.00	0.012	O	|	|	|	|	0.01
248.250	0.00	0.00	0.012	O	|	|	|	|	0.01
248.333	0.00	0.00	0.012	O	|	|	|	|	0.01
248.417	0.00	0.00	0.012	O	|	|	|	|	0.01
248.500	0.00	0.00	0.012	O	|	|	|	|	0.01
248.583	0.00	0.00	0.012	O	|	|	|	|	0.01
248.667	0.00	0.00	0.012	O	|	|	|	|	0.01
248.750	0.00	0.00	0.012	O	|	|	|	|	0.01
248.833	0.00	0.00	0.012	O	|	|	|	|	0.01
248.917	0.00	0.00	0.012	O	|	|	|	|	0.01
249.000	0.00	0.00	0.012	O	|	|	|	|	0.01
249.083	0.00	0.00	0.012	O	|	|	|	|	0.01
249.167	0.00	0.00	0.012	O	|	|	|	|	0.01
249.250	0.00	0.00	0.012	O	|	|	|	|	0.01
249.333	0.00	0.00	0.012	O	|	|	|	|	0.01
249.417	0.00	0.00	0.012	O	|	|	|	|	0.01
249.500	0.00	0.00	0.012	O	|	|	|	|	0.01
249.583	0.00	0.00	0.012	O	|	|	|	|	0.01
249.667	0.00	0.00	0.011	O	|	|	|	|	0.01
249.750	0.00	0.00	0.011	O	|	|	|	|	0.01
249.833	0.00	0.00	0.011	O	|	|	|	|	0.01
249.917	0.00	0.00	0.011	O	|	|	|	|	0.01
250.000	0.00	0.00	0.011	O	|	|	|	|	0.01
250.083	0.00	0.00	0.011	O	|	|	|	|	0.01
250.167	0.00	0.00	0.011	O	|	|	|	|	0.01
250.250	0.00	0.00	0.011	O	|	|	|	|	0.01
250.333	0.00	0.00	0.011	O	|	|	|	|	0.01
250.417	0.00	0.00	0.011	O	|	|	|	|	0.01
250.500	0.00	0.00	0.011	O	|	|	|	|	0.01
250.583	0.00	0.00	0.011	O	|	|	|	|	0.01
250.667	0.00	0.00	0.011	O	|	|	|	|	0.01
250.750	0.00	0.00	0.011	O	|	|	|	|	0.01
250.833	0.00	0.00	0.011	O	|	|	|	|	0.01
250.917	0.00	0.00	0.011	O	|	|	|	|	0.01
251.000	0.00	0.00	0.011	O	|	|	|	|	0.01
251.083	0.00	0.00	0.011	O	|	|	|	|	0.01
251.167	0.00	0.00	0.011	O	|	|	|	|	0.01
251.250	0.00	0.00	0.011	O	|	|	|	|	0.01
251.333	0.00	0.00	0.011	O	|	|	|	|	0.01

251.417	0.00	0.00	0.011	O	|	|	|	|	0.01
251.500	0.00	0.00	0.011	O	|	|	|	|	0.01
251.583	0.00	0.00	0.011	O	|	|	|	|	0.01
251.667	0.00	0.00	0.011	O	|	|	|	|	0.01
251.750	0.00	0.00	0.011	O	|	|	|	|	0.01
251.833	0.00	0.00	0.011	O	|	|	|	|	0.01
251.917	0.00	0.00	0.011	O	|	|	|	|	0.01
252.000	0.00	0.00	0.011	O	|	|	|	|	0.01
252.083	0.00	0.00	0.011	O	|	|	|	|	0.01
252.167	0.00	0.00	0.011	O	|	|	|	|	0.01
252.250	0.00	0.00	0.011	O	|	|	|	|	0.01
252.333	0.00	0.00	0.011	O	|	|	|	|	0.01
252.417	0.00	0.00	0.011	O	|	|	|	|	0.01
252.500	0.00	0.00	0.011	O	|	|	|	|	0.01
252.583	0.00	0.00	0.011	O	|	|	|	|	0.01
252.667	0.00	0.00	0.011	O	|	|	|	|	0.01
252.750	0.00	0.00	0.011	O	|	|	|	|	0.01
252.833	0.00	0.00	0.011	O	|	|	|	|	0.01
252.917	0.00	0.00	0.011	O	|	|	|	|	0.01
253.000	0.00	0.00	0.010	O	|	|	|	|	0.01
253.083	0.00	0.00	0.010	O	|	|	|	|	0.01
253.167	0.00	0.00	0.010	O	|	|	|	|	0.01
253.250	0.00	0.00	0.010	O	|	|	|	|	0.01
253.333	0.00	0.00	0.010	O	|	|	|	|	0.01
253.417	0.00	0.00	0.010	O	|	|	|	|	0.01
253.500	0.00	0.00	0.010	O	|	|	|	|	0.01
253.583	0.00	0.00	0.010	O	|	|	|	|	0.01
253.667	0.00	0.00	0.010	O	|	|	|	|	0.01
253.750	0.00	0.00	0.010	O	|	|	|	|	0.01
253.833	0.00	0.00	0.010	O	|	|	|	|	0.01
253.917	0.00	0.00	0.010	O	|	|	|	|	0.01
254.000	0.00	0.00	0.010	O	|	|	|	|	0.01
254.083	0.00	0.00	0.010	O	|	|	|	|	0.01
254.167	0.00	0.00	0.010	O	|	|	|	|	0.01
254.250	0.00	0.00	0.010	O	|	|	|	|	0.01
254.333	0.00	0.00	0.010	O	|	|	|	|	0.01
254.417	0.00	0.00	0.010	O	|	|	|	|	0.01
254.500	0.00	0.00	0.010	O	|	|	|	|	0.01
254.583	0.00	0.00	0.010	O	|	|	|	|	0.01
254.667	0.00	0.00	0.010	O	|	|	|	|	0.01
254.750	0.00	0.00	0.010	O	|	|	|	|	0.01
254.833	0.00	0.00	0.010	O	|	|	|	|	0.01
254.917	0.00	0.00	0.010	O	|	|	|	|	0.01
255.000	0.00	0.00	0.010	O	|	|	|	|	0.01
255.083	0.00	0.00	0.010	O	|	|	|	|	0.01
255.167	0.00	0.00	0.010	O	|	|	|	|	0.01
255.250	0.00	0.00	0.010	O	|	|	|	|	0.01
255.333	0.00	0.00	0.010	O	|	|	|	|	0.01
255.417	0.00	0.00	0.010	O	|	|	|	|	0.01
255.500	0.00	0.00	0.010	O	|	|	|	|	0.01
255.583	0.00	0.00	0.010	O	|	|	|	|	0.01
255.667	0.00	0.00	0.010	O	|	|	|	|	0.01
255.750	0.00	0.00	0.010	O	|	|	|	|	0.01
255.833	0.00	0.00	0.010	O	|	|	|	|	0.01
255.917	0.00	0.00	0.010	O	|	|	|	|	0.01
256.000	0.00	0.00	0.010	O	|	|	|	|	0.01
256.083	0.00	0.00	0.010	O	|	|	|	|	0.01
256.167	0.00	0.00	0.010	O	|	|	|	|	0.01
256.250	0.00	0.00	0.010	O	|	|	|	|	0.01
256.333	0.00	0.00	0.010	O	|	|	|	|	0.01
256.417	0.00	0.00	0.010	O	|	|	|	|	0.01
256.500	0.00	0.00	0.010	O	|	|	|	|	0.01
256.583	0.00	0.00	0.010	O	|	|	|	|	0.01
256.667	0.00	0.00	0.010	O	|	|	|	|	0.01
256.750	0.00	0.00	0.009	O	|	|	|	|	0.01
256.833	0.00	0.00	0.009	O	|	|	|	|	0.01
256.917	0.00	0.00	0.009	O	|	|	|	|	0.01

257.000	0.00	0.00	0.009	O	|	|	|	|	0.01
257.083	0.00	0.00	0.009	O	|	|	|	|	0.01
257.167	0.00	0.00	0.009	O	|	|	|	|	0.01
257.250	0.00	0.00	0.009	O	|	|	|	|	0.01
257.333	0.00	0.00	0.009	O	|	|	|	|	0.01
257.417	0.00	0.00	0.009	O	|	|	|	|	0.01
257.500	0.00	0.00	0.009	O	|	|	|	|	0.01
257.583	0.00	0.00	0.009	O	|	|	|	|	0.01
257.667	0.00	0.00	0.009	O	|	|	|	|	0.01
257.750	0.00	0.00	0.009	O	|	|	|	|	0.01
257.833	0.00	0.00	0.009	O	|	|	|	|	0.01
257.917	0.00	0.00	0.009	O	|	|	|	|	0.01
258.000	0.00	0.00	0.009	O	|	|	|	|	0.01
258.083	0.00	0.00	0.009	O	|	|	|	|	0.01
258.167	0.00	0.00	0.009	O	|	|	|	|	0.01
258.250	0.00	0.00	0.009	O	|	|	|	|	0.01
258.333	0.00	0.00	0.009	O	|	|	|	|	0.01
258.417	0.00	0.00	0.009	O	|	|	|	|	0.01
258.500	0.00	0.00	0.009	O	|	|	|	|	0.01
258.583	0.00	0.00	0.009	O	|	|	|	|	0.01
258.667	0.00	0.00	0.009	O	|	|	|	|	0.01
258.750	0.00	0.00	0.009	O	|	|	|	|	0.01
258.833	0.00	0.00	0.009	O	|	|	|	|	0.01
258.917	0.00	0.00	0.009	O	|	|	|	|	0.01
259.000	0.00	0.00	0.009	O	|	|	|	|	0.01
259.083	0.00	0.00	0.009	O	|	|	|	|	0.01
259.167	0.00	0.00	0.009	O	|	|	|	|	0.01
259.250	0.00	0.00	0.009	O	|	|	|	|	0.01
259.333	0.00	0.00	0.009	O	|	|	|	|	0.01
259.417	0.00	0.00	0.009	O	|	|	|	|	0.01
259.500	0.00	0.00	0.009	O	|	|	|	|	0.01
259.583	0.00	0.00	0.009	O	|	|	|	|	0.01
259.667	0.00	0.00	0.009	O	|	|	|	|	0.01
259.750	0.00	0.00	0.009	O	|	|	|	|	0.01
259.833	0.00	0.00	0.009	O	|	|	|	|	0.01
259.917	0.00	0.00	0.009	O	|	|	|	|	0.01
260.000	0.00	0.00	0.009	O	|	|	|	|	0.01
260.083	0.00	0.00	0.009	O	|	|	|	|	0.01
260.167	0.00	0.00	0.009	O	|	|	|	|	0.01
260.250	0.00	0.00	0.009	O	|	|	|	|	0.01
260.333	0.00	0.00	0.009	O	|	|	|	|	0.01
260.417	0.00	0.00	0.009	O	|	|	|	|	0.01
260.500	0.00	0.00	0.009	O	|	|	|	|	0.01
260.583	0.00	0.00	0.009	O	|	|	|	|	0.01
260.667	0.00	0.00	0.009	O	|	|	|	|	0.01
260.750	0.00	0.00	0.009	O	|	|	|	|	0.01
260.833	0.00	0.00	0.009	O	|	|	|	|	0.01
260.917	0.00	0.00	0.008	O	|	|	|	|	0.01
261.000	0.00	0.00	0.008	O	|	|	|	|	0.01
261.083	0.00	0.00	0.008	O	|	|	|	|	0.01
261.167	0.00	0.00	0.008	O	|	|	|	|	0.01
261.250	0.00	0.00	0.008	O	|	|	|	|	0.01
261.333	0.00	0.00	0.008	O	|	|	|	|	0.01
261.417	0.00	0.00	0.008	O	|	|	|	|	0.01
261.500	0.00	0.00	0.008	O	|	|	|	|	0.01
261.583	0.00	0.00	0.008	O	|	|	|	|	0.01
261.667	0.00	0.00	0.008	O	|	|	|	|	0.01
261.750	0.00	0.00	0.008	O	|	|	|	|	0.01
261.833	0.00	0.00	0.008	O	|	|	|	|	0.01
261.917	0.00	0.00	0.008	O	|	|	|	|	0.01
262.000	0.00	0.00	0.008	O	|	|	|	|	0.01
262.083	0.00	0.00	0.008	O	|	|	|	|	0.01
262.167	0.00	0.00	0.008	O	|	|	|	|	0.01
262.250	0.00	0.00	0.008	O	|	|	|	|	0.01
262.333	0.00	0.00	0.008	O	|	|	|	|	0.01
262.417	0.00	0.00	0.008	O	|	|	|	|	0.01
262.500	0.00	0.00	0.008	O	|	|	|	|	0.01

262.583	0.00	0.00	0.008	O	|	|	|	0.01
262.667	0.00	0.00	0.008	O	|	|	|	0.01
262.750	0.00	0.00	0.008	O	|	|	|	0.01
262.833	0.00	0.00	0.008	O	|	|	|	0.01
262.917	0.00	0.00	0.008	O	|	|	|	0.01
263.000	0.00	0.00	0.008	O	|	|	|	0.01
263.083	0.00	0.00	0.008	O	|	|	|	0.01
263.167	0.00	0.00	0.008	O	|	|	|	0.01
263.250	0.00	0.00	0.008	O	|	|	|	0.01
263.333	0.00	0.00	0.008	O	|	|	|	0.01
263.417	0.00	0.00	0.008	O	|	|	|	0.01
263.500	0.00	0.00	0.008	O	|	|	|	0.01
263.583	0.00	0.00	0.008	O	|	|	|	0.01
263.667	0.00	0.00	0.008	O	|	|	|	0.01
263.750	0.00	0.00	0.008	O	|	|	|	0.01
263.833	0.00	0.00	0.008	O	|	|	|	0.01
263.917	0.00	0.00	0.008	O	|	|	|	0.01
264.000	0.00	0.00	0.008	O	|	|	|	0.01
264.083	0.00	0.00	0.008	O	|	|	|	0.01
264.167	0.00	0.00	0.008	O	|	|	|	0.01
264.250	0.00	0.00	0.008	O	|	|	|	0.01
264.333	0.00	0.00	0.008	O	|	|	|	0.01
264.417	0.00	0.00	0.008	O	|	|	|	0.01
264.500	0.00	0.00	0.008	O	|	|	|	0.01
264.583	0.00	0.00	0.008	O	|	|	|	0.01
264.667	0.00	0.00	0.008	O	|	|	|	0.01
264.750	0.00	0.00	0.008	O	|	|	|	0.01
264.833	0.00	0.00	0.008	O	|	|	|	0.01
264.917	0.00	0.00	0.008	O	|	|	|	0.01
265.000	0.00	0.00	0.008	O	|	|	|	0.01
265.083	0.00	0.00	0.008	O	|	|	|	0.01
265.167	0.00	0.00	0.008	O	|	|	|	0.01
265.250	0.00	0.00	0.008	O	|	|	|	0.01
265.333	0.00	0.00	0.008	O	|	|	|	0.01
265.417	0.00	0.00	0.008	O	|	|	|	0.01
265.500	0.00	0.00	0.008	O	|	|	|	0.01
265.583	0.00	0.00	0.007	O	|	|	|	0.01
265.667	0.00	0.00	0.007	O	|	|	|	0.01
265.750	0.00	0.00	0.007	O	|	|	|	0.01
265.833	0.00	0.00	0.007	O	|	|	|	0.01
265.917	0.00	0.00	0.007	O	|	|	|	0.01
266.000	0.00	0.00	0.007	O	|	|	|	0.01
266.083	0.00	0.00	0.007	O	|	|	|	0.01
266.167	0.00	0.00	0.007	O	|	|	|	0.01
266.250	0.00	0.00	0.007	O	|	|	|	0.01
266.333	0.00	0.00	0.007	O	|	|	|	0.01
266.417	0.00	0.00	0.007	O	|	|	|	0.01
266.500	0.00	0.00	0.007	O	|	|	|	0.01
266.583	0.00	0.00	0.007	O	|	|	|	0.01
266.667	0.00	0.00	0.007	O	|	|	|	0.01
266.750	0.00	0.00	0.007	O	|	|	|	0.01
266.833	0.00	0.00	0.007	O	|	|	|	0.00
266.917	0.00	0.00	0.007	O	|	|	|	0.00
267.000	0.00	0.00	0.007	O	|	|	|	0.00
267.083	0.00	0.00	0.007	O	|	|	|	0.00
267.167	0.00	0.00	0.007	O	|	|	|	0.00
267.250	0.00	0.00	0.007	O	|	|	|	0.00
267.333	0.00	0.00	0.007	O	|	|	|	0.00
267.417	0.00	0.00	0.007	O	|	|	|	0.00
267.500	0.00	0.00	0.007	O	|	|	|	0.00
267.583	0.00	0.00	0.007	O	|	|	|	0.00
267.667	0.00	0.00	0.007	O	|	|	|	0.00
267.750	0.00	0.00	0.007	O	|	|	|	0.00
267.833	0.00	0.00	0.007	O	|	|	|	0.00
267.917	0.00	0.00	0.007	O	|	|	|	0.00
268.000	0.00	0.00	0.007	O	|	|	|	0.00
268.083	0.00	0.00	0.007	O	|	|	|	0.00

268.167	0.00	0.00	0.007	O	|	|	|	0.00
268.250	0.00	0.00	0.007	O	|	|	|	0.00
268.333	0.00	0.00	0.007	O	|	|	|	0.00
268.417	0.00	0.00	0.007	O	|	|	|	0.00
268.500	0.00	0.00	0.007	O	|	|	|	0.00
268.583	0.00	0.00	0.007	O	|	|	|	0.00
268.667	0.00	0.00	0.007	O	|	|	|	0.00
268.750	0.00	0.00	0.007	O	|	|	|	0.00
268.833	0.00	0.00	0.007	O	|	|	|	0.00
268.917	0.00	0.00	0.007	O	|	|	|	0.00
269.000	0.00	0.00	0.007	O	|	|	|	0.00
269.083	0.00	0.00	0.007	O	|	|	|	0.00
269.167	0.00	0.00	0.007	O	|	|	|	0.00
269.250	0.00	0.00	0.007	O	|	|	|	0.00
269.333	0.00	0.00	0.007	O	|	|	|	0.00
269.417	0.00	0.00	0.007	O	|	|	|	0.00
269.500	0.00	0.00	0.007	O	|	|	|	0.00
269.583	0.00	0.00	0.007	O	|	|	|	0.00
269.667	0.00	0.00	0.007	O	|	|	|	0.00
269.750	0.00	0.00	0.007	O	|	|	|	0.00
269.833	0.00	0.00	0.007	O	|	|	|	0.00
269.917	0.00	0.00	0.007	O	|	|	|	0.00
270.000	0.00	0.00	0.007	O	|	|	|	0.00
270.083	0.00	0.00	0.007	O	|	|	|	0.00
270.167	0.00	0.00	0.007	O	|	|	|	0.00
270.250	0.00	0.00	0.007	O	|	|	|	0.00
270.333	0.00	0.00	0.007	O	|	|	|	0.00
270.417	0.00	0.00	0.007	O	|	|	|	0.00
270.500	0.00	0.00	0.007	O	|	|	|	0.00
270.583	0.00	0.00	0.007	O	|	|	|	0.00
270.667	0.00	0.00	0.007	O	|	|	|	0.00
270.750	0.00	0.00	0.007	O	|	|	|	0.00
270.833	0.00	0.00	0.007	O	|	|	|	0.00
270.917	0.00	0.00	0.006	O	|	|	|	0.00
271.000	0.00	0.00	0.006	O	|	|	|	0.00
271.083	0.00	0.00	0.006	O	|	|	|	0.00
271.167	0.00	0.00	0.006	O	|	|	|	0.00
271.250	0.00	0.00	0.006	O	|	|	|	0.00
271.333	0.00	0.00	0.006	O	|	|	|	0.00
271.417	0.00	0.00	0.006	O	|	|	|	0.00
271.500	0.00	0.00	0.006	O	|	|	|	0.00
271.583	0.00	0.00	0.006	O	|	|	|	0.00
271.667	0.00	0.00	0.006	O	|	|	|	0.00
271.750	0.00	0.00	0.006	O	|	|	|	0.00
271.833	0.00	0.00	0.006	O	|	|	|	0.00
271.917	0.00	0.00	0.006	O	|	|	|	0.00
272.000	0.00	0.00	0.006	O	|	|	|	0.00
272.083	0.00	0.00	0.006	O	|	|	|	0.00
272.167	0.00	0.00	0.006	O	|	|	|	0.00
272.250	0.00	0.00	0.006	O	|	|	|	0.00
272.333	0.00	0.00	0.006	O	|	|	|	0.00
272.417	0.00	0.00	0.006	O	|	|	|	0.00
272.500	0.00	0.00	0.006	O	|	|	|	0.00
272.583	0.00	0.00	0.006	O	|	|	|	0.00
272.667	0.00	0.00	0.006	O	|	|	|	0.00
272.750	0.00	0.00	0.006	O	|	|	|	0.00
272.833	0.00	0.00	0.006	O	|	|	|	0.00
272.917	0.00	0.00	0.006	O	|	|	|	0.00
273.000	0.00	0.00	0.006	O	|	|	|	0.00
273.083	0.00	0.00	0.006	O	|	|	|	0.00
273.167	0.00	0.00	0.006	O	|	|	|	0.00
273.250	0.00	0.00	0.006	O	|	|	|	0.00
273.333	0.00	0.00	0.006	O	|	|	|	0.00
273.417	0.00	0.00	0.006	O	|	|	|	0.00
273.500	0.00	0.00	0.006	O	|	|	|	0.00
273.583	0.00	0.00	0.006	O	|	|	|	0.00
273.667	0.00	0.00	0.006	O	|	|	|	0.00

273.750	0.00	0.00	0.006	O	|	|	|	0.00
273.833	0.00	0.00	0.006	O	|	|	|	0.00
273.917	0.00	0.00	0.006	O	|	|	|	0.00
274.000	0.00	0.00	0.006	O	|	|	|	0.00
274.083	0.00	0.00	0.006	O	|	|	|	0.00
274.167	0.00	0.00	0.006	O	|	|	|	0.00
274.250	0.00	0.00	0.006	O	|	|	|	0.00
274.333	0.00	0.00	0.006	O	|	|	|	0.00
274.417	0.00	0.00	0.006	O	|	|	|	0.00
274.500	0.00	0.00	0.006	O	|	|	|	0.00
274.583	0.00	0.00	0.006	O	|	|	|	0.00
274.667	0.00	0.00	0.006	O	|	|	|	0.00
274.750	0.00	0.00	0.006	O	|	|	|	0.00
274.833	0.00	0.00	0.006	O	|	|	|	0.00
274.917	0.00	0.00	0.006	O	|	|	|	0.00
275.000	0.00	0.00	0.006	O	|	|	|	0.00
275.083	0.00	0.00	0.006	O	|	|	|	0.00
275.167	0.00	0.00	0.006	O	|	|	|	0.00
275.250	0.00	0.00	0.006	O	|	|	|	0.00
275.333	0.00	0.00	0.006	O	|	|	|	0.00
275.417	0.00	0.00	0.006	O	|	|	|	0.00
275.500	0.00	0.00	0.006	O	|	|	|	0.00
275.583	0.00	0.00	0.006	O	|	|	|	0.00
275.667	0.00	0.00	0.006	O	|	|	|	0.00
275.750	0.00	0.00	0.006	O	|	|	|	0.00
275.833	0.00	0.00	0.006	O	|	|	|	0.00
275.917	0.00	0.00	0.006	O	|	|	|	0.00
276.000	0.00	0.00	0.006	O	|	|	|	0.00
276.083	0.00	0.00	0.006	O	|	|	|	0.00
276.167	0.00	0.00	0.006	O	|	|	|	0.00
276.250	0.00	0.00	0.006	O	|	|	|	0.00
276.333	0.00	0.00	0.006	O	|	|	|	0.00
276.417	0.00	0.00	0.006	O	|	|	|	0.00
276.500	0.00	0.00	0.006	O	|	|	|	0.00
276.583	0.00	0.00	0.006	O	|	|	|	0.00
276.667	0.00	0.00	0.006	O	|	|	|	0.00
276.750	0.00	0.00	0.006	O	|	|	|	0.00
276.833	0.00	0.00	0.006	O	|	|	|	0.00
276.917	0.00	0.00	0.006	O	|	|	|	0.00
277.000	0.00	0.00	0.006	O	|	|	|	0.00
277.083	0.00	0.00	0.006	O	|	|	|	0.00
277.167	0.00	0.00	0.005	O	|	|	|	0.00
277.250	0.00	0.00	0.005	O	|	|	|	0.00
277.333	0.00	0.00	0.005	O	|	|	|	0.00
277.417	0.00	0.00	0.005	O	|	|	|	0.00
277.500	0.00	0.00	0.005	O	|	|	|	0.00
277.583	0.00	0.00	0.005	O	|	|	|	0.00
277.667	0.00	0.00	0.005	O	|	|	|	0.00
277.750	0.00	0.00	0.005	O	|	|	|	0.00
277.833	0.00	0.00	0.005	O	|	|	|	0.00
277.917	0.00	0.00	0.005	O	|	|	|	0.00
278.000	0.00	0.00	0.005	O	|	|	|	0.00
278.083	0.00	0.00	0.005	O	|	|	|	0.00
278.167	0.00	0.00	0.005	O	|	|	|	0.00
278.250	0.00	0.00	0.005	O	|	|	|	0.00
278.333	0.00	0.00	0.005	O	|	|	|	0.00
278.417	0.00	0.00	0.005	O	|	|	|	0.00
278.500	0.00	0.00	0.005	O	|	|	|	0.00
278.583	0.00	0.00	0.005	O	|	|	|	0.00
278.667	0.00	0.00	0.005	O	|	|	|	0.00
278.750	0.00	0.00	0.005	O	|	|	|	0.00
278.833	0.00	0.00	0.005	O	|	|	|	0.00
278.917	0.00	0.00	0.005	O	|	|	|	0.00
279.000	0.00	0.00	0.005	O	|	|	|	0.00
279.083	0.00	0.00	0.005	O	|	|	|	0.00
279.167	0.00	0.00	0.005	O	|	|	|	0.00
279.250	0.00	0.00	0.005	O	|	|	|	0.00

279.333	0.00	0.00	0.005	O					0.00
279.417	0.00	0.00	0.005	O					0.00
279.500	0.00	0.00	0.005	O					0.00
279.583	0.00	0.00	0.005	O					0.00
279.667	0.00	0.00	0.005	O					0.00
279.750	0.00	0.00	0.005	O					0.00
279.833	0.00	0.00	0.005	O					0.00
279.917	0.00	0.00	0.005	O					0.00
280.000	0.00	0.00	0.005	O					0.00
280.083	0.00	0.00	0.005	O					0.00
280.167	0.00	0.00	0.005	O					0.00
280.250	0.00	0.00	0.005	O					0.00
280.333	0.00	0.00	0.005	O					0.00
280.417	0.00	0.00	0.005	O					0.00
280.500	0.00	0.00	0.005	O					0.00
280.583	0.00	0.00	0.005	O					0.00
280.667	0.00	0.00	0.005	O					0.00
280.750	0.00	0.00	0.005	O					0.00
280.833	0.00	0.00	0.005	O					0.00
280.917	0.00	0.00	0.005	O					0.00
281.000	0.00	0.00	0.005	O					0.00
281.083	0.00	0.00	0.005	O					0.00
281.167	0.00	0.00	0.005	O					0.00
281.250	0.00	0.00	0.005	O					0.00
281.333	0.00	0.00	0.005	O					0.00
281.417	0.00	0.00	0.005	O					0.00
281.500	0.00	0.00	0.005	O					0.00
281.583	0.00	0.00	0.005	O					0.00
281.667	0.00	0.00	0.005	O					0.00
281.750	0.00	0.00	0.005	O					0.00
281.833	0.00	0.00	0.005	O					0.00
281.917	0.00	0.00	0.005	O					0.00
282.000	0.00	0.00	0.005	O					0.00
282.083	0.00	0.00	0.005	O					0.00
282.167	0.00	0.00	0.005	O					0.00
282.250	0.00	0.00	0.005	O					0.00
282.333	0.00	0.00	0.005	O					0.00
282.417	0.00	0.00	0.005	O					0.00
282.500	0.00	0.00	0.005	O					0.00
282.583	0.00	0.00	0.005	O					0.00
282.667	0.00	0.00	0.005	O					0.00
282.750	0.00	0.00	0.005	O					0.00
282.833	0.00	0.00	0.005	O					0.00
282.917	0.00	0.00	0.005	O					0.00
283.000	0.00	0.00	0.005	O					0.00
283.083	0.00	0.00	0.005	O					0.00
283.167	0.00	0.00	0.005	O					0.00
283.250	0.00	0.00	0.005	O					0.00
283.333	0.00	0.00	0.005	O					0.00
283.417	0.00	0.00	0.005	O					0.00
283.500	0.00	0.00	0.005	O					0.00
283.583	0.00	0.00	0.005	O					0.00
283.667	0.00	0.00	0.005	O					0.00
283.750	0.00	0.00	0.005	O					0.00
283.833	0.00	0.00	0.005	O					0.00
283.917	0.00	0.00	0.005	O					0.00
284.000	0.00	0.00	0.005	O					0.00
284.083	0.00	0.00	0.005	O					0.00
284.167	0.00	0.00	0.005	O					0.00
284.250	0.00	0.00	0.005	O					0.00
284.333	0.00	0.00	0.005	O					0.00
284.417	0.00	0.00	0.005	O					0.00
284.500	0.00	0.00	0.005	O					0.00
284.583	0.00	0.00	0.005	O					0.00
284.667	0.00	0.00	0.004	O					0.00
284.750	0.00	0.00	0.004	O					0.00
284.833	0.00	0.00	0.004	O					0.00

284.917	0.00	0.00	0.004	O					0.00
285.000	0.00	0.00	0.004	O					0.00
285.083	0.00	0.00	0.004	O					0.00
285.167	0.00	0.00	0.004	O					0.00
285.250	0.00	0.00	0.004	O					0.00
285.333	0.00	0.00	0.004	O					0.00
285.417	0.00	0.00	0.004	O					0.00
285.500	0.00	0.00	0.004	O					0.00
285.583	0.00	0.00	0.004	O					0.00
285.667	0.00	0.00	0.004	O					0.00
285.750	0.00	0.00	0.004	O					0.00
285.833	0.00	0.00	0.004	O					0.00
285.917	0.00	0.00	0.004	O					0.00
286.000	0.00	0.00	0.004	O					0.00
286.083	0.00	0.00	0.004	O					0.00
286.167	0.00	0.00	0.004	O					0.00
286.250	0.00	0.00	0.004	O					0.00
286.333	0.00	0.00	0.004	O					0.00
286.417	0.00	0.00	0.004	O					0.00
286.500	0.00	0.00	0.004	O					0.00
286.583	0.00	0.00	0.004	O					0.00
286.667	0.00	0.00	0.004	O					0.00
286.750	0.00	0.00	0.004	O					0.00
286.833	0.00	0.00	0.004	O					0.00
286.917	0.00	0.00	0.004	O					0.00
287.000	0.00	0.00	0.004	O					0.00
287.083	0.00	0.00	0.004	O					0.00
287.167	0.00	0.00	0.004	O					0.00
287.250	0.00	0.00	0.004	O					0.00
287.333	0.00	0.00	0.004	O					0.00
287.417	0.00	0.00	0.004	O					0.00
287.500	0.00	0.00	0.004	O					0.00
287.583	0.00	0.00	0.004	O					0.00
287.667	0.00	0.00	0.004	O					0.00
287.750	0.00	0.00	0.004	O					0.00
287.833	0.00	0.00	0.004	O					0.00
287.917	0.00	0.00	0.004	O					0.00
288.000	0.00	0.00	0.004	O					0.00
288.083	0.00	0.00	0.004	O					0.00
288.167	0.00	0.00	0.004	O					0.00
288.250	0.00	0.00	0.004	O					0.00
288.333	0.00	0.00	0.004	O					0.00
288.417	0.00	0.00	0.004	O					0.00
288.500	0.00	0.00	0.004	O					0.00
288.583	0.00	0.00	0.004	O					0.00
288.667	0.00	0.00	0.004	O					0.00
288.750	0.00	0.00	0.004	O					0.00
288.833	0.00	0.00	0.004	O					0.00
288.917	0.00	0.00	0.004	O					0.00
289.000	0.00	0.00	0.004	O					0.00
289.083	0.00	0.00	0.004	O					0.00
289.167	0.00	0.00	0.004	O					0.00
289.250	0.00	0.00	0.004	O					0.00
289.333	0.00	0.00	0.004	O					0.00
289.417	0.00	0.00	0.004	O					0.00
289.500	0.00	0.00	0.004	O					0.00
289.583	0.00	0.00	0.004	O					0.00
289.667	0.00	0.00	0.004	O					0.00
289.750	0.00	0.00	0.004	O					0.00
289.833	0.00	0.00	0.004	O					0.00
289.917	0.00	0.00	0.004	O					0.00
290.000	0.00	0.00	0.004	O					0.00
290.083	0.00	0.00	0.004	O					0.00
290.167	0.00	0.00	0.004	O					0.00
290.250	0.00	0.00	0.004	O					0.00
290.333	0.00	0.00	0.004	O					0.00
290.417	0.00	0.00	0.004	O					0.00

290.500	0.00	0.00	0.004	O	|	|	|	|	0.00
290.583	0.00	0.00	0.004	O	|	|	|	|	0.00
290.667	0.00	0.00	0.004	O	|	|	|	|	0.00
290.750	0.00	0.00	0.004	O	|	|	|	|	0.00
290.833	0.00	0.00	0.004	O	|	|	|	|	0.00
290.917	0.00	0.00	0.004	O	|	|	|	|	0.00
291.000	0.00	0.00	0.004	O	|	|	|	|	0.00
291.083	0.00	0.00	0.004	O	|	|	|	|	0.00
291.167	0.00	0.00	0.004	O	|	|	|	|	0.00
291.250	0.00	0.00	0.004	O	|	|	|	|	0.00
291.333	0.00	0.00	0.004	O	|	|	|	|	0.00
291.417	0.00	0.00	0.004	O	|	|	|	|	0.00
291.500	0.00	0.00	0.004	O	|	|	|	|	0.00
291.583	0.00	0.00	0.004	O	|	|	|	|	0.00
291.667	0.00	0.00	0.004	O	|	|	|	|	0.00
291.750	0.00	0.00	0.004	O	|	|	|	|	0.00
291.833	0.00	0.00	0.004	O	|	|	|	|	0.00
291.917	0.00	0.00	0.004	O	|	|	|	|	0.00
292.000	0.00	0.00	0.004	O	|	|	|	|	0.00
292.083	0.00	0.00	0.004	O	|	|	|	|	0.00
292.167	0.00	0.00	0.004	O	|	|	|	|	0.00
292.250	0.00	0.00	0.004	O	|	|	|	|	0.00
292.333	0.00	0.00	0.004	O	|	|	|	|	0.00
292.417	0.00	0.00	0.004	O	|	|	|	|	0.00
292.500	0.00	0.00	0.004	O	|	|	|	|	0.00
292.583	0.00	0.00	0.004	O	|	|	|	|	0.00
292.667	0.00	0.00	0.004	O	|	|	|	|	0.00
292.750	0.00	0.00	0.004	O	|	|	|	|	0.00
292.833	0.00	0.00	0.004	O	|	|	|	|	0.00
292.917	0.00	0.00	0.004	O	|	|	|	|	0.00
293.000	0.00	0.00	0.004	O	|	|	|	|	0.00
293.083	0.00	0.00	0.004	O	|	|	|	|	0.00
293.167	0.00	0.00	0.004	O	|	|	|	|	0.00
293.250	0.00	0.00	0.004	O	|	|	|	|	0.00
293.333	0.00	0.00	0.004	O	|	|	|	|	0.00
293.417	0.00	0.00	0.004	O	|	|	|	|	0.00
293.500	0.00	0.00	0.004	O	|	|	|	|	0.00
293.583	0.00	0.00	0.004	O	|	|	|	|	0.00
293.667	0.00	0.00	0.004	O	|	|	|	|	0.00
293.750	0.00	0.00	0.004	O	|	|	|	|	0.00
293.833	0.00	0.00	0.004	O	|	|	|	|	0.00
293.917	0.00	0.00	0.004	O	|	|	|	|	0.00
294.000	0.00	0.00	0.004	O	|	|	|	|	0.00
294.083	0.00	0.00	0.003	O	|	|	|	|	0.00
294.167	0.00	0.00	0.003	O	|	|	|	|	0.00
294.250	0.00	0.00	0.003	O	|	|	|	|	0.00
294.333	0.00	0.00	0.003	O	|	|	|	|	0.00
294.417	0.00	0.00	0.003	O	|	|	|	|	0.00
294.500	0.00	0.00	0.003	O	|	|	|	|	0.00
294.583	0.00	0.00	0.003	O	|	|	|	|	0.00
294.667	0.00	0.00	0.003	O	|	|	|	|	0.00
294.750	0.00	0.00	0.003	O	|	|	|	|	0.00
294.833	0.00	0.00	0.003	O	|	|	|	|	0.00
294.917	0.00	0.00	0.003	O	|	|	|	|	0.00
295.000	0.00	0.00	0.003	O	|	|	|	|	0.00
295.083	0.00	0.00	0.003	O	|	|	|	|	0.00
295.167	0.00	0.00	0.003	O	|	|	|	|	0.00
295.250	0.00	0.00	0.003	O	|	|	|	|	0.00
295.333	0.00	0.00	0.003	O	|	|	|	|	0.00
295.417	0.00	0.00	0.003	O	|	|	|	|	0.00
295.500	0.00	0.00	0.003	O	|	|	|	|	0.00
295.583	0.00	0.00	0.003	O	|	|	|	|	0.00
295.667	0.00	0.00	0.003	O	|	|	|	|	0.00
295.750	0.00	0.00	0.003	O	|	|	|	|	0.00
295.833	0.00	0.00	0.003	O	|	|	|	|	0.00
295.917	0.00	0.00	0.003	O	|	|	|	|	0.00
296.000	0.00	0.00	0.003	O	|	|	|	|	0.00

296.083	0.00	0.00	0.003	O	|	|	|	|	0.00
296.167	0.00	0.00	0.003	O	|	|	|	|	0.00
296.250	0.00	0.00	0.003	O	|	|	|	|	0.00
296.333	0.00	0.00	0.003	O	|	|	|	|	0.00
296.417	0.00	0.00	0.003	O	|	|	|	|	0.00
296.500	0.00	0.00	0.003	O	|	|	|	|	0.00
296.583	0.00	0.00	0.003	O	|	|	|	|	0.00
296.667	0.00	0.00	0.003	O	|	|	|	|	0.00
296.750	0.00	0.00	0.003	O	|	|	|	|	0.00
296.833	0.00	0.00	0.003	O	|	|	|	|	0.00
296.917	0.00	0.00	0.003	O	|	|	|	|	0.00
297.000	0.00	0.00	0.003	O	|	|	|	|	0.00
297.083	0.00	0.00	0.003	O	|	|	|	|	0.00
297.167	0.00	0.00	0.003	O	|	|	|	|	0.00
297.250	0.00	0.00	0.003	O	|	|	|	|	0.00
297.333	0.00	0.00	0.003	O	|	|	|	|	0.00
297.417	0.00	0.00	0.003	O	|	|	|	|	0.00
297.500	0.00	0.00	0.003	O	|	|	|	|	0.00
297.583	0.00	0.00	0.003	O	|	|	|	|	0.00
297.667	0.00	0.00	0.003	O	|	|	|	|	0.00
297.750	0.00	0.00	0.003	O	|	|	|	|	0.00
297.833	0.00	0.00	0.003	O	|	|	|	|	0.00
297.917	0.00	0.00	0.003	O	|	|	|	|	0.00
298.000	0.00	0.00	0.003	O	|	|	|	|	0.00
298.083	0.00	0.00	0.003	O	|	|	|	|	0.00
298.167	0.00	0.00	0.003	O	|	|	|	|	0.00
298.250	0.00	0.00	0.003	O	|	|	|	|	0.00
298.333	0.00	0.00	0.003	O	|	|	|	|	0.00
298.417	0.00	0.00	0.003	O	|	|	|	|	0.00
298.500	0.00	0.00	0.003	O	|	|	|	|	0.00
298.583	0.00	0.00	0.003	O	|	|	|	|	0.00
298.667	0.00	0.00	0.003	O	|	|	|	|	0.00
298.750	0.00	0.00	0.003	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 3585
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.414 (CFS)
Total volume = 7.774 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/20/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRH3100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 43
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 127.164 (CFS)
Total volume = 11.085 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN H- ROUTING
100YR-3HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 43
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.450	0.470	1.448	1.452
2.000	3.000	0.710	2.998	3.002
3.000	4.660	1.690	4.654	4.666
4.000	6.440	2.170	6.433	6.447
5.000	8.330	2.560	8.321	8.339
6.000	10.330	2.890	10.320	10.340
7.000	12.460	3.190	12.449	12.471
8.000	14.710	3.460	14.698	14.722
9.000	17.150	83.630	16.862	17.438

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 31.8 63.58 95.37 127.16	Depth (Ft.)
0.083	3.83	0.00	0.013	O | | | |	0.01

0.167	13.33	0.02	0.072	O	I	|	|	|	|	0.05
0.250	15.77	0.06	0.172	O	I	|	|	|	|	0.12
0.333	16.85	0.09	0.284	O	I	|	|	|	|	0.20
0.417	20.08	0.13	0.410	O	I	|	|	|	|	0.28
0.500	22.18	0.18	0.555	O	I	|	|	|	|	0.38
0.583	24.10	0.23	0.713	O	I	|	|	|	|	0.49
0.667	23.93	0.28	0.876	O	I	|	|	|	|	0.60
0.750	25.85	0.34	1.046	O	I	|	|	|	|	0.72
0.833	25.57	0.40	1.220	O	I	|	|	|	|	0.84
0.917	24.02	0.45	1.388	O	I	|	|	|	|	0.96
1.000	24.77	0.49	1.553	O	I	|	|	|	|	1.07
1.083	27.44	0.51	1.729	O	I	|	|	|	|	1.18
1.167	30.76	0.54	1.926	O	I	|	|	|	|	1.31
1.250	31.91	0.58	2.138	O	I	|	|	|	|	1.44
1.333	31.83	0.61	2.353	O	I	|	|	|	|	1.58
1.417	32.41	0.64	2.570	O	I	|	|	|	|	1.72
1.500	36.84	0.68	2.804	O	I	|	|	|	|	1.87
1.583	38.01	0.74	3.057	O	I	|	|	|	|	2.03
1.667	37.54	0.89	3.312	O	I	|	|	|	|	2.19
1.750	41.58	1.05	3.577	O	I	|	|	|	|	2.35
1.833	46.79	1.23	3.874	O	I	|	|	|	|	2.53
1.917	46.08	1.41	4.184	O	I	|	|	|	|	2.71
2.000	44.93	1.59	4.488	O	I	|	|	|	|	2.90
2.083	45.89	1.72	4.789	O	I	|	|	|	|	3.07
2.167	51.27	1.81	5.111	O	I	|	|	|	|	3.25
2.250	65.36	1.92	5.500	O	I	|	|	|	|	3.47
2.333	70.80	2.04	5.955	O	I	|	|	|	|	3.73
2.417	73.18	2.17	6.437	O	I	|	|	|	|	4.00
2.500	104.20	2.29	7.032	O	I	|	|	|	|	4.31
2.583	121.74	2.45	7.794	O	I	|	|	|	|	4.72
2.667	127.16	2.61	8.633	O	I	|	|	|	|	5.15
2.750	96.59	2.73	9.385	O	I	|	|	|	|	5.53
2.833	56.59	2.82	9.894	O	I	|	|	|	|	5.78
2.917	42.19	2.87	10.214	O	I	|	|	|	|	5.94
3.000	32.84	2.91	10.453	O	I	|	|	|	|	6.06
3.083	18.50	2.93	10.610	O	I	|	|	|	|	6.13
3.167	8.90	2.94	10.684	O	I	|	|	|	|	6.17
3.250	4.36	**2.94**	**10.709**	**OI**		|	|	|	|	**6.18**
3.333	1.90	2.94	10.710	O		|	|	|	|	6.18
3.417	1.05	2.94	10.700	O		|	|	|	|	6.17
3.500	0.54	2.94	10.685	O		|	|	|	|	6.17
3.583	0.13	2.94	10.668	O		|	|	|	|	6.16
3.667	0.00	2.93	10.648	O		|	|	|	|	6.15
3.750	0.00	2.93	10.628	O		|	|	|	|	6.14
3.833	0.00	2.93	10.607	O		|	|	|	|	6.13
3.917	0.00	2.93	10.587	O		|	|	|	|	6.12
4.000	0.00	2.92	10.567	O		|	|	|	|	6.11
4.083	0.00	2.92	10.547	O		|	|	|	|	6.10
4.167	0.00	2.92	10.527	O		|	|	|	|	6.09
4.250	0.00	2.91	10.507	O		|	|	|	|	6.08
4.333	0.00	2.91	10.487	O		|	|	|	|	6.07
4.417	0.00	2.91	10.467	O		|	|	|	|	6.06
4.500	0.00	2.91	10.447	O		|	|	|	|	6.05
4.583	0.00	2.90	10.427	O		|	|	|	|	6.05
4.667	0.00	2.90	10.407	O		|	|	|	|	6.04
4.750	0.00	2.90	10.387	O		|	|	|	|	6.03
4.833	0.00	2.90	10.367	O		|	|	|	|	6.02
4.917	0.00	2.89	10.347	O		|	|	|	|	6.01
5.000	0.00	2.89	10.327	O		|	|	|	|	6.00
5.083	0.00	2.89	10.307	O		|	|	|	|	5.99
5.167	0.00	2.88	10.287	O		|	|	|	|	5.98
5.250	0.00	2.88	10.267	O		|	|	|	|	5.97
5.333	0.00	2.88	10.247	O		|	|	|	|	5.96
5.417	0.00	2.87	10.228	O		|	|	|	|	5.95
5.500	0.00	2.87	10.208	O		|	|	|	|	5.94
5.583	0.00	2.87	10.188	O		|	|	|	|	5.93
5.667	0.00	2.86	10.168	O		|	|	|	|	5.92

5.750	0.00	2.86	10.149	O	|	|	|	| 5.91
5.833	0.00	2.86	10.129	O	|	|	|	| 5.90
5.917	0.00	2.85	10.109	O	|	|	|	| 5.89
6.000	0.00	2.85	10.090	O	|	|	|	| 5.88
6.083	0.00	2.85	10.070	O	|	|	|	| 5.87
6.167	0.00	2.84	10.050	O	|	|	|	| 5.86
6.250	0.00	2.84	10.031	O	|	|	|	| 5.85
6.333	0.00	2.84	10.011	O	|	|	|	| 5.84
6.417	0.00	2.83	9.992	O	|	|	|	| 5.83
6.500	0.00	2.83	9.972	O	|	|	|	| 5.82
6.583	0.00	2.83	9.953	O	|	|	|	| 5.81
6.667	0.00	2.82	9.933	O	|	|	|	| 5.80
6.750	0.00	2.82	9.914	O	|	|	|	| 5.79
6.833	0.00	2.82	9.894	O	|	|	|	| 5.78
6.917	0.00	2.81	9.875	O	|	|	|	| 5.77
7.000	0.00	2.81	9.856	O	|	|	|	| 5.76
7.083	0.00	2.81	9.836	O	|	|	|	| 5.75
7.167	0.00	2.81	9.817	O	|	|	|	| 5.74
7.250	0.00	2.80	9.798	O	|	|	|	| 5.73
7.333	0.00	2.80	9.778	O	|	|	|	| 5.72
7.417	0.00	2.80	9.759	O	|	|	|	| 5.71
7.500	0.00	2.79	9.740	O	|	|	|	| 5.70
7.583	0.00	2.79	9.721	O	|	|	|	| 5.70
7.667	0.00	2.79	9.701	O	|	|	|	| 5.69
7.750	0.00	2.78	9.682	O	|	|	|	| 5.68
7.833	0.00	2.78	9.663	O	|	|	|	| 5.67
7.917	0.00	2.78	9.644	O	|	|	|	| 5.66
8.000	0.00	2.77	9.625	O	|	|	|	| 5.65
8.083	0.00	2.77	9.606	O	|	|	|	| 5.64
8.167	0.00	2.77	9.587	O	|	|	|	| 5.63
8.250	0.00	2.76	9.568	O	|	|	|	| 5.62
8.333	0.00	2.76	9.549	O	|	|	|	| 5.61
8.417	0.00	2.76	9.530	O	|	|	|	| 5.60
8.500	0.00	2.75	9.511	O	|	|	|	| 5.59
8.583	0.00	2.75	9.492	O	|	|	|	| 5.58
8.667	0.00	2.75	9.473	O	|	|	|	| 5.57
8.750	0.00	2.75	9.454	O	|	|	|	| 5.56
8.833	0.00	2.74	9.435	O	|	|	|	| 5.55
8.917	0.00	2.74	9.416	O	|	|	|	| 5.54
9.000	0.00	2.74	9.397	O	|	|	|	| 5.53
9.083	0.00	2.73	9.378	O	|	|	|	| 5.52
9.167	0.00	2.73	9.360	O	|	|	|	| 5.51
9.250	0.00	2.73	9.341	O	|	|	|	| 5.51
9.333	0.00	2.72	9.322	O	|	|	|	| 5.50
9.417	0.00	2.72	9.303	O	|	|	|	| 5.49
9.500	0.00	2.72	9.285	O	|	|	|	| 5.48
9.583	0.00	2.71	9.266	O	|	|	|	| 5.47
9.667	0.00	2.71	9.247	O	|	|	|	| 5.46
9.750	0.00	2.71	9.229	O	|	|	|	| 5.45
9.833	0.00	2.71	9.210	O	|	|	|	| 5.44
9.917	0.00	2.70	9.191	O	|	|	|	| 5.43
10.000	0.00	2.70	9.173	O	|	|	|	| 5.42
10.083	0.00	2.70	9.154	O	|	|	|	| 5.41
10.167	0.00	2.69	9.136	O	|	|	|	| 5.40
10.250	0.00	2.69	9.117	O	|	|	|	| 5.39
10.333	0.00	2.69	9.098	O	|	|	|	| 5.38
10.417	0.00	2.68	9.080	O	|	|	|	| 5.37
10.500	0.00	2.68	9.062	O	|	|	|	| 5.37
10.583	0.00	2.68	9.043	O	|	|	|	| 5.36
10.667	0.00	2.67	9.025	O	|	|	|	| 5.35
10.750	0.00	2.67	9.006	O	|	|	|	| 5.34
10.833	0.00	2.67	8.988	O	|	|	|	| 5.33
10.917	0.00	2.67	8.969	O	|	|	|	| 5.32
11.000	0.00	2.66	8.951	O	|	|	|	| 5.31
11.083	0.00	2.66	8.933	O	|	|	|	| 5.30
11.167	0.00	2.66	8.914	O	|	|	|	| 5.29
11.250	0.00	2.65	8.896	O	|	|	|	| 5.28

11.333	0.00	2.65	8.878	O	|	|	|	5.27
11.417	0.00	2.65	8.860	O	|	|	|	5.26
11.500	0.00	2.64	8.841	O	|	|	|	5.26
11.583	0.00	2.64	8.823	O	|	|	|	5.25
11.667	0.00	2.64	8.805	O	|	|	|	5.24
11.750	0.00	2.64	8.787	O	|	|	|	5.23
11.833	0.00	2.63	8.769	O	|	|	|	5.22
11.917	0.00	2.63	8.751	O	|	|	|	5.21
12.000	0.00	2.63	8.733	O	|	|	|	5.20
12.083	0.00	2.62	8.714	O	|	|	|	5.19
12.167	0.00	2.62	8.696	O	|	|	|	5.18
12.250	0.00	2.62	8.678	O	|	|	|	5.17
12.333	0.00	2.61	8.660	O	|	|	|	5.17
12.417	0.00	2.61	8.642	O	|	|	|	5.16
12.500	0.00	2.61	8.624	O	|	|	|	5.15
12.583	0.00	2.61	8.606	O	|	|	|	5.14
12.667	0.00	2.60	8.589	O	|	|	|	5.13
12.750	0.00	2.60	8.571	O	|	|	|	5.12
12.833	0.00	2.60	8.553	O	|	|	|	5.11
12.917	0.00	2.59	8.535	O	|	|	|	5.10
13.000	0.00	2.59	8.517	O	|	|	|	5.09
13.083	0.00	2.59	8.499	O	|	|	|	5.08
13.167	0.00	2.58	8.481	O	|	|	|	5.08
13.250	0.00	2.58	8.464	O	|	|	|	5.07
13.333	0.00	2.58	8.446	O	|	|	|	5.06
13.417	0.00	2.58	8.428	O	|	|	|	5.05
13.500	0.00	2.57	8.410	O	|	|	|	5.04
13.583	0.00	2.57	8.393	O	|	|	|	5.03
13.667	0.00	2.57	8.375	O	|	|	|	5.02
13.750	0.00	2.56	8.357	O	|	|	|	5.01
13.833	0.00	2.56	8.340	O	|	|	|	5.00
13.917	0.00	2.56	8.322	O	|	|	|	5.00
14.000	0.00	2.55	8.304	O	|	|	|	4.99
14.083	0.00	2.55	8.287	O	|	|	|	4.98
14.167	0.00	2.55	8.269	O	|	|	|	4.97
14.250	0.00	2.54	8.252	O	|	|	|	4.96
14.333	0.00	2.54	8.234	O	|	|	|	4.95
14.417	0.00	2.54	8.217	O	|	|	|	4.94
14.500	0.00	2.53	8.199	O	|	|	|	4.93
14.583	0.00	2.53	8.182	O	|	|	|	4.92
14.667	0.00	2.53	8.164	O	|	|	|	4.91
14.750	0.00	2.52	8.147	O	|	|	|	4.90
14.833	0.00	2.52	8.130	O	|	|	|	4.89
14.917	0.00	2.52	8.112	O	|	|	|	4.88
15.000	0.00	2.51	8.095	O	|	|	|	4.88
15.083	0.00	2.51	8.078	O	|	|	|	4.87
15.167	0.00	2.50	8.060	O	|	|	|	4.86
15.250	0.00	2.50	8.043	O	|	|	|	4.85
15.333	0.00	2.50	8.026	O	|	|	|	4.84
15.417	0.00	2.49	8.009	O	|	|	|	4.83
15.500	0.00	2.49	7.992	O	|	|	|	4.82
15.583	0.00	2.49	7.974	O	|	|	|	4.81
15.667	0.00	2.48	7.957	O	|	|	|	4.80
15.750	0.00	2.48	7.940	O	|	|	|	4.79
15.833	0.00	2.48	7.923	O	|	|	|	4.78
15.917	0.00	2.47	7.906	O	|	|	|	4.78
16.000	0.00	2.47	7.889	O	|	|	|	4.77
16.083	0.00	2.47	7.872	O	|	|	|	4.76
16.167	0.00	2.46	7.855	O	|	|	|	4.75
16.250	0.00	2.46	7.838	O	|	|	|	4.74
16.333	0.00	2.46	7.821	O	|	|	|	4.73
16.417	0.00	2.45	7.804	O	|	|	|	4.72
16.500	0.00	2.45	7.788	O	|	|	|	4.71
16.583	0.00	2.44	7.771	O	|	|	|	4.70
16.667	0.00	2.44	7.754	O	|	|	|	4.70
16.750	0.00	2.44	7.737	O	|	|	|	4.69
16.833	0.00	2.43	7.720	O	|	|	|	4.68

16.917	0.00	2.43	7.704	O	|	|	|	4.67
17.000	0.00	2.43	7.687	O	|	|	|	4.66
17.083	0.00	2.42	7.670	O	|	|	|	4.65
17.167	0.00	2.42	7.653	O	|	|	|	4.64
17.250	0.00	2.42	7.637	O	|	|	|	4.63
17.333	0.00	2.41	7.620	O	|	|	|	4.62
17.417	0.00	2.41	7.604	O	|	|	|	4.62
17.500	0.00	2.41	7.587	O	|	|	|	4.61
17.583	0.00	2.40	7.570	O	|	|	|	4.60
17.667	0.00	2.40	7.554	O	|	|	|	4.59
17.750	0.00	2.40	7.537	O	|	|	|	4.58
17.833	0.00	2.39	7.521	O	|	|	|	4.57
17.917	0.00	2.39	7.504	O	|	|	|	4.56
18.000	0.00	2.39	7.488	O	|	|	|	4.55
18.083	0.00	2.38	7.472	O	|	|	|	4.55
18.167	0.00	2.38	7.455	O	|	|	|	4.54
18.250	0.00	2.38	7.439	O	|	|	|	4.53
18.333	0.00	2.37	7.422	O	|	|	|	4.52
18.417	0.00	2.37	7.406	O	|	|	|	4.51
18.500	0.00	2.37	7.390	O	|	|	|	4.50
18.583	0.00	2.36	7.373	O	|	|	|	4.49
18.667	0.00	2.36	7.357	O	|	|	|	4.49
18.750	0.00	2.36	7.341	O	|	|	|	4.48
18.833	0.00	2.35	7.325	O	|	|	|	4.47
18.917	0.00	2.35	7.309	O	|	|	|	4.46
19.000	0.00	2.35	7.292	O	|	|	|	4.45
19.083	0.00	2.34	7.276	O	|	|	|	4.44
19.167	0.00	2.34	7.260	O	|	|	|	4.43
19.250	0.00	2.34	7.244	O	|	|	|	4.43
19.333	0.00	2.33	7.228	O	|	|	|	4.42
19.417	0.00	2.33	7.212	O	|	|	|	4.41
19.500	0.00	2.33	7.196	O	|	|	|	4.40
19.583	0.00	2.32	7.180	O	|	|	|	4.39
19.667	0.00	2.32	7.164	O	|	|	|	4.38
19.750	0.00	2.32	7.148	O	|	|	|	4.37
19.833	0.00	2.31	7.132	O	|	|	|	4.37
19.917	0.00	2.31	7.116	O	|	|	|	4.36
20.000	0.00	2.31	7.100	O	|	|	|	4.35
20.083	0.00	2.30	7.084	O	|	|	|	4.34
20.167	0.00	2.30	7.068	O	|	|	|	4.33
20.250	0.00	2.30	7.053	O	|	|	|	4.32
20.333	0.00	2.29	7.037	O	|	|	|	4.32
20.417	0.00	2.29	7.021	O	|	|	|	4.31
20.500	0.00	2.29	7.005	O	|	|	|	4.30
20.583	0.00	2.28	6.990	O	|	|	|	4.29
20.667	0.00	2.28	6.974	O	|	|	|	4.28
20.750	0.00	2.28	6.958	O	|	|	|	4.27
20.833	0.00	2.27	6.942	O	|	|	|	4.27
20.917	0.00	2.27	6.927	O	|	|	|	4.26
21.000	0.00	2.27	6.911	O	|	|	|	4.25
21.083	0.00	2.26	6.896	O	|	|	|	4.24
21.167	0.00	2.26	6.880	O	|	|	|	4.23
21.250	0.00	2.26	6.864	O	|	|	|	4.22
21.333	0.00	2.25	6.849	O	|	|	|	4.22
21.417	0.00	2.25	6.833	O	|	|	|	4.21
21.500	0.00	2.25	6.818	O	|	|	|	4.20
21.583	0.00	2.24	6.802	O	|	|	|	4.19
21.667	0.00	2.24	6.787	O	|	|	|	4.18
21.750	0.00	2.24	6.772	O	|	|	|	4.18
21.833	0.00	2.24	6.756	O	|	|	|	4.17
21.917	0.00	2.23	6.741	O	|	|	|	4.16
22.000	0.00	2.23	6.725	O	|	|	|	4.15
22.083	0.00	2.23	6.710	O	|	|	|	4.14
22.167	0.00	2.22	6.695	O	|	|	|	4.13
22.250	0.00	2.22	6.679	O	|	|	|	4.13
22.333	0.00	2.22	6.664	O	|	|	|	4.12
22.417	0.00	2.21	6.649	O	|	|	|	4.11

22.500	0.00	2.21	6.634	O	|	|	|	|	4.10
22.583	0.00	2.21	6.618	O	|	|	|	|	4.09
22.667	0.00	2.20	6.603	O	|	|	|	|	4.09
22.750	0.00	2.20	6.588	O	|	|	|	|	4.08
22.833	0.00	2.20	6.573	O	|	|	|	|	4.07
22.917	0.00	2.19	6.558	O	|	|	|	|	4.06
23.000	0.00	2.19	6.543	O	|	|	|	|	4.05
23.083	0.00	2.19	6.528	O	|	|	|	|	4.05
23.167	0.00	2.18	6.513	O	|	|	|	|	4.04
23.250	0.00	2.18	6.498	O	|	|	|	|	4.03
23.333	0.00	2.18	6.483	O	|	|	|	|	4.02
23.417	0.00	2.18	6.468	O	|	|	|	|	4.01
23.500	0.00	2.17	6.453	O	|	|	|	|	4.01
23.583	0.00	2.17	6.438	O	|	|	|	|	4.00
23.667	0.00	2.17	6.423	O	|	|	|	|	3.99
23.750	0.00	2.16	6.408	O	|	|	|	|	3.98
23.833	0.00	2.16	6.393	O	|	|	|	|	3.97
23.917	0.00	2.15	6.378	O	|	|	|	|	3.97
24.000	0.00	2.15	6.363	O	|	|	|	|	3.96
24.083	0.00	2.15	6.349	O	|	|	|	|	3.95
24.167	0.00	2.14	6.334	O	|	|	|	|	3.94
24.250	0.00	2.14	6.319	O	|	|	|	|	3.93
24.333	0.00	2.13	6.304	O	|	|	|	|	3.92
24.417	0.00	2.13	6.290	O	|	|	|	|	3.92
24.500	0.00	2.13	6.275	O	|	|	|	|	3.91
24.583	0.00	2.12	6.260	O	|	|	|	|	3.90
24.667	0.00	2.12	6.246	O	|	|	|	|	3.89
24.750	0.00	2.11	6.231	O	|	|	|	|	3.88
24.833	0.00	2.11	6.217	O	|	|	|	|	3.87
24.917	0.00	2.11	6.202	O	|	|	|	|	3.87
25.000	0.00	2.10	6.188	O	|	|	|	|	3.86
25.083	0.00	2.10	6.173	O	|	|	|	|	3.85
25.167	0.00	2.09	6.159	O	|	|	|	|	3.84
25.250	0.00	2.09	6.144	O	|	|	|	|	3.83
25.333	0.00	2.09	6.130	O	|	|	|	|	3.83
25.417	0.00	2.08	6.116	O	|	|	|	|	3.82
25.500	0.00	2.08	6.101	O	|	|	|	|	3.81
25.583	0.00	2.07	6.087	O	|	|	|	|	3.80
25.667	0.00	2.07	6.073	O	|	|	|	|	3.79
25.750	0.00	2.07	6.058	O	|	|	|	|	3.79
25.833	0.00	2.06	6.044	O	|	|	|	|	3.78
25.917	0.00	2.06	6.030	O	|	|	|	|	3.77
26.000	0.00	2.06	6.016	O	|	|	|	|	3.76
26.083	0.00	2.05	6.002	O	|	|	|	|	3.75
26.167	0.00	2.05	5.988	O	|	|	|	|	3.75
26.250	0.00	2.04	5.973	O	|	|	|	|	3.74
26.333	0.00	2.04	5.959	O	|	|	|	|	3.73
26.417	0.00	2.04	5.945	O	|	|	|	|	3.72
26.500	0.00	2.03	5.931	O	|	|	|	|	3.71
26.583	0.00	2.03	5.917	O	|	|	|	|	3.71
26.667	0.00	2.03	5.903	O	|	|	|	|	3.70
26.750	0.00	2.02	5.889	O	|	|	|	|	3.69
26.833	0.00	2.02	5.876	O	|	|	|	|	3.68
26.917	0.00	2.01	5.862	O	|	|	|	|	3.68
27.000	0.00	2.01	5.848	O	|	|	|	|	3.67
27.083	0.00	2.01	5.834	O	|	|	|	|	3.66
27.167	0.00	2.00	5.820	O	|	|	|	|	3.65
27.250	0.00	2.00	5.806	O	|	|	|	|	3.64
27.333	0.00	2.00	5.793	O	|	|	|	|	3.64
27.417	0.00	1.99	5.779	O	|	|	|	|	3.63
27.500	0.00	1.99	5.765	O	|	|	|	|	3.62
27.583	0.00	1.98	5.752	O	|	|	|	|	3.61
27.667	0.00	1.98	5.738	O	|	|	|	|	3.61
27.750	0.00	1.98	5.724	O	|	|	|	|	3.60
27.833	0.00	1.97	5.711	O	|	|	|	|	3.59
27.917	0.00	1.97	5.697	O	|	|	|	|	3.58
28.000	0.00	1.97	5.684	O	|	|	|	|	3.58

28.083	0.00	1.96	5.670	O	|	|	|	|	3.57
28.167	0.00	1.96	5.656	O	|	|	|	|	3.56
28.250	0.00	1.96	5.643	O	|	|	|	|	3.55
28.333	0.00	1.95	5.630	O	|	|	|	|	3.54
28.417	0.00	1.95	5.616	O	|	|	|	|	3.54
28.500	0.00	1.94	5.603	O	|	|	|	|	3.53
28.583	0.00	1.94	5.589	O	|	|	|	|	3.52
28.667	0.00	1.94	5.576	O	|	|	|	|	3.51
28.750	0.00	1.93	5.563	O	|	|	|	|	3.51
28.833	0.00	1.93	5.549	O	|	|	|	|	3.50
28.917	0.00	1.93	5.536	O	|	|	|	|	3.49
29.000	0.00	1.92	5.523	O	|	|	|	|	3.48
29.083	0.00	1.92	5.510	O	|	|	|	|	3.48
29.167	0.00	1.92	5.496	O	|	|	|	|	3.47
29.250	0.00	1.91	5.483	O	|	|	|	|	3.46
29.333	0.00	1.91	5.470	O	|	|	|	|	3.46
29.417	0.00	1.90	5.457	O	|	|	|	|	3.45
29.500	0.00	1.90	5.444	O	|	|	|	|	3.44
29.583	0.00	1.90	5.431	O	|	|	|	|	3.43
29.667	0.00	1.89	5.418	O	|	|	|	|	3.43
29.750	0.00	1.89	5.405	O	|	|	|	|	3.42
29.833	0.00	1.89	5.392	O	|	|	|	|	3.41
29.917	0.00	1.88	5.379	O	|	|	|	|	3.40
30.000	0.00	1.88	5.366	O	|	|	|	|	3.40
30.083	0.00	1.88	5.353	O	|	|	|	|	3.39
30.167	0.00	1.87	5.340	O	|	|	|	|	3.38
30.250	0.00	1.87	5.327	O	|	|	|	|	3.37
30.333	0.00	1.87	5.314	O	|	|	|	|	3.37
30.417	0.00	1.86	5.301	O	|	|	|	|	3.36
30.500	0.00	1.86	5.288	O	|	|	|	|	3.35
30.583	0.00	1.86	5.276	O	|	|	|	|	3.35
30.667	0.00	1.85	5.263	O	|	|	|	|	3.34
30.750	0.00	1.85	5.250	O	|	|	|	|	3.33
30.833	0.00	1.85	5.237	O	|	|	|	|	3.32
30.917	0.00	1.84	5.225	O	|	|	|	|	3.32
31.000	0.00	1.84	5.212	O	|	|	|	|	3.31
31.083	0.00	1.84	5.199	O	|	|	|	|	3.30
31.167	0.00	1.83	5.187	O	|	|	|	|	3.30
31.250	0.00	1.83	5.174	O	|	|	|	|	3.29
31.333	0.00	1.83	5.162	O	|	|	|	|	3.28
31.417	0.00	1.82	5.149	O	|	|	|	|	3.27
31.500	0.00	1.82	5.136	O	|	|	|	|	3.27
31.583	0.00	1.82	5.124	O	|	|	|	|	3.26
31.667	0.00	1.81	5.111	O	|	|	|	|	3.25
31.750	0.00	1.81	5.099	O	|	|	|	|	3.25
31.833	0.00	1.81	5.087	O	|	|	|	|	3.24
31.917	0.00	1.80	5.074	O	|	|	|	|	3.23
32.000	0.00	1.80	5.062	O	|	|	|	|	3.23
32.083	0.00	1.79	5.049	O	|	|	|	|	3.22
32.167	0.00	1.79	5.037	O	|	|	|	|	3.21
32.250	0.00	1.79	5.025	O	|	|	|	|	3.20
32.333	0.00	1.79	5.012	O	|	|	|	|	3.20
32.417	0.00	1.78	5.000	O	|	|	|	|	3.19
32.500	0.00	1.78	4.988	O	|	|	|	|	3.18
32.583	0.00	1.78	4.976	O	|	|	|	|	3.18
32.667	0.00	1.77	4.963	O	|	|	|	|	3.17
32.750	0.00	1.77	4.951	O	|	|	|	|	3.16
32.833	0.00	1.77	4.939	O	|	|	|	|	3.16
32.917	0.00	1.76	4.927	O	|	|	|	|	3.15
33.000	0.00	1.76	4.915	O	|	|	|	|	3.14
33.083	0.00	1.76	4.903	O	|	|	|	|	3.14
33.167	0.00	1.75	4.891	O	|	|	|	|	3.13
33.250	0.00	1.75	4.879	O	|	|	|	|	3.12
33.333	0.00	1.75	4.866	O	|	|	|	|	3.12
33.417	0.00	1.74	4.854	O	|	|	|	|	3.11
33.500	0.00	1.74	4.842	O	|	|	|	|	3.10
33.583	0.00	1.74	4.831	O	|	|	|	|	3.10

33.667	0.00	1.73	4.819	O	|	|	|	|	3.09
33.750	0.00	1.73	4.807	O	|	|	|	|	3.08
33.833	0.00	1.73	4.795	O	|	|	|	|	3.08
33.917	0.00	1.72	4.783	O	|	|	|	|	3.07
34.000	0.00	1.72	4.771	O	|	|	|	|	3.06
34.083	0.00	1.72	4.759	O	|	|	|	|	3.06
34.167	0.00	1.71	4.747	O	|	|	|	|	3.05
34.250	0.00	1.71	4.736	O	|	|	|	|	3.04
34.333	0.00	1.71	4.724	O	|	|	|	|	3.04
34.417	0.00	1.70	4.712	O	|	|	|	|	3.03
34.500	0.00	1.70	4.700	O	|	|	|	|	3.02
34.583	0.00	1.70	4.689	O	|	|	|	|	3.02
34.667	0.00	1.69	4.677	O	|	|	|	|	3.01
34.750	0.00	1.69	4.665	O	|	|	|	|	3.00
34.833	0.00	1.69	4.654	O	|	|	|	|	3.00
34.917	0.00	1.68	4.642	O	|	|	|	|	2.99
35.000	0.00	1.67	4.631	O	|	|	|	|	2.98
35.083	0.00	1.67	4.619	O	|	|	|	|	2.98
35.167	0.00	1.66	4.608	O	|	|	|	|	2.97
35.250	0.00	1.65	4.596	O	|	|	|	|	2.96
35.333	0.00	1.65	4.585	O	|	|	|	|	2.95
35.417	0.00	1.64	4.574	O	|	|	|	|	2.95
35.500	0.00	1.63	4.562	O	|	|	|	|	2.94
35.583	0.00	1.63	4.551	O	|	|	|	|	2.93
35.667	0.00	1.62	4.540	O	|	|	|	|	2.93
35.750	0.00	1.61	4.529	O	|	|	|	|	2.92
35.833	0.00	1.61	4.518	O	|	|	|	|	2.91
35.917	0.00	1.60	4.507	O	|	|	|	|	2.91
36.000	0.00	1.59	4.496	O	|	|	|	|	2.90
36.083	0.00	1.59	4.485	O	|	|	|	|	2.89
36.167	0.00	1.58	4.474	O	|	|	|	|	2.89
36.250	0.00	1.57	4.463	O	|	|	|	|	2.88
36.333	0.00	1.57	4.452	O	|	|	|	|	2.87
36.417	0.00	1.56	4.441	O	|	|	|	|	2.87
36.500	0.00	1.55	4.431	O	|	|	|	|	2.86
36.583	0.00	1.55	4.420	O	|	|	|	|	2.86
36.667	0.00	1.54	4.409	O	|	|	|	|	2.85
36.750	0.00	1.54	4.399	O	|	|	|	|	2.84
36.833	0.00	1.53	4.388	O	|	|	|	|	2.84
36.917	0.00	1.52	4.378	O	|	|	|	|	2.83
37.000	0.00	1.52	4.367	O	|	|	|	|	2.82
37.083	0.00	1.51	4.357	O	|	|	|	|	2.82
37.167	0.00	1.50	4.346	O	|	|	|	|	2.81
37.250	0.00	1.50	4.336	O	|	|	|	|	2.80
37.333	0.00	1.49	4.326	O	|	|	|	|	2.80
37.417	0.00	1.49	4.315	O	|	|	|	|	2.79
37.500	0.00	1.48	4.305	O	|	|	|	|	2.79
37.583	0.00	1.47	4.295	O	|	|	|	|	2.78
37.667	0.00	1.47	4.285	O	|	|	|	|	2.77
37.750	0.00	1.46	4.275	O	|	|	|	|	2.77
37.833	0.00	1.46	4.265	O	|	|	|	|	2.76
37.917	0.00	1.45	4.255	O	|	|	|	|	2.76
38.000	0.00	1.44	4.245	O	|	|	|	|	2.75
38.083	0.00	1.44	4.235	O	|	|	|	|	2.74
38.167	0.00	1.43	4.225	O	|	|	|	|	2.74
38.250	0.00	1.43	4.215	O	|	|	|	|	2.73
38.333	0.00	1.42	4.205	O	|	|	|	|	2.73
38.417	0.00	1.42	4.196	O	|	|	|	|	2.72
38.500	0.00	1.41	4.186	O	|	|	|	|	2.71
38.583	0.00	1.40	4.176	O	|	|	|	|	2.71
38.667	0.00	1.40	4.166	O	|	|	|	|	2.70
38.750	0.00	1.39	4.157	O	|	|	|	|	2.70
38.833	0.00	1.39	4.147	O	|	|	|	|	2.69
38.917	0.00	1.38	4.138	O	|	|	|	|	2.69
39.000	0.00	1.38	4.128	O	|	|	|	|	2.68
39.083	0.00	1.37	4.119	O	|	|	|	|	2.67
39.167	0.00	1.36	4.109	O	|	|	|	|	2.67

39.250	0.00	1.36	4.100	O	|	|	|	|	2.66
39.333	0.00	1.35	4.091	O	|	|	|	|	2.66
39.417	0.00	1.35	4.081	O	|	|	|	|	2.65
39.500	0.00	1.34	4.072	O	|	|	|	|	2.65
39.583	0.00	1.34	4.063	O	|	|	|	|	2.64
39.667	0.00	1.33	4.054	O	|	|	|	|	2.63
39.750	0.00	1.33	4.044	O	|	|	|	|	2.63
39.833	0.00	1.32	4.035	O	|	|	|	|	2.62
39.917	0.00	1.32	4.026	O	|	|	|	|	2.62
40.000	0.00	1.31	4.017	O	|	|	|	|	2.61
40.083	0.00	1.31	4.008	O	|	|	|	|	2.61
40.167	0.00	1.30	3.999	O	|	|	|	|	2.60
40.250	0.00	1.29	3.990	O	|	|	|	|	2.60
40.333	0.00	1.29	3.981	O	|	|	|	|	2.59
40.417	0.00	1.28	3.973	O	|	|	|	|	2.59
40.500	0.00	1.28	3.964	O	|	|	|	|	2.58
40.583	0.00	1.27	3.955	O	|	|	|	|	2.58
40.667	0.00	1.27	3.946	O	|	|	|	|	2.57
40.750	0.00	1.26	3.937	O	|	|	|	|	2.56
40.833	0.00	1.26	3.929	O	|	|	|	|	2.56
40.917	0.00	1.25	3.920	O	|	|	|	|	2.55
41.000	0.00	1.25	3.912	O	|	|	|	|	2.55
41.083	0.00	1.24	3.903	O	|	|	|	|	2.54
41.167	0.00	1.24	3.894	O	|	|	|	|	2.54
41.250	0.00	1.23	3.886	O	|	|	|	|	2.53
41.333	0.00	1.23	3.877	O	|	|	|	|	2.53
41.417	0.00	1.22	3.869	O	|	|	|	|	2.52
41.500	0.00	1.22	3.861	O	|	|	|	|	2.52
41.583	0.00	1.21	3.852	O	|	|	|	|	2.51
41.667	0.00	1.21	3.844	O	|	|	|	|	2.51
41.750	0.00	1.20	3.836	O	|	|	|	|	2.50
41.833	0.00	1.20	3.827	O	|	|	|	|	2.50
41.917	0.00	1.19	3.819	O	|	|	|	|	2.49
42.000	0.00	1.19	3.811	O	|	|	|	|	2.49
42.083	0.00	1.18	3.803	O	|	|	|	|	2.48
42.167	0.00	1.18	3.795	O	|	|	|	|	2.48
42.250	0.00	1.17	3.786	O	|	|	|	|	2.47
42.333	0.00	1.17	3.778	O	|	|	|	|	2.47
42.417	0.00	1.16	3.770	O	|	|	|	|	2.46
42.500	0.00	1.16	3.762	O	|	|	|	|	2.46
42.583	0.00	1.16	3.754	O	|	|	|	|	2.45
42.667	0.00	1.15	3.746	O	|	|	|	|	2.45
42.750	0.00	1.15	3.738	O	|	|	|	|	2.44
42.833	0.00	1.14	3.731	O	|	|	|	|	2.44
42.917	0.00	1.14	3.723	O	|	|	|	|	2.44
43.000	0.00	1.13	3.715	O	|	|	|	|	2.43
43.083	0.00	1.13	3.707	O	|	|	|	|	2.43
43.167	0.00	1.12	3.699	O	|	|	|	|	2.42
43.250	0.00	1.12	3.692	O	|	|	|	|	2.42
43.333	0.00	1.11	3.684	O	|	|	|	|	2.41
43.417	0.00	1.11	3.676	O	|	|	|	|	2.41
43.500	0.00	1.10	3.669	O	|	|	|	|	2.40
43.583	0.00	1.10	3.661	O	|	|	|	|	2.40
43.667	0.00	1.10	3.654	O	|	|	|	|	2.39
43.750	0.00	1.09	3.646	O	|	|	|	|	2.39
43.833	0.00	1.09	3.639	O	|	|	|	|	2.38
43.917	0.00	1.08	3.631	O	|	|	|	|	2.38
44.000	0.00	1.08	3.624	O	|	|	|	|	2.38
44.083	0.00	1.07	3.616	O	|	|	|	|	2.37
44.167	0.00	1.07	3.609	O	|	|	|	|	2.37
44.250	0.00	1.07	3.601	O	|	|	|	|	2.36
44.333	0.00	1.06	3.594	O	|	|	|	|	2.36
44.417	0.00	1.06	3.587	O	|	|	|	|	2.35
44.500	0.00	1.05	3.580	O	|	|	|	|	2.35
44.583	0.00	1.05	3.572	O	|	|	|	|	2.34
44.667	0.00	1.04	3.565	O	|	|	|	|	2.34
44.750	0.00	1.04	3.558	O	|	|	|	|	2.34

44.833	0.00	1.04	3.551	O	|	|	|	|	2.33
44.917	0.00	1.03	3.544	O	|	|	|	|	2.33
45.000	0.00	1.03	3.537	O	|	|	|	|	2.32
45.083	0.00	1.02	3.530	O	|	|	|	|	2.32
45.167	0.00	1.02	3.523	O	|	|	|	|	2.31
45.250	0.00	1.01	3.516	O	|	|	|	|	2.31
45.333	0.00	1.01	3.509	O	|	|	|	|	2.31
45.417	0.00	1.01	3.502	O	|	|	|	|	2.30
45.500	0.00	1.00	3.495	O	|	|	|	|	2.30
45.583	0.00	1.00	3.488	O	|	|	|	|	2.29
45.667	0.00	0.99	3.481	O	|	|	|	|	2.29
45.750	0.00	0.99	3.474	O	|	|	|	|	2.29
45.833	0.00	0.99	3.467	O	|	|	|	|	2.28
45.917	0.00	0.98	3.461	O	|	|	|	|	2.28
46.000	0.00	0.98	3.454	O	|	|	|	|	2.27
46.083	0.00	0.97	3.447	O	|	|	|	|	2.27
46.167	0.00	0.97	3.440	O	|	|	|	|	2.27
46.250	0.00	0.97	3.434	O	|	|	|	|	2.26
46.333	0.00	0.96	3.427	O	|	|	|	|	2.26
46.417	0.00	0.96	3.421	O	|	|	|	|	2.25
46.500	0.00	0.95	3.414	O	|	|	|	|	2.25
46.583	0.00	0.95	3.407	O	|	|	|	|	2.25
46.667	0.00	0.95	3.401	O	|	|	|	|	2.24
46.750	0.00	0.94	3.394	O	|	|	|	|	2.24
46.833	0.00	0.94	3.388	O	|	|	|	|	2.23
46.917	0.00	0.94	3.381	O	|	|	|	|	2.23
47.000	0.00	0.93	3.375	O	|	|	|	|	2.23
47.083	0.00	0.93	3.369	O	|	|	|	|	2.22
47.167	0.00	0.92	3.362	O	|	|	|	|	2.22
47.250	0.00	0.92	3.356	O	|	|	|	|	2.21
47.333	0.00	0.92	3.350	O	|	|	|	|	2.21
47.417	0.00	0.91	3.343	O	|	|	|	|	2.21
47.500	0.00	0.91	3.337	O	|	|	|	|	2.20
47.583	0.00	0.91	3.331	O	|	|	|	|	2.20
47.667	0.00	0.90	3.324	O	|	|	|	|	2.20
47.750	0.00	0.90	3.318	O	|	|	|	|	2.19
47.833	0.00	0.89	3.312	O	|	|	|	|	2.19
47.917	0.00	0.89	3.306	O	|	|	|	|	2.18
48.000	0.00	0.89	3.300	O	|	|	|	|	2.18
48.083	0.00	0.88	3.294	O	|	|	|	|	2.18
48.167	0.00	0.88	3.288	O	|	|	|	|	2.17
48.250	0.00	0.88	3.282	O	|	|	|	|	2.17
48.333	0.00	0.87	3.276	O	|	|	|	|	2.17
48.417	0.00	0.87	3.270	O	|	|	|	|	2.16
48.500	0.00	0.87	3.264	O	|	|	|	|	2.16
48.583	0.00	0.86	3.258	O	|	|	|	|	2.16
48.667	0.00	0.86	3.252	O	|	|	|	|	2.15
48.750	0.00	0.86	3.246	O	|	|	|	|	2.15
48.833	0.00	0.85	3.240	O	|	|	|	|	2.14
48.917	0.00	0.85	3.234	O	|	|	|	|	2.14
49.000	0.00	0.84	3.228	O	|	|	|	|	2.14
49.083	0.00	0.84	3.222	O	|	|	|	|	2.13
49.167	0.00	0.84	3.217	O	|	|	|	|	2.13
49.250	0.00	0.83	3.211	O	|	|	|	|	2.13
49.333	0.00	0.83	3.205	O	|	|	|	|	2.12
49.417	0.00	0.83	3.199	O	|	|	|	|	2.12
49.500	0.00	0.82	3.194	O	|	|	|	|	2.12
49.583	0.00	0.82	3.188	O	|	|	|	|	2.11
49.667	0.00	0.82	3.182	O	|	|	|	|	2.11
49.750	0.00	0.81	3.177	O	|	|	|	|	2.11
49.833	0.00	0.81	3.171	O	|	|	|	|	2.10
49.917	0.00	0.81	3.166	O	|	|	|	|	2.10
50.000	0.00	0.80	3.160	O	|	|	|	|	2.10
50.083	0.00	0.80	3.155	O	|	|	|	|	2.09
50.167	0.00	0.80	3.149	O	|	|	|	|	2.09
50.250	0.00	0.79	3.144	O	|	|	|	|	2.09
50.333	0.00	0.79	3.138	O	|	|	|	|	2.08

50.417	0.00	0.79	3.133	O	|	|	|	|	2.08
50.500	0.00	0.79	3.127	O	|	|	|	|	2.08
50.583	0.00	0.78	3.122	O	|	|	|	|	2.07
50.667	0.00	0.78	3.117	O	|	|	|	|	2.07
50.750	0.00	0.78	3.111	O	|	|	|	|	2.07
50.833	0.00	0.77	3.106	O	|	|	|	|	2.06
50.917	0.00	0.77	3.101	O	|	|	|	|	2.06
51.000	0.00	0.77	3.095	O	|	|	|	|	2.06
51.083	0.00	0.76	3.090	O	|	|	|	|	2.05
51.167	0.00	0.76	3.085	O	|	|	|	|	2.05
51.250	0.00	0.76	3.080	O	|	|	|	|	2.05
51.333	0.00	0.75	3.074	O	|	|	|	|	2.04
51.417	0.00	0.75	3.069	O	|	|	|	|	2.04
51.500	0.00	0.75	3.064	O	|	|	|	|	2.04
51.583	0.00	0.74	3.059	O	|	|	|	|	2.04
51.667	0.00	0.74	3.054	O	|	|	|	|	2.03
51.750	0.00	0.74	3.049	O	|	|	|	|	2.03
51.833	0.00	0.74	3.044	O	|	|	|	|	2.03
51.917	0.00	0.73	3.038	O	|	|	|	|	2.02
52.000	0.00	0.73	3.033	O	|	|	|	|	2.02
52.083	0.00	0.73	3.028	O	|	|	|	|	2.02
52.167	0.00	0.72	3.023	O	|	|	|	|	2.01
52.250	0.00	0.72	3.018	O	|	|	|	|	2.01
52.333	0.00	0.72	3.014	O	|	|	|	|	2.01
52.417	0.00	0.72	3.009	O	|	|	|	|	2.01
52.500	0.00	0.71	3.004	O	|	|	|	|	2.00
52.583	0.00	0.71	2.999	O	|	|	|	|	2.00
52.667	0.00	0.71	2.994	O	|	|	|	|	2.00
52.750	0.00	0.71	2.989	O	|	|	|	|	1.99
52.833	0.00	0.71	2.984	O	|	|	|	|	1.99
52.917	0.00	0.71	2.979	O	|	|	|	|	1.99
53.000	0.00	0.71	2.974	O	|	|	|	|	1.98
53.083	0.00	0.71	2.970	O	|	|	|	|	1.98
53.167	0.00	0.70	2.965	O	|	|	|	|	1.98
53.250	0.00	0.70	2.960	O	|	|	|	|	1.97
53.333	0.00	0.70	2.955	O	|	|	|	|	1.97
53.417	0.00	0.70	2.950	O	|	|	|	|	1.97
53.500	0.00	0.70	2.945	O	|	|	|	|	1.96
53.583	0.00	0.70	2.940	O	|	|	|	|	1.96
53.667	0.00	0.70	2.936	O	|	|	|	|	1.96
53.750	0.00	0.70	2.931	O	|	|	|	|	1.96
53.833	0.00	0.70	2.926	O	|	|	|	|	1.95
53.917	0.00	0.70	2.921	O	|	|	|	|	1.95
54.000	0.00	0.70	2.916	O	|	|	|	|	1.95
54.083	0.00	0.70	2.912	O	|	|	|	|	1.94
54.167	0.00	0.70	2.907	O	|	|	|	|	1.94
54.250	0.00	0.69	2.902	O	|	|	|	|	1.94
54.333	0.00	0.69	2.897	O	|	|	|	|	1.93
54.417	0.00	0.69	2.892	O	|	|	|	|	1.93
54.500	0.00	0.69	2.888	O	|	|	|	|	1.93
54.583	0.00	0.69	2.883	O	|	|	|	|	1.92
54.667	0.00	0.69	2.878	O	|	|	|	|	1.92
54.750	0.00	0.69	2.873	O	|	|	|	|	1.92
54.833	0.00	0.69	2.869	O	|	|	|	|	1.92
54.917	0.00	0.69	2.864	O	|	|	|	|	1.91
55.000	0.00	0.69	2.859	O	|	|	|	|	1.91
55.083	0.00	0.69	2.854	O	|	|	|	|	1.91
55.167	0.00	0.69	2.850	O	|	|	|	|	1.90
55.250	0.00	0.69	2.845	O	|	|	|	|	1.90
55.333	0.00	0.69	2.840	O	|	|	|	|	1.90
55.417	0.00	0.68	2.836	O	|	|	|	|	1.89
55.500	0.00	0.68	2.831	O	|	|	|	|	1.89
55.583	0.00	0.68	2.826	O	|	|	|	|	1.89
55.667	0.00	0.68	2.821	O	|	|	|	|	1.88
55.750	0.00	0.68	2.817	O	|	|	|	|	1.88
55.833	0.00	0.68	2.812	O	|	|	|	|	1.88
55.917	0.00	0.68	2.807	O	|	|	|	|	1.88

56.000	0.00	0.68	2.803	O	|	|	|	1.87
56.083	0.00	0.68	2.798	O	|	|	|	1.87
56.167	0.00	0.68	2.793	O	|	|	|	1.87
56.250	0.00	0.68	2.789	O	|	|	|	1.86
56.333	0.00	0.68	2.784	O	|	|	|	1.86
56.417	0.00	0.68	2.779	O	|	|	|	1.86
56.500	0.00	0.68	2.775	O	|	|	|	1.85
56.583	0.00	0.67	2.770	O	|	|	|	1.85
56.667	0.00	0.67	2.765	O	|	|	|	1.85
56.750	0.00	0.67	2.761	O	|	|	|	1.85
56.833	0.00	0.67	2.756	O	|	|	|	1.84
56.917	0.00	0.67	2.751	O	|	|	|	1.84
57.000	0.00	0.67	2.747	O	|	|	|	1.84
57.083	0.00	0.67	2.742	O	|	|	|	1.83
57.167	0.00	0.67	2.738	O	|	|	|	1.83
57.250	0.00	0.67	2.733	O	|	|	|	1.83
57.333	0.00	0.67	2.728	O	|	|	|	1.82
57.417	0.00	0.67	2.724	O	|	|	|	1.82
57.500	0.00	0.67	2.719	O	|	|	|	1.82
57.583	0.00	0.67	2.715	O	|	|	|	1.82
57.667	0.00	0.67	2.710	O	|	|	|	1.81
57.750	0.00	0.66	2.705	O	|	|	|	1.81
57.833	0.00	0.66	2.701	O	|	|	|	1.81
57.917	0.00	0.66	2.696	O	|	|	|	1.80
58.000	0.00	0.66	2.692	O	|	|	|	1.80
58.083	0.00	0.66	2.687	O	|	|	|	1.80
58.167	0.00	0.66	2.683	O	|	|	|	1.80
58.250	0.00	0.66	2.678	O	|	|	|	1.79
58.333	0.00	0.66	2.674	O	|	|	|	1.79
58.417	0.00	0.66	2.669	O	|	|	|	1.79
58.500	0.00	0.66	2.664	O	|	|	|	1.78
58.583	0.00	0.66	2.660	O	|	|	|	1.78
58.667	0.00	0.66	2.655	O	|	|	|	1.78
58.750	0.00	0.66	2.651	O	|	|	|	1.77
58.833	0.00	0.66	2.646	O	|	|	|	1.77
58.917	0.00	0.65	2.642	O	|	|	|	1.77
59.000	0.00	0.65	2.637	O	|	|	|	1.77
59.083	0.00	0.65	2.633	O	|	|	|	1.76
59.167	0.00	0.65	2.628	O	|	|	|	1.76
59.250	0.00	0.65	2.624	O	|	|	|	1.76
59.333	0.00	0.65	2.619	O	|	|	|	1.75
59.417	0.00	0.65	2.615	O	|	|	|	1.75
59.500	0.00	0.65	2.610	O	|	|	|	1.75
59.583	0.00	0.65	2.606	O	|	|	|	1.75
59.667	0.00	0.65	2.602	O	|	|	|	1.74
59.750	0.00	0.65	2.597	O	|	|	|	1.74
59.833	0.00	0.65	2.593	O	|	|	|	1.74
59.917	0.00	0.65	2.588	O	|	|	|	1.73
60.000	0.00	0.65	2.584	O	|	|	|	1.73
60.083	0.00	0.64	2.579	O	|	|	|	1.73
60.167	0.00	0.64	2.575	O	|	|	|	1.73
60.250	0.00	0.64	2.570	O	|	|	|	1.72
60.333	0.00	0.64	2.566	O	|	|	|	1.72
60.417	0.00	0.64	2.562	O	|	|	|	1.72
60.500	0.00	0.64	2.557	O	|	|	|	1.71
60.583	0.00	0.64	2.553	O	|	|	|	1.71
60.667	0.00	0.64	2.548	O	|	|	|	1.71
60.750	0.00	0.64	2.544	O	|	|	|	1.71
60.833	0.00	0.64	2.539	O	|	|	|	1.70
60.917	0.00	0.64	2.535	O	|	|	|	1.70
61.000	0.00	0.64	2.531	O	|	|	|	1.70
61.083	0.00	0.64	2.526	O	|	|	|	1.69
61.167	0.00	0.64	2.522	O	|	|	|	1.69
61.250	0.00	0.64	2.518	O	|	|	|	1.69
61.333	0.00	0.63	2.513	O	|	|	|	1.69
61.417	0.00	0.63	2.509	O	|	|	|	1.68
61.500	0.00	0.63	2.504	O	|	|	|	1.68

61.583	0.00	0.63	2.500	O	|	|	|	|	1.68
61.667	0.00	0.63	2.496	O	|	|	|	|	1.67
61.750	0.00	0.63	2.491	O	|	|	|	|	1.67
61.833	0.00	0.63	2.487	O	|	|	|	|	1.67
61.917	0.00	0.63	2.483	O	|	|	|	|	1.67
62.000	0.00	0.63	2.478	O	|	|	|	|	1.66
62.083	0.00	0.63	2.474	O	|	|	|	|	1.66
62.167	0.00	0.63	2.470	O	|	|	|	|	1.66
62.250	0.00	0.63	2.465	O	|	|	|	|	1.66
62.333	0.00	0.63	2.461	O	|	|	|	|	1.65
62.417	0.00	0.63	2.457	O	|	|	|	|	1.65
62.500	0.00	0.63	2.452	O	|	|	|	|	1.65
62.583	0.00	0.62	2.448	O	|	|	|	|	1.64
62.667	0.00	0.62	2.444	O	|	|	|	|	1.64
62.750	0.00	0.62	2.440	O	|	|	|	|	1.64
62.833	0.00	0.62	2.435	O	|	|	|	|	1.64
62.917	0.00	0.62	2.431	O	|	|	|	|	1.63
63.000	0.00	0.62	2.427	O	|	|	|	|	1.63
63.083	0.00	0.62	2.422	O	|	|	|	|	1.63
63.167	0.00	0.62	2.418	O	|	|	|	|	1.62
63.250	0.00	0.62	2.414	O	|	|	|	|	1.62
63.333	0.00	0.62	2.410	O	|	|	|	|	1.62
63.417	0.00	0.62	2.405	O	|	|	|	|	1.62
63.500	0.00	0.62	2.401	O	|	|	|	|	1.61
63.583	0.00	0.62	2.397	O	|	|	|	|	1.61
63.667	0.00	0.62	2.393	O	|	|	|	|	1.61
63.750	0.00	0.62	2.388	O	|	|	|	|	1.61
63.833	0.00	0.61	2.384	O	|	|	|	|	1.60
63.917	0.00	0.61	2.380	O	|	|	|	|	1.60
64.000	0.00	0.61	2.376	O	|	|	|	|	1.60
64.083	0.00	0.61	2.371	O	|	|	|	|	1.59
64.167	0.00	0.61	2.367	O	|	|	|	|	1.59
64.250	0.00	0.61	2.363	O	|	|	|	|	1.59
64.333	0.00	0.61	2.359	O	|	|	|	|	1.59
64.417	0.00	0.61	2.355	O	|	|	|	|	1.58
64.500	0.00	0.61	2.350	O	|	|	|	|	1.58
64.583	0.00	0.61	2.346	O	|	|	|	|	1.58
64.667	0.00	0.61	2.342	O	|	|	|	|	1.58
64.750	0.00	0.61	2.338	O	|	|	|	|	1.57
64.833	0.00	0.61	2.334	O	|	|	|	|	1.57
64.917	0.00	0.61	2.329	O	|	|	|	|	1.57
65.000	0.00	0.61	2.325	O	|	|	|	|	1.56
65.083	0.00	0.60	2.321	O	|	|	|	|	1.56
65.167	0.00	0.60	2.317	O	|	|	|	|	1.56
65.250	0.00	0.60	2.313	O	|	|	|	|	1.56
65.333	0.00	0.60	2.309	O	|	|	|	|	1.55
65.417	0.00	0.60	2.305	O	|	|	|	|	1.55
65.500	0.00	0.60	2.300	O	|	|	|	|	1.55
65.583	0.00	0.60	2.296	O	|	|	|	|	1.55
65.667	0.00	0.60	2.292	O	|	|	|	|	1.54
65.750	0.00	0.60	2.288	O	|	|	|	|	1.54
65.833	0.00	0.60	2.284	O	|	|	|	|	1.54
65.917	0.00	0.60	2.280	O	|	|	|	|	1.54
66.000	0.00	0.60	2.276	O	|	|	|	|	1.53
66.083	0.00	0.60	2.271	O	|	|	|	|	1.53
66.167	0.00	0.60	2.267	O	|	|	|	|	1.53
66.250	0.00	0.60	2.263	O	|	|	|	|	1.52
66.333	0.00	0.60	2.259	O	|	|	|	|	1.52
66.417	0.00	0.59	2.255	O	|	|	|	|	1.52
66.500	0.00	0.59	2.251	O	|	|	|	|	1.52
66.583	0.00	0.59	2.247	O	|	|	|	|	1.51
66.667	0.00	0.59	2.243	O	|	|	|	|	1.51
66.750	0.00	0.59	2.239	O	|	|	|	|	1.51
66.833	0.00	0.59	2.235	O	|	|	|	|	1.51
66.917	0.00	0.59	2.231	O	|	|	|	|	1.50
67.000	0.00	0.59	2.226	O	|	|	|	|	1.50
67.083	0.00	0.59	2.222	O	|	|	|	|	1.50

67.167	0.00	0.59	2.218	O	|	|	|	1.50
67.250	0.00	0.59	2.214	O	|	|	|	1.49
67.333	0.00	0.59	2.210	O	|	|	|	1.49
67.417	0.00	0.59	2.206	O	|	|	|	1.49
67.500	0.00	0.59	2.202	O	|	|	|	1.49
67.583	0.00	0.59	2.198	O	|	|	|	1.48
67.667	0.00	0.59	2.194	O	|	|	|	1.48
67.750	0.00	0.58	2.190	O	|	|	|	1.48
67.833	0.00	0.58	2.186	O	|	|	|	1.47
67.917	0.00	0.58	2.182	O	|	|	|	1.47
68.000	0.00	0.58	2.178	O	|	|	|	1.47
68.083	0.00	0.58	2.174	O	|	|	|	1.47
68.167	0.00	0.58	2.170	O	|	|	|	1.46
68.250	0.00	0.58	2.166	O	|	|	|	1.46
68.333	0.00	0.58	2.162	O	|	|	|	1.46
68.417	0.00	0.58	2.158	O	|	|	|	1.46
68.500	0.00	0.58	2.154	O	|	|	|	1.45
68.583	0.00	0.58	2.150	O	|	|	|	1.45
68.667	0.00	0.58	2.146	O	|	|	|	1.45
68.750	0.00	0.58	2.142	O	|	|	|	1.45
68.833	0.00	0.58	2.138	O	|	|	|	1.44
68.917	0.00	0.58	2.134	O	|	|	|	1.44
69.000	0.00	0.58	2.130	O	|	|	|	1.44
69.083	0.00	0.57	2.126	O	|	|	|	1.44
69.167	0.00	0.57	2.122	O	|	|	|	1.43
69.250	0.00	0.57	2.118	O	|	|	|	1.43
69.333	0.00	0.57	2.114	O	|	|	|	1.43
69.417	0.00	0.57	2.110	O	|	|	|	1.43
69.500	0.00	0.57	2.106	O	|	|	|	1.42
69.583	0.00	0.57	2.103	O	|	|	|	1.42
69.667	0.00	0.57	2.099	O	|	|	|	1.42
69.750	0.00	0.57	2.095	O	|	|	|	1.42
69.833	0.00	0.57	2.091	O	|	|	|	1.41
69.917	0.00	0.57	2.087	O	|	|	|	1.41
70.000	0.00	0.57	2.083	O	|	|	|	1.41
70.083	0.00	0.57	2.079	O	|	|	|	1.41
70.167	0.00	0.57	2.075	O	|	|	|	1.40
70.250	0.00	0.57	2.071	O	|	|	|	1.40
70.333	0.00	0.57	2.067	O	|	|	|	1.40
70.417	0.00	0.56	2.063	O	|	|	|	1.40
70.500	0.00	0.56	2.060	O	|	|	|	1.39
70.583	0.00	0.56	2.056	O	|	|	|	1.39
70.667	0.00	0.56	2.052	O	|	|	|	1.39
70.750	0.00	0.56	2.048	O	|	|	|	1.39
70.833	0.00	0.56	2.044	O	|	|	|	1.38
70.917	0.00	0.56	2.040	O	|	|	|	1.38
71.000	0.00	0.56	2.036	O	|	|	|	1.38
71.083	0.00	0.56	2.032	O	|	|	|	1.38
71.167	0.00	0.56	2.029	O	|	|	|	1.37
71.250	0.00	0.56	2.025	O	|	|	|	1.37
71.333	0.00	0.56	2.021	O	|	|	|	1.37
71.417	0.00	0.56	2.017	O	|	|	|	1.37
71.500	0.00	0.56	2.013	O	|	|	|	1.36
71.583	0.00	0.56	2.009	O	|	|	|	1.36
71.667	0.00	0.56	2.006	O	|	|	|	1.36
71.750	0.00	0.56	2.002	O	|	|	|	1.36
71.833	0.00	0.55	1.998	O	|	|	|	1.35
71.917	0.00	0.55	1.994	O	|	|	|	1.35
72.000	0.00	0.55	1.990	O	|	|	|	1.35
72.083	0.00	0.55	1.986	O	|	|	|	1.35
72.167	0.00	0.55	1.983	O	|	|	|	1.34
72.250	0.00	0.55	1.979	O	|	|	|	1.34
72.333	0.00	0.55	1.975	O	|	|	|	1.34
72.417	0.00	0.55	1.971	O	|	|	|	1.34
72.500	0.00	0.55	1.967	O	|	|	|	1.33
72.583	0.00	0.55	1.964	O	|	|	|	1.33
72.667	0.00	0.55	1.960	O	|	|	|	1.33

72.750	0.00	0.55	1.956	O	|	|	|	|	1.33
72.833	0.00	0.55	1.952	O	|	|	|	|	1.32
72.917	0.00	0.55	1.949	O	|	|	|	|	1.32
73.000	0.00	0.55	1.945	O	|	|	|	|	1.32
73.083	0.00	0.55	1.941	O	|	|	|	|	1.32
73.167	0.00	0.55	1.937	O	|	|	|	|	1.31
73.250	0.00	0.54	1.933	O	|	|	|	|	1.31
73.333	0.00	0.54	1.930	O	|	|	|	|	1.31
73.417	0.00	0.54	1.926	O	|	|	|	|	1.31
73.500	0.00	0.54	1.922	O	|	|	|	|	1.30
73.583	0.00	0.54	1.919	O	|	|	|	|	1.30
73.667	0.00	0.54	1.915	O	|	|	|	|	1.30
73.750	0.00	0.54	1.911	O	|	|	|	|	1.30
73.833	0.00	0.54	1.907	O	|	|	|	|	1.30
73.917	0.00	0.54	1.904	O	|	|	|	|	1.29
74.000	0.00	0.54	1.900	O	|	|	|	|	1.29
74.083	0.00	0.54	1.896	O	|	|	|	|	1.29
74.167	0.00	0.54	1.892	O	|	|	|	|	1.29
74.250	0.00	0.54	1.889	O	|	|	|	|	1.28
74.333	0.00	0.54	1.885	O	|	|	|	|	1.28
74.417	0.00	0.54	1.881	O	|	|	|	|	1.28
74.500	0.00	0.54	1.878	O	|	|	|	|	1.28
74.583	0.00	0.54	1.874	O	|	|	|	|	1.27
74.667	0.00	0.54	1.870	O	|	|	|	|	1.27
74.750	0.00	0.53	1.867	O	|	|	|	|	1.27
74.833	0.00	0.53	1.863	O	|	|	|	|	1.27
74.917	0.00	0.53	1.859	O	|	|	|	|	1.26
75.000	0.00	0.53	1.856	O	|	|	|	|	1.26
75.083	0.00	0.53	1.852	O	|	|	|	|	1.26
75.167	0.00	0.53	1.848	O	|	|	|	|	1.26
75.250	0.00	0.53	1.845	O	|	|	|	|	1.25
75.333	0.00	0.53	1.841	O	|	|	|	|	1.25
75.417	0.00	0.53	1.837	O	|	|	|	|	1.25
75.500	0.00	0.53	1.834	O	|	|	|	|	1.25
75.583	0.00	0.53	1.830	O	|	|	|	|	1.25
75.667	0.00	0.53	1.826	O	|	|	|	|	1.24
75.750	0.00	0.53	1.823	O	|	|	|	|	1.24
75.833	0.00	0.53	1.819	O	|	|	|	|	1.24
75.917	0.00	0.53	1.815	O	|	|	|	|	1.24
76.000	0.00	0.53	1.812	O	|	|	|	|	1.23
76.083	0.00	0.53	1.808	O	|	|	|	|	1.23
76.167	0.00	0.52	1.805	O	|	|	|	|	1.23
76.250	0.00	0.52	1.801	O	|	|	|	|	1.23
76.333	0.00	0.52	1.797	O	|	|	|	|	1.22
76.417	0.00	0.52	1.794	O	|	|	|	|	1.22
76.500	0.00	0.52	1.790	O	|	|	|	|	1.22
76.583	0.00	0.52	1.787	O	|	|	|	|	1.22
76.667	0.00	0.52	1.783	O	|	|	|	|	1.21
76.750	0.00	0.52	1.779	O	|	|	|	|	1.21
76.833	0.00	0.52	1.776	O	|	|	|	|	1.21
76.917	0.00	0.52	1.772	O	|	|	|	|	1.21
77.000	0.00	0.52	1.769	O	|	|	|	|	1.21
77.083	0.00	0.52	1.765	O	|	|	|	|	1.20
77.167	0.00	0.52	1.761	O	|	|	|	|	1.20
77.250	0.00	0.52	1.758	O	|	|	|	|	1.20
77.333	0.00	0.52	1.754	O	|	|	|	|	1.20
77.417	0.00	0.52	1.751	O	|	|	|	|	1.19
77.500	0.00	0.52	1.747	O	|	|	|	|	1.19
77.583	0.00	0.52	1.744	O	|	|	|	|	1.19
77.667	0.00	0.51	1.740	O	|	|	|	|	1.19
77.750	0.00	0.51	1.737	O	|	|	|	|	1.18
77.833	0.00	0.51	1.733	O	|	|	|	|	1.18
77.917	0.00	0.51	1.729	O	|	|	|	|	1.18
78.000	0.00	0.51	1.726	O	|	|	|	|	1.18
78.083	0.00	0.51	1.722	O	|	|	|	|	1.18
78.167	0.00	0.51	1.719	O	|	|	|	|	1.17
78.250	0.00	0.51	1.715	O	|	|	|	|	1.17

78.333	0.00	0.51	1.712	O	|	|	|	1.17
78.417	0.00	0.51	1.708	O	|	|	|	1.17
78.500	0.00	0.51	1.705	O	|	|	|	1.16
78.583	0.00	0.51	1.701	O	|	|	|	1.16
78.667	0.00	0.51	1.698	O	|	|	|	1.16
78.750	0.00	0.51	1.694	O	|	|	|	1.16
78.833	0.00	0.51	1.691	O	|	|	|	1.16
78.917	0.00	0.51	1.687	O	|	|	|	1.15
79.000	0.00	0.51	1.684	O	|	|	|	1.15
79.083	0.00	0.51	1.680	O	|	|	|	1.15
79.167	0.00	0.51	1.677	O	|	|	|	1.15
79.250	0.00	0.50	1.673	O	|	|	|	1.14
79.333	0.00	0.50	1.670	O	|	|	|	1.14
79.417	0.00	0.50	1.666	O	|	|	|	1.14
79.500	0.00	0.50	1.663	O	|	|	|	1.14
79.583	0.00	0.50	1.660	O	|	|	|	1.14
79.667	0.00	0.50	1.656	O	|	|	|	1.13
79.750	0.00	0.50	1.653	O	|	|	|	1.13
79.833	0.00	0.50	1.649	O	|	|	|	1.13
79.917	0.00	0.50	1.646	O	|	|	|	1.13
80.000	0.00	0.50	1.642	O	|	|	|	1.12
80.083	0.00	0.50	1.639	O	|	|	|	1.12
80.167	0.00	0.50	1.635	O	|	|	|	1.12
80.250	0.00	0.50	1.632	O	|	|	|	1.12
80.333	0.00	0.50	1.629	O	|	|	|	1.12
80.417	0.00	0.50	1.625	O	|	|	|	1.11
80.500	0.00	0.50	1.622	O	|	|	|	1.11
80.583	0.00	0.50	1.618	O	|	|	|	1.11
80.667	0.00	0.50	1.615	O	|	|	|	1.11
80.750	0.00	0.50	1.611	O	|	|	|	1.10
80.833	0.00	0.49	1.608	O	|	|	|	1.10
80.917	0.00	0.49	1.605	O	|	|	|	1.10
81.000	0.00	0.49	1.601	O	|	|	|	1.10
81.083	0.00	0.49	1.598	O	|	|	|	1.10
81.167	0.00	0.49	1.594	O	|	|	|	1.09
81.250	0.00	0.49	1.591	O	|	|	|	1.09
81.333	0.00	0.49	1.588	O	|	|	|	1.09
81.417	0.00	0.49	1.584	O	|	|	|	1.09
81.500	0.00	0.49	1.581	O	|	|	|	1.08
81.583	0.00	0.49	1.578	O	|	|	|	1.08
81.667	0.00	0.49	1.574	O	|	|	|	1.08
81.750	0.00	0.49	1.571	O	|	|	|	1.08
81.833	0.00	0.49	1.567	O	|	|	|	1.08
81.917	0.00	0.49	1.564	O	|	|	|	1.07
82.000	0.00	0.49	1.561	O	|	|	|	1.07
82.083	0.00	0.49	1.557	O	|	|	|	1.07
82.167	0.00	0.49	1.554	O	|	|	|	1.07
82.250	0.00	0.49	1.551	O	|	|	|	1.06
82.333	0.00	0.49	1.547	O	|	|	|	1.06
82.417	0.00	0.48	1.544	O	|	|	|	1.06
82.500	0.00	0.48	1.541	O	|	|	|	1.06
82.583	0.00	0.48	1.537	O	|	|	|	1.06
82.667	0.00	0.48	1.534	O	|	|	|	1.05
82.750	0.00	0.48	1.531	O	|	|	|	1.05
82.833	0.00	0.48	1.527	O	|	|	|	1.05
82.917	0.00	0.48	1.524	O	|	|	|	1.05
83.000	0.00	0.48	1.521	O	|	|	|	1.05
83.083	0.00	0.48	1.517	O	|	|	|	1.04
83.167	0.00	0.48	1.514	O	|	|	|	1.04
83.250	0.00	0.48	1.511	O	|	|	|	1.04
83.333	0.00	0.48	1.508	O	|	|	|	1.04
83.417	0.00	0.48	1.504	O	|	|	|	1.03
83.500	0.00	0.48	1.501	O	|	|	|	1.03
83.583	0.00	0.48	1.498	O	|	|	|	1.03
83.667	0.00	0.48	1.494	O	|	|	|	1.03
83.750	0.00	0.48	1.491	O	|	|	|	1.03
83.833	0.00	0.48	1.488	O	|	|	|	1.02

83.917	0.00	0.48	1.485	O	|	|	|	|	1.02
84.000	0.00	0.47	1.481	O	|	|	|	|	1.02
84.083	0.00	0.47	1.478	O	|	|	|	|	1.02
84.167	0.00	0.47	1.475	O	|	|	|	|	1.02
84.250	0.00	0.47	1.471	O	|	|	|	|	1.01
84.333	0.00	0.47	1.468	O	|	|	|	|	1.01
84.417	0.00	0.47	1.465	O	|	|	|	|	1.01
84.500	0.00	0.47	1.462	O	|	|	|	|	1.01
84.583	0.00	0.47	1.458	O	|	|	|	|	1.01
84.667	0.00	0.47	1.455	O	|	|	|	|	1.00
84.750	0.00	0.47	1.452	O	|	|	|	|	1.00
84.833	0.00	0.47	1.449	O	|	|	|	|	1.00
84.917	0.00	0.47	1.445	O	|	|	|	|	1.00
85.000	0.00	0.47	1.442	O	|	|	|	|	0.99
85.083	0.00	0.47	1.439	O	|	|	|	|	0.99
85.167	0.00	0.47	1.436	O	|	|	|	|	0.99
85.250	0.00	0.46	1.433	O	|	|	|	|	0.99
85.333	0.00	0.46	1.429	O	|	|	|	|	0.99
85.417	0.00	0.46	1.426	O	|	|	|	|	0.98
85.500	0.00	0.46	1.423	O	|	|	|	|	0.98
85.583	0.00	0.46	1.420	O	|	|	|	|	0.98
85.667	0.00	0.46	1.417	O	|	|	|	|	0.98
85.750	0.00	0.46	1.414	O	|	|	|	|	0.97
85.833	0.00	0.46	1.410	O	|	|	|	|	0.97
85.917	0.00	0.46	1.407	O	|	|	|	|	0.97
86.000	0.00	0.46	1.404	O	|	|	|	|	0.97
86.083	0.00	0.45	1.401	O	|	|	|	|	0.97
86.167	0.00	0.45	1.398	O	|	|	|	|	0.96
86.250	0.00	0.45	1.395	O	|	|	|	|	0.96
86.333	0.00	0.45	1.392	O	|	|	|	|	0.96
86.417	0.00	0.45	1.389	O	|	|	|	|	0.96
86.500	0.00	0.45	1.385	O	|	|	|	|	0.96
86.583	0.00	0.45	1.382	O	|	|	|	|	0.95
86.667	0.00	0.45	1.379	O	|	|	|	|	0.95
86.750	0.00	0.45	1.376	O	|	|	|	|	0.95
86.833	0.00	0.45	1.373	O	|	|	|	|	0.95
86.917	0.00	0.44	1.370	O	|	|	|	|	0.94
87.000	0.00	0.44	1.367	O	|	|	|	|	0.94
87.083	0.00	0.44	1.364	O	|	|	|	|	0.94
87.167	0.00	0.44	1.361	O	|	|	|	|	0.94
87.250	0.00	0.44	1.358	O	|	|	|	|	0.94
87.333	0.00	0.44	1.355	O	|	|	|	|	0.93
87.417	0.00	0.44	1.352	O	|	|	|	|	0.93
87.500	0.00	0.44	1.349	O	|	|	|	|	0.93
87.583	0.00	0.44	1.346	O	|	|	|	|	0.93
87.667	0.00	0.44	1.343	O	|	|	|	|	0.93
87.750	0.00	0.43	1.340	O	|	|	|	|	0.92
87.833	0.00	0.43	1.337	O	|	|	|	|	0.92
87.917	0.00	0.43	1.334	O	|	|	|	|	0.92
88.000	0.00	0.43	1.331	O	|	|	|	|	0.92
88.083	0.00	0.43	1.328	O	|	|	|	|	0.92
88.167	0.00	0.43	1.325	O	|	|	|	|	0.91
88.250	0.00	0.43	1.322	O	|	|	|	|	0.91
88.333	0.00	0.43	1.319	O	|	|	|	|	0.91
88.417	0.00	0.43	1.316	O	|	|	|	|	0.91
88.500	0.00	0.43	1.313	O	|	|	|	|	0.91
88.583	0.00	0.42	1.310	O	|	|	|	|	0.90
88.667	0.00	0.42	1.307	O	|	|	|	|	0.90
88.750	0.00	0.42	1.304	O	|	|	|	|	0.90
88.833	0.00	0.42	1.301	O	|	|	|	|	0.90
88.917	0.00	0.42	1.299	O	|	|	|	|	0.90
89.000	0.00	0.42	1.296	O	|	|	|	|	0.89
89.083	0.00	0.42	1.293	O	|	|	|	|	0.89
89.167	0.00	0.42	1.290	O	|	|	|	|	0.89
89.250	0.00	0.42	1.287	O	|	|	|	|	0.89
89.333	0.00	0.42	1.284	O	|	|	|	|	0.89
89.417	0.00	0.42	1.281	O	|	|	|	|	0.88

89.500	0.00	0.41	1.278	O	|	|	|	0.88
89.583	0.00	0.41	1.276	O	|	|	|	0.88
89.667	0.00	0.41	1.273	O	|	|	|	0.88
89.750	0.00	0.41	1.270	O	|	|	|	0.88
89.833	0.00	0.41	1.267	O	|	|	|	0.87
89.917	0.00	0.41	1.264	O	|	|	|	0.87
90.000	0.00	0.41	1.261	O	|	|	|	0.87
90.083	0.00	0.41	1.259	O	|	|	|	0.87
90.167	0.00	0.41	1.256	O	|	|	|	0.87
90.250	0.00	0.41	1.253	O	|	|	|	0.86
90.333	0.00	0.41	1.250	O	|	|	|	0.86
90.417	0.00	0.40	1.247	O	|	|	|	0.86
90.500	0.00	0.40	1.245	O	|	|	|	0.86
90.583	0.00	0.40	1.242	O	|	|	|	0.86
90.667	0.00	0.40	1.239	O	|	|	|	0.85
90.750	0.00	0.40	1.236	O	|	|	|	0.85
90.833	0.00	0.40	1.234	O	|	|	|	0.85
90.917	0.00	0.40	1.231	O	|	|	|	0.85
91.000	0.00	0.40	1.228	O	|	|	|	0.85
91.083	0.00	0.40	1.225	O	|	|	|	0.85
91.167	0.00	0.40	1.223	O	|	|	|	0.84
91.250	0.00	0.40	1.220	O	|	|	|	0.84
91.333	0.00	0.39	1.217	O	|	|	|	0.84
91.417	0.00	0.39	1.214	O	|	|	|	0.84
91.500	0.00	0.39	1.212	O	|	|	|	0.84
91.583	0.00	0.39	1.209	O	|	|	|	0.83
91.667	0.00	0.39	1.206	O	|	|	|	0.83
91.750	0.00	0.39	1.204	O	|	|	|	0.83
91.833	0.00	0.39	1.201	O	|	|	|	0.83
91.917	0.00	0.39	1.198	O	|	|	|	0.83
92.000	0.00	0.39	1.196	O	|	|	|	0.82
92.083	0.00	0.39	1.193	O	|	|	|	0.82
92.167	0.00	0.39	1.190	O	|	|	|	0.82
92.250	0.00	0.38	1.188	O	|	|	|	0.82
92.333	0.00	0.38	1.185	O	|	|	|	0.82
92.417	0.00	0.38	1.182	O	|	|	|	0.82
92.500	0.00	0.38	1.180	O	|	|	|	0.81
92.583	0.00	0.38	1.177	O	|	|	|	0.81
92.667	0.00	0.38	1.174	O	|	|	|	0.81
92.750	0.00	0.38	1.172	O	|	|	|	0.81
92.833	0.00	0.38	1.169	O	|	|	|	0.81
92.917	0.00	0.38	1.167	O	|	|	|	0.80
93.000	0.00	0.38	1.164	O	|	|	|	0.80
93.083	0.00	0.38	1.161	O	|	|	|	0.80
93.167	0.00	0.38	1.159	O	|	|	|	0.80
93.250	0.00	0.37	1.156	O	|	|	|	0.80
93.333	0.00	0.37	1.154	O	|	|	|	0.80
93.417	0.00	0.37	1.151	O	|	|	|	0.79
93.500	0.00	0.37	1.149	O	|	|	|	0.79
93.583	0.00	0.37	1.146	O	|	|	|	0.79
93.667	0.00	0.37	1.143	O	|	|	|	0.79
93.750	0.00	0.37	1.141	O	|	|	|	0.79
93.833	0.00	0.37	1.138	O	|	|	|	0.79
93.917	0.00	0.37	1.136	O	|	|	|	0.78
94.000	0.00	0.37	1.133	O	|	|	|	0.78
94.083	0.00	0.37	1.131	O	|	|	|	0.78
94.167	0.00	0.37	1.128	O	|	|	|	0.78
94.250	0.00	0.36	1.126	O	|	|	|	0.78
94.333	0.00	0.36	1.123	O	|	|	|	0.77
94.417	0.00	0.36	1.121	O	|	|	|	0.77
94.500	0.00	0.36	1.118	O	|	|	|	0.77
94.583	0.00	0.36	1.116	O	|	|	|	0.77
94.667	0.00	0.36	1.113	O	|	|	|	0.77
94.750	0.00	0.36	1.111	O	|	|	|	0.77
94.833	0.00	0.36	1.108	O	|	|	|	0.76
94.917	0.00	0.36	1.106	O	|	|	|	0.76
95.000	0.00	0.36	1.103	O	|	|	|	0.76

95.083	0.00	0.36	1.101	O	|	|	|	0.76
95.167	0.00	0.36	1.098	O	|	|	|	0.76
95.250	0.00	0.36	1.096	O	|	|	|	0.76
95.333	0.00	0.35	1.094	O	|	|	|	0.75
95.417	0.00	0.35	1.091	O	|	|	|	0.75
95.500	0.00	0.35	1.089	O	|	|	|	0.75
95.583	0.00	0.35	1.086	O	|	|	|	0.75
95.667	0.00	0.35	1.084	O	|	|	|	0.75
95.750	0.00	0.35	1.081	O	|	|	|	0.75
95.833	0.00	0.35	1.079	O	|	|	|	0.74
95.917	0.00	0.35	1.077	O	|	|	|	0.74
96.000	0.00	0.35	1.074	O	|	|	|	0.74
96.083	0.00	0.35	1.072	O	|	|	|	0.74
96.167	0.00	0.35	1.069	O	|	|	|	0.74
96.250	0.00	0.35	1.067	O	|	|	|	0.74
96.333	0.00	0.35	1.065	O	|	|	|	0.73
96.417	0.00	0.34	1.062	O	|	|	|	0.73
96.500	0.00	0.34	1.060	O	|	|	|	0.73
96.583	0.00	0.34	1.058	O	|	|	|	0.73
96.667	0.00	0.34	1.055	O	|	|	|	0.73
96.750	0.00	0.34	1.053	O	|	|	|	0.73
96.833	0.00	0.34	1.050	O	|	|	|	0.72
96.917	0.00	0.34	1.048	O	|	|	|	0.72
97.000	0.00	0.34	1.046	O	|	|	|	0.72
97.083	0.00	0.34	1.043	O	|	|	|	0.72
97.167	0.00	0.34	1.041	O	|	|	|	0.72
97.250	0.00	0.34	1.039	O	|	|	|	0.72
97.333	0.00	0.34	1.036	O	|	|	|	0.71
97.417	0.00	0.34	1.034	O	|	|	|	0.71
97.500	0.00	0.33	1.032	O	|	|	|	0.71
97.583	0.00	0.33	1.030	O	|	|	|	0.71
97.667	0.00	0.33	1.027	O	|	|	|	0.71
97.750	0.00	0.33	1.025	O	|	|	|	0.71
97.833	0.00	0.33	1.023	O	|	|	|	0.71
97.917	0.00	0.33	1.020	O	|	|	|	0.70
98.000	0.00	0.33	1.018	O	|	|	|	0.70
98.083	0.00	0.33	1.016	O	|	|	|	0.70
98.167	0.00	0.33	1.014	O	|	|	|	0.70
98.250	0.00	0.33	1.011	O	|	|	|	0.70
98.333	0.00	0.33	1.009	O	|	|	|	0.70
98.417	0.00	0.33	1.007	O	|	|	|	0.69
98.500	0.00	0.33	1.005	O	|	|	|	0.69
98.583	0.00	0.32	1.002	O	|	|	|	0.69
98.667	0.00	0.32	1.000	O	|	|	|	0.69
98.750	0.00	0.32	0.998	O	|	|	|	0.69
98.833	0.00	0.32	0.996	O	|	|	|	0.69
98.917	0.00	0.32	0.993	O	|	|	|	0.69
99.000	0.00	0.32	0.991	O	|	|	|	0.68
99.083	0.00	0.32	0.989	O	|	|	|	0.68
99.167	0.00	0.32	0.987	O	|	|	|	0.68
99.250	0.00	0.32	0.985	O	|	|	|	0.68
99.333	0.00	0.32	0.982	O	|	|	|	0.68
99.417	0.00	0.32	0.980	O	|	|	|	0.68
99.500	0.00	0.32	0.978	O	|	|	|	0.67
99.583	0.00	0.32	0.976	O	|	|	|	0.67
99.667	0.00	0.32	0.974	O	|	|	|	0.67
99.750	0.00	0.31	0.971	O	|	|	|	0.67
99.833	0.00	0.31	0.969	O	|	|	|	0.67
99.917	0.00	0.31	0.967	O	|	|	|	0.67
100.000	0.00	0.31	0.965	O	|	|	|	0.67
100.083	0.00	0.31	0.963	O	|	|	|	0.66
100.167	0.00	0.31	0.961	O	|	|	|	0.66
100.250	0.00	0.31	0.959	O	|	|	|	0.66
100.333	0.00	0.31	0.956	O	|	|	|	0.66
100.417	0.00	0.31	0.954	O	|	|	|	0.66
100.500	0.00	0.31	0.952	O	|	|	|	0.66
100.583	0.00	0.31	0.950	O	|	|	|	0.66

100.667	0.00	0.31	0.948	O	|	|	|	0.65
100.750	0.00	0.31	0.946	O	|	|	|	0.65
100.833	0.00	0.31	0.944	O	|	|	|	0.65
100.917	0.00	0.31	0.942	O	|	|	|	0.65
101.000	0.00	0.30	0.940	O	|	|	|	0.65
101.083	0.00	0.30	0.937	O	|	|	|	0.65
101.167	0.00	0.30	0.935	O	|	|	|	0.65
101.250	0.00	0.30	0.933	O	|	|	|	0.64
101.333	0.00	0.30	0.931	O	|	|	|	0.64
101.417	0.00	0.30	0.929	O	|	|	|	0.64
101.500	0.00	0.30	0.927	O	|	|	|	0.64
101.583	0.00	0.30	0.925	O	|	|	|	0.64
101.667	0.00	0.30	0.923	O	|	|	|	0.64
101.750	0.00	0.30	0.921	O	|	|	|	0.64
101.833	0.00	0.30	0.919	O	|	|	|	0.63
101.917	0.00	0.30	0.917	O	|	|	|	0.63
102.000	0.00	0.30	0.915	O	|	|	|	0.63
102.083	0.00	0.30	0.913	O	|	|	|	0.63
102.167	0.00	0.30	0.911	O	|	|	|	0.63
102.250	0.00	0.29	0.909	O	|	|	|	0.63
102.333	0.00	0.29	0.907	O	|	|	|	0.63
102.417	0.00	0.29	0.905	O	|	|	|	0.62
102.500	0.00	0.29	0.902	O	|	|	|	0.62
102.583	0.00	0.29	0.900	O	|	|	|	0.62
102.667	0.00	0.29	0.898	O	|	|	|	0.62
102.750	0.00	0.29	0.896	O	|	|	|	0.62
102.833	0.00	0.29	0.894	O	|	|	|	0.62
102.917	0.00	0.29	0.892	O	|	|	|	0.62
103.000	0.00	0.29	0.890	O	|	|	|	0.61
103.083	0.00	0.29	0.889	O	|	|	|	0.61
103.167	0.00	0.29	0.887	O	|	|	|	0.61
103.250	0.00	0.29	0.885	O	|	|	|	0.61
103.333	0.00	0.29	0.883	O	|	|	|	0.61
103.417	0.00	0.29	0.881	O	|	|	|	0.61
103.500	0.00	0.28	0.879	O	|	|	|	0.61
103.583	0.00	0.28	0.877	O	|	|	|	0.60
103.667	0.00	0.28	0.875	O	|	|	|	0.60
103.750	0.00	0.28	0.873	O	|	|	|	0.60
103.833	0.00	0.28	0.871	O	|	|	|	0.60
103.917	0.00	0.28	0.869	O	|	|	|	0.60
104.000	0.00	0.28	0.867	O	|	|	|	0.60
104.083	0.00	0.28	0.865	O	|	|	|	0.60
104.167	0.00	0.28	0.863	O	|	|	|	0.60
104.250	0.00	0.28	0.861	O	|	|	|	0.59
104.333	0.00	0.28	0.859	O	|	|	|	0.59
104.417	0.00	0.28	0.857	O	|	|	|	0.59
104.500	0.00	0.28	0.855	O	|	|	|	0.59
104.583	0.00	0.28	0.854	O	|	|	|	0.59
104.667	0.00	0.28	0.852	O	|	|	|	0.59
104.750	0.00	0.28	0.850	O	|	|	|	0.59
104.833	0.00	0.27	0.848	O	|	|	|	0.58
104.917	0.00	0.27	0.846	O	|	|	|	0.58
105.000	0.00	0.27	0.844	O	|	|	|	0.58
105.083	0.00	0.27	0.842	O	|	|	|	0.58
105.167	0.00	0.27	0.840	O	|	|	|	0.58
105.250	0.00	0.27	0.838	O	|	|	|	0.58
105.333	0.00	0.27	0.837	O	|	|	|	0.58
105.417	0.00	0.27	0.835	O	|	|	|	0.58
105.500	0.00	0.27	0.833	O	|	|	|	0.57
105.583	0.00	0.27	0.831	O	|	|	|	0.57
105.667	0.00	0.27	0.829	O	|	|	|	0.57
105.750	0.00	0.27	0.827	O	|	|	|	0.57
105.833	0.00	0.27	0.825	O	|	|	|	0.57
105.917	0.00	0.27	0.824	O	|	|	|	0.57
106.000	0.00	0.27	0.822	O	|	|	|	0.57
106.083	0.00	0.27	0.820	O	|	|	|	0.57
106.167	0.00	0.27	0.818	O	|	|	|	0.56

106.250	0.00	0.26	0.816	O	|	|	|	0.56
106.333	0.00	0.26	0.814	O	|	|	|	0.56
106.417	0.00	0.26	0.813	O	|	|	|	0.56
106.500	0.00	0.26	0.811	O	|	|	|	0.56
106.583	0.00	0.26	0.809	O	|	|	|	0.56
106.667	0.00	0.26	0.807	O	|	|	|	0.56
106.750	0.00	0.26	0.805	O	|	|	|	0.56
106.833	0.00	0.26	0.804	O	|	|	|	0.55
106.917	0.00	0.26	0.802	O	|	|	|	0.55
107.000	0.00	0.26	0.800	O	|	|	|	0.55
107.083	0.00	0.26	0.798	O	|	|	|	0.55
107.167	0.00	0.26	0.796	O	|	|	|	0.55
107.250	0.00	0.26	0.795	O	|	|	|	0.55
107.333	0.00	0.26	0.793	O	|	|	|	0.55
107.417	0.00	0.26	0.791	O	|	|	|	0.55
107.500	0.00	0.26	0.789	O	|	|	|	0.54
107.583	0.00	0.26	0.788	O	|	|	|	0.54
107.667	0.00	0.25	0.786	O	|	|	|	0.54
107.750	0.00	0.25	0.784	O	|	|	|	0.54
107.833	0.00	0.25	0.782	O	|	|	|	0.54
107.917	0.00	0.25	0.781	O	|	|	|	0.54
108.000	0.00	0.25	0.779	O	|	|	|	0.54
108.083	0.00	0.25	0.777	O	|	|	|	0.54
108.167	0.00	0.25	0.775	O	|	|	|	0.53
108.250	0.00	0.25	0.774	O	|	|	|	0.53
108.333	0.00	0.25	0.772	O	|	|	|	0.53
108.417	0.00	0.25	0.770	O	|	|	|	0.53
108.500	0.00	0.25	0.768	O	|	|	|	0.53
108.583	0.00	0.25	0.767	O	|	|	|	0.53
108.667	0.00	0.25	0.765	O	|	|	|	0.53
108.750	0.00	0.25	0.763	O	|	|	|	0.53
108.833	0.00	0.25	0.762	O	|	|	|	0.53
108.917	0.00	0.25	0.760	O	|	|	|	0.52
109.000	0.00	0.25	0.758	O	|	|	|	0.52
109.083	0.00	0.25	0.757	O	|	|	|	0.52
109.167	0.00	0.24	0.755	O	|	|	|	0.52
109.250	0.00	0.24	0.753	O	|	|	|	0.52
109.333	0.00	0.24	0.752	O	|	|	|	0.52
109.417	0.00	0.24	0.750	O	|	|	|	0.52
109.500	0.00	0.24	0.748	O	|	|	|	0.52
109.583	0.00	0.24	0.747	O	|	|	|	0.51
109.667	0.00	0.24	0.745	O	|	|	|	0.51
109.750	0.00	0.24	0.743	O	|	|	|	0.51
109.833	0.00	0.24	0.742	O	|	|	|	0.51
109.917	0.00	0.24	0.740	O	|	|	|	0.51
110.000	0.00	0.24	0.738	O	|	|	|	0.51
110.083	0.00	0.24	0.737	O	|	|	|	0.51
110.167	0.00	0.24	0.735	O	|	|	|	0.51
110.250	0.00	0.24	0.733	O	|	|	|	0.51
110.333	0.00	0.24	0.732	O	|	|	|	0.50
110.417	0.00	0.24	0.730	O	|	|	|	0.50
110.500	0.00	0.24	0.728	O	|	|	|	0.50
110.583	0.00	0.24	0.727	O	|	|	|	0.50
110.667	0.00	0.24	0.725	O	|	|	|	0.50
110.750	0.00	0.23	0.724	O	|	|	|	0.50
110.833	0.00	0.23	0.722	O	|	|	|	0.50
110.917	0.00	0.23	0.720	O	|	|	|	0.50
111.000	0.00	0.23	0.719	O	|	|	|	0.50
111.083	0.00	0.23	0.717	O	|	|	|	0.49
111.167	0.00	0.23	0.716	O	|	|	|	0.49
111.250	0.00	0.23	0.714	O	|	|	|	0.49
111.333	0.00	0.23	0.712	O	|	|	|	0.49
111.417	0.00	0.23	0.711	O	|	|	|	0.49
111.500	0.00	0.23	0.709	O	|	|	|	0.49
111.583	0.00	0.23	0.708	O	|	|	|	0.49
111.667	0.00	0.23	0.706	O	|	|	|	0.49
111.750	0.00	0.23	0.704	O	|	|	|	0.49

111.833	0.00	0.23	0.703	O	|	|	|	|	0.48
111.917	0.00	0.23	0.701	O	|	|	|	|	0.48
112.000	0.00	0.23	0.700	O	|	|	|	|	0.48
112.083	0.00	0.23	0.698	O	|	|	|	|	0.48
112.167	0.00	0.23	0.697	O	|	|	|	|	0.48
112.250	0.00	0.23	0.695	O	|	|	|	|	0.48
112.333	0.00	0.22	0.693	O	|	|	|	|	0.48
112.417	0.00	0.22	0.692	O	|	|	|	|	0.48
112.500	0.00	0.22	0.690	O	|	|	|	|	0.48
112.583	0.00	0.22	0.689	O	|	|	|	|	0.48
112.667	0.00	0.22	0.687	O	|	|	|	|	0.47
112.750	0.00	0.22	0.686	O	|	|	|	|	0.47
112.833	0.00	0.22	0.684	O	|	|	|	|	0.47
112.917	0.00	0.22	0.683	O	|	|	|	|	0.47
113.000	0.00	0.22	0.681	O	|	|	|	|	0.47
113.083	0.00	0.22	0.680	O	|	|	|	|	0.47
113.167	0.00	0.22	0.678	O	|	|	|	|	0.47
113.250	0.00	0.22	0.677	O	|	|	|	|	0.47
113.333	0.00	0.22	0.675	O	|	|	|	|	0.47
113.417	0.00	0.22	0.674	O	|	|	|	|	0.46
113.500	0.00	0.22	0.672	O	|	|	|	|	0.46
113.583	0.00	0.22	0.671	O	|	|	|	|	0.46
113.667	0.00	0.22	0.669	O	|	|	|	|	0.46
113.750	0.00	0.22	0.668	O	|	|	|	|	0.46
113.833	0.00	0.22	0.666	O	|	|	|	|	0.46
113.917	0.00	0.22	0.665	O	|	|	|	|	0.46
114.000	0.00	0.21	0.663	O	|	|	|	|	0.46
114.083	0.00	0.21	0.662	O	|	|	|	|	0.46
114.167	0.00	0.21	0.660	O	|	|	|	|	0.46
114.250	0.00	0.21	0.659	O	|	|	|	|	0.45
114.333	0.00	0.21	0.657	O	|	|	|	|	0.45
114.417	0.00	0.21	0.656	O	|	|	|	|	0.45
114.500	0.00	0.21	0.654	O	|	|	|	|	0.45
114.583	0.00	0.21	0.653	O	|	|	|	|	0.45
114.667	0.00	0.21	0.651	O	|	|	|	|	0.45
114.750	0.00	0.21	0.650	O	|	|	|	|	0.45
114.833	0.00	0.21	0.649	O	|	|	|	|	0.45
114.917	0.00	0.21	0.647	O	|	|	|	|	0.45
115.000	0.00	0.21	0.646	O	|	|	|	|	0.45
115.083	0.00	0.21	0.644	O	|	|	|	|	0.44
115.167	0.00	0.21	0.643	O	|	|	|	|	0.44
115.250	0.00	0.21	0.641	O	|	|	|	|	0.44
115.333	0.00	0.21	0.640	O	|	|	|	|	0.44
115.417	0.00	0.21	0.639	O	|	|	|	|	0.44
115.500	0.00	0.21	0.637	O	|	|	|	|	0.44
115.583	0.00	0.21	0.636	O	|	|	|	|	0.44
115.667	0.00	0.21	0.634	O	|	|	|	|	0.44
115.750	0.00	0.21	0.633	O	|	|	|	|	0.44
115.833	0.00	0.20	0.631	O	|	|	|	|	0.44
115.917	0.00	0.20	0.630	O	|	|	|	|	0.43
116.000	0.00	0.20	0.629	O	|	|	|	|	0.43
116.083	0.00	0.20	0.627	O	|	|	|	|	0.43
116.167	0.00	0.20	0.626	O	|	|	|	|	0.43
116.250	0.00	0.20	0.624	O	|	|	|	|	0.43
116.333	0.00	0.20	0.623	O	|	|	|	|	0.43
116.417	0.00	0.20	0.622	O	|	|	|	|	0.43
116.500	0.00	0.20	0.620	O	|	|	|	|	0.43
116.583	0.00	0.20	0.619	O	|	|	|	|	0.43
116.667	0.00	0.20	0.617	O	|	|	|	|	0.43
116.750	0.00	0.20	0.616	O	|	|	|	|	0.42
116.833	0.00	0.20	0.615	O	|	|	|	|	0.42
116.917	0.00	0.20	0.613	O	|	|	|	|	0.42
117.000	0.00	0.20	0.612	O	|	|	|	|	0.42
117.083	0.00	0.20	0.611	O	|	|	|	|	0.42
117.167	0.00	0.20	0.609	O	|	|	|	|	0.42
117.250	0.00	0.20	0.608	O	|	|	|	|	0.42
117.333	0.00	0.20	0.607	O	|	|	|	|	0.42

117.417	0.00	0.20	0.605	O	|	|	|	|	0.42
117.500	0.00	0.20	0.604	O	|	|	|	|	0.42
117.583	0.00	0.20	0.603	O	|	|	|	|	0.42
117.667	0.00	0.19	0.601	O	|	|	|	|	0.41
117.750	0.00	0.19	0.600	O	|	|	|	|	0.41
117.833	0.00	0.19	0.598	O	|	|	|	|	0.41
117.917	0.00	0.19	0.597	O	|	|	|	|	0.41
118.000	0.00	0.19	0.596	O	|	|	|	|	0.41
118.083	0.00	0.19	0.594	O	|	|	|	|	0.41
118.167	0.00	0.19	0.593	O	|	|	|	|	0.41
118.250	0.00	0.19	0.592	O	|	|	|	|	0.41
118.333	0.00	0.19	0.591	O	|	|	|	|	0.41
118.417	0.00	0.19	0.589	O	|	|	|	|	0.41
118.500	0.00	0.19	0.588	O	|	|	|	|	0.41
118.583	0.00	0.19	0.587	O	|	|	|	|	0.40
118.667	0.00	0.19	0.585	O	|	|	|	|	0.40
118.750	0.00	0.19	0.584	O	|	|	|	|	0.40
118.833	0.00	0.19	0.583	O	|	|	|	|	0.40
118.917	0.00	0.19	0.581	O	|	|	|	|	0.40
119.000	0.00	0.19	0.580	O	|	|	|	|	0.40
119.083	0.00	0.19	0.579	O	|	|	|	|	0.40
119.167	0.00	0.19	0.577	O	|	|	|	|	0.40
119.250	0.00	0.19	0.576	O	|	|	|	|	0.40
119.333	0.00	0.19	0.575	O	|	|	|	|	0.40
119.417	0.00	0.19	0.574	O	|	|	|	|	0.40
119.500	0.00	0.19	0.572	O	|	|	|	|	0.39
119.583	0.00	0.19	0.571	O	|	|	|	|	0.39
119.667	0.00	0.18	0.570	O	|	|	|	|	0.39
119.750	0.00	0.18	0.569	O	|	|	|	|	0.39
119.833	0.00	0.18	0.567	O	|	|	|	|	0.39
119.917	0.00	0.18	0.566	O	|	|	|	|	0.39
120.000	0.00	0.18	0.565	O	|	|	|	|	0.39
120.083	0.00	0.18	0.563	O	|	|	|	|	0.39
120.167	0.00	0.18	0.562	O	|	|	|	|	0.39
120.250	0.00	0.18	0.561	O	|	|	|	|	0.39
120.333	0.00	0.18	0.560	O	|	|	|	|	0.39
120.417	0.00	0.18	0.558	O	|	|	|	|	0.39
120.500	0.00	0.18	0.557	O	|	|	|	|	0.38
120.583	0.00	0.18	0.556	O	|	|	|	|	0.38
120.667	0.00	0.18	0.555	O	|	|	|	|	0.38
120.750	0.00	0.18	0.554	O	|	|	|	|	0.38
120.833	0.00	0.18	0.552	O	|	|	|	|	0.38
120.917	0.00	0.18	0.551	O	|	|	|	|	0.38
121.000	0.00	0.18	0.550	O	|	|	|	|	0.38
121.083	0.00	0.18	0.549	O	|	|	|	|	0.38
121.167	0.00	0.18	0.547	O	|	|	|	|	0.38
121.250	0.00	0.18	0.546	O	|	|	|	|	0.38
121.333	0.00	0.18	0.545	O	|	|	|	|	0.38
121.417	0.00	0.18	0.544	O	|	|	|	|	0.37
121.500	0.00	0.18	0.543	O	|	|	|	|	0.37
121.583	0.00	0.18	0.541	O	|	|	|	|	0.37
121.667	0.00	0.18	0.540	O	|	|	|	|	0.37
121.750	0.00	0.17	0.539	O	|	|	|	|	0.37
121.833	0.00	0.17	0.538	O	|	|	|	|	0.37
121.917	0.00	0.17	0.536	O	|	|	|	|	0.37
122.000	0.00	0.17	0.535	O	|	|	|	|	0.37
122.083	0.00	0.17	0.534	O	|	|	|	|	0.37
122.167	0.00	0.17	0.533	O	|	|	|	|	0.37
122.250	0.00	0.17	0.532	O	|	|	|	|	0.37
122.333	0.00	0.17	0.531	O	|	|	|	|	0.37
122.417	0.00	0.17	0.529	O	|	|	|	|	0.37
122.500	0.00	0.17	0.528	O	|	|	|	|	0.36
122.583	0.00	0.17	0.527	O	|	|	|	|	0.36
122.667	0.00	0.17	0.526	O	|	|	|	|	0.36
122.750	0.00	0.17	0.525	O	|	|	|	|	0.36
122.833	0.00	0.17	0.523	O	|	|	|	|	0.36
122.917	0.00	0.17	0.522	O	|	|	|	|	0.36

123.000	0.00	0.17	0.521	O	|	|	|	0.36
123.083	0.00	0.17	0.520	O	|	|	|	0.36
123.167	0.00	0.17	0.519	O	|	|	|	0.36
123.250	0.00	0.17	0.518	O	|	|	|	0.36
123.333	0.00	0.17	0.517	O	|	|	|	0.36
123.417	0.00	0.17	0.515	O	|	|	|	0.36
123.500	0.00	0.17	0.514	O	|	|	|	0.35
123.583	0.00	0.17	0.513	O	|	|	|	0.35
123.667	0.00	0.17	0.512	O	|	|	|	0.35
123.750	0.00	0.17	0.511	O	|	|	|	0.35
123.833	0.00	0.17	0.510	O	|	|	|	0.35
123.917	0.00	0.16	0.508	O	|	|	|	0.35
124.000	0.00	0.16	0.507	O	|	|	|	0.35
124.083	0.00	0.16	0.506	O	|	|	|	0.35
124.167	0.00	0.16	0.505	O	|	|	|	0.35
124.250	0.00	0.16	0.504	O	|	|	|	0.35
124.333	0.00	0.16	0.503	O	|	|	|	0.35
124.417	0.00	0.16	0.502	O	|	|	|	0.35
124.500	0.00	0.16	0.501	O	|	|	|	0.35
124.583	0.00	0.16	0.499	O	|	|	|	0.34
124.667	0.00	0.16	0.498	O	|	|	|	0.34
124.750	0.00	0.16	0.497	O	|	|	|	0.34
124.833	0.00	0.16	0.496	O	|	|	|	0.34
124.917	0.00	0.16	0.495	O	|	|	|	0.34
125.000	0.00	0.16	0.494	O	|	|	|	0.34
125.083	0.00	0.16	0.493	O	|	|	|	0.34
125.167	0.00	0.16	0.492	O	|	|	|	0.34
125.250	0.00	0.16	0.491	O	|	|	|	0.34
125.333	0.00	0.16	0.490	O	|	|	|	0.34
125.417	0.00	0.16	0.488	O	|	|	|	0.34
125.500	0.00	0.16	0.487	O	|	|	|	0.34
125.583	0.00	0.16	0.486	O	|	|	|	0.34
125.667	0.00	0.16	0.485	O	|	|	|	0.33
125.750	0.00	0.16	0.484	O	|	|	|	0.33
125.833	0.00	0.16	0.483	O	|	|	|	0.33
125.917	0.00	0.16	0.482	O	|	|	|	0.33
126.000	0.00	0.16	0.481	O	|	|	|	0.33
126.083	0.00	0.16	0.480	O	|	|	|	0.33
126.167	0.00	0.16	0.479	O	|	|	|	0.33
126.250	0.00	0.15	0.478	O	|	|	|	0.33
126.333	0.00	0.15	0.477	O	|	|	|	0.33
126.417	0.00	0.15	0.476	O	|	|	|	0.33
126.500	0.00	0.15	0.474	O	|	|	|	0.33
126.583	0.00	0.15	0.473	O	|	|	|	0.33
126.667	0.00	0.15	0.472	O	|	|	|	0.33
126.750	0.00	0.15	0.471	O	|	|	|	0.33
126.833	0.00	0.15	0.470	O	|	|	|	0.32
126.917	0.00	0.15	0.469	O	|	|	|	0.32
127.000	0.00	0.15	0.468	O	|	|	|	0.32
127.083	0.00	0.15	0.467	O	|	|	|	0.32
127.167	0.00	0.15	0.466	O	|	|	|	0.32
127.250	0.00	0.15	0.465	O	|	|	|	0.32
127.333	0.00	0.15	0.464	O	|	|	|	0.32
127.417	0.00	0.15	0.463	O	|	|	|	0.32
127.500	0.00	0.15	0.462	O	|	|	|	0.32
127.583	0.00	0.15	0.461	O	|	|	|	0.32
127.667	0.00	0.15	0.460	O	|	|	|	0.32
127.750	0.00	0.15	0.459	O	|	|	|	0.32
127.833	0.00	0.15	0.458	O	|	|	|	0.32
127.917	0.00	0.15	0.457	O	|	|	|	0.32
128.000	0.00	0.15	0.456	O	|	|	|	0.31
128.083	0.00	0.15	0.455	O	|	|	|	0.31
128.167	0.00	0.15	0.454	O	|	|	|	0.31
128.250	0.00	0.15	0.453	O	|	|	|	0.31
128.333	0.00	0.15	0.452	O	|	|	|	0.31
128.417	0.00	0.15	0.451	O	|	|	|	0.31
128.500	0.00	0.15	0.450	O	|	|	|	0.31

128.583	0.00	0.15	0.449	O	|	|	|	|	0.31
128.667	0.00	0.15	0.448	O	|	|	|	|	0.31
128.750	0.00	0.14	0.447	O	|	|	|	|	0.31
128.833	0.00	0.14	0.446	O	|	|	|	|	0.31
128.917	0.00	0.14	0.445	O	|	|	|	|	0.31
129.000	0.00	0.14	0.444	O	|	|	|	|	0.31
129.083	0.00	0.14	0.443	O	|	|	|	|	0.31
129.167	0.00	0.14	0.442	O	|	|	|	|	0.30
129.250	0.00	0.14	0.441	O	|	|	|	|	0.30
129.333	0.00	0.14	0.440	O	|	|	|	|	0.30
129.417	0.00	0.14	0.439	O	|	|	|	|	0.30
129.500	0.00	0.14	0.438	O	|	|	|	|	0.30
129.583	0.00	0.14	0.437	O	|	|	|	|	0.30
129.667	0.00	0.14	0.436	O	|	|	|	|	0.30
129.750	0.00	0.14	0.435	O	|	|	|	|	0.30
129.833	0.00	0.14	0.434	O	|	|	|	|	0.30
129.917	0.00	0.14	0.433	O	|	|	|	|	0.30
130.000	0.00	0.14	0.432	O	|	|	|	|	0.30
130.083	0.00	0.14	0.431	O	|	|	|	|	0.30
130.167	0.00	0.14	0.430	O	|	|	|	|	0.30
130.250	0.00	0.14	0.429	O	|	|	|	|	0.30
130.333	0.00	0.14	0.428	O	|	|	|	|	0.30
130.417	0.00	0.14	0.427	O	|	|	|	|	0.29
130.500	0.00	0.14	0.426	O	|	|	|	|	0.29
130.583	0.00	0.14	0.425	O	|	|	|	|	0.29
130.667	0.00	0.14	0.424	O	|	|	|	|	0.29
130.750	0.00	0.14	0.423	O	|	|	|	|	0.29
130.833	0.00	0.14	0.422	O	|	|	|	|	0.29
130.917	0.00	0.14	0.422	O	|	|	|	|	0.29
131.000	0.00	0.14	0.421	O	|	|	|	|	0.29
131.083	0.00	0.14	0.420	O	|	|	|	|	0.29
131.167	0.00	0.14	0.419	O	|	|	|	|	0.29
131.250	0.00	0.14	0.418	O	|	|	|	|	0.29
131.333	0.00	0.14	0.417	O	|	|	|	|	0.29
131.417	0.00	0.13	0.416	O	|	|	|	|	0.29
131.500	0.00	0.13	0.415	O	|	|	|	|	0.29
131.583	0.00	0.13	0.414	O	|	|	|	|	0.29
131.667	0.00	0.13	0.413	O	|	|	|	|	0.28
131.750	0.00	0.13	0.412	O	|	|	|	|	0.28
131.833	0.00	0.13	0.411	O	|	|	|	|	0.28
131.917	0.00	0.13	0.410	O	|	|	|	|	0.28
132.000	0.00	0.13	0.409	O	|	|	|	|	0.28
132.083	0.00	0.13	0.409	O	|	|	|	|	0.28
132.167	0.00	0.13	0.408	O	|	|	|	|	0.28
132.250	0.00	0.13	0.407	O	|	|	|	|	0.28
132.333	0.00	0.13	0.406	O	|	|	|	|	0.28
132.417	0.00	0.13	0.405	O	|	|	|	|	0.28
132.500	0.00	0.13	0.404	O	|	|	|	|	0.28
132.583	0.00	0.13	0.403	O	|	|	|	|	0.28
132.667	0.00	0.13	0.402	O	|	|	|	|	0.28
132.750	0.00	0.13	0.401	O	|	|	|	|	0.28
132.833	0.00	0.13	0.400	O	|	|	|	|	0.28
132.917	0.00	0.13	0.400	O	|	|	|	|	0.28
133.000	0.00	0.13	0.399	O	|	|	|	|	0.27
133.083	0.00	0.13	0.398	O	|	|	|	|	0.27
133.167	0.00	0.13	0.397	O	|	|	|	|	0.27
133.250	0.00	0.13	0.396	O	|	|	|	|	0.27
133.333	0.00	0.13	0.395	O	|	|	|	|	0.27
133.417	0.00	0.13	0.394	O	|	|	|	|	0.27
133.500	0.00	0.13	0.393	O	|	|	|	|	0.27
133.583	0.00	0.13	0.392	O	|	|	|	|	0.27
133.667	0.00	0.13	0.392	O	|	|	|	|	0.27
133.750	0.00	0.13	0.391	O	|	|	|	|	0.27
133.833	0.00	0.13	0.390	O	|	|	|	|	0.27
133.917	0.00	0.13	0.389	O	|	|	|	|	0.27
134.000	0.00	0.13	0.388	O	|	|	|	|	0.27
134.083	0.00	0.13	0.387	O	|	|	|	|	0.27

134.167	0.00	0.13	0.386	O	|	|	|	|	0.27
134.250	0.00	0.12	0.386	O	|	|	|	|	0.27
134.333	0.00	0.12	0.385	O	|	|	|	|	0.27
134.417	0.00	0.12	0.384	O	|	|	|	|	0.26
134.500	0.00	0.12	0.383	O	|	|	|	|	0.26
134.583	0.00	0.12	0.382	O	|	|	|	|	0.26
134.667	0.00	0.12	0.381	O	|	|	|	|	0.26
134.750	0.00	0.12	0.380	O	|	|	|	|	0.26
134.833	0.00	0.12	0.380	O	|	|	|	|	0.26
134.917	0.00	0.12	0.379	O	|	|	|	|	0.26
135.000	0.00	0.12	0.378	O	|	|	|	|	0.26
135.083	0.00	0.12	0.377	O	|	|	|	|	0.26
135.167	0.00	0.12	0.376	O	|	|	|	|	0.26
135.250	0.00	0.12	0.375	O	|	|	|	|	0.26
135.333	0.00	0.12	0.375	O	|	|	|	|	0.26
135.417	0.00	0.12	0.374	O	|	|	|	|	0.26
135.500	0.00	0.12	0.373	O	|	|	|	|	0.26
135.583	0.00	0.12	0.372	O	|	|	|	|	0.26
135.667	0.00	0.12	0.371	O	|	|	|	|	0.26
135.750	0.00	0.12	0.370	O	|	|	|	|	0.26
135.833	0.00	0.12	0.370	O	|	|	|	|	0.25
135.917	0.00	0.12	0.369	O	|	|	|	|	0.25
136.000	0.00	0.12	0.368	O	|	|	|	|	0.25
136.083	0.00	0.12	0.367	O	|	|	|	|	0.25
136.167	0.00	0.12	0.366	O	|	|	|	|	0.25
136.250	0.00	0.12	0.365	O	|	|	|	|	0.25
136.333	0.00	0.12	0.365	O	|	|	|	|	0.25
136.417	0.00	0.12	0.364	O	|	|	|	|	0.25
136.500	0.00	0.12	0.363	O	|	|	|	|	0.25
136.583	0.00	0.12	0.362	O	|	|	|	|	0.25
136.667	0.00	0.12	0.361	O	|	|	|	|	0.25
136.750	0.00	0.12	0.361	O	|	|	|	|	0.25
136.833	0.00	0.12	0.360	O	|	|	|	|	0.25
136.917	0.00	0.12	0.359	O	|	|	|	|	0.25
137.000	0.00	0.12	0.358	O	|	|	|	|	0.25
137.083	0.00	0.12	0.357	O	|	|	|	|	0.25
137.167	0.00	0.12	0.357	O	|	|	|	|	0.25
137.250	0.00	0.12	0.356	O	|	|	|	|	0.25
137.333	0.00	0.12	0.355	O	|	|	|	|	0.24
137.417	0.00	0.11	0.354	O	|	|	|	|	0.24
137.500	0.00	0.11	0.353	O	|	|	|	|	0.24
137.583	0.00	0.11	0.353	O	|	|	|	|	0.24
137.667	0.00	0.11	0.352	O	|	|	|	|	0.24
137.750	0.00	0.11	0.351	O	|	|	|	|	0.24
137.833	0.00	0.11	0.350	O	|	|	|	|	0.24
137.917	0.00	0.11	0.349	O	|	|	|	|	0.24
138.000	0.00	0.11	0.349	O	|	|	|	|	0.24
138.083	0.00	0.11	0.348	O	|	|	|	|	0.24
138.167	0.00	0.11	0.347	O	|	|	|	|	0.24
138.250	0.00	0.11	0.346	O	|	|	|	|	0.24
138.333	0.00	0.11	0.346	O	|	|	|	|	0.24
138.417	0.00	0.11	0.345	O	|	|	|	|	0.24
138.500	0.00	0.11	0.344	O	|	|	|	|	0.24
138.583	0.00	0.11	0.343	O	|	|	|	|	0.24
138.667	0.00	0.11	0.343	O	|	|	|	|	0.24
138.750	0.00	0.11	0.342	O	|	|	|	|	0.24
138.833	0.00	0.11	0.341	O	|	|	|	|	0.24
138.917	0.00	0.11	0.340	O	|	|	|	|	0.23
139.000	0.00	0.11	0.339	O	|	|	|	|	0.23
139.083	0.00	0.11	0.339	O	|	|	|	|	0.23
139.167	0.00	0.11	0.338	O	|	|	|	|	0.23
139.250	0.00	0.11	0.337	O	|	|	|	|	0.23
139.333	0.00	0.11	0.336	O	|	|	|	|	0.23
139.417	0.00	0.11	0.336	O	|	|	|	|	0.23
139.500	0.00	0.11	0.335	O	|	|	|	|	0.23
139.583	0.00	0.11	0.334	O	|	|	|	|	0.23
139.667	0.00	0.11	0.333	O	|	|	|	|	0.23

139.750	0.00	0.11	0.333	O	|	|	|	|	0.23
139.833	0.00	0.11	0.332	O	|	|	|	|	0.23
139.917	0.00	0.11	0.331	O	|	|	|	|	0.23
140.000	0.00	0.11	0.330	O	|	|	|	|	0.23
140.083	0.00	0.11	0.330	O	|	|	|	|	0.23
140.167	0.00	0.11	0.329	O	|	|	|	|	0.23
140.250	0.00	0.11	0.328	O	|	|	|	|	0.23
140.333	0.00	0.11	0.328	O	|	|	|	|	0.23
140.417	0.00	0.11	0.327	O	|	|	|	|	0.23
140.500	0.00	0.11	0.326	O	|	|	|	|	0.22
140.583	0.00	0.11	0.325	O	|	|	|	|	0.22
140.667	0.00	0.11	0.325	O	|	|	|	|	0.22
140.750	0.00	0.10	0.324	O	|	|	|	|	0.22
140.833	0.00	0.10	0.323	O	|	|	|	|	0.22
140.917	0.00	0.10	0.322	O	|	|	|	|	0.22
141.000	0.00	0.10	0.322	O	|	|	|	|	0.22
141.083	0.00	0.10	0.321	O	|	|	|	|	0.22
141.167	0.00	0.10	0.320	O	|	|	|	|	0.22
141.250	0.00	0.10	0.320	O	|	|	|	|	0.22
141.333	0.00	0.10	0.319	O	|	|	|	|	0.22
141.417	0.00	0.10	0.318	O	|	|	|	|	0.22
141.500	0.00	0.10	0.317	O	|	|	|	|	0.22
141.583	0.00	0.10	0.317	O	|	|	|	|	0.22
141.667	0.00	0.10	0.316	O	|	|	|	|	0.22
141.750	0.00	0.10	0.315	O	|	|	|	|	0.22
141.833	0.00	0.10	0.315	O	|	|	|	|	0.22
141.917	0.00	0.10	0.314	O	|	|	|	|	0.22
142.000	0.00	0.10	0.313	O	|	|	|	|	0.22
142.083	0.00	0.10	0.313	O	|	|	|	|	0.22
142.167	0.00	0.10	0.312	O	|	|	|	|	0.22
142.250	0.00	0.10	0.311	O	|	|	|	|	0.21
142.333	0.00	0.10	0.310	O	|	|	|	|	0.21
142.417	0.00	0.10	0.310	O	|	|	|	|	0.21
142.500	0.00	0.10	0.309	O	|	|	|	|	0.21
142.583	0.00	0.10	0.308	O	|	|	|	|	0.21
142.667	0.00	0.10	0.308	O	|	|	|	|	0.21
142.750	0.00	0.10	0.307	O	|	|	|	|	0.21
142.833	0.00	0.10	0.306	O	|	|	|	|	0.21
142.917	0.00	0.10	0.306	O	|	|	|	|	0.21
143.000	0.00	0.10	0.305	O	|	|	|	|	0.21
143.083	0.00	0.10	0.304	O	|	|	|	|	0.21
143.167	0.00	0.10	0.304	O	|	|	|	|	0.21
143.250	0.00	0.10	0.303	O	|	|	|	|	0.21
143.333	0.00	0.10	0.302	O	|	|	|	|	0.21
143.417	0.00	0.10	0.302	O	|	|	|	|	0.21
143.500	0.00	0.10	0.301	O	|	|	|	|	0.21
143.583	0.00	0.10	0.300	O	|	|	|	|	0.21
143.667	0.00	0.10	0.300	O	|	|	|	|	0.21
143.750	0.00	0.10	0.299	O	|	|	|	|	0.21
143.833	0.00	0.10	0.298	O	|	|	|	|	0.21
143.917	0.00	0.10	0.298	O	|	|	|	|	0.21
144.000	0.00	0.10	0.297	O	|	|	|	|	0.20
144.083	0.00	0.10	0.296	O	|	|	|	|	0.20
144.167	0.00	0.10	0.296	O	|	|	|	|	0.20
144.250	0.00	0.10	0.295	O	|	|	|	|	0.20
144.333	0.00	0.10	0.294	O	|	|	|	|	0.20
144.417	0.00	0.10	0.294	O	|	|	|	|	0.20
144.500	0.00	0.09	0.293	O	|	|	|	|	0.20
144.583	0.00	0.09	0.292	O	|	|	|	|	0.20
144.667	0.00	0.09	0.292	O	|	|	|	|	0.20
144.750	0.00	0.09	0.291	O	|	|	|	|	0.20
144.833	0.00	0.09	0.290	O	|	|	|	|	0.20
144.917	0.00	0.09	0.290	O	|	|	|	|	0.20
145.000	0.00	0.09	0.289	O	|	|	|	|	0.20
145.083	0.00	0.09	0.288	O	|	|	|	|	0.20
145.167	0.00	0.09	0.288	O	|	|	|	|	0.20
145.250	0.00	0.09	0.287	O	|	|	|	|	0.20

145.333	0.00	0.09	0.286	O	|	|	|	|	0.20
145.417	0.00	0.09	0.286	O	|	|	|	|	0.20
145.500	0.00	0.09	0.285	O	|	|	|	|	0.20
145.583	0.00	0.09	0.285	O	|	|	|	|	0.20
145.667	0.00	0.09	0.284	O	|	|	|	|	0.20
145.750	0.00	0.09	0.283	O	|	|	|	|	0.20
145.833	0.00	0.09	0.283	O	|	|	|	|	0.19
145.917	0.00	0.09	0.282	O	|	|	|	|	0.19
146.000	0.00	0.09	0.281	O	|	|	|	|	0.19
146.083	0.00	0.09	0.281	O	|	|	|	|	0.19
146.167	0.00	0.09	0.280	O	|	|	|	|	0.19
146.250	0.00	0.09	0.280	O	|	|	|	|	0.19
146.333	0.00	0.09	0.279	O	|	|	|	|	0.19
146.417	0.00	0.09	0.278	O	|	|	|	|	0.19
146.500	0.00	0.09	0.278	O	|	|	|	|	0.19
146.583	0.00	0.09	0.277	O	|	|	|	|	0.19
146.667	0.00	0.09	0.276	O	|	|	|	|	0.19
146.750	0.00	0.09	0.276	O	|	|	|	|	0.19
146.833	0.00	0.09	0.275	O	|	|	|	|	0.19
146.917	0.00	0.09	0.275	O	|	|	|	|	0.19
147.000	0.00	0.09	0.274	O	|	|	|	|	0.19
147.083	0.00	0.09	0.273	O	|	|	|	|	0.19
147.167	0.00	0.09	0.273	O	|	|	|	|	0.19
147.250	0.00	0.09	0.272	O	|	|	|	|	0.19
147.333	0.00	0.09	0.272	O	|	|	|	|	0.19
147.417	0.00	0.09	0.271	O	|	|	|	|	0.19
147.500	0.00	0.09	0.270	O	|	|	|	|	0.19
147.583	0.00	0.09	0.270	O	|	|	|	|	0.19
147.667	0.00	0.09	0.269	O	|	|	|	|	0.19
147.750	0.00	0.09	0.269	O	|	|	|	|	0.19
147.833	0.00	0.09	0.268	O	|	|	|	|	0.18
147.917	0.00	0.09	0.267	O	|	|	|	|	0.18
148.000	0.00	0.09	0.267	O	|	|	|	|	0.18
148.083	0.00	0.09	0.266	O	|	|	|	|	0.18
148.167	0.00	0.09	0.266	O	|	|	|	|	0.18
148.250	0.00	0.09	0.265	O	|	|	|	|	0.18
148.333	0.00	0.09	0.264	O	|	|	|	|	0.18
148.417	0.00	0.09	0.264	O	|	|	|	|	0.18
148.500	0.00	0.09	0.263	O	|	|	|	|	0.18
148.583	0.00	0.09	0.263	O	|	|	|	|	0.18
148.667	0.00	0.08	0.262	O	|	|	|	|	0.18
148.750	0.00	0.08	0.261	O	|	|	|	|	0.18
148.833	0.00	0.08	0.261	O	|	|	|	|	0.18
148.917	0.00	0.08	0.260	O	|	|	|	|	0.18
149.000	0.00	0.08	0.260	O	|	|	|	|	0.18
149.083	0.00	0.08	0.259	O	|	|	|	|	0.18
149.167	0.00	0.08	0.259	O	|	|	|	|	0.18
149.250	0.00	0.08	0.258	O	|	|	|	|	0.18
149.333	0.00	0.08	0.257	O	|	|	|	|	0.18
149.417	0.00	0.08	0.257	O	|	|	|	|	0.18
149.500	0.00	0.08	0.256	O	|	|	|	|	0.18
149.583	0.00	0.08	0.256	O	|	|	|	|	0.18
149.667	0.00	0.08	0.255	O	|	|	|	|	0.18
149.750	0.00	0.08	0.255	O	|	|	|	|	0.18
149.833	0.00	0.08	0.254	O	|	|	|	|	0.18
149.917	0.00	0.08	0.253	O	|	|	|	|	0.17
150.000	0.00	0.08	0.253	O	|	|	|	|	0.17
150.083	0.00	0.08	0.252	O	|	|	|	|	0.17
150.167	0.00	0.08	0.252	O	|	|	|	|	0.17
150.250	0.00	0.08	0.251	O	|	|	|	|	0.17
150.333	0.00	0.08	0.251	O	|	|	|	|	0.17
150.417	0.00	0.08	0.250	O	|	|	|	|	0.17
150.500	0.00	0.08	0.249	O	|	|	|	|	0.17
150.583	0.00	0.08	0.249	O	|	|	|	|	0.17
150.667	0.00	0.08	0.248	O	|	|	|	|	0.17
150.750	0.00	0.08	0.248	O	|	|	|	|	0.17
150.833	0.00	0.08	0.247	O	|	|	|	|	0.17

150.917	0.00	0.08	0.247	O	|	|	|	|	0.17
151.000	0.00	0.08	0.246	O	|	|	|	|	0.17
151.083	0.00	0.08	0.246	O	|	|	|	|	0.17
151.167	0.00	0.08	0.245	O	|	|	|	|	0.17
151.250	0.00	0.08	0.245	O	|	|	|	|	0.17
151.333	0.00	0.08	0.244	O	|	|	|	|	0.17
151.417	0.00	0.08	0.243	O	|	|	|	|	0.17
151.500	0.00	0.08	0.243	O	|	|	|	|	0.17
151.583	0.00	0.08	0.242	O	|	|	|	|	0.17
151.667	0.00	0.08	0.242	O	|	|	|	|	0.17
151.750	0.00	0.08	0.241	O	|	|	|	|	0.17
151.833	0.00	0.08	0.241	O	|	|	|	|	0.17
151.917	0.00	0.08	0.240	O	|	|	|	|	0.17
152.000	0.00	0.08	0.240	O	|	|	|	|	0.17
152.083	0.00	0.08	0.239	O	|	|	|	|	0.16
152.167	0.00	0.08	0.239	O	|	|	|	|	0.16
152.250	0.00	0.08	0.238	O	|	|	|	|	0.16
152.333	0.00	0.08	0.238	O	|	|	|	|	0.16
152.417	0.00	0.08	0.237	O	|	|	|	|	0.16
152.500	0.00	0.08	0.236	O	|	|	|	|	0.16
152.583	0.00	0.08	0.236	O	|	|	|	|	0.16
152.667	0.00	0.08	0.235	O	|	|	|	|	0.16
152.750	0.00	0.08	0.235	O	|	|	|	|	0.16
152.833	0.00	0.08	0.234	O	|	|	|	|	0.16
152.917	0.00	0.08	0.234	O	|	|	|	|	0.16
153.000	0.00	0.08	0.233	O	|	|	|	|	0.16
153.083	0.00	0.08	0.233	O	|	|	|	|	0.16
153.167	0.00	0.08	0.232	O	|	|	|	|	0.16
153.250	0.00	0.08	0.232	O	|	|	|	|	0.16
153.333	0.00	0.07	0.231	O	|	|	|	|	0.16
153.417	0.00	0.07	0.231	O	|	|	|	|	0.16
153.500	0.00	0.07	0.230	O	|	|	|	|	0.16
153.583	0.00	0.07	0.230	O	|	|	|	|	0.16
153.667	0.00	0.07	0.229	O	|	|	|	|	0.16
153.750	0.00	0.07	0.229	O	|	|	|	|	0.16
153.833	0.00	0.07	0.228	O	|	|	|	|	0.16
153.917	0.00	0.07	0.228	O	|	|	|	|	0.16
154.000	0.00	0.07	0.227	O	|	|	|	|	0.16
154.083	0.00	0.07	0.227	O	|	|	|	|	0.16
154.167	0.00	0.07	0.226	O	|	|	|	|	0.16
154.250	0.00	0.07	0.226	O	|	|	|	|	0.16
154.333	0.00	0.07	0.225	O	|	|	|	|	0.16
154.417	0.00	0.07	0.225	O	|	|	|	|	0.15
154.500	0.00	0.07	0.224	O	|	|	|	|	0.15
154.583	0.00	0.07	0.224	O	|	|	|	|	0.15
154.667	0.00	0.07	0.223	O	|	|	|	|	0.15
154.750	0.00	0.07	0.223	O	|	|	|	|	0.15
154.833	0.00	0.07	0.222	O	|	|	|	|	0.15
154.917	0.00	0.07	0.222	O	|	|	|	|	0.15
155.000	0.00	0.07	0.221	O	|	|	|	|	0.15
155.083	0.00	0.07	0.221	O	|	|	|	|	0.15
155.167	0.00	0.07	0.220	O	|	|	|	|	0.15
155.250	0.00	0.07	0.220	O	|	|	|	|	0.15
155.333	0.00	0.07	0.219	O	|	|	|	|	0.15
155.417	0.00	0.07	0.219	O	|	|	|	|	0.15
155.500	0.00	0.07	0.218	O	|	|	|	|	0.15
155.583	0.00	0.07	0.218	O	|	|	|	|	0.15
155.667	0.00	0.07	0.217	O	|	|	|	|	0.15
155.750	0.00	0.07	0.217	O	|	|	|	|	0.15
155.833	0.00	0.07	0.216	O	|	|	|	|	0.15
155.917	0.00	0.07	0.216	O	|	|	|	|	0.15
156.000	0.00	0.07	0.215	O	|	|	|	|	0.15
156.083	0.00	0.07	0.215	O	|	|	|	|	0.15
156.167	0.00	0.07	0.214	O	|	|	|	|	0.15
156.250	0.00	0.07	0.214	O	|	|	|	|	0.15
156.333	0.00	0.07	0.213	O	|	|	|	|	0.15
156.417	0.00	0.07	0.213	O	|	|	|	|	0.15

156.500	0.00	0.07	0.212	O	|	|	|	|	0.15
156.583	0.00	0.07	0.212	O	|	|	|	|	0.15
156.667	0.00	0.07	0.211	O	|	|	|	|	0.15
156.750	0.00	0.07	0.211	O	|	|	|	|	0.15
156.833	0.00	0.07	0.211	O	|	|	|	|	0.15
156.917	0.00	0.07	0.210	O	|	|	|	|	0.14
157.000	0.00	0.07	0.210	O	|	|	|	|	0.14
157.083	0.00	0.07	0.209	O	|	|	|	|	0.14
157.167	0.00	0.07	0.209	O	|	|	|	|	0.14
157.250	0.00	0.07	0.208	O	|	|	|	|	0.14
157.333	0.00	0.07	0.208	O	|	|	|	|	0.14
157.417	0.00	0.07	0.207	O	|	|	|	|	0.14
157.500	0.00	0.07	0.207	O	|	|	|	|	0.14
157.583	0.00	0.07	0.206	O	|	|	|	|	0.14
157.667	0.00	0.07	0.206	O	|	|	|	|	0.14
157.750	0.00	0.07	0.205	O	|	|	|	|	0.14
157.833	0.00	0.07	0.205	O	|	|	|	|	0.14
157.917	0.00	0.07	0.205	O	|	|	|	|	0.14
158.000	0.00	0.07	0.204	O	|	|	|	|	0.14
158.083	0.00	0.07	0.204	O	|	|	|	|	0.14
158.167	0.00	0.07	0.203	O	|	|	|	|	0.14
158.250	0.00	0.07	0.203	O	|	|	|	|	0.14
158.333	0.00	0.07	0.202	O	|	|	|	|	0.14
158.417	0.00	0.07	0.202	O	|	|	|	|	0.14
158.500	0.00	0.07	0.201	O	|	|	|	|	0.14
158.583	0.00	0.07	0.201	O	|	|	|	|	0.14
158.667	0.00	0.06	0.200	O	|	|	|	|	0.14
158.750	0.00	0.06	0.200	O	|	|	|	|	0.14
158.833	0.00	0.06	0.200	O	|	|	|	|	0.14
158.917	0.00	0.06	0.199	O	|	|	|	|	0.14
159.000	0.00	0.06	0.199	O	|	|	|	|	0.14
159.083	0.00	0.06	0.198	O	|	|	|	|	0.14
159.167	0.00	0.06	0.198	O	|	|	|	|	0.14
159.250	0.00	0.06	0.197	O	|	|	|	|	0.14
159.333	0.00	0.06	0.197	O	|	|	|	|	0.14
159.417	0.00	0.06	0.196	O	|	|	|	|	0.14
159.500	0.00	0.06	0.196	O	|	|	|	|	0.14
159.583	0.00	0.06	0.196	O	|	|	|	|	0.13
159.667	0.00	0.06	0.195	O	|	|	|	|	0.13
159.750	0.00	0.06	0.195	O	|	|	|	|	0.13
159.833	0.00	0.06	0.194	O	|	|	|	|	0.13
159.917	0.00	0.06	0.194	O	|	|	|	|	0.13
160.000	0.00	0.06	0.193	O	|	|	|	|	0.13
160.083	0.00	0.06	0.193	O	|	|	|	|	0.13
160.167	0.00	0.06	0.193	O	|	|	|	|	0.13
160.250	0.00	0.06	0.192	O	|	|	|	|	0.13
160.333	0.00	0.06	0.192	O	|	|	|	|	0.13
160.417	0.00	0.06	0.191	O	|	|	|	|	0.13
160.500	0.00	0.06	0.191	O	|	|	|	|	0.13
160.583	0.00	0.06	0.190	O	|	|	|	|	0.13
160.667	0.00	0.06	0.190	O	|	|	|	|	0.13
160.750	0.00	0.06	0.190	O	|	|	|	|	0.13
160.833	0.00	0.06	0.189	O	|	|	|	|	0.13
160.917	0.00	0.06	0.189	O	|	|	|	|	0.13
161.000	0.00	0.06	0.188	O	|	|	|	|	0.13
161.083	0.00	0.06	0.188	O	|	|	|	|	0.13
161.167	0.00	0.06	0.187	O	|	|	|	|	0.13
161.250	0.00	0.06	0.187	O	|	|	|	|	0.13
161.333	0.00	0.06	0.187	O	|	|	|	|	0.13
161.417	0.00	0.06	0.186	O	|	|	|	|	0.13
161.500	0.00	0.06	0.186	O	|	|	|	|	0.13
161.583	0.00	0.06	0.185	O	|	|	|	|	0.13
161.667	0.00	0.06	0.185	O	|	|	|	|	0.13
161.750	0.00	0.06	0.185	O	|	|	|	|	0.13
161.833	0.00	0.06	0.184	O	|	|	|	|	0.13
161.917	0.00	0.06	0.184	O	|	|	|	|	0.13
162.000	0.00	0.06	0.183	O	|	|	|	|	0.13

162.083	0.00	0.06	0.183	O	|	|	|	|	0.13
162.167	0.00	0.06	0.183	O	|	|	|	|	0.13
162.250	0.00	0.06	0.182	O	|	|	|	|	0.13
162.333	0.00	0.06	0.182	O	|	|	|	|	0.13
162.417	0.00	0.06	0.181	O	|	|	|	|	0.13
162.500	0.00	0.06	0.181	O	|	|	|	|	0.12
162.583	0.00	0.06	0.180	O	|	|	|	|	0.12
162.667	0.00	0.06	0.180	O	|	|	|	|	0.12
162.750	0.00	0.06	0.180	O	|	|	|	|	0.12
162.833	0.00	0.06	0.179	O	|	|	|	|	0.12
162.917	0.00	0.06	0.179	O	|	|	|	|	0.12
163.000	0.00	0.06	0.178	O	|	|	|	|	0.12
163.083	0.00	0.06	0.178	O	|	|	|	|	0.12
163.167	0.00	0.06	0.178	O	|	|	|	|	0.12
163.250	0.00	0.06	0.177	O	|	|	|	|	0.12
163.333	0.00	0.06	0.177	O	|	|	|	|	0.12
163.417	0.00	0.06	0.176	O	|	|	|	|	0.12
163.500	0.00	0.06	0.176	O	|	|	|	|	0.12
163.583	0.00	0.06	0.176	O	|	|	|	|	0.12
163.667	0.00	0.06	0.175	O	|	|	|	|	0.12
163.750	0.00	0.06	0.175	O	|	|	|	|	0.12
163.833	0.00	0.06	0.175	O	|	|	|	|	0.12
163.917	0.00	0.06	0.174	O	|	|	|	|	0.12
164.000	0.00	0.06	0.174	O	|	|	|	|	0.12
164.083	0.00	0.06	0.173	O	|	|	|	|	0.12
164.167	0.00	0.06	0.173	O	|	|	|	|	0.12
164.250	0.00	0.06	0.173	O	|	|	|	|	0.12
164.333	0.00	0.06	0.172	O	|	|	|	|	0.12
164.417	0.00	0.06	0.172	O	|	|	|	|	0.12
164.500	0.00	0.06	0.171	O	|	|	|	|	0.12
164.583	0.00	0.06	0.171	O	|	|	|	|	0.12
164.667	0.00	0.06	0.171	O	|	|	|	|	0.12
164.750	0.00	0.06	0.170	O	|	|	|	|	0.12
164.833	0.00	0.06	0.170	O	|	|	|	|	0.12
164.917	0.00	0.05	0.170	O	|	|	|	|	0.12
165.000	0.00	0.05	0.169	O	|	|	|	|	0.12
165.083	0.00	0.05	0.169	O	|	|	|	|	0.12
165.167	0.00	0.05	0.168	O	|	|	|	|	0.12
165.250	0.00	0.05	0.168	O	|	|	|	|	0.12
165.333	0.00	0.05	0.168	O	|	|	|	|	0.12
165.417	0.00	0.05	0.167	O	|	|	|	|	0.12
165.500	0.00	0.05	0.167	O	|	|	|	|	0.12
165.583	0.00	0.05	0.167	O	|	|	|	|	0.11
165.667	0.00	0.05	0.166	O	|	|	|	|	0.11
165.750	0.00	0.05	0.166	O	|	|	|	|	0.11
165.833	0.00	0.05	0.165	O	|	|	|	|	0.11
165.917	0.00	0.05	0.165	O	|	|	|	|	0.11
166.000	0.00	0.05	0.165	O	|	|	|	|	0.11
166.083	0.00	0.05	0.164	O	|	|	|	|	0.11
166.167	0.00	0.05	0.164	O	|	|	|	|	0.11
166.250	0.00	0.05	0.164	O	|	|	|	|	0.11
166.333	0.00	0.05	0.163	O	|	|	|	|	0.11
166.417	0.00	0.05	0.163	O	|	|	|	|	0.11
166.500	0.00	0.05	0.163	O	|	|	|	|	0.11
166.583	0.00	0.05	0.162	O	|	|	|	|	0.11
166.667	0.00	0.05	0.162	O	|	|	|	|	0.11
166.750	0.00	0.05	0.161	O	|	|	|	|	0.11
166.833	0.00	0.05	0.161	O	|	|	|	|	0.11
166.917	0.00	0.05	0.161	O	|	|	|	|	0.11
167.000	0.00	0.05	0.160	O	|	|	|	|	0.11
167.083	0.00	0.05	0.160	O	|	|	|	|	0.11
167.167	0.00	0.05	0.160	O	|	|	|	|	0.11
167.250	0.00	0.05	0.159	O	|	|	|	|	0.11
167.333	0.00	0.05	0.159	O	|	|	|	|	0.11
167.417	0.00	0.05	0.159	O	|	|	|	|	0.11
167.500	0.00	0.05	0.158	O	|	|	|	|	0.11
167.583	0.00	0.05	0.158	O	|	|	|	|	0.11

167.667	0.00	0.05	0.158	O	|	|	|	0.11
167.750	0.00	0.05	0.157	O	|	|	|	0.11
167.833	0.00	0.05	0.157	O	|	|	|	0.11
167.917	0.00	0.05	0.156	O	|	|	|	0.11
168.000	0.00	0.05	0.156	O	|	|	|	0.11
168.083	0.00	0.05	0.156	O	|	|	|	0.11
168.167	0.00	0.05	0.155	O	|	|	|	0.11
168.250	0.00	0.05	0.155	O	|	|	|	0.11
168.333	0.00	0.05	0.155	O	|	|	|	0.11
168.417	0.00	0.05	0.154	O	|	|	|	0.11
168.500	0.00	0.05	0.154	O	|	|	|	0.11
168.583	0.00	0.05	0.154	O	|	|	|	0.11
168.667	0.00	0.05	0.153	O	|	|	|	0.11
168.750	0.00	0.05	0.153	O	|	|	|	0.11
168.833	0.00	0.05	0.153	O	|	|	|	0.11
168.917	0.00	0.05	0.152	O	|	|	|	0.11
169.000	0.00	0.05	0.152	O	|	|	|	0.10
169.083	0.00	0.05	0.152	O	|	|	|	0.10
169.167	0.00	0.05	0.151	O	|	|	|	0.10
169.250	0.00	0.05	0.151	O	|	|	|	0.10
169.333	0.00	0.05	0.151	O	|	|	|	0.10
169.417	0.00	0.05	0.150	O	|	|	|	0.10
169.500	0.00	0.05	0.150	O	|	|	|	0.10
169.583	0.00	0.05	0.150	O	|	|	|	0.10
169.667	0.00	0.05	0.149	O	|	|	|	0.10
169.750	0.00	0.05	0.149	O	|	|	|	0.10
169.833	0.00	0.05	0.149	O	|	|	|	0.10
169.917	0.00	0.05	0.148	O	|	|	|	0.10
170.000	0.00	0.05	0.148	O	|	|	|	0.10
170.083	0.00	0.05	0.148	O	|	|	|	0.10
170.167	0.00	0.05	0.147	O	|	|	|	0.10
170.250	0.00	0.05	0.147	O	|	|	|	0.10
170.333	0.00	0.05	0.147	O	|	|	|	0.10
170.417	0.00	0.05	0.146	O	|	|	|	0.10
170.500	0.00	0.05	0.146	O	|	|	|	0.10
170.583	0.00	0.05	0.146	O	|	|	|	0.10
170.667	0.00	0.05	0.145	O	|	|	|	0.10
170.750	0.00	0.05	0.145	O	|	|	|	0.10
170.833	0.00	0.05	0.145	O	|	|	|	0.10
170.917	0.00	0.05	0.144	O	|	|	|	0.10
171.000	0.00	0.05	0.144	O	|	|	|	0.10
171.083	0.00	0.05	0.144	O	|	|	|	0.10
171.167	0.00	0.05	0.143	O	|	|	|	0.10
171.250	0.00	0.05	0.143	O	|	|	|	0.10
171.333	0.00	0.05	0.143	O	|	|	|	0.10
171.417	0.00	0.05	0.142	O	|	|	|	0.10
171.500	0.00	0.05	0.142	O	|	|	|	0.10
171.583	0.00	0.05	0.142	O	|	|	|	0.10
171.667	0.00	0.05	0.142	O	|	|	|	0.10
171.750	0.00	0.05	0.141	O	|	|	|	0.10
171.833	0.00	0.05	0.141	O	|	|	|	0.10
171.917	0.00	0.05	0.141	O	|	|	|	0.10
172.000	0.00	0.05	0.140	O	|	|	|	0.10
172.083	0.00	0.05	0.140	O	|	|	|	0.10
172.167	0.00	0.05	0.140	O	|	|	|	0.10
172.250	0.00	0.05	0.139	O	|	|	|	0.10
172.333	0.00	0.05	0.139	O	|	|	|	0.10
172.417	0.00	0.04	0.139	O	|	|	|	0.10
172.500	0.00	0.04	0.138	O	|	|	|	0.10
172.583	0.00	0.04	0.138	O	|	|	|	0.10
172.667	0.00	0.04	0.138	O	|	|	|	0.10
172.750	0.00	0.04	0.137	O	|	|	|	0.09
172.833	0.00	0.04	0.137	O	|	|	|	0.09
172.917	0.00	0.04	0.137	O	|	|	|	0.09
173.000	0.00	0.04	0.137	O	|	|	|	0.09
173.083	0.00	0.04	0.136	O	|	|	|	0.09
173.167	0.00	0.04	0.136	O	|	|	|	0.09

173.250	0.00	0.04	0.136	O	|	|	|	|	0.09
173.333	0.00	0.04	0.135	O	|	|	|	|	0.09
173.417	0.00	0.04	0.135	O	|	|	|	|	0.09
173.500	0.00	0.04	0.135	O	|	|	|	|	0.09
173.583	0.00	0.04	0.134	O	|	|	|	|	0.09
173.667	0.00	0.04	0.134	O	|	|	|	|	0.09
173.750	0.00	0.04	0.134	O	|	|	|	|	0.09
173.833	0.00	0.04	0.134	O	|	|	|	|	0.09
173.917	0.00	0.04	0.133	O	|	|	|	|	0.09
174.000	0.00	0.04	0.133	O	|	|	|	|	0.09
174.083	0.00	0.04	0.133	O	|	|	|	|	0.09
174.167	0.00	0.04	0.132	O	|	|	|	|	0.09
174.250	0.00	0.04	0.132	O	|	|	|	|	0.09
174.333	0.00	0.04	0.132	O	|	|	|	|	0.09
174.417	0.00	0.04	0.131	O	|	|	|	|	0.09
174.500	0.00	0.04	0.131	O	|	|	|	|	0.09
174.583	0.00	0.04	0.131	O	|	|	|	|	0.09
174.667	0.00	0.04	0.131	O	|	|	|	|	0.09
174.750	0.00	0.04	0.130	O	|	|	|	|	0.09
174.833	0.00	0.04	0.130	O	|	|	|	|	0.09
174.917	0.00	0.04	0.130	O	|	|	|	|	0.09
175.000	0.00	0.04	0.129	O	|	|	|	|	0.09
175.083	0.00	0.04	0.129	O	|	|	|	|	0.09
175.167	0.00	0.04	0.129	O	|	|	|	|	0.09
175.250	0.00	0.04	0.129	O	|	|	|	|	0.09
175.333	0.00	0.04	0.128	O	|	|	|	|	0.09
175.417	0.00	0.04	0.128	O	|	|	|	|	0.09
175.500	0.00	0.04	0.128	O	|	|	|	|	0.09
175.583	0.00	0.04	0.127	O	|	|	|	|	0.09
175.667	0.00	0.04	0.127	O	|	|	|	|	0.09
175.750	0.00	0.04	0.127	O	|	|	|	|	0.09
175.833	0.00	0.04	0.127	O	|	|	|	|	0.09
175.917	0.00	0.04	0.126	O	|	|	|	|	0.09
176.000	0.00	0.04	0.126	O	|	|	|	|	0.09
176.083	0.00	0.04	0.126	O	|	|	|	|	0.09
176.167	0.00	0.04	0.125	O	|	|	|	|	0.09
176.250	0.00	0.04	0.125	O	|	|	|	|	0.09
176.333	0.00	0.04	0.125	O	|	|	|	|	0.09
176.417	0.00	0.04	0.125	O	|	|	|	|	0.09
176.500	0.00	0.04	0.124	O	|	|	|	|	0.09
176.583	0.00	0.04	0.124	O	|	|	|	|	0.09
176.667	0.00	0.04	0.124	O	|	|	|	|	0.09
176.750	0.00	0.04	0.123	O	|	|	|	|	0.09
176.833	0.00	0.04	0.123	O	|	|	|	|	0.08
176.917	0.00	0.04	0.123	O	|	|	|	|	0.08
177.000	0.00	0.04	0.123	O	|	|	|	|	0.08
177.083	0.00	0.04	0.122	O	|	|	|	|	0.08
177.167	0.00	0.04	0.122	O	|	|	|	|	0.08
177.250	0.00	0.04	0.122	O	|	|	|	|	0.08
177.333	0.00	0.04	0.122	O	|	|	|	|	0.08
177.417	0.00	0.04	0.121	O	|	|	|	|	0.08
177.500	0.00	0.04	0.121	O	|	|	|	|	0.08
177.583	0.00	0.04	0.121	O	|	|	|	|	0.08
177.667	0.00	0.04	0.120	O	|	|	|	|	0.08
177.750	0.00	0.04	0.120	O	|	|	|	|	0.08
177.833	0.00	0.04	0.120	O	|	|	|	|	0.08
177.917	0.00	0.04	0.120	O	|	|	|	|	0.08
178.000	0.00	0.04	0.119	O	|	|	|	|	0.08
178.083	0.00	0.04	0.119	O	|	|	|	|	0.08
178.167	0.00	0.04	0.119	O	|	|	|	|	0.08
178.250	0.00	0.04	0.119	O	|	|	|	|	0.08
178.333	0.00	0.04	0.118	O	|	|	|	|	0.08
178.417	0.00	0.04	0.118	O	|	|	|	|	0.08
178.500	0.00	0.04	0.118	O	|	|	|	|	0.08
178.583	0.00	0.04	0.118	O	|	|	|	|	0.08
178.667	0.00	0.04	0.117	O	|	|	|	|	0.08
178.750	0.00	0.04	0.117	O	|	|	|	|	0.08

178.833	0.00	0.04	0.117	O	|	|	|	0.08
178.917	0.00	0.04	0.117	O	|	|	|	0.08
179.000	0.00	0.04	0.116	O	|	|	|	0.08
179.083	0.00	0.04	0.116	O	|	|	|	0.08
179.167	0.00	0.04	0.116	O	|	|	|	0.08
179.250	0.00	0.04	0.115	O	|	|	|	0.08
179.333	0.00	0.04	0.115	O	|	|	|	0.08
179.417	0.00	0.04	0.115	O	|	|	|	0.08
179.500	0.00	0.04	0.115	O	|	|	|	0.08
179.583	0.00	0.04	0.114	O	|	|	|	0.08
179.667	0.00	0.04	0.114	O	|	|	|	0.08
179.750	0.00	0.04	0.114	O	|	|	|	0.08
179.833	0.00	0.04	0.114	O	|	|	|	0.08
179.917	0.00	0.04	0.113	O	|	|	|	0.08
180.000	0.00	0.04	0.113	O	|	|	|	0.08
180.083	0.00	0.04	0.113	O	|	|	|	0.08
180.167	0.00	0.04	0.113	O	|	|	|	0.08
180.250	0.00	0.04	0.112	O	|	|	|	0.08
180.333	0.00	0.04	0.112	O	|	|	|	0.08
180.417	0.00	0.04	0.112	O	|	|	|	0.08
180.500	0.00	0.04	0.112	O	|	|	|	0.08
180.583	0.00	0.04	0.111	O	|	|	|	0.08
180.667	0.00	0.04	0.111	O	|	|	|	0.08
180.750	0.00	0.04	0.111	O	|	|	|	0.08
180.833	0.00	0.04	0.111	O	|	|	|	0.08
180.917	0.00	0.04	0.110	O	|	|	|	0.08
181.000	0.00	0.04	0.110	O	|	|	|	0.08
181.083	0.00	0.04	0.110	O	|	|	|	0.08
181.167	0.00	0.04	0.110	O	|	|	|	0.08
181.250	0.00	0.04	0.109	O	|	|	|	0.08
181.333	0.00	0.04	0.109	O	|	|	|	0.08
181.417	0.00	0.04	0.109	O	|	|	|	0.08
181.500	0.00	0.04	0.109	O	|	|	|	0.07
181.583	0.00	0.04	0.108	O	|	|	|	0.07
181.667	0.00	0.04	0.108	O	|	|	|	0.07
181.750	0.00	0.04	0.108	O	|	|	|	0.07
181.833	0.00	0.03	0.108	O	|	|	|	0.07
181.917	0.00	0.03	0.108	O	|	|	|	0.07
182.000	0.00	0.03	0.107	O	|	|	|	0.07
182.083	0.00	0.03	0.107	O	|	|	|	0.07
182.167	0.00	0.03	0.107	O	|	|	|	0.07
182.250	0.00	0.03	0.107	O	|	|	|	0.07
182.333	0.00	0.03	0.106	O	|	|	|	0.07
182.417	0.00	0.03	0.106	O	|	|	|	0.07
182.500	0.00	0.03	0.106	O	|	|	|	0.07
182.583	0.00	0.03	0.106	O	|	|	|	0.07
182.667	0.00	0.03	0.105	O	|	|	|	0.07
182.750	0.00	0.03	0.105	O	|	|	|	0.07
182.833	0.00	0.03	0.105	O	|	|	|	0.07
182.917	0.00	0.03	0.105	O	|	|	|	0.07
183.000	0.00	0.03	0.104	O	|	|	|	0.07
183.083	0.00	0.03	0.104	O	|	|	|	0.07
183.167	0.00	0.03	0.104	O	|	|	|	0.07
183.250	0.00	0.03	0.104	O	|	|	|	0.07
183.333	0.00	0.03	0.104	O	|	|	|	0.07
183.417	0.00	0.03	0.103	O	|	|	|	0.07
183.500	0.00	0.03	0.103	O	|	|	|	0.07
183.583	0.00	0.03	0.103	O	|	|	|	0.07
183.667	0.00	0.03	0.103	O	|	|	|	0.07
183.750	0.00	0.03	0.102	O	|	|	|	0.07
183.833	0.00	0.03	0.102	O	|	|	|	0.07
183.917	0.00	0.03	0.102	O	|	|	|	0.07
184.000	0.00	0.03	0.102	O	|	|	|	0.07
184.083	0.00	0.03	0.101	O	|	|	|	0.07
184.167	0.00	0.03	0.101	O	|	|	|	0.07
184.250	0.00	0.03	0.101	O	|	|	|	0.07
184.333	0.00	0.03	0.101	O	|	|	|	0.07

184.417	0.00	0.03	0.101	O	|	|	|	|	0.07
184.500	0.00	0.03	0.100	O	|	|	|	|	0.07
184.583	0.00	0.03	0.100	O	|	|	|	|	0.07
184.667	0.00	0.03	0.100	O	|	|	|	|	0.07
184.750	0.00	0.03	0.100	O	|	|	|	|	0.07
184.833	0.00	0.03	0.099	O	|	|	|	|	0.07
184.917	0.00	0.03	0.099	O	|	|	|	|	0.07
185.000	0.00	0.03	0.099	O	|	|	|	|	0.07
185.083	0.00	0.03	0.099	O	|	|	|	|	0.07
185.167	0.00	0.03	0.099	O	|	|	|	|	0.07
185.250	0.00	0.03	0.098	O	|	|	|	|	0.07
185.333	0.00	0.03	0.098	O	|	|	|	|	0.07
185.417	0.00	0.03	0.098	O	|	|	|	|	0.07
185.500	0.00	0.03	0.098	O	|	|	|	|	0.07
185.583	0.00	0.03	0.097	O	|	|	|	|	0.07
185.667	0.00	0.03	0.097	O	|	|	|	|	0.07
185.750	0.00	0.03	0.097	O	|	|	|	|	0.07
185.833	0.00	0.03	0.097	O	|	|	|	|	0.07
185.917	0.00	0.03	0.097	O	|	|	|	|	0.07
186.000	0.00	0.03	0.096	O	|	|	|	|	0.07
186.083	0.00	0.03	0.096	O	|	|	|	|	0.07
186.167	0.00	0.03	0.096	O	|	|	|	|	0.07
186.250	0.00	0.03	0.096	O	|	|	|	|	0.07
186.333	0.00	0.03	0.096	O	|	|	|	|	0.07
186.417	0.00	0.03	0.095	O	|	|	|	|	0.07
186.500	0.00	0.03	0.095	O	|	|	|	|	0.07
186.583	0.00	0.03	0.095	O	|	|	|	|	0.07
186.667	0.00	0.03	0.095	O	|	|	|	|	0.07
186.750	0.00	0.03	0.094	O	|	|	|	|	0.07
186.833	0.00	0.03	0.094	O	|	|	|	|	0.07
186.917	0.00	0.03	0.094	O	|	|	|	|	0.06
187.000	0.00	0.03	0.094	O	|	|	|	|	0.06
187.083	0.00	0.03	0.094	O	|	|	|	|	0.06
187.167	0.00	0.03	0.093	O	|	|	|	|	0.06
187.250	0.00	0.03	0.093	O	|	|	|	|	0.06
187.333	0.00	0.03	0.093	O	|	|	|	|	0.06
187.417	0.00	0.03	0.093	O	|	|	|	|	0.06
187.500	0.00	0.03	0.093	O	|	|	|	|	0.06
187.583	0.00	0.03	0.092	O	|	|	|	|	0.06
187.667	0.00	0.03	0.092	O	|	|	|	|	0.06
187.750	0.00	0.03	0.092	O	|	|	|	|	0.06
187.833	0.00	0.03	0.092	O	|	|	|	|	0.06
187.917	0.00	0.03	0.092	O	|	|	|	|	0.06
188.000	0.00	0.03	0.091	O	|	|	|	|	0.06
188.083	0.00	0.03	0.091	O	|	|	|	|	0.06
188.167	0.00	0.03	0.091	O	|	|	|	|	0.06
188.250	0.00	0.03	0.091	O	|	|	|	|	0.06
188.333	0.00	0.03	0.091	O	|	|	|	|	0.06
188.417	0.00	0.03	0.090	O	|	|	|	|	0.06
188.500	0.00	0.03	0.090	O	|	|	|	|	0.06
188.583	0.00	0.03	0.090	O	|	|	|	|	0.06
188.667	0.00	0.03	0.090	O	|	|	|	|	0.06
188.750	0.00	0.03	0.090	O	|	|	|	|	0.06
188.833	0.00	0.03	0.089	O	|	|	|	|	0.06
188.917	0.00	0.03	0.089	O	|	|	|	|	0.06
189.000	0.00	0.03	0.089	O	|	|	|	|	0.06
189.083	0.00	0.03	0.089	O	|	|	|	|	0.06
189.167	0.00	0.03	0.089	O	|	|	|	|	0.06
189.250	0.00	0.03	0.088	O	|	|	|	|	0.06
189.333	0.00	0.03	0.088	O	|	|	|	|	0.06
189.417	0.00	0.03	0.088	O	|	|	|	|	0.06
189.500	0.00	0.03	0.088	O	|	|	|	|	0.06
189.583	0.00	0.03	0.088	O	|	|	|	|	0.06
189.667	0.00	0.03	0.087	O	|	|	|	|	0.06
189.750	0.00	0.03	0.087	O	|	|	|	|	0.06
189.833	0.00	0.03	0.087	O	|	|	|	|	0.06
189.917	0.00	0.03	0.087	O	|	|	|	|	0.06

190.000	0.00	0.03	0.087	O	|	|	|	|	0.06
190.083	0.00	0.03	0.086	O	|	|	|	|	0.06
190.167	0.00	0.03	0.086	O	|	|	|	|	0.06
190.250	0.00	0.03	0.086	O	|	|	|	|	0.06
190.333	0.00	0.03	0.086	O	|	|	|	|	0.06
190.417	0.00	0.03	0.086	O	|	|	|	|	0.06
190.500	0.00	0.03	0.085	O	|	|	|	|	0.06
190.583	0.00	0.03	0.085	O	|	|	|	|	0.06
190.667	0.00	0.03	0.085	O	|	|	|	|	0.06
190.750	0.00	0.03	0.085	O	|	|	|	|	0.06
190.833	0.00	0.03	0.085	O	|	|	|	|	0.06
190.917	0.00	0.03	0.084	O	|	|	|	|	0.06
191.000	0.00	0.03	0.084	O	|	|	|	|	0.06
191.083	0.00	0.03	0.084	O	|	|	|	|	0.06
191.167	0.00	0.03	0.084	O	|	|	|	|	0.06
191.250	0.00	0.03	0.084	O	|	|	|	|	0.06
191.333	0.00	0.03	0.084	O	|	|	|	|	0.06
191.417	0.00	0.03	0.083	O	|	|	|	|	0.06
191.500	0.00	0.03	0.083	O	|	|	|	|	0.06
191.583	0.00	0.03	0.083	O	|	|	|	|	0.06
191.667	0.00	0.03	0.083	O	|	|	|	|	0.06
191.750	0.00	0.03	0.083	O	|	|	|	|	0.06
191.833	0.00	0.03	0.082	O	|	|	|	|	0.06
191.917	0.00	0.03	0.082	O	|	|	|	|	0.06
192.000	0.00	0.03	0.082	O	|	|	|	|	0.06
192.083	0.00	0.03	0.082	O	|	|	|	|	0.06
192.167	0.00	0.03	0.082	O	|	|	|	|	0.06
192.250	0.00	0.03	0.082	O	|	|	|	|	0.06
192.333	0.00	0.03	0.081	O	|	|	|	|	0.06
192.417	0.00	0.03	0.081	O	|	|	|	|	0.06
192.500	0.00	0.03	0.081	O	|	|	|	|	0.06
192.583	0.00	0.03	0.081	O	|	|	|	|	0.06
192.667	0.00	0.03	0.081	O	|	|	|	|	0.06
192.750	0.00	0.03	0.080	O	|	|	|	|	0.06
192.833	0.00	0.03	0.080	O	|	|	|	|	0.06
192.917	0.00	0.03	0.080	O	|	|	|	|	0.06
193.000	0.00	0.03	0.080	O	|	|	|	|	0.06
193.083	0.00	0.03	0.080	O	|	|	|	|	0.05
193.167	0.00	0.03	0.080	O	|	|	|	|	0.05
193.250	0.00	0.03	0.079	O	|	|	|	|	0.05
193.333	0.00	0.03	0.079	O	|	|	|	|	0.05
193.417	0.00	0.03	0.079	O	|	|	|	|	0.05
193.500	0.00	0.03	0.079	O	|	|	|	|	0.05
193.583	0.00	0.03	0.079	O	|	|	|	|	0.05
193.667	0.00	0.03	0.078	O	|	|	|	|	0.05
193.750	0.00	0.03	0.078	O	|	|	|	|	0.05
193.833	0.00	0.03	0.078	O	|	|	|	|	0.05
193.917	0.00	0.03	0.078	O	|	|	|	|	0.05
194.000	0.00	0.03	0.078	O	|	|	|	|	0.05
194.083	0.00	0.03	0.078	O	|	|	|	|	0.05
194.167	0.00	0.03	0.077	O	|	|	|	|	0.05
194.250	0.00	0.03	0.077	O	|	|	|	|	0.05
194.333	0.00	0.02	0.077	O	|	|	|	|	0.05
194.417	0.00	0.02	0.077	O	|	|	|	|	0.05
194.500	0.00	0.02	0.077	O	|	|	|	|	0.05
194.583	0.00	0.02	0.077	O	|	|	|	|	0.05
194.667	0.00	0.02	0.076	O	|	|	|	|	0.05
194.750	0.00	0.02	0.076	O	|	|	|	|	0.05
194.833	0.00	0.02	0.076	O	|	|	|	|	0.05
194.917	0.00	0.02	0.076	O	|	|	|	|	0.05
195.000	0.00	0.02	0.076	O	|	|	|	|	0.05
195.083	0.00	0.02	0.076	O	|	|	|	|	0.05
195.167	0.00	0.02	0.075	O	|	|	|	|	0.05
195.250	0.00	0.02	0.075	O	|	|	|	|	0.05
195.333	0.00	0.02	0.075	O	|	|	|	|	0.05
195.417	0.00	0.02	0.075	O	|	|	|	|	0.05
195.500	0.00	0.02	0.075	O	|	|	|	|	0.05

195.583	0.00	0.02	0.075	O	|	|	|	|	0.05
195.667	0.00	0.02	0.074	O	|	|	|	|	0.05
195.750	0.00	0.02	0.074	O	|	|	|	|	0.05
195.833	0.00	0.02	0.074	O	|	|	|	|	0.05
195.917	0.00	0.02	0.074	O	|	|	|	|	0.05
196.000	0.00	0.02	0.074	O	|	|	|	|	0.05
196.083	0.00	0.02	0.074	O	|	|	|	|	0.05
196.167	0.00	0.02	0.073	O	|	|	|	|	0.05
196.250	0.00	0.02	0.073	O	|	|	|	|	0.05
196.333	0.00	0.02	0.073	O	|	|	|	|	0.05
196.417	0.00	0.02	0.073	O	|	|	|	|	0.05
196.500	0.00	0.02	0.073	O	|	|	|	|	0.05
196.583	0.00	0.02	0.073	O	|	|	|	|	0.05
196.667	0.00	0.02	0.072	O	|	|	|	|	0.05
196.750	0.00	0.02	0.072	O	|	|	|	|	0.05
196.833	0.00	0.02	0.072	O	|	|	|	|	0.05
196.917	0.00	0.02	0.072	O	|	|	|	|	0.05
197.000	0.00	0.02	0.072	O	|	|	|	|	0.05
197.083	0.00	0.02	0.072	O	|	|	|	|	0.05
197.167	0.00	0.02	0.071	O	|	|	|	|	0.05
197.250	0.00	0.02	0.071	O	|	|	|	|	0.05
197.333	0.00	0.02	0.071	O	|	|	|	|	0.05
197.417	0.00	0.02	0.071	O	|	|	|	|	0.05
197.500	0.00	0.02	0.071	O	|	|	|	|	0.05
197.583	0.00	0.02	0.071	O	|	|	|	|	0.05
197.667	0.00	0.02	0.071	O	|	|	|	|	0.05
197.750	0.00	0.02	0.070	O	|	|	|	|	0.05
197.833	0.00	0.02	0.070	O	|	|	|	|	0.05
197.917	0.00	0.02	0.070	O	|	|	|	|	0.05
198.000	0.00	0.02	0.070	O	|	|	|	|	0.05
198.083	0.00	0.02	0.070	O	|	|	|	|	0.05
198.167	0.00	0.02	0.070	O	|	|	|	|	0.05
198.250	0.00	0.02	0.069	O	|	|	|	|	0.05
198.333	0.00	0.02	0.069	O	|	|	|	|	0.05
198.417	0.00	0.02	0.069	O	|	|	|	|	0.05
198.500	0.00	0.02	0.069	O	|	|	|	|	0.05
198.583	0.00	0.02	0.069	O	|	|	|	|	0.05
198.667	0.00	0.02	0.069	O	|	|	|	|	0.05
198.750	0.00	0.02	0.068	O	|	|	|	|	0.05
198.833	0.00	0.02	0.068	O	|	|	|	|	0.05
198.917	0.00	0.02	0.068	O	|	|	|	|	0.05
199.000	0.00	0.02	0.068	O	|	|	|	|	0.05
199.083	0.00	0.02	0.068	O	|	|	|	|	0.05
199.167	0.00	0.02	0.068	O	|	|	|	|	0.05
199.250	0.00	0.02	0.068	O	|	|	|	|	0.05
199.333	0.00	0.02	0.067	O	|	|	|	|	0.05
199.417	0.00	0.02	0.067	O	|	|	|	|	0.05
199.500	0.00	0.02	0.067	O	|	|	|	|	0.05
199.583	0.00	0.02	0.067	O	|	|	|	|	0.05
199.667	0.00	0.02	0.067	O	|	|	|	|	0.05
199.750	0.00	0.02	0.067	O	|	|	|	|	0.05
199.833	0.00	0.02	0.067	O	|	|	|	|	0.05
199.917	0.00	0.02	0.066	O	|	|	|	|	0.05
200.000	0.00	0.02	0.066	O	|	|	|	|	0.05
200.083	0.00	0.02	0.066	O	|	|	|	|	0.05
200.167	0.00	0.02	0.066	O	|	|	|	|	0.05
200.250	0.00	0.02	0.066	O	|	|	|	|	0.05
200.333	0.00	0.02	0.066	O	|	|	|	|	0.05
200.417	0.00	0.02	0.066	O	|	|	|	|	0.05
200.500	0.00	0.02	0.065	O	|	|	|	|	0.05
200.583	0.00	0.02	0.065	O	|	|	|	|	0.04
200.667	0.00	0.02	0.065	O	|	|	|	|	0.04
200.750	0.00	0.02	0.065	O	|	|	|	|	0.04
200.833	0.00	0.02	0.065	O	|	|	|	|	0.04
200.917	0.00	0.02	0.065	O	|	|	|	|	0.04
201.000	0.00	0.02	0.064	O	|	|	|	|	0.04
201.083	0.00	0.02	0.064	O	|	|	|	|	0.04

201.167	0.00	0.02	0.064	O	|	|	|	|	0.04
201.250	0.00	0.02	0.064	O	|	|	|	|	0.04
201.333	0.00	0.02	0.064	O	|	|	|	|	0.04
201.417	0.00	0.02	0.064	O	|	|	|	|	0.04
201.500	0.00	0.02	0.064	O	|	|	|	|	0.04
201.583	0.00	0.02	0.063	O	|	|	|	|	0.04
201.667	0.00	0.02	0.063	O	|	|	|	|	0.04
201.750	0.00	0.02	0.063	O	|	|	|	|	0.04
201.833	0.00	0.02	0.063	O	|	|	|	|	0.04
201.917	0.00	0.02	0.063	O	|	|	|	|	0.04
202.000	0.00	0.02	0.063	O	|	|	|	|	0.04
202.083	0.00	0.02	0.063	O	|	|	|	|	0.04
202.167	0.00	0.02	0.063	O	|	|	|	|	0.04
202.250	0.00	0.02	0.062	O	|	|	|	|	0.04
202.333	0.00	0.02	0.062	O	|	|	|	|	0.04
202.417	0.00	0.02	0.062	O	|	|	|	|	0.04
202.500	0.00	0.02	0.062	O	|	|	|	|	0.04
202.583	0.00	0.02	0.062	O	|	|	|	|	0.04
202.667	0.00	0.02	0.062	O	|	|	|	|	0.04
202.750	0.00	0.02	0.062	O	|	|	|	|	0.04
202.833	0.00	0.02	0.061	O	|	|	|	|	0.04
202.917	0.00	0.02	0.061	O	|	|	|	|	0.04
203.000	0.00	0.02	0.061	O	|	|	|	|	0.04
203.083	0.00	0.02	0.061	O	|	|	|	|	0.04
203.167	0.00	0.02	0.061	O	|	|	|	|	0.04
203.250	0.00	0.02	0.061	O	|	|	|	|	0.04
203.333	0.00	0.02	0.061	O	|	|	|	|	0.04
203.417	0.00	0.02	0.060	O	|	|	|	|	0.04
203.500	0.00	0.02	0.060	O	|	|	|	|	0.04
203.583	0.00	0.02	0.060	O	|	|	|	|	0.04
203.667	0.00	0.02	0.060	O	|	|	|	|	0.04
203.750	0.00	0.02	0.060	O	|	|	|	|	0.04
203.833	0.00	0.02	0.060	O	|	|	|	|	0.04
203.917	0.00	0.02	0.060	O	|	|	|	|	0.04
204.000	0.00	0.02	0.060	O	|	|	|	|	0.04
204.083	0.00	0.02	0.059	O	|	|	|	|	0.04
204.167	0.00	0.02	0.059	O	|	|	|	|	0.04
204.250	0.00	0.02	0.059	O	|	|	|	|	0.04
204.333	0.00	0.02	0.059	O	|	|	|	|	0.04
204.417	0.00	0.02	0.059	O	|	|	|	|	0.04
204.500	0.00	0.02	0.059	O	|	|	|	|	0.04
204.583	0.00	0.02	0.059	O	|	|	|	|	0.04
204.667	0.00	0.02	0.058	O	|	|	|	|	0.04
204.750	0.00	0.02	0.058	O	|	|	|	|	0.04
204.833	0.00	0.02	0.058	O	|	|	|	|	0.04
204.917	0.00	0.02	0.058	O	|	|	|	|	0.04
205.000	0.00	0.02	0.058	O	|	|	|	|	0.04
205.083	0.00	0.02	0.058	O	|	|	|	|	0.04
205.167	0.00	0.02	0.058	O	|	|	|	|	0.04
205.250	0.00	0.02	0.058	O	|	|	|	|	0.04
205.333	0.00	0.02	0.057	O	|	|	|	|	0.04
205.417	0.00	0.02	0.057	O	|	|	|	|	0.04
205.500	0.00	0.02	0.057	O	|	|	|	|	0.04
205.583	0.00	0.02	0.057	O	|	|	|	|	0.04
205.667	0.00	0.02	0.057	O	|	|	|	|	0.04
205.750	0.00	0.02	0.057	O	|	|	|	|	0.04
205.833	0.00	0.02	0.057	O	|	|	|	|	0.04
205.917	0.00	0.02	0.057	O	|	|	|	|	0.04
206.000	0.00	0.02	0.056	O	|	|	|	|	0.04
206.083	0.00	0.02	0.056	O	|	|	|	|	0.04
206.167	0.00	0.02	0.056	O	|	|	|	|	0.04
206.250	0.00	0.02	0.056	O	|	|	|	|	0.04
206.333	0.00	0.02	0.056	O	|	|	|	|	0.04
206.417	0.00	0.02	0.056	O	|	|	|	|	0.04
206.500	0.00	0.02	0.056	O	|	|	|	|	0.04
206.583	0.00	0.02	0.056	O	|	|	|	|	0.04
206.667	0.00	0.02	0.055	O	|	|	|	|	0.04

206.750	0.00	0.02	0.055	O	|	|	|	|	0.04
206.833	0.00	0.02	0.055	O	|	|	|	|	0.04
206.917	0.00	0.02	0.055	O	|	|	|	|	0.04
207.000	0.00	0.02	0.055	O	|	|	|	|	0.04
207.083	0.00	0.02	0.055	O	|	|	|	|	0.04
207.167	0.00	0.02	0.055	O	|	|	|	|	0.04
207.250	0.00	0.02	0.055	O	|	|	|	|	0.04
207.333	0.00	0.02	0.054	O	|	|	|	|	0.04
207.417	0.00	0.02	0.054	O	|	|	|	|	0.04
207.500	0.00	0.02	0.054	O	|	|	|	|	0.04
207.583	0.00	0.02	0.054	O	|	|	|	|	0.04
207.667	0.00	0.02	0.054	O	|	|	|	|	0.04
207.750	0.00	0.02	0.054	O	|	|	|	|	0.04
207.833	0.00	0.02	0.054	O	|	|	|	|	0.04
207.917	0.00	0.02	0.054	O	|	|	|	|	0.04
208.000	0.00	0.02	0.053	O	|	|	|	|	0.04
208.083	0.00	0.02	0.053	O	|	|	|	|	0.04
208.167	0.00	0.02	0.053	O	|	|	|	|	0.04
208.250	0.00	0.02	0.053	O	|	|	|	|	0.04
208.333	0.00	0.02	0.053	O	|	|	|	|	0.04
208.417	0.00	0.02	0.053	O	|	|	|	|	0.04
208.500	0.00	0.02	0.053	O	|	|	|	|	0.04
208.583	0.00	0.02	0.053	O	|	|	|	|	0.04
208.667	0.00	0.02	0.053	O	|	|	|	|	0.04
208.750	0.00	0.02	0.052	O	|	|	|	|	0.04
208.833	0.00	0.02	0.052	O	|	|	|	|	0.04
208.917	0.00	0.02	0.052	O	|	|	|	|	0.04
209.000	0.00	0.02	0.052	O	|	|	|	|	0.04
209.083	0.00	0.02	0.052	O	|	|	|	|	0.04
209.167	0.00	0.02	0.052	O	|	|	|	|	0.04
209.250	0.00	0.02	0.052	O	|	|	|	|	0.04
209.333	0.00	0.02	0.052	O	|	|	|	|	0.04
209.417	0.00	0.02	0.051	O	|	|	|	|	0.04
209.500	0.00	0.02	0.051	O	|	|	|	|	0.04
209.583	0.00	0.02	0.051	O	|	|	|	|	0.04
209.667	0.00	0.02	0.051	O	|	|	|	|	0.04
209.750	0.00	0.02	0.051	O	|	|	|	|	0.04
209.833	0.00	0.02	0.051	O	|	|	|	|	0.04
209.917	0.00	0.02	0.051	O	|	|	|	|	0.04
210.000	0.00	0.02	0.051	O	|	|	|	|	0.03
210.083	0.00	0.02	0.051	O	|	|	|	|	0.03
210.167	0.00	0.02	0.050	O	|	|	|	|	0.03
210.250	0.00	0.02	0.050	O	|	|	|	|	0.03
210.333	0.00	0.02	0.050	O	|	|	|	|	0.03
210.417	0.00	0.02	0.050	O	|	|	|	|	0.03
210.500	0.00	0.02	0.050	O	|	|	|	|	0.03
210.583	0.00	0.02	0.050	O	|	|	|	|	0.03
210.667	0.00	0.02	0.050	O	|	|	|	|	0.03
210.750	0.00	0.02	0.050	O	|	|	|	|	0.03
210.833	0.00	0.02	0.050	O	|	|	|	|	0.03
210.917	0.00	0.02	0.049	O	|	|	|	|	0.03
211.000	0.00	0.02	0.049	O	|	|	|	|	0.03
211.083	0.00	0.02	0.049	O	|	|	|	|	0.03
211.167	0.00	0.02	0.049	O	|	|	|	|	0.03
211.250	0.00	0.02	0.049	O	|	|	|	|	0.03
211.333	0.00	0.02	0.049	O	|	|	|	|	0.03
211.417	0.00	0.02	0.049	O	|	|	|	|	0.03
211.500	0.00	0.02	0.049	O	|	|	|	|	0.03
211.583	0.00	0.02	0.049	O	|	|	|	|	0.03
211.667	0.00	0.02	0.048	O	|	|	|	|	0.03
211.750	0.00	0.02	0.048	O	|	|	|	|	0.03
211.833	0.00	0.02	0.048	O	|	|	|	|	0.03
211.917	0.00	0.02	0.048	O	|	|	|	|	0.03
212.000	0.00	0.02	0.048	O	|	|	|	|	0.03
212.083	0.00	0.02	0.048	O	|	|	|	|	0.03
212.167	0.00	0.02	0.048	O	|	|	|	|	0.03
212.250	0.00	0.02	0.048	O	|	|	|	|	0.03

212.333	0.00	0.02	0.048	O	|	|	|	|	0.03
212.417	0.00	0.02	0.047	O	|	|	|	|	0.03
212.500	0.00	0.02	0.047	O	|	|	|	|	0.03
212.583	0.00	0.02	0.047	O	|	|	|	|	0.03
212.667	0.00	0.02	0.047	O	|	|	|	|	0.03
212.750	0.00	0.02	0.047	O	|	|	|	|	0.03
212.833	0.00	0.02	0.047	O	|	|	|	|	0.03
212.917	0.00	0.02	0.047	O	|	|	|	|	0.03
213.000	0.00	0.02	0.047	O	|	|	|	|	0.03
213.083	0.00	0.02	0.047	O	|	|	|	|	0.03
213.167	0.00	0.02	0.047	O	|	|	|	|	0.03
213.250	0.00	0.02	0.046	O	|	|	|	|	0.03
213.333	0.00	0.02	0.046	O	|	|	|	|	0.03
213.417	0.00	0.01	0.046	O	|	|	|	|	0.03
213.500	0.00	0.01	0.046	O	|	|	|	|	0.03
213.583	0.00	0.01	0.046	O	|	|	|	|	0.03
213.667	0.00	0.01	0.046	O	|	|	|	|	0.03
213.750	0.00	0.01	0.046	O	|	|	|	|	0.03
213.833	0.00	0.01	0.046	O	|	|	|	|	0.03
213.917	0.00	0.01	0.046	O	|	|	|	|	0.03
214.000	0.00	0.01	0.046	O	|	|	|	|	0.03
214.083	0.00	0.01	0.045	O	|	|	|	|	0.03
214.167	0.00	0.01	0.045	O	|	|	|	|	0.03
214.250	0.00	0.01	0.045	O	|	|	|	|	0.03
214.333	0.00	0.01	0.045	O	|	|	|	|	0.03
214.417	0.00	0.01	0.045	O	|	|	|	|	0.03
214.500	0.00	0.01	0.045	O	|	|	|	|	0.03
214.583	0.00	0.01	0.045	O	|	|	|	|	0.03
214.667	0.00	0.01	0.045	O	|	|	|	|	0.03
214.750	0.00	0.01	0.045	O	|	|	|	|	0.03
214.833	0.00	0.01	0.045	O	|	|	|	|	0.03
214.917	0.00	0.01	0.044	O	|	|	|	|	0.03
215.000	0.00	0.01	0.044	O	|	|	|	|	0.03
215.083	0.00	0.01	0.044	O	|	|	|	|	0.03
215.167	0.00	0.01	0.044	O	|	|	|	|	0.03
215.250	0.00	0.01	0.044	O	|	|	|	|	0.03
215.333	0.00	0.01	0.044	O	|	|	|	|	0.03
215.417	0.00	0.01	0.044	O	|	|	|	|	0.03
215.500	0.00	0.01	0.044	O	|	|	|	|	0.03
215.583	0.00	0.01	0.044	O	|	|	|	|	0.03
215.667	0.00	0.01	0.044	O	|	|	|	|	0.03
215.750	0.00	0.01	0.043	O	|	|	|	|	0.03
215.833	0.00	0.01	0.043	O	|	|	|	|	0.03
215.917	0.00	0.01	0.043	O	|	|	|	|	0.03
216.000	0.00	0.01	0.043	O	|	|	|	|	0.03
216.083	0.00	0.01	0.043	O	|	|	|	|	0.03
216.167	0.00	0.01	0.043	O	|	|	|	|	0.03
216.250	0.00	0.01	0.043	O	|	|	|	|	0.03
216.333	0.00	0.01	0.043	O	|	|	|	|	0.03
216.417	0.00	0.01	0.043	O	|	|	|	|	0.03
216.500	0.00	0.01	0.043	O	|	|	|	|	0.03
216.583	0.00	0.01	0.042	O	|	|	|	|	0.03
216.667	0.00	0.01	0.042	O	|	|	|	|	0.03
216.750	0.00	0.01	0.042	O	|	|	|	|	0.03
216.833	0.00	0.01	0.042	O	|	|	|	|	0.03
216.917	0.00	0.01	0.042	O	|	|	|	|	0.03
217.000	0.00	0.01	0.042	O	|	|	|	|	0.03
217.083	0.00	0.01	0.042	O	|	|	|	|	0.03
217.167	0.00	0.01	0.042	O	|	|	|	|	0.03
217.250	0.00	0.01	0.042	O	|	|	|	|	0.03
217.333	0.00	0.01	0.042	O	|	|	|	|	0.03
217.417	0.00	0.01	0.042	O	|	|	|	|	0.03
217.500	0.00	0.01	0.041	O	|	|	|	|	0.03
217.583	0.00	0.01	0.041	O	|	|	|	|	0.03
217.667	0.00	0.01	0.041	O	|	|	|	|	0.03
217.750	0.00	0.01	0.041	O	|	|	|	|	0.03
217.833	0.00	0.01	0.041	O	|	|	|	|	0.03

217.917	0.00	0.01	0.041	O	|	|	|	0.03
218.000	0.00	0.01	0.041	O	|	|	|	0.03
218.083	0.00	0.01	0.041	O	|	|	|	0.03
218.167	0.00	0.01	0.041	O	|	|	|	0.03
218.250	0.00	0.01	0.041	O	|	|	|	0.03
218.333	0.00	0.01	0.041	O	|	|	|	0.03
218.417	0.00	0.01	0.040	O	|	|	|	0.03
218.500	0.00	0.01	0.040	O	|	|	|	0.03
218.583	0.00	0.01	0.040	O	|	|	|	0.03
218.667	0.00	0.01	0.040	O	|	|	|	0.03
218.750	0.00	0.01	0.040	O	|	|	|	0.03
218.833	0.00	0.01	0.040	O	|	|	|	0.03
218.917	0.00	0.01	0.040	O	|	|	|	0.03
219.000	0.00	0.01	0.040	O	|	|	|	0.03
219.083	0.00	0.01	0.040	O	|	|	|	0.03
219.167	0.00	0.01	0.040	O	|	|	|	0.03
219.250	0.00	0.01	0.040	O	|	|	|	0.03
219.333	0.00	0.01	0.039	O	|	|	|	0.03
219.417	0.00	0.01	0.039	O	|	|	|	0.03
219.500	0.00	0.01	0.039	O	|	|	|	0.03
219.583	0.00	0.01	0.039	O	|	|	|	0.03
219.667	0.00	0.01	0.039	O	|	|	|	0.03
219.750	0.00	0.01	0.039	O	|	|	|	0.03
219.833	0.00	0.01	0.039	O	|	|	|	0.03
219.917	0.00	0.01	0.039	O	|	|	|	0.03
220.000	0.00	0.01	0.039	O	|	|	|	0.03
220.083	0.00	0.01	0.039	O	|	|	|	0.03
220.167	0.00	0.01	0.039	O	|	|	|	0.03
220.250	0.00	0.01	0.039	O	|	|	|	0.03
220.333	0.00	0.01	0.038	O	|	|	|	0.03
220.417	0.00	0.01	0.038	O	|	|	|	0.03
220.500	0.00	0.01	0.038	O	|	|	|	0.03
220.583	0.00	0.01	0.038	O	|	|	|	0.03
220.667	0.00	0.01	0.038	O	|	|	|	0.03
220.750	0.00	0.01	0.038	O	|	|	|	0.03
220.833	0.00	0.01	0.038	O	|	|	|	0.03
220.917	0.00	0.01	0.038	O	|	|	|	0.03
221.000	0.00	0.01	0.038	O	|	|	|	0.03
221.083	0.00	0.01	0.038	O	|	|	|	0.03
221.167	0.00	0.01	0.038	O	|	|	|	0.03
221.250	0.00	0.01	0.037	O	|	|	|	0.03
221.333	0.00	0.01	0.037	O	|	|	|	0.03
221.417	0.00	0.01	0.037	O	|	|	|	0.03
221.500	0.00	0.01	0.037	O	|	|	|	0.03
221.583	0.00	0.01	0.037	O	|	|	|	0.03
221.667	0.00	0.01	0.037	O	|	|	|	0.03
221.750	0.00	0.01	0.037	O	|	|	|	0.03
221.833	0.00	0.01	0.037	O	|	|	|	0.03
221.917	0.00	0.01	0.037	O	|	|	|	0.03
222.000	0.00	0.01	0.037	O	|	|	|	0.03
222.083	0.00	0.01	0.037	O	|	|	|	0.03
222.167	0.00	0.01	0.037	O	|	|	|	0.03
222.250	0.00	0.01	0.036	O	|	|	|	0.03
222.333	0.00	0.01	0.036	O	|	|	|	0.03
222.417	0.00	0.01	0.036	O	|	|	|	0.03
222.500	0.00	0.01	0.036	O	|	|	|	0.03
222.583	0.00	0.01	0.036	O	|	|	|	0.02
222.667	0.00	0.01	0.036	O	|	|	|	0.02
222.750	0.00	0.01	0.036	O	|	|	|	0.02
222.833	0.00	0.01	0.036	O	|	|	|	0.02
222.917	0.00	0.01	0.036	O	|	|	|	0.02
223.000	0.00	0.01	0.036	O	|	|	|	0.02
223.083	0.00	0.01	0.036	O	|	|	|	0.02
223.167	0.00	0.01	0.036	O	|	|	|	0.02
223.250	0.00	0.01	0.036	O	|	|	|	0.02
223.333	0.00	0.01	0.035	O	|	|	|	0.02
223.417	0.00	0.01	0.035	O	|	|	|	0.02

223.500	0.00	0.01	0.035	O	|	|	|	|	0.02
223.583	0.00	0.01	0.035	O	|	|	|	|	0.02
223.667	0.00	0.01	0.035	O	|	|	|	|	0.02
223.750	0.00	0.01	0.035	O	|	|	|	|	0.02
223.833	0.00	0.01	0.035	O	|	|	|	|	0.02
223.917	0.00	0.01	0.035	O	|	|	|	|	0.02
224.000	0.00	0.01	0.035	O	|	|	|	|	0.02
224.083	0.00	0.01	0.035	O	|	|	|	|	0.02
224.167	0.00	0.01	0.035	O	|	|	|	|	0.02
224.250	0.00	0.01	0.035	O	|	|	|	|	0.02
224.333	0.00	0.01	0.035	O	|	|	|	|	0.02
224.417	0.00	0.01	0.034	O	|	|	|	|	0.02
224.500	0.00	0.01	0.034	O	|	|	|	|	0.02
224.583	0.00	0.01	0.034	O	|	|	|	|	0.02
224.667	0.00	0.01	0.034	O	|	|	|	|	0.02
224.750	0.00	0.01	0.034	O	|	|	|	|	0.02
224.833	0.00	0.01	0.034	O	|	|	|	|	0.02
224.917	0.00	0.01	0.034	O	|	|	|	|	0.02
225.000	0.00	0.01	0.034	O	|	|	|	|	0.02
225.083	0.00	0.01	0.034	O	|	|	|	|	0.02
225.167	0.00	0.01	0.034	O	|	|	|	|	0.02
225.250	0.00	0.01	0.034	O	|	|	|	|	0.02
225.333	0.00	0.01	0.034	O	|	|	|	|	0.02
225.417	0.00	0.01	0.034	O	|	|	|	|	0.02
225.500	0.00	0.01	0.033	O	|	|	|	|	0.02
225.583	0.00	0.01	0.033	O	|	|	|	|	0.02
225.667	0.00	0.01	0.033	O	|	|	|	|	0.02
225.750	0.00	0.01	0.033	O	|	|	|	|	0.02
225.833	0.00	0.01	0.033	O	|	|	|	|	0.02
225.917	0.00	0.01	0.033	O	|	|	|	|	0.02
226.000	0.00	0.01	0.033	O	|	|	|	|	0.02
226.083	0.00	0.01	0.033	O	|	|	|	|	0.02
226.167	0.00	0.01	0.033	O	|	|	|	|	0.02
226.250	0.00	0.01	0.033	O	|	|	|	|	0.02
226.333	0.00	0.01	0.033	O	|	|	|	|	0.02
226.417	0.00	0.01	0.033	O	|	|	|	|	0.02
226.500	0.00	0.01	0.033	O	|	|	|	|	0.02
226.583	0.00	0.01	0.032	O	|	|	|	|	0.02
226.667	0.00	0.01	0.032	O	|	|	|	|	0.02
226.750	0.00	0.01	0.032	O	|	|	|	|	0.02
226.833	0.00	0.01	0.032	O	|	|	|	|	0.02
226.917	0.00	0.01	0.032	O	|	|	|	|	0.02
227.000	0.00	0.01	0.032	O	|	|	|	|	0.02
227.083	0.00	0.01	0.032	O	|	|	|	|	0.02
227.167	0.00	0.01	0.032	O	|	|	|	|	0.02
227.250	0.00	0.01	0.032	O	|	|	|	|	0.02
227.333	0.00	0.01	0.032	O	|	|	|	|	0.02
227.417	0.00	0.01	0.032	O	|	|	|	|	0.02
227.500	0.00	0.01	0.032	O	|	|	|	|	0.02
227.583	0.00	0.01	0.032	O	|	|	|	|	0.02
227.667	0.00	0.01	0.032	O	|	|	|	|	0.02
227.750	0.00	0.01	0.031	O	|	|	|	|	0.02
227.833	0.00	0.01	0.031	O	|	|	|	|	0.02
227.917	0.00	0.01	0.031	O	|	|	|	|	0.02
228.000	0.00	0.01	0.031	O	|	|	|	|	0.02
228.083	0.00	0.01	0.031	O	|	|	|	|	0.02
228.167	0.00	0.01	0.031	O	|	|	|	|	0.02
228.250	0.00	0.01	0.031	O	|	|	|	|	0.02
228.333	0.00	0.01	0.031	O	|	|	|	|	0.02
228.417	0.00	0.01	0.031	O	|	|	|	|	0.02
228.500	0.00	0.01	0.031	O	|	|	|	|	0.02
228.583	0.00	0.01	0.031	O	|	|	|	|	0.02
228.667	0.00	0.01	0.031	O	|	|	|	|	0.02
228.750	0.00	0.01	0.031	O	|	|	|	|	0.02
228.833	0.00	0.01	0.031	O	|	|	|	|	0.02
228.917	0.00	0.01	0.031	O	|	|	|	|	0.02
229.000	0.00	0.01	0.030	O	|	|	|	|	0.02

229.083	0.00	0.01	0.030	O	|	|	|	|	0.02
229.167	0.00	0.01	0.030	O	|	|	|	|	0.02
229.250	0.00	0.01	0.030	O	|	|	|	|	0.02
229.333	0.00	0.01	0.030	O	|	|	|	|	0.02
229.417	0.00	0.01	0.030	O	|	|	|	|	0.02
229.500	0.00	0.01	0.030	O	|	|	|	|	0.02
229.583	0.00	0.01	0.030	O	|	|	|	|	0.02
229.667	0.00	0.01	0.030	O	|	|	|	|	0.02
229.750	0.00	0.01	0.030	O	|	|	|	|	0.02
229.833	0.00	0.01	0.030	O	|	|	|	|	0.02
229.917	0.00	0.01	0.030	O	|	|	|	|	0.02
230.000	0.00	0.01	0.030	O	|	|	|	|	0.02
230.083	0.00	0.01	0.030	O	|	|	|	|	0.02
230.167	0.00	0.01	0.030	O	|	|	|	|	0.02
230.250	0.00	0.01	0.029	O	|	|	|	|	0.02
230.333	0.00	0.01	0.029	O	|	|	|	|	0.02
230.417	0.00	0.01	0.029	O	|	|	|	|	0.02
230.500	0.00	0.01	0.029	O	|	|	|	|	0.02
230.583	0.00	0.01	0.029	O	|	|	|	|	0.02
230.667	0.00	0.01	0.029	O	|	|	|	|	0.02
230.750	0.00	0.01	0.029	O	|	|	|	|	0.02
230.833	0.00	0.01	0.029	O	|	|	|	|	0.02
230.917	0.00	0.01	0.029	O	|	|	|	|	0.02
231.000	0.00	0.01	0.029	O	|	|	|	|	0.02
231.083	0.00	0.01	0.029	O	|	|	|	|	0.02
231.167	0.00	0.01	0.029	O	|	|	|	|	0.02
231.250	0.00	0.01	0.029	O	|	|	|	|	0.02
231.333	0.00	0.01	0.029	O	|	|	|	|	0.02
231.417	0.00	0.01	0.029	O	|	|	|	|	0.02
231.500	0.00	0.01	0.028	O	|	|	|	|	0.02
231.583	0.00	0.01	0.028	O	|	|	|	|	0.02
231.667	0.00	0.01	0.028	O	|	|	|	|	0.02
231.750	0.00	0.01	0.028	O	|	|	|	|	0.02
231.833	0.00	0.01	0.028	O	|	|	|	|	0.02
231.917	0.00	0.01	0.028	O	|	|	|	|	0.02
232.000	0.00	0.01	0.028	O	|	|	|	|	0.02
232.083	0.00	0.01	0.028	O	|	|	|	|	0.02
232.167	0.00	0.01	0.028	O	|	|	|	|	0.02
232.250	0.00	0.01	0.028	O	|	|	|	|	0.02
232.333	0.00	0.01	0.028	O	|	|	|	|	0.02
232.417	0.00	0.01	0.028	O	|	|	|	|	0.02
232.500	0.00	0.01	0.028	O	|	|	|	|	0.02
232.583	0.00	0.01	0.028	O	|	|	|	|	0.02
232.667	0.00	0.01	0.028	O	|	|	|	|	0.02
232.750	0.00	0.01	0.028	O	|	|	|	|	0.02
232.833	0.00	0.01	0.027	O	|	|	|	|	0.02
232.917	0.00	0.01	0.027	O	|	|	|	|	0.02
233.000	0.00	0.01	0.027	O	|	|	|	|	0.02
233.083	0.00	0.01	0.027	O	|	|	|	|	0.02
233.167	0.00	0.01	0.027	O	|	|	|	|	0.02
233.250	0.00	0.01	0.027	O	|	|	|	|	0.02
233.333	0.00	0.01	0.027	O	|	|	|	|	0.02
233.417	0.00	0.01	0.027	O	|	|	|	|	0.02
233.500	0.00	0.01	0.027	O	|	|	|	|	0.02
233.583	0.00	0.01	0.027	O	|	|	|	|	0.02
233.667	0.00	0.01	0.027	O	|	|	|	|	0.02
233.750	0.00	0.01	0.027	O	|	|	|	|	0.02
233.833	0.00	0.01	0.027	O	|	|	|	|	0.02
233.917	0.00	0.01	0.027	O	|	|	|	|	0.02
234.000	0.00	0.01	0.027	O	|	|	|	|	0.02
234.083	0.00	0.01	0.027	O	|	|	|	|	0.02
234.167	0.00	0.01	0.027	O	|	|	|	|	0.02
234.250	0.00	0.01	0.026	O	|	|	|	|	0.02
234.333	0.00	0.01	0.026	O	|	|	|	|	0.02
234.417	0.00	0.01	0.026	O	|	|	|	|	0.02
234.500	0.00	0.01	0.026	O	|	|	|	|	0.02
234.583	0.00	0.01	0.026	O	|	|	|	|	0.02

234.667	0.00	0.01	0.026	O	|	|	|	0.02
234.750	0.00	0.01	0.026	O	|	|	|	0.02
234.833	0.00	0.01	0.026	O	|	|	|	0.02
234.917	0.00	0.01	0.026	O	|	|	|	0.02
235.000	0.00	0.01	0.026	O	|	|	|	0.02
235.083	0.00	0.01	0.026	O	|	|	|	0.02
235.167	0.00	0.01	0.026	O	|	|	|	0.02
235.250	0.00	0.01	0.026	O	|	|	|	0.02
235.333	0.00	0.01	0.026	O	|	|	|	0.02
235.417	0.00	0.01	0.026	O	|	|	|	0.02
235.500	0.00	0.01	0.026	O	|	|	|	0.02
235.583	0.00	0.01	0.026	O	|	|	|	0.02
235.667	0.00	0.01	0.025	O	|	|	|	0.02
235.750	0.00	0.01	0.025	O	|	|	|	0.02
235.833	0.00	0.01	0.025	O	|	|	|	0.02
235.917	0.00	0.01	0.025	O	|	|	|	0.02
236.000	0.00	0.01	0.025	O	|	|	|	0.02
236.083	0.00	0.01	0.025	O	|	|	|	0.02
236.167	0.00	0.01	0.025	O	|	|	|	0.02
236.250	0.00	0.01	0.025	O	|	|	|	0.02
236.333	0.00	0.01	0.025	O	|	|	|	0.02
236.417	0.00	0.01	0.025	O	|	|	|	0.02
236.500	0.00	0.01	0.025	O	|	|	|	0.02
236.583	0.00	0.01	0.025	O	|	|	|	0.02
236.667	0.00	0.01	0.025	O	|	|	|	0.02
236.750	0.00	0.01	0.025	O	|	|	|	0.02
236.833	0.00	0.01	0.025	O	|	|	|	0.02
236.917	0.00	0.01	0.025	O	|	|	|	0.02
237.000	0.00	0.01	0.025	O	|	|	|	0.02
237.083	0.00	0.01	0.025	O	|	|	|	0.02
237.167	0.00	0.01	0.024	O	|	|	|	0.02
237.250	0.00	0.01	0.024	O	|	|	|	0.02
237.333	0.00	0.01	0.024	O	|	|	|	0.02
237.417	0.00	0.01	0.024	O	|	|	|	0.02
237.500	0.00	0.01	0.024	O	|	|	|	0.02
237.583	0.00	0.01	0.024	O	|	|	|	0.02
237.667	0.00	0.01	0.024	O	|	|	|	0.02
237.750	0.00	0.01	0.024	O	|	|	|	0.02
237.833	0.00	0.01	0.024	O	|	|	|	0.02
237.917	0.00	0.01	0.024	O	|	|	|	0.02
238.000	0.00	0.01	0.024	O	|	|	|	0.02
238.083	0.00	0.01	0.024	O	|	|	|	0.02
238.167	0.00	0.01	0.024	O	|	|	|	0.02
238.250	0.00	0.01	0.024	O	|	|	|	0.02
238.333	0.00	0.01	0.024	O	|	|	|	0.02
238.417	0.00	0.01	0.024	O	|	|	|	0.02
238.500	0.00	0.01	0.024	O	|	|	|	0.02
238.583	0.00	0.01	0.024	O	|	|	|	0.02
238.667	0.00	0.01	0.024	O	|	|	|	0.02
238.750	0.00	0.01	0.023	O	|	|	|	0.02
238.833	0.00	0.01	0.023	O	|	|	|	0.02
238.917	0.00	0.01	0.023	O	|	|	|	0.02
239.000	0.00	0.01	0.023	O	|	|	|	0.02
239.083	0.00	0.01	0.023	O	|	|	|	0.02
239.167	0.00	0.01	0.023	O	|	|	|	0.02
239.250	0.00	0.01	0.023	O	|	|	|	0.02
239.333	0.00	0.01	0.023	O	|	|	|	0.02
239.417	0.00	0.01	0.023	O	|	|	|	0.02
239.500	0.00	0.01	0.023	O	|	|	|	0.02
239.583	0.00	0.01	0.023	O	|	|	|	0.02
239.667	0.00	0.01	0.023	O	|	|	|	0.02
239.750	0.00	0.01	0.023	O	|	|	|	0.02
239.833	0.00	0.01	0.023	O	|	|	|	0.02
239.917	0.00	0.01	0.023	O	|	|	|	0.02
240.000	0.00	0.01	0.023	O	|	|	|	0.02
240.083	0.00	0.01	0.023	O	|	|	|	0.02
240.167	0.00	0.01	0.023	O	|	|	|	0.02

240.250	0.00	0.01	0.023	O	|	|	|	|	0.02
240.333	0.00	0.01	0.022	O	|	|	|	|	0.02
240.417	0.00	0.01	0.022	O	|	|	|	|	0.02
240.500	0.00	0.01	0.022	O	|	|	|	|	0.02
240.583	0.00	0.01	0.022	O	|	|	|	|	0.02
240.667	0.00	0.01	0.022	O	|	|	|	|	0.02
240.750	0.00	0.01	0.022	O	|	|	|	|	0.02
240.833	0.00	0.01	0.022	O	|	|	|	|	0.02
240.917	0.00	0.01	0.022	O	|	|	|	|	0.02
241.000	0.00	0.01	0.022	O	|	|	|	|	0.02
241.083	0.00	0.01	0.022	O	|	|	|	|	0.02
241.167	0.00	0.01	0.022	O	|	|	|	|	0.02
241.250	0.00	0.01	0.022	O	|	|	|	|	0.02
241.333	0.00	0.01	0.022	O	|	|	|	|	0.02
241.417	0.00	0.01	0.022	O	|	|	|	|	0.02
241.500	0.00	0.01	0.022	O	|	|	|	|	0.02
241.583	0.00	0.01	0.022	O	|	|	|	|	0.01
241.667	0.00	0.01	0.022	O	|	|	|	|	0.01
241.750	0.00	0.01	0.022	O	|	|	|	|	0.01
241.833	0.00	0.01	0.022	O	|	|	|	|	0.01
241.917	0.00	0.01	0.022	O	|	|	|	|	0.01
242.000	0.00	0.01	0.022	O	|	|	|	|	0.01
242.083	0.00	0.01	0.021	O	|	|	|	|	0.01
242.167	0.00	0.01	0.021	O	|	|	|	|	0.01
242.250	0.00	0.01	0.021	O	|	|	|	|	0.01
242.333	0.00	0.01	0.021	O	|	|	|	|	0.01
242.417	0.00	0.01	0.021	O	|	|	|	|	0.01
242.500	0.00	0.01	0.021	O	|	|	|	|	0.01
242.583	0.00	0.01	0.021	O	|	|	|	|	0.01
242.667	0.00	0.01	0.021	O	|	|	|	|	0.01
242.750	0.00	0.01	0.021	O	|	|	|	|	0.01
242.833	0.00	0.01	0.021	O	|	|	|	|	0.01
242.917	0.00	0.01	0.021	O	|	|	|	|	0.01
243.000	0.00	0.01	0.021	O	|	|	|	|	0.01
243.083	0.00	0.01	0.021	O	|	|	|	|	0.01
243.167	0.00	0.01	0.021	O	|	|	|	|	0.01
243.250	0.00	0.01	0.021	O	|	|	|	|	0.01
243.333	0.00	0.01	0.021	O	|	|	|	|	0.01
243.417	0.00	0.01	0.021	O	|	|	|	|	0.01
243.500	0.00	0.01	0.021	O	|	|	|	|	0.01
243.583	0.00	0.01	0.021	O	|	|	|	|	0.01
243.667	0.00	0.01	0.021	O	|	|	|	|	0.01
243.750	0.00	0.01	0.021	O	|	|	|	|	0.01
243.833	0.00	0.01	0.020	O	|	|	|	|	0.01
243.917	0.00	0.01	0.020	O	|	|	|	|	0.01
244.000	0.00	0.01	0.020	O	|	|	|	|	0.01
244.083	0.00	0.01	0.020	O	|	|	|	|	0.01
244.167	0.00	0.01	0.020	O	|	|	|	|	0.01
244.250	0.00	0.01	0.020	O	|	|	|	|	0.01
244.333	0.00	0.01	0.020	O	|	|	|	|	0.01
244.417	0.00	0.01	0.020	O	|	|	|	|	0.01
244.500	0.00	0.01	0.020	O	|	|	|	|	0.01
244.583	0.00	0.01	0.020	O	|	|	|	|	0.01
244.667	0.00	0.01	0.020	O	|	|	|	|	0.01
244.750	0.00	0.01	0.020	O	|	|	|	|	0.01
244.833	0.00	0.01	0.020	O	|	|	|	|	0.01
244.917	0.00	0.01	0.020	O	|	|	|	|	0.01
245.000	0.00	0.01	0.020	O	|	|	|	|	0.01
245.083	0.00	0.01	0.020	O	|	|	|	|	0.01
245.167	0.00	0.01	0.020	O	|	|	|	|	0.01
245.250	0.00	0.01	0.020	O	|	|	|	|	0.01
245.333	0.00	0.01	0.020	O	|	|	|	|	0.01
245.417	0.00	0.01	0.020	O	|	|	|	|	0.01
245.500	0.00	0.01	0.020	O	|	|	|	|	0.01
245.583	0.00	0.01	0.020	O	|	|	|	|	0.01
245.667	0.00	0.01	0.019	O	|	|	|	|	0.01
245.750	0.00	0.01	0.019	O	|	|	|	|	0.01

245.833	0.00	0.01	0.019	O	|	|	|	|	0.01
245.917	0.00	0.01	0.019	O	|	|	|	|	0.01
246.000	0.00	0.01	0.019	O	|	|	|	|	0.01
246.083	0.00	0.01	0.019	O	|	|	|	|	0.01
246.167	0.00	0.01	0.019	O	|	|	|	|	0.01
246.250	0.00	0.01	0.019	O	|	|	|	|	0.01
246.333	0.00	0.01	0.019	O	|	|	|	|	0.01
246.417	0.00	0.01	0.019	O	|	|	|	|	0.01
246.500	0.00	0.01	0.019	O	|	|	|	|	0.01
246.583	0.00	0.01	0.019	O	|	|	|	|	0.01
246.667	0.00	0.01	0.019	O	|	|	|	|	0.01
246.750	0.00	0.01	0.019	O	|	|	|	|	0.01
246.833	0.00	0.01	0.019	O	|	|	|	|	0.01
246.917	0.00	0.01	0.019	O	|	|	|	|	0.01
247.000	0.00	0.01	0.019	O	|	|	|	|	0.01
247.083	0.00	0.01	0.019	O	|	|	|	|	0.01
247.167	0.00	0.01	0.019	O	|	|	|	|	0.01
247.250	0.00	0.01	0.019	O	|	|	|	|	0.01
247.333	0.00	0.01	0.019	O	|	|	|	|	0.01
247.417	0.00	0.01	0.019	O	|	|	|	|	0.01
247.500	0.00	0.01	0.019	O	|	|	|	|	0.01
247.583	0.00	0.01	0.019	O	|	|	|	|	0.01
247.667	0.00	0.01	0.018	O	|	|	|	|	0.01
247.750	0.00	0.01	0.018	O	|	|	|	|	0.01
247.833	0.00	0.01	0.018	O	|	|	|	|	0.01
247.917	0.00	0.01	0.018	O	|	|	|	|	0.01
248.000	0.00	0.01	0.018	O	|	|	|	|	0.01
248.083	0.00	0.01	0.018	O	|	|	|	|	0.01
248.167	0.00	0.01	0.018	O	|	|	|	|	0.01
248.250	0.00	0.01	0.018	O	|	|	|	|	0.01
248.333	0.00	0.01	0.018	O	|	|	|	|	0.01
248.417	0.00	0.01	0.018	O	|	|	|	|	0.01
248.500	0.00	0.01	0.018	O	|	|	|	|	0.01
248.583	0.00	0.01	0.018	O	|	|	|	|	0.01
248.667	0.00	0.01	0.018	O	|	|	|	|	0.01
248.750	0.00	0.01	0.018	O	|	|	|	|	0.01
248.833	0.00	0.01	0.018	O	|	|	|	|	0.01
248.917	0.00	0.01	0.018	O	|	|	|	|	0.01
249.000	0.00	0.01	0.018	O	|	|	|	|	0.01
249.083	0.00	0.01	0.018	O	|	|	|	|	0.01
249.167	0.00	0.01	0.018	O	|	|	|	|	0.01
249.250	0.00	0.01	0.018	O	|	|	|	|	0.01
249.333	0.00	0.01	0.018	O	|	|	|	|	0.01
249.417	0.00	0.01	0.018	O	|	|	|	|	0.01
249.500	0.00	0.01	0.018	O	|	|	|	|	0.01
249.583	0.00	0.01	0.018	O	|	|	|	|	0.01
249.667	0.00	0.01	0.018	O	|	|	|	|	0.01
249.750	0.00	0.01	0.017	O	|	|	|	|	0.01
249.833	0.00	0.01	0.017	O	|	|	|	|	0.01
249.917	0.00	0.01	0.017	O	|	|	|	|	0.01
250.000	0.00	0.01	0.017	O	|	|	|	|	0.01
250.083	0.00	0.01	0.017	O	|	|	|	|	0.01
250.167	0.00	0.01	0.017	O	|	|	|	|	0.01
250.250	0.00	0.01	0.017	O	|	|	|	|	0.01
250.333	0.00	0.01	0.017	O	|	|	|	|	0.01
250.417	0.00	0.01	0.017	O	|	|	|	|	0.01
250.500	0.00	0.01	0.017	O	|	|	|	|	0.01
250.583	0.00	0.01	0.017	O	|	|	|	|	0.01
250.667	0.00	0.01	0.017	O	|	|	|	|	0.01
250.750	0.00	0.01	0.017	O	|	|	|	|	0.01
250.833	0.00	0.01	0.017	O	|	|	|	|	0.01
250.917	0.00	0.01	0.017	O	|	|	|	|	0.01
251.000	0.00	0.01	0.017	O	|	|	|	|	0.01
251.083	0.00	0.01	0.017	O	|	|	|	|	0.01
251.167	0.00	0.01	0.017	O	|	|	|	|	0.01
251.250	0.00	0.01	0.017	O	|	|	|	|	0.01
251.333	0.00	0.01	0.017	O	|	|	|	|	0.01

251.417	0.00	0.01	0.017	O	|	|	|	|	0.01
251.500	0.00	0.01	0.017	O	|	|	|	|	0.01
251.583	0.00	0.01	0.017	O	|	|	|	|	0.01
251.667	0.00	0.01	0.017	O	|	|	|	|	0.01
251.750	0.00	0.01	0.017	O	|	|	|	|	0.01
251.833	0.00	0.01	0.017	O	|	|	|	|	0.01
251.917	0.00	0.01	0.016	O	|	|	|	|	0.01
252.000	0.00	0.01	0.016	O	|	|	|	|	0.01
252.083	0.00	0.01	0.016	O	|	|	|	|	0.01
252.167	0.00	0.01	0.016	O	|	|	|	|	0.01
252.250	0.00	0.01	0.016	O	|	|	|	|	0.01
252.333	0.00	0.01	0.016	O	|	|	|	|	0.01
252.417	0.00	0.01	0.016	O	|	|	|	|	0.01
252.500	0.00	0.01	0.016	O	|	|	|	|	0.01
252.583	0.00	0.01	0.016	O	|	|	|	|	0.01
252.667	0.00	0.01	0.016	O	|	|	|	|	0.01
252.750	0.00	0.01	0.016	O	|	|	|	|	0.01
252.833	0.00	0.01	0.016	O	|	|	|	|	0.01
252.917	0.00	0.01	0.016	O	|	|	|	|	0.01
253.000	0.00	0.01	0.016	O	|	|	|	|	0.01
253.083	0.00	0.01	0.016	O	|	|	|	|	0.01
253.167	0.00	0.01	0.016	O	|	|	|	|	0.01
253.250	0.00	0.01	0.016	O	|	|	|	|	0.01
253.333	0.00	0.01	0.016	O	|	|	|	|	0.01
253.417	0.00	0.01	0.016	O	|	|	|	|	0.01
253.500	0.00	0.01	0.016	O	|	|	|	|	0.01
253.583	0.00	0.01	0.016	O	|	|	|	|	0.01
253.667	0.00	0.01	0.016	O	|	|	|	|	0.01
253.750	0.00	0.01	0.016	O	|	|	|	|	0.01
253.833	0.00	0.01	0.016	O	|	|	|	|	0.01
253.917	0.00	0.01	0.016	O	|	|	|	|	0.01
254.000	0.00	0.01	0.016	O	|	|	|	|	0.01
254.083	0.00	0.01	0.016	O	|	|	|	|	0.01
254.167	0.00	0.01	0.016	O	|	|	|	|	0.01
254.250	0.00	0.01	0.015	O	|	|	|	|	0.01
254.333	0.00	0.01	0.015	O	|	|	|	|	0.01
254.417	0.00	0.00	0.015	O	|	|	|	|	0.01
254.500	0.00	0.00	0.015	O	|	|	|	|	0.01
254.583	0.00	0.00	0.015	O	|	|	|	|	0.01
254.667	0.00	0.00	0.015	O	|	|	|	|	0.01
254.750	0.00	0.00	0.015	O	|	|	|	|	0.01
254.833	0.00	0.00	0.015	O	|	|	|	|	0.01
254.917	0.00	0.00	0.015	O	|	|	|	|	0.01
255.000	0.00	0.00	0.015	O	|	|	|	|	0.01
255.083	0.00	0.00	0.015	O	|	|	|	|	0.01
255.167	0.00	0.00	0.015	O	|	|	|	|	0.01
255.250	0.00	0.00	0.015	O	|	|	|	|	0.01
255.333	0.00	0.00	0.015	O	|	|	|	|	0.01
255.417	0.00	0.00	0.015	O	|	|	|	|	0.01
255.500	0.00	0.00	0.015	O	|	|	|	|	0.01
255.583	0.00	0.00	0.015	O	|	|	|	|	0.01
255.667	0.00	0.00	0.015	O	|	|	|	|	0.01
255.750	0.00	0.00	0.015	O	|	|	|	|	0.01
255.833	0.00	0.00	0.015	O	|	|	|	|	0.01
255.917	0.00	0.00	0.015	O	|	|	|	|	0.01
256.000	0.00	0.00	0.015	O	|	|	|	|	0.01
256.083	0.00	0.00	0.015	O	|	|	|	|	0.01
256.167	0.00	0.00	0.015	O	|	|	|	|	0.01
256.250	0.00	0.00	0.015	O	|	|	|	|	0.01
256.333	0.00	0.00	0.015	O	|	|	|	|	0.01
256.417	0.00	0.00	0.015	O	|	|	|	|	0.01
256.500	0.00	0.00	0.015	O	|	|	|	|	0.01
256.583	0.00	0.00	0.015	O	|	|	|	|	0.01
256.667	0.00	0.00	0.015	O	|	|	|	|	0.01
256.750	0.00	0.00	0.014	O	|	|	|	|	0.01
256.833	0.00	0.00	0.014	O	|	|	|	|	0.01
256.917	0.00	0.00	0.014	O	|	|	|	|	0.01

257.000	0.00	0.00	0.014	O	|	|	|	|	0.01
257.083	0.00	0.00	0.014	O	|	|	|	|	0.01
257.167	0.00	0.00	0.014	O	|	|	|	|	0.01
257.250	0.00	0.00	0.014	O	|	|	|	|	0.01
257.333	0.00	0.00	0.014	O	|	|	|	|	0.01
257.417	0.00	0.00	0.014	O	|	|	|	|	0.01
257.500	0.00	0.00	0.014	O	|	|	|	|	0.01
257.583	0.00	0.00	0.014	O	|	|	|	|	0.01
257.667	0.00	0.00	0.014	O	|	|	|	|	0.01
257.750	0.00	0.00	0.014	O	|	|	|	|	0.01
257.833	0.00	0.00	0.014	O	|	|	|	|	0.01
257.917	0.00	0.00	0.014	O	|	|	|	|	0.01
258.000	0.00	0.00	0.014	O	|	|	|	|	0.01
258.083	0.00	0.00	0.014	O	|	|	|	|	0.01
258.167	0.00	0.00	0.014	O	|	|	|	|	0.01
258.250	0.00	0.00	0.014	O	|	|	|	|	0.01
258.333	0.00	0.00	0.014	O	|	|	|	|	0.01
258.417	0.00	0.00	0.014	O	|	|	|	|	0.01
258.500	0.00	0.00	0.014	O	|	|	|	|	0.01
258.583	0.00	0.00	0.014	O	|	|	|	|	0.01
258.667	0.00	0.00	0.014	O	|	|	|	|	0.01
258.750	0.00	0.00	0.014	O	|	|	|	|	0.01
258.833	0.00	0.00	0.014	O	|	|	|	|	0.01
258.917	0.00	0.00	0.014	O	|	|	|	|	0.01
259.000	0.00	0.00	0.014	O	|	|	|	|	0.01
259.083	0.00	0.00	0.014	O	|	|	|	|	0.01
259.167	0.00	0.00	0.014	O	|	|	|	|	0.01
259.250	0.00	0.00	0.014	O	|	|	|	|	0.01
259.333	0.00	0.00	0.014	O	|	|	|	|	0.01
259.417	0.00	0.00	0.013	O	|	|	|	|	0.01
259.500	0.00	0.00	0.013	O	|	|	|	|	0.01
259.583	0.00	0.00	0.013	O	|	|	|	|	0.01
259.667	0.00	0.00	0.013	O	|	|	|	|	0.01
259.750	0.00	0.00	0.013	O	|	|	|	|	0.01
259.833	0.00	0.00	0.013	O	|	|	|	|	0.01
259.917	0.00	0.00	0.013	O	|	|	|	|	0.01
260.000	0.00	0.00	0.013	O	|	|	|	|	0.01
260.083	0.00	0.00	0.013	O	|	|	|	|	0.01
260.167	0.00	0.00	0.013	O	|	|	|	|	0.01
260.250	0.00	0.00	0.013	O	|	|	|	|	0.01
260.333	0.00	0.00	0.013	O	|	|	|	|	0.01
260.417	0.00	0.00	0.013	O	|	|	|	|	0.01
260.500	0.00	0.00	0.013	O	|	|	|	|	0.01
260.583	0.00	0.00	0.013	O	|	|	|	|	0.01
260.667	0.00	0.00	0.013	O	|	|	|	|	0.01
260.750	0.00	0.00	0.013	O	|	|	|	|	0.01
260.833	0.00	0.00	0.013	O	|	|	|	|	0.01
260.917	0.00	0.00	0.013	O	|	|	|	|	0.01
261.000	0.00	0.00	0.013	O	|	|	|	|	0.01
261.083	0.00	0.00	0.013	O	|	|	|	|	0.01
261.167	0.00	0.00	0.013	O	|	|	|	|	0.01
261.250	0.00	0.00	0.013	O	|	|	|	|	0.01
261.333	0.00	0.00	0.013	O	|	|	|	|	0.01
261.417	0.00	0.00	0.013	O	|	|	|	|	0.01
261.500	0.00	0.00	0.013	O	|	|	|	|	0.01
261.583	0.00	0.00	0.013	O	|	|	|	|	0.01
261.667	0.00	0.00	0.013	O	|	|	|	|	0.01
261.750	0.00	0.00	0.013	O	|	|	|	|	0.01
261.833	0.00	0.00	0.013	O	|	|	|	|	0.01
261.917	0.00	0.00	0.013	O	|	|	|	|	0.01
262.000	0.00	0.00	0.013	O	|	|	|	|	0.01
262.083	0.00	0.00	0.013	O	|	|	|	|	0.01
262.167	0.00	0.00	0.013	O	|	|	|	|	0.01
262.250	0.00	0.00	0.013	O	|	|	|	|	0.01
262.333	0.00	0.00	0.012	O	|	|	|	|	0.01
262.417	0.00	0.00	0.012	O	|	|	|	|	0.01
262.500	0.00	0.00	0.012	O	|	|	|	|	0.01

262.583	0.00	0.00	0.012	O	|	|	|	|	0.01
262.667	0.00	0.00	0.012	O	|	|	|	|	0.01
262.750	0.00	0.00	0.012	O	|	|	|	|	0.01
262.833	0.00	0.00	0.012	O	|	|	|	|	0.01
262.917	0.00	0.00	0.012	O	|	|	|	|	0.01
263.000	0.00	0.00	0.012	O	|	|	|	|	0.01
263.083	0.00	0.00	0.012	O	|	|	|	|	0.01
263.167	0.00	0.00	0.012	O	|	|	|	|	0.01
263.250	0.00	0.00	0.012	O	|	|	|	|	0.01
263.333	0.00	0.00	0.012	O	|	|	|	|	0.01
263.417	0.00	0.00	0.012	O	|	|	|	|	0.01
263.500	0.00	0.00	0.012	O	|	|	|	|	0.01
263.583	0.00	0.00	0.012	O	|	|	|	|	0.01
263.667	0.00	0.00	0.012	O	|	|	|	|	0.01
263.750	0.00	0.00	0.012	O	|	|	|	|	0.01
263.833	0.00	0.00	0.012	O	|	|	|	|	0.01
263.917	0.00	0.00	0.012	O	|	|	|	|	0.01
264.000	0.00	0.00	0.012	O	|	|	|	|	0.01
264.083	0.00	0.00	0.012	O	|	|	|	|	0.01
264.167	0.00	0.00	0.012	O	|	|	|	|	0.01
264.250	0.00	0.00	0.012	O	|	|	|	|	0.01
264.333	0.00	0.00	0.012	O	|	|	|	|	0.01
264.417	0.00	0.00	0.012	O	|	|	|	|	0.01
264.500	0.00	0.00	0.012	O	|	|	|	|	0.01
264.583	0.00	0.00	0.012	O	|	|	|	|	0.01
264.667	0.00	0.00	0.012	O	|	|	|	|	0.01
264.750	0.00	0.00	0.012	O	|	|	|	|	0.01
264.833	0.00	0.00	0.012	O	|	|	|	|	0.01
264.917	0.00	0.00	0.012	O	|	|	|	|	0.01
265.000	0.00	0.00	0.012	O	|	|	|	|	0.01
265.083	0.00	0.00	0.012	O	|	|	|	|	0.01
265.167	0.00	0.00	0.012	O	|	|	|	|	0.01
265.250	0.00	0.00	0.012	O	|	|	|	|	0.01
265.333	0.00	0.00	0.012	O	|	|	|	|	0.01
265.417	0.00	0.00	0.011	O	|	|	|	|	0.01
265.500	0.00	0.00	0.011	O	|	|	|	|	0.01
265.583	0.00	0.00	0.011	O	|	|	|	|	0.01
265.667	0.00	0.00	0.011	O	|	|	|	|	0.01
265.750	0.00	0.00	0.011	O	|	|	|	|	0.01
265.833	0.00	0.00	0.011	O	|	|	|	|	0.01
265.917	0.00	0.00	0.011	O	|	|	|	|	0.01
266.000	0.00	0.00	0.011	O	|	|	|	|	0.01
266.083	0.00	0.00	0.011	O	|	|	|	|	0.01
266.167	0.00	0.00	0.011	O	|	|	|	|	0.01
266.250	0.00	0.00	0.011	O	|	|	|	|	0.01
266.333	0.00	0.00	0.011	O	|	|	|	|	0.01
266.417	0.00	0.00	0.011	O	|	|	|	|	0.01
266.500	0.00	0.00	0.011	O	|	|	|	|	0.01
266.583	0.00	0.00	0.011	O	|	|	|	|	0.01
266.667	0.00	0.00	0.011	O	|	|	|	|	0.01
266.750	0.00	0.00	0.011	O	|	|	|	|	0.01
266.833	0.00	0.00	0.011	O	|	|	|	|	0.01
266.917	0.00	0.00	0.011	O	|	|	|	|	0.01
267.000	0.00	0.00	0.011	O	|	|	|	|	0.01
267.083	0.00	0.00	0.011	O	|	|	|	|	0.01
267.167	0.00	0.00	0.011	O	|	|	|	|	0.01
267.250	0.00	0.00	0.011	O	|	|	|	|	0.01
267.333	0.00	0.00	0.011	O	|	|	|	|	0.01
267.417	0.00	0.00	0.011	O	|	|	|	|	0.01
267.500	0.00	0.00	0.011	O	|	|	|	|	0.01
267.583	0.00	0.00	0.011	O	|	|	|	|	0.01
267.667	0.00	0.00	0.011	O	|	|	|	|	0.01
267.750	0.00	0.00	0.011	O	|	|	|	|	0.01
267.833	0.00	0.00	0.011	O	|	|	|	|	0.01
267.917	0.00	0.00	0.011	O	|	|	|	|	0.01
268.000	0.00	0.00	0.011	O	|	|	|	|	0.01
268.083	0.00	0.00	0.011	O	|	|	|	|	0.01

268.167	0.00	0.00	0.011	O	|	|	|	|	0.01
268.250	0.00	0.00	0.011	O	|	|	|	|	0.01
268.333	0.00	0.00	0.011	O	|	|	|	|	0.01
268.417	0.00	0.00	0.011	O	|	|	|	|	0.01
268.500	0.00	0.00	0.011	O	|	|	|	|	0.01
268.583	0.00	0.00	0.011	O	|	|	|	|	0.01
268.667	0.00	0.00	0.011	O	|	|	|	|	0.01
268.750	0.00	0.00	0.011	O	|	|	|	|	0.01
268.833	0.00	0.00	0.010	O	|	|	|	|	0.01
268.917	0.00	0.00	0.010	O	|	|	|	|	0.01
269.000	0.00	0.00	0.010	O	|	|	|	|	0.01
269.083	0.00	0.00	0.010	O	|	|	|	|	0.01
269.167	0.00	0.00	0.010	O	|	|	|	|	0.01
269.250	0.00	0.00	0.010	O	|	|	|	|	0.01
269.333	0.00	0.00	0.010	O	|	|	|	|	0.01
269.417	0.00	0.00	0.010	O	|	|	|	|	0.01
269.500	0.00	0.00	0.010	O	|	|	|	|	0.01
269.583	0.00	0.00	0.010	O	|	|	|	|	0.01
269.667	0.00	0.00	0.010	O	|	|	|	|	0.01
269.750	0.00	0.00	0.010	O	|	|	|	|	0.01
269.833	0.00	0.00	0.010	O	|	|	|	|	0.01
269.917	0.00	0.00	0.010	O	|	|	|	|	0.01
270.000	0.00	0.00	0.010	O	|	|	|	|	0.01
270.083	0.00	0.00	0.010	O	|	|	|	|	0.01
270.167	0.00	0.00	0.010	O	|	|	|	|	0.01
270.250	0.00	0.00	0.010	O	|	|	|	|	0.01
270.333	0.00	0.00	0.010	O	|	|	|	|	0.01
270.417	0.00	0.00	0.010	O	|	|	|	|	0.01
270.500	0.00	0.00	0.010	O	|	|	|	|	0.01
270.583	0.00	0.00	0.010	O	|	|	|	|	0.01
270.667	0.00	0.00	0.010	O	|	|	|	|	0.01
270.750	0.00	0.00	0.010	O	|	|	|	|	0.01
270.833	0.00	0.00	0.010	O	|	|	|	|	0.01
270.917	0.00	0.00	0.010	O	|	|	|	|	0.01
271.000	0.00	0.00	0.010	O	|	|	|	|	0.01
271.083	0.00	0.00	0.010	O	|	|	|	|	0.01
271.167	0.00	0.00	0.010	O	|	|	|	|	0.01
271.250	0.00	0.00	0.010	O	|	|	|	|	0.01
271.333	0.00	0.00	0.010	O	|	|	|	|	0.01
271.417	0.00	0.00	0.010	O	|	|	|	|	0.01
271.500	0.00	0.00	0.010	O	|	|	|	|	0.01
271.583	0.00	0.00	0.010	O	|	|	|	|	0.01
271.667	0.00	0.00	0.010	O	|	|	|	|	0.01
271.750	0.00	0.00	0.010	O	|	|	|	|	0.01
271.833	0.00	0.00	0.010	O	|	|	|	|	0.01
271.917	0.00	0.00	0.010	O	|	|	|	|	0.01
272.000	0.00	0.00	0.010	O	|	|	|	|	0.01
272.083	0.00	0.00	0.010	O	|	|	|	|	0.01
272.167	0.00	0.00	0.010	O	|	|	|	|	0.01
272.250	0.00	0.00	0.010	O	|	|	|	|	0.01
272.333	0.00	0.00	0.010	O	|	|	|	|	0.01
272.417	0.00	0.00	0.010	O	|	|	|	|	0.01
272.500	0.00	0.00	0.009	O	|	|	|	|	0.01
272.583	0.00	0.00	0.009	O	|	|	|	|	0.01
272.667	0.00	0.00	0.009	O	|	|	|	|	0.01
272.750	0.00	0.00	0.009	O	|	|	|	|	0.01
272.833	0.00	0.00	0.009	O	|	|	|	|	0.01
272.917	0.00	0.00	0.009	O	|	|	|	|	0.01
273.000	0.00	0.00	0.009	O	|	|	|	|	0.01
273.083	0.00	0.00	0.009	O	|	|	|	|	0.01
273.167	0.00	0.00	0.009	O	|	|	|	|	0.01
273.250	0.00	0.00	0.009	O	|	|	|	|	0.01
273.333	0.00	0.00	0.009	O	|	|	|	|	0.01
273.417	0.00	0.00	0.009	O	|	|	|	|	0.01
273.500	0.00	0.00	0.009	O	|	|	|	|	0.01
273.583	0.00	0.00	0.009	O	|	|	|	|	0.01
273.667	0.00	0.00	0.009	O	|	|	|	|	0.01

273.750	0.00	0.00	0.009	O	|	|	|	0.01
273.833	0.00	0.00	0.009	O	|	|	|	0.01
273.917	0.00	0.00	0.009	O	|	|	|	0.01
274.000	0.00	0.00	0.009	O	|	|	|	0.01
274.083	0.00	0.00	0.009	O	|	|	|	0.01
274.167	0.00	0.00	0.009	O	|	|	|	0.01
274.250	0.00	0.00	0.009	O	|	|	|	0.01
274.333	0.00	0.00	0.009	O	|	|	|	0.01
274.417	0.00	0.00	0.009	O	|	|	|	0.01
274.500	0.00	0.00	0.009	O	|	|	|	0.01
274.583	0.00	0.00	0.009	O	|	|	|	0.01
274.667	0.00	0.00	0.009	O	|	|	|	0.01
274.750	0.00	0.00	0.009	O	|	|	|	0.01
274.833	0.00	0.00	0.009	O	|	|	|	0.01
274.917	0.00	0.00	0.009	O	|	|	|	0.01
275.000	0.00	0.00	0.009	O	|	|	|	0.01
275.083	0.00	0.00	0.009	O	|	|	|	0.01
275.167	0.00	0.00	0.009	O	|	|	|	0.01
275.250	0.00	0.00	0.009	O	|	|	|	0.01
275.333	0.00	0.00	0.009	O	|	|	|	0.01
275.417	0.00	0.00	0.009	O	|	|	|	0.01
275.500	0.00	0.00	0.009	O	|	|	|	0.01
275.583	0.00	0.00	0.009	O	|	|	|	0.01
275.667	0.00	0.00	0.009	O	|	|	|	0.01
275.750	0.00	0.00	0.009	O	|	|	|	0.01
275.833	0.00	0.00	0.009	O	|	|	|	0.01
275.917	0.00	0.00	0.009	O	|	|	|	0.01
276.000	0.00	0.00	0.009	O	|	|	|	0.01
276.083	0.00	0.00	0.009	O	|	|	|	0.01
276.167	0.00	0.00	0.009	O	|	|	|	0.01
276.250	0.00	0.00	0.009	O	|	|	|	0.01
276.333	0.00	0.00	0.009	O	|	|	|	0.01
276.417	0.00	0.00	0.009	O	|	|	|	0.01
276.500	0.00	0.00	0.009	O	|	|	|	0.01
276.583	0.00	0.00	0.009	O	|	|	|	0.01
276.667	0.00	0.00	0.008	O	|	|	|	0.01
276.750	0.00	0.00	0.008	O	|	|	|	0.01
276.833	0.00	0.00	0.008	O	|	|	|	0.01
276.917	0.00	0.00	0.008	O	|	|	|	0.01
277.000	0.00	0.00	0.008	O	|	|	|	0.01
277.083	0.00	0.00	0.008	O	|	|	|	0.01
277.167	0.00	0.00	0.008	O	|	|	|	0.01
277.250	0.00	0.00	0.008	O	|	|	|	0.01
277.333	0.00	0.00	0.008	O	|	|	|	0.01
277.417	0.00	0.00	0.008	O	|	|	|	0.01
277.500	0.00	0.00	0.008	O	|	|	|	0.01
277.583	0.00	0.00	0.008	O	|	|	|	0.01
277.667	0.00	0.00	0.008	O	|	|	|	0.01
277.750	0.00	0.00	0.008	O	|	|	|	0.01
277.833	0.00	0.00	0.008	O	|	|	|	0.01
277.917	0.00	0.00	0.008	O	|	|	|	0.01
278.000	0.00	0.00	0.008	O	|	|	|	0.01
278.083	0.00	0.00	0.008	O	|	|	|	0.01
278.167	0.00	0.00	0.008	O	|	|	|	0.01
278.250	0.00	0.00	0.008	O	|	|	|	0.01
278.333	0.00	0.00	0.008	O	|	|	|	0.01
278.417	0.00	0.00	0.008	O	|	|	|	0.01
278.500	0.00	0.00	0.008	O	|	|	|	0.01
278.583	0.00	0.00	0.008	O	|	|	|	0.01
278.667	0.00	0.00	0.008	O	|	|	|	0.01
278.750	0.00	0.00	0.008	O	|	|	|	0.01
278.833	0.00	0.00	0.008	O	|	|	|	0.01
278.917	0.00	0.00	0.008	O	|	|	|	0.01
279.000	0.00	0.00	0.008	O	|	|	|	0.01
279.083	0.00	0.00	0.008	O	|	|	|	0.01
279.167	0.00	0.00	0.008	O	|	|	|	0.01
279.250	0.00	0.00	0.008	O	|	|	|	0.01

279.333	0.00	0.00	0.008	O	|	|	|	|	0.01
279.417	0.00	0.00	0.008	O	|	|	|	|	0.01
279.500	0.00	0.00	0.008	O	|	|	|	|	0.01
279.583	0.00	0.00	0.008	O	|	|	|	|	0.01
279.667	0.00	0.00	0.008	O	|	|	|	|	0.01
279.750	0.00	0.00	0.008	O	|	|	|	|	0.01
279.833	0.00	0.00	0.008	O	|	|	|	|	0.01
279.917	0.00	0.00	0.008	O	|	|	|	|	0.01
280.000	0.00	0.00	0.008	O	|	|	|	|	0.01
280.083	0.00	0.00	0.008	O	|	|	|	|	0.01
280.167	0.00	0.00	0.008	O	|	|	|	|	0.01
280.250	0.00	0.00	0.008	O	|	|	|	|	0.01
280.333	0.00	0.00	0.008	O	|	|	|	|	0.01
280.417	0.00	0.00	0.008	O	|	|	|	|	0.01
280.500	0.00	0.00	0.008	O	|	|	|	|	0.01
280.583	0.00	0.00	0.008	O	|	|	|	|	0.01
280.667	0.00	0.00	0.008	O	|	|	|	|	0.01
280.750	0.00	0.00	0.008	O	|	|	|	|	0.01
280.833	0.00	0.00	0.008	O	|	|	|	|	0.01
280.917	0.00	0.00	0.008	O	|	|	|	|	0.01
281.000	0.00	0.00	0.008	O	|	|	|	|	0.01
281.083	0.00	0.00	0.008	O	|	|	|	|	0.01
281.167	0.00	0.00	0.008	O	|	|	|	|	0.01
281.250	0.00	0.00	0.008	O	|	|	|	|	0.01
281.333	0.00	0.00	0.007	O	|	|	|	|	0.01
281.417	0.00	0.00	0.007	O	|	|	|	|	0.01
281.500	0.00	0.00	0.007	O	|	|	|	|	0.01
281.583	0.00	0.00	0.007	O	|	|	|	|	0.01
281.667	0.00	0.00	0.007	O	|	|	|	|	0.01
281.750	0.00	0.00	0.007	O	|	|	|	|	0.01
281.833	0.00	0.00	0.007	O	|	|	|	|	0.01
281.917	0.00	0.00	0.007	O	|	|	|	|	0.01
282.000	0.00	0.00	0.007	O	|	|	|	|	0.01
282.083	0.00	0.00	0.007	O	|	|	|	|	0.01
282.167	0.00	0.00	0.007	O	|	|	|	|	0.01
282.250	0.00	0.00	0.007	O	|	|	|	|	0.01
282.333	0.00	0.00	0.007	O	|	|	|	|	0.01
282.417	0.00	0.00	0.007	O	|	|	|	|	0.01
282.500	0.00	0.00	0.007	O	|	|	|	|	0.01
282.583	0.00	0.00	0.007	O	|	|	|	|	0.01
282.667	0.00	0.00	0.007	O	|	|	|	|	0.00
282.750	0.00	0.00	0.007	O	|	|	|	|	0.00
282.833	0.00	0.00	0.007	O	|	|	|	|	0.00
282.917	0.00	0.00	0.007	O	|	|	|	|	0.00
283.000	0.00	0.00	0.007	O	|	|	|	|	0.00
283.083	0.00	0.00	0.007	O	|	|	|	|	0.00
283.167	0.00	0.00	0.007	O	|	|	|	|	0.00
283.250	0.00	0.00	0.007	O	|	|	|	|	0.00
283.333	0.00	0.00	0.007	O	|	|	|	|	0.00
283.417	0.00	0.00	0.007	O	|	|	|	|	0.00
283.500	0.00	0.00	0.007	O	|	|	|	|	0.00
283.583	0.00	0.00	0.007	O	|	|	|	|	0.00
283.667	0.00	0.00	0.007	O	|	|	|	|	0.00
283.750	0.00	0.00	0.007	O	|	|	|	|	0.00
283.833	0.00	0.00	0.007	O	|	|	|	|	0.00
283.917	0.00	0.00	0.007	O	|	|	|	|	0.00
284.000	0.00	0.00	0.007	O	|	|	|	|	0.00
284.083	0.00	0.00	0.007	O	|	|	|	|	0.00
284.167	0.00	0.00	0.007	O	|	|	|	|	0.00
284.250	0.00	0.00	0.007	O	|	|	|	|	0.00
284.333	0.00	0.00	0.007	O	|	|	|	|	0.00
284.417	0.00	0.00	0.007	O	|	|	|	|	0.00
284.500	0.00	0.00	0.007	O	|	|	|	|	0.00
284.583	0.00	0.00	0.007	O	|	|	|	|	0.00
284.667	0.00	0.00	0.007	O	|	|	|	|	0.00
284.750	0.00	0.00	0.007	O	|	|	|	|	0.00
284.833	0.00	0.00	0.007	O	|	|	|	|	0.00

284.917	0.00	0.00	0.007	O	|	|	|	0.00
285.000	0.00	0.00	0.007	O	|	|	|	0.00
285.083	0.00	0.00	0.007	O	|	|	|	0.00
285.167	0.00	0.00	0.007	O	|	|	|	0.00
285.250	0.00	0.00	0.007	O	|	|	|	0.00
285.333	0.00	0.00	0.007	O	|	|	|	0.00
285.417	0.00	0.00	0.007	O	|	|	|	0.00
285.500	0.00	0.00	0.007	O	|	|	|	0.00
285.583	0.00	0.00	0.007	O	|	|	|	0.00
285.667	0.00	0.00	0.007	O	|	|	|	0.00
285.750	0.00	0.00	0.007	O	|	|	|	0.00
285.833	0.00	0.00	0.007	O	|	|	|	0.00
285.917	0.00	0.00	0.007	O	|	|	|	0.00
286.000	0.00	0.00	0.007	O	|	|	|	0.00
286.083	0.00	0.00	0.007	O	|	|	|	0.00
286.167	0.00	0.00	0.007	O	|	|	|	0.00
286.250	0.00	0.00	0.007	O	|	|	|	0.00
286.333	0.00	0.00	0.007	O	|	|	|	0.00
286.417	0.00	0.00	0.007	O	|	|	|	0.00
286.500	0.00	0.00	0.007	O	|	|	|	0.00
286.583	0.00	0.00	0.007	O	|	|	|	0.00
286.667	0.00	0.00	0.006	O	|	|	|	0.00
286.750	0.00	0.00	0.006	O	|	|	|	0.00
286.833	0.00	0.00	0.006	O	|	|	|	0.00
286.917	0.00	0.00	0.006	O	|	|	|	0.00
287.000	0.00	0.00	0.006	O	|	|	|	0.00
287.083	0.00	0.00	0.006	O	|	|	|	0.00
287.167	0.00	0.00	0.006	O	|	|	|	0.00
287.250	0.00	0.00	0.006	O	|	|	|	0.00
287.333	0.00	0.00	0.006	O	|	|	|	0.00
287.417	0.00	0.00	0.006	O	|	|	|	0.00
287.500	0.00	0.00	0.006	O	|	|	|	0.00
287.583	0.00	0.00	0.006	O	|	|	|	0.00
287.667	0.00	0.00	0.006	O	|	|	|	0.00
287.750	0.00	0.00	0.006	O	|	|	|	0.00
287.833	0.00	0.00	0.006	O	|	|	|	0.00
287.917	0.00	0.00	0.006	O	|	|	|	0.00
288.000	0.00	0.00	0.006	O	|	|	|	0.00
288.083	0.00	0.00	0.006	O	|	|	|	0.00
288.167	0.00	0.00	0.006	O	|	|	|	0.00
288.250	0.00	0.00	0.006	O	|	|	|	0.00
288.333	0.00	0.00	0.006	O	|	|	|	0.00
288.417	0.00	0.00	0.006	O	|	|	|	0.00
288.500	0.00	0.00	0.006	O	|	|	|	0.00
288.583	0.00	0.00	0.006	O	|	|	|	0.00
288.667	0.00	0.00	0.006	O	|	|	|	0.00
288.750	0.00	0.00	0.006	O	|	|	|	0.00
288.833	0.00	0.00	0.006	O	|	|	|	0.00
288.917	0.00	0.00	0.006	O	|	|	|	0.00
289.000	0.00	0.00	0.006	O	|	|	|	0.00
289.083	0.00	0.00	0.006	O	|	|	|	0.00
289.167	0.00	0.00	0.006	O	|	|	|	0.00
289.250	0.00	0.00	0.006	O	|	|	|	0.00
289.333	0.00	0.00	0.006	O	|	|	|	0.00
289.417	0.00	0.00	0.006	O	|	|	|	0.00
289.500	0.00	0.00	0.006	O	|	|	|	0.00
289.583	0.00	0.00	0.006	O	|	|	|	0.00
289.667	0.00	0.00	0.006	O	|	|	|	0.00
289.750	0.00	0.00	0.006	O	|	|	|	0.00
289.833	0.00	0.00	0.006	O	|	|	|	0.00
289.917	0.00	0.00	0.006	O	|	|	|	0.00
290.000	0.00	0.00	0.006	O	|	|	|	0.00
290.083	0.00	0.00	0.006	O	|	|	|	0.00
290.167	0.00	0.00	0.006	O	|	|	|	0.00
290.250	0.00	0.00	0.006	O	|	|	|	0.00
290.333	0.00	0.00	0.006	O	|	|	|	0.00
290.417	0.00	0.00	0.006	O	|	|	|	0.00

290.500	0.00	0.00	0.006	O	|	|	|	0.00
290.583	0.00	0.00	0.006	O	|	|	|	0.00
290.667	0.00	0.00	0.006	O	|	|	|	0.00
290.750	0.00	0.00	0.006	O	|	|	|	0.00
290.833	0.00	0.00	0.006	O	|	|	|	0.00
290.917	0.00	0.00	0.006	O	|	|	|	0.00
291.000	0.00	0.00	0.006	O	|	|	|	0.00
291.083	0.00	0.00	0.006	O	|	|	|	0.00
291.167	0.00	0.00	0.006	O	|	|	|	0.00
291.250	0.00	0.00	0.006	O	|	|	|	0.00
291.333	0.00	0.00	0.006	O	|	|	|	0.00
291.417	0.00	0.00	0.006	O	|	|	|	0.00
291.500	0.00	0.00	0.006	O	|	|	|	0.00
291.583	0.00	0.00	0.006	O	|	|	|	0.00
291.667	0.00	0.00	0.006	O	|	|	|	0.00
291.750	0.00	0.00	0.006	O	|	|	|	0.00
291.833	0.00	0.00	0.006	O	|	|	|	0.00
291.917	0.00	0.00	0.006	O	|	|	|	0.00
292.000	0.00	0.00	0.006	O	|	|	|	0.00
292.083	0.00	0.00	0.006	O	|	|	|	0.00
292.167	0.00	0.00	0.006	O	|	|	|	0.00
292.250	0.00	0.00	0.006	O	|	|	|	0.00
292.333	0.00	0.00	0.006	O	|	|	|	0.00
292.417	0.00	0.00	0.006	O	|	|	|	0.00
292.500	0.00	0.00	0.006	O	|	|	|	0.00
292.583	0.00	0.00	0.006	O	|	|	|	0.00
292.667	0.00	0.00	0.006	O	|	|	|	0.00
292.750	0.00	0.00	0.006	O	|	|	|	0.00
292.833	0.00	0.00	0.006	O	|	|	|	0.00
292.917	0.00	0.00	0.005	O	|	|	|	0.00
293.000	0.00	0.00	0.005	O	|	|	|	0.00
293.083	0.00	0.00	0.005	O	|	|	|	0.00
293.167	0.00	0.00	0.005	O	|	|	|	0.00
293.250	0.00	0.00	0.005	O	|	|	|	0.00
293.333	0.00	0.00	0.005	O	|	|	|	0.00
293.417	0.00	0.00	0.005	O	|	|	|	0.00
293.500	0.00	0.00	0.005	O	|	|	|	0.00
293.583	0.00	0.00	0.005	O	|	|	|	0.00
293.667	0.00	0.00	0.005	O	|	|	|	0.00
293.750	0.00	0.00	0.005	O	|	|	|	0.00
293.833	0.00	0.00	0.005	O	|	|	|	0.00
293.917	0.00	0.00	0.005	O	|	|	|	0.00
294.000	0.00	0.00	0.005	O	|	|	|	0.00
294.083	0.00	0.00	0.005	O	|	|	|	0.00
294.167	0.00	0.00	0.005	O	|	|	|	0.00
294.250	0.00	0.00	0.005	O	|	|	|	0.00
294.333	0.00	0.00	0.005	O	|	|	|	0.00
294.417	0.00	0.00	0.005	O	|	|	|	0.00
294.500	0.00	0.00	0.005	O	|	|	|	0.00
294.583	0.00	0.00	0.005	O	|	|	|	0.00
294.667	0.00	0.00	0.005	O	|	|	|	0.00
294.750	0.00	0.00	0.005	O	|	|	|	0.00
294.833	0.00	0.00	0.005	O	|	|	|	0.00
294.917	0.00	0.00	0.005	O	|	|	|	0.00
295.000	0.00	0.00	0.005	O	|	|	|	0.00
295.083	0.00	0.00	0.005	O	|	|	|	0.00
295.167	0.00	0.00	0.005	O	|	|	|	0.00
295.250	0.00	0.00	0.005	O	|	|	|	0.00
295.333	0.00	0.00	0.005	O	|	|	|	0.00
295.417	0.00	0.00	0.005	O	|	|	|	0.00
295.500	0.00	0.00	0.005	O	|	|	|	0.00
295.583	0.00	0.00	0.005	O	|	|	|	0.00
295.667	0.00	0.00	0.005	O	|	|	|	0.00
295.750	0.00	0.00	0.005	O	|	|	|	0.00
295.833	0.00	0.00	0.005	O	|	|	|	0.00
295.917	0.00	0.00	0.005	O	|	|	|	0.00
296.000	0.00	0.00	0.005	O	|	|	|	0.00

296.083	0.00	0.00	0.005	O	|	|	|	0.00
296.167	0.00	0.00	0.005	O	|	|	|	0.00
296.250	0.00	0.00	0.005	O	|	|	|	0.00
296.333	0.00	0.00	0.005	O	|	|	|	0.00
296.417	0.00	0.00	0.005	O	|	|	|	0.00
296.500	0.00	0.00	0.005	O	|	|	|	0.00
296.583	0.00	0.00	0.005	O	|	|	|	0.00
296.667	0.00	0.00	0.005	O	|	|	|	0.00
296.750	0.00	0.00	0.005	O	|	|	|	0.00
296.833	0.00	0.00	0.005	O	|	|	|	0.00
296.917	0.00	0.00	0.005	O	|	|	|	0.00
297.000	0.00	0.00	0.005	O	|	|	|	0.00
297.083	0.00	0.00	0.005	O	|	|	|	0.00
297.167	0.00	0.00	0.005	O	|	|	|	0.00
297.250	0.00	0.00	0.005	O	|	|	|	0.00
297.333	0.00	0.00	0.005	O	|	|	|	0.00
297.417	0.00	0.00	0.005	O	|	|	|	0.00
297.500	0.00	0.00	0.005	O	|	|	|	0.00
297.583	0.00	0.00	0.005	O	|	|	|	0.00
297.667	0.00	0.00	0.005	O	|	|	|	0.00
297.750	0.00	0.00	0.005	O	|	|	|	0.00
297.833	0.00	0.00	0.005	O	|	|	|	0.00
297.917	0.00	0.00	0.005	O	|	|	|	0.00
298.000	0.00	0.00	0.005	O	|	|	|	0.00
298.083	0.00	0.00	0.005	O	|	|	|	0.00
298.167	0.00	0.00	0.005	O	|	|	|	0.00
298.250	0.00	0.00	0.005	O	|	|	|	0.00
298.333	0.00	0.00	0.005	O	|	|	|	0.00
298.417	0.00	0.00	0.005	O	|	|	|	0.00
298.500	0.00	0.00	0.005	O	|	|	|	0.00
298.583	0.00	0.00	0.005	O	|	|	|	0.00
298.667	0.00	0.00	0.005	O	|	|	|	0.00
298.750	0.00	0.00	0.005	O	|	|	|	0.00
298.833	0.00	0.00	0.005	O	|	|	|	0.00
298.917	0.00	0.00	0.005	O	|	|	|	0.00
299.000	0.00	0.00	0.005	O	|	|	|	0.00
299.083	0.00	0.00	0.005	O	|	|	|	0.00
299.167	0.00	0.00	0.005	O	|	|	|	0.00
299.250	0.00	0.00	0.005	O	|	|	|	0.00
299.333	0.00	0.00	0.005	O	|	|	|	0.00
299.417	0.00	0.00	0.005	O	|	|	|	0.00
299.500	0.00	0.00	0.005	O	|	|	|	0.00
299.583	0.00	0.00	0.005	O	|	|	|	0.00
299.667	0.00	0.00	0.005	O	|	|	|	0.00
299.750	0.00	0.00	0.005	O	|	|	|	0.00
299.833	0.00	0.00	0.005	O	|	|	|	0.00
299.917	0.00	0.00	0.005	O	|	|	|	0.00
300.000	0.00	0.00	0.005	O	|	|	|	0.00
300.083	0.00	0.00	0.005	O	|	|	|	0.00
300.167	0.00	0.00	0.005	O	|	|	|	0.00
300.250	0.00	0.00	0.005	O	|	|	|	0.00
300.333	0.00	0.00	0.005	O	|	|	|	0.00
300.417	0.00	0.00	0.004	O	|	|	|	0.00
300.500	0.00	0.00	0.004	O	|	|	|	0.00
300.583	0.00	0.00	0.004	O	|	|	|	0.00
300.667	0.00	0.00	0.004	O	|	|	|	0.00
300.750	0.00	0.00	0.004	O	|	|	|	0.00
300.833	0.00	0.00	0.004	O	|	|	|	0.00
300.917	0.00	0.00	0.004	O	|	|	|	0.00
301.000	0.00	0.00	0.004	O	|	|	|	0.00
301.083	0.00	0.00	0.004	O	|	|	|	0.00
301.167	0.00	0.00	0.004	O	|	|	|	0.00
301.250	0.00	0.00	0.004	O	|	|	|	0.00
301.333	0.00	0.00	0.004	O	|	|	|	0.00
301.417	0.00	0.00	0.004	O	|	|	|	0.00
301.500	0.00	0.00	0.004	O	|	|	|	0.00
301.583	0.00	0.00	0.004	O	|	|	|	0.00

301.667	0.00	0.00	0.004	O	|	|	|	|	0.00
301.750	0.00	0.00	0.004	O	|	|	|	|	0.00
301.833	0.00	0.00	0.004	O	|	|	|	|	0.00
301.917	0.00	0.00	0.004	O	|	|	|	|	0.00
302.000	0.00	0.00	0.004	O	|	|	|	|	0.00
302.083	0.00	0.00	0.004	O	|	|	|	|	0.00
302.167	0.00	0.00	0.004	O	|	|	|	|	0.00
302.250	0.00	0.00	0.004	O	|	|	|	|	0.00
302.333	0.00	0.00	0.004	O	|	|	|	|	0.00
302.417	0.00	0.00	0.004	O	|	|	|	|	0.00
302.500	0.00	0.00	0.004	O	|	|	|	|	0.00
302.583	0.00	0.00	0.004	O	|	|	|	|	0.00
302.667	0.00	0.00	0.004	O	|	|	|	|	0.00
302.750	0.00	0.00	0.004	O	|	|	|	|	0.00
302.833	0.00	0.00	0.004	O	|	|	|	|	0.00
302.917	0.00	0.00	0.004	O	|	|	|	|	0.00
303.000	0.00	0.00	0.004	O	|	|	|	|	0.00
303.083	0.00	0.00	0.004	O	|	|	|	|	0.00
303.167	0.00	0.00	0.004	O	|	|	|	|	0.00
303.250	0.00	0.00	0.004	O	|	|	|	|	0.00
303.333	0.00	0.00	0.004	O	|	|	|	|	0.00
303.417	0.00	0.00	0.004	O	|	|	|	|	0.00
303.500	0.00	0.00	0.004	O	|	|	|	|	0.00
303.583	0.00	0.00	0.004	O	|	|	|	|	0.00
303.667	0.00	0.00	0.004	O	|	|	|	|	0.00
303.750	0.00	0.00	0.004	O	|	|	|	|	0.00
303.833	0.00	0.00	0.004	O	|	|	|	|	0.00
303.917	0.00	0.00	0.004	O	|	|	|	|	0.00
304.000	0.00	0.00	0.004	O	|	|	|	|	0.00
304.083	0.00	0.00	0.004	O	|	|	|	|	0.00
304.167	0.00	0.00	0.004	O	|	|	|	|	0.00
304.250	0.00	0.00	0.004	O	|	|	|	|	0.00
304.333	0.00	0.00	0.004	O	|	|	|	|	0.00
304.417	0.00	0.00	0.004	O	|	|	|	|	0.00
304.500	0.00	0.00	0.004	O	|	|	|	|	0.00
304.583	0.00	0.00	0.004	O	|	|	|	|	0.00
304.667	0.00	0.00	0.004	O	|	|	|	|	0.00
304.750	0.00	0.00	0.004	O	|	|	|	|	0.00
304.833	0.00	0.00	0.004	O	|	|	|	|	0.00
304.917	0.00	0.00	0.004	O	|	|	|	|	0.00
305.000	0.00	0.00	0.004	O	|	|	|	|	0.00
305.083	0.00	0.00	0.004	O	|	|	|	|	0.00
305.167	0.00	0.00	0.004	O	|	|	|	|	0.00
305.250	0.00	0.00	0.004	O	|	|	|	|	0.00
305.333	0.00	0.00	0.004	O	|	|	|	|	0.00
305.417	0.00	0.00	0.004	O	|	|	|	|	0.00
305.500	0.00	0.00	0.004	O	|	|	|	|	0.00
305.583	0.00	0.00	0.004	O	|	|	|	|	0.00
305.667	0.00	0.00	0.004	O	|	|	|	|	0.00
305.750	0.00	0.00	0.004	O	|	|	|	|	0.00
305.833	0.00	0.00	0.004	O	|	|	|	|	0.00
305.917	0.00	0.00	0.004	O	|	|	|	|	0.00
306.000	0.00	0.00	0.004	O	|	|	|	|	0.00
306.083	0.00	0.00	0.004	O	|	|	|	|	0.00
306.167	0.00	0.00	0.004	O	|	|	|	|	0.00
306.250	0.00	0.00	0.004	O	|	|	|	|	0.00
306.333	0.00	0.00	0.004	O	|	|	|	|	0.00
306.417	0.00	0.00	0.004	O	|	|	|	|	0.00
306.500	0.00	0.00	0.004	O	|	|	|	|	0.00
306.583	0.00	0.00	0.004	O	|	|	|	|	0.00
306.667	0.00	0.00	0.004	O	|	|	|	|	0.00
306.750	0.00	0.00	0.004	O	|	|	|	|	0.00
306.833	0.00	0.00	0.004	O	|	|	|	|	0.00
306.917	0.00	0.00	0.004	O	|	|	|	|	0.00
307.000	0.00	0.00	0.004	O	|	|	|	|	0.00
307.083	0.00	0.00	0.004	O	|	|	|	|	0.00
307.167	0.00	0.00	0.004	O	|	|	|	|	0.00

307.250	0.00	0.00	0.004	O					0.00
307.333	0.00	0.00	0.004	O					0.00
307.417	0.00	0.00	0.004	O					0.00
307.500	0.00	0.00	0.004	O					0.00
307.583	0.00	0.00	0.004	O					0.00
307.667	0.00	0.00	0.004	O					0.00
307.750	0.00	0.00	0.004	O					0.00
307.833	0.00	0.00	0.004	O					0.00
307.917	0.00	0.00	0.004	O					0.00
308.000	0.00	0.00	0.004	O					0.00
308.083	0.00	0.00	0.004	O					0.00
308.167	0.00	0.00	0.004	O					0.00
308.250	0.00	0.00	0.004	O					0.00
308.333	0.00	0.00	0.004	O					0.00
308.417	0.00	0.00	0.004	O					0.00
308.500	0.00	0.00	0.004	O					0.00
308.583	0.00	0.00	0.004	O					0.00
308.667	0.00	0.00	0.004	O					0.00
308.750	0.00	0.00	0.004	O					0.00
308.833	0.00	0.00	0.004	O					0.00
308.917	0.00	0.00	0.004	O					0.00
309.000	0.00	0.00	0.004	O					0.00
309.083	0.00	0.00	0.004	O					0.00
309.167	0.00	0.00	0.004	O					0.00
309.250	0.00	0.00	0.004	O					0.00
309.333	0.00	0.00	0.004	O					0.00
309.417	0.00	0.00	0.004	O					0.00
309.500	0.00	0.00	0.004	O					0.00
309.583	0.00	0.00	0.004	O					0.00
309.667	0.00	0.00	0.004	O					0.00
309.750	0.00	0.00	0.004	O					0.00
309.833	0.00	0.00	0.003	O					0.00
309.917	0.00	0.00	0.003	O					0.00
310.000	0.00	0.00	0.003	O					0.00
310.083	0.00	0.00	0.003	O					0.00
310.167	0.00	0.00	0.003	O					0.00
310.250	0.00	0.00	0.003	O					0.00
310.333	0.00	0.00	0.003	O					0.00
310.417	0.00	0.00	0.003	O					0.00
310.500	0.00	0.00	0.003	O					0.00
310.583	0.00	0.00	0.003	O					0.00
310.667	0.00	0.00	0.003	O					0.00
310.750	0.00	0.00	0.003	O					0.00
310.833	0.00	0.00	0.003	O					0.00
310.917	0.00	0.00	0.003	O					0.00
311.000	0.00	0.00	0.003	O					0.00
311.083	0.00	0.00	0.003	O					0.00
311.167	0.00	0.00	0.003	O					0.00
311.250	0.00	0.00	0.003	O					0.00
311.333	0.00	0.00	0.003	O					0.00
311.417	0.00	0.00	0.003	O					0.00
311.500	0.00	0.00	0.003	O					0.00
311.583	0.00	0.00	0.003	O					0.00
311.667	0.00	0.00	0.003	O					0.00
311.750	0.00	0.00	0.003	O					0.00
311.833	0.00	0.00	0.003	O					0.00
311.917	0.00	0.00	0.003	O					0.00
312.000	0.00	0.00	0.003	O					0.00
312.083	0.00	0.00	0.003	O					0.00
312.167	0.00	0.00	0.003	O					0.00
312.250	0.00	0.00	0.003	O					0.00
312.333	0.00	0.00	0.003	O					0.00
312.417	0.00	0.00	0.003	O					0.00
312.500	0.00	0.00	0.003	O					0.00
312.583	0.00	0.00	0.003	O					0.00
312.667	0.00	0.00	0.003	O					0.00
312.750	0.00	0.00	0.003	O					0.00

312.833	0.00	0.00	0.003	O	|	|	|	|	0.00
312.917	0.00	0.00	0.003	O	|	|	|	|	0.00
313.000	0.00	0.00	0.003	O	|	|	|	|	0.00
313.083	0.00	0.00	0.003	O	|	|	|	|	0.00
313.167	0.00	0.00	0.003	O	|	|	|	|	0.00
313.250	0.00	0.00	0.003	O	|	|	|	|	0.00
313.333	0.00	0.00	0.003	O	|	|	|	|	0.00
313.417	0.00	0.00	0.003	O	|	|	|	|	0.00
313.500	0.00	0.00	0.003	O	|	|	|	|	0.00
313.583	0.00	0.00	0.003	O	|	|	|	|	0.00
313.667	0.00	0.00	0.003	O	|	|	|	|	0.00
313.750	0.00	0.00	0.003	O	|	|	|	|	0.00
313.833	0.00	0.00	0.003	O	|	|	|	|	0.00
313.917	0.00	0.00	0.003	O	|	|	|	|	0.00
314.000	0.00	0.00	0.003	O	|	|	|	|	0.00
314.083	0.00	0.00	0.003	O	|	|	|	|	0.00
314.167	0.00	0.00	0.003	O	|	|	|	|	0.00
314.250	0.00	0.00	0.003	O	|	|	|	|	0.00
314.333	0.00	0.00	0.003	O	|	|	|	|	0.00
314.417	0.00	0.00	0.003	O	|	|	|	|	0.00
314.500	0.00	0.00	0.003	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 3774
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.944 (CFS)
Total volume = 11.082 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/20/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRH6100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 79
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 122.848 (CFS)
Total volume = 16.392 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN H- ROUTING
100YR-6HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 79
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.450	0.470	1.448	1.452
2.000	3.000	0.710	2.998	3.002
3.000	4.660	1.690	4.654	4.666
4.000	6.440	2.170	6.433	6.447
5.000	8.330	2.560	8.321	8.339
6.000	10.330	2.890	10.320	10.340
7.000	12.460	3.190	12.449	12.471
8.000	14.710	3.460	14.698	14.722
9.000	17.150	83.630	16.862	17.438

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 30.7 61.42 92.14 122.85	Depth (Ft.)
0.083	2.21	0.00	0.008	O | | | |	0.01

0.167	8.13	0.01	0.043	O I	|	|	|	|	0.03
0.250	10.97	0.04	0.109	O I	|	|	|	|	0.08
0.333	12.11	0.06	0.188	O I	|	|	|	|	0.13
0.417	12.72	0.09	0.273	O I	|	|	|	|	0.19
0.500	13.53	0.12	0.363	O I	|	|	|	|	0.25
0.583	14.86	0.15	0.460	O I	|	|	|	|	0.32
0.667	15.41	0.18	0.563	O I	|	|	|	|	0.39
0.750	15.60	0.22	0.668	O I	|	|	|	|	0.46
0.833	15.69	0.25	0.774	O I	|	|	|	|	0.53
0.917	15.75	0.29	0.881	O I	|	|	|	|	0.61
1.000	16.23	0.32	0.989	O I	|	|	|	|	0.68
1.083	17.35	0.36	1.102	O I	|	|	|	|	0.76
1.167	17.70	0.40	1.220	O I	|	|	|	|	0.84
1.250	17.86	0.43	1.340	O I	|	|	|	|	0.92
1.333	17.95	0.47	1.460	O I	|	|	|	|	1.01
1.417	18.01	0.49	1.580	O I	|	|	|	|	1.08
1.500	18.04	0.51	1.701	O I	|	|	|	|	1.16
1.583	18.08	0.53	1.822	O I	|	|	|	|	1.24
1.667	18.08	0.55	1.943	O I	|	|	|	|	1.32
1.750	18.08	0.56	2.063	O I	|	|	|	|	1.40
1.833	18.08	0.58	2.184	O I	|	|	|	|	1.47
1.917	18.08	0.60	2.304	O I	|	|	|	|	1.55
2.000	18.52	0.62	2.426	O I	|	|	|	|	1.63
2.083	19.17	0.64	2.552	O I	|	|	|	|	1.71
2.167	18.87	0.66	2.678	O I	|	|	|	|	1.79
2.250	19.77	0.68	2.807	O I	|	|	|	|	1.88
2.333	20.05	0.70	2.939	O I	|	|	|	|	1.96
2.417	20.18	0.75	3.072	O I	|	|	|	|	2.04
2.500	20.25	0.83	3.206	O I	|	|	|	|	2.12
2.583	20.30	0.91	3.340	O I	|	|	|	|	2.20
2.667	20.30	0.99	3.473	O I	|	|	|	|	2.29
2.750	20.78	1.07	3.607	O I	|	|	|	|	2.37
2.833	21.87	1.15	3.747	O I	|	|	|	|	2.45
2.917	22.22	1.24	3.890	O I	|	|	|	|	2.54
3.000	22.38	1.32	4.035	O I	|	|	|	|	2.62
3.083	22.47	1.41	4.180	O I	|	|	|	|	2.71
3.167	22.97	1.49	4.327	O I	|	|	|	|	2.80
3.250	24.10	1.58	4.478	O I	|	|	|	|	2.89
3.333	24.48	1.67	4.634	O I	|	|	|	|	2.98
3.417	25.08	1.73	4.793	O I	|	|	|	|	3.07
3.500	26.71	1.77	4.960	O I	|	|	|	|	3.17
3.583	28.65	1.82	5.138	O I	|	|	|	|	3.27
3.667	30.29	1.87	5.328	O I	|	|	|	|	3.38
3.750	31.36	1.92	5.527	O I	|	|	|	|	3.49
3.833	32.76	1.98	5.735	O I	|	|	|	|	3.60
3.917	33.74	2.04	5.950	O I	|	|	|	|	3.72
4.000	35.12	2.10	6.173	O |I	|	|	|	|	3.85
4.083	36.06	2.16	6.403	O |I	|	|	|	|	3.98
4.167	37.85	2.21	6.643	O |I	|	|	|	|	4.11
4.250	39.86	2.26	6.895	O | I	|	|	|	|	4.24
4.333	42.12	2.32	7.161	O | I	|	|	|	|	4.38
4.417	44.72	2.38	7.444	O | I	|	|	|	|	4.53
4.500	46.94	2.44	7.743	O | I	|	|	|	|	4.69
4.583	48.36	2.50	8.054	O | I	|	|	|	|	4.85
4.667	50.82	2.57	8.378	O | I	|	|	|	|	5.02
4.750	53.56	2.62	8.720	O | I	|	|	|	|	5.20
4.833	55.82	2.68	9.078	O | I	|	|	|	|	5.37
4.917	57.28	2.74	9.449	O | I	|	|	|	|	5.56
5.000	59.74	2.81	9.833	O | I	|	|	|	|	5.75
5.083	64.79	2.88	10.242	O | I	|	|	|	|	5.96
5.167	75.73	2.94	10.706	O | I	|	|	|	|	6.18
5.250	87.38	3.02	11.247	O | I	|	|	|	|	6.43
5.333	97.01	3.11	11.861	O | I	|	|	|	|	6.72
5.417	107.36	3.20	12.543	O | I	|	|	|	|	7.04
5.500	122.85	3.29	13.314	O | I	|	|	|	|	7.38
5.583	118.23	3.39	14.121	O | I	|	|	|	|	7.74
5.667	66.76	4.17	14.732	|O | I	|	|I | I	|	|	8.01

5.750	40.55	14.23	15.038	| O |	I	|	|	| 8.13
5.833	27.34	18.24	15.160	| O I	|	|	|	| 8.18
5.917	19.47	**19.29**	**15.192**	**| O**	**|**	**|**	**|**	**| 8.20**
6.000	12.97	18.67	15.173	| IO	|	|	|	| 8.19
6.083	7.97	17.00	15.122	| I O	|	|	|	| 8.17
6.167	2.90	14.65	15.051	I O	|	|	|	| 8.14
6.250	1.38	12.11	14.973	I O	|	|	|	| 8.11
6.333	0.72	9.86	14.905	I O	|	|	|	| 8.08
6.417	0.38	7.97	14.847	I O	|	|	|	| 8.06
6.500	0.17	6.40	14.800	IO	|	|	|	| 8.04
6.583	0.07	5.13	14.761	IO	|	|	|	| 8.02
6.667	0.00	4.09	14.729	IO	|	|	|	| 8.01
6.750	0.00	3.46	14.703	O	|	|	|	| 8.00
6.833	0.00	3.46	14.679	O	|	|	|	| 7.99
6.917	0.00	3.45	14.656	O	|	|	|	| 7.98
7.000	0.00	3.45	14.632	O	|	|	|	| 7.97
7.083	0.00	3.45	14.608	O	|	|	|	| 7.95
7.167	0.00	3.44	14.584	O	|	|	|	| 7.94
7.250	0.00	3.44	14.561	O	|	|	|	| 7.93
7.333	0.00	3.44	14.537	O	|	|	|	| 7.92
7.417	0.00	3.44	14.513	O	|	|	|	| 7.91
7.500	0.00	3.43	14.490	O	|	|	|	| 7.90
7.583	0.00	3.43	14.466	O	|	|	|	| 7.89
7.667	0.00	3.43	14.442	O	|	|	|	| 7.88
7.750	0.00	3.43	14.419	O	|	|	|	| 7.87
7.833	0.00	3.42	14.395	O	|	|	|	| 7.86
7.917	0.00	3.42	14.372	O	|	|	|	| 7.85
8.000	0.00	3.42	14.348	O	|	|	|	| 7.84
8.083	0.00	3.41	14.325	O	|	|	|	| 7.83
8.167	0.00	3.41	14.301	O	|	|	|	| 7.82
8.250	0.00	3.41	14.278	O	|	|	|	| 7.81
8.333	0.00	3.41	14.254	O	|	|	|	| 7.80
8.417	0.00	3.40	14.231	O	|	|	|	| 7.79
8.500	0.00	3.40	14.207	O	|	|	|	| 7.78
8.583	0.00	3.40	14.184	O	|	|	|	| 7.77
8.667	0.00	3.39	14.160	O	|	|	|	| 7.76
8.750	0.00	3.39	14.137	O	|	|	|	| 7.75
8.833	0.00	3.39	14.114	O	|	|	|	| 7.73
8.917	0.00	3.39	14.090	O	|	|	|	| 7.72
9.000	0.00	3.38	14.067	O	|	|	|	| 7.71
9.083	0.00	3.38	14.044	O	|	|	|	| 7.70
9.167	0.00	3.38	14.021	O	|	|	|	| 7.69
9.250	0.00	3.37	13.997	O	|	|	|	| 7.68
9.333	0.00	3.37	13.974	O	|	|	|	| 7.67
9.417	0.00	3.37	13.951	O	|	|	|	| 7.66
9.500	0.00	3.37	13.928	O	|	|	|	| 7.65
9.583	0.00	3.36	13.904	O	|	|	|	| 7.64
9.667	0.00	3.36	13.881	O	|	|	|	| 7.63
9.750	0.00	3.36	13.858	O	|	|	|	| 7.62
9.833	0.00	3.36	13.835	O	|	|	|	| 7.61
9.917	0.00	3.35	13.812	O	|	|	|	| 7.60
10.000	0.00	3.35	13.789	O	|	|	|	| 7.59
10.083	0.00	3.35	13.766	O	|	|	|	| 7.58
10.167	0.00	3.34	13.743	O	|	|	|	| 7.57
10.250	0.00	3.34	13.720	O	|	|	|	| 7.56
10.333	0.00	3.34	13.697	O	|	|	|	| 7.55
10.417	0.00	3.34	13.674	O	|	|	|	| 7.54
10.500	0.00	3.33	13.651	O	|	|	|	| 7.53
10.583	0.00	3.33	13.628	O	|	|	|	| 7.52
10.667	0.00	3.33	13.605	O	|	|	|	| 7.51
10.750	0.00	3.32	13.582	O	|	|	|	| 7.50
10.833	0.00	3.32	13.559	O	|	|	|	| 7.49
10.917	0.00	3.32	13.536	O	|	|	|	| 7.48
11.000	0.00	3.32	13.513	O	|	|	|	| 7.47
11.083	0.00	3.31	13.491	O	|	|	|	| 7.46
11.167	0.00	3.31	13.468	O	|	|	|	| 7.45
11.250	0.00	3.31	13.445	O	|	|	|	| 7.44

11.333	0.00	3.31	13.422	O	|	|	|	|	7.43
11.417	0.00	3.30	13.399	O	|	|	|	|	7.42
11.500	0.00	3.30	13.377	O	|	|	|	|	7.41
11.583	0.00	3.30	13.354	O	|	|	|	|	7.40
11.667	0.00	3.29	13.331	O	|	|	|	|	7.39
11.750	0.00	3.29	13.309	O	|	|	|	|	7.38
11.833	0.00	3.29	13.286	O	|	|	|	|	7.37
11.917	0.00	3.29	13.263	O	|	|	|	|	7.36
12.000	0.00	3.28	13.241	O	|	|	|	|	7.35
12.083	0.00	3.28	13.218	O	|	|	|	|	7.34
12.167	0.00	3.28	13.196	O	|	|	|	|	7.33
12.250	0.00	3.28	13.173	O	|	|	|	|	7.32
12.333	0.00	3.27	13.150	O	|	|	|	|	7.31
12.417	0.00	3.27	13.128	O	|	|	|	|	7.30
12.500	0.00	3.27	13.105	O	|	|	|	|	7.29
12.583	0.00	3.26	13.083	O	|	|	|	|	7.28
12.667	0.00	3.26	13.060	O	|	|	|	|	7.27
12.750	0.00	3.26	13.038	O	|	|	|	|	7.26
12.833	0.00	3.26	13.015	O	|	|	|	|	7.25
12.917	0.00	3.25	12.993	O	|	|	|	|	7.24
13.000	0.00	3.25	12.971	O	|	|	|	|	7.23
13.083	0.00	3.25	12.948	O	|	|	|	|	7.22
13.167	0.00	3.25	12.926	O	|	|	|	|	7.21
13.250	0.00	3.24	12.904	O	|	|	|	|	7.20
13.333	0.00	3.24	12.881	O	|	|	|	|	7.19
13.417	0.00	3.24	12.859	O	|	|	|	|	7.18
13.500	0.00	3.24	12.837	O	|	|	|	|	7.17
13.583	0.00	3.23	12.814	O	|	|	|	|	7.16
13.667	0.00	3.23	12.792	O	|	|	|	|	7.15
13.750	0.00	3.23	12.770	O	|	|	|	|	7.14
13.833	0.00	3.22	12.748	O	|	|	|	|	7.13
13.917	0.00	3.22	12.725	O	|	|	|	|	7.12
14.000	0.00	3.22	12.703	O	|	|	|	|	7.11
14.083	0.00	3.22	12.681	O	|	|	|	|	7.10
14.167	0.00	3.21	12.659	O	|	|	|	|	7.09
14.250	0.00	3.21	12.637	O	|	|	|	|	7.08
14.333	0.00	3.21	12.615	O	|	|	|	|	7.07
14.417	0.00	3.21	12.593	O	|	|	|	|	7.06
14.500	0.00	3.20	12.571	O	|	|	|	|	7.05
14.583	0.00	3.20	12.549	O	|	|	|	|	7.04
14.667	0.00	3.20	12.527	O	|	|	|	|	7.03
14.750	0.00	3.20	12.504	O	|	|	|	|	7.02
14.833	0.00	3.19	12.483	O	|	|	|	|	7.01
14.917	0.00	3.19	12.461	O	|	|	|	|	7.00
15.000	0.00	3.19	12.439	O	|	|	|	|	6.99
15.083	0.00	3.18	12.417	O	|	|	|	|	6.98
15.167	0.00	3.18	12.395	O	|	|	|	|	6.97
15.250	0.00	3.18	12.373	O	|	|	|	|	6.96
15.333	0.00	3.17	12.351	O	|	|	|	|	6.95
15.417	0.00	3.17	12.329	O	|	|	|	|	6.94
15.500	0.00	3.17	12.307	O	|	|	|	|	6.93
15.583	0.00	3.17	12.285	O	|	|	|	|	6.92
15.667	0.00	3.16	12.264	O	|	|	|	|	6.91
15.750	0.00	3.16	12.242	O	|	|	|	|	6.90
15.833	0.00	3.16	12.220	O	|	|	|	|	6.89
15.917	0.00	3.15	12.198	O	|	|	|	|	6.88
16.000	0.00	3.15	12.177	O	|	|	|	|	6.87
16.083	0.00	3.15	12.155	O	|	|	|	|	6.86
16.167	0.00	3.14	12.133	O	|	|	|	|	6.85
16.250	0.00	3.14	12.112	O	|	|	|	|	6.84
16.333	0.00	3.14	12.090	O	|	|	|	|	6.83
16.417	0.00	3.13	12.068	O	|	|	|	|	6.82
16.500	0.00	3.13	12.047	O	|	|	|	|	6.81
16.583	0.00	3.13	12.025	O	|	|	|	|	6.80
16.667	0.00	3.13	12.004	O	|	|	|	|	6.79
16.750	0.00	3.12	11.982	O	|	|	|	|	6.78
16.833	0.00	3.12	11.961	O	|	|	|	|	6.77

16.917	0.00	3.12	11.939	O	|	|	|	|	6.76
17.000	0.00	3.11	11.918	O	|	|	|	|	6.75
17.083	0.00	3.11	11.896	O	|	|	|	|	6.74
17.167	0.00	3.11	11.875	O	|	|	|	|	6.73
17.250	0.00	3.10	11.854	O	|	|	|	|	6.72
17.333	0.00	3.10	11.832	O	|	|	|	|	6.71
17.417	0.00	3.10	11.811	O	|	|	|	|	6.70
17.500	0.00	3.10	11.790	O	|	|	|	|	6.69
17.583	0.00	3.09	11.768	O	|	|	|	|	6.68
17.667	0.00	3.09	11.747	O	|	|	|	|	6.67
17.750	0.00	3.09	11.726	O	|	|	|	|	6.66
17.833	0.00	3.08	11.704	O	|	|	|	|	6.65
17.917	0.00	3.08	11.683	O	|	|	|	|	6.64
18.000	0.00	3.08	11.662	O	|	|	|	|	6.63
18.083	0.00	3.07	11.641	O	|	|	|	|	6.62
18.167	0.00	3.07	11.620	O	|	|	|	|	6.61
18.250	0.00	3.07	11.599	O	|	|	|	|	6.60
18.333	0.00	3.07	11.577	O	|	|	|	|	6.59
18.417	0.00	3.06	11.556	O	|	|	|	|	6.58
18.500	0.00	3.06	11.535	O	|	|	|	|	6.57
18.583	0.00	3.06	11.514	O	|	|	|	|	6.56
18.667	0.00	3.05	11.493	O	|	|	|	|	6.55
18.750	0.00	3.05	11.472	O	|	|	|	|	6.54
18.833	0.00	3.05	11.451	O	|	|	|	|	6.53
18.917	0.00	3.04	11.430	O	|	|	|	|	6.52
19.000	0.00	3.04	11.409	O	|	|	|	|	6.51
19.083	0.00	3.04	11.388	O	|	|	|	|	6.50
19.167	0.00	3.04	11.367	O	|	|	|	|	6.49
19.250	0.00	3.03	11.346	O	|	|	|	|	6.48
19.333	0.00	3.03	11.326	O	|	|	|	|	6.47
19.417	0.00	3.03	11.305	O	|	|	|	|	6.46
19.500	0.00	3.02	11.284	O	|	|	|	|	6.45
19.583	0.00	3.02	11.263	O	|	|	|	|	6.44
19.667	0.00	3.02	11.242	O	|	|	|	|	6.43
19.750	0.00	3.02	11.221	O	|	|	|	|	6.42
19.833	0.00	3.01	11.201	O	|	|	|	|	6.41
19.917	0.00	3.01	11.180	O	|	|	|	|	6.40
20.000	0.00	3.01	11.159	O	|	|	|	|	6.39
20.083	0.00	3.00	11.139	O	|	|	|	|	6.38
20.167	0.00	3.00	11.118	O	|	|	|	|	6.37
20.250	0.00	3.00	11.097	O	|	|	|	|	6.36
20.333	0.00	3.00	11.077	O	|	|	|	|	6.35
20.417	0.00	2.99	11.056	O	|	|	|	|	6.34
20.500	0.00	2.99	11.035	O	|	|	|	|	6.33
20.583	0.00	2.99	11.015	O	|	|	|	|	6.32
20.667	0.00	2.98	10.994	O	|	|	|	|	6.31
20.750	0.00	2.98	10.974	O	|	|	|	|	6.30
20.833	0.00	2.98	10.953	O	|	|	|	|	6.29
20.917	0.00	2.97	10.933	O	|	|	|	|	6.28
21.000	0.00	2.97	10.912	O	|	|	|	|	6.27
21.083	0.00	2.97	10.892	O	|	|	|	|	6.26
21.167	0.00	2.97	10.871	O	|	|	|	|	6.25
21.250	0.00	2.96	10.851	O	|	|	|	|	6.24
21.333	0.00	2.96	10.830	O	|	|	|	|	6.23
21.417	0.00	2.96	10.810	O	|	|	|	|	6.23
21.500	0.00	2.95	10.790	O	|	|	|	|	6.22
21.583	0.00	2.95	10.769	O	|	|	|	|	6.21
21.667	0.00	2.95	10.749	O	|	|	|	|	6.20
21.750	0.00	2.95	10.729	O	|	|	|	|	6.19
21.833	0.00	2.94	10.708	O	|	|	|	|	6.18
21.917	0.00	2.94	10.688	O	|	|	|	|	6.17
22.000	0.00	2.94	10.668	O	|	|	|	|	6.16
22.083	0.00	2.93	10.648	O	|	|	|	|	6.15
22.167	0.00	2.93	10.628	O	|	|	|	|	6.14
22.250	0.00	2.93	10.607	O	|	|	|	|	6.13
22.333	0.00	2.93	10.587	O	|	|	|	|	6.12
22.417	0.00	2.92	10.567	O	|	|	|	|	6.11

22.500	0.00	2.92	10.547	O	|	|	|	6.10
22.583	0.00	2.92	10.527	O	|	|	|	6.09
22.667	0.00	2.91	10.507	O	|	|	|	6.08
22.750	0.00	2.91	10.487	O	|	|	|	6.07
22.833	0.00	2.91	10.467	O	|	|	|	6.06
22.917	0.00	2.91	10.447	O	|	|	|	6.05
23.000	0.00	2.90	10.427	O	|	|	|	6.05
23.083	0.00	2.90	10.407	O	|	|	|	6.04
23.167	0.00	2.90	10.387	O	|	|	|	6.03
23.250	0.00	2.90	10.367	O	|	|	|	6.02
23.333	0.00	2.89	10.347	O	|	|	|	6.01
23.417	0.00	2.89	10.327	O	|	|	|	6.00
23.500	0.00	2.89	10.307	O	|	|	|	5.99
23.583	0.00	2.88	10.287	O	|	|	|	5.98
23.667	0.00	2.88	10.267	O	|	|	|	5.97
23.750	0.00	2.88	10.247	O	|	|	|	5.96
23.833	0.00	2.87	10.228	O	|	|	|	5.95
23.917	0.00	2.87	10.208	O	|	|	|	5.94
24.000	0.00	2.87	10.188	O	|	|	|	5.93
24.083	0.00	2.86	10.168	O	|	|	|	5.92
24.167	0.00	2.86	10.149	O	|	|	|	5.91
24.250	0.00	2.86	10.129	O	|	|	|	5.90
24.333	0.00	2.85	10.109	O	|	|	|	5.89
24.417	0.00	2.85	10.090	O	|	|	|	5.88
24.500	0.00	2.85	10.070	O	|	|	|	5.87
24.583	0.00	2.84	10.050	O	|	|	|	5.86
24.667	0.00	2.84	10.031	O	|	|	|	5.85
24.750	0.00	2.84	10.011	O	|	|	|	5.84
24.833	0.00	2.83	9.992	O	|	|	|	5.83
24.917	0.00	2.83	9.972	O	|	|	|	5.82
25.000	0.00	2.83	9.953	O	|	|	|	5.81
25.083	0.00	2.82	9.933	O	|	|	|	5.80
25.167	0.00	2.82	9.914	O	|	|	|	5.79
25.250	0.00	2.82	9.894	O	|	|	|	5.78
25.333	0.00	2.81	9.875	O	|	|	|	5.77
25.417	0.00	2.81	9.856	O	|	|	|	5.76
25.500	0.00	2.81	9.836	O	|	|	|	5.75
25.583	0.00	2.81	9.817	O	|	|	|	5.74
25.667	0.00	2.80	9.798	O	|	|	|	5.73
25.750	0.00	2.80	9.778	O	|	|	|	5.72
25.833	0.00	2.80	9.759	O	|	|	|	5.71
25.917	0.00	2.79	9.740	O	|	|	|	5.70
26.000	0.00	2.79	9.721	O	|	|	|	5.70
26.083	0.00	2.79	9.701	O	|	|	|	5.69
26.167	0.00	2.78	9.682	O	|	|	|	5.68
26.250	0.00	2.78	9.663	O	|	|	|	5.67
26.333	0.00	2.78	9.644	O	|	|	|	5.66
26.417	0.00	2.77	9.625	O	|	|	|	5.65
26.500	0.00	2.77	9.606	O	|	|	|	5.64
26.583	0.00	2.77	9.587	O	|	|	|	5.63
26.667	0.00	2.76	9.568	O	|	|	|	5.62
26.750	0.00	2.76	9.549	O	|	|	|	5.61
26.833	0.00	2.76	9.530	O	|	|	|	5.60
26.917	0.00	2.75	9.511	O	|	|	|	5.59
27.000	0.00	2.75	9.492	O	|	|	|	5.58
27.083	0.00	2.75	9.473	O	|	|	|	5.57
27.167	0.00	2.75	9.454	O	|	|	|	5.56
27.250	0.00	2.74	9.435	O	|	|	|	5.55
27.333	0.00	2.74	9.416	O	|	|	|	5.54
27.417	0.00	2.74	9.397	O	|	|	|	5.53
27.500	0.00	2.73	9.378	O	|	|	|	5.52
27.583	0.00	2.73	9.360	O	|	|	|	5.51
27.667	0.00	2.73	9.341	O	|	|	|	5.51
27.750	0.00	2.72	9.322	O	|	|	|	5.50
27.833	0.00	2.72	9.303	O	|	|	|	5.49
27.917	0.00	2.72	9.285	O	|	|	|	5.48
28.000	0.00	2.71	9.266	O	|	|	|	5.47

28.083	0.00	2.71	9.247	O	|	|	|	|	5.46
28.167	0.00	2.71	9.229	O	|	|	|	|	5.45
28.250	0.00	2.71	9.210	O	|	|	|	|	5.44
28.333	0.00	2.70	9.191	O	|	|	|	|	5.43
28.417	0.00	2.70	9.173	O	|	|	|	|	5.42
28.500	0.00	2.70	9.154	O	|	|	|	|	5.41
28.583	0.00	2.69	9.136	O	|	|	|	|	5.40
28.667	0.00	2.69	9.117	O	|	|	|	|	5.39
28.750	0.00	2.69	9.098	O	|	|	|	|	5.38
28.833	0.00	2.68	9.080	O	|	|	|	|	5.37
28.917	0.00	2.68	9.061	O	|	|	|	|	5.37
29.000	0.00	2.68	9.043	O	|	|	|	|	5.36
29.083	0.00	2.67	9.025	O	|	|	|	|	5.35
29.167	0.00	2.67	9.006	O	|	|	|	|	5.34
29.250	0.00	2.67	8.988	O	|	|	|	|	5.33
29.333	0.00	2.67	8.969	O	|	|	|	|	5.32
29.417	0.00	2.66	8.951	O	|	|	|	|	5.31
29.500	0.00	2.66	8.933	O	|	|	|	|	5.30
29.583	0.00	2.66	8.914	O	|	|	|	|	5.29
29.667	0.00	2.65	8.896	O	|	|	|	|	5.28
29.750	0.00	2.65	8.878	O	|	|	|	|	5.27
29.833	0.00	2.65	8.860	O	|	|	|	|	5.26
29.917	0.00	2.64	8.841	O	|	|	|	|	5.26
30.000	0.00	2.64	8.823	O	|	|	|	|	5.25
30.083	0.00	2.64	8.805	O	|	|	|	|	5.24
30.167	0.00	2.64	8.787	O	|	|	|	|	5.23
30.250	0.00	2.63	8.769	O	|	|	|	|	5.22
30.333	0.00	2.63	8.751	O	|	|	|	|	5.21
30.417	0.00	2.63	8.733	O	|	|	|	|	5.20
30.500	0.00	2.62	8.714	O	|	|	|	|	5.19
30.583	0.00	2.62	8.696	O	|	|	|	|	5.18
30.667	0.00	2.62	8.678	O	|	|	|	|	5.17
30.750	0.00	2.61	8.660	O	|	|	|	|	5.17
30.833	0.00	2.61	8.642	O	|	|	|	|	5.16
30.917	0.00	2.61	8.624	O	|	|	|	|	5.15
31.000	0.00	2.61	8.606	O	|	|	|	|	5.14
31.083	0.00	2.60	8.589	O	|	|	|	|	5.13
31.167	0.00	2.60	8.571	O	|	|	|	|	5.12
31.250	0.00	2.60	8.553	O	|	|	|	|	5.11
31.333	0.00	2.59	8.535	O	|	|	|	|	5.10
31.417	0.00	2.59	8.517	O	|	|	|	|	5.09
31.500	0.00	2.59	8.499	O	|	|	|	|	5.08
31.583	0.00	2.58	8.481	O	|	|	|	|	5.08
31.667	0.00	2.58	8.464	O	|	|	|	|	5.07
31.750	0.00	2.58	8.446	O	|	|	|	|	5.06
31.833	0.00	2.58	8.428	O	|	|	|	|	5.05
31.917	0.00	2.57	8.410	O	|	|	|	|	5.04
32.000	0.00	2.57	8.393	O	|	|	|	|	5.03
32.083	0.00	2.57	8.375	O	|	|	|	|	5.02
32.167	0.00	2.56	8.357	O	|	|	|	|	5.01
32.250	0.00	2.56	8.340	O	|	|	|	|	5.00
32.333	0.00	2.56	8.322	O	|	|	|	|	5.00
32.417	0.00	2.55	8.304	O	|	|	|	|	4.99
32.500	0.00	2.55	8.287	O	|	|	|	|	4.98
32.583	0.00	2.55	8.269	O	|	|	|	|	4.97
32.667	0.00	2.54	8.252	O	|	|	|	|	4.96
32.750	0.00	2.54	8.234	O	|	|	|	|	4.95
32.833	0.00	2.54	8.217	O	|	|	|	|	4.94
32.917	0.00	2.53	8.199	O	|	|	|	|	4.93
33.000	0.00	2.53	8.182	O	|	|	|	|	4.92
33.083	0.00	2.53	8.164	O	|	|	|	|	4.91
33.167	0.00	2.52	8.147	O	|	|	|	|	4.90
33.250	0.00	2.52	8.130	O	|	|	|	|	4.89
33.333	0.00	2.52	8.112	O	|	|	|	|	4.88
33.417	0.00	2.51	8.095	O	|	|	|	|	4.88
33.500	0.00	2.51	8.078	O	|	|	|	|	4.87
33.583	0.00	2.50	8.060	O	|	|	|	|	4.86

33.667	0.00	2.50	8.043	O	|	|	|	4.85
33.750	0.00	2.50	8.026	O	|	|	|	4.84
33.833	0.00	2.49	8.009	O	|	|	|	4.83
33.917	0.00	2.49	7.992	O	|	|	|	4.82
34.000	0.00	2.49	7.974	O	|	|	|	4.81
34.083	0.00	2.48	7.957	O	|	|	|	4.80
34.167	0.00	2.48	7.940	O	|	|	|	4.79
34.250	0.00	2.48	7.923	O	|	|	|	4.78
34.333	0.00	2.47	7.906	O	|	|	|	4.78
34.417	0.00	2.47	7.889	O	|	|	|	4.77
34.500	0.00	2.47	7.872	O	|	|	|	4.76
34.583	0.00	2.46	7.855	O	|	|	|	4.75
34.667	0.00	2.46	7.838	O	|	|	|	4.74
34.750	0.00	2.46	7.821	O	|	|	|	4.73
34.833	0.00	2.45	7.804	O	|	|	|	4.72
34.917	0.00	2.45	7.788	O	|	|	|	4.71
35.000	0.00	2.44	7.771	O	|	|	|	4.70
35.083	0.00	2.44	7.754	O	|	|	|	4.70
35.167	0.00	2.44	7.737	O	|	|	|	4.69
35.250	0.00	2.43	7.720	O	|	|	|	4.68
35.333	0.00	2.43	7.704	O	|	|	|	4.67
35.417	0.00	2.43	7.687	O	|	|	|	4.66
35.500	0.00	2.42	7.670	O	|	|	|	4.65
35.583	0.00	2.42	7.653	O	|	|	|	4.64
35.667	0.00	2.42	7.637	O	|	|	|	4.63
35.750	0.00	2.41	7.620	O	|	|	|	4.62
35.833	0.00	2.41	7.604	O	|	|	|	4.62
35.917	0.00	2.41	7.587	O	|	|	|	4.61
36.000	0.00	2.40	7.570	O	|	|	|	4.60
36.083	0.00	2.40	7.554	O	|	|	|	4.59
36.167	0.00	2.40	7.537	O	|	|	|	4.58
36.250	0.00	2.39	7.521	O	|	|	|	4.57
36.333	0.00	2.39	7.504	O	|	|	|	4.56
36.417	0.00	2.39	7.488	O	|	|	|	4.55
36.500	0.00	2.38	7.472	O	|	|	|	4.55
36.583	0.00	2.38	7.455	O	|	|	|	4.54
36.667	0.00	2.38	7.439	O	|	|	|	4.53
36.750	0.00	2.37	7.422	O	|	|	|	4.52
36.833	0.00	2.37	7.406	O	|	|	|	4.51
36.917	0.00	2.37	7.390	O	|	|	|	4.50
37.000	0.00	2.36	7.373	O	|	|	|	4.49
37.083	0.00	2.36	7.357	O	|	|	|	4.49
37.167	0.00	2.36	7.341	O	|	|	|	4.48
37.250	0.00	2.35	7.325	O	|	|	|	4.47
37.333	0.00	2.35	7.309	O	|	|	|	4.46
37.417	0.00	2.35	7.292	O	|	|	|	4.45
37.500	0.00	2.34	7.276	O	|	|	|	4.44
37.583	0.00	2.34	7.260	O	|	|	|	4.43
37.667	0.00	2.34	7.244	O	|	|	|	4.43
37.750	0.00	2.33	7.228	O	|	|	|	4.42
37.833	0.00	2.33	7.212	O	|	|	|	4.41
37.917	0.00	2.33	7.196	O	|	|	|	4.40
38.000	0.00	2.32	7.180	O	|	|	|	4.39
38.083	0.00	2.32	7.164	O	|	|	|	4.38
38.167	0.00	2.32	7.148	O	|	|	|	4.37
38.250	0.00	2.31	7.132	O	|	|	|	4.37
38.333	0.00	2.31	7.116	O	|	|	|	4.36
38.417	0.00	2.31	7.100	O	|	|	|	4.35
38.500	0.00	2.30	7.084	O	|	|	|	4.34
38.583	0.00	2.30	7.068	O	|	|	|	4.33
38.667	0.00	2.30	7.053	O	|	|	|	4.32
38.750	0.00	2.29	7.037	O	|	|	|	4.32
38.833	0.00	2.29	7.021	O	|	|	|	4.31
38.917	0.00	2.29	7.005	O	|	|	|	4.30
39.000	0.00	2.28	6.990	O	|	|	|	4.29
39.083	0.00	2.28	6.974	O	|	|	|	4.28
39.167	0.00	2.28	6.958	O	|	|	|	4.27

39.250	0.00	2.27	6.942	O	|	|	|	|	4.27
39.333	0.00	2.27	6.927	O	|	|	|	|	4.26
39.417	0.00	2.27	6.911	O	|	|	|	|	4.25
39.500	0.00	2.26	6.896	O	|	|	|	|	4.24
39.583	0.00	2.26	6.880	O	|	|	|	|	4.23
39.667	0.00	2.26	6.864	O	|	|	|	|	4.22
39.750	0.00	2.25	6.849	O	|	|	|	|	4.22
39.833	0.00	2.25	6.833	O	|	|	|	|	4.21
39.917	0.00	2.25	6.818	O	|	|	|	|	4.20
40.000	0.00	2.24	6.802	O	|	|	|	|	4.19
40.083	0.00	2.24	6.787	O	|	|	|	|	4.18
40.167	0.00	2.24	6.772	O	|	|	|	|	4.18
40.250	0.00	2.24	6.756	O	|	|	|	|	4.17
40.333	0.00	2.23	6.741	O	|	|	|	|	4.16
40.417	0.00	2.23	6.725	O	|	|	|	|	4.15
40.500	0.00	2.23	6.710	O	|	|	|	|	4.14
40.583	0.00	2.22	6.695	O	|	|	|	|	4.13
40.667	0.00	2.22	6.679	O	|	|	|	|	4.13
40.750	0.00	2.22	6.664	O	|	|	|	|	4.12
40.833	0.00	2.21	6.649	O	|	|	|	|	4.11
40.917	0.00	2.21	6.634	O	|	|	|	|	4.10
41.000	0.00	2.21	6.618	O	|	|	|	|	4.09
41.083	0.00	2.20	6.603	O	|	|	|	|	4.09
41.167	0.00	2.20	6.588	O	|	|	|	|	4.08
41.250	0.00	2.20	6.573	O	|	|	|	|	4.07
41.333	0.00	2.19	6.558	O	|	|	|	|	4.06
41.417	0.00	2.19	6.543	O	|	|	|	|	4.05
41.500	0.00	2.19	6.528	O	|	|	|	|	4.05
41.583	0.00	2.18	6.513	O	|	|	|	|	4.04
41.667	0.00	2.18	6.498	O	|	|	|	|	4.03
41.750	0.00	2.18	6.483	O	|	|	|	|	4.02
41.833	0.00	2.18	6.468	O	|	|	|	|	4.01
41.917	0.00	2.17	6.453	O	|	|	|	|	4.01
42.000	0.00	2.17	6.438	O	|	|	|	|	4.00
42.083	0.00	2.17	6.423	O	|	|	|	|	3.99
42.167	0.00	2.16	6.408	O	|	|	|	|	3.98
42.250	0.00	2.16	6.393	O	|	|	|	|	3.97
42.333	0.00	2.15	6.378	O	|	|	|	|	3.97
42.417	0.00	2.15	6.363	O	|	|	|	|	3.96
42.500	0.00	2.15	6.349	O	|	|	|	|	3.95
42.583	0.00	2.14	6.334	O	|	|	|	|	3.94
42.667	0.00	2.14	6.319	O	|	|	|	|	3.93
42.750	0.00	2.13	6.304	O	|	|	|	|	3.92
42.833	0.00	2.13	6.290	O	|	|	|	|	3.92
42.917	0.00	2.13	6.275	O	|	|	|	|	3.91
43.000	0.00	2.12	6.260	O	|	|	|	|	3.90
43.083	0.00	2.12	6.246	O	|	|	|	|	3.89
43.167	0.00	2.11	6.231	O	|	|	|	|	3.88
43.250	0.00	2.11	6.217	O	|	|	|	|	3.87
43.333	0.00	2.11	6.202	O	|	|	|	|	3.87
43.417	0.00	2.10	6.188	O	|	|	|	|	3.86
43.500	0.00	2.10	6.173	O	|	|	|	|	3.85
43.583	0.00	2.09	6.159	O	|	|	|	|	3.84
43.667	0.00	2.09	6.144	O	|	|	|	|	3.83
43.750	0.00	2.09	6.130	O	|	|	|	|	3.83
43.833	0.00	2.08	6.116	O	|	|	|	|	3.82
43.917	0.00	2.08	6.101	O	|	|	|	|	3.81
44.000	0.00	2.07	6.087	O	|	|	|	|	3.80
44.083	0.00	2.07	6.073	O	|	|	|	|	3.79
44.167	0.00	2.07	6.058	O	|	|	|	|	3.79
44.250	0.00	2.06	6.044	O	|	|	|	|	3.78
44.333	0.00	2.06	6.030	O	|	|	|	|	3.77
44.417	0.00	2.06	6.016	O	|	|	|	|	3.76
44.500	0.00	2.05	6.002	O	|	|	|	|	3.75
44.583	0.00	2.05	5.988	O	|	|	|	|	3.75
44.667	0.00	2.04	5.973	O	|	|	|	|	3.74
44.750	0.00	2.04	5.959	O	|	|	|	|	3.73

44.833	0.00	2.04	5.945	O	|	|	|	|	3.72
44.917	0.00	2.03	5.931	O	|	|	|	|	3.71
45.000	0.00	2.03	5.917	O	|	|	|	|	3.71
45.083	0.00	2.03	5.903	O	|	|	|	|	3.70
45.167	0.00	2.02	5.889	O	|	|	|	|	3.69
45.250	0.00	2.02	5.876	O	|	|	|	|	3.68
45.333	0.00	2.01	5.862	O	|	|	|	|	3.68
45.417	0.00	2.01	5.848	O	|	|	|	|	3.67
45.500	0.00	2.01	5.834	O	|	|	|	|	3.66
45.583	0.00	2.00	5.820	O	|	|	|	|	3.65
45.667	0.00	2.00	5.806	O	|	|	|	|	3.64
45.750	0.00	2.00	5.793	O	|	|	|	|	3.64
45.833	0.00	1.99	5.779	O	|	|	|	|	3.63
45.917	0.00	1.99	5.765	O	|	|	|	|	3.62
46.000	0.00	1.98	5.752	O	|	|	|	|	3.61
46.083	0.00	1.98	5.738	O	|	|	|	|	3.61
46.167	0.00	1.98	5.724	O	|	|	|	|	3.60
46.250	0.00	1.97	5.711	O	|	|	|	|	3.59
46.333	0.00	1.97	5.697	O	|	|	|	|	3.58
46.417	0.00	1.97	5.684	O	|	|	|	|	3.58
46.500	0.00	1.96	5.670	O	|	|	|	|	3.57
46.583	0.00	1.96	5.656	O	|	|	|	|	3.56
46.667	0.00	1.96	5.643	O	|	|	|	|	3.55
46.750	0.00	1.95	5.630	O	|	|	|	|	3.54
46.833	0.00	1.95	5.616	O	|	|	|	|	3.54
46.917	0.00	1.94	5.603	O	|	|	|	|	3.53
47.000	0.00	1.94	5.589	O	|	|	|	|	3.52
47.083	0.00	1.94	5.576	O	|	|	|	|	3.51
47.167	0.00	1.93	5.563	O	|	|	|	|	3.51
47.250	0.00	1.93	5.549	O	|	|	|	|	3.50
47.333	0.00	1.93	5.536	O	|	|	|	|	3.49
47.417	0.00	1.92	5.523	O	|	|	|	|	3.48
47.500	0.00	1.92	5.510	O	|	|	|	|	3.48
47.583	0.00	1.92	5.496	O	|	|	|	|	3.47
47.667	0.00	1.91	5.483	O	|	|	|	|	3.46
47.750	0.00	1.91	5.470	O	|	|	|	|	3.46
47.833	0.00	1.90	5.457	O	|	|	|	|	3.45
47.917	0.00	1.90	5.444	O	|	|	|	|	3.44
48.000	0.00	1.90	5.431	O	|	|	|	|	3.43
48.083	0.00	1.89	5.418	O	|	|	|	|	3.43
48.167	0.00	1.89	5.405	O	|	|	|	|	3.42
48.250	0.00	1.89	5.392	O	|	|	|	|	3.41
48.333	0.00	1.88	5.379	O	|	|	|	|	3.40
48.417	0.00	1.88	5.366	O	|	|	|	|	3.40
48.500	0.00	1.88	5.353	O	|	|	|	|	3.39
48.583	0.00	1.87	5.340	O	|	|	|	|	3.38
48.667	0.00	1.87	5.327	O	|	|	|	|	3.37
48.750	0.00	1.87	5.314	O	|	|	|	|	3.37
48.833	0.00	1.86	5.301	O	|	|	|	|	3.36
48.917	0.00	1.86	5.288	O	|	|	|	|	3.35
49.000	0.00	1.86	5.276	O	|	|	|	|	3.35
49.083	0.00	1.85	5.263	O	|	|	|	|	3.34
49.167	0.00	1.85	5.250	O	|	|	|	|	3.33
49.250	0.00	1.85	5.237	O	|	|	|	|	3.32
49.333	0.00	1.84	5.225	O	|	|	|	|	3.32
49.417	0.00	1.84	5.212	O	|	|	|	|	3.31
49.500	0.00	1.84	5.199	O	|	|	|	|	3.30
49.583	0.00	1.83	5.187	O	|	|	|	|	3.30
49.667	0.00	1.83	5.174	O	|	|	|	|	3.29
49.750	0.00	1.83	5.162	O	|	|	|	|	3.28
49.833	0.00	1.82	5.149	O	|	|	|	|	3.27
49.917	0.00	1.82	5.136	O	|	|	|	|	3.27
50.000	0.00	1.82	5.124	O	|	|	|	|	3.26
50.083	0.00	1.81	5.111	O	|	|	|	|	3.25
50.167	0.00	1.81	5.099	O	|	|	|	|	3.25
50.250	0.00	1.81	5.087	O	|	|	|	|	3.24
50.333	0.00	1.80	5.074	O	|	|	|	|	3.23

50.417	0.00	1.80	5.062	O	|	|	|	|	3.23
50.500	0.00	1.79	5.049	O	|	|	|	|	3.22
50.583	0.00	1.79	5.037	O	|	|	|	|	3.21
50.667	0.00	1.79	5.025	O	|	|	|	|	3.20
50.750	0.00	1.79	5.012	O	|	|	|	|	3.20
50.833	0.00	1.78	5.000	O	|	|	|	|	3.19
50.917	0.00	1.78	4.988	O	|	|	|	|	3.18
51.000	0.00	1.78	4.976	O	|	|	|	|	3.18
51.083	0.00	1.77	4.963	O	|	|	|	|	3.17
51.167	0.00	1.77	4.951	O	|	|	|	|	3.16
51.250	0.00	1.77	4.939	O	|	|	|	|	3.16
51.333	0.00	1.76	4.927	O	|	|	|	|	3.15
51.417	0.00	1.76	4.915	O	|	|	|	|	3.14
51.500	0.00	1.76	4.903	O	|	|	|	|	3.14
51.583	0.00	1.75	4.891	O	|	|	|	|	3.13
51.667	0.00	1.75	4.879	O	|	|	|	|	3.12
51.750	0.00	1.75	4.866	O	|	|	|	|	3.12
51.833	0.00	1.74	4.854	O	|	|	|	|	3.11
51.917	0.00	1.74	4.842	O	|	|	|	|	3.10
52.000	0.00	1.74	4.831	O	|	|	|	|	3.10
52.083	0.00	1.73	4.819	O	|	|	|	|	3.09
52.167	0.00	1.73	4.807	O	|	|	|	|	3.08
52.250	0.00	1.73	4.795	O	|	|	|	|	3.08
52.333	0.00	1.72	4.783	O	|	|	|	|	3.07
52.417	0.00	1.72	4.771	O	|	|	|	|	3.06
52.500	0.00	1.72	4.759	O	|	|	|	|	3.06
52.583	0.00	1.71	4.747	O	|	|	|	|	3.05
52.667	0.00	1.71	4.736	O	|	|	|	|	3.04
52.750	0.00	1.71	4.724	O	|	|	|	|	3.04
52.833	0.00	1.70	4.712	O	|	|	|	|	3.03
52.917	0.00	1.70	4.700	O	|	|	|	|	3.02
53.000	0.00	1.70	4.689	O	|	|	|	|	3.02
53.083	0.00	1.69	4.677	O	|	|	|	|	3.01
53.167	0.00	1.69	4.665	O	|	|	|	|	3.00
53.250	0.00	1.69	4.654	O	|	|	|	|	3.00
53.333	0.00	1.68	4.642	O	|	|	|	|	2.99
53.417	0.00	1.67	4.631	O	|	|	|	|	2.98
53.500	0.00	1.67	4.619	O	|	|	|	|	2.98
53.583	0.00	1.66	4.608	O	|	|	|	|	2.97
53.667	0.00	1.65	4.596	O	|	|	|	|	2.96
53.750	0.00	1.65	4.585	O	|	|	|	|	2.95
53.833	0.00	1.64	4.574	O	|	|	|	|	2.95
53.917	0.00	1.63	4.562	O	|	|	|	|	2.94
54.000	0.00	1.63	4.551	O	|	|	|	|	2.93
54.083	0.00	1.62	4.540	O	|	|	|	|	2.93
54.167	0.00	1.61	4.529	O	|	|	|	|	2.92
54.250	0.00	1.61	4.518	O	|	|	|	|	2.91
54.333	0.00	1.60	4.507	O	|	|	|	|	2.91
54.417	0.00	1.59	4.496	O	|	|	|	|	2.90
54.500	0.00	1.59	4.485	O	|	|	|	|	2.89
54.583	0.00	1.58	4.474	O	|	|	|	|	2.89
54.667	0.00	1.57	4.463	O	|	|	|	|	2.88
54.750	0.00	1.57	4.452	O	|	|	|	|	2.87
54.833	0.00	1.56	4.441	O	|	|	|	|	2.87
54.917	0.00	1.55	4.431	O	|	|	|	|	2.86
55.000	0.00	1.55	4.420	O	|	|	|	|	2.86
55.083	0.00	1.54	4.409	O	|	|	|	|	2.85
55.167	0.00	1.54	4.399	O	|	|	|	|	2.84
55.250	0.00	1.53	4.388	O	|	|	|	|	2.84
55.333	0.00	1.52	4.378	O	|	|	|	|	2.83
55.417	0.00	1.52	4.367	O	|	|	|	|	2.82
55.500	0.00	1.51	4.357	O	|	|	|	|	2.82
55.583	0.00	1.50	4.346	O	|	|	|	|	2.81
55.667	0.00	1.50	4.336	O	|	|	|	|	2.80
55.750	0.00	1.49	4.326	O	|	|	|	|	2.80
55.833	0.00	1.49	4.315	O	|	|	|	|	2.79
55.917	0.00	1.48	4.305	O	|	|	|	|	2.79

56.000	0.00	1.47	4.295	O	|	|	|	|	2.78
56.083	0.00	1.47	4.285	O	|	|	|	|	2.77
56.167	0.00	1.46	4.275	O	|	|	|	|	2.77
56.250	0.00	1.46	4.265	O	|	|	|	|	2.76
56.333	0.00	1.45	4.255	O	|	|	|	|	2.76
56.417	0.00	1.44	4.245	O	|	|	|	|	2.75
56.500	0.00	1.44	4.235	O	|	|	|	|	2.74
56.583	0.00	1.43	4.225	O	|	|	|	|	2.74
56.667	0.00	1.43	4.215	O	|	|	|	|	2.73
56.750	0.00	1.42	4.205	O	|	|	|	|	2.73
56.833	0.00	1.42	4.196	O	|	|	|	|	2.72
56.917	0.00	1.41	4.186	O	|	|	|	|	2.71
57.000	0.00	1.40	4.176	O	|	|	|	|	2.71
57.083	0.00	1.40	4.166	O	|	|	|	|	2.70
57.167	0.00	1.39	4.157	O	|	|	|	|	2.70
57.250	0.00	1.39	4.147	O	|	|	|	|	2.69
57.333	0.00	1.38	4.138	O	|	|	|	|	2.69
57.417	0.00	1.38	4.128	O	|	|	|	|	2.68
57.500	0.00	1.37	4.119	O	|	|	|	|	2.67
57.583	0.00	1.36	4.109	O	|	|	|	|	2.67
57.667	0.00	1.36	4.100	O	|	|	|	|	2.66
57.750	0.00	1.35	4.091	O	|	|	|	|	2.66
57.833	0.00	1.35	4.081	O	|	|	|	|	2.65
57.917	0.00	1.34	4.072	O	|	|	|	|	2.65
58.000	0.00	1.34	4.063	O	|	|	|	|	2.64
58.083	0.00	1.33	4.054	O	|	|	|	|	2.63
58.167	0.00	1.33	4.044	O	|	|	|	|	2.63
58.250	0.00	1.32	4.035	O	|	|	|	|	2.62
58.333	0.00	1.32	4.026	O	|	|	|	|	2.62
58.417	0.00	1.31	4.017	O	|	|	|	|	2.61
58.500	0.00	1.31	4.008	O	|	|	|	|	2.61
58.583	0.00	1.30	3.999	O	|	|	|	|	2.60
58.667	0.00	1.29	3.990	O	|	|	|	|	2.60
58.750	0.00	1.29	3.981	O	|	|	|	|	2.59
58.833	0.00	1.28	3.973	O	|	|	|	|	2.59
58.917	0.00	1.28	3.964	O	|	|	|	|	2.58
59.000	0.00	1.27	3.955	O	|	|	|	|	2.58
59.083	0.00	1.27	3.946	O	|	|	|	|	2.57
59.167	0.00	1.26	3.937	O	|	|	|	|	2.56
59.250	0.00	1.26	3.929	O	|	|	|	|	2.56
59.333	0.00	1.25	3.920	O	|	|	|	|	2.55
59.417	0.00	1.25	3.912	O	|	|	|	|	2.55
59.500	0.00	1.24	3.903	O	|	|	|	|	2.54
59.583	0.00	1.24	3.894	O	|	|	|	|	2.54
59.667	0.00	1.23	3.886	O	|	|	|	|	2.53
59.750	0.00	1.23	3.877	O	|	|	|	|	2.53
59.833	0.00	1.22	3.869	O	|	|	|	|	2.52
59.917	0.00	1.22	3.861	O	|	|	|	|	2.52
60.000	0.00	1.21	3.852	O	|	|	|	|	2.51
60.083	0.00	1.21	3.844	O	|	|	|	|	2.51
60.167	0.00	1.20	3.836	O	|	|	|	|	2.50
60.250	0.00	1.20	3.827	O	|	|	|	|	2.50
60.333	0.00	1.19	3.819	O	|	|	|	|	2.49
60.417	0.00	1.19	3.811	O	|	|	|	|	2.49
60.500	0.00	1.18	3.803	O	|	|	|	|	2.48
60.583	0.00	1.18	3.795	O	|	|	|	|	2.48
60.667	0.00	1.17	3.786	O	|	|	|	|	2.47
60.750	0.00	1.17	3.778	O	|	|	|	|	2.47
60.833	0.00	1.16	3.770	O	|	|	|	|	2.46
60.917	0.00	1.16	3.762	O	|	|	|	|	2.46
61.000	0.00	1.16	3.754	O	|	|	|	|	2.45
61.083	0.00	1.15	3.746	O	|	|	|	|	2.45
61.167	0.00	1.15	3.738	O	|	|	|	|	2.44
61.250	0.00	1.14	3.731	O	|	|	|	|	2.44
61.333	0.00	1.14	3.723	O	|	|	|	|	2.44
61.417	0.00	1.13	3.715	O	|	|	|	|	2.43
61.500	0.00	1.13	3.707	O	|	|	|	|	2.43

61.583	0.00	1.12	3.699	O	|	|	|	|	2.42
61.667	0.00	1.12	3.692	O	|	|	|	|	2.42
61.750	0.00	1.11	3.684	O	|	|	|	|	2.41
61.833	0.00	1.11	3.676	O	|	|	|	|	2.41
61.917	0.00	1.10	3.669	O	|	|	|	|	2.40
62.000	0.00	1.10	3.661	O	|	|	|	|	2.40
62.083	0.00	1.10	3.654	O	|	|	|	|	2.39
62.167	0.00	1.09	3.646	O	|	|	|	|	2.39
62.250	0.00	1.09	3.639	O	|	|	|	|	2.38
62.333	0.00	1.08	3.631	O	|	|	|	|	2.38
62.417	0.00	1.08	3.624	O	|	|	|	|	2.38
62.500	0.00	1.07	3.616	O	|	|	|	|	2.37
62.583	0.00	1.07	3.609	O	|	|	|	|	2.37
62.667	0.00	1.07	3.601	O	|	|	|	|	2.36
62.750	0.00	1.06	3.594	O	|	|	|	|	2.36
62.833	0.00	1.06	3.587	O	|	|	|	|	2.35
62.917	0.00	1.05	3.580	O	|	|	|	|	2.35
63.000	0.00	1.05	3.572	O	|	|	|	|	2.34
63.083	0.00	1.04	3.565	O	|	|	|	|	2.34
63.167	0.00	1.04	3.558	O	|	|	|	|	2.34
63.250	0.00	1.04	3.551	O	|	|	|	|	2.33
63.333	0.00	1.03	3.544	O	|	|	|	|	2.33
63.417	0.00	1.03	3.537	O	|	|	|	|	2.32
63.500	0.00	1.02	3.530	O	|	|	|	|	2.32
63.583	0.00	1.02	3.523	O	|	|	|	|	2.31
63.667	0.00	1.01	3.516	O	|	|	|	|	2.31
63.750	0.00	1.01	3.509	O	|	|	|	|	2.31
63.833	0.00	1.01	3.502	O	|	|	|	|	2.30
63.917	0.00	1.00	3.495	O	|	|	|	|	2.30
64.000	0.00	1.00	3.488	O	|	|	|	|	2.29
64.083	0.00	0.99	3.481	O	|	|	|	|	2.29
64.167	0.00	0.99	3.474	O	|	|	|	|	2.29
64.250	0.00	0.99	3.467	O	|	|	|	|	2.28
64.333	0.00	0.98	3.461	O	|	|	|	|	2.28
64.417	0.00	0.98	3.454	O	|	|	|	|	2.27
64.500	0.00	0.97	3.447	O	|	|	|	|	2.27
64.583	0.00	0.97	3.440	O	|	|	|	|	2.27
64.667	0.00	0.97	3.434	O	|	|	|	|	2.26
64.750	0.00	0.96	3.427	O	|	|	|	|	2.26
64.833	0.00	0.96	3.421	O	|	|	|	|	2.25
64.917	0.00	0.95	3.414	O	|	|	|	|	2.25
65.000	0.00	0.95	3.407	O	|	|	|	|	2.25
65.083	0.00	0.95	3.401	O	|	|	|	|	2.24
65.167	0.00	0.94	3.394	O	|	|	|	|	2.24
65.250	0.00	0.94	3.388	O	|	|	|	|	2.23
65.333	0.00	0.94	3.381	O	|	|	|	|	2.23
65.417	0.00	0.93	3.375	O	|	|	|	|	2.23
65.500	0.00	0.93	3.369	O	|	|	|	|	2.22
65.583	0.00	0.92	3.362	O	|	|	|	|	2.22
65.667	0.00	0.92	3.356	O	|	|	|	|	2.21
65.750	0.00	0.92	3.350	O	|	|	|	|	2.21
65.833	0.00	0.91	3.343	O	|	|	|	|	2.21
65.917	0.00	0.91	3.337	O	|	|	|	|	2.20
66.000	0.00	0.91	3.331	O	|	|	|	|	2.20
66.083	0.00	0.90	3.324	O	|	|	|	|	2.20
66.167	0.00	0.90	3.318	O	|	|	|	|	2.19
66.250	0.00	0.89	3.312	O	|	|	|	|	2.19
66.333	0.00	0.89	3.306	O	|	|	|	|	2.18
66.417	0.00	0.89	3.300	O	|	|	|	|	2.18
66.500	0.00	0.88	3.294	O	|	|	|	|	2.18
66.583	0.00	0.88	3.288	O	|	|	|	|	2.17
66.667	0.00	0.88	3.282	O	|	|	|	|	2.17
66.750	0.00	0.87	3.276	O	|	|	|	|	2.17
66.833	0.00	0.87	3.270	O	|	|	|	|	2.16
66.917	0.00	0.87	3.264	O	|	|	|	|	2.16
67.000	0.00	0.86	3.258	O	|	|	|	|	2.16
67.083	0.00	0.86	3.252	O	|	|	|	|	2.15

67.167	0.00	0.86	3.246	O	|	|	|	|	2.15
67.250	0.00	0.85	3.240	O	|	|	|	|	2.14
67.333	0.00	0.85	3.234	O	|	|	|	|	2.14
67.417	0.00	0.84	3.228	O	|	|	|	|	2.14
67.500	0.00	0.84	3.222	O	|	|	|	|	2.13
67.583	0.00	0.84	3.217	O	|	|	|	|	2.13
67.667	0.00	0.83	3.211	O	|	|	|	|	2.13
67.750	0.00	0.83	3.205	O	|	|	|	|	2.12
67.833	0.00	0.83	3.199	O	|	|	|	|	2.12
67.917	0.00	0.82	3.194	O	|	|	|	|	2.12
68.000	0.00	0.82	3.188	O	|	|	|	|	2.11
68.083	0.00	0.82	3.182	O	|	|	|	|	2.11
68.167	0.00	0.81	3.177	O	|	|	|	|	2.11
68.250	0.00	0.81	3.171	O	|	|	|	|	2.10
68.333	0.00	0.81	3.166	O	|	|	|	|	2.10
68.417	0.00	0.80	3.160	O	|	|	|	|	2.10
68.500	0.00	0.80	3.155	O	|	|	|	|	2.09
68.583	0.00	0.80	3.149	O	|	|	|	|	2.09
68.667	0.00	0.79	3.144	O	|	|	|	|	2.09
68.750	0.00	0.79	3.138	O	|	|	|	|	2.08
68.833	0.00	0.79	3.133	O	|	|	|	|	2.08
68.917	0.00	0.79	3.127	O	|	|	|	|	2.08
69.000	0.00	0.78	3.122	O	|	|	|	|	2.07
69.083	0.00	0.78	3.117	O	|	|	|	|	2.07
69.167	0.00	0.78	3.111	O	|	|	|	|	2.07
69.250	0.00	0.77	3.106	O	|	|	|	|	2.06
69.333	0.00	0.77	3.101	O	|	|	|	|	2.06
69.417	0.00	0.77	3.095	O	|	|	|	|	2.06
69.500	0.00	0.76	3.090	O	|	|	|	|	2.05
69.583	0.00	0.76	3.085	O	|	|	|	|	2.05
69.667	0.00	0.76	3.080	O	|	|	|	|	2.05
69.750	0.00	0.75	3.074	O	|	|	|	|	2.04
69.833	0.00	0.75	3.069	O	|	|	|	|	2.04
69.917	0.00	0.75	3.064	O	|	|	|	|	2.04
70.000	0.00	0.74	3.059	O	|	|	|	|	2.04
70.083	0.00	0.74	3.054	O	|	|	|	|	2.03
70.167	0.00	0.74	3.049	O	|	|	|	|	2.03
70.250	0.00	0.74	3.044	O	|	|	|	|	2.03
70.333	0.00	0.73	3.038	O	|	|	|	|	2.02
70.417	0.00	0.73	3.033	O	|	|	|	|	2.02
70.500	0.00	0.73	3.028	O	|	|	|	|	2.02
70.583	0.00	0.72	3.023	O	|	|	|	|	2.01
70.667	0.00	0.72	3.018	O	|	|	|	|	2.01
70.750	0.00	0.72	3.014	O	|	|	|	|	2.01
70.833	0.00	0.72	3.009	O	|	|	|	|	2.01
70.917	0.00	0.71	3.004	O	|	|	|	|	2.00
71.000	0.00	0.71	2.999	O	|	|	|	|	2.00
71.083	0.00	0.71	2.994	O	|	|	|	|	2.00
71.167	0.00	0.71	2.989	O	|	|	|	|	1.99
71.250	0.00	0.71	2.984	O	|	|	|	|	1.99
71.333	0.00	0.71	2.979	O	|	|	|	|	1.99
71.417	0.00	0.71	2.974	O	|	|	|	|	1.98
71.500	0.00	0.71	2.970	O	|	|	|	|	1.98
71.583	0.00	0.70	2.965	O	|	|	|	|	1.98
71.667	0.00	0.70	2.960	O	|	|	|	|	1.97
71.750	0.00	0.70	2.955	O	|	|	|	|	1.97
71.833	0.00	0.70	2.950	O	|	|	|	|	1.97
71.917	0.00	0.70	2.945	O	|	|	|	|	1.96
72.000	0.00	0.70	2.940	O	|	|	|	|	1.96
72.083	0.00	0.70	2.936	O	|	|	|	|	1.96
72.167	0.00	0.70	2.931	O	|	|	|	|	1.96
72.250	0.00	0.70	2.926	O	|	|	|	|	1.95
72.333	0.00	0.70	2.921	O	|	|	|	|	1.95
72.417	0.00	0.70	2.916	O	|	|	|	|	1.95
72.500	0.00	0.70	2.912	O	|	|	|	|	1.94
72.583	0.00	0.70	2.907	O	|	|	|	|	1.94
72.667	0.00	0.69	2.902	O	|	|	|	|	1.94

72.750	0.00	0.69	2.897	O	|	|	|	1.93
72.833	0.00	0.69	2.892	O	|	|	|	1.93
72.917	0.00	0.69	2.888	O	|	|	|	1.93
73.000	0.00	0.69	2.883	O	|	|	|	1.92
73.083	0.00	0.69	2.878	O	|	|	|	1.92
73.167	0.00	0.69	2.873	O	|	|	|	1.92
73.250	0.00	0.69	2.869	O	|	|	|	1.92
73.333	0.00	0.69	2.864	O	|	|	|	1.91
73.417	0.00	0.69	2.859	O	|	|	|	1.91
73.500	0.00	0.69	2.854	O	|	|	|	1.91
73.583	0.00	0.69	2.850	O	|	|	|	1.90
73.667	0.00	0.69	2.845	O	|	|	|	1.90
73.750	0.00	0.69	2.840	O	|	|	|	1.90
73.833	0.00	0.68	2.836	O	|	|	|	1.89
73.917	0.00	0.68	2.831	O	|	|	|	1.89
74.000	0.00	0.68	2.826	O	|	|	|	1.89
74.083	0.00	0.68	2.821	O	|	|	|	1.88
74.167	0.00	0.68	2.817	O	|	|	|	1.88
74.250	0.00	0.68	2.812	O	|	|	|	1.88
74.333	0.00	0.68	2.807	O	|	|	|	1.88
74.417	0.00	0.68	2.803	O	|	|	|	1.87
74.500	0.00	0.68	2.798	O	|	|	|	1.87
74.583	0.00	0.68	2.793	O	|	|	|	1.87
74.667	0.00	0.68	2.789	O	|	|	|	1.86
74.750	0.00	0.68	2.784	O	|	|	|	1.86
74.833	0.00	0.68	2.779	O	|	|	|	1.86
74.917	0.00	0.68	2.775	O	|	|	|	1.85
75.000	0.00	0.67	2.770	O	|	|	|	1.85
75.083	0.00	0.67	2.765	O	|	|	|	1.85
75.167	0.00	0.67	2.761	O	|	|	|	1.85
75.250	0.00	0.67	2.756	O	|	|	|	1.84
75.333	0.00	0.67	2.751	O	|	|	|	1.84
75.417	0.00	0.67	2.747	O	|	|	|	1.84
75.500	0.00	0.67	2.742	O	|	|	|	1.83
75.583	0.00	0.67	2.738	O	|	|	|	1.83
75.667	0.00	0.67	2.733	O	|	|	|	1.83
75.750	0.00	0.67	2.728	O	|	|	|	1.82
75.833	0.00	0.67	2.724	O	|	|	|	1.82
75.917	0.00	0.67	2.719	O	|	|	|	1.82
76.000	0.00	0.67	2.715	O	|	|	|	1.82
76.083	0.00	0.67	2.710	O	|	|	|	1.81
76.167	0.00	0.66	2.705	O	|	|	|	1.81
76.250	0.00	0.66	2.701	O	|	|	|	1.81
76.333	0.00	0.66	2.696	O	|	|	|	1.80
76.417	0.00	0.66	2.692	O	|	|	|	1.80
76.500	0.00	0.66	2.687	O	|	|	|	1.80
76.583	0.00	0.66	2.683	O	|	|	|	1.80
76.667	0.00	0.66	2.678	O	|	|	|	1.79
76.750	0.00	0.66	2.674	O	|	|	|	1.79
76.833	0.00	0.66	2.669	O	|	|	|	1.79
76.917	0.00	0.66	2.664	O	|	|	|	1.78
77.000	0.00	0.66	2.660	O	|	|	|	1.78
77.083	0.00	0.66	2.655	O	|	|	|	1.78
77.167	0.00	0.66	2.651	O	|	|	|	1.77
77.250	0.00	0.66	2.646	O	|	|	|	1.77
77.333	0.00	0.65	2.642	O	|	|	|	1.77
77.417	0.00	0.65	2.637	O	|	|	|	1.77
77.500	0.00	0.65	2.633	O	|	|	|	1.76
77.583	0.00	0.65	2.628	O	|	|	|	1.76
77.667	0.00	0.65	2.624	O	|	|	|	1.76
77.750	0.00	0.65	2.619	O	|	|	|	1.75
77.833	0.00	0.65	2.615	O	|	|	|	1.75
77.917	0.00	0.65	2.610	O	|	|	|	1.75
78.000	0.00	0.65	2.606	O	|	|	|	1.75
78.083	0.00	0.65	2.602	O	|	|	|	1.74
78.167	0.00	0.65	2.597	O	|	|	|	1.74
78.250	0.00	0.65	2.593	O	|	|	|	1.74

78.333	0.00	0.65	2.588	O	|	|	|	|	1.73
78.417	0.00	0.65	2.584	O	|	|	|	|	1.73
78.500	0.00	0.64	2.579	O	|	|	|	|	1.73
78.583	0.00	0.64	2.575	O	|	|	|	|	1.73
78.667	0.00	0.64	2.570	O	|	|	|	|	1.72
78.750	0.00	0.64	2.566	O	|	|	|	|	1.72
78.833	0.00	0.64	2.562	O	|	|	|	|	1.72
78.917	0.00	0.64	2.557	O	|	|	|	|	1.71
79.000	0.00	0.64	2.553	O	|	|	|	|	1.71
79.083	0.00	0.64	2.548	O	|	|	|	|	1.71
79.167	0.00	0.64	2.544	O	|	|	|	|	1.71
79.250	0.00	0.64	2.539	O	|	|	|	|	1.70
79.333	0.00	0.64	2.535	O	|	|	|	|	1.70
79.417	0.00	0.64	2.531	O	|	|	|	|	1.70
79.500	0.00	0.64	2.526	O	|	|	|	|	1.69
79.583	0.00	0.64	2.522	O	|	|	|	|	1.69
79.667	0.00	0.64	2.518	O	|	|	|	|	1.69
79.750	0.00	0.63	2.513	O	|	|	|	|	1.69
79.833	0.00	0.63	2.509	O	|	|	|	|	1.68
79.917	0.00	0.63	2.504	O	|	|	|	|	1.68
80.000	0.00	0.63	2.500	O	|	|	|	|	1.68
80.083	0.00	0.63	2.496	O	|	|	|	|	1.67
80.167	0.00	0.63	2.491	O	|	|	|	|	1.67
80.250	0.00	0.63	2.487	O	|	|	|	|	1.67
80.333	0.00	0.63	2.483	O	|	|	|	|	1.67
80.417	0.00	0.63	2.478	O	|	|	|	|	1.66
80.500	0.00	0.63	2.474	O	|	|	|	|	1.66
80.583	0.00	0.63	2.470	O	|	|	|	|	1.66
80.667	0.00	0.63	2.465	O	|	|	|	|	1.66
80.750	0.00	0.63	2.461	O	|	|	|	|	1.65
80.833	0.00	0.63	2.457	O	|	|	|	|	1.65
80.917	0.00	0.63	2.452	O	|	|	|	|	1.65
81.000	0.00	0.62	2.448	O	|	|	|	|	1.64
81.083	0.00	0.62	2.444	O	|	|	|	|	1.64
81.167	0.00	0.62	2.440	O	|	|	|	|	1.64
81.250	0.00	0.62	2.435	O	|	|	|	|	1.64
81.333	0.00	0.62	2.431	O	|	|	|	|	1.63
81.417	0.00	0.62	2.427	O	|	|	|	|	1.63
81.500	0.00	0.62	2.422	O	|	|	|	|	1.63
81.583	0.00	0.62	2.418	O	|	|	|	|	1.62
81.667	0.00	0.62	2.414	O	|	|	|	|	1.62
81.750	0.00	0.62	2.410	O	|	|	|	|	1.62
81.833	0.00	0.62	2.405	O	|	|	|	|	1.62
81.917	0.00	0.62	2.401	O	|	|	|	|	1.61
82.000	0.00	0.62	2.397	O	|	|	|	|	1.61
82.083	0.00	0.62	2.393	O	|	|	|	|	1.61
82.167	0.00	0.62	2.388	O	|	|	|	|	1.61
82.250	0.00	0.61	2.384	O	|	|	|	|	1.60
82.333	0.00	0.61	2.380	O	|	|	|	|	1.60
82.417	0.00	0.61	2.376	O	|	|	|	|	1.60
82.500	0.00	0.61	2.371	O	|	|	|	|	1.59
82.583	0.00	0.61	2.367	O	|	|	|	|	1.59
82.667	0.00	0.61	2.363	O	|	|	|	|	1.59
82.750	0.00	0.61	2.359	O	|	|	|	|	1.59
82.833	0.00	0.61	2.355	O	|	|	|	|	1.58
82.917	0.00	0.61	2.350	O	|	|	|	|	1.58
83.000	0.00	0.61	2.346	O	|	|	|	|	1.58
83.083	0.00	0.61	2.342	O	|	|	|	|	1.58
83.167	0.00	0.61	2.338	O	|	|	|	|	1.57
83.250	0.00	0.61	2.334	O	|	|	|	|	1.57
83.333	0.00	0.61	2.329	O	|	|	|	|	1.57
83.417	0.00	0.61	2.325	O	|	|	|	|	1.56
83.500	0.00	0.60	2.321	O	|	|	|	|	1.56
83.583	0.00	0.60	2.317	O	|	|	|	|	1.56
83.667	0.00	0.60	2.313	O	|	|	|	|	1.56
83.750	0.00	0.60	2.309	O	|	|	|	|	1.55
83.833	0.00	0.60	2.305	O	|	|	|	|	1.55

83.917	0.00	0.60	2.300	O	|	|	|	|	1.55
84.000	0.00	0.60	2.296	O	|	|	|	|	1.55
84.083	0.00	0.60	2.292	O	|	|	|	|	1.54
84.167	0.00	0.60	2.288	O	|	|	|	|	1.54
84.250	0.00	0.60	2.284	O	|	|	|	|	1.54
84.333	0.00	0.60	2.280	O	|	|	|	|	1.54
84.417	0.00	0.60	2.276	O	|	|	|	|	1.53
84.500	0.00	0.60	2.271	O	|	|	|	|	1.53
84.583	0.00	0.60	2.267	O	|	|	|	|	1.53
84.667	0.00	0.60	2.263	O	|	|	|	|	1.52
84.750	0.00	0.60	2.259	O	|	|	|	|	1.52
84.833	0.00	0.59	2.255	O	|	|	|	|	1.52
84.917	0.00	0.59	2.251	O	|	|	|	|	1.52
85.000	0.00	0.59	2.247	O	|	|	|	|	1.51
85.083	0.00	0.59	2.243	O	|	|	|	|	1.51
85.167	0.00	0.59	2.239	O	|	|	|	|	1.51
85.250	0.00	0.59	2.235	O	|	|	|	|	1.51
85.333	0.00	0.59	2.231	O	|	|	|	|	1.50
85.417	0.00	0.59	2.226	O	|	|	|	|	1.50
85.500	0.00	0.59	2.222	O	|	|	|	|	1.50
85.583	0.00	0.59	2.218	O	|	|	|	|	1.50
85.667	0.00	0.59	2.214	O	|	|	|	|	1.49
85.750	0.00	0.59	2.210	O	|	|	|	|	1.49
85.833	0.00	0.59	2.206	O	|	|	|	|	1.49
85.917	0.00	0.59	2.202	O	|	|	|	|	1.49
86.000	0.00	0.59	2.198	O	|	|	|	|	1.48
86.083	0.00	0.59	2.194	O	|	|	|	|	1.48
86.167	0.00	0.58	2.190	O	|	|	|	|	1.48
86.250	0.00	0.58	2.186	O	|	|	|	|	1.47
86.333	0.00	0.58	2.182	O	|	|	|	|	1.47
86.417	0.00	0.58	2.178	O	|	|	|	|	1.47
86.500	0.00	0.58	2.174	O	|	|	|	|	1.47
86.583	0.00	0.58	2.170	O	|	|	|	|	1.46
86.667	0.00	0.58	2.166	O	|	|	|	|	1.46
86.750	0.00	0.58	2.162	O	|	|	|	|	1.46
86.833	0.00	0.58	2.158	O	|	|	|	|	1.46
86.917	0.00	0.58	2.154	O	|	|	|	|	1.45
87.000	0.00	0.58	2.150	O	|	|	|	|	1.45
87.083	0.00	0.58	2.146	O	|	|	|	|	1.45
87.167	0.00	0.58	2.142	O	|	|	|	|	1.45
87.250	0.00	0.58	2.138	O	|	|	|	|	1.44
87.333	0.00	0.58	2.134	O	|	|	|	|	1.44
87.417	0.00	0.58	2.130	O	|	|	|	|	1.44
87.500	0.00	0.57	2.126	O	|	|	|	|	1.44
87.583	0.00	0.57	2.122	O	|	|	|	|	1.43
87.667	0.00	0.57	2.118	O	|	|	|	|	1.43
87.750	0.00	0.57	2.114	O	|	|	|	|	1.43
87.833	0.00	0.57	2.110	O	|	|	|	|	1.43
87.917	0.00	0.57	2.106	O	|	|	|	|	1.42
88.000	0.00	0.57	2.103	O	|	|	|	|	1.42
88.083	0.00	0.57	2.099	O	|	|	|	|	1.42
88.167	0.00	0.57	2.095	O	|	|	|	|	1.42
88.250	0.00	0.57	2.091	O	|	|	|	|	1.41
88.333	0.00	0.57	2.087	O	|	|	|	|	1.41
88.417	0.00	0.57	2.083	O	|	|	|	|	1.41
88.500	0.00	0.57	2.079	O	|	|	|	|	1.41
88.583	0.00	0.57	2.075	O	|	|	|	|	1.40
88.667	0.00	0.57	2.071	O	|	|	|	|	1.40
88.750	0.00	0.57	2.067	O	|	|	|	|	1.40
88.833	0.00	0.56	2.063	O	|	|	|	|	1.40
88.917	0.00	0.56	2.060	O	|	|	|	|	1.39
89.000	0.00	0.56	2.056	O	|	|	|	|	1.39
89.083	0.00	0.56	2.052	O	|	|	|	|	1.39
89.167	0.00	0.56	2.048	O	|	|	|	|	1.39
89.250	0.00	0.56	2.044	O	|	|	|	|	1.38
89.333	0.00	0.56	2.040	O	|	|	|	|	1.38
89.417	0.00	0.56	2.036	O	|	|	|	|	1.38

89.500	0.00	0.56	2.032	O	|	|	|	|	1.38
89.583	0.00	0.56	2.029	O	|	|	|	|	1.37
89.667	0.00	0.56	2.025	O	|	|	|	|	1.37
89.750	0.00	0.56	2.021	O	|	|	|	|	1.37
89.833	0.00	0.56	2.017	O	|	|	|	|	1.37
89.917	0.00	0.56	2.013	O	|	|	|	|	1.36
90.000	0.00	0.56	2.009	O	|	|	|	|	1.36
90.083	0.00	0.56	2.006	O	|	|	|	|	1.36
90.167	0.00	0.56	2.002	O	|	|	|	|	1.36
90.250	0.00	0.55	1.998	O	|	|	|	|	1.35
90.333	0.00	0.55	1.994	O	|	|	|	|	1.35
90.417	0.00	0.55	1.990	O	|	|	|	|	1.35
90.500	0.00	0.55	1.986	O	|	|	|	|	1.35
90.583	0.00	0.55	1.983	O	|	|	|	|	1.34
90.667	0.00	0.55	1.979	O	|	|	|	|	1.34
90.750	0.00	0.55	1.975	O	|	|	|	|	1.34
90.833	0.00	0.55	1.971	O	|	|	|	|	1.34
90.917	0.00	0.55	1.967	O	|	|	|	|	1.33
91.000	0.00	0.55	1.964	O	|	|	|	|	1.33
91.083	0.00	0.55	1.960	O	|	|	|	|	1.33
91.167	0.00	0.55	1.956	O	|	|	|	|	1.33
91.250	0.00	0.55	1.952	O	|	|	|	|	1.32
91.333	0.00	0.55	1.949	O	|	|	|	|	1.32
91.417	0.00	0.55	1.945	O	|	|	|	|	1.32
91.500	0.00	0.55	1.941	O	|	|	|	|	1.32
91.583	0.00	0.55	1.937	O	|	|	|	|	1.31
91.667	0.00	0.54	1.933	O	|	|	|	|	1.31
91.750	0.00	0.54	1.930	O	|	|	|	|	1.31
91.833	0.00	0.54	1.926	O	|	|	|	|	1.31
91.917	0.00	0.54	1.922	O	|	|	|	|	1.30
92.000	0.00	0.54	1.919	O	|	|	|	|	1.30
92.083	0.00	0.54	1.915	O	|	|	|	|	1.30
92.167	0.00	0.54	1.911	O	|	|	|	|	1.30
92.250	0.00	0.54	1.907	O	|	|	|	|	1.30
92.333	0.00	0.54	1.904	O	|	|	|	|	1.29
92.417	0.00	0.54	1.900	O	|	|	|	|	1.29
92.500	0.00	0.54	1.896	O	|	|	|	|	1.29
92.583	0.00	0.54	1.892	O	|	|	|	|	1.29
92.667	0.00	0.54	1.889	O	|	|	|	|	1.28
92.750	0.00	0.54	1.885	O	|	|	|	|	1.28
92.833	0.00	0.54	1.881	O	|	|	|	|	1.28
92.917	0.00	0.54	1.878	O	|	|	|	|	1.28
93.000	0.00	0.54	1.874	O	|	|	|	|	1.27
93.083	0.00	0.54	1.870	O	|	|	|	|	1.27
93.167	0.00	0.53	1.867	O	|	|	|	|	1.27
93.250	0.00	0.53	1.863	O	|	|	|	|	1.27
93.333	0.00	0.53	1.859	O	|	|	|	|	1.26
93.417	0.00	0.53	1.856	O	|	|	|	|	1.26
93.500	0.00	0.53	1.852	O	|	|	|	|	1.26
93.583	0.00	0.53	1.848	O	|	|	|	|	1.26
93.667	0.00	0.53	1.845	O	|	|	|	|	1.25
93.750	0.00	0.53	1.841	O	|	|	|	|	1.25
93.833	0.00	0.53	1.837	O	|	|	|	|	1.25
93.917	0.00	0.53	1.834	O	|	|	|	|	1.25
94.000	0.00	0.53	1.830	O	|	|	|	|	1.25
94.083	0.00	0.53	1.826	O	|	|	|	|	1.24
94.167	0.00	0.53	1.823	O	|	|	|	|	1.24
94.250	0.00	0.53	1.819	O	|	|	|	|	1.24
94.333	0.00	0.53	1.815	O	|	|	|	|	1.24
94.417	0.00	0.53	1.812	O	|	|	|	|	1.23
94.500	0.00	0.53	1.808	O	|	|	|	|	1.23
94.583	0.00	0.52	1.805	O	|	|	|	|	1.23
94.667	0.00	0.52	1.801	O	|	|	|	|	1.23
94.750	0.00	0.52	1.797	O	|	|	|	|	1.22
94.833	0.00	0.52	1.794	O	|	|	|	|	1.22
94.917	0.00	0.52	1.790	O	|	|	|	|	1.22
95.000	0.00	0.52	1.787	O	|	|	|	|	1.22

95.083	0.00	0.52	1.783	O	|	|	|	1.21
95.167	0.00	0.52	1.779	O	|	|	|	1.21
95.250	0.00	0.52	1.776	O	|	|	|	1.21
95.333	0.00	0.52	1.772	O	|	|	|	1.21
95.417	0.00	0.52	1.769	O	|	|	|	1.21
95.500	0.00	0.52	1.765	O	|	|	|	1.20
95.583	0.00	0.52	1.761	O	|	|	|	1.20
95.667	0.00	0.52	1.758	O	|	|	|	1.20
95.750	0.00	0.52	1.754	O	|	|	|	1.20
95.833	0.00	0.52	1.751	O	|	|	|	1.19
95.917	0.00	0.52	1.747	O	|	|	|	1.19
96.000	0.00	0.52	1.744	O	|	|	|	1.19
96.083	0.00	0.51	1.740	O	|	|	|	1.19
96.167	0.00	0.51	1.737	O	|	|	|	1.18
96.250	0.00	0.51	1.733	O	|	|	|	1.18
96.333	0.00	0.51	1.729	O	|	|	|	1.18
96.417	0.00	0.51	1.726	O	|	|	|	1.18
96.500	0.00	0.51	1.722	O	|	|	|	1.18
96.583	0.00	0.51	1.719	O	|	|	|	1.17
96.667	0.00	0.51	1.715	O	|	|	|	1.17
96.750	0.00	0.51	1.712	O	|	|	|	1.17
96.833	0.00	0.51	1.708	O	|	|	|	1.17
96.917	0.00	0.51	1.705	O	|	|	|	1.16
97.000	0.00	0.51	1.701	O	|	|	|	1.16
97.083	0.00	0.51	1.698	O	|	|	|	1.16
97.167	0.00	0.51	1.694	O	|	|	|	1.16
97.250	0.00	0.51	1.691	O	|	|	|	1.16
97.333	0.00	0.51	1.687	O	|	|	|	1.15
97.417	0.00	0.51	1.684	O	|	|	|	1.15
97.500	0.00	0.51	1.680	O	|	|	|	1.15
97.583	0.00	0.51	1.677	O	|	|	|	1.15
97.667	0.00	0.50	1.673	O	|	|	|	1.14
97.750	0.00	0.50	1.670	O	|	|	|	1.14
97.833	0.00	0.50	1.666	O	|	|	|	1.14
97.917	0.00	0.50	1.663	O	|	|	|	1.14
98.000	0.00	0.50	1.660	O	|	|	|	1.14
98.083	0.00	0.50	1.656	O	|	|	|	1.13
98.167	0.00	0.50	1.653	O	|	|	|	1.13
98.250	0.00	0.50	1.649	O	|	|	|	1.13
98.333	0.00	0.50	1.646	O	|	|	|	1.13
98.417	0.00	0.50	1.642	O	|	|	|	1.12
98.500	0.00	0.50	1.639	O	|	|	|	1.12
98.583	0.00	0.50	1.635	O	|	|	|	1.12
98.667	0.00	0.50	1.632	O	|	|	|	1.12
98.750	0.00	0.50	1.629	O	|	|	|	1.12
98.833	0.00	0.50	1.625	O	|	|	|	1.11
98.917	0.00	0.50	1.622	O	|	|	|	1.11
99.000	0.00	0.50	1.618	O	|	|	|	1.11
99.083	0.00	0.50	1.615	O	|	|	|	1.11
99.167	0.00	0.50	1.611	O	|	|	|	1.10
99.250	0.00	0.49	1.608	O	|	|	|	1.10
99.333	0.00	0.49	1.605	O	|	|	|	1.10
99.417	0.00	0.49	1.601	O	|	|	|	1.10
99.500	0.00	0.49	1.598	O	|	|	|	1.10
99.583	0.00	0.49	1.594	O	|	|	|	1.09
99.667	0.00	0.49	1.591	O	|	|	|	1.09
99.750	0.00	0.49	1.588	O	|	|	|	1.09
99.833	0.00	0.49	1.584	O	|	|	|	1.09
99.917	0.00	0.49	1.581	O	|	|	|	1.08
100.000	0.00	0.49	1.578	O	|	|	|	1.08
100.083	0.00	0.49	1.574	O	|	|	|	1.08
100.167	0.00	0.49	1.571	O	|	|	|	1.08
100.250	0.00	0.49	1.567	O	|	|	|	1.08
100.333	0.00	0.49	1.564	O	|	|	|	1.07
100.417	0.00	0.49	1.561	O	|	|	|	1.07
100.500	0.00	0.49	1.557	O	|	|	|	1.07
100.583	0.00	0.49	1.554	O	|	|	|	1.07

100.667	0.00	0.49	1.551	O	|	|	|	1.06
100.750	0.00	0.49	1.547	O	|	|	|	1.06
100.833	0.00	0.48	1.544	O	|	|	|	1.06
100.917	0.00	0.48	1.541	O	|	|	|	1.06
101.000	0.00	0.48	1.537	O	|	|	|	1.06
101.083	0.00	0.48	1.534	O	|	|	|	1.05
101.167	0.00	0.48	1.531	O	|	|	|	1.05
101.250	0.00	0.48	1.527	O	|	|	|	1.05
101.333	0.00	0.48	1.524	O	|	|	|	1.05
101.417	0.00	0.48	1.521	O	|	|	|	1.05
101.500	0.00	0.48	1.517	O	|	|	|	1.04
101.583	0.00	0.48	1.514	O	|	|	|	1.04
101.667	0.00	0.48	1.511	O	|	|	|	1.04
101.750	0.00	0.48	1.508	O	|	|	|	1.04
101.833	0.00	0.48	1.504	O	|	|	|	1.03
101.917	0.00	0.48	1.501	O	|	|	|	1.03
102.000	0.00	0.48	1.498	O	|	|	|	1.03
102.083	0.00	0.48	1.494	O	|	|	|	1.03
102.167	0.00	0.48	1.491	O	|	|	|	1.03
102.250	0.00	0.48	1.488	O	|	|	|	1.02
102.333	0.00	0.48	1.485	O	|	|	|	1.02
102.417	0.00	0.47	1.481	O	|	|	|	1.02
102.500	0.00	0.47	1.478	O	|	|	|	1.02
102.583	0.00	0.47	1.475	O	|	|	|	1.02
102.667	0.00	0.47	1.471	O	|	|	|	1.01
102.750	0.00	0.47	1.468	O	|	|	|	1.01
102.833	0.00	0.47	1.465	O	|	|	|	1.01
102.917	0.00	0.47	1.462	O	|	|	|	1.01
103.000	0.00	0.47	1.458	O	|	|	|	1.01
103.083	0.00	0.47	1.455	O	|	|	|	1.00
103.167	0.00	0.47	1.452	O	|	|	|	1.00
103.250	0.00	0.47	1.449	O	|	|	|	1.00
103.333	0.00	0.47	1.445	O	|	|	|	1.00
103.417	0.00	0.47	1.442	O	|	|	|	0.99
103.500	0.00	0.47	1.439	O	|	|	|	0.99
103.583	0.00	0.47	1.436	O	|	|	|	0.99
103.667	0.00	0.46	1.433	O	|	|	|	0.99
103.750	0.00	0.46	1.429	O	|	|	|	0.99
103.833	0.00	0.46	1.426	O	|	|	|	0.98
103.917	0.00	0.46	1.423	O	|	|	|	0.98
104.000	0.00	0.46	1.420	O	|	|	|	0.98
104.083	0.00	0.46	1.417	O	|	|	|	0.98
104.167	0.00	0.46	1.414	O	|	|	|	0.97
104.250	0.00	0.46	1.410	O	|	|	|	0.97
104.333	0.00	0.46	1.407	O	|	|	|	0.97
104.417	0.00	0.46	1.404	O	|	|	|	0.97
104.500	0.00	0.45	1.401	O	|	|	|	0.97
104.583	0.00	0.45	1.398	O	|	|	|	0.96
104.667	0.00	0.45	1.395	O	|	|	|	0.96
104.750	0.00	0.45	1.392	O	|	|	|	0.96
104.833	0.00	0.45	1.389	O	|	|	|	0.96
104.917	0.00	0.45	1.385	O	|	|	|	0.96
105.000	0.00	0.45	1.382	O	|	|	|	0.95
105.083	0.00	0.45	1.379	O	|	|	|	0.95
105.167	0.00	0.45	1.376	O	|	|	|	0.95
105.250	0.00	0.45	1.373	O	|	|	|	0.95
105.333	0.00	0.44	1.370	O	|	|	|	0.94
105.417	0.00	0.44	1.367	O	|	|	|	0.94
105.500	0.00	0.44	1.364	O	|	|	|	0.94
105.583	0.00	0.44	1.361	O	|	|	|	0.94
105.667	0.00	0.44	1.358	O	|	|	|	0.94
105.750	0.00	0.44	1.355	O	|	|	|	0.93
105.833	0.00	0.44	1.352	O	|	|	|	0.93
105.917	0.00	0.44	1.349	O	|	|	|	0.93
106.000	0.00	0.44	1.346	O	|	|	|	0.93
106.083	0.00	0.44	1.343	O	|	|	|	0.93
106.167	0.00	0.43	1.340	O	|	|	|	0.92

106.250	0.00	0.43	1.337	O	|	|	|	0.92
106.333	0.00	0.43	1.334	O	|	|	|	0.92
106.417	0.00	0.43	1.331	O	|	|	|	0.92
106.500	0.00	0.43	1.328	O	|	|	|	0.92
106.583	0.00	0.43	1.325	O	|	|	|	0.91
106.667	0.00	0.43	1.322	O	|	|	|	0.91
106.750	0.00	0.43	1.319	O	|	|	|	0.91
106.833	0.00	0.43	1.316	O	|	|	|	0.91
106.917	0.00	0.43	1.313	O	|	|	|	0.91
107.000	0.00	0.42	1.310	O	|	|	|	0.90
107.083	0.00	0.42	1.307	O	|	|	|	0.90
107.167	0.00	0.42	1.304	O	|	|	|	0.90
107.250	0.00	0.42	1.301	O	|	|	|	0.90
107.333	0.00	0.42	1.299	O	|	|	|	0.90
107.417	0.00	0.42	1.296	O	|	|	|	0.89
107.500	0.00	0.42	1.293	O	|	|	|	0.89
107.583	0.00	0.42	1.290	O	|	|	|	0.89
107.667	0.00	0.42	1.287	O	|	|	|	0.89
107.750	0.00	0.42	1.284	O	|	|	|	0.89
107.833	0.00	0.42	1.281	O	|	|	|	0.88
107.917	0.00	0.41	1.278	O	|	|	|	0.88
108.000	0.00	0.41	1.276	O	|	|	|	0.88
108.083	0.00	0.41	1.273	O	|	|	|	0.88
108.167	0.00	0.41	1.270	O	|	|	|	0.88
108.250	0.00	0.41	1.267	O	|	|	|	0.87
108.333	0.00	0.41	1.264	O	|	|	|	0.87
108.417	0.00	0.41	1.261	O	|	|	|	0.87
108.500	0.00	0.41	1.259	O	|	|	|	0.87
108.583	0.00	0.41	1.256	O	|	|	|	0.87
108.667	0.00	0.41	1.253	O	|	|	|	0.86
108.750	0.00	0.41	1.250	O	|	|	|	0.86
108.833	0.00	0.40	1.247	O	|	|	|	0.86
108.917	0.00	0.40	1.245	O	|	|	|	0.86
109.000	0.00	0.40	1.242	O	|	|	|	0.86
109.083	0.00	0.40	1.239	O	|	|	|	0.85
109.167	0.00	0.40	1.236	O	|	|	|	0.85
109.250	0.00	0.40	1.234	O	|	|	|	0.85
109.333	0.00	0.40	1.231	O	|	|	|	0.85
109.417	0.00	0.40	1.228	O	|	|	|	0.85
109.500	0.00	0.40	1.225	O	|	|	|	0.85
109.583	0.00	0.40	1.223	O	|	|	|	0.84
109.667	0.00	0.40	1.220	O	|	|	|	0.84
109.750	0.00	0.39	1.217	O	|	|	|	0.84
109.833	0.00	0.39	1.214	O	|	|	|	0.84
109.917	0.00	0.39	1.212	O	|	|	|	0.84
110.000	0.00	0.39	1.209	O	|	|	|	0.83
110.083	0.00	0.39	1.206	O	|	|	|	0.83
110.167	0.00	0.39	1.204	O	|	|	|	0.83
110.250	0.00	0.39	1.201	O	|	|	|	0.83
110.333	0.00	0.39	1.198	O	|	|	|	0.83
110.417	0.00	0.39	1.196	O	|	|	|	0.82
110.500	0.00	0.39	1.193	O	|	|	|	0.82
110.583	0.00	0.39	1.190	O	|	|	|	0.82
110.667	0.00	0.38	1.188	O	|	|	|	0.82
110.750	0.00	0.38	1.185	O	|	|	|	0.82
110.833	0.00	0.38	1.182	O	|	|	|	0.82
110.917	0.00	0.38	1.180	O	|	|	|	0.81
111.000	0.00	0.38	1.177	O	|	|	|	0.81
111.083	0.00	0.38	1.174	O	|	|	|	0.81
111.167	0.00	0.38	1.172	O	|	|	|	0.81
111.250	0.00	0.38	1.169	O	|	|	|	0.81
111.333	0.00	0.38	1.167	O	|	|	|	0.80
111.417	0.00	0.38	1.164	O	|	|	|	0.80
111.500	0.00	0.38	1.161	O	|	|	|	0.80
111.583	0.00	0.38	1.159	O	|	|	|	0.80
111.667	0.00	0.37	1.156	O	|	|	|	0.80
111.750	0.00	0.37	1.154	O	|	|	|	0.80

111.833	0.00	0.37	1.151	O	|	|	|	0.79
111.917	0.00	0.37	1.149	O	|	|	|	0.79
112.000	0.00	0.37	1.146	O	|	|	|	0.79
112.083	0.00	0.37	1.143	O	|	|	|	0.79
112.167	0.00	0.37	1.141	O	|	|	|	0.79
112.250	0.00	0.37	1.138	O	|	|	|	0.79
112.333	0.00	0.37	1.136	O	|	|	|	0.78
112.417	0.00	0.37	1.133	O	|	|	|	0.78
112.500	0.00	0.37	1.131	O	|	|	|	0.78
112.583	0.00	0.37	1.128	O	|	|	|	0.78
112.667	0.00	0.36	1.126	O	|	|	|	0.78
112.750	0.00	0.36	1.123	O	|	|	|	0.77
112.833	0.00	0.36	1.121	O	|	|	|	0.77
112.917	0.00	0.36	1.118	O	|	|	|	0.77
113.000	0.00	0.36	1.116	O	|	|	|	0.77
113.083	0.00	0.36	1.113	O	|	|	|	0.77
113.167	0.00	0.36	1.111	O	|	|	|	0.77
113.250	0.00	0.36	1.108	O	|	|	|	0.76
113.333	0.00	0.36	1.106	O	|	|	|	0.76
113.417	0.00	0.36	1.103	O	|	|	|	0.76
113.500	0.00	0.36	1.101	O	|	|	|	0.76
113.583	0.00	0.36	1.098	O	|	|	|	0.76
113.667	0.00	0.36	1.096	O	|	|	|	0.76
113.750	0.00	0.35	1.094	O	|	|	|	0.75
113.833	0.00	0.35	1.091	O	|	|	|	0.75
113.917	0.00	0.35	1.089	O	|	|	|	0.75
114.000	0.00	0.35	1.086	O	|	|	|	0.75
114.083	0.00	0.35	1.084	O	|	|	|	0.75
114.167	0.00	0.35	1.081	O	|	|	|	0.75
114.250	0.00	0.35	1.079	O	|	|	|	0.74
114.333	0.00	0.35	1.077	O	|	|	|	0.74
114.417	0.00	0.35	1.074	O	|	|	|	0.74
114.500	0.00	0.35	1.072	O	|	|	|	0.74
114.583	0.00	0.35	1.069	O	|	|	|	0.74
114.667	0.00	0.35	1.067	O	|	|	|	0.74
114.750	0.00	0.35	1.065	O	|	|	|	0.73
114.833	0.00	0.34	1.062	O	|	|	|	0.73
114.917	0.00	0.34	1.060	O	|	|	|	0.73
115.000	0.00	0.34	1.057	O	|	|	|	0.73
115.083	0.00	0.34	1.055	O	|	|	|	0.73
115.167	0.00	0.34	1.053	O	|	|	|	0.73
115.250	0.00	0.34	1.050	O	|	|	|	0.72
115.333	0.00	0.34	1.048	O	|	|	|	0.72
115.417	0.00	0.34	1.046	O	|	|	|	0.72
115.500	0.00	0.34	1.043	O	|	|	|	0.72
115.583	0.00	0.34	1.041	O	|	|	|	0.72
115.667	0.00	0.34	1.039	O	|	|	|	0.72
115.750	0.00	0.34	1.036	O	|	|	|	0.71
115.833	0.00	0.34	1.034	O	|	|	|	0.71
115.917	0.00	0.33	1.032	O	|	|	|	0.71
116.000	0.00	0.33	1.030	O	|	|	|	0.71
116.083	0.00	0.33	1.027	O	|	|	|	0.71
116.167	0.00	0.33	1.025	O	|	|	|	0.71
116.250	0.00	0.33	1.023	O	|	|	|	0.71
116.333	0.00	0.33	1.020	O	|	|	|	0.70
116.417	0.00	0.33	1.018	O	|	|	|	0.70
116.500	0.00	0.33	1.016	O	|	|	|	0.70
116.583	0.00	0.33	1.014	O	|	|	|	0.70
116.667	0.00	0.33	1.011	O	|	|	|	0.70
116.750	0.00	0.33	1.009	O	|	|	|	0.70
116.833	0.00	0.33	1.007	O	|	|	|	0.69
116.917	0.00	0.33	1.005	O	|	|	|	0.69
117.000	0.00	0.32	1.002	O	|	|	|	0.69
117.083	0.00	0.32	1.000	O	|	|	|	0.69
117.167	0.00	0.32	0.998	O	|	|	|	0.69
117.250	0.00	0.32	0.996	O	|	|	|	0.69
117.333	0.00	0.32	0.993	O	|	|	|	0.69

117.417	0.00	0.32	0.991	O	|	|	|	|	0.68
117.500	0.00	0.32	0.989	O	|	|	|	|	0.68
117.583	0.00	0.32	0.987	O	|	|	|	|	0.68
117.667	0.00	0.32	0.985	O	|	|	|	|	0.68
117.750	0.00	0.32	0.982	O	|	|	|	|	0.68
117.833	0.00	0.32	0.980	O	|	|	|	|	0.68
117.917	0.00	0.32	0.978	O	|	|	|	|	0.67
118.000	0.00	0.32	0.976	O	|	|	|	|	0.67
118.083	0.00	0.32	0.974	O	|	|	|	|	0.67
118.167	0.00	0.31	0.971	O	|	|	|	|	0.67
118.250	0.00	0.31	0.969	O	|	|	|	|	0.67
118.333	0.00	0.31	0.967	O	|	|	|	|	0.67
118.417	0.00	0.31	0.965	O	|	|	|	|	0.67
118.500	0.00	0.31	0.963	O	|	|	|	|	0.66
118.583	0.00	0.31	0.961	O	|	|	|	|	0.66
118.667	0.00	0.31	0.959	O	|	|	|	|	0.66
118.750	0.00	0.31	0.956	O	|	|	|	|	0.66
118.833	0.00	0.31	0.954	O	|	|	|	|	0.66
118.917	0.00	0.31	0.952	O	|	|	|	|	0.66
119.000	0.00	0.31	0.950	O	|	|	|	|	0.66
119.083	0.00	0.31	0.948	O	|	|	|	|	0.65
119.167	0.00	0.31	0.946	O	|	|	|	|	0.65
119.250	0.00	0.31	0.944	O	|	|	|	|	0.65
119.333	0.00	0.31	0.942	O	|	|	|	|	0.65
119.417	0.00	0.30	0.940	O	|	|	|	|	0.65
119.500	0.00	0.30	0.937	O	|	|	|	|	0.65
119.583	0.00	0.30	0.935	O	|	|	|	|	0.65
119.667	0.00	0.30	0.933	O	|	|	|	|	0.64
119.750	0.00	0.30	0.931	O	|	|	|	|	0.64
119.833	0.00	0.30	0.929	O	|	|	|	|	0.64
119.917	0.00	0.30	0.927	O	|	|	|	|	0.64
120.000	0.00	0.30	0.925	O	|	|	|	|	0.64
120.083	0.00	0.30	0.923	O	|	|	|	|	0.64
120.167	0.00	0.30	0.921	O	|	|	|	|	0.64
120.250	0.00	0.30	0.919	O	|	|	|	|	0.63
120.333	0.00	0.30	0.917	O	|	|	|	|	0.63
120.417	0.00	0.30	0.915	O	|	|	|	|	0.63
120.500	0.00	0.30	0.913	O	|	|	|	|	0.63
120.583	0.00	0.30	0.911	O	|	|	|	|	0.63
120.667	0.00	0.29	0.909	O	|	|	|	|	0.63
120.750	0.00	0.29	0.907	O	|	|	|	|	0.63
120.833	0.00	0.29	0.905	O	|	|	|	|	0.62
120.917	0.00	0.29	0.902	O	|	|	|	|	0.62
121.000	0.00	0.29	0.900	O	|	|	|	|	0.62
121.083	0.00	0.29	0.898	O	|	|	|	|	0.62
121.167	0.00	0.29	0.896	O	|	|	|	|	0.62
121.250	0.00	0.29	0.894	O	|	|	|	|	0.62
121.333	0.00	0.29	0.892	O	|	|	|	|	0.62
121.417	0.00	0.29	0.890	O	|	|	|	|	0.61
121.500	0.00	0.29	0.889	O	|	|	|	|	0.61
121.583	0.00	0.29	0.887	O	|	|	|	|	0.61
121.667	0.00	0.29	0.885	O	|	|	|	|	0.61
121.750	0.00	0.29	0.883	O	|	|	|	|	0.61
121.833	0.00	0.29	0.881	O	|	|	|	|	0.61
121.917	0.00	0.28	0.879	O	|	|	|	|	0.61
122.000	0.00	0.28	0.877	O	|	|	|	|	0.60
122.083	0.00	0.28	0.875	O	|	|	|	|	0.60
122.167	0.00	0.28	0.873	O	|	|	|	|	0.60
122.250	0.00	0.28	0.871	O	|	|	|	|	0.60
122.333	0.00	0.28	0.869	O	|	|	|	|	0.60
122.417	0.00	0.28	0.867	O	|	|	|	|	0.60
122.500	0.00	0.28	0.865	O	|	|	|	|	0.60
122.583	0.00	0.28	0.863	O	|	|	|	|	0.60
122.667	0.00	0.28	0.861	O	|	|	|	|	0.59
122.750	0.00	0.28	0.859	O	|	|	|	|	0.59
122.833	0.00	0.28	0.857	O	|	|	|	|	0.59
122.917	0.00	0.28	0.855	O	|	|	|	|	0.59

123.000	0.00	0.28	0.854	O	|	|	|	0.59
123.083	0.00	0.28	0.852	O	|	|	|	0.59
123.167	0.00	0.28	0.850	O	|	|	|	0.59
123.250	0.00	0.27	0.848	O	|	|	|	0.58
123.333	0.00	0.27	0.846	O	|	|	|	0.58
123.417	0.00	0.27	0.844	O	|	|	|	0.58
123.500	0.00	0.27	0.842	O	|	|	|	0.58
123.583	0.00	0.27	0.840	O	|	|	|	0.58
123.667	0.00	0.27	0.838	O	|	|	|	0.58
123.750	0.00	0.27	0.837	O	|	|	|	0.58
123.833	0.00	0.27	0.835	O	|	|	|	0.58
123.917	0.00	0.27	0.833	O	|	|	|	0.57
124.000	0.00	0.27	0.831	O	|	|	|	0.57
124.083	0.00	0.27	0.829	O	|	|	|	0.57
124.167	0.00	0.27	0.827	O	|	|	|	0.57
124.250	0.00	0.27	0.825	O	|	|	|	0.57
124.333	0.00	0.27	0.824	O	|	|	|	0.57
124.417	0.00	0.27	0.822	O	|	|	|	0.57
124.500	0.00	0.27	0.820	O	|	|	|	0.57
124.583	0.00	0.27	0.818	O	|	|	|	0.56
124.667	0.00	0.26	0.816	O	|	|	|	0.56
124.750	0.00	0.26	0.814	O	|	|	|	0.56
124.833	0.00	0.26	0.813	O	|	|	|	0.56
124.917	0.00	0.26	0.811	O	|	|	|	0.56
125.000	0.00	0.26	0.809	O	|	|	|	0.56
125.083	0.00	0.26	0.807	O	|	|	|	0.56
125.167	0.00	0.26	0.805	O	|	|	|	0.56
125.250	0.00	0.26	0.804	O	|	|	|	0.55
125.333	0.00	0.26	0.802	O	|	|	|	0.55
125.417	0.00	0.26	0.800	O	|	|	|	0.55
125.500	0.00	0.26	0.798	O	|	|	|	0.55
125.583	0.00	0.26	0.796	O	|	|	|	0.55
125.667	0.00	0.26	0.795	O	|	|	|	0.55
125.750	0.00	0.26	0.793	O	|	|	|	0.55
125.833	0.00	0.26	0.791	O	|	|	|	0.55
125.917	0.00	0.26	0.789	O	|	|	|	0.54
126.000	0.00	0.26	0.788	O	|	|	|	0.54
126.083	0.00	0.25	0.786	O	|	|	|	0.54
126.167	0.00	0.25	0.784	O	|	|	|	0.54
126.250	0.00	0.25	0.782	O	|	|	|	0.54
126.333	0.00	0.25	0.781	O	|	|	|	0.54
126.417	0.00	0.25	0.779	O	|	|	|	0.54
126.500	0.00	0.25	0.777	O	|	|	|	0.54
126.583	0.00	0.25	0.775	O	|	|	|	0.53
126.667	0.00	0.25	0.774	O	|	|	|	0.53
126.750	0.00	0.25	0.772	O	|	|	|	0.53
126.833	0.00	0.25	0.770	O	|	|	|	0.53
126.917	0.00	0.25	0.768	O	|	|	|	0.53
127.000	0.00	0.25	0.767	O	|	|	|	0.53
127.083	0.00	0.25	0.765	O	|	|	|	0.53
127.167	0.00	0.25	0.763	O	|	|	|	0.53
127.250	0.00	0.25	0.762	O	|	|	|	0.53
127.333	0.00	0.25	0.760	O	|	|	|	0.52
127.417	0.00	0.25	0.758	O	|	|	|	0.52
127.500	0.00	0.25	0.757	O	|	|	|	0.52
127.583	0.00	0.24	0.755	O	|	|	|	0.52
127.667	0.00	0.24	0.753	O	|	|	|	0.52
127.750	0.00	0.24	0.752	O	|	|	|	0.52
127.833	0.00	0.24	0.750	O	|	|	|	0.52
127.917	0.00	0.24	0.748	O	|	|	|	0.52
128.000	0.00	0.24	0.747	O	|	|	|	0.51
128.083	0.00	0.24	0.745	O	|	|	|	0.51
128.167	0.00	0.24	0.743	O	|	|	|	0.51
128.250	0.00	0.24	0.742	O	|	|	|	0.51
128.333	0.00	0.24	0.740	O	|	|	|	0.51
128.417	0.00	0.24	0.738	O	|	|	|	0.51
128.500	0.00	0.24	0.737	O	|	|	|	0.51

128.583	0.00	0.24	0.735	O	|	|	|	0.51
128.667	0.00	0.24	0.733	O	|	|	|	0.51
128.750	0.00	0.24	0.732	O	|	|	|	0.50
128.833	0.00	0.24	0.730	O	|	|	|	0.50
128.917	0.00	0.24	0.728	O	|	|	|	0.50
129.000	0.00	0.24	0.727	O	|	|	|	0.50
129.083	0.00	0.24	0.725	O	|	|	|	0.50
129.167	0.00	0.23	0.724	O	|	|	|	0.50
129.250	0.00	0.23	0.722	O	|	|	|	0.50
129.333	0.00	0.23	0.720	O	|	|	|	0.50
129.417	0.00	0.23	0.719	O	|	|	|	0.50
129.500	0.00	0.23	0.717	O	|	|	|	0.49
129.583	0.00	0.23	0.716	O	|	|	|	0.49
129.667	0.00	0.23	0.714	O	|	|	|	0.49
129.750	0.00	0.23	0.712	O	|	|	|	0.49
129.833	0.00	0.23	0.711	O	|	|	|	0.49
129.917	0.00	0.23	0.709	O	|	|	|	0.49
130.000	0.00	0.23	0.708	O	|	|	|	0.49
130.083	0.00	0.23	0.706	O	|	|	|	0.49
130.167	0.00	0.23	0.704	O	|	|	|	0.49
130.250	0.00	0.23	0.703	O	|	|	|	0.48
130.333	0.00	0.23	0.701	O	|	|	|	0.48
130.417	0.00	0.23	0.700	O	|	|	|	0.48
130.500	0.00	0.23	0.698	O	|	|	|	0.48
130.583	0.00	0.23	0.697	O	|	|	|	0.48
130.667	0.00	0.23	0.695	O	|	|	|	0.48
130.750	0.00	0.22	0.693	O	|	|	|	0.48
130.833	0.00	0.22	0.692	O	|	|	|	0.48
130.917	0.00	0.22	0.690	O	|	|	|	0.48
131.000	0.00	0.22	0.689	O	|	|	|	0.48
131.083	0.00	0.22	0.687	O	|	|	|	0.47
131.167	0.00	0.22	0.686	O	|	|	|	0.47
131.250	0.00	0.22	0.684	O	|	|	|	0.47
131.333	0.00	0.22	0.683	O	|	|	|	0.47
131.417	0.00	0.22	0.681	O	|	|	|	0.47
131.500	0.00	0.22	0.680	O	|	|	|	0.47
131.583	0.00	0.22	0.678	O	|	|	|	0.47
131.667	0.00	0.22	0.677	O	|	|	|	0.47
131.750	0.00	0.22	0.675	O	|	|	|	0.47
131.833	0.00	0.22	0.674	O	|	|	|	0.46
131.917	0.00	0.22	0.672	O	|	|	|	0.46
132.000	0.00	0.22	0.671	O	|	|	|	0.46
132.083	0.00	0.22	0.669	O	|	|	|	0.46
132.167	0.00	0.22	0.668	O	|	|	|	0.46
132.250	0.00	0.22	0.666	O	|	|	|	0.46
132.333	0.00	0.22	0.665	O	|	|	|	0.46
132.417	0.00	0.21	0.663	O	|	|	|	0.46
132.500	0.00	0.21	0.662	O	|	|	|	0.46
132.583	0.00	0.21	0.660	O	|	|	|	0.46
132.667	0.00	0.21	0.659	O	|	|	|	0.45
132.750	0.00	0.21	0.657	O	|	|	|	0.45
132.833	0.00	0.21	0.656	O	|	|	|	0.45
132.917	0.00	0.21	0.654	O	|	|	|	0.45
133.000	0.00	0.21	0.653	O	|	|	|	0.45
133.083	0.00	0.21	0.651	O	|	|	|	0.45
133.167	0.00	0.21	0.650	O	|	|	|	0.45
133.250	0.00	0.21	0.649	O	|	|	|	0.45
133.333	0.00	0.21	0.647	O	|	|	|	0.45
133.417	0.00	0.21	0.646	O	|	|	|	0.45
133.500	0.00	0.21	0.644	O	|	|	|	0.44
133.583	0.00	0.21	0.643	O	|	|	|	0.44
133.667	0.00	0.21	0.641	O	|	|	|	0.44
133.750	0.00	0.21	0.640	O	|	|	|	0.44
133.833	0.00	0.21	0.639	O	|	|	|	0.44
133.917	0.00	0.21	0.637	O	|	|	|	0.44
134.000	0.00	0.21	0.636	O	|	|	|	0.44
134.083	0.00	0.21	0.634	O	|	|	|	0.44

134.167	0.00	0.21	0.633	O	|	|	|	|	0.44
134.250	0.00	0.20	0.631	O	|	|	|	|	0.44
134.333	0.00	0.20	0.630	O	|	|	|	|	0.43
134.417	0.00	0.20	0.629	O	|	|	|	|	0.43
134.500	0.00	0.20	0.627	O	|	|	|	|	0.43
134.583	0.00	0.20	0.626	O	|	|	|	|	0.43
134.667	0.00	0.20	0.624	O	|	|	|	|	0.43
134.750	0.00	0.20	0.623	O	|	|	|	|	0.43
134.833	0.00	0.20	0.622	O	|	|	|	|	0.43
134.917	0.00	0.20	0.620	O	|	|	|	|	0.43
135.000	0.00	0.20	0.619	O	|	|	|	|	0.43
135.083	0.00	0.20	0.617	O	|	|	|	|	0.43
135.167	0.00	0.20	0.616	O	|	|	|	|	0.42
135.250	0.00	0.20	0.615	O	|	|	|	|	0.42
135.333	0.00	0.20	0.613	O	|	|	|	|	0.42
135.417	0.00	0.20	0.612	O	|	|	|	|	0.42
135.500	0.00	0.20	0.611	O	|	|	|	|	0.42
135.583	0.00	0.20	0.609	O	|	|	|	|	0.42
135.667	0.00	0.20	0.608	O	|	|	|	|	0.42
135.750	0.00	0.20	0.607	O	|	|	|	|	0.42
135.833	0.00	0.20	0.605	O	|	|	|	|	0.42
135.917	0.00	0.20	0.604	O	|	|	|	|	0.42
136.000	0.00	0.20	0.603	O	|	|	|	|	0.42
136.083	0.00	0.19	0.601	O	|	|	|	|	0.41
136.167	0.00	0.19	0.600	O	|	|	|	|	0.41
136.250	0.00	0.19	0.598	O	|	|	|	|	0.41
136.333	0.00	0.19	0.597	O	|	|	|	|	0.41
136.417	0.00	0.19	0.596	O	|	|	|	|	0.41
136.500	0.00	0.19	0.594	O	|	|	|	|	0.41
136.583	0.00	0.19	0.593	O	|	|	|	|	0.41
136.667	0.00	0.19	0.592	O	|	|	|	|	0.41
136.750	0.00	0.19	0.591	O	|	|	|	|	0.41
136.833	0.00	0.19	0.589	O	|	|	|	|	0.41
136.917	0.00	0.19	0.588	O	|	|	|	|	0.41
137.000	0.00	0.19	0.587	O	|	|	|	|	0.40
137.083	0.00	0.19	0.585	O	|	|	|	|	0.40
137.167	0.00	0.19	0.584	O	|	|	|	|	0.40
137.250	0.00	0.19	0.583	O	|	|	|	|	0.40
137.333	0.00	0.19	0.581	O	|	|	|	|	0.40
137.417	0.00	0.19	0.580	O	|	|	|	|	0.40
137.500	0.00	0.19	0.579	O	|	|	|	|	0.40
137.583	0.00	0.19	0.577	O	|	|	|	|	0.40
137.667	0.00	0.19	0.576	O	|	|	|	|	0.40
137.750	0.00	0.19	0.575	O	|	|	|	|	0.40
137.833	0.00	0.19	0.574	O	|	|	|	|	0.40
137.917	0.00	0.19	0.572	O	|	|	|	|	0.39
138.000	0.00	0.19	0.571	O	|	|	|	|	0.39
138.083	0.00	0.18	0.570	O	|	|	|	|	0.39
138.167	0.00	0.18	0.569	O	|	|	|	|	0.39
138.250	0.00	0.18	0.567	O	|	|	|	|	0.39
138.333	0.00	0.18	0.566	O	|	|	|	|	0.39
138.417	0.00	0.18	0.565	O	|	|	|	|	0.39
138.500	0.00	0.18	0.563	O	|	|	|	|	0.39
138.583	0.00	0.18	0.562	O	|	|	|	|	0.39
138.667	0.00	0.18	0.561	O	|	|	|	|	0.39
138.750	0.00	0.18	0.560	O	|	|	|	|	0.39
138.833	0.00	0.18	0.558	O	|	|	|	|	0.39
138.917	0.00	0.18	0.557	O	|	|	|	|	0.38
139.000	0.00	0.18	0.556	O	|	|	|	|	0.38
139.083	0.00	0.18	0.555	O	|	|	|	|	0.38
139.167	0.00	0.18	0.554	O	|	|	|	|	0.38
139.250	0.00	0.18	0.552	O	|	|	|	|	0.38
139.333	0.00	0.18	0.551	O	|	|	|	|	0.38
139.417	0.00	0.18	0.550	O	|	|	|	|	0.38
139.500	0.00	0.18	0.549	O	|	|	|	|	0.38
139.583	0.00	0.18	0.547	O	|	|	|	|	0.38
139.667	0.00	0.18	0.546	O	|	|	|	|	0.38

139.750	0.00	0.18	0.545	O	|	|	|	|	0.38
139.833	0.00	0.18	0.544	O	|	|	|	|	0.37
139.917	0.00	0.18	0.543	O	|	|	|	|	0.37
140.000	0.00	0.18	0.541	O	|	|	|	|	0.37
140.083	0.00	0.18	0.540	O	|	|	|	|	0.37
140.167	0.00	0.17	0.539	O	|	|	|	|	0.37
140.250	0.00	0.17	0.538	O	|	|	|	|	0.37
140.333	0.00	0.17	0.536	O	|	|	|	|	0.37
140.417	0.00	0.17	0.535	O	|	|	|	|	0.37
140.500	0.00	0.17	0.534	O	|	|	|	|	0.37
140.583	0.00	0.17	0.533	O	|	|	|	|	0.37
140.667	0.00	0.17	0.532	O	|	|	|	|	0.37
140.750	0.00	0.17	0.531	O	|	|	|	|	0.37
140.833	0.00	0.17	0.529	O	|	|	|	|	0.37
140.917	0.00	0.17	0.528	O	|	|	|	|	0.36
141.000	0.00	0.17	0.527	O	|	|	|	|	0.36
141.083	0.00	0.17	0.526	O	|	|	|	|	0.36
141.167	0.00	0.17	0.525	O	|	|	|	|	0.36
141.250	0.00	0.17	0.523	O	|	|	|	|	0.36
141.333	0.00	0.17	0.522	O	|	|	|	|	0.36
141.417	0.00	0.17	0.521	O	|	|	|	|	0.36
141.500	0.00	0.17	0.520	O	|	|	|	|	0.36
141.583	0.00	0.17	0.519	O	|	|	|	|	0.36
141.667	0.00	0.17	0.518	O	|	|	|	|	0.36
141.750	0.00	0.17	0.517	O	|	|	|	|	0.36
141.833	0.00	0.17	0.515	O	|	|	|	|	0.36
141.917	0.00	0.17	0.514	O	|	|	|	|	0.35
142.000	0.00	0.17	0.513	O	|	|	|	|	0.35
142.083	0.00	0.17	0.512	O	|	|	|	|	0.35
142.167	0.00	0.17	0.511	O	|	|	|	|	0.35
142.250	0.00	0.17	0.510	O	|	|	|	|	0.35
142.333	0.00	0.16	0.508	O	|	|	|	|	0.35
142.417	0.00	0.16	0.507	O	|	|	|	|	0.35
142.500	0.00	0.16	0.506	O	|	|	|	|	0.35
142.583	0.00	0.16	0.505	O	|	|	|	|	0.35
142.667	0.00	0.16	0.504	O	|	|	|	|	0.35
142.750	0.00	0.16	0.503	O	|	|	|	|	0.35
142.833	0.00	0.16	0.502	O	|	|	|	|	0.35
142.917	0.00	0.16	0.501	O	|	|	|	|	0.35
143.000	0.00	0.16	0.499	O	|	|	|	|	0.34
143.083	0.00	0.16	0.498	O	|	|	|	|	0.34
143.167	0.00	0.16	0.497	O	|	|	|	|	0.34
143.250	0.00	0.16	0.496	O	|	|	|	|	0.34
143.333	0.00	0.16	0.495	O	|	|	|	|	0.34
143.417	0.00	0.16	0.494	O	|	|	|	|	0.34
143.500	0.00	0.16	0.493	O	|	|	|	|	0.34
143.583	0.00	0.16	0.492	O	|	|	|	|	0.34
143.667	0.00	0.16	0.491	O	|	|	|	|	0.34
143.750	0.00	0.16	0.490	O	|	|	|	|	0.34
143.833	0.00	0.16	0.488	O	|	|	|	|	0.34
143.917	0.00	0.16	0.487	O	|	|	|	|	0.34
144.000	0.00	0.16	0.486	O	|	|	|	|	0.34
144.083	0.00	0.16	0.485	O	|	|	|	|	0.33
144.167	0.00	0.16	0.484	O	|	|	|	|	0.33
144.250	0.00	0.16	0.483	O	|	|	|	|	0.33
144.333	0.00	0.16	0.482	O	|	|	|	|	0.33
144.417	0.00	0.16	0.481	O	|	|	|	|	0.33
144.500	0.00	0.16	0.480	O	|	|	|	|	0.33
144.583	0.00	0.16	0.479	O	|	|	|	|	0.33
144.667	0.00	0.15	0.478	O	|	|	|	|	0.33
144.750	0.00	0.15	0.477	O	|	|	|	|	0.33
144.833	0.00	0.15	0.476	O	|	|	|	|	0.33
144.917	0.00	0.15	0.474	O	|	|	|	|	0.33
145.000	0.00	0.15	0.473	O	|	|	|	|	0.33
145.083	0.00	0.15	0.472	O	|	|	|	|	0.33
145.167	0.00	0.15	0.471	O	|	|	|	|	0.33
145.250	0.00	0.15	0.470	O	|	|	|	|	0.32

145.333	0.00	0.15	0.469	O	|	|	|	|	0.32
145.417	0.00	0.15	0.468	O	|	|	|	|	0.32
145.500	0.00	0.15	0.467	O	|	|	|	|	0.32
145.583	0.00	0.15	0.466	O	|	|	|	|	0.32
145.667	0.00	0.15	0.465	O	|	|	|	|	0.32
145.750	0.00	0.15	0.464	O	|	|	|	|	0.32
145.833	0.00	0.15	0.463	O	|	|	|	|	0.32
145.917	0.00	0.15	0.462	O	|	|	|	|	0.32
146.000	0.00	0.15	0.461	O	|	|	|	|	0.32
146.083	0.00	0.15	0.460	O	|	|	|	|	0.32
146.167	0.00	0.15	0.459	O	|	|	|	|	0.32
146.250	0.00	0.15	0.458	O	|	|	|	|	0.32
146.333	0.00	0.15	0.457	O	|	|	|	|	0.32
146.417	0.00	0.15	0.456	O	|	|	|	|	0.31
146.500	0.00	0.15	0.455	O	|	|	|	|	0.31
146.583	0.00	0.15	0.454	O	|	|	|	|	0.31
146.667	0.00	0.15	0.453	O	|	|	|	|	0.31
146.750	0.00	0.15	0.452	O	|	|	|	|	0.31
146.833	0.00	0.15	0.451	O	|	|	|	|	0.31
146.917	0.00	0.15	0.450	O	|	|	|	|	0.31
147.000	0.00	0.15	0.449	O	|	|	|	|	0.31
147.083	0.00	0.15	0.448	O	|	|	|	|	0.31
147.167	0.00	0.14	0.447	O	|	|	|	|	0.31
147.250	0.00	0.14	0.446	O	|	|	|	|	0.31
147.333	0.00	0.14	0.445	O	|	|	|	|	0.31
147.417	0.00	0.14	0.444	O	|	|	|	|	0.31
147.500	0.00	0.14	0.443	O	|	|	|	|	0.31
147.583	0.00	0.14	0.442	O	|	|	|	|	0.30
147.667	0.00	0.14	0.441	O	|	|	|	|	0.30
147.750	0.00	0.14	0.440	O	|	|	|	|	0.30
147.833	0.00	0.14	0.439	O	|	|	|	|	0.30
147.917	0.00	0.14	0.438	O	|	|	|	|	0.30
148.000	0.00	0.14	0.437	O	|	|	|	|	0.30
148.083	0.00	0.14	0.436	O	|	|	|	|	0.30
148.167	0.00	0.14	0.435	O	|	|	|	|	0.30
148.250	0.00	0.14	0.434	O	|	|	|	|	0.30
148.333	0.00	0.14	0.433	O	|	|	|	|	0.30
148.417	0.00	0.14	0.432	O	|	|	|	|	0.30
148.500	0.00	0.14	0.431	O	|	|	|	|	0.30
148.583	0.00	0.14	0.430	O	|	|	|	|	0.30
148.667	0.00	0.14	0.429	O	|	|	|	|	0.30
148.750	0.00	0.14	0.428	O	|	|	|	|	0.30
148.833	0.00	0.14	0.427	O	|	|	|	|	0.29
148.917	0.00	0.14	0.426	O	|	|	|	|	0.29
149.000	0.00	0.14	0.425	O	|	|	|	|	0.29
149.083	0.00	0.14	0.424	O	|	|	|	|	0.29
149.167	0.00	0.14	0.423	O	|	|	|	|	0.29
149.250	0.00	0.14	0.422	O	|	|	|	|	0.29
149.333	0.00	0.14	0.422	O	|	|	|	|	0.29
149.417	0.00	0.14	0.421	O	|	|	|	|	0.29
149.500	0.00	0.14	0.420	O	|	|	|	|	0.29
149.583	0.00	0.14	0.419	O	|	|	|	|	0.29
149.667	0.00	0.14	0.418	O	|	|	|	|	0.29
149.750	0.00	0.14	0.417	O	|	|	|	|	0.29
149.833	0.00	0.13	0.416	O	|	|	|	|	0.29
149.917	0.00	0.13	0.415	O	|	|	|	|	0.29
150.000	0.00	0.13	0.414	O	|	|	|	|	0.29
150.083	0.00	0.13	0.413	O	|	|	|	|	0.28
150.167	0.00	0.13	0.412	O	|	|	|	|	0.28
150.250	0.00	0.13	0.411	O	|	|	|	|	0.28
150.333	0.00	0.13	0.410	O	|	|	|	|	0.28
150.417	0.00	0.13	0.409	O	|	|	|	|	0.28
150.500	0.00	0.13	0.409	O	|	|	|	|	0.28
150.583	0.00	0.13	0.408	O	|	|	|	|	0.28
150.667	0.00	0.13	0.407	O	|	|	|	|	0.28
150.750	0.00	0.13	0.406	O	|	|	|	|	0.28
150.833	0.00	0.13	0.405	O	|	|	|	|	0.28

150.917	0.00	0.13	0.404	O	|	|	|	|	0.28
151.000	0.00	0.13	0.403	O	|	|	|	|	0.28
151.083	0.00	0.13	0.402	O	|	|	|	|	0.28
151.167	0.00	0.13	0.401	O	|	|	|	|	0.28
151.250	0.00	0.13	0.400	O	|	|	|	|	0.28
151.333	0.00	0.13	0.400	O	|	|	|	|	0.28
151.417	0.00	0.13	0.399	O	|	|	|	|	0.27
151.500	0.00	0.13	0.398	O	|	|	|	|	0.27
151.583	0.00	0.13	0.397	O	|	|	|	|	0.27
151.667	0.00	0.13	0.396	O	|	|	|	|	0.27
151.750	0.00	0.13	0.395	O	|	|	|	|	0.27
151.833	0.00	0.13	0.394	O	|	|	|	|	0.27
151.917	0.00	0.13	0.393	O	|	|	|	|	0.27
152.000	0.00	0.13	0.392	O	|	|	|	|	0.27
152.083	0.00	0.13	0.392	O	|	|	|	|	0.27
152.167	0.00	0.13	0.391	O	|	|	|	|	0.27
152.250	0.00	0.13	0.390	O	|	|	|	|	0.27
152.333	0.00	0.13	0.389	O	|	|	|	|	0.27
152.417	0.00	0.13	0.388	O	|	|	|	|	0.27
152.500	0.00	0.13	0.387	O	|	|	|	|	0.27
152.583	0.00	0.13	0.386	O	|	|	|	|	0.27
152.667	0.00	0.12	0.386	O	|	|	|	|	0.27
152.750	0.00	0.12	0.385	O	|	|	|	|	0.27
152.833	0.00	0.12	0.384	O	|	|	|	|	0.26
152.917	0.00	0.12	0.383	O	|	|	|	|	0.26
153.000	0.00	0.12	0.382	O	|	|	|	|	0.26
153.083	0.00	0.12	0.381	O	|	|	|	|	0.26
153.167	0.00	0.12	0.380	O	|	|	|	|	0.26
153.250	0.00	0.12	0.380	O	|	|	|	|	0.26
153.333	0.00	0.12	0.379	O	|	|	|	|	0.26
153.417	0.00	0.12	0.378	O	|	|	|	|	0.26
153.500	0.00	0.12	0.377	O	|	|	|	|	0.26
153.583	0.00	0.12	0.376	O	|	|	|	|	0.26
153.667	0.00	0.12	0.375	O	|	|	|	|	0.26
153.750	0.00	0.12	0.375	O	|	|	|	|	0.26
153.833	0.00	0.12	0.374	O	|	|	|	|	0.26
153.917	0.00	0.12	0.373	O	|	|	|	|	0.26
154.000	0.00	0.12	0.372	O	|	|	|	|	0.26
154.083	0.00	0.12	0.371	O	|	|	|	|	0.26
154.167	0.00	0.12	0.370	O	|	|	|	|	0.26
154.250	0.00	0.12	0.370	O	|	|	|	|	0.25
154.333	0.00	0.12	0.369	O	|	|	|	|	0.25
154.417	0.00	0.12	0.368	O	|	|	|	|	0.25
154.500	0.00	0.12	0.367	O	|	|	|	|	0.25
154.583	0.00	0.12	0.366	O	|	|	|	|	0.25
154.667	0.00	0.12	0.365	O	|	|	|	|	0.25
154.750	0.00	0.12	0.365	O	|	|	|	|	0.25
154.833	0.00	0.12	0.364	O	|	|	|	|	0.25
154.917	0.00	0.12	0.363	O	|	|	|	|	0.25
155.000	0.00	0.12	0.362	O	|	|	|	|	0.25
155.083	0.00	0.12	0.361	O	|	|	|	|	0.25
155.167	0.00	0.12	0.361	O	|	|	|	|	0.25
155.250	0.00	0.12	0.360	O	|	|	|	|	0.25
155.333	0.00	0.12	0.359	O	|	|	|	|	0.25
155.417	0.00	0.12	0.358	O	|	|	|	|	0.25
155.500	0.00	0.12	0.357	O	|	|	|	|	0.25
155.583	0.00	0.12	0.357	O	|	|	|	|	0.25
155.667	0.00	0.12	0.356	O	|	|	|	|	0.25
155.750	0.00	0.12	0.355	O	|	|	|	|	0.24
155.833	0.00	0.11	0.354	O	|	|	|	|	0.24
155.917	0.00	0.11	0.353	O	|	|	|	|	0.24
156.000	0.00	0.11	0.353	O	|	|	|	|	0.24
156.083	0.00	0.11	0.352	O	|	|	|	|	0.24
156.167	0.00	0.11	0.351	O	|	|	|	|	0.24
156.250	0.00	0.11	0.350	O	|	|	|	|	0.24
156.333	0.00	0.11	0.349	O	|	|	|	|	0.24
156.417	0.00	0.11	0.349	O	|	|	|	|	0.24

156.500	0.00	0.11	0.348	O	|	|	|	|	0.24
156.583	0.00	0.11	0.347	O	|	|	|	|	0.24
156.667	0.00	0.11	0.346	O	|	|	|	|	0.24
156.750	0.00	0.11	0.346	O	|	|	|	|	0.24
156.833	0.00	0.11	0.345	O	|	|	|	|	0.24
156.917	0.00	0.11	0.344	O	|	|	|	|	0.24
157.000	0.00	0.11	0.343	O	|	|	|	|	0.24
157.083	0.00	0.11	0.343	O	|	|	|	|	0.24
157.167	0.00	0.11	0.342	O	|	|	|	|	0.24
157.250	0.00	0.11	0.341	O	|	|	|	|	0.24
157.333	0.00	0.11	0.340	O	|	|	|	|	0.23
157.417	0.00	0.11	0.339	O	|	|	|	|	0.23
157.500	0.00	0.11	0.339	O	|	|	|	|	0.23
157.583	0.00	0.11	0.338	O	|	|	|	|	0.23
157.667	0.00	0.11	0.337	O	|	|	|	|	0.23
157.750	0.00	0.11	0.336	O	|	|	|	|	0.23
157.833	0.00	0.11	0.336	O	|	|	|	|	0.23
157.917	0.00	0.11	0.335	O	|	|	|	|	0.23
158.000	0.00	0.11	0.334	O	|	|	|	|	0.23
158.083	0.00	0.11	0.333	O	|	|	|	|	0.23
158.167	0.00	0.11	0.333	O	|	|	|	|	0.23
158.250	0.00	0.11	0.332	O	|	|	|	|	0.23
158.333	0.00	0.11	0.331	O	|	|	|	|	0.23
158.417	0.00	0.11	0.330	O	|	|	|	|	0.23
158.500	0.00	0.11	0.330	O	|	|	|	|	0.23
158.583	0.00	0.11	0.329	O	|	|	|	|	0.23
158.667	0.00	0.11	0.328	O	|	|	|	|	0.23
158.750	0.00	0.11	0.328	O	|	|	|	|	0.23
158.833	0.00	0.11	0.327	O	|	|	|	|	0.23
158.917	0.00	0.11	0.326	O	|	|	|	|	0.22
159.000	0.00	0.11	0.325	O	|	|	|	|	0.22
159.083	0.00	0.11	0.325	O	|	|	|	|	0.22
159.167	0.00	0.10	0.324	O	|	|	|	|	0.22
159.250	0.00	0.10	0.323	O	|	|	|	|	0.22
159.333	0.00	0.10	0.322	O	|	|	|	|	0.22
159.417	0.00	0.10	0.322	O	|	|	|	|	0.22
159.500	0.00	0.10	0.321	O	|	|	|	|	0.22
159.583	0.00	0.10	0.320	O	|	|	|	|	0.22
159.667	0.00	0.10	0.320	O	|	|	|	|	0.22
159.750	0.00	0.10	0.319	O	|	|	|	|	0.22
159.833	0.00	0.10	0.318	O	|	|	|	|	0.22
159.917	0.00	0.10	0.317	O	|	|	|	|	0.22
160.000	0.00	0.10	0.317	O	|	|	|	|	0.22
160.083	0.00	0.10	0.316	O	|	|	|	|	0.22
160.167	0.00	0.10	0.315	O	|	|	|	|	0.22
160.250	0.00	0.10	0.315	O	|	|	|	|	0.22
160.333	0.00	0.10	0.314	O	|	|	|	|	0.22
160.417	0.00	0.10	0.313	O	|	|	|	|	0.22
160.500	0.00	0.10	0.313	O	|	|	|	|	0.22
160.583	0.00	0.10	0.312	O	|	|	|	|	0.22
160.667	0.00	0.10	0.311	O	|	|	|	|	0.21
160.750	0.00	0.10	0.310	O	|	|	|	|	0.21
160.833	0.00	0.10	0.310	O	|	|	|	|	0.21
160.917	0.00	0.10	0.309	O	|	|	|	|	0.21
161.000	0.00	0.10	0.308	O	|	|	|	|	0.21
161.083	0.00	0.10	0.308	O	|	|	|	|	0.21
161.167	0.00	0.10	0.307	O	|	|	|	|	0.21
161.250	0.00	0.10	0.306	O	|	|	|	|	0.21
161.333	0.00	0.10	0.306	O	|	|	|	|	0.21
161.417	0.00	0.10	0.305	O	|	|	|	|	0.21
161.500	0.00	0.10	0.304	O	|	|	|	|	0.21
161.583	0.00	0.10	0.304	O	|	|	|	|	0.21
161.667	0.00	0.10	0.303	O	|	|	|	|	0.21
161.750	0.00	0.10	0.302	O	|	|	|	|	0.21
161.833	0.00	0.10	0.302	O	|	|	|	|	0.21
161.917	0.00	0.10	0.301	O	|	|	|	|	0.21
162.000	0.00	0.10	0.300	O	|	|	|	|	0.21

162.083	0.00	0.10	0.300	O	|	|	|	|	0.21
162.167	0.00	0.10	0.299	O	|	|	|	|	0.21
162.250	0.00	0.10	0.298	O	|	|	|	|	0.21
162.333	0.00	0.10	0.298	O	|	|	|	|	0.21
162.417	0.00	0.10	0.297	O	|	|	|	|	0.20
162.500	0.00	0.10	0.296	O	|	|	|	|	0.20
162.583	0.00	0.10	0.296	O	|	|	|	|	0.20
162.667	0.00	0.10	0.295	O	|	|	|	|	0.20
162.750	0.00	0.10	0.294	O	|	|	|	|	0.20
162.833	0.00	0.10	0.294	O	|	|	|	|	0.20
162.917	0.00	0.09	0.293	O	|	|	|	|	0.20
163.000	0.00	0.09	0.292	O	|	|	|	|	0.20
163.083	0.00	0.09	0.292	O	|	|	|	|	0.20
163.167	0.00	0.09	0.291	O	|	|	|	|	0.20
163.250	0.00	0.09	0.290	O	|	|	|	|	0.20
163.333	0.00	0.09	0.290	O	|	|	|	|	0.20
163.417	0.00	0.09	0.289	O	|	|	|	|	0.20
163.500	0.00	0.09	0.288	O	|	|	|	|	0.20
163.583	0.00	0.09	0.288	O	|	|	|	|	0.20
163.667	0.00	0.09	0.287	O	|	|	|	|	0.20
163.750	0.00	0.09	0.286	O	|	|	|	|	0.20
163.833	0.00	0.09	0.286	O	|	|	|	|	0.20
163.917	0.00	0.09	0.285	O	|	|	|	|	0.20
164.000	0.00	0.09	0.285	O	|	|	|	|	0.20
164.083	0.00	0.09	0.284	O	|	|	|	|	0.20
164.167	0.00	0.09	0.283	O	|	|	|	|	0.20
164.250	0.00	0.09	0.283	O	|	|	|	|	0.19
164.333	0.00	0.09	0.282	O	|	|	|	|	0.19
164.417	0.00	0.09	0.281	O	|	|	|	|	0.19
164.500	0.00	0.09	0.281	O	|	|	|	|	0.19
164.583	0.00	0.09	0.280	O	|	|	|	|	0.19
164.667	0.00	0.09	0.280	O	|	|	|	|	0.19
164.750	0.00	0.09	0.279	O	|	|	|	|	0.19
164.833	0.00	0.09	0.278	O	|	|	|	|	0.19
164.917	0.00	0.09	0.278	O	|	|	|	|	0.19
165.000	0.00	0.09	0.277	O	|	|	|	|	0.19
165.083	0.00	0.09	0.276	O	|	|	|	|	0.19
165.167	0.00	0.09	0.276	O	|	|	|	|	0.19
165.250	0.00	0.09	0.275	O	|	|	|	|	0.19
165.333	0.00	0.09	0.275	O	|	|	|	|	0.19
165.417	0.00	0.09	0.274	O	|	|	|	|	0.19
165.500	0.00	0.09	0.273	O	|	|	|	|	0.19
165.583	0.00	0.09	0.273	O	|	|	|	|	0.19
165.667	0.00	0.09	0.272	O	|	|	|	|	0.19
165.750	0.00	0.09	0.272	O	|	|	|	|	0.19
165.833	0.00	0.09	0.271	O	|	|	|	|	0.19
165.917	0.00	0.09	0.270	O	|	|	|	|	0.19
166.000	0.00	0.09	0.270	O	|	|	|	|	0.19
166.083	0.00	0.09	0.269	O	|	|	|	|	0.19
166.167	0.00	0.09	0.269	O	|	|	|	|	0.19
166.250	0.00	0.09	0.268	O	|	|	|	|	0.18
166.333	0.00	0.09	0.267	O	|	|	|	|	0.18
166.417	0.00	0.09	0.267	O	|	|	|	|	0.18
166.500	0.00	0.09	0.266	O	|	|	|	|	0.18
166.583	0.00	0.09	0.266	O	|	|	|	|	0.18
166.667	0.00	0.09	0.265	O	|	|	|	|	0.18
166.750	0.00	0.09	0.264	O	|	|	|	|	0.18
166.833	0.00	0.09	0.264	O	|	|	|	|	0.18
166.917	0.00	0.09	0.263	O	|	|	|	|	0.18
167.000	0.00	0.09	0.263	O	|	|	|	|	0.18
167.083	0.00	0.08	0.262	O	|	|	|	|	0.18
167.167	0.00	0.08	0.261	O	|	|	|	|	0.18
167.250	0.00	0.08	0.261	O	|	|	|	|	0.18
167.333	0.00	0.08	0.260	O	|	|	|	|	0.18
167.417	0.00	0.08	0.260	O	|	|	|	|	0.18
167.500	0.00	0.08	0.259	O	|	|	|	|	0.18
167.583	0.00	0.08	0.259	O	|	|	|	|	0.18

167.667	0.00	0.08	0.258	O	|	|	|	0.18
167.750	0.00	0.08	0.257	O	|	|	|	0.18
167.833	0.00	0.08	0.257	O	|	|	|	0.18
167.917	0.00	0.08	0.256	O	|	|	|	0.18
168.000	0.00	0.08	0.256	O	|	|	|	0.18
168.083	0.00	0.08	0.255	O	|	|	|	0.18
168.167	0.00	0.08	0.255	O	|	|	|	0.18
168.250	0.00	0.08	0.254	O	|	|	|	0.18
168.333	0.00	0.08	0.253	O	|	|	|	0.17
168.417	0.00	0.08	0.253	O	|	|	|	0.17
168.500	0.00	0.08	0.252	O	|	|	|	0.17
168.583	0.00	0.08	0.252	O	|	|	|	0.17
168.667	0.00	0.08	0.251	O	|	|	|	0.17
168.750	0.00	0.08	0.251	O	|	|	|	0.17
168.833	0.00	0.08	0.250	O	|	|	|	0.17
168.917	0.00	0.08	0.249	O	|	|	|	0.17
169.000	0.00	0.08	0.249	O	|	|	|	0.17
169.083	0.00	0.08	0.248	O	|	|	|	0.17
169.167	0.00	0.08	0.248	O	|	|	|	0.17
169.250	0.00	0.08	0.247	O	|	|	|	0.17
169.333	0.00	0.08	0.247	O	|	|	|	0.17
169.417	0.00	0.08	0.246	O	|	|	|	0.17
169.500	0.00	0.08	0.246	O	|	|	|	0.17
169.583	0.00	0.08	0.245	O	|	|	|	0.17
169.667	0.00	0.08	0.245	O	|	|	|	0.17
169.750	0.00	0.08	0.244	O	|	|	|	0.17
169.833	0.00	0.08	0.243	O	|	|	|	0.17
169.917	0.00	0.08	0.243	O	|	|	|	0.17
170.000	0.00	0.08	0.242	O	|	|	|	0.17
170.083	0.00	0.08	0.242	O	|	|	|	0.17
170.167	0.00	0.08	0.241	O	|	|	|	0.17
170.250	0.00	0.08	0.241	O	|	|	|	0.17
170.333	0.00	0.08	0.240	O	|	|	|	0.17
170.417	0.00	0.08	0.240	O	|	|	|	0.17
170.500	0.00	0.08	0.239	O	|	|	|	0.16
170.583	0.00	0.08	0.239	O	|	|	|	0.16
170.667	0.00	0.08	0.238	O	|	|	|	0.16
170.750	0.00	0.08	0.238	O	|	|	|	0.16
170.833	0.00	0.08	0.237	O	|	|	|	0.16
170.917	0.00	0.08	0.236	O	|	|	|	0.16
171.000	0.00	0.08	0.236	O	|	|	|	0.16
171.083	0.00	0.08	0.235	O	|	|	|	0.16
171.167	0.00	0.08	0.235	O	|	|	|	0.16
171.250	0.00	0.08	0.234	O	|	|	|	0.16
171.333	0.00	0.08	0.234	O	|	|	|	0.16
171.417	0.00	0.08	0.233	O	|	|	|	0.16
171.500	0.00	0.08	0.233	O	|	|	|	0.16
171.583	0.00	0.08	0.232	O	|	|	|	0.16
171.667	0.00	0.08	0.232	O	|	|	|	0.16
171.750	0.00	0.07	0.231	O	|	|	|	0.16
171.833	0.00	0.07	0.231	O	|	|	|	0.16
171.917	0.00	0.07	0.230	O	|	|	|	0.16
172.000	0.00	0.07	0.230	O	|	|	|	0.16
172.083	0.00	0.07	0.229	O	|	|	|	0.16
172.167	0.00	0.07	0.229	O	|	|	|	0.16
172.250	0.00	0.07	0.228	O	|	|	|	0.16
172.333	0.00	0.07	0.228	O	|	|	|	0.16
172.417	0.00	0.07	0.227	O	|	|	|	0.16
172.500	0.00	0.07	0.227	O	|	|	|	0.16
172.583	0.00	0.07	0.226	O	|	|	|	0.16
172.667	0.00	0.07	0.226	O	|	|	|	0.16
172.750	0.00	0.07	0.225	O	|	|	|	0.16
172.833	0.00	0.07	0.225	O	|	|	|	0.15
172.917	0.00	0.07	0.224	O	|	|	|	0.15
173.000	0.00	0.07	0.224	O	|	|	|	0.15
173.083	0.00	0.07	0.223	O	|	|	|	0.15
173.167	0.00	0.07	0.223	O	|	|	|	0.15

173.250	0.00	0.07	0.222	O	|	|	|	|	0.15
173.333	0.00	0.07	0.222	O	|	|	|	|	0.15
173.417	0.00	0.07	0.221	O	|	|	|	|	0.15
173.500	0.00	0.07	0.221	O	|	|	|	|	0.15
173.583	0.00	0.07	0.220	O	|	|	|	|	0.15
173.667	0.00	0.07	0.220	O	|	|	|	|	0.15
173.750	0.00	0.07	0.219	O	|	|	|	|	0.15
173.833	0.00	0.07	0.219	O	|	|	|	|	0.15
173.917	0.00	0.07	0.218	O	|	|	|	|	0.15
174.000	0.00	0.07	0.218	O	|	|	|	|	0.15
174.083	0.00	0.07	0.217	O	|	|	|	|	0.15
174.167	0.00	0.07	0.217	O	|	|	|	|	0.15
174.250	0.00	0.07	0.216	O	|	|	|	|	0.15
174.333	0.00	0.07	0.216	O	|	|	|	|	0.15
174.417	0.00	0.07	0.215	O	|	|	|	|	0.15
174.500	0.00	0.07	0.215	O	|	|	|	|	0.15
174.583	0.00	0.07	0.214	O	|	|	|	|	0.15
174.667	0.00	0.07	0.214	O	|	|	|	|	0.15
174.750	0.00	0.07	0.213	O	|	|	|	|	0.15
174.833	0.00	0.07	0.213	O	|	|	|	|	0.15
174.917	0.00	0.07	0.212	O	|	|	|	|	0.15
175.000	0.00	0.07	0.212	O	|	|	|	|	0.15
175.083	0.00	0.07	0.211	O	|	|	|	|	0.15
175.167	0.00	0.07	0.211	O	|	|	|	|	0.15
175.250	0.00	0.07	0.211	O	|	|	|	|	0.15
175.333	0.00	0.07	0.210	O	|	|	|	|	0.14
175.417	0.00	0.07	0.210	O	|	|	|	|	0.14
175.500	0.00	0.07	0.209	O	|	|	|	|	0.14
175.583	0.00	0.07	0.209	O	|	|	|	|	0.14
175.667	0.00	0.07	0.208	O	|	|	|	|	0.14
175.750	0.00	0.07	0.208	O	|	|	|	|	0.14
175.833	0.00	0.07	0.207	O	|	|	|	|	0.14
175.917	0.00	0.07	0.207	O	|	|	|	|	0.14
176.000	0.00	0.07	0.206	O	|	|	|	|	0.14
176.083	0.00	0.07	0.206	O	|	|	|	|	0.14
176.167	0.00	0.07	0.205	O	|	|	|	|	0.14
176.250	0.00	0.07	0.205	O	|	|	|	|	0.14
176.333	0.00	0.07	0.205	O	|	|	|	|	0.14
176.417	0.00	0.07	0.204	O	|	|	|	|	0.14
176.500	0.00	0.07	0.204	O	|	|	|	|	0.14
176.583	0.00	0.07	0.203	O	|	|	|	|	0.14
176.667	0.00	0.07	0.203	O	|	|	|	|	0.14
176.750	0.00	0.07	0.202	O	|	|	|	|	0.14
176.833	0.00	0.07	0.202	O	|	|	|	|	0.14
176.917	0.00	0.07	0.201	O	|	|	|	|	0.14
177.000	0.00	0.07	0.201	O	|	|	|	|	0.14
177.083	0.00	0.06	0.200	O	|	|	|	|	0.14
177.167	0.00	0.06	0.200	O	|	|	|	|	0.14
177.250	0.00	0.06	0.200	O	|	|	|	|	0.14
177.333	0.00	0.06	0.199	O	|	|	|	|	0.14
177.417	0.00	0.06	0.199	O	|	|	|	|	0.14
177.500	0.00	0.06	0.198	O	|	|	|	|	0.14
177.583	0.00	0.06	0.198	O	|	|	|	|	0.14
177.667	0.00	0.06	0.197	O	|	|	|	|	0.14
177.750	0.00	0.06	0.197	O	|	|	|	|	0.14
177.833	0.00	0.06	0.196	O	|	|	|	|	0.14
177.917	0.00	0.06	0.196	O	|	|	|	|	0.14
178.000	0.00	0.06	0.196	O	|	|	|	|	0.13
178.083	0.00	0.06	0.195	O	|	|	|	|	0.13
178.167	0.00	0.06	0.195	O	|	|	|	|	0.13
178.250	0.00	0.06	0.194	O	|	|	|	|	0.13
178.333	0.00	0.06	0.194	O	|	|	|	|	0.13
178.417	0.00	0.06	0.193	O	|	|	|	|	0.13
178.500	0.00	0.06	0.193	O	|	|	|	|	0.13
178.583	0.00	0.06	0.193	O	|	|	|	|	0.13
178.667	0.00	0.06	0.192	O	|	|	|	|	0.13
178.750	0.00	0.06	0.192	O	|	|	|	|	0.13

178.833	0.00	0.06	0.191	O	|	|	|	0.13
178.917	0.00	0.06	0.191	O	|	|	|	0.13
179.000	0.00	0.06	0.190	O	|	|	|	0.13
179.083	0.00	0.06	0.190	O	|	|	|	0.13
179.167	0.00	0.06	0.190	O	|	|	|	0.13
179.250	0.00	0.06	0.189	O	|	|	|	0.13
179.333	0.00	0.06	0.189	O	|	|	|	0.13
179.417	0.00	0.06	0.188	O	|	|	|	0.13
179.500	0.00	0.06	0.188	O	|	|	|	0.13
179.583	0.00	0.06	0.187	O	|	|	|	0.13
179.667	0.00	0.06	0.187	O	|	|	|	0.13
179.750	0.00	0.06	0.187	O	|	|	|	0.13
179.833	0.00	0.06	0.186	O	|	|	|	0.13
179.917	0.00	0.06	0.186	O	|	|	|	0.13
180.000	0.00	0.06	0.185	O	|	|	|	0.13
180.083	0.00	0.06	0.185	O	|	|	|	0.13
180.167	0.00	0.06	0.185	O	|	|	|	0.13
180.250	0.00	0.06	0.184	O	|	|	|	0.13
180.333	0.00	0.06	0.184	O	|	|	|	0.13
180.417	0.00	0.06	0.183	O	|	|	|	0.13
180.500	0.00	0.06	0.183	O	|	|	|	0.13
180.583	0.00	0.06	0.183	O	|	|	|	0.13
180.667	0.00	0.06	0.182	O	|	|	|	0.13
180.750	0.00	0.06	0.182	O	|	|	|	0.13
180.833	0.00	0.06	0.181	O	|	|	|	0.13
180.917	0.00	0.06	0.181	O	|	|	|	0.12
181.000	0.00	0.06	0.180	O	|	|	|	0.12
181.083	0.00	0.06	0.180	O	|	|	|	0.12
181.167	0.00	0.06	0.180	O	|	|	|	0.12
181.250	0.00	0.06	0.179	O	|	|	|	0.12
181.333	0.00	0.06	0.179	O	|	|	|	0.12
181.417	0.00	0.06	0.178	O	|	|	|	0.12
181.500	0.00	0.06	0.178	O	|	|	|	0.12
181.583	0.00	0.06	0.178	O	|	|	|	0.12
181.667	0.00	0.06	0.177	O	|	|	|	0.12
181.750	0.00	0.06	0.177	O	|	|	|	0.12
181.833	0.00	0.06	0.176	O	|	|	|	0.12
181.917	0.00	0.06	0.176	O	|	|	|	0.12
182.000	0.00	0.06	0.176	O	|	|	|	0.12
182.083	0.00	0.06	0.175	O	|	|	|	0.12
182.167	0.00	0.06	0.175	O	|	|	|	0.12
182.250	0.00	0.06	0.175	O	|	|	|	0.12
182.333	0.00	0.06	0.174	O	|	|	|	0.12
182.417	0.00	0.06	0.174	O	|	|	|	0.12
182.500	0.00	0.06	0.173	O	|	|	|	0.12
182.583	0.00	0.06	0.173	O	|	|	|	0.12
182.667	0.00	0.06	0.173	O	|	|	|	0.12
182.750	0.00	0.06	0.172	O	|	|	|	0.12
182.833	0.00	0.06	0.172	O	|	|	|	0.12
182.917	0.00	0.06	0.171	O	|	|	|	0.12
183.000	0.00	0.06	0.171	O	|	|	|	0.12
183.083	0.00	0.06	0.171	O	|	|	|	0.12
183.167	0.00	0.06	0.170	O	|	|	|	0.12
183.250	0.00	0.06	0.170	O	|	|	|	0.12
183.333	0.00	0.05	0.170	O	|	|	|	0.12
183.417	0.00	0.05	0.169	O	|	|	|	0.12
183.500	0.00	0.05	0.169	O	|	|	|	0.12
183.583	0.00	0.05	0.168	O	|	|	|	0.12
183.667	0.00	0.05	0.168	O	|	|	|	0.12
183.750	0.00	0.05	0.168	O	|	|	|	0.12
183.833	0.00	0.05	0.167	O	|	|	|	0.12
183.917	0.00	0.05	0.167	O	|	|	|	0.12
184.000	0.00	0.05	0.167	O	|	|	|	0.11
184.083	0.00	0.05	0.166	O	|	|	|	0.11
184.167	0.00	0.05	0.166	O	|	|	|	0.11
184.250	0.00	0.05	0.165	O	|	|	|	0.11
184.333	0.00	0.05	0.165	O	|	|	|	0.11

184.417	0.00	0.05	0.165	O	|	|	|	0.11
184.500	0.00	0.05	0.164	O	|	|	|	0.11
184.583	0.00	0.05	0.164	O	|	|	|	0.11
184.667	0.00	0.05	0.164	O	|	|	|	0.11
184.750	0.00	0.05	0.163	O	|	|	|	0.11
184.833	0.00	0.05	0.163	O	|	|	|	0.11
184.917	0.00	0.05	0.163	O	|	|	|	0.11
185.000	0.00	0.05	0.162	O	|	|	|	0.11
185.083	0.00	0.05	0.162	O	|	|	|	0.11
185.167	0.00	0.05	0.161	O	|	|	|	0.11
185.250	0.00	0.05	0.161	O	|	|	|	0.11
185.333	0.00	0.05	0.161	O	|	|	|	0.11
185.417	0.00	0.05	0.160	O	|	|	|	0.11
185.500	0.00	0.05	0.160	O	|	|	|	0.11
185.583	0.00	0.05	0.160	O	|	|	|	0.11
185.667	0.00	0.05	0.159	O	|	|	|	0.11
185.750	0.00	0.05	0.159	O	|	|	|	0.11
185.833	0.00	0.05	0.159	O	|	|	|	0.11
185.917	0.00	0.05	0.158	O	|	|	|	0.11
186.000	0.00	0.05	0.158	O	|	|	|	0.11
186.083	0.00	0.05	0.158	O	|	|	|	0.11
186.167	0.00	0.05	0.157	O	|	|	|	0.11
186.250	0.00	0.05	0.157	O	|	|	|	0.11
186.333	0.00	0.05	0.156	O	|	|	|	0.11
186.417	0.00	0.05	0.156	O	|	|	|	0.11
186.500	0.00	0.05	0.156	O	|	|	|	0.11
186.583	0.00	0.05	0.155	O	|	|	|	0.11
186.667	0.00	0.05	0.155	O	|	|	|	0.11
186.750	0.00	0.05	0.155	O	|	|	|	0.11
186.833	0.00	0.05	0.154	O	|	|	|	0.11
186.917	0.00	0.05	0.154	O	|	|	|	0.11
187.000	0.00	0.05	0.154	O	|	|	|	0.11
187.083	0.00	0.05	0.153	O	|	|	|	0.11
187.167	0.00	0.05	0.153	O	|	|	|	0.11
187.250	0.00	0.05	0.153	O	|	|	|	0.11
187.333	0.00	0.05	0.152	O	|	|	|	0.11
187.417	0.00	0.05	0.152	O	|	|	|	0.10
187.500	0.00	0.05	0.152	O	|	|	|	0.10
187.583	0.00	0.05	0.151	O	|	|	|	0.10
187.667	0.00	0.05	0.151	O	|	|	|	0.10
187.750	0.00	0.05	0.151	O	|	|	|	0.10
187.833	0.00	0.05	0.150	O	|	|	|	0.10
187.917	0.00	0.05	0.150	O	|	|	|	0.10
188.000	0.00	0.05	0.150	O	|	|	|	0.10
188.083	0.00	0.05	0.149	O	|	|	|	0.10
188.167	0.00	0.05	0.149	O	|	|	|	0.10
188.250	0.00	0.05	0.149	O	|	|	|	0.10
188.333	0.00	0.05	0.148	O	|	|	|	0.10
188.417	0.00	0.05	0.148	O	|	|	|	0.10
188.500	0.00	0.05	0.148	O	|	|	|	0.10
188.583	0.00	0.05	0.147	O	|	|	|	0.10
188.667	0.00	0.05	0.147	O	|	|	|	0.10
188.750	0.00	0.05	0.147	O	|	|	|	0.10
188.833	0.00	0.05	0.146	O	|	|	|	0.10
188.917	0.00	0.05	0.146	O	|	|	|	0.10
189.000	0.00	0.05	0.146	O	|	|	|	0.10
189.083	0.00	0.05	0.145	O	|	|	|	0.10
189.167	0.00	0.05	0.145	O	|	|	|	0.10
189.250	0.00	0.05	0.145	O	|	|	|	0.10
189.333	0.00	0.05	0.144	O	|	|	|	0.10
189.417	0.00	0.05	0.144	O	|	|	|	0.10
189.500	0.00	0.05	0.144	O	|	|	|	0.10
189.583	0.00	0.05	0.143	O	|	|	|	0.10
189.667	0.00	0.05	0.143	O	|	|	|	0.10
189.750	0.00	0.05	0.143	O	|	|	|	0.10
189.833	0.00	0.05	0.142	O	|	|	|	0.10
189.917	0.00	0.05	0.142	O	|	|	|	0.10

190.000	0.00	0.05	0.142	O	|	|	|	0.10
190.083	0.00	0.05	0.142	O	|	|	|	0.10
190.167	0.00	0.05	0.141	O	|	|	|	0.10
190.250	0.00	0.05	0.141	O	|	|	|	0.10
190.333	0.00	0.05	0.141	O	|	|	|	0.10
190.417	0.00	0.05	0.140	O	|	|	|	0.10
190.500	0.00	0.05	0.140	O	|	|	|	0.10
190.583	0.00	0.05	0.140	O	|	|	|	0.10
190.667	0.00	0.05	0.139	O	|	|	|	0.10
190.750	0.00	0.05	0.139	O	|	|	|	0.10
190.833	0.00	0.04	0.139	O	|	|	|	0.10
190.917	0.00	0.04	0.138	O	|	|	|	0.10
191.000	0.00	0.04	0.138	O	|	|	|	0.10
191.083	0.00	0.04	0.138	O	|	|	|	0.10
191.167	0.00	0.04	0.137	O	|	|	|	0.09
191.250	0.00	0.04	0.137	O	|	|	|	0.09
191.333	0.00	0.04	0.137	O	|	|	|	0.09
191.417	0.00	0.04	0.137	O	|	|	|	0.09
191.500	0.00	0.04	0.136	O	|	|	|	0.09
191.583	0.00	0.04	0.136	O	|	|	|	0.09
191.667	0.00	0.04	0.136	O	|	|	|	0.09
191.750	0.00	0.04	0.135	O	|	|	|	0.09
191.833	0.00	0.04	0.135	O	|	|	|	0.09
191.917	0.00	0.04	0.135	O	|	|	|	0.09
192.000	0.00	0.04	0.134	O	|	|	|	0.09
192.083	0.00	0.04	0.134	O	|	|	|	0.09
192.167	0.00	0.04	0.134	O	|	|	|	0.09
192.250	0.00	0.04	0.134	O	|	|	|	0.09
192.333	0.00	0.04	0.133	O	|	|	|	0.09
192.417	0.00	0.04	0.133	O	|	|	|	0.09
192.500	0.00	0.04	0.133	O	|	|	|	0.09
192.583	0.00	0.04	0.132	O	|	|	|	0.09
192.667	0.00	0.04	0.132	O	|	|	|	0.09
192.750	0.00	0.04	0.132	O	|	|	|	0.09
192.833	0.00	0.04	0.131	O	|	|	|	0.09
192.917	0.00	0.04	0.131	O	|	|	|	0.09
193.000	0.00	0.04	0.131	O	|	|	|	0.09
193.083	0.00	0.04	0.131	O	|	|	|	0.09
193.167	0.00	0.04	0.130	O	|	|	|	0.09
193.250	0.00	0.04	0.130	O	|	|	|	0.09
193.333	0.00	0.04	0.130	O	|	|	|	0.09
193.417	0.00	0.04	0.129	O	|	|	|	0.09
193.500	0.00	0.04	0.129	O	|	|	|	0.09
193.583	0.00	0.04	0.129	O	|	|	|	0.09
193.667	0.00	0.04	0.129	O	|	|	|	0.09
193.750	0.00	0.04	0.128	O	|	|	|	0.09
193.833	0.00	0.04	0.128	O	|	|	|	0.09
193.917	0.00	0.04	0.128	O	|	|	|	0.09
194.000	0.00	0.04	0.127	O	|	|	|	0.09
194.083	0.00	0.04	0.127	O	|	|	|	0.09
194.167	0.00	0.04	0.127	O	|	|	|	0.09
194.250	0.00	0.04	0.127	O	|	|	|	0.09
194.333	0.00	0.04	0.126	O	|	|	|	0.09
194.417	0.00	0.04	0.126	O	|	|	|	0.09
194.500	0.00	0.04	0.126	O	|	|	|	0.09
194.583	0.00	0.04	0.125	O	|	|	|	0.09
194.667	0.00	0.04	0.125	O	|	|	|	0.09
194.750	0.00	0.04	0.125	O	|	|	|	0.09
194.833	0.00	0.04	0.125	O	|	|	|	0.09
194.917	0.00	0.04	0.124	O	|	|	|	0.09
195.000	0.00	0.04	0.124	O	|	|	|	0.09
195.083	0.00	0.04	0.124	O	|	|	|	0.09
195.167	0.00	0.04	0.123	O	|	|	|	0.09
195.250	0.00	0.04	0.123	O	|	|	|	0.08
195.333	0.00	0.04	0.123	O	|	|	|	0.08
195.417	0.00	0.04	0.123	O	|	|	|	0.08
195.500	0.00	0.04	0.122	O	|	|	|	0.08

195.583	0.00	0.04	0.122	O	|	|	|	0.08
195.667	0.00	0.04	0.122	O	|	|	|	0.08
195.750	0.00	0.04	0.122	O	|	|	|	0.08
195.833	0.00	0.04	0.121	O	|	|	|	0.08
195.917	0.00	0.04	0.121	O	|	|	|	0.08
196.000	0.00	0.04	0.121	O	|	|	|	0.08
196.083	0.00	0.04	0.120	O	|	|	|	0.08
196.167	0.00	0.04	0.120	O	|	|	|	0.08
196.250	0.00	0.04	0.120	O	|	|	|	0.08
196.333	0.00	0.04	0.120	O	|	|	|	0.08
196.417	0.00	0.04	0.119	O	|	|	|	0.08
196.500	0.00	0.04	0.119	O	|	|	|	0.08
196.583	0.00	0.04	0.119	O	|	|	|	0.08
196.667	0.00	0.04	0.119	O	|	|	|	0.08
196.750	0.00	0.04	0.118	O	|	|	|	0.08
196.833	0.00	0.04	0.118	O	|	|	|	0.08
196.917	0.00	0.04	0.118	O	|	|	|	0.08
197.000	0.00	0.04	0.118	O	|	|	|	0.08
197.083	0.00	0.04	0.117	O	|	|	|	0.08
197.167	0.00	0.04	0.117	O	|	|	|	0.08
197.250	0.00	0.04	0.117	O	|	|	|	0.08
197.333	0.00	0.04	0.117	O	|	|	|	0.08
197.417	0.00	0.04	0.116	O	|	|	|	0.08
197.500	0.00	0.04	0.116	O	|	|	|	0.08
197.583	0.00	0.04	0.116	O	|	|	|	0.08
197.667	0.00	0.04	0.115	O	|	|	|	0.08
197.750	0.00	0.04	0.115	O	|	|	|	0.08
197.833	0.00	0.04	0.115	O	|	|	|	0.08
197.917	0.00	0.04	0.115	O	|	|	|	0.08
198.000	0.00	0.04	0.114	O	|	|	|	0.08
198.083	0.00	0.04	0.114	O	|	|	|	0.08
198.167	0.00	0.04	0.114	O	|	|	|	0.08
198.250	0.00	0.04	0.114	O	|	|	|	0.08
198.333	0.00	0.04	0.113	O	|	|	|	0.08
198.417	0.00	0.04	0.113	O	|	|	|	0.08
198.500	0.00	0.04	0.113	O	|	|	|	0.08
198.583	0.00	0.04	0.113	O	|	|	|	0.08
198.667	0.00	0.04	0.112	O	|	|	|	0.08
198.750	0.00	0.04	0.112	O	|	|	|	0.08
198.833	0.00	0.04	0.112	O	|	|	|	0.08
198.917	0.00	0.04	0.112	O	|	|	|	0.08
199.000	0.00	0.04	0.111	O	|	|	|	0.08
199.083	0.00	0.04	0.111	O	|	|	|	0.08
199.167	0.00	0.04	0.111	O	|	|	|	0.08
199.250	0.00	0.04	0.111	O	|	|	|	0.08
199.333	0.00	0.04	0.110	O	|	|	|	0.08
199.417	0.00	0.04	0.110	O	|	|	|	0.08
199.500	0.00	0.04	0.110	O	|	|	|	0.08
199.583	0.00	0.04	0.110	O	|	|	|	0.08
199.667	0.00	0.04	0.109	O	|	|	|	0.08
199.750	0.00	0.04	0.109	O	|	|	|	0.08
199.833	0.00	0.04	0.109	O	|	|	|	0.08
199.917	0.00	0.04	0.109	O	|	|	|	0.07
200.000	0.00	0.04	0.108	O	|	|	|	0.07
200.083	0.00	0.04	0.108	O	|	|	|	0.07
200.167	0.00	0.04	0.108	O	|	|	|	0.07
200.250	0.00	0.03	0.108	O	|	|	|	0.07
200.333	0.00	0.03	0.108	O	|	|	|	0.07
200.417	0.00	0.03	0.107	O	|	|	|	0.07
200.500	0.00	0.03	0.107	O	|	|	|	0.07
200.583	0.00	0.03	0.107	O	|	|	|	0.07
200.667	0.00	0.03	0.107	O	|	|	|	0.07
200.750	0.00	0.03	0.106	O	|	|	|	0.07
200.833	0.00	0.03	0.106	O	|	|	|	0.07
200.917	0.00	0.03	0.106	O	|	|	|	0.07
201.000	0.00	0.03	0.106	O	|	|	|	0.07
201.083	0.00	0.03	0.105	O	|	|	|	0.07

201.167	0.00	0.03	0.105	O	|	|	|	|	0.07
201.250	0.00	0.03	0.105	O	|	|	|	|	0.07
201.333	0.00	0.03	0.105	O	|	|	|	|	0.07
201.417	0.00	0.03	0.104	O	|	|	|	|	0.07
201.500	0.00	0.03	0.104	O	|	|	|	|	0.07
201.583	0.00	0.03	0.104	O	|	|	|	|	0.07
201.667	0.00	0.03	0.104	O	|	|	|	|	0.07
201.750	0.00	0.03	0.104	O	|	|	|	|	0.07
201.833	0.00	0.03	0.103	O	|	|	|	|	0.07
201.917	0.00	0.03	0.103	O	|	|	|	|	0.07
202.000	0.00	0.03	0.103	O	|	|	|	|	0.07
202.083	0.00	0.03	0.103	O	|	|	|	|	0.07
202.167	0.00	0.03	0.102	O	|	|	|	|	0.07
202.250	0.00	0.03	0.102	O	|	|	|	|	0.07
202.333	0.00	0.03	0.102	O	|	|	|	|	0.07
202.417	0.00	0.03	0.102	O	|	|	|	|	0.07
202.500	0.00	0.03	0.101	O	|	|	|	|	0.07
202.583	0.00	0.03	0.101	O	|	|	|	|	0.07
202.667	0.00	0.03	0.101	O	|	|	|	|	0.07
202.750	0.00	0.03	0.101	O	|	|	|	|	0.07
202.833	0.00	0.03	0.101	O	|	|	|	|	0.07
202.917	0.00	0.03	0.100	O	|	|	|	|	0.07
203.000	0.00	0.03	0.100	O	|	|	|	|	0.07
203.083	0.00	0.03	0.100	O	|	|	|	|	0.07
203.167	0.00	0.03	0.100	O	|	|	|	|	0.07
203.250	0.00	0.03	0.099	O	|	|	|	|	0.07
203.333	0.00	0.03	0.099	O	|	|	|	|	0.07
203.417	0.00	0.03	0.099	O	|	|	|	|	0.07
203.500	0.00	0.03	0.099	O	|	|	|	|	0.07
203.583	0.00	0.03	0.099	O	|	|	|	|	0.07
203.667	0.00	0.03	0.098	O	|	|	|	|	0.07
203.750	0.00	0.03	0.098	O	|	|	|	|	0.07
203.833	0.00	0.03	0.098	O	|	|	|	|	0.07
203.917	0.00	0.03	0.098	O	|	|	|	|	0.07
204.000	0.00	0.03	0.097	O	|	|	|	|	0.07
204.083	0.00	0.03	0.097	O	|	|	|	|	0.07
204.167	0.00	0.03	0.097	O	|	|	|	|	0.07
204.250	0.00	0.03	0.097	O	|	|	|	|	0.07
204.333	0.00	0.03	0.097	O	|	|	|	|	0.07
204.417	0.00	0.03	0.096	O	|	|	|	|	0.07
204.500	0.00	0.03	0.096	O	|	|	|	|	0.07
204.583	0.00	0.03	0.096	O	|	|	|	|	0.07
204.667	0.00	0.03	0.096	O	|	|	|	|	0.07
204.750	0.00	0.03	0.096	O	|	|	|	|	0.07
204.833	0.00	0.03	0.095	O	|	|	|	|	0.07
204.917	0.00	0.03	0.095	O	|	|	|	|	0.07
205.000	0.00	0.03	0.095	O	|	|	|	|	0.07
205.083	0.00	0.03	0.095	O	|	|	|	|	0.07
205.167	0.00	0.03	0.094	O	|	|	|	|	0.07
205.250	0.00	0.03	0.094	O	|	|	|	|	0.07
205.333	0.00	0.03	0.094	O	|	|	|	|	0.06
205.417	0.00	0.03	0.094	O	|	|	|	|	0.06
205.500	0.00	0.03	0.094	O	|	|	|	|	0.06
205.583	0.00	0.03	0.093	O	|	|	|	|	0.06
205.667	0.00	0.03	0.093	O	|	|	|	|	0.06
205.750	0.00	0.03	0.093	O	|	|	|	|	0.06
205.833	0.00	0.03	0.093	O	|	|	|	|	0.06
205.917	0.00	0.03	0.093	O	|	|	|	|	0.06
206.000	0.00	0.03	0.092	O	|	|	|	|	0.06
206.083	0.00	0.03	0.092	O	|	|	|	|	0.06
206.167	0.00	0.03	0.092	O	|	|	|	|	0.06
206.250	0.00	0.03	0.092	O	|	|	|	|	0.06
206.333	0.00	0.03	0.092	O	|	|	|	|	0.06
206.417	0.00	0.03	0.091	O	|	|	|	|	0.06
206.500	0.00	0.03	0.091	O	|	|	|	|	0.06
206.583	0.00	0.03	0.091	O	|	|	|	|	0.06
206.667	0.00	0.03	0.091	O	|	|	|	|	0.06

206.750	0.00	0.03	0.091	O	|	|	|	| 0.06
206.833	0.00	0.03	0.090	O	|	|	|	| 0.06
206.917	0.00	0.03	0.090	O	|	|	|	| 0.06
207.000	0.00	0.03	0.090	O	|	|	|	| 0.06
207.083	0.00	0.03	0.090	O	|	|	|	| 0.06
207.167	0.00	0.03	0.090	O	|	|	|	| 0.06
207.250	0.00	0.03	0.089	O	|	|	|	| 0.06
207.333	0.00	0.03	0.089	O	|	|	|	| 0.06
207.417	0.00	0.03	0.089	O	|	|	|	| 0.06
207.500	0.00	0.03	0.089	O	|	|	|	| 0.06
207.583	0.00	0.03	0.089	O	|	|	|	| 0.06
207.667	0.00	0.03	0.088	O	|	|	|	| 0.06
207.750	0.00	0.03	0.088	O	|	|	|	| 0.06
207.833	0.00	0.03	0.088	O	|	|	|	| 0.06
207.917	0.00	0.03	0.088	O	|	|	|	| 0.06
208.000	0.00	0.03	0.088	O	|	|	|	| 0.06
208.083	0.00	0.03	0.087	O	|	|	|	| 0.06
208.167	0.00	0.03	0.087	O	|	|	|	| 0.06
208.250	0.00	0.03	0.087	O	|	|	|	| 0.06
208.333	0.00	0.03	0.087	O	|	|	|	| 0.06
208.417	0.00	0.03	0.087	O	|	|	|	| 0.06
208.500	0.00	0.03	0.086	O	|	|	|	| 0.06
208.583	0.00	0.03	0.086	O	|	|	|	| 0.06
208.667	0.00	0.03	0.086	O	|	|	|	| 0.06
208.750	0.00	0.03	0.086	O	|	|	|	| 0.06
208.833	0.00	0.03	0.086	O	|	|	|	| 0.06
208.917	0.00	0.03	0.085	O	|	|	|	| 0.06
209.000	0.00	0.03	0.085	O	|	|	|	| 0.06
209.083	0.00	0.03	0.085	O	|	|	|	| 0.06
209.167	0.00	0.03	0.085	O	|	|	|	| 0.06
209.250	0.00	0.03	0.085	O	|	|	|	| 0.06
209.333	0.00	0.03	0.084	O	|	|	|	| 0.06
209.417	0.00	0.03	0.084	O	|	|	|	| 0.06
209.500	0.00	0.03	0.084	O	|	|	|	| 0.06
209.583	0.00	0.03	0.084	O	|	|	|	| 0.06
209.667	0.00	0.03	0.084	O	|	|	|	| 0.06
209.750	0.00	0.03	0.084	O	|	|	|	| 0.06
209.833	0.00	0.03	0.083	O	|	|	|	| 0.06
209.917	0.00	0.03	0.083	O	|	|	|	| 0.06
210.000	0.00	0.03	0.083	O	|	|	|	| 0.06
210.083	0.00	0.03	0.083	O	|	|	|	| 0.06
210.167	0.00	0.03	0.083	O	|	|	|	| 0.06
210.250	0.00	0.03	0.082	O	|	|	|	| 0.06
210.333	0.00	0.03	0.082	O	|	|	|	| 0.06
210.417	0.00	0.03	0.082	O	|	|	|	| 0.06
210.500	0.00	0.03	0.082	O	|	|	|	| 0.06
210.583	0.00	0.03	0.082	O	|	|	|	| 0.06
210.667	0.00	0.03	0.082	O	|	|	|	| 0.06
210.750	0.00	0.03	0.081	O	|	|	|	| 0.06
210.833	0.00	0.03	0.081	O	|	|	|	| 0.06
210.917	0.00	0.03	0.081	O	|	|	|	| 0.06
211.000	0.00	0.03	0.081	O	|	|	|	| 0.06
211.083	0.00	0.03	0.081	O	|	|	|	| 0.06
211.167	0.00	0.03	0.080	O	|	|	|	| 0.06
211.250	0.00	0.03	0.080	O	|	|	|	| 0.06
211.333	0.00	0.03	0.080	O	|	|	|	| 0.06
211.417	0.00	0.03	0.080	O	|	|	|	| 0.06
211.500	0.00	0.03	0.080	O	|	|	|	| 0.05
211.583	0.00	0.03	0.080	O	|	|	|	| 0.05
211.667	0.00	0.03	0.079	O	|	|	|	| 0.05
211.750	0.00	0.03	0.079	O	|	|	|	| 0.05
211.833	0.00	0.03	0.079	O	|	|	|	| 0.05
211.917	0.00	0.03	0.079	O	|	|	|	| 0.05
212.000	0.00	0.03	0.079	O	|	|	|	| 0.05
212.083	0.00	0.03	0.078	O	|	|	|	| 0.05
212.167	0.00	0.03	0.078	O	|	|	|	| 0.05
212.250	0.00	0.03	0.078	O	|	|	|	| 0.05

212.333	0.00	0.03	0.078	O	|	|	|	|	0.05
212.417	0.00	0.03	0.078	O	|	|	|	|	0.05
212.500	0.00	0.03	0.078	O	|	|	|	|	0.05
212.583	0.00	0.03	0.077	O	|	|	|	|	0.05
212.667	0.00	0.03	0.077	O	|	|	|	|	0.05
212.750	0.00	0.02	0.077	O	|	|	|	|	0.05
212.833	0.00	0.02	0.077	O	|	|	|	|	0.05
212.917	0.00	0.02	0.077	O	|	|	|	|	0.05
213.000	0.00	0.02	0.077	O	|	|	|	|	0.05
213.083	0.00	0.02	0.076	O	|	|	|	|	0.05
213.167	0.00	0.02	0.076	O	|	|	|	|	0.05
213.250	0.00	0.02	0.076	O	|	|	|	|	0.05
213.333	0.00	0.02	0.076	O	|	|	|	|	0.05
213.417	0.00	0.02	0.076	O	|	|	|	|	0.05
213.500	0.00	0.02	0.076	O	|	|	|	|	0.05
213.583	0.00	0.02	0.075	O	|	|	|	|	0.05
213.667	0.00	0.02	0.075	O	|	|	|	|	0.05
213.750	0.00	0.02	0.075	O	|	|	|	|	0.05
213.833	0.00	0.02	0.075	O	|	|	|	|	0.05
213.917	0.00	0.02	0.075	O	|	|	|	|	0.05
214.000	0.00	0.02	0.075	O	|	|	|	|	0.05
214.083	0.00	0.02	0.074	O	|	|	|	|	0.05
214.167	0.00	0.02	0.074	O	|	|	|	|	0.05
214.250	0.00	0.02	0.074	O	|	|	|	|	0.05
214.333	0.00	0.02	0.074	O	|	|	|	|	0.05
214.417	0.00	0.02	0.074	O	|	|	|	|	0.05
214.500	0.00	0.02	0.074	O	|	|	|	|	0.05
214.583	0.00	0.02	0.073	O	|	|	|	|	0.05
214.667	0.00	0.02	0.073	O	|	|	|	|	0.05
214.750	0.00	0.02	0.073	O	|	|	|	|	0.05
214.833	0.00	0.02	0.073	O	|	|	|	|	0.05
214.917	0.00	0.02	0.073	O	|	|	|	|	0.05
215.000	0.00	0.02	0.073	O	|	|	|	|	0.05
215.083	0.00	0.02	0.072	O	|	|	|	|	0.05
215.167	0.00	0.02	0.072	O	|	|	|	|	0.05
215.250	0.00	0.02	0.072	O	|	|	|	|	0.05
215.333	0.00	0.02	0.072	O	|	|	|	|	0.05
215.417	0.00	0.02	0.072	O	|	|	|	|	0.05
215.500	0.00	0.02	0.072	O	|	|	|	|	0.05
215.583	0.00	0.02	0.071	O	|	|	|	|	0.05
215.667	0.00	0.02	0.071	O	|	|	|	|	0.05
215.750	0.00	0.02	0.071	O	|	|	|	|	0.05
215.833	0.00	0.02	0.071	O	|	|	|	|	0.05
215.917	0.00	0.02	0.071	O	|	|	|	|	0.05
216.000	0.00	0.02	0.071	O	|	|	|	|	0.05
216.083	0.00	0.02	0.071	O	|	|	|	|	0.05
216.167	0.00	0.02	0.070	O	|	|	|	|	0.05
216.250	0.00	0.02	0.070	O	|	|	|	|	0.05
216.333	0.00	0.02	0.070	O	|	|	|	|	0.05
216.417	0.00	0.02	0.070	O	|	|	|	|	0.05
216.500	0.00	0.02	0.070	O	|	|	|	|	0.05
216.583	0.00	0.02	0.070	O	|	|	|	|	0.05
216.667	0.00	0.02	0.069	O	|	|	|	|	0.05
216.750	0.00	0.02	0.069	O	|	|	|	|	0.05
216.833	0.00	0.02	0.069	O	|	|	|	|	0.05
216.917	0.00	0.02	0.069	O	|	|	|	|	0.05
217.000	0.00	0.02	0.069	O	|	|	|	|	0.05
217.083	0.00	0.02	0.069	O	|	|	|	|	0.05
217.167	0.00	0.02	0.068	O	|	|	|	|	0.05
217.250	0.00	0.02	0.068	O	|	|	|	|	0.05
217.333	0.00	0.02	0.068	O	|	|	|	|	0.05
217.417	0.00	0.02	0.068	O	|	|	|	|	0.05
217.500	0.00	0.02	0.068	O	|	|	|	|	0.05
217.583	0.00	0.02	0.068	O	|	|	|	|	0.05
217.667	0.00	0.02	0.068	O	|	|	|	|	0.05
217.750	0.00	0.02	0.067	O	|	|	|	|	0.05
217.833	0.00	0.02	0.067	O	|	|	|	|	0.05

217.917	0.00	0.02	0.067	O	|	|	|	|	0.05
218.000	0.00	0.02	0.067	O	|	|	|	|	0.05
218.083	0.00	0.02	0.067	O	|	|	|	|	0.05
218.167	0.00	0.02	0.067	O	|	|	|	|	0.05
218.250	0.00	0.02	0.067	O	|	|	|	|	0.05
218.333	0.00	0.02	0.066	O	|	|	|	|	0.05
218.417	0.00	0.02	0.066	O	|	|	|	|	0.05
218.500	0.00	0.02	0.066	O	|	|	|	|	0.05
218.583	0.00	0.02	0.066	O	|	|	|	|	0.05
218.667	0.00	0.02	0.066	O	|	|	|	|	0.05
218.750	0.00	0.02	0.066	O	|	|	|	|	0.05
218.833	0.00	0.02	0.066	O	|	|	|	|	0.05
218.917	0.00	0.02	0.065	O	|	|	|	|	0.05
219.000	0.00	0.02	0.065	O	|	|	|	|	0.04
219.083	0.00	0.02	0.065	O	|	|	|	|	0.04
219.167	0.00	0.02	0.065	O	|	|	|	|	0.04
219.250	0.00	0.02	0.065	O	|	|	|	|	0.04
219.333	0.00	0.02	0.065	O	|	|	|	|	0.04
219.417	0.00	0.02	0.064	O	|	|	|	|	0.04
219.500	0.00	0.02	0.064	O	|	|	|	|	0.04
219.583	0.00	0.02	0.064	O	|	|	|	|	0.04
219.667	0.00	0.02	0.064	O	|	|	|	|	0.04
219.750	0.00	0.02	0.064	O	|	|	|	|	0.04
219.833	0.00	0.02	0.064	O	|	|	|	|	0.04
219.917	0.00	0.02	0.064	O	|	|	|	|	0.04
220.000	0.00	0.02	0.063	O	|	|	|	|	0.04
220.083	0.00	0.02	0.063	O	|	|	|	|	0.04
220.167	0.00	0.02	0.063	O	|	|	|	|	0.04
220.250	0.00	0.02	0.063	O	|	|	|	|	0.04
220.333	0.00	0.02	0.063	O	|	|	|	|	0.04
220.417	0.00	0.02	0.063	O	|	|	|	|	0.04
220.500	0.00	0.02	0.063	O	|	|	|	|	0.04
220.583	0.00	0.02	0.063	O	|	|	|	|	0.04
220.667	0.00	0.02	0.062	O	|	|	|	|	0.04
220.750	0.00	0.02	0.062	O	|	|	|	|	0.04
220.833	0.00	0.02	0.062	O	|	|	|	|	0.04
220.917	0.00	0.02	0.062	O	|	|	|	|	0.04
221.000	0.00	0.02	0.062	O	|	|	|	|	0.04
221.083	0.00	0.02	0.062	O	|	|	|	|	0.04
221.167	0.00	0.02	0.062	O	|	|	|	|	0.04
221.250	0.00	0.02	0.061	O	|	|	|	|	0.04
221.333	0.00	0.02	0.061	O	|	|	|	|	0.04
221.417	0.00	0.02	0.061	O	|	|	|	|	0.04
221.500	0.00	0.02	0.061	O	|	|	|	|	0.04
221.583	0.00	0.02	0.061	O	|	|	|	|	0.04
221.667	0.00	0.02	0.061	O	|	|	|	|	0.04
221.750	0.00	0.02	0.061	O	|	|	|	|	0.04
221.833	0.00	0.02	0.060	O	|	|	|	|	0.04
221.917	0.00	0.02	0.060	O	|	|	|	|	0.04
222.000	0.00	0.02	0.060	O	|	|	|	|	0.04
222.083	0.00	0.02	0.060	O	|	|	|	|	0.04
222.167	0.00	0.02	0.060	O	|	|	|	|	0.04
222.250	0.00	0.02	0.060	O	|	|	|	|	0.04
222.333	0.00	0.02	0.060	O	|	|	|	|	0.04
222.417	0.00	0.02	0.060	O	|	|	|	|	0.04
222.500	0.00	0.02	0.059	O	|	|	|	|	0.04
222.583	0.00	0.02	0.059	O	|	|	|	|	0.04
222.667	0.00	0.02	0.059	O	|	|	|	|	0.04
222.750	0.00	0.02	0.059	O	|	|	|	|	0.04
222.833	0.00	0.02	0.059	O	|	|	|	|	0.04
222.917	0.00	0.02	0.059	O	|	|	|	|	0.04
223.000	0.00	0.02	0.059	O	|	|	|	|	0.04
223.083	0.00	0.02	0.058	O	|	|	|	|	0.04
223.167	0.00	0.02	0.058	O	|	|	|	|	0.04
223.250	0.00	0.02	0.058	O	|	|	|	|	0.04
223.333	0.00	0.02	0.058	O	|	|	|	|	0.04
223.417	0.00	0.02	0.058	O	|	|	|	|	0.04

223.500	0.00	0.02	0.058	O	|	|	|	|	0.04
223.583	0.00	0.02	0.058	O	|	|	|	|	0.04
223.667	0.00	0.02	0.058	O	|	|	|	|	0.04
223.750	0.00	0.02	0.057	O	|	|	|	|	0.04
223.833	0.00	0.02	0.057	O	|	|	|	|	0.04
223.917	0.00	0.02	0.057	O	|	|	|	|	0.04
224.000	0.00	0.02	0.057	O	|	|	|	|	0.04
224.083	0.00	0.02	0.057	O	|	|	|	|	0.04
224.167	0.00	0.02	0.057	O	|	|	|	|	0.04
224.250	0.00	0.02	0.057	O	|	|	|	|	0.04
224.333	0.00	0.02	0.057	O	|	|	|	|	0.04
224.417	0.00	0.02	0.056	O	|	|	|	|	0.04
224.500	0.00	0.02	0.056	O	|	|	|	|	0.04
224.583	0.00	0.02	0.056	O	|	|	|	|	0.04
224.667	0.00	0.02	0.056	O	|	|	|	|	0.04
224.750	0.00	0.02	0.056	O	|	|	|	|	0.04
224.833	0.00	0.02	0.056	O	|	|	|	|	0.04
224.917	0.00	0.02	0.056	O	|	|	|	|	0.04
225.000	0.00	0.02	0.056	O	|	|	|	|	0.04
225.083	0.00	0.02	0.055	O	|	|	|	|	0.04
225.167	0.00	0.02	0.055	O	|	|	|	|	0.04
225.250	0.00	0.02	0.055	O	|	|	|	|	0.04
225.333	0.00	0.02	0.055	O	|	|	|	|	0.04
225.417	0.00	0.02	0.055	O	|	|	|	|	0.04
225.500	0.00	0.02	0.055	O	|	|	|	|	0.04
225.583	0.00	0.02	0.055	O	|	|	|	|	0.04
225.667	0.00	0.02	0.055	O	|	|	|	|	0.04
225.750	0.00	0.02	0.054	O	|	|	|	|	0.04
225.833	0.00	0.02	0.054	O	|	|	|	|	0.04
225.917	0.00	0.02	0.054	O	|	|	|	|	0.04
226.000	0.00	0.02	0.054	O	|	|	|	|	0.04
226.083	0.00	0.02	0.054	O	|	|	|	|	0.04
226.167	0.00	0.02	0.054	O	|	|	|	|	0.04
226.250	0.00	0.02	0.054	O	|	|	|	|	0.04
226.333	0.00	0.02	0.054	O	|	|	|	|	0.04
226.417	0.00	0.02	0.053	O	|	|	|	|	0.04
226.500	0.00	0.02	0.053	O	|	|	|	|	0.04
226.583	0.00	0.02	0.053	O	|	|	|	|	0.04
226.667	0.00	0.02	0.053	O	|	|	|	|	0.04
226.750	0.00	0.02	0.053	O	|	|	|	|	0.04
226.833	0.00	0.02	0.053	O	|	|	|	|	0.04
226.917	0.00	0.02	0.053	O	|	|	|	|	0.04
227.000	0.00	0.02	0.053	O	|	|	|	|	0.04
227.083	0.00	0.02	0.053	O	|	|	|	|	0.04
227.167	0.00	0.02	0.052	O	|	|	|	|	0.04
227.250	0.00	0.02	0.052	O	|	|	|	|	0.04
227.333	0.00	0.02	0.052	O	|	|	|	|	0.04
227.417	0.00	0.02	0.052	O	|	|	|	|	0.04
227.500	0.00	0.02	0.052	O	|	|	|	|	0.04
227.583	0.00	0.02	0.052	O	|	|	|	|	0.04
227.667	0.00	0.02	0.052	O	|	|	|	|	0.04
227.750	0.00	0.02	0.052	O	|	|	|	|	0.04
227.833	0.00	0.02	0.051	O	|	|	|	|	0.04
227.917	0.00	0.02	0.051	O	|	|	|	|	0.04
228.000	0.00	0.02	0.051	O	|	|	|	|	0.04
228.083	0.00	0.02	0.051	O	|	|	|	|	0.04
228.167	0.00	0.02	0.051	O	|	|	|	|	0.04
228.250	0.00	0.02	0.051	O	|	|	|	|	0.04
228.333	0.00	0.02	0.051	O	|	|	|	|	0.04
228.417	0.00	0.02	0.051	O	|	|	|	|	0.03
228.500	0.00	0.02	0.051	O	|	|	|	|	0.03
228.583	0.00	0.02	0.050	O	|	|	|	|	0.03
228.667	0.00	0.02	0.050	O	|	|	|	|	0.03
228.750	0.00	0.02	0.050	O	|	|	|	|	0.03
228.833	0.00	0.02	0.050	O	|	|	|	|	0.03
228.917	0.00	0.02	0.050	O	|	|	|	|	0.03
229.000	0.00	0.02	0.050	O	|	|	|	|	0.03

229.083	0.00	0.02	0.050	O	|	|	|	0.03
229.167	0.00	0.02	0.050	O	|	|	|	0.03
229.250	0.00	0.02	0.050	O	|	|	|	0.03
229.333	0.00	0.02	0.049	O	|	|	|	0.03
229.417	0.00	0.02	0.049	O	|	|	|	0.03
229.500	0.00	0.02	0.049	O	|	|	|	0.03
229.583	0.00	0.02	0.049	O	|	|	|	0.03
229.667	0.00	0.02	0.049	O	|	|	|	0.03
229.750	0.00	0.02	0.049	O	|	|	|	0.03
229.833	0.00	0.02	0.049	O	|	|	|	0.03
229.917	0.00	0.02	0.049	O	|	|	|	0.03
230.000	0.00	0.02	0.049	O	|	|	|	0.03
230.083	0.00	0.02	0.048	O	|	|	|	0.03
230.167	0.00	0.02	0.048	O	|	|	|	0.03
230.250	0.00	0.02	0.048	O	|	|	|	0.03
230.333	0.00	0.02	0.048	O	|	|	|	0.03
230.417	0.00	0.02	0.048	O	|	|	|	0.03
230.500	0.00	0.02	0.048	O	|	|	|	0.03
230.583	0.00	0.02	0.048	O	|	|	|	0.03
230.667	0.00	0.02	0.048	O	|	|	|	0.03
230.750	0.00	0.02	0.048	O	|	|	|	0.03
230.833	0.00	0.02	0.047	O	|	|	|	0.03
230.917	0.00	0.02	0.047	O	|	|	|	0.03
231.000	0.00	0.02	0.047	O	|	|	|	0.03
231.083	0.00	0.02	0.047	O	|	|	|	0.03
231.167	0.00	0.02	0.047	O	|	|	|	0.03
231.250	0.00	0.02	0.047	O	|	|	|	0.03
231.333	0.00	0.02	0.047	O	|	|	|	0.03
231.417	0.00	0.02	0.047	O	|	|	|	0.03
231.500	0.00	0.02	0.047	O	|	|	|	0.03
231.583	0.00	0.02	0.047	O	|	|	|	0.03
231.667	0.00	0.02	0.046	O	|	|	|	0.03
231.750	0.00	0.02	0.046	O	|	|	|	0.03
231.833	0.00	0.01	0.046	O	|	|	|	0.03
231.917	0.00	0.01	0.046	O	|	|	|	0.03
232.000	0.00	0.01	0.046	O	|	|	|	0.03
232.083	0.00	0.01	0.046	O	|	|	|	0.03
232.167	0.00	0.01	0.046	O	|	|	|	0.03
232.250	0.00	0.01	0.046	O	|	|	|	0.03
232.333	0.00	0.01	0.046	O	|	|	|	0.03
232.417	0.00	0.01	0.046	O	|	|	|	0.03
232.500	0.00	0.01	0.045	O	|	|	|	0.03
232.583	0.00	0.01	0.045	O	|	|	|	0.03
232.667	0.00	0.01	0.045	O	|	|	|	0.03
232.750	0.00	0.01	0.045	O	|	|	|	0.03
232.833	0.00	0.01	0.045	O	|	|	|	0.03
232.917	0.00	0.01	0.045	O	|	|	|	0.03
233.000	0.00	0.01	0.045	O	|	|	|	0.03
233.083	0.00	0.01	0.045	O	|	|	|	0.03
233.167	0.00	0.01	0.045	O	|	|	|	0.03
233.250	0.00	0.01	0.045	O	|	|	|	0.03
233.333	0.00	0.01	0.044	O	|	|	|	0.03
233.417	0.00	0.01	0.044	O	|	|	|	0.03
233.500	0.00	0.01	0.044	O	|	|	|	0.03
233.583	0.00	0.01	0.044	O	|	|	|	0.03
233.667	0.00	0.01	0.044	O	|	|	|	0.03
233.750	0.00	0.01	0.044	O	|	|	|	0.03
233.833	0.00	0.01	0.044	O	|	|	|	0.03
233.917	0.00	0.01	0.044	O	|	|	|	0.03
234.000	0.00	0.01	0.044	O	|	|	|	0.03
234.083	0.00	0.01	0.044	O	|	|	|	0.03
234.167	0.00	0.01	0.043	O	|	|	|	0.03
234.250	0.00	0.01	0.043	O	|	|	|	0.03
234.333	0.00	0.01	0.043	O	|	|	|	0.03
234.417	0.00	0.01	0.043	O	|	|	|	0.03
234.500	0.00	0.01	0.043	O	|	|	|	0.03
234.583	0.00	0.01	0.043	O	|	|	|	0.03

234.667	0.00	0.01	0.043	O	|	|	|	0.03
234.750	0.00	0.01	0.043	O	|	|	|	0.03
234.833	0.00	0.01	0.043	O	|	|	|	0.03
234.917	0.00	0.01	0.043	O	|	|	|	0.03
235.000	0.00	0.01	0.042	O	|	|	|	0.03
235.083	0.00	0.01	0.042	O	|	|	|	0.03
235.167	0.00	0.01	0.042	O	|	|	|	0.03
235.250	0.00	0.01	0.042	O	|	|	|	0.03
235.333	0.00	0.01	0.042	O	|	|	|	0.03
235.417	0.00	0.01	0.042	O	|	|	|	0.03
235.500	0.00	0.01	0.042	O	|	|	|	0.03
235.583	0.00	0.01	0.042	O	|	|	|	0.03
235.667	0.00	0.01	0.042	O	|	|	|	0.03
235.750	0.00	0.01	0.042	O	|	|	|	0.03
235.833	0.00	0.01	0.042	O	|	|	|	0.03
235.917	0.00	0.01	0.041	O	|	|	|	0.03
236.000	0.00	0.01	0.041	O	|	|	|	0.03
236.083	0.00	0.01	0.041	O	|	|	|	0.03
236.167	0.00	0.01	0.041	O	|	|	|	0.03
236.250	0.00	0.01	0.041	O	|	|	|	0.03
236.333	0.00	0.01	0.041	O	|	|	|	0.03
236.417	0.00	0.01	0.041	O	|	|	|	0.03
236.500	0.00	0.01	0.041	O	|	|	|	0.03
236.583	0.00	0.01	0.041	O	|	|	|	0.03
236.667	0.00	0.01	0.041	O	|	|	|	0.03
236.750	0.00	0.01	0.041	O	|	|	|	0.03
236.833	0.00	0.01	0.040	O	|	|	|	0.03
236.917	0.00	0.01	0.040	O	|	|	|	0.03
237.000	0.00	0.01	0.040	O	|	|	|	0.03
237.083	0.00	0.01	0.040	O	|	|	|	0.03
237.167	0.00	0.01	0.040	O	|	|	|	0.03
237.250	0.00	0.01	0.040	O	|	|	|	0.03
237.333	0.00	0.01	0.040	O	|	|	|	0.03
237.417	0.00	0.01	0.040	O	|	|	|	0.03
237.500	0.00	0.01	0.040	O	|	|	|	0.03
237.583	0.00	0.01	0.040	O	|	|	|	0.03
237.667	0.00	0.01	0.040	O	|	|	|	0.03
237.750	0.00	0.01	0.039	O	|	|	|	0.03
237.833	0.00	0.01	0.039	O	|	|	|	0.03
237.917	0.00	0.01	0.039	O	|	|	|	0.03
238.000	0.00	0.01	0.039	O	|	|	|	0.03
238.083	0.00	0.01	0.039	O	|	|	|	0.03
238.167	0.00	0.01	0.039	O	|	|	|	0.03
238.250	0.00	0.01	0.039	O	|	|	|	0.03
238.333	0.00	0.01	0.039	O	|	|	|	0.03
238.417	0.00	0.01	0.039	O	|	|	|	0.03
238.500	0.00	0.01	0.039	O	|	|	|	0.03
238.583	0.00	0.01	0.039	O	|	|	|	0.03
238.667	0.00	0.01	0.039	O	|	|	|	0.03
238.750	0.00	0.01	0.038	O	|	|	|	0.03
238.833	0.00	0.01	0.038	O	|	|	|	0.03
238.917	0.00	0.01	0.038	O	|	|	|	0.03
239.000	0.00	0.01	0.038	O	|	|	|	0.03
239.083	0.00	0.01	0.038	O	|	|	|	0.03
239.167	0.00	0.01	0.038	O	|	|	|	0.03
239.250	0.00	0.01	0.038	O	|	|	|	0.03
239.333	0.00	0.01	0.038	O	|	|	|	0.03
239.417	0.00	0.01	0.038	O	|	|	|	0.03
239.500	0.00	0.01	0.038	O	|	|	|	0.03
239.583	0.00	0.01	0.038	O	|	|	|	0.03
239.667	0.00	0.01	0.037	O	|	|	|	0.03
239.750	0.00	0.01	0.037	O	|	|	|	0.03
239.833	0.00	0.01	0.037	O	|	|	|	0.03
239.917	0.00	0.01	0.037	O	|	|	|	0.03
240.000	0.00	0.01	0.037	O	|	|	|	0.03
240.083	0.00	0.01	0.037	O	|	|	|	0.03
240.167	0.00	0.01	0.037	O	|	|	|	0.03

240.250	0.00	0.01	0.037	O	|	|	|	|	0.03
240.333	0.00	0.01	0.037	O	|	|	|	|	0.03
240.417	0.00	0.01	0.037	O	|	|	|	|	0.03
240.500	0.00	0.01	0.037	O	|	|	|	|	0.03
240.583	0.00	0.01	0.037	O	|	|	|	|	0.03
240.667	0.00	0.01	0.036	O	|	|	|	|	0.03
240.750	0.00	0.01	0.036	O	|	|	|	|	0.03
240.833	0.00	0.01	0.036	O	|	|	|	|	0.03
240.917	0.00	0.01	0.036	O	|	|	|	|	0.03
241.000	0.00	0.01	0.036	O	|	|	|	|	0.02
241.083	0.00	0.01	0.036	O	|	|	|	|	0.02
241.167	0.00	0.01	0.036	O	|	|	|	|	0.02
241.250	0.00	0.01	0.036	O	|	|	|	|	0.02
241.333	0.00	0.01	0.036	O	|	|	|	|	0.02
241.417	0.00	0.01	0.036	O	|	|	|	|	0.02
241.500	0.00	0.01	0.036	O	|	|	|	|	0.02
241.583	0.00	0.01	0.036	O	|	|	|	|	0.02
241.667	0.00	0.01	0.036	O	|	|	|	|	0.02
241.750	0.00	0.01	0.035	O	|	|	|	|	0.02
241.833	0.00	0.01	0.035	O	|	|	|	|	0.02
241.917	0.00	0.01	0.035	O	|	|	|	|	0.02
242.000	0.00	0.01	0.035	O	|	|	|	|	0.02
242.083	0.00	0.01	0.035	O	|	|	|	|	0.02
242.167	0.00	0.01	0.035	O	|	|	|	|	0.02
242.250	0.00	0.01	0.035	O	|	|	|	|	0.02
242.333	0.00	0.01	0.035	O	|	|	|	|	0.02
242.417	0.00	0.01	0.035	O	|	|	|	|	0.02
242.500	0.00	0.01	0.035	O	|	|	|	|	0.02
242.583	0.00	0.01	0.035	O	|	|	|	|	0.02
242.667	0.00	0.01	0.035	O	|	|	|	|	0.02
242.750	0.00	0.01	0.035	O	|	|	|	|	0.02
242.833	0.00	0.01	0.034	O	|	|	|	|	0.02
242.917	0.00	0.01	0.034	O	|	|	|	|	0.02
243.000	0.00	0.01	0.034	O	|	|	|	|	0.02
243.083	0.00	0.01	0.034	O	|	|	|	|	0.02
243.167	0.00	0.01	0.034	O	|	|	|	|	0.02
243.250	0.00	0.01	0.034	O	|	|	|	|	0.02
243.333	0.00	0.01	0.034	O	|	|	|	|	0.02
243.417	0.00	0.01	0.034	O	|	|	|	|	0.02
243.500	0.00	0.01	0.034	O	|	|	|	|	0.02
243.583	0.00	0.01	0.034	O	|	|	|	|	0.02
243.667	0.00	0.01	0.034	O	|	|	|	|	0.02
243.750	0.00	0.01	0.034	O	|	|	|	|	0.02
243.833	0.00	0.01	0.034	O	|	|	|	|	0.02
243.917	0.00	0.01	0.033	O	|	|	|	|	0.02
244.000	0.00	0.01	0.033	O	|	|	|	|	0.02
244.083	0.00	0.01	0.033	O	|	|	|	|	0.02
244.167	0.00	0.01	0.033	O	|	|	|	|	0.02
244.250	0.00	0.01	0.033	O	|	|	|	|	0.02
244.333	0.00	0.01	0.033	O	|	|	|	|	0.02
244.417	0.00	0.01	0.033	O	|	|	|	|	0.02
244.500	0.00	0.01	0.033	O	|	|	|	|	0.02
244.583	0.00	0.01	0.033	O	|	|	|	|	0.02
244.667	0.00	0.01	0.033	O	|	|	|	|	0.02
244.750	0.00	0.01	0.033	O	|	|	|	|	0.02
244.833	0.00	0.01	0.033	O	|	|	|	|	0.02
244.917	0.00	0.01	0.033	O	|	|	|	|	0.02
245.000	0.00	0.01	0.032	O	|	|	|	|	0.02
245.083	0.00	0.01	0.032	O	|	|	|	|	0.02
245.167	0.00	0.01	0.032	O	|	|	|	|	0.02
245.250	0.00	0.01	0.032	O	|	|	|	|	0.02
245.333	0.00	0.01	0.032	O	|	|	|	|	0.02
245.417	0.00	0.01	0.032	O	|	|	|	|	0.02
245.500	0.00	0.01	0.032	O	|	|	|	|	0.02
245.583	0.00	0.01	0.032	O	|	|	|	|	0.02
245.667	0.00	0.01	0.032	O	|	|	|	|	0.02
245.750	0.00	0.01	0.032	O	|	|	|	|	0.02

245.833	0.00	0.01	0.032	O	|	|	|	|	0.02
245.917	0.00	0.01	0.032	O	|	|	|	|	0.02
246.000	0.00	0.01	0.032	O	|	|	|	|	0.02
246.083	0.00	0.01	0.032	O	|	|	|	|	0.02
246.167	0.00	0.01	0.031	O	|	|	|	|	0.02
246.250	0.00	0.01	0.031	O	|	|	|	|	0.02
246.333	0.00	0.01	0.031	O	|	|	|	|	0.02
246.417	0.00	0.01	0.031	O	|	|	|	|	0.02
246.500	0.00	0.01	0.031	O	|	|	|	|	0.02
246.583	0.00	0.01	0.031	O	|	|	|	|	0.02
246.667	0.00	0.01	0.031	O	|	|	|	|	0.02
246.750	0.00	0.01	0.031	O	|	|	|	|	0.02
246.833	0.00	0.01	0.031	O	|	|	|	|	0.02
246.917	0.00	0.01	0.031	O	|	|	|	|	0.02
247.000	0.00	0.01	0.031	O	|	|	|	|	0.02
247.083	0.00	0.01	0.031	O	|	|	|	|	0.02
247.167	0.00	0.01	0.031	O	|	|	|	|	0.02
247.250	0.00	0.01	0.031	O	|	|	|	|	0.02
247.333	0.00	0.01	0.031	O	|	|	|	|	0.02
247.417	0.00	0.01	0.030	O	|	|	|	|	0.02
247.500	0.00	0.01	0.030	O	|	|	|	|	0.02
247.583	0.00	0.01	0.030	O	|	|	|	|	0.02
247.667	0.00	0.01	0.030	O	|	|	|	|	0.02
247.750	0.00	0.01	0.030	O	|	|	|	|	0.02
247.833	0.00	0.01	0.030	O	|	|	|	|	0.02
247.917	0.00	0.01	0.030	O	|	|	|	|	0.02
248.000	0.00	0.01	0.030	O	|	|	|	|	0.02
248.083	0.00	0.01	0.030	O	|	|	|	|	0.02
248.167	0.00	0.01	0.030	O	|	|	|	|	0.02
248.250	0.00	0.01	0.030	O	|	|	|	|	0.02
248.333	0.00	0.01	0.030	O	|	|	|	|	0.02
248.417	0.00	0.01	0.030	O	|	|	|	|	0.02
248.500	0.00	0.01	0.030	O	|	|	|	|	0.02
248.583	0.00	0.01	0.030	O	|	|	|	|	0.02
248.667	0.00	0.01	0.029	O	|	|	|	|	0.02
248.750	0.00	0.01	0.029	O	|	|	|	|	0.02
248.833	0.00	0.01	0.029	O	|	|	|	|	0.02
248.917	0.00	0.01	0.029	O	|	|	|	|	0.02
249.000	0.00	0.01	0.029	O	|	|	|	|	0.02
249.083	0.00	0.01	0.029	O	|	|	|	|	0.02
249.167	0.00	0.01	0.029	O	|	|	|	|	0.02
249.250	0.00	0.01	0.029	O	|	|	|	|	0.02
249.333	0.00	0.01	0.029	O	|	|	|	|	0.02
249.417	0.00	0.01	0.029	O	|	|	|	|	0.02
249.500	0.00	0.01	0.029	O	|	|	|	|	0.02
249.583	0.00	0.01	0.029	O	|	|	|	|	0.02
249.667	0.00	0.01	0.029	O	|	|	|	|	0.02
249.750	0.00	0.01	0.029	O	|	|	|	|	0.02
249.833	0.00	0.01	0.029	O	|	|	|	|	0.02
249.917	0.00	0.01	0.028	O	|	|	|	|	0.02
250.000	0.00	0.01	0.028	O	|	|	|	|	0.02
250.083	0.00	0.01	0.028	O	|	|	|	|	0.02
250.167	0.00	0.01	0.028	O	|	|	|	|	0.02
250.250	0.00	0.01	0.028	O	|	|	|	|	0.02
250.333	0.00	0.01	0.028	O	|	|	|	|	0.02
250.417	0.00	0.01	0.028	O	|	|	|	|	0.02
250.500	0.00	0.01	0.028	O	|	|	|	|	0.02
250.583	0.00	0.01	0.028	O	|	|	|	|	0.02
250.667	0.00	0.01	0.028	O	|	|	|	|	0.02
250.750	0.00	0.01	0.028	O	|	|	|	|	0.02
250.833	0.00	0.01	0.028	O	|	|	|	|	0.02
250.917	0.00	0.01	0.028	O	|	|	|	|	0.02
251.000	0.00	0.01	0.028	O	|	|	|	|	0.02
251.083	0.00	0.01	0.028	O	|	|	|	|	0.02
251.167	0.00	0.01	0.028	O	|	|	|	|	0.02
251.250	0.00	0.01	0.027	O	|	|	|	|	0.02
251.333	0.00	0.01	0.027	O	|	|	|	|	0.02

251.417	0.00	0.01	0.027	O	|	|	|	|	0.02
251.500	0.00	0.01	0.027	O	|	|	|	|	0.02
251.583	0.00	0.01	0.027	O	|	|	|	|	0.02
251.667	0.00	0.01	0.027	O	|	|	|	|	0.02
251.750	0.00	0.01	0.027	O	|	|	|	|	0.02
251.833	0.00	0.01	0.027	O	|	|	|	|	0.02
251.917	0.00	0.01	0.027	O	|	|	|	|	0.02
252.000	0.00	0.01	0.027	O	|	|	|	|	0.02
252.083	0.00	0.01	0.027	O	|	|	|	|	0.02
252.167	0.00	0.01	0.027	O	|	|	|	|	0.02
252.250	0.00	0.01	0.027	O	|	|	|	|	0.02
252.333	0.00	0.01	0.027	O	|	|	|	|	0.02
252.417	0.00	0.01	0.027	O	|	|	|	|	0.02
252.500	0.00	0.01	0.027	O	|	|	|	|	0.02
252.583	0.00	0.01	0.027	O	|	|	|	|	0.02
252.667	0.00	0.01	0.026	O	|	|	|	|	0.02
252.750	0.00	0.01	0.026	O	|	|	|	|	0.02
252.833	0.00	0.01	0.026	O	|	|	|	|	0.02
252.917	0.00	0.01	0.026	O	|	|	|	|	0.02
253.000	0.00	0.01	0.026	O	|	|	|	|	0.02
253.083	0.00	0.01	0.026	O	|	|	|	|	0.02
253.167	0.00	0.01	0.026	O	|	|	|	|	0.02
253.250	0.00	0.01	0.026	O	|	|	|	|	0.02
253.333	0.00	0.01	0.026	O	|	|	|	|	0.02
253.417	0.00	0.01	0.026	O	|	|	|	|	0.02
253.500	0.00	0.01	0.026	O	|	|	|	|	0.02
253.583	0.00	0.01	0.026	O	|	|	|	|	0.02
253.667	0.00	0.01	0.026	O	|	|	|	|	0.02
253.750	0.00	0.01	0.026	O	|	|	|	|	0.02
253.833	0.00	0.01	0.026	O	|	|	|	|	0.02
253.917	0.00	0.01	0.026	O	|	|	|	|	0.02
254.000	0.00	0.01	0.026	O	|	|	|	|	0.02
254.083	0.00	0.01	0.025	O	|	|	|	|	0.02
254.167	0.00	0.01	0.025	O	|	|	|	|	0.02
254.250	0.00	0.01	0.025	O	|	|	|	|	0.02
254.333	0.00	0.01	0.025	O	|	|	|	|	0.02
254.417	0.00	0.01	0.025	O	|	|	|	|	0.02
254.500	0.00	0.01	0.025	O	|	|	|	|	0.02
254.583	0.00	0.01	0.025	O	|	|	|	|	0.02
254.667	0.00	0.01	0.025	O	|	|	|	|	0.02
254.750	0.00	0.01	0.025	O	|	|	|	|	0.02
254.833	0.00	0.01	0.025	O	|	|	|	|	0.02
254.917	0.00	0.01	0.025	O	|	|	|	|	0.02
255.000	0.00	0.01	0.025	O	|	|	|	|	0.02
255.083	0.00	0.01	0.025	O	|	|	|	|	0.02
255.167	0.00	0.01	0.025	O	|	|	|	|	0.02
255.250	0.00	0.01	0.025	O	|	|	|	|	0.02
255.333	0.00	0.01	0.025	O	|	|	|	|	0.02
255.417	0.00	0.01	0.025	O	|	|	|	|	0.02
255.500	0.00	0.01	0.025	O	|	|	|	|	0.02
255.583	0.00	0.01	0.024	O	|	|	|	|	0.02
255.667	0.00	0.01	0.024	O	|	|	|	|	0.02
255.750	0.00	0.01	0.024	O	|	|	|	|	0.02
255.833	0.00	0.01	0.024	O	|	|	|	|	0.02
255.917	0.00	0.01	0.024	O	|	|	|	|	0.02
256.000	0.00	0.01	0.024	O	|	|	|	|	0.02
256.083	0.00	0.01	0.024	O	|	|	|	|	0.02
256.167	0.00	0.01	0.024	O	|	|	|	|	0.02
256.250	0.00	0.01	0.024	O	|	|	|	|	0.02
256.333	0.00	0.01	0.024	O	|	|	|	|	0.02
256.417	0.00	0.01	0.024	O	|	|	|	|	0.02
256.500	0.00	0.01	0.024	O	|	|	|	|	0.02
256.583	0.00	0.01	0.024	O	|	|	|	|	0.02
256.667	0.00	0.01	0.024	O	|	|	|	|	0.02
256.750	0.00	0.01	0.024	O	|	|	|	|	0.02
256.833	0.00	0.01	0.024	O	|	|	|	|	0.02
256.917	0.00	0.01	0.024	O	|	|	|	|	0.02

257.000	0.00	0.01	0.024	O	|	|	|	|	0.02
257.083	0.00	0.01	0.024	O	|	|	|	|	0.02
257.167	0.00	0.01	0.023	O	|	|	|	|	0.02
257.250	0.00	0.01	0.023	O	|	|	|	|	0.02
257.333	0.00	0.01	0.023	O	|	|	|	|	0.02
257.417	0.00	0.01	0.023	O	|	|	|	|	0.02
257.500	0.00	0.01	0.023	O	|	|	|	|	0.02
257.583	0.00	0.01	0.023	O	|	|	|	|	0.02
257.667	0.00	0.01	0.023	O	|	|	|	|	0.02
257.750	0.00	0.01	0.023	O	|	|	|	|	0.02
257.833	0.00	0.01	0.023	O	|	|	|	|	0.02
257.917	0.00	0.01	0.023	O	|	|	|	|	0.02
258.000	0.00	0.01	0.023	O	|	|	|	|	0.02
258.083	0.00	0.01	0.023	O	|	|	|	|	0.02
258.167	0.00	0.01	0.023	O	|	|	|	|	0.02
258.250	0.00	0.01	0.023	O	|	|	|	|	0.02
258.333	0.00	0.01	0.023	O	|	|	|	|	0.02
258.417	0.00	0.01	0.023	O	|	|	|	|	0.02
258.500	0.00	0.01	0.023	O	|	|	|	|	0.02
258.583	0.00	0.01	0.023	O	|	|	|	|	0.02
258.667	0.00	0.01	0.023	O	|	|	|	|	0.02
258.750	0.00	0.01	0.022	O	|	|	|	|	0.02
258.833	0.00	0.01	0.022	O	|	|	|	|	0.02
258.917	0.00	0.01	0.022	O	|	|	|	|	0.02
259.000	0.00	0.01	0.022	O	|	|	|	|	0.02
259.083	0.00	0.01	0.022	O	|	|	|	|	0.02
259.167	0.00	0.01	0.022	O	|	|	|	|	0.02
259.250	0.00	0.01	0.022	O	|	|	|	|	0.02
259.333	0.00	0.01	0.022	O	|	|	|	|	0.02
259.417	0.00	0.01	0.022	O	|	|	|	|	0.02
259.500	0.00	0.01	0.022	O	|	|	|	|	0.02
259.583	0.00	0.01	0.022	O	|	|	|	|	0.02
259.667	0.00	0.01	0.022	O	|	|	|	|	0.02
259.750	0.00	0.01	0.022	O	|	|	|	|	0.02
259.833	0.00	0.01	0.022	O	|	|	|	|	0.02
259.917	0.00	0.01	0.022	O	|	|	|	|	0.02
260.000	0.00	0.01	0.022	O	|	|	|	|	0.01
260.083	0.00	0.01	0.022	O	|	|	|	|	0.01
260.167	0.00	0.01	0.022	O	|	|	|	|	0.01
260.250	0.00	0.01	0.022	O	|	|	|	|	0.01
260.333	0.00	0.01	0.022	O	|	|	|	|	0.01
260.417	0.00	0.01	0.022	O	|	|	|	|	0.01
260.500	0.00	0.01	0.021	O	|	|	|	|	0.01
260.583	0.00	0.01	0.021	O	|	|	|	|	0.01
260.667	0.00	0.01	0.021	O	|	|	|	|	0.01
260.750	0.00	0.01	0.021	O	|	|	|	|	0.01
260.833	0.00	0.01	0.021	O	|	|	|	|	0.01
260.917	0.00	0.01	0.021	O	|	|	|	|	0.01
261.000	0.00	0.01	0.021	O	|	|	|	|	0.01
261.083	0.00	0.01	0.021	O	|	|	|	|	0.01
261.167	0.00	0.01	0.021	O	|	|	|	|	0.01
261.250	0.00	0.01	0.021	O	|	|	|	|	0.01
261.333	0.00	0.01	0.021	O	|	|	|	|	0.01
261.417	0.00	0.01	0.021	O	|	|	|	|	0.01
261.500	0.00	0.01	0.021	O	|	|	|	|	0.01
261.583	0.00	0.01	0.021	O	|	|	|	|	0.01
261.667	0.00	0.01	0.021	O	|	|	|	|	0.01
261.750	0.00	0.01	0.021	O	|	|	|	|	0.01
261.833	0.00	0.01	0.021	O	|	|	|	|	0.01
261.917	0.00	0.01	0.021	O	|	|	|	|	0.01
262.000	0.00	0.01	0.021	O	|	|	|	|	0.01
262.083	0.00	0.01	0.021	O	|	|	|	|	0.01
262.167	0.00	0.01	0.021	O	|	|	|	|	0.01
262.250	0.00	0.01	0.020	O	|	|	|	|	0.01
262.333	0.00	0.01	0.020	O	|	|	|	|	0.01
262.417	0.00	0.01	0.020	O	|	|	|	|	0.01
262.500	0.00	0.01	0.020	O	|	|	|	|	0.01

262.583	0.00	0.01	0.020	O	|	|	|	|	0.01
262.667	0.00	0.01	0.020	O	|	|	|	|	0.01
262.750	0.00	0.01	0.020	O	|	|	|	|	0.01
262.833	0.00	0.01	0.020	O	|	|	|	|	0.01
262.917	0.00	0.01	0.020	O	|	|	|	|	0.01
263.000	0.00	0.01	0.020	O	|	|	|	|	0.01
263.083	0.00	0.01	0.020	O	|	|	|	|	0.01
263.167	0.00	0.01	0.020	O	|	|	|	|	0.01
263.250	0.00	0.01	0.020	O	|	|	|	|	0.01
263.333	0.00	0.01	0.020	O	|	|	|	|	0.01
263.417	0.00	0.01	0.020	O	|	|	|	|	0.01
263.500	0.00	0.01	0.020	O	|	|	|	|	0.01
263.583	0.00	0.01	0.020	O	|	|	|	|	0.01
263.667	0.00	0.01	0.020	O	|	|	|	|	0.01
263.750	0.00	0.01	0.020	O	|	|	|	|	0.01
263.833	0.00	0.01	0.020	O	|	|	|	|	0.01
263.917	0.00	0.01	0.020	O	|	|	|	|	0.01
264.000	0.00	0.01	0.020	O	|	|	|	|	0.01
264.083	0.00	0.01	0.019	O	|	|	|	|	0.01
264.167	0.00	0.01	0.019	O	|	|	|	|	0.01
264.250	0.00	0.01	0.019	O	|	|	|	|	0.01
264.333	0.00	0.01	0.019	O	|	|	|	|	0.01
264.417	0.00	0.01	0.019	O	|	|	|	|	0.01
264.500	0.00	0.01	0.019	O	|	|	|	|	0.01
264.583	0.00	0.01	0.019	O	|	|	|	|	0.01
264.667	0.00	0.01	0.019	O	|	|	|	|	0.01
264.750	0.00	0.01	0.019	O	|	|	|	|	0.01
264.833	0.00	0.01	0.019	O	|	|	|	|	0.01
264.917	0.00	0.01	0.019	O	|	|	|	|	0.01
265.000	0.00	0.01	0.019	O	|	|	|	|	0.01
265.083	0.00	0.01	0.019	O	|	|	|	|	0.01
265.167	0.00	0.01	0.019	O	|	|	|	|	0.01
265.250	0.00	0.01	0.019	O	|	|	|	|	0.01
265.333	0.00	0.01	0.019	O	|	|	|	|	0.01
265.417	0.00	0.01	0.019	O	|	|	|	|	0.01
265.500	0.00	0.01	0.019	O	|	|	|	|	0.01
265.583	0.00	0.01	0.019	O	|	|	|	|	0.01
265.667	0.00	0.01	0.019	O	|	|	|	|	0.01
265.750	0.00	0.01	0.019	O	|	|	|	|	0.01
265.833	0.00	0.01	0.019	O	|	|	|	|	0.01
265.917	0.00	0.01	0.019	O	|	|	|	|	0.01
266.000	0.00	0.01	0.019	O	|	|	|	|	0.01
266.083	0.00	0.01	0.018	O	|	|	|	|	0.01
266.167	0.00	0.01	0.018	O	|	|	|	|	0.01
266.250	0.00	0.01	0.018	O	|	|	|	|	0.01
266.333	0.00	0.01	0.018	O	|	|	|	|	0.01
266.417	0.00	0.01	0.018	O	|	|	|	|	0.01
266.500	0.00	0.01	0.018	O	|	|	|	|	0.01
266.583	0.00	0.01	0.018	O	|	|	|	|	0.01
266.667	0.00	0.01	0.018	O	|	|	|	|	0.01
266.750	0.00	0.01	0.018	O	|	|	|	|	0.01
266.833	0.00	0.01	0.018	O	|	|	|	|	0.01
266.917	0.00	0.01	0.018	O	|	|	|	|	0.01
267.000	0.00	0.01	0.018	O	|	|	|	|	0.01
267.083	0.00	0.01	0.018	O	|	|	|	|	0.01
267.167	0.00	0.01	0.018	O	|	|	|	|	0.01
267.250	0.00	0.01	0.018	O	|	|	|	|	0.01
267.333	0.00	0.01	0.018	O	|	|	|	|	0.01
267.417	0.00	0.01	0.018	O	|	|	|	|	0.01
267.500	0.00	0.01	0.018	O	|	|	|	|	0.01
267.583	0.00	0.01	0.018	O	|	|	|	|	0.01
267.667	0.00	0.01	0.018	O	|	|	|	|	0.01
267.750	0.00	0.01	0.018	O	|	|	|	|	0.01
267.833	0.00	0.01	0.018	O	|	|	|	|	0.01
267.917	0.00	0.01	0.018	O	|	|	|	|	0.01
268.000	0.00	0.01	0.018	O	|	|	|	|	0.01
268.083	0.00	0.01	0.018	O	|	|	|	|	0.01

268.167	0.00	0.01	0.017	O	|	|	|	|	0.01
268.250	0.00	0.01	0.017	O	|	|	|	|	0.01
268.333	0.00	0.01	0.017	O	|	|	|	|	0.01
268.417	0.00	0.01	0.017	O	|	|	|	|	0.01
268.500	0.00	0.01	0.017	O	|	|	|	|	0.01
268.583	0.00	0.01	0.017	O	|	|	|	|	0.01
268.667	0.00	0.01	0.017	O	|	|	|	|	0.01
268.750	0.00	0.01	0.017	O	|	|	|	|	0.01
268.833	0.00	0.01	0.017	O	|	|	|	|	0.01
268.917	0.00	0.01	0.017	O	|	|	|	|	0.01
269.000	0.00	0.01	0.017	O	|	|	|	|	0.01
269.083	0.00	0.01	0.017	O	|	|	|	|	0.01
269.167	0.00	0.01	0.017	O	|	|	|	|	0.01
269.250	0.00	0.01	0.017	O	|	|	|	|	0.01
269.333	0.00	0.01	0.017	O	|	|	|	|	0.01
269.417	0.00	0.01	0.017	O	|	|	|	|	0.01
269.500	0.00	0.01	0.017	O	|	|	|	|	0.01
269.583	0.00	0.01	0.017	O	|	|	|	|	0.01
269.667	0.00	0.01	0.017	O	|	|	|	|	0.01
269.750	0.00	0.01	0.017	O	|	|	|	|	0.01
269.833	0.00	0.01	0.017	O	|	|	|	|	0.01
269.917	0.00	0.01	0.017	O	|	|	|	|	0.01
270.000	0.00	0.01	0.017	O	|	|	|	|	0.01
270.083	0.00	0.01	0.017	O	|	|	|	|	0.01
270.167	0.00	0.01	0.017	O	|	|	|	|	0.01
270.250	0.00	0.01	0.017	O	|	|	|	|	0.01
270.333	0.00	0.01	0.016	O	|	|	|	|	0.01
270.417	0.00	0.01	0.016	O	|	|	|	|	0.01
270.500	0.00	0.01	0.016	O	|	|	|	|	0.01
270.583	0.00	0.01	0.016	O	|	|	|	|	0.01
270.667	0.00	0.01	0.016	O	|	|	|	|	0.01
270.750	0.00	0.01	0.016	O	|	|	|	|	0.01
270.833	0.00	0.01	0.016	O	|	|	|	|	0.01
270.917	0.00	0.01	0.016	O	|	|	|	|	0.01
271.000	0.00	0.01	0.016	O	|	|	|	|	0.01
271.083	0.00	0.01	0.016	O	|	|	|	|	0.01
271.167	0.00	0.01	0.016	O	|	|	|	|	0.01
271.250	0.00	0.01	0.016	O	|	|	|	|	0.01
271.333	0.00	0.01	0.016	O	|	|	|	|	0.01
271.417	0.00	0.01	0.016	O	|	|	|	|	0.01
271.500	0.00	0.01	0.016	O	|	|	|	|	0.01
271.583	0.00	0.01	0.016	O	|	|	|	|	0.01
271.667	0.00	0.01	0.016	O	|	|	|	|	0.01
271.750	0.00	0.01	0.016	O	|	|	|	|	0.01
271.833	0.00	0.01	0.016	O	|	|	|	|	0.01
271.917	0.00	0.01	0.016	O	|	|	|	|	0.01
272.000	0.00	0.01	0.016	O	|	|	|	|	0.01
272.083	0.00	0.01	0.016	O	|	|	|	|	0.01
272.167	0.00	0.01	0.016	O	|	|	|	|	0.01
272.250	0.00	0.01	0.016	O	|	|	|	|	0.01
272.333	0.00	0.01	0.016	O	|	|	|	|	0.01
272.417	0.00	0.01	0.016	O	|	|	|	|	0.01
272.500	0.00	0.01	0.016	O	|	|	|	|	0.01
272.583	0.00	0.01	0.016	O	|	|	|	|	0.01
272.667	0.00	0.01	0.015	O	|	|	|	|	0.01
272.750	0.00	0.01	0.015	O	|	|	|	|	0.01
272.833	0.00	0.00	0.015	O	|	|	|	|	0.01
272.917	0.00	0.00	0.015	O	|	|	|	|	0.01
273.000	0.00	0.00	0.015	O	|	|	|	|	0.01
273.083	0.00	0.00	0.015	O	|	|	|	|	0.01
273.167	0.00	0.00	0.015	O	|	|	|	|	0.01
273.250	0.00	0.00	0.015	O	|	|	|	|	0.01
273.333	0.00	0.00	0.015	O	|	|	|	|	0.01
273.417	0.00	0.00	0.015	O	|	|	|	|	0.01
273.500	0.00	0.00	0.015	O	|	|	|	|	0.01
273.583	0.00	0.00	0.015	O	|	|	|	|	0.01
273.667	0.00	0.00	0.015	O	|	|	|	|	0.01

273.750	0.00	0.00	0.015	O	|	|	|	0.01
273.833	0.00	0.00	0.015	O	|	|	|	0.01
273.917	0.00	0.00	0.015	O	|	|	|	0.01
274.000	0.00	0.00	0.015	O	|	|	|	0.01
274.083	0.00	0.00	0.015	O	|	|	|	0.01
274.167	0.00	0.00	0.015	O	|	|	|	0.01
274.250	0.00	0.00	0.015	O	|	|	|	0.01
274.333	0.00	0.00	0.015	O	|	|	|	0.01
274.417	0.00	0.00	0.015	O	|	|	|	0.01
274.500	0.00	0.00	0.015	O	|	|	|	0.01
274.583	0.00	0.00	0.015	O	|	|	|	0.01
274.667	0.00	0.00	0.015	O	|	|	|	0.01
274.750	0.00	0.00	0.015	O	|	|	|	0.01
274.833	0.00	0.00	0.015	O	|	|	|	0.01
274.917	0.00	0.00	0.015	O	|	|	|	0.01
275.000	0.00	0.00	0.015	O	|	|	|	0.01
275.083	0.00	0.00	0.015	O	|	|	|	0.01
275.167	0.00	0.00	0.014	O	|	|	|	0.01
275.250	0.00	0.00	0.014	O	|	|	|	0.01
275.333	0.00	0.00	0.014	O	|	|	|	0.01
275.417	0.00	0.00	0.014	O	|	|	|	0.01
275.500	0.00	0.00	0.014	O	|	|	|	0.01
275.583	0.00	0.00	0.014	O	|	|	|	0.01
275.667	0.00	0.00	0.014	O	|	|	|	0.01
275.750	0.00	0.00	0.014	O	|	|	|	0.01
275.833	0.00	0.00	0.014	O	|	|	|	0.01
275.917	0.00	0.00	0.014	O	|	|	|	0.01
276.000	0.00	0.00	0.014	O	|	|	|	0.01
276.083	0.00	0.00	0.014	O	|	|	|	0.01
276.167	0.00	0.00	0.014	O	|	|	|	0.01
276.250	0.00	0.00	0.014	O	|	|	|	0.01
276.333	0.00	0.00	0.014	O	|	|	|	0.01
276.417	0.00	0.00	0.014	O	|	|	|	0.01
276.500	0.00	0.00	0.014	O	|	|	|	0.01
276.583	0.00	0.00	0.014	O	|	|	|	0.01
276.667	0.00	0.00	0.014	O	|	|	|	0.01
276.750	0.00	0.00	0.014	O	|	|	|	0.01
276.833	0.00	0.00	0.014	O	|	|	|	0.01
276.917	0.00	0.00	0.014	O	|	|	|	0.01
277.000	0.00	0.00	0.014	O	|	|	|	0.01
277.083	0.00	0.00	0.014	O	|	|	|	0.01
277.167	0.00	0.00	0.014	O	|	|	|	0.01
277.250	0.00	0.00	0.014	O	|	|	|	0.01
277.333	0.00	0.00	0.014	O	|	|	|	0.01
277.417	0.00	0.00	0.014	O	|	|	|	0.01
277.500	0.00	0.00	0.014	O	|	|	|	0.01
277.583	0.00	0.00	0.014	O	|	|	|	0.01
277.667	0.00	0.00	0.014	O	|	|	|	0.01
277.750	0.00	0.00	0.014	O	|	|	|	0.01
277.833	0.00	0.00	0.013	O	|	|	|	0.01
277.917	0.00	0.00	0.013	O	|	|	|	0.01
278.000	0.00	0.00	0.013	O	|	|	|	0.01
278.083	0.00	0.00	0.013	O	|	|	|	0.01
278.167	0.00	0.00	0.013	O	|	|	|	0.01
278.250	0.00	0.00	0.013	O	|	|	|	0.01
278.333	0.00	0.00	0.013	O	|	|	|	0.01
278.417	0.00	0.00	0.013	O	|	|	|	0.01
278.500	0.00	0.00	0.013	O	|	|	|	0.01
278.583	0.00	0.00	0.013	O	|	|	|	0.01
278.667	0.00	0.00	0.013	O	|	|	|	0.01
278.750	0.00	0.00	0.013	O	|	|	|	0.01
278.833	0.00	0.00	0.013	O	|	|	|	0.01
278.917	0.00	0.00	0.013	O	|	|	|	0.01
279.000	0.00	0.00	0.013	O	|	|	|	0.01
279.083	0.00	0.00	0.013	O	|	|	|	0.01
279.167	0.00	0.00	0.013	O	|	|	|	0.01
279.250	0.00	0.00	0.013	O	|	|	|	0.01

279.333	0.00	0.00	0.013	O	|	|	|	|	0.01
279.417	0.00	0.00	0.013	O	|	|	|	|	0.01
279.500	0.00	0.00	0.013	O	|	|	|	|	0.01
279.583	0.00	0.00	0.013	O	|	|	|	|	0.01
279.667	0.00	0.00	0.013	O	|	|	|	|	0.01
279.750	0.00	0.00	0.013	O	|	|	|	|	0.01
279.833	0.00	0.00	0.013	O	|	|	|	|	0.01
279.917	0.00	0.00	0.013	O	|	|	|	|	0.01
280.000	0.00	0.00	0.013	O	|	|	|	|	0.01
280.083	0.00	0.00	0.013	O	|	|	|	|	0.01
280.167	0.00	0.00	0.013	O	|	|	|	|	0.01
280.250	0.00	0.00	0.013	O	|	|	|	|	0.01
280.333	0.00	0.00	0.013	O	|	|	|	|	0.01
280.417	0.00	0.00	0.013	O	|	|	|	|	0.01
280.500	0.00	0.00	0.013	O	|	|	|	|	0.01
280.583	0.00	0.00	0.013	O	|	|	|	|	0.01
280.667	0.00	0.00	0.013	O	|	|	|	|	0.01
280.750	0.00	0.00	0.012	O	|	|	|	|	0.01
280.833	0.00	0.00	0.012	O	|	|	|	|	0.01
280.917	0.00	0.00	0.012	O	|	|	|	|	0.01
281.000	0.00	0.00	0.012	O	|	|	|	|	0.01
281.083	0.00	0.00	0.012	O	|	|	|	|	0.01
281.167	0.00	0.00	0.012	O	|	|	|	|	0.01
281.250	0.00	0.00	0.012	O	|	|	|	|	0.01
281.333	0.00	0.00	0.012	O	|	|	|	|	0.01
281.417	0.00	0.00	0.012	O	|	|	|	|	0.01
281.500	0.00	0.00	0.012	O	|	|	|	|	0.01
281.583	0.00	0.00	0.012	O	|	|	|	|	0.01
281.667	0.00	0.00	0.012	O	|	|	|	|	0.01
281.750	0.00	0.00	0.012	O	|	|	|	|	0.01
281.833	0.00	0.00	0.012	O	|	|	|	|	0.01
281.917	0.00	0.00	0.012	O	|	|	|	|	0.01
282.000	0.00	0.00	0.012	O	|	|	|	|	0.01
282.083	0.00	0.00	0.012	O	|	|	|	|	0.01
282.167	0.00	0.00	0.012	O	|	|	|	|	0.01
282.250	0.00	0.00	0.012	O	|	|	|	|	0.01
282.333	0.00	0.00	0.012	O	|	|	|	|	0.01
282.417	0.00	0.00	0.012	O	|	|	|	|	0.01
282.500	0.00	0.00	0.012	O	|	|	|	|	0.01
282.583	0.00	0.00	0.012	O	|	|	|	|	0.01
282.667	0.00	0.00	0.012	O	|	|	|	|	0.01
282.750	0.00	0.00	0.012	O	|	|	|	|	0.01
282.833	0.00	0.00	0.012	O	|	|	|	|	0.01
282.917	0.00	0.00	0.012	O	|	|	|	|	0.01
283.000	0.00	0.00	0.012	O	|	|	|	|	0.01
283.083	0.00	0.00	0.012	O	|	|	|	|	0.01
283.167	0.00	0.00	0.012	O	|	|	|	|	0.01
283.250	0.00	0.00	0.012	O	|	|	|	|	0.01
283.333	0.00	0.00	0.012	O	|	|	|	|	0.01
283.417	0.00	0.00	0.012	O	|	|	|	|	0.01
283.500	0.00	0.00	0.012	O	|	|	|	|	0.01
283.583	0.00	0.00	0.012	O	|	|	|	|	0.01
283.667	0.00	0.00	0.012	O	|	|	|	|	0.01
283.750	0.00	0.00	0.012	O	|	|	|	|	0.01
283.833	0.00	0.00	0.011	O	|	|	|	|	0.01
283.917	0.00	0.00	0.011	O	|	|	|	|	0.01
284.000	0.00	0.00	0.011	O	|	|	|	|	0.01
284.083	0.00	0.00	0.011	O	|	|	|	|	0.01
284.167	0.00	0.00	0.011	O	|	|	|	|	0.01
284.250	0.00	0.00	0.011	O	|	|	|	|	0.01
284.333	0.00	0.00	0.011	O	|	|	|	|	0.01
284.417	0.00	0.00	0.011	O	|	|	|	|	0.01
284.500	0.00	0.00	0.011	O	|	|	|	|	0.01
284.583	0.00	0.00	0.011	O	|	|	|	|	0.01
284.667	0.00	0.00	0.011	O	|	|	|	|	0.01
284.750	0.00	0.00	0.011	O	|	|	|	|	0.01
284.833	0.00	0.00	0.011	O	|	|	|	|	0.01

284.917	0.00	0.00	0.011	O	|	|	|	|	0.01
285.000	0.00	0.00	0.011	O	|	|	|	|	0.01
285.083	0.00	0.00	0.011	O	|	|	|	|	0.01
285.167	0.00	0.00	0.011	O	|	|	|	|	0.01
285.250	0.00	0.00	0.011	O	|	|	|	|	0.01
285.333	0.00	0.00	0.011	O	|	|	|	|	0.01
285.417	0.00	0.00	0.011	O	|	|	|	|	0.01
285.500	0.00	0.00	0.011	O	|	|	|	|	0.01
285.583	0.00	0.00	0.011	O	|	|	|	|	0.01
285.667	0.00	0.00	0.011	O	|	|	|	|	0.01
285.750	0.00	0.00	0.011	O	|	|	|	|	0.01
285.833	0.00	0.00	0.011	O	|	|	|	|	0.01
285.917	0.00	0.00	0.011	O	|	|	|	|	0.01
286.000	0.00	0.00	0.011	O	|	|	|	|	0.01
286.083	0.00	0.00	0.011	O	|	|	|	|	0.01
286.167	0.00	0.00	0.011	O	|	|	|	|	0.01
286.250	0.00	0.00	0.011	O	|	|	|	|	0.01
286.333	0.00	0.00	0.011	O	|	|	|	|	0.01
286.417	0.00	0.00	0.011	O	|	|	|	|	0.01
286.500	0.00	0.00	0.011	O	|	|	|	|	0.01
286.583	0.00	0.00	0.011	O	|	|	|	|	0.01
286.667	0.00	0.00	0.011	O	|	|	|	|	0.01
286.750	0.00	0.00	0.011	O	|	|	|	|	0.01
286.833	0.00	0.00	0.011	O	|	|	|	|	0.01
286.917	0.00	0.00	0.011	O	|	|	|	|	0.01
287.000	0.00	0.00	0.011	O	|	|	|	|	0.01
287.083	0.00	0.00	0.011	O	|	|	|	|	0.01
287.167	0.00	0.00	0.011	O	|	|	|	|	0.01
287.250	0.00	0.00	0.010	O	|	|	|	|	0.01
287.333	0.00	0.00	0.010	O	|	|	|	|	0.01
287.417	0.00	0.00	0.010	O	|	|	|	|	0.01
287.500	0.00	0.00	0.010	O	|	|	|	|	0.01
287.583	0.00	0.00	0.010	O	|	|	|	|	0.01
287.667	0.00	0.00	0.010	O	|	|	|	|	0.01
287.750	0.00	0.00	0.010	O	|	|	|	|	0.01
287.833	0.00	0.00	0.010	O	|	|	|	|	0.01
287.917	0.00	0.00	0.010	O	|	|	|	|	0.01
288.000	0.00	0.00	0.010	O	|	|	|	|	0.01
288.083	0.00	0.00	0.010	O	|	|	|	|	0.01
288.167	0.00	0.00	0.010	O	|	|	|	|	0.01
288.250	0.00	0.00	0.010	O	|	|	|	|	0.01
288.333	0.00	0.00	0.010	O	|	|	|	|	0.01
288.417	0.00	0.00	0.010	O	|	|	|	|	0.01
288.500	0.00	0.00	0.010	O	|	|	|	|	0.01
288.583	0.00	0.00	0.010	O	|	|	|	|	0.01
288.667	0.00	0.00	0.010	O	|	|	|	|	0.01
288.750	0.00	0.00	0.010	O	|	|	|	|	0.01
288.833	0.00	0.00	0.010	O	|	|	|	|	0.01
288.917	0.00	0.00	0.010	O	|	|	|	|	0.01
289.000	0.00	0.00	0.010	O	|	|	|	|	0.01
289.083	0.00	0.00	0.010	O	|	|	|	|	0.01
289.167	0.00	0.00	0.010	O	|	|	|	|	0.01
289.250	0.00	0.00	0.010	O	|	|	|	|	0.01
289.333	0.00	0.00	0.010	O	|	|	|	|	0.01
289.417	0.00	0.00	0.010	O	|	|	|	|	0.01
289.500	0.00	0.00	0.010	O	|	|	|	|	0.01
289.583	0.00	0.00	0.010	O	|	|	|	|	0.01
289.667	0.00	0.00	0.010	O	|	|	|	|	0.01
289.750	0.00	0.00	0.010	O	|	|	|	|	0.01
289.833	0.00	0.00	0.010	O	|	|	|	|	0.01
289.917	0.00	0.00	0.010	O	|	|	|	|	0.01
290.000	0.00	0.00	0.010	O	|	|	|	|	0.01
290.083	0.00	0.00	0.010	O	|	|	|	|	0.01
290.167	0.00	0.00	0.010	O	|	|	|	|	0.01
290.250	0.00	0.00	0.010	O	|	|	|	|	0.01
290.333	0.00	0.00	0.010	O	|	|	|	|	0.01
290.417	0.00	0.00	0.010	O	|	|	|	|	0.01

290.500	0.00	0.00	0.010	O	|	|	|	0.01
290.583	0.00	0.00	0.010	O	|	|	|	0.01
290.667	0.00	0.00	0.010	O	|	|	|	0.01
290.750	0.00	0.00	0.010	O	|	|	|	0.01
290.833	0.00	0.00	0.010	O	|	|	|	0.01
290.917	0.00	0.00	0.009	O	|	|	|	0.01
291.000	0.00	0.00	0.009	O	|	|	|	0.01
291.083	0.00	0.00	0.009	O	|	|	|	0.01
291.167	0.00	0.00	0.009	O	|	|	|	0.01
291.250	0.00	0.00	0.009	O	|	|	|	0.01
291.333	0.00	0.00	0.009	O	|	|	|	0.01
291.417	0.00	0.00	0.009	O	|	|	|	0.01
291.500	0.00	0.00	0.009	O	|	|	|	0.01
291.583	0.00	0.00	0.009	O	|	|	|	0.01
291.667	0.00	0.00	0.009	O	|	|	|	0.01
291.750	0.00	0.00	0.009	O	|	|	|	0.01
291.833	0.00	0.00	0.009	O	|	|	|	0.01
291.917	0.00	0.00	0.009	O	|	|	|	0.01
292.000	0.00	0.00	0.009	O	|	|	|	0.01
292.083	0.00	0.00	0.009	O	|	|	|	0.01
292.167	0.00	0.00	0.009	O	|	|	|	0.01
292.250	0.00	0.00	0.009	O	|	|	|	0.01
292.333	0.00	0.00	0.009	O	|	|	|	0.01
292.417	0.00	0.00	0.009	O	|	|	|	0.01
292.500	0.00	0.00	0.009	O	|	|	|	0.01
292.583	0.00	0.00	0.009	O	|	|	|	0.01
292.667	0.00	0.00	0.009	O	|	|	|	0.01
292.750	0.00	0.00	0.009	O	|	|	|	0.01
292.833	0.00	0.00	0.009	O	|	|	|	0.01
292.917	0.00	0.00	0.009	O	|	|	|	0.01
293.000	0.00	0.00	0.009	O	|	|	|	0.01
293.083	0.00	0.00	0.009	O	|	|	|	0.01
293.167	0.00	0.00	0.009	O	|	|	|	0.01
293.250	0.00	0.00	0.009	O	|	|	|	0.01
293.333	0.00	0.00	0.009	O	|	|	|	0.01
293.417	0.00	0.00	0.009	O	|	|	|	0.01
293.500	0.00	0.00	0.009	O	|	|	|	0.01
293.583	0.00	0.00	0.009	O	|	|	|	0.01
293.667	0.00	0.00	0.009	O	|	|	|	0.01
293.750	0.00	0.00	0.009	O	|	|	|	0.01
293.833	0.00	0.00	0.009	O	|	|	|	0.01
293.917	0.00	0.00	0.009	O	|	|	|	0.01
294.000	0.00	0.00	0.009	O	|	|	|	0.01
294.083	0.00	0.00	0.009	O	|	|	|	0.01
294.167	0.00	0.00	0.009	O	|	|	|	0.01
294.250	0.00	0.00	0.009	O	|	|	|	0.01
294.333	0.00	0.00	0.009	O	|	|	|	0.01
294.417	0.00	0.00	0.009	O	|	|	|	0.01
294.500	0.00	0.00	0.009	O	|	|	|	0.01
294.583	0.00	0.00	0.009	O	|	|	|	0.01
294.667	0.00	0.00	0.009	O	|	|	|	0.01
294.750	0.00	0.00	0.009	O	|	|	|	0.01
294.833	0.00	0.00	0.009	O	|	|	|	0.01
294.917	0.00	0.00	0.009	O	|	|	|	0.01
295.000	0.00	0.00	0.009	O	|	|	|	0.01
295.083	0.00	0.00	0.008	O	|	|	|	0.01
295.167	0.00	0.00	0.008	O	|	|	|	0.01
295.250	0.00	0.00	0.008	O	|	|	|	0.01
295.333	0.00	0.00	0.008	O	|	|	|	0.01
295.417	0.00	0.00	0.008	O	|	|	|	0.01
295.500	0.00	0.00	0.008	O	|	|	|	0.01
295.583	0.00	0.00	0.008	O	|	|	|	0.01
295.667	0.00	0.00	0.008	O	|	|	|	0.01
295.750	0.00	0.00	0.008	O	|	|	|	0.01
295.833	0.00	0.00	0.008	O	|	|	|	0.01
295.917	0.00	0.00	0.008	O	|	|	|	0.01
296.000	0.00	0.00	0.008	O	|	|	|	0.01

296.083	0.00	0.00	0.008	O	|	|	|	0.01
296.167	0.00	0.00	0.008	O	|	|	|	0.01
296.250	0.00	0.00	0.008	O	|	|	|	0.01
296.333	0.00	0.00	0.008	O	|	|	|	0.01
296.417	0.00	0.00	0.008	O	|	|	|	0.01
296.500	0.00	0.00	0.008	O	|	|	|	0.01
296.583	0.00	0.00	0.008	O	|	|	|	0.01
296.667	0.00	0.00	0.008	O	|	|	|	0.01
296.750	0.00	0.00	0.008	O	|	|	|	0.01
296.833	0.00	0.00	0.008	O	|	|	|	0.01
296.917	0.00	0.00	0.008	O	|	|	|	0.01
297.000	0.00	0.00	0.008	O	|	|	|	0.01
297.083	0.00	0.00	0.008	O	|	|	|	0.01
297.167	0.00	0.00	0.008	O	|	|	|	0.01
297.250	0.00	0.00	0.008	O	|	|	|	0.01
297.333	0.00	0.00	0.008	O	|	|	|	0.01
297.417	0.00	0.00	0.008	O	|	|	|	0.01
297.500	0.00	0.00	0.008	O	|	|	|	0.01
297.583	0.00	0.00	0.008	O	|	|	|	0.01
297.667	0.00	0.00	0.008	O	|	|	|	0.01
297.750	0.00	0.00	0.008	O	|	|	|	0.01
297.833	0.00	0.00	0.008	O	|	|	|	0.01
297.917	0.00	0.00	0.008	O	|	|	|	0.01
298.000	0.00	0.00	0.008	O	|	|	|	0.01
298.083	0.00	0.00	0.008	O	|	|	|	0.01
298.167	0.00	0.00	0.008	O	|	|	|	0.01
298.250	0.00	0.00	0.008	O	|	|	|	0.01
298.333	0.00	0.00	0.008	O	|	|	|	0.01
298.417	0.00	0.00	0.008	O	|	|	|	0.01
298.500	0.00	0.00	0.008	O	|	|	|	0.01
298.583	0.00	0.00	0.008	O	|	|	|	0.01
298.667	0.00	0.00	0.008	O	|	|	|	0.01
298.750	0.00	0.00	0.008	O	|	|	|	0.01
298.833	0.00	0.00	0.008	O	|	|	|	0.01
298.917	0.00	0.00	0.008	O	|	|	|	0.01
299.000	0.00	0.00	0.008	O	|	|	|	0.01
299.083	0.00	0.00	0.008	O	|	|	|	0.01
299.167	0.00	0.00	0.008	O	|	|	|	0.01
299.250	0.00	0.00	0.008	O	|	|	|	0.01
299.333	0.00	0.00	0.008	O	|	|	|	0.01
299.417	0.00	0.00	0.008	O	|	|	|	0.01
299.500	0.00	0.00	0.008	O	|	|	|	0.01
299.583	0.00	0.00	0.008	O	|	|	|	0.01
299.667	0.00	0.00	0.008	O	|	|	|	0.01
299.750	0.00	0.00	0.007	O	|	|	|	0.01
299.833	0.00	0.00	0.007	O	|	|	|	0.01
299.917	0.00	0.00	0.007	O	|	|	|	0.01
300.000	0.00	0.00	0.007	O	|	|	|	0.01
300.083	0.00	0.00	0.007	O	|	|	|	0.01
300.167	0.00	0.00	0.007	O	|	|	|	0.01
300.250	0.00	0.00	0.007	O	|	|	|	0.01
300.333	0.00	0.00	0.007	O	|	|	|	0.01
300.417	0.00	0.00	0.007	O	|	|	|	0.01
300.500	0.00	0.00	0.007	O	|	|	|	0.01
300.583	0.00	0.00	0.007	O	|	|	|	0.01
300.667	0.00	0.00	0.007	O	|	|	|	0.01
300.750	0.00	0.00	0.007	O	|	|	|	0.01
300.833	0.00	0.00	0.007	O	|	|	|	0.01
300.917	0.00	0.00	0.007	O	|	|	|	0.01
301.000	0.00	0.00	0.007	O	|	|	|	0.01
301.083	0.00	0.00	0.007	O	|	|	|	0.00
301.167	0.00	0.00	0.007	O	|	|	|	0.00
301.250	0.00	0.00	0.007	O	|	|	|	0.00
301.333	0.00	0.00	0.007	O	|	|	|	0.00
301.417	0.00	0.00	0.007	O	|	|	|	0.00
301.500	0.00	0.00	0.007	O	|	|	|	0.00
301.583	0.00	0.00	0.007	O	|	|	|	0.00

301.667	0.00	0.00	0.007	O	|	|	|	0.00
301.750	0.00	0.00	0.007	O	|	|	|	0.00
301.833	0.00	0.00	0.007	O	|	|	|	0.00
301.917	0.00	0.00	0.007	O	|	|	|	0.00
302.000	0.00	0.00	0.007	O	|	|	|	0.00
302.083	0.00	0.00	0.007	O	|	|	|	0.00
302.167	0.00	0.00	0.007	O	|	|	|	0.00
302.250	0.00	0.00	0.007	O	|	|	|	0.00
302.333	0.00	0.00	0.007	O	|	|	|	0.00
302.417	0.00	0.00	0.007	O	|	|	|	0.00
302.500	0.00	0.00	0.007	O	|	|	|	0.00
302.583	0.00	0.00	0.007	O	|	|	|	0.00
302.667	0.00	0.00	0.007	O	|	|	|	0.00
302.750	0.00	0.00	0.007	O	|	|	|	0.00
302.833	0.00	0.00	0.007	O	|	|	|	0.00
302.917	0.00	0.00	0.007	O	|	|	|	0.00
303.000	0.00	0.00	0.007	O	|	|	|	0.00
303.083	0.00	0.00	0.007	O	|	|	|	0.00
303.167	0.00	0.00	0.007	O	|	|	|	0.00
303.250	0.00	0.00	0.007	O	|	|	|	0.00
303.333	0.00	0.00	0.007	O	|	|	|	0.00
303.417	0.00	0.00	0.007	O	|	|	|	0.00
303.500	0.00	0.00	0.007	O	|	|	|	0.00
303.583	0.00	0.00	0.007	O	|	|	|	0.00
303.667	0.00	0.00	0.007	O	|	|	|	0.00
303.750	0.00	0.00	0.007	O	|	|	|	0.00
303.833	0.00	0.00	0.007	O	|	|	|	0.00
303.917	0.00	0.00	0.007	O	|	|	|	0.00
304.000	0.00	0.00	0.007	O	|	|	|	0.00
304.083	0.00	0.00	0.007	O	|	|	|	0.00
304.167	0.00	0.00	0.007	O	|	|	|	0.00
304.250	0.00	0.00	0.007	O	|	|	|	0.00
304.333	0.00	0.00	0.007	O	|	|	|	0.00
304.417	0.00	0.00	0.007	O	|	|	|	0.00
304.500	0.00	0.00	0.007	O	|	|	|	0.00
304.583	0.00	0.00	0.007	O	|	|	|	0.00
304.667	0.00	0.00	0.007	O	|	|	|	0.00
304.750	0.00	0.00	0.007	O	|	|	|	0.00
304.833	0.00	0.00	0.007	O	|	|	|	0.00
304.917	0.00	0.00	0.007	O	|	|	|	0.00
305.000	0.00	0.00	0.007	O	|	|	|	0.00
305.083	0.00	0.00	0.006	O	|	|	|	0.00
305.167	0.00	0.00	0.006	O	|	|	|	0.00
305.250	0.00	0.00	0.006	O	|	|	|	0.00
305.333	0.00	0.00	0.006	O	|	|	|	0.00
305.417	0.00	0.00	0.006	O	|	|	|	0.00
305.500	0.00	0.00	0.006	O	|	|	|	0.00
305.583	0.00	0.00	0.006	O	|	|	|	0.00
305.667	0.00	0.00	0.006	O	|	|	|	0.00
305.750	0.00	0.00	0.006	O	|	|	|	0.00
305.833	0.00	0.00	0.006	O	|	|	|	0.00
305.917	0.00	0.00	0.006	O	|	|	|	0.00
306.000	0.00	0.00	0.006	O	|	|	|	0.00
306.083	0.00	0.00	0.006	O	|	|	|	0.00
306.167	0.00	0.00	0.006	O	|	|	|	0.00
306.250	0.00	0.00	0.006	O	|	|	|	0.00
306.333	0.00	0.00	0.006	O	|	|	|	0.00
306.417	0.00	0.00	0.006	O	|	|	|	0.00
306.500	0.00	0.00	0.006	O	|	|	|	0.00
306.583	0.00	0.00	0.006	O	|	|	|	0.00
306.667	0.00	0.00	0.006	O	|	|	|	0.00
306.750	0.00	0.00	0.006	O	|	|	|	0.00
306.833	0.00	0.00	0.006	O	|	|	|	0.00
306.917	0.00	0.00	0.006	O	|	|	|	0.00
307.000	0.00	0.00	0.006	O	|	|	|	0.00
307.083	0.00	0.00	0.006	O	|	|	|	0.00
307.167	0.00	0.00	0.006	O	|	|	|	0.00

307.250	0.00	0.00	0.006	O	|	|	|	0.00
307.333	0.00	0.00	0.006	O	|	|	|	0.00
307.417	0.00	0.00	0.006	O	|	|	|	0.00
307.500	0.00	0.00	0.006	O	|	|	|	0.00
307.583	0.00	0.00	0.006	O	|	|	|	0.00
307.667	0.00	0.00	0.006	O	|	|	|	0.00
307.750	0.00	0.00	0.006	O	|	|	|	0.00
307.833	0.00	0.00	0.006	O	|	|	|	0.00
307.917	0.00	0.00	0.006	O	|	|	|	0.00
308.000	0.00	0.00	0.006	O	|	|	|	0.00
308.083	0.00	0.00	0.006	O	|	|	|	0.00
308.167	0.00	0.00	0.006	O	|	|	|	0.00
308.250	0.00	0.00	0.006	O	|	|	|	0.00
308.333	0.00	0.00	0.006	O	|	|	|	0.00
308.417	0.00	0.00	0.006	O	|	|	|	0.00
308.500	0.00	0.00	0.006	O	|	|	|	0.00
308.583	0.00	0.00	0.006	O	|	|	|	0.00
308.667	0.00	0.00	0.006	O	|	|	|	0.00
308.750	0.00	0.00	0.006	O	|	|	|	0.00
308.833	0.00	0.00	0.006	O	|	|	|	0.00
308.917	0.00	0.00	0.006	O	|	|	|	0.00
309.000	0.00	0.00	0.006	O	|	|	|	0.00
309.083	0.00	0.00	0.006	O	|	|	|	0.00
309.167	0.00	0.00	0.006	O	|	|	|	0.00
309.250	0.00	0.00	0.006	O	|	|	|	0.00
309.333	0.00	0.00	0.006	O	|	|	|	0.00
309.417	0.00	0.00	0.006	O	|	|	|	0.00
309.500	0.00	0.00	0.006	O	|	|	|	0.00
309.583	0.00	0.00	0.006	O	|	|	|	0.00
309.667	0.00	0.00	0.006	O	|	|	|	0.00
309.750	0.00	0.00	0.006	O	|	|	|	0.00
309.833	0.00	0.00	0.006	O	|	|	|	0.00
309.917	0.00	0.00	0.006	O	|	|	|	0.00
310.000	0.00	0.00	0.006	O	|	|	|	0.00
310.083	0.00	0.00	0.006	O	|	|	|	0.00
310.167	0.00	0.00	0.006	O	|	|	|	0.00
310.250	0.00	0.00	0.006	O	|	|	|	0.00
310.333	0.00	0.00	0.006	O	|	|	|	0.00
310.417	0.00	0.00	0.006	O	|	|	|	0.00
310.500	0.00	0.00	0.006	O	|	|	|	0.00
310.583	0.00	0.00	0.006	O	|	|	|	0.00
310.667	0.00	0.00	0.006	O	|	|	|	0.00
310.750	0.00	0.00	0.006	O	|	|	|	0.00
310.833	0.00	0.00	0.006	O	|	|	|	0.00
310.917	0.00	0.00	0.006	O	|	|	|	0.00
311.000	0.00	0.00	0.006	O	|	|	|	0.00
311.083	0.00	0.00	0.006	O	|	|	|	0.00
311.167	0.00	0.00	0.006	O	|	|	|	0.00
311.250	0.00	0.00	0.006	O	|	|	|	0.00
311.333	0.00	0.00	0.005	O	|	|	|	0.00
311.417	0.00	0.00	0.005	O	|	|	|	0.00
311.500	0.00	0.00	0.005	O	|	|	|	0.00
311.583	0.00	0.00	0.005	O	|	|	|	0.00
311.667	0.00	0.00	0.005	O	|	|	|	0.00
311.750	0.00	0.00	0.005	O	|	|	|	0.00
311.833	0.00	0.00	0.005	O	|	|	|	0.00
311.917	0.00	0.00	0.005	O	|	|	|	0.00
312.000	0.00	0.00	0.005	O	|	|	|	0.00
312.083	0.00	0.00	0.005	O	|	|	|	0.00
312.167	0.00	0.00	0.005	O	|	|	|	0.00
312.250	0.00	0.00	0.005	O	|	|	|	0.00
312.333	0.00	0.00	0.005	O	|	|	|	0.00
312.417	0.00	0.00	0.005	O	|	|	|	0.00
312.500	0.00	0.00	0.005	O	|	|	|	0.00
312.583	0.00	0.00	0.005	O	|	|	|	0.00
312.667	0.00	0.00	0.005	O	|	|	|	0.00
312.750	0.00	0.00	0.005	O	|	|	|	0.00

312.833	0.00	0.00	0.005	O	|	|	|	0.00
312.917	0.00	0.00	0.005	O	|	|	|	0.00
313.000	0.00	0.00	0.005	O	|	|	|	0.00
313.083	0.00	0.00	0.005	O	|	|	|	0.00
313.167	0.00	0.00	0.005	O	|	|	|	0.00
313.250	0.00	0.00	0.005	O	|	|	|	0.00
313.333	0.00	0.00	0.005	O	|	|	|	0.00
313.417	0.00	0.00	0.005	O	|	|	|	0.00
313.500	0.00	0.00	0.005	O	|	|	|	0.00
313.583	0.00	0.00	0.005	O	|	|	|	0.00
313.667	0.00	0.00	0.005	O	|	|	|	0.00
313.750	0.00	0.00	0.005	O	|	|	|	0.00
313.833	0.00	0.00	0.005	O	|	|	|	0.00
313.917	0.00	0.00	0.005	O	|	|	|	0.00
314.000	0.00	0.00	0.005	O	|	|	|	0.00
314.083	0.00	0.00	0.005	O	|	|	|	0.00
314.167	0.00	0.00	0.005	O	|	|	|	0.00
314.250	0.00	0.00	0.005	O	|	|	|	0.00
314.333	0.00	0.00	0.005	O	|	|	|	0.00
314.417	0.00	0.00	0.005	O	|	|	|	0.00
314.500	0.00	0.00	0.005	O	|	|	|	0.00
314.583	0.00	0.00	0.005	O	|	|	|	0.00
314.667	0.00	0.00	0.005	O	|	|	|	0.00
314.750	0.00	0.00	0.005	O	|	|	|	0.00
314.833	0.00	0.00	0.005	O	|	|	|	0.00
314.917	0.00	0.00	0.005	O	|	|	|	0.00
315.000	0.00	0.00	0.005	O	|	|	|	0.00
315.083	0.00	0.00	0.005	O	|	|	|	0.00
315.167	0.00	0.00	0.005	O	|	|	|	0.00
315.250	0.00	0.00	0.005	O	|	|	|	0.00
315.333	0.00	0.00	0.005	O	|	|	|	0.00
315.417	0.00	0.00	0.005	O	|	|	|	0.00
315.500	0.00	0.00	0.005	O	|	|	|	0.00
315.583	0.00	0.00	0.005	O	|	|	|	0.00
315.667	0.00	0.00	0.005	O	|	|	|	0.00
315.750	0.00	0.00	0.005	O	|	|	|	0.00
315.833	0.00	0.00	0.005	O	|	|	|	0.00
315.917	0.00	0.00	0.005	O	|	|	|	0.00
316.000	0.00	0.00	0.005	O	|	|	|	0.00
316.083	0.00	0.00	0.005	O	|	|	|	0.00
316.167	0.00	0.00	0.005	O	|	|	|	0.00
316.250	0.00	0.00	0.005	O	|	|	|	0.00
316.333	0.00	0.00	0.005	O	|	|	|	0.00
316.417	0.00	0.00	0.005	O	|	|	|	0.00
316.500	0.00	0.00	0.005	O	|	|	|	0.00
316.583	0.00	0.00	0.005	O	|	|	|	0.00
316.667	0.00	0.00	0.005	O	|	|	|	0.00
316.750	0.00	0.00	0.005	O	|	|	|	0.00
316.833	0.00	0.00	0.005	O	|	|	|	0.00
316.917	0.00	0.00	0.005	O	|	|	|	0.00
317.000	0.00	0.00	0.005	O	|	|	|	0.00
317.083	0.00	0.00	0.005	O	|	|	|	0.00
317.167	0.00	0.00	0.005	O	|	|	|	0.00
317.250	0.00	0.00	0.005	O	|	|	|	0.00
317.333	0.00	0.00	0.005	O	|	|	|	0.00
317.417	0.00	0.00	0.005	O	|	|	|	0.00
317.500	0.00	0.00	0.005	O	|	|	|	0.00
317.583	0.00	0.00	0.005	O	|	|	|	0.00
317.667	0.00	0.00	0.005	O	|	|	|	0.00
317.750	0.00	0.00	0.005	O	|	|	|	0.00
317.833	0.00	0.00	0.005	O	|	|	|	0.00
317.917	0.00	0.00	0.005	O	|	|	|	0.00
318.000	0.00	0.00	0.005	O	|	|	|	0.00
318.083	0.00	0.00	0.005	O	|	|	|	0.00
318.167	0.00	0.00	0.005	O	|	|	|	0.00
318.250	0.00	0.00	0.005	O	|	|	|	0.00
318.333	0.00	0.00	0.005	O	|	|	|	0.00

318.417	0.00	0.00	0.005	O				0.00
318.500	0.00	0.00	0.005	O				0.00
318.583	0.00	0.00	0.005	O				0.00
318.667	0.00	0.00	0.005	O				0.00
318.750	0.00	0.00	0.005	O				0.00
318.833	0.00	0.00	0.004	O				0.00
318.917	0.00	0.00	0.004	O				0.00
319.000	0.00	0.00	0.004	O				0.00
319.083	0.00	0.00	0.004	O				0.00
319.167	0.00	0.00	0.004	O				0.00
319.250	0.00	0.00	0.004	O				0.00
319.333	0.00	0.00	0.004	O				0.00
319.417	0.00	0.00	0.004	O				0.00
319.500	0.00	0.00	0.004	O				0.00
319.583	0.00	0.00	0.004	O				0.00
319.667	0.00	0.00	0.004	O				0.00
319.750	0.00	0.00	0.004	O				0.00
319.833	0.00	0.00	0.004	O				0.00
319.917	0.00	0.00	0.004	O				0.00
320.000	0.00	0.00	0.004	O				0.00
320.083	0.00	0.00	0.004	O				0.00
320.167	0.00	0.00	0.004	O				0.00
320.250	0.00	0.00	0.004	O				0.00
320.333	0.00	0.00	0.004	O				0.00
320.417	0.00	0.00	0.004	O				0.00
320.500	0.00	0.00	0.004	O				0.00
320.583	0.00	0.00	0.004	O				0.00
320.667	0.00	0.00	0.004	O				0.00
320.750	0.00	0.00	0.004	O				0.00
320.833	0.00	0.00	0.004	O				0.00
320.917	0.00	0.00	0.004	O				0.00
321.000	0.00	0.00	0.004	O				0.00
321.083	0.00	0.00	0.004	O				0.00
321.167	0.00	0.00	0.004	O				0.00
321.250	0.00	0.00	0.004	O				0.00
321.333	0.00	0.00	0.004	O				0.00
321.417	0.00	0.00	0.004	O				0.00
321.500	0.00	0.00	0.004	O				0.00
321.583	0.00	0.00	0.004	O				0.00
321.667	0.00	0.00	0.004	O				0.00
321.750	0.00	0.00	0.004	O				0.00
321.833	0.00	0.00	0.004	O				0.00
321.917	0.00	0.00	0.004	O				0.00
322.000	0.00	0.00	0.004	O				0.00
322.083	0.00	0.00	0.004	O				0.00
322.167	0.00	0.00	0.004	O				0.00
322.250	0.00	0.00	0.004	O				0.00
322.333	0.00	0.00	0.004	O				0.00
322.417	0.00	0.00	0.004	O				0.00
322.500	0.00	0.00	0.004	O				0.00
322.583	0.00	0.00	0.004	O				0.00
322.667	0.00	0.00	0.004	O				0.00
322.750	0.00	0.00	0.004	O				0.00
322.833	0.00	0.00	0.004	O				0.00
322.917	0.00	0.00	0.004	O				0.00
323.000	0.00	0.00	0.004	O				0.00
323.083	0.00	0.00	0.004	O				0.00
323.167	0.00	0.00	0.004	O				0.00
323.250	0.00	0.00	0.004	O				0.00
323.333	0.00	0.00	0.004	O				0.00
323.417	0.00	0.00	0.004	O				0.00
323.500	0.00	0.00	0.004	O				0.00
323.583	0.00	0.00	0.004	O				0.00
323.667	0.00	0.00	0.004	O				0.00
323.750	0.00	0.00	0.004	O				0.00
323.833	0.00	0.00	0.004	O				0.00
323.917	0.00	0.00	0.004	O				0.00

324.000	0.00	0.00	0.004	O	|	|	|	0.00
324.083	0.00	0.00	0.004	O	|	|	|	0.00
324.167	0.00	0.00	0.004	O	|	|	|	0.00
324.250	0.00	0.00	0.004	O	|	|	|	0.00
324.333	0.00	0.00	0.004	O	|	|	|	0.00
324.417	0.00	0.00	0.004	O	|	|	|	0.00
324.500	0.00	0.00	0.004	O	|	|	|	0.00
324.583	0.00	0.00	0.004	O	|	|	|	0.00
324.667	0.00	0.00	0.004	O	|	|	|	0.00
324.750	0.00	0.00	0.004	O	|	|	|	0.00
324.833	0.00	0.00	0.004	O	|	|	|	0.00
324.917	0.00	0.00	0.004	O	|	|	|	0.00
325.000	0.00	0.00	0.004	O	|	|	|	0.00
325.083	0.00	0.00	0.004	O	|	|	|	0.00
325.167	0.00	0.00	0.004	O	|	|	|	0.00
325.250	0.00	0.00	0.004	O	|	|	|	0.00
325.333	0.00	0.00	0.004	O	|	|	|	0.00
325.417	0.00	0.00	0.004	O	|	|	|	0.00
325.500	0.00	0.00	0.004	O	|	|	|	0.00
325.583	0.00	0.00	0.004	O	|	|	|	0.00
325.667	0.00	0.00	0.004	O	|	|	|	0.00
325.750	0.00	0.00	0.004	O	|	|	|	0.00
325.833	0.00	0.00	0.004	O	|	|	|	0.00
325.917	0.00	0.00	0.004	O	|	|	|	0.00
326.000	0.00	0.00	0.004	O	|	|	|	0.00
326.083	0.00	0.00	0.004	O	|	|	|	0.00
326.167	0.00	0.00	0.004	O	|	|	|	0.00
326.250	0.00	0.00	0.004	O	|	|	|	0.00
326.333	0.00	0.00	0.004	O	|	|	|	0.00
326.417	0.00	0.00	0.004	O	|	|	|	0.00
326.500	0.00	0.00	0.004	O	|	|	|	0.00
326.583	0.00	0.00	0.004	O	|	|	|	0.00
326.667	0.00	0.00	0.004	O	|	|	|	0.00
326.750	0.00	0.00	0.004	O	|	|	|	0.00
326.833	0.00	0.00	0.004	O	|	|	|	0.00
326.917	0.00	0.00	0.004	O	|	|	|	0.00
327.000	0.00	0.00	0.004	O	|	|	|	0.00
327.083	0.00	0.00	0.004	O	|	|	|	0.00
327.167	0.00	0.00	0.004	O	|	|	|	0.00
327.250	0.00	0.00	0.004	O	|	|	|	0.00
327.333	0.00	0.00	0.004	O	|	|	|	0.00
327.417	0.00	0.00	0.004	O	|	|	|	0.00
327.500	0.00	0.00	0.004	O	|	|	|	0.00
327.583	0.00	0.00	0.004	O	|	|	|	0.00
327.667	0.00	0.00	0.004	O	|	|	|	0.00
327.750	0.00	0.00	0.004	O	|	|	|	0.00
327.833	0.00	0.00	0.004	O	|	|	|	0.00
327.917	0.00	0.00	0.004	O	|	|	|	0.00
328.000	0.00	0.00	0.004	O	|	|	|	0.00
328.083	0.00	0.00	0.004	O	|	|	|	0.00
328.167	0.00	0.00	0.004	O	|	|	|	0.00
328.250	0.00	0.00	0.003	O	|	|	|	0.00
328.333	0.00	0.00	0.003	O	|	|	|	0.00
328.417	0.00	0.00	0.003	O	|	|	|	0.00
328.500	0.00	0.00	0.003	O	|	|	|	0.00
328.583	0.00	0.00	0.003	O	|	|	|	0.00
328.667	0.00	0.00	0.003	O	|	|	|	0.00
328.750	0.00	0.00	0.003	O	|	|	|	0.00
328.833	0.00	0.00	0.003	O	|	|	|	0.00
328.917	0.00	0.00	0.003	O	|	|	|	0.00
329.000	0.00	0.00	0.003	O	|	|	|	0.00
329.083	0.00	0.00	0.003	O	|	|	|	0.00
329.167	0.00	0.00	0.003	O	|	|	|	0.00
329.250	0.00	0.00	0.003	O	|	|	|	0.00
329.333	0.00	0.00	0.003	O	|	|	|	0.00
329.417	0.00	0.00	0.003	O	|	|	|	0.00
329.500	0.00	0.00	0.003	O	|	|	|	0.00

329.583	0.00	0.00	0.003	O	|	|	|	|	0.00
329.667	0.00	0.00	0.003	O	|	|	|	|	0.00
329.750	0.00	0.00	0.003	O	|	|	|	|	0.00
329.833	0.00	0.00	0.003	O	|	|	|	|	0.00
329.917	0.00	0.00	0.003	O	|	|	|	|	0.00
330.000	0.00	0.00	0.003	O	|	|	|	|	0.00
330.083	0.00	0.00	0.003	O	|	|	|	|	0.00
330.167	0.00	0.00	0.003	O	|	|	|	|	0.00
330.250	0.00	0.00	0.003	O	|	|	|	|	0.00
330.333	0.00	0.00	0.003	O	|	|	|	|	0.00
330.417	0.00	0.00	0.003	O	|	|	|	|	0.00
330.500	0.00	0.00	0.003	O	|	|	|	|	0.00
330.583	0.00	0.00	0.003	O	|	|	|	|	0.00
330.667	0.00	0.00	0.003	O	|	|	|	|	0.00
330.750	0.00	0.00	0.003	O	|	|	|	|	0.00
330.833	0.00	0.00	0.003	O	|	|	|	|	0.00
330.917	0.00	0.00	0.003	O	|	|	|	|	0.00
331.000	0.00	0.00	0.003	O	|	|	|	|	0.00
331.083	0.00	0.00	0.003	O	|	|	|	|	0.00
331.167	0.00	0.00	0.003	O	|	|	|	|	0.00
331.250	0.00	0.00	0.003	O	|	|	|	|	0.00
331.333	0.00	0.00	0.003	O	|	|	|	|	0.00
331.417	0.00	0.00	0.003	O	|	|	|	|	0.00
331.500	0.00	0.00	0.003	O	|	|	|	|	0.00
331.583	0.00	0.00	0.003	O	|	|	|	|	0.00
331.667	0.00	0.00	0.003	O	|	|	|	|	0.00
331.750	0.00	0.00	0.003	O	|	|	|	|	0.00
331.833	0.00	0.00	0.003	O	|	|	|	|	0.00
331.917	0.00	0.00	0.003	O	|	|	|	|	0.00
332.000	0.00	0.00	0.003	O	|	|	|	|	0.00
332.083	0.00	0.00	0.003	O	|	|	|	|	0.00
332.167	0.00	0.00	0.003	O	|	|	|	|	0.00
332.250	0.00	0.00	0.003	O	|	|	|	|	0.00
332.333	0.00	0.00	0.003	O	|	|	|	|	0.00
332.417	0.00	0.00	0.003	O	|	|	|	|	0.00
332.500	0.00	0.00	0.003	O	|	|	|	|	0.00
332.583	0.00	0.00	0.003	O	|	|	|	|	0.00
332.667	0.00	0.00	0.003	O	|	|	|	|	0.00
332.750	0.00	0.00	0.003	O	|	|	|	|	0.00
332.833	0.00	0.00	0.003	O	|	|	|	|	0.00
332.917	0.00	0.00	0.003	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 3995
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 19.290 (CFS)
Total volume = 16.389 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/20/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRH24100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 295
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 66.457 (CFS)
Total volume = 37.272 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN H- ROUTING
100YR-24HR

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 295
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.450	0.470	1.448	1.452
2.000	3.000	0.710	2.998	3.002
3.000	4.660	1.690	4.654	4.666
4.000	6.440	2.170	6.433	6.447
5.000	8.330	2.560	8.321	8.339
6.000	10.330	2.890	10.320	10.340
7.000	12.460	3.190	12.449	12.471
8.000	14.710	3.460	14.698	14.722
9.000	17.150	83.630	16.862	17.438

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 16.6 33.23 49.84 66.46	Depth (Ft.)
0.083	0.69	0.00	0.002	O | | | |	0.00
0.167	2.39	0.00	0.013	OI | | | |	0.01

0.250	2.94	0.01	0.031	OI	|	|	|	|	0.02
0.333	3.53	0.02	0.053	OI	|	|	|	|	0.04
0.417	4.52	0.03	0.081	O I	|	|	|	|	0.06
0.500	4.88	0.04	0.113	O I	|	|	|	|	0.08
0.583	5.06	0.05	0.147	O I	|	|	|	|	0.10
0.667	5.18	0.06	0.182	O I	|	|	|	|	0.13
0.750	5.22	0.07	0.217	O I	|	|	|	|	0.15
0.833	5.59	0.08	0.254	O I	|	|	|	|	0.18
0.917	6.47	0.10	0.295	O I	|	|	|	|	0.20
1.000	6.74	0.11	0.340	O I	|	|	|	|	0.23
1.083	6.52	0.12	0.384	O I	|	|	|	|	0.27
1.167	5.74	0.14	0.426	O I	|	|	|	|	0.29
1.250	5.51	0.15	0.464	O I	|	|	|	|	0.32
1.333	5.41	0.16	0.500	O I	|	|	|	|	0.34
1.417	5.37	0.17	0.536	O I	|	|	|	|	0.37
1.500	5.33	0.19	0.572	O I	|	|	|	|	0.39
1.583	5.30	0.20	0.607	O I	|	|	|	|	0.42
1.667	5.27	0.21	0.642	O I	|	|	|	|	0.44
1.750	5.27	0.22	0.677	O I	|	|	|	|	0.47
1.833	5.62	0.23	0.713	O I	|	|	|	|	0.49
1.917	6.47	0.24	0.753	O I	|	|	|	|	0.52
2.000	6.74	0.26	0.796	O I	|	|	|	|	0.55
2.083	6.86	0.27	0.841	O I	|	|	|	|	0.58
2.167	6.93	0.29	0.887	O I	|	|	|	|	0.61
2.250	6.98	0.30	0.933	O I	|	|	|	|	0.64
2.333	7.00	0.32	0.979	O I	|	|	|	|	0.68
2.417	7.03	0.33	1.025	O I	|	|	|	|	0.71
2.500	7.03	0.35	1.071	O I	|	|	|	|	0.74
2.583	7.37	0.36	1.118	O I	|	|	|	|	0.77
2.667	8.23	0.38	1.169	O I	|	|	|	|	0.81
2.750	8.50	0.40	1.224	O I	|	|	|	|	0.84
2.833	8.62	0.42	1.281	O I	|	|	|	|	0.88
2.917	8.69	0.43	1.337	O I	|	|	|	|	0.92
3.000	8.74	0.45	1.394	O I	|	|	|	|	0.96
3.083	8.76	0.47	1.451	O I	|	|	|	|	1.00
3.167	8.79	0.48	1.508	O I	|	|	|	|	1.04
3.250	8.79	0.49	1.566	O I	|	|	|	|	1.07
3.333	8.79	0.50	1.623	O I	|	|	|	|	1.11
3.417	8.79	0.51	1.680	O I	|	|	|	|	1.15
3.500	8.79	0.51	1.737	O I	|	|	|	|	1.19
3.583	8.79	0.52	1.794	O I	|	|	|	|	1.22
3.667	8.79	0.53	1.851	O I	|	|	|	|	1.26
3.750	8.79	0.54	1.908	O I	|	|	|	|	1.30
3.833	9.13	0.55	1.965	O I	|	|	|	|	1.33
3.917	9.98	0.56	2.027	O I	|	|	|	|	1.37
4.000	10.26	0.57	2.093	O I	|	|	|	|	1.42
4.083	10.38	0.58	2.160	O I	|	|	|	|	1.46
4.167	10.45	0.59	2.228	O I	|	|	|	|	1.50
4.250	10.49	0.60	2.296	O I	|	|	|	|	1.55
4.333	10.86	0.61	2.365	O I	|	|	|	|	1.59
4.417	11.74	0.62	2.439	O I	|	|	|	|	1.64
4.500	12.01	0.64	2.517	O I	|	|	|	|	1.69
4.583	12.14	0.65	2.595	O I	|	|	|	|	1.74
4.667	12.21	0.66	2.675	O I	|	|	|	|	1.79
4.750	12.25	0.67	2.754	O I	|	|	|	|	1.84
4.833	12.62	0.68	2.835	O I	|	|	|	|	1.89
4.917	13.50	0.70	2.920	O I	|	|	|	|	1.95
5.000	13.77	0.72	3.009	O I	|	|	|	|	2.01
5.083	13.21	0.77	3.097	O I	|	|	|	|	2.06
5.167	11.57	0.81	3.177	O I	|	|	|	|	2.11
5.250	11.07	0.86	3.249	O I	|	|	|	|	2.15
5.333	11.20	0.90	3.320	O I	|	|	|	|	2.19
5.417	11.94	0.94	3.393	O I	|	|	|	|	2.24
5.500	12.12	0.99	3.469	O I	|	|	|	|	2.28
5.583	12.53	1.03	3.547	O I	|	|	|	|	2.33
5.667	13.40	1.08	3.629	O I	|	|	|	|	2.38
5.750	13.72	1.13	3.715	O I	|	|	|	|	2.43

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 5.833   13.87    1.18      3.802  O     I |       |       |       |      2.48
 5.917   13.96    1.24      3.890  O     I |       |       |       |      2.54
 6.000   14.01    1.29      3.977  O     I |       |       |       |      2.59
 6.083   14.38    1.34      4.066  O     I |       |       |       |      2.64
 6.167   15.26    1.39      4.159  O      I|       |       |       |      2.70
 6.250   15.53    1.45      4.255  O      I|       |       |       |      2.76
 6.333   15.65    1.51      4.352  O      I|       |       |       |      2.81
 6.417   15.72    1.57      4.450  O      I|       |       |       |      2.87
 6.500   15.77    1.62      4.547  O      I|       |       |       |      2.93
 6.583   16.14    1.68      4.646  O      I|       |       |       |      2.99
 6.667   17.02    1.71      4.748  O       I       |       |       |      3.05
 6.750   17.29    1.74      4.854  O       I       |       |       |      3.11
 6.833   17.41    1.77      4.962  O       I       |       |       |      3.17
 6.917   17.48    1.80      5.069  O       I       |       |       |      3.23
 7.000   17.52    1.83      5.177  O       I       |       |       |      3.29
 7.083   17.55    1.86      5.286  O       I       |       |       |      3.35
 7.167   17.58    1.89      5.394  O       I       |       |       |      3.41
 7.250   17.58    1.92      5.502  O       I       |       |       |      3.47
 7.333   17.92    1.95      5.610  O       I       |       |       |      3.53
 7.417   18.77    1.98      5.723  O       |I      |       |       |      3.60
 7.500   19.04    2.01      5.840  O       |I      |       |       |      3.66
 7.583   19.51    2.04      5.959  O       |I      |       |       |      3.73
 7.667   20.43    2.07      6.082  O       |I      |       |       |      3.80
 7.750   20.75    2.11      6.209  |O      |I      |       |       |      3.87
 7.833   21.24    2.14      6.339  |O      | I     |       |       |      3.94
 7.917   22.19    2.18      6.474  |O      | I     |       |       |      4.02
 8.000   22.51    2.21      6.613  |O      | I     |       |       |      4.09
 8.083   23.35    2.24      6.756  |O      |  I    |       |       |      4.17
 8.167   25.14    2.27      6.907  |O      |   I   |       |       |      4.25
 8.250   25.73    2.30      7.066  |O      |   I   |       |       |      4.33
 8.333   26.01    2.33      7.229  |O      |   I   |       |       |      4.42
 8.417   26.17    2.37      7.392  |O      |   I   |       |       |      4.50
 8.500   26.26    2.40      7.556  |O      |   I   |       |       |      4.59
 8.583   26.66    2.43      7.722  |O      |   I   |       |       |      4.68
 8.667   27.56    2.47      7.892  |O      |    I  |       |       |      4.77
 8.750   27.83    2.51      8.065  |O      |    I  |       |       |      4.86
 8.833   28.30    2.54      8.241  |O      |    I  |       |       |      4.95
 8.917   29.22    2.58      8.422  |O      |     I |       |       |      5.05
 9.000   29.54    2.61      8.606  |O      |     I |       |       |      5.14
 9.083   30.38    2.64      8.794  |O      |     I |       |       |      5.23
 9.167   32.18    2.67      8.992  |O      |      I|       |       |      5.33
 9.250   32.76    2.70      9.197  |O      |      I|       |       |      5.43
 9.333   33.38    2.74      9.406  |O      |       I       |       |      5.54
 9.417   34.40    2.77      9.620  |O      |       I       |       |      5.65
 9.500   34.76    2.81      9.839  |O      |       I       |       |      5.75
 9.583   35.28    2.85     10.061  |O      |       I       |       |      5.87
 9.667   36.25    2.88     10.287  |O      |       |I      |       |      5.98
 9.750   36.57    2.92     10.518  |O      |       |I      |       |      6.09
 9.833   37.06    2.95     10.751  |O      |       |I      |       |      6.20
 9.917   38.01    2.98     10.990  |O      |       | I     |       |      6.31
10.000   38.33    3.02     11.232  |O      |       | I     |       |      6.42
10.083   36.07    3.05     11.467  |O      |       |I      |       |      6.53
10.167   30.19    3.08     11.674  |O      |     I |       |       |      6.63
10.250   28.34    3.10     11.854  |O      |    I  |       |       |      6.72
10.333   27.51    3.13     12.025  |O      |    I  |       |       |      6.80
10.417   27.05    3.15     12.191  |O      |    I  |       |       |      6.87
10.500   26.74    3.18     12.355  |O      |   I   |       |       |      6.95
10.583   28.26    3.20     12.522  |O      |    I  |       |       |      7.03
10.667   32.35    3.22     12.709  |O      |      I|       |       |      7.11
10.750   33.70    3.24     12.914  |O      |       I       |       |      7.20
10.833   34.32    3.27     13.126  |O      |       I       |       |      7.30
10.917   34.66    3.30     13.341  |O      |       I       |       |      7.39
11.000   34.89    3.32     13.558  |O      |       I       |       |      7.49
11.083   34.68    3.35     13.774  |O      |       I       |       |      7.58
11.167   33.96    3.37     13.987  |O      |       I       |       |      7.68
11.250   33.68    3.40     14.197  |O      |       I       |       |      7.77
11.333   33.56    3.42     14.405  |O      |       I       |       |      7.86
```

11.417	33.49	3.45	14.612	7.96
11.500	33.45	6.68	14.808	8.04
11.583	32.73	12.05	14.971	8.11
11.667	31.00	16.08	15.094	8.16
11.750	30.46	19.05	15.185	8.19
11.833	30.56	21.38	15.255	8.22
11.917	31.27	23.32	15.314	8.25
12.000	31.45	24.96	15.364	8.27
12.083	34.15	26.55	15.413	8.29
12.167	40.69	28.76	15.480	8.32
12.250	42.85	31.40	15.560	8.35
12.333	44.32	33.88	15.636	8.38
12.417	46.05	36.18	15.706	8.41
12.500	46.81	38.26	15.769	8.43
12.583	48.14	40.13	15.826	8.46
12.667	50.73	42.02	15.884	8.48
12.750	51.56	43.88	15.940	8.50
12.833	52.44	45.53	15.990	8.52
12.917	53.84	47.08	16.037	8.54
13.000	54.37	48.50	16.081	8.56
13.083	56.93	49.96	16.125	8.58
13.167	62.75	51.97	16.186	8.61
13.250	64.65	54.35	16.259	8.63
13.333	65.56	56.54	16.325	8.66
13.417	66.10	58.43	16.383	8.69
13.500	66.46	60.02	16.432	8.71
13.583	61.72	**60.85**	**16.457**	**8.72**
13.667	49.62	59.80	16.425	8.70
13.750	45.76	57.34	16.350	8.67
13.833	44.04	54.81	16.273	8.64
13.917	43.10	52.52	16.203	8.61
14.000	42.51	50.55	16.143	8.59
14.083	43.98	49.06	16.098	8.57
14.167	48.15	48.46	16.079	8.56
14.250	49.64	48.55	16.082	8.56
14.333	49.89	48.79	16.090	8.57
14.417	49.19	48.95	16.094	8.57
14.500	49.12	48.99	16.096	8.57
14.583	49.16	49.02	16.097	8.57
14.667	49.26	49.06	16.098	8.57
14.750	49.26	49.10	16.099	8.57
14.833	48.83	49.09	16.099	8.57
14.917	47.73	48.92	16.094	8.57
15.000	47.43	48.65	16.085	8.56
15.083	46.87	48.35	16.076	8.56
15.167	45.71	47.93	16.063	8.55
15.250	45.35	47.44	16.049	8.55
15.333	44.76	46.96	16.034	8.54
15.417	43.56	46.39	16.017	8.54
15.500	43.20	45.78	15.998	8.53
15.583	41.25	45.05	15.976	8.52
15.667	36.70	43.82	15.938	8.50
15.750	35.26	42.22	15.890	8.48
15.833	34.63	40.75	15.845	8.47
15.917	34.29	39.47	15.806	8.45
16.000	34.10	38.40	15.773	8.44
16.083	28.74	36.98	15.730	8.42
16.167	15.59	33.97	15.638	8.38
16.250	11.45	29.81	15.512	8.33
16.333	9.57	25.89	15.393	8.28
16.417	8.52	22.46	15.288	8.24
16.500	7.84	19.56	15.200	8.20
16.583	7.08	17.10	15.125	8.17
16.667	5.83	14.94	15.059	8.14
16.750	5.56	13.06	15.002	8.12
16.833	5.44	11.52	14.955	8.10
16.917	5.37	10.28	14.918	8.09

17.000	5.33	9.28	14.887	I O				8.07
17.083	5.99	8.54	14.865	I O				8.06
17.167	7.67	8.19	14.854	O				8.06
17.250	8.21	8.14	14.852	O				8.06
17.333	8.45	8.18	14.854	OI				8.06
17.417	8.59	8.25	14.856	OI				8.06
17.500	8.68	8.33	14.858	O				8.06
17.583	8.74	8.41	14.861	O				8.06
17.667	8.79	8.48	14.863	O				8.06
17.750	8.79	8.54	14.865	O				8.06
17.833	8.44	8.56	14.865	O				8.06
17.917	7.59	8.45	14.862	IO				8.06
18.000	7.32	8.25	14.856	O				8.06
18.083	7.20	8.04	14.850	O				8.06
18.167	7.13	7.87	14.844	O				8.05
18.250	7.08	7.71	14.839	O				8.05
18.333	7.06	7.58	14.835	O				8.05
18.417	7.03	7.47	14.832	O				8.05
18.500	7.03	7.38	14.829	O				8.05
18.583	6.69	7.28	14.826	O				8.05
18.667	5.83	7.07	14.820	IO				8.05
18.750	5.56	6.79	14.811	IO				8.04
18.833	5.10	6.49	14.802	IO				8.04
18.917	4.17	6.12	14.791	O				8.03
19.000	3.86	5.69	14.778	IO				8.03
19.083	4.05	5.34	14.767	IO				8.02
19.167	4.81	5.15	14.761	O				8.02
19.250	5.04	5.11	14.760	O				8.02
19.333	5.48	5.14	14.761	O				8.02
19.417	6.37	5.30	14.766	OI				8.02
19.500	6.69	5.55	14.774	OI				8.03
19.583	6.49	5.76	14.780	OI				8.03
19.667	5.74	5.83	14.782	O				8.03
19.750	5.51	5.79	14.781	O				8.03
19.833	5.07	5.69	14.778	O				8.03
19.917	4.17	5.47	14.771	O				8.03
20.000	3.86	5.18	14.762	IO				8.02
20.083	4.05	4.93	14.755	IO				8.02
20.167	4.81	4.83	14.752	O				8.02
20.250	5.04	4.85	14.752	O				8.02
20.333	5.13	4.89	14.754	O				8.02
20.417	5.18	4.95	14.755	O				8.02
20.500	5.22	5.00	14.757	O				8.02
20.583	5.25	5.05	14.758	O				8.02
20.667	5.27	5.09	14.760	O				8.02
20.750	5.27	5.13	14.761	O				8.02
20.833	4.93	5.12	14.761	O				8.02
20.917	4.08	5.00	14.757	IO				8.02
21.000	3.80	4.78	14.750	IO				8.02
21.083	4.03	4.61	14.745	IO				8.01
21.167	4.81	4.57	14.744	O				8.01
21.250	5.04	4.64	14.746	O				8.01
21.333	4.79	4.69	14.748	O				8.02
21.417	3.98	4.63	14.746	IO				8.01
21.500	3.75	4.48	14.741	IO				8.01
21.583	4.00	4.35	14.737	IO				8.01
21.667	4.81	4.36	14.738	O				8.01
21.750	5.04	4.48	14.741	O				8.01
21.833	4.79	4.57	14.744	O				8.01
21.917	3.98	4.53	14.743	IO				8.01
22.000	3.75	4.39	14.738	IO				8.01
22.083	4.00	4.29	14.735	IO				8.01
22.167	4.81	4.31	14.736	O				8.01
22.250	5.04	4.44	14.740	O				8.01
22.333	4.79	4.53	14.743	O				8.01
22.417	3.98	4.50	14.742	IO				8.01
22.500	3.75	4.37	14.738	IO				8.01

22.583	3.66	4.24	14.734	|IO	|	|	|	8.01
22.667	3.61	4.11	14.730	|O	|	|	|	8.01
22.750	3.57	4.01	14.727	|O	|	|	|	8.01
22.833	3.54	3.92	14.724	|O	|	|	|	8.01
22.917	3.52	3.84	14.721	|O	|	|	|	8.00
23.000	3.52	3.77	14.719	|O	|	|	|	8.00
23.083	3.52	3.72	14.718	|O	|	|	|	8.00
23.167	3.52	3.68	14.717	|O	|	|	|	8.00
23.250	3.52	3.64	14.716	|O	|	|	|	8.00
23.333	3.52	3.62	14.715	|O	|	|	|	8.00
23.417	3.52	3.60	14.714	|O	|	|	|	8.00
23.500	3.52	3.58	14.714	|O	|	|	|	8.00
23.583	3.52	3.57	14.713	|O	|	|	|	8.00
23.667	3.52	3.56	14.713	|O	|	|	|	8.00
23.750	3.52	3.55	14.713	|O	|	|	|	8.00
23.833	3.52	3.54	14.712	|O	|	|	|	8.00
23.917	3.52	3.54	14.712	|O	|	|	|	8.00
24.000	3.52	3.53	14.712	|O	|	|	|	8.00
24.083	2.83	3.46	14.710	|O	|	|	|	8.00
24.167	1.12	3.46	14.700	IO	|	|	|	8.00
24.250	0.58	3.46	14.682	IO	|	|	|	7.99
24.333	0.33	3.45	14.661	IO	|	|	|	7.98
24.417	0.20	3.45	14.639	IO	|	|	|	7.97
24.500	0.11	3.45	14.616	IO	|	|	|	7.96
24.583	0.05	3.45	14.593	IO	|	|	|	7.95
24.667	0.00	3.44	14.570	IO	|	|	|	7.94
24.750	0.00	3.44	14.546	IO	|	|	|	7.93
24.833	0.00	3.44	14.522	IO	|	|	|	7.92
24.917	0.00	3.43	14.499	IO	|	|	|	7.91
25.000	0.00	3.43	14.475	IO	|	|	|	7.90
25.083	0.00	3.43	14.451	IO	|	|	|	7.89
25.167	0.00	3.43	14.428	IO	|	|	|	7.87
25.250	0.00	3.42	14.404	IO	|	|	|	7.86
25.333	0.00	3.42	14.381	IO	|	|	|	7.85
25.417	0.00	3.42	14.357	IO	|	|	|	7.84
25.500	0.00	3.41	14.334	IO	|	|	|	7.83
25.583	0.00	3.41	14.310	IO	|	|	|	7.82
25.667	0.00	3.41	14.287	IO	|	|	|	7.81
25.750	0.00	3.41	14.263	IO	|	|	|	7.80
25.833	0.00	3.40	14.240	IO	|	|	|	7.79
25.917	0.00	3.40	14.216	IO	|	|	|	7.78
26.000	0.00	3.40	14.193	IO	|	|	|	7.77
26.083	0.00	3.40	14.169	IO	|	|	|	7.76
26.167	0.00	3.39	14.146	IO	|	|	|	7.75
26.250	0.00	3.39	14.123	IO	|	|	|	7.74
26.333	0.00	3.39	14.099	IO	|	|	|	7.73
26.417	0.00	3.38	14.076	IO	|	|	|	7.72
26.500	0.00	3.38	14.053	IO	|	|	|	7.71
26.583	0.00	3.38	14.029	IO	|	|	|	7.70
26.667	0.00	3.38	14.006	IO	|	|	|	7.69
26.750	0.00	3.37	13.983	IO	|	|	|	7.68
26.833	0.00	3.37	13.960	IO	|	|	|	7.67
26.917	0.00	3.37	13.937	IO	|	|	|	7.66
27.000	0.00	3.36	13.913	IO	|	|	|	7.65
27.083	0.00	3.36	13.890	IO	|	|	|	7.64
27.167	0.00	3.36	13.867	IO	|	|	|	7.63
27.250	0.00	3.36	13.844	IO	|	|	|	7.62
27.333	0.00	3.35	13.821	IO	|	|	|	7.60
27.417	0.00	3.35	13.798	IO	|	|	|	7.59
27.500	0.00	3.35	13.775	IO	|	|	|	7.58
27.583	0.00	3.34	13.752	IO	|	|	|	7.57
27.667	0.00	3.34	13.729	IO	|	|	|	7.56
27.750	0.00	3.34	13.706	IO	|	|	|	7.55
27.833	0.00	3.34	13.683	IO	|	|	|	7.54
27.917	0.00	3.33	13.660	IO	|	|	|	7.53
28.000	0.00	3.33	13.637	IO	|	|	|	7.52
28.083	0.00	3.33	13.614	IO	|	|	|	7.51

28.167	0.00	3.33	13.591	IO				7.50
28.250	0.00	3.32	13.568	IO				7.49
28.333	0.00	3.32	13.545	IO				7.48
28.417	0.00	3.32	13.522	IO				7.47
28.500	0.00	3.31	13.499	IO				7.46
28.583	0.00	3.31	13.477	IO				7.45
28.667	0.00	3.31	13.454	IO				7.44
28.750	0.00	3.31	13.431	IO				7.43
28.833	0.00	3.30	13.408	IO				7.42
28.917	0.00	3.30	13.385	IO				7.41
29.000	0.00	3.30	13.363	IO				7.40
29.083	0.00	3.30	13.340	IO				7.39
29.167	0.00	3.29	13.317	IO				7.38
29.250	0.00	3.29	13.295	IO				7.37
29.333	0.00	3.29	13.272	IO				7.36
29.417	0.00	3.28	13.249	IO				7.35
29.500	0.00	3.28	13.227	IO				7.34
29.583	0.00	3.28	13.204	IO				7.33
29.667	0.00	3.28	13.182	IO				7.32
29.750	0.00	3.27	13.159	IO				7.31
29.833	0.00	3.27	13.136	IO				7.30
29.917	0.00	3.27	13.114	IO				7.29
30.000	0.00	3.27	13.091	IO				7.28
30.083	0.00	3.26	13.069	IO				7.27
30.167	0.00	3.26	13.047	IO				7.26
30.250	0.00	3.26	13.024	IO				7.25
30.333	0.00	3.25	13.002	IO				7.24
30.417	0.00	3.25	12.979	IO				7.23
30.500	0.00	3.25	12.957	IO				7.22
30.583	0.00	3.25	12.934	IO				7.21
30.667	0.00	3.24	12.912	IO				7.20
30.750	0.00	3.24	12.890	IO				7.19
30.833	0.00	3.24	12.867	IO				7.18
30.917	0.00	3.24	12.845	IO				7.17
31.000	0.00	3.23	12.823	IO				7.16
31.083	0.00	3.23	12.801	IO				7.15
31.167	0.00	3.23	12.778	IO				7.14
31.250	0.00	3.23	12.756	IO				7.13
31.333	0.00	3.22	12.734	IO				7.12
31.417	0.00	3.22	12.712	IO				7.11
31.500	0.00	3.22	12.690	IO				7.10
31.583	0.00	3.21	12.667	IO				7.09
31.667	0.00	3.21	12.645	IO				7.08
31.750	0.00	3.21	12.623	IO				7.07
31.833	0.00	3.21	12.601	IO				7.06
31.917	0.00	3.20	12.579	IO				7.05
32.000	0.00	3.20	12.557	IO				7.04
32.083	0.00	3.20	12.535	IO				7.03
32.167	0.00	3.20	12.513	IO				7.02
32.250	0.00	3.19	12.491	IO				7.01
32.333	0.00	3.19	12.469	IO				7.00
32.417	0.00	3.19	12.447	IO				6.99
32.500	0.00	3.19	12.425	IO				6.98
32.583	0.00	3.18	12.403	IO				6.97
32.667	0.00	3.18	12.381	IO				6.96
32.750	0.00	3.18	12.359	IO				6.95
32.833	0.00	3.17	12.337	IO				6.94
32.917	0.00	3.17	12.316	IO				6.93
33.000	0.00	3.17	12.294	IO				6.92
33.083	0.00	3.16	12.272	IO				6.91
33.167	0.00	3.16	12.250	IO				6.90
33.250	0.00	3.16	12.228	IO				6.89
33.333	0.00	3.15	12.207	IO				6.88
33.417	0.00	3.15	12.185	IO				6.87
33.500	0.00	3.15	12.163	IO				6.86
33.583	0.00	3.15	12.142	IO				6.85
33.667	0.00	3.14	12.120	IO				6.84

33.750	0.00	3.14	12.098	IO	|	|	|	6.83
33.833	0.00	3.14	12.077	IO	|	|	|	6.82
33.917	0.00	3.13	12.055	IO	|	|	|	6.81
34.000	0.00	3.13	12.034	IO	|	|	|	6.80
34.083	0.00	3.13	12.012	IO	|	|	|	6.79
34.167	0.00	3.12	11.991	IO	|	|	|	6.78
34.250	0.00	3.12	11.969	IO	|	|	|	6.77
34.333	0.00	3.12	11.948	IO	|	|	|	6.76
34.417	0.00	3.11	11.926	IO	|	|	|	6.75
34.500	0.00	3.11	11.905	IO	|	|	|	6.74
34.583	0.00	3.11	11.883	IO	|	|	|	6.73
34.667	0.00	3.11	11.862	IO	|	|	|	6.72
34.750	0.00	3.10	11.840	IO	|	|	|	6.71
34.833	0.00	3.10	11.819	IO	|	|	|	6.70
34.917	0.00	3.10	11.798	IO	|	|	|	6.69
35.000	0.00	3.09	11.776	IO	|	|	|	6.68
35.083	0.00	3.09	11.755	IO	|	|	|	6.67
35.167	0.00	3.09	11.734	IO	|	|	|	6.66
35.250	0.00	3.08	11.713	IO	|	|	|	6.65
35.333	0.00	3.08	11.691	IO	|	|	|	6.64
35.417	0.00	3.08	11.670	IO	|	|	|	6.63
35.500	0.00	3.08	11.649	IO	|	|	|	6.62
35.583	0.00	3.07	11.628	IO	|	|	|	6.61
35.667	0.00	3.07	11.607	IO	|	|	|	6.60
35.750	0.00	3.07	11.586	IO	|	|	|	6.59
35.833	0.00	3.06	11.564	IO	|	|	|	6.58
35.917	0.00	3.06	11.543	IO	|	|	|	6.57
36.000	0.00	3.06	11.522	IO	|	|	|	6.56
36.083	0.00	3.05	11.501	IO	|	|	|	6.55
36.167	0.00	3.05	11.480	IO	|	|	|	6.54
36.250	0.00	3.05	11.459	IO	|	|	|	6.53
36.333	0.00	3.05	11.438	IO	|	|	|	6.52
36.417	0.00	3.04	11.417	IO	|	|	|	6.51
36.500	0.00	3.04	11.396	IO	|	|	|	6.50
36.583	0.00	3.04	11.375	IO	|	|	|	6.49
36.667	0.00	3.03	11.354	IO	|	|	|	6.48
36.750	0.00	3.03	11.334	IO	|	|	|	6.47
36.833	0.00	3.03	11.313	IO	|	|	|	6.46
36.917	0.00	3.03	11.292	IO	|	|	|	6.45
37.000	0.00	3.02	11.271	IO	|	|	|	6.44
37.083	0.00	3.02	11.250	IO	|	|	|	6.43
37.167	0.00	3.02	11.229	IO	|	|	|	6.42
37.250	0.00	3.01	11.209	IO	|	|	|	6.41
37.333	0.00	3.01	11.188	IO	|	|	|	6.40
37.417	0.00	3.01	11.167	IO	|	|	|	6.39
37.500	0.00	3.00	11.146	IO	|	|	|	6.38
37.583	0.00	3.00	11.126	IO	|	|	|	6.37
37.667	0.00	3.00	11.105	IO	|	|	|	6.36
37.750	0.00	3.00	11.084	IO	|	|	|	6.35
37.833	0.00	2.99	11.064	IO	|	|	|	6.34
37.917	0.00	2.99	11.043	IO	|	|	|	6.33
38.000	0.00	2.99	11.023	IO	|	|	|	6.33
38.083	0.00	2.98	11.002	IO	|	|	|	6.32
38.167	0.00	2.98	10.982	IO	|	|	|	6.31
38.250	0.00	2.98	10.961	IO	|	|	|	6.30
38.333	0.00	2.98	10.940	IO	|	|	|	6.29
38.417	0.00	2.97	10.920	IO	|	|	|	6.28
38.500	0.00	2.97	10.900	IO	|	|	|	6.27
38.583	0.00	2.97	10.879	IO	|	|	|	6.26
38.667	0.00	2.96	10.859	IO	|	|	|	6.25
38.750	0.00	2.96	10.838	IO	|	|	|	6.24
38.833	0.00	2.96	10.818	IO	|	|	|	6.23
38.917	0.00	2.96	10.798	IO	|	|	|	6.22
39.000	0.00	2.95	10.777	IO	|	|	|	6.21
39.083	0.00	2.95	10.757	IO	|	|	|	6.20
39.167	0.00	2.95	10.737	IO	|	|	|	6.19
39.250	0.00	2.94	10.716	IO	|	|	|	6.18

39.333	0.00	2.94	10.696	IO	|	|	|	6.17
39.417	0.00	2.94	10.676	IO	|	|	|	6.16
39.500	0.00	2.94	10.655	IO	|	|	|	6.15
39.583	0.00	2.93	10.635	IO	|	|	|	6.14
39.667	0.00	2.93	10.615	IO	|	|	|	6.13
39.750	0.00	2.93	10.595	IO	|	|	|	6.12
39.833	0.00	2.92	10.575	IO	|	|	|	6.11
39.917	0.00	2.92	10.555	IO	|	|	|	6.11
40.000	0.00	2.92	10.535	IO	|	|	|	6.10
40.083	0.00	2.92	10.514	IO	|	|	|	6.09
40.167	0.00	2.91	10.494	IO	|	|	|	6.08
40.250	0.00	2.91	10.474	IO	|	|	|	6.07
40.333	0.00	2.91	10.454	IO	|	|	|	6.06
40.417	0.00	2.90	10.434	IO	|	|	|	6.05
40.500	0.00	2.90	10.414	IO	|	|	|	6.04
40.583	0.00	2.90	10.394	IO	|	|	|	6.03
40.667	0.00	2.90	10.374	IO	|	|	|	6.02
40.750	0.00	2.89	10.354	IO	|	|	|	6.01
40.833	0.00	2.89	10.334	IO	|	|	|	6.00
40.917	0.00	2.89	10.315	IO	|	|	|	5.99
41.000	0.00	2.88	10.295	IO	|	|	|	5.98
41.083	0.00	2.88	10.275	IO	|	|	|	5.97
41.167	0.00	2.88	10.255	IO	|	|	|	5.96
41.250	0.00	2.87	10.235	IO	|	|	|	5.95
41.333	0.00	2.87	10.215	IO	|	|	|	5.94
41.417	0.00	2.87	10.196	IO	|	|	|	5.93
41.500	0.00	2.86	10.176	IO	|	|	|	5.92
41.583	0.00	2.86	10.156	IO	|	|	|	5.91
41.667	0.00	2.86	10.137	IO	|	|	|	5.90
41.750	0.00	2.85	10.117	IO	|	|	|	5.89
41.833	0.00	2.85	10.097	IO	|	|	|	5.88
41.917	0.00	2.85	10.078	IO	|	|	|	5.87
42.000	0.00	2.85	10.058	IO	|	|	|	5.86
42.083	0.00	2.84	10.038	IO	|	|	|	5.85
42.167	0.00	2.84	10.019	IO	|	|	|	5.84
42.250	0.00	2.84	9.999	IO	|	|	|	5.83
42.333	0.00	2.83	9.980	IO	|	|	|	5.82
42.417	0.00	2.83	9.960	IO	|	|	|	5.82
42.500	0.00	2.83	9.941	IO	|	|	|	5.81
42.583	0.00	2.82	9.921	IO	|	|	|	5.80
42.667	0.00	2.82	9.902	IO	|	|	|	5.79
42.750	0.00	2.82	9.883	IO	|	|	|	5.78
42.833	0.00	2.81	9.863	IO	|	|	|	5.77
42.917	0.00	2.81	9.844	IO	|	|	|	5.76
43.000	0.00	2.81	9.824	IO	|	|	|	5.75
43.083	0.00	2.80	9.805	IO	|	|	|	5.74
43.167	0.00	2.80	9.786	IO	|	|	|	5.73
43.250	0.00	2.80	9.767	IO	|	|	|	5.72
43.333	0.00	2.79	9.747	IO	|	|	|	5.71
43.417	0.00	2.79	9.728	IO	|	|	|	5.70
43.500	0.00	2.79	9.709	IO	|	|	|	5.69
43.583	0.00	2.78	9.690	IO	|	|	|	5.68
43.667	0.00	2.78	9.670	IO	|	|	|	5.67
43.750	0.00	2.78	9.651	IO	|	|	|	5.66
43.833	0.00	2.77	9.632	IO	|	|	|	5.65
43.917	0.00	2.77	9.613	IO	|	|	|	5.64
44.000	0.00	2.77	9.594	IO	|	|	|	5.63
44.083	0.00	2.77	9.575	IO	|	|	|	5.62
44.167	0.00	2.76	9.556	IO	|	|	|	5.61
44.250	0.00	2.76	9.537	IO	|	|	|	5.60
44.333	0.00	2.76	9.518	IO	|	|	|	5.59
44.417	0.00	2.75	9.499	IO	|	|	|	5.58
44.500	0.00	2.75	9.480	IO	|	|	|	5.58
44.583	0.00	2.75	9.461	IO	|	|	|	5.57
44.667	0.00	2.74	9.442	IO	|	|	|	5.56
44.750	0.00	2.74	9.423	IO	|	|	|	5.55
44.833	0.00	2.74	9.404	IO	|	|	|	5.54

44.917	0.00	2.73	9.386	IO				5.53
45.000	0.00	2.73	9.367	IO				5.52
45.083	0.00	2.73	9.348	IO				5.51
45.167	0.00	2.72	9.329	IO				5.50
45.250	0.00	2.72	9.310	IO				5.49
45.333	0.00	2.72	9.292	IO				5.48
45.417	0.00	2.72	9.273	IO				5.47
45.500	0.00	2.71	9.254	IO				5.46
45.583	0.00	2.71	9.236	IO				5.45
45.667	0.00	2.71	9.217	IO				5.44
45.750	0.00	2.70	9.198	IO				5.43
45.833	0.00	2.70	9.180	IO				5.42
45.917	0.00	2.70	9.161	IO				5.42
46.000	0.00	2.69	9.143	IO				5.41
46.083	0.00	2.69	9.124	IO				5.40
46.167	0.00	2.69	9.106	IO				5.39
46.250	0.00	2.68	9.087	IO				5.38
46.333	0.00	2.68	9.069	IO				5.37
46.417	0.00	2.68	9.050	IO				5.36
46.500	0.00	2.68	9.032	IO				5.35
46.583	0.00	2.67	9.013	IO				5.34
46.667	0.00	2.67	8.995	IO				5.33
46.750	0.00	2.67	8.976	IO				5.32
46.833	0.00	2.66	8.958	IO				5.31
46.917	0.00	2.66	8.940	IO				5.30
47.000	0.00	2.66	8.921	IO				5.30
47.083	0.00	2.65	8.903	IO				5.29
47.167	0.00	2.65	8.885	IO				5.28
47.250	0.00	2.65	8.867	IO				5.27
47.333	0.00	2.65	8.848	IO				5.26
47.417	0.00	2.64	8.830	IO				5.25
47.500	0.00	2.64	8.812	IO				5.24
47.583	0.00	2.64	8.794	IO				5.23
47.667	0.00	2.63	8.776	IO				5.22
47.750	0.00	2.63	8.758	IO				5.21
47.833	0.00	2.63	8.739	IO				5.20
47.917	0.00	2.62	8.721	IO				5.20
48.000	0.00	2.62	8.703	IO				5.19
48.083	0.00	2.62	8.685	IO				5.18
48.167	0.00	2.62	8.667	IO				5.17
48.250	0.00	2.61	8.649	IO				5.16
48.333	0.00	2.61	8.631	IO				5.15
48.417	0.00	2.61	8.613	IO				5.14
48.500	0.00	2.60	8.595	IO				5.13
48.583	0.00	2.60	8.577	IO				5.12
48.667	0.00	2.60	8.560	IO				5.11
48.750	0.00	2.59	8.542	IO				5.11
48.833	0.00	2.59	8.524	IO				5.10
48.917	0.00	2.59	8.506	IO				5.09
49.000	0.00	2.59	8.488	IO				5.08
49.083	0.00	2.58	8.470	IO				5.07
49.167	0.00	2.58	8.453	IO				5.06
49.250	0.00	2.58	8.435	IO				5.05
49.333	0.00	2.57	8.417	IO				5.04
49.417	0.00	2.57	8.399	IO				5.03
49.500	0.00	2.57	8.382	IO				5.03
49.583	0.00	2.57	8.364	IO				5.02
49.667	0.00	2.56	8.346	IO				5.01
49.750	0.00	2.56	8.329	IO				5.00
49.833	0.00	2.56	8.311	IO				4.99
49.917	0.00	2.55	8.293	IO				4.98
50.000	0.00	2.55	8.276	IO				4.97
50.083	0.00	2.55	8.258	IO				4.96
50.167	0.00	2.54	8.241	IO				4.95
50.250	0.00	2.54	8.223	IO				4.94
50.333	0.00	2.53	8.206	IO				4.93
50.417	0.00	2.53	8.188	IO				4.93

50.500	0.00	2.53	8.171	IO	|	|	|	|	4.92
50.583	0.00	2.52	8.154	IO	|	|	|	|	4.91
50.667	0.00	2.52	8.136	IO	|	|	|	|	4.90
50.750	0.00	2.52	8.119	IO	|	|	|	|	4.89
50.833	0.00	2.51	8.102	IO	|	|	|	|	4.88
50.917	0.00	2.51	8.084	IO	|	|	|	|	4.87
51.000	0.00	2.51	8.067	IO	|	|	|	|	4.86
51.083	0.00	2.50	8.050	IO	|	|	|	|	4.85
51.167	0.00	2.50	8.033	IO	|	|	|	|	4.84
51.250	0.00	2.50	8.015	IO	|	|	|	|	4.83
51.333	0.00	2.49	7.998	IO	|	|	|	|	4.82
51.417	0.00	2.49	7.981	IO	|	|	|	|	4.82
51.500	0.00	2.48	7.964	IO	|	|	|	|	4.81
51.583	0.00	2.48	7.947	IO	|	|	|	|	4.80
51.667	0.00	2.48	7.930	IO	|	|	|	|	4.79
51.750	0.00	2.47	7.913	IO	|	|	|	|	4.78
51.833	0.00	2.47	7.896	IO	|	|	|	|	4.77
51.917	0.00	2.47	7.879	IO	|	|	|	|	4.76
52.000	0.00	2.46	7.862	IO	|	|	|	|	4.75
52.083	0.00	2.46	7.845	IO	|	|	|	|	4.74
52.167	0.00	2.46	7.828	IO	|	|	|	|	4.73
52.250	0.00	2.45	7.811	IO	|	|	|	|	4.73
52.333	0.00	2.45	7.794	IO	|	|	|	|	4.72
52.417	0.00	2.45	7.777	IO	|	|	|	|	4.71
52.500	0.00	2.44	7.760	IO	|	|	|	|	4.70
52.583	0.00	2.44	7.744	IO	|	|	|	|	4.69
52.667	0.00	2.44	7.727	IO	|	|	|	|	4.68
52.750	0.00	2.43	7.710	IO	|	|	|	|	4.67
52.833	0.00	2.43	7.693	IO	|	|	|	|	4.66
52.917	0.00	2.43	7.677	IO	|	|	|	|	4.65
53.000	0.00	2.42	7.660	IO	|	|	|	|	4.65
53.083	0.00	2.42	7.643	IO	|	|	|	|	4.64
53.167	0.00	2.41	7.627	IO	|	|	|	|	4.63
53.250	0.00	2.41	7.610	IO	|	|	|	|	4.62
53.333	0.00	2.41	7.593	IO	|	|	|	|	4.61
53.417	0.00	2.40	7.577	IO	|	|	|	|	4.60
53.500	0.00	2.40	7.560	IO	|	|	|	|	4.59
53.583	0.00	2.40	7.544	IO	|	|	|	|	4.58
53.667	0.00	2.39	7.527	IO	|	|	|	|	4.58
53.750	0.00	2.39	7.511	IO	|	|	|	|	4.57
53.833	0.00	2.39	7.494	IO	|	|	|	|	4.56
53.917	0.00	2.38	7.478	IO	|	|	|	|	4.55
54.000	0.00	2.38	7.461	IO	|	|	|	|	4.54
54.083	0.00	2.38	7.445	IO	|	|	|	|	4.53
54.167	0.00	2.37	7.429	IO	|	|	|	|	4.52
54.250	0.00	2.37	7.412	IO	|	|	|	|	4.51
54.333	0.00	2.37	7.396	IO	|	|	|	|	4.51
54.417	0.00	2.36	7.380	IO	|	|	|	|	4.50
54.500	0.00	2.36	7.363	IO	|	|	|	|	4.49
54.583	0.00	2.36	7.347	IO	|	|	|	|	4.48
54.667	0.00	2.35	7.331	IO	|	|	|	|	4.47
54.750	0.00	2.35	7.315	IO	|	|	|	|	4.46
54.833	0.00	2.35	7.299	IO	|	|	|	|	4.45
54.917	0.00	2.34	7.282	IO	|	|	|	|	4.45
55.000	0.00	2.34	7.266	IO	|	|	|	|	4.44
55.083	0.00	2.34	7.250	IO	|	|	|	|	4.43
55.167	0.00	2.33	7.234	IO	|	|	|	|	4.42
55.250	0.00	2.33	7.218	IO	|	|	|	|	4.41
55.333	0.00	2.33	7.202	IO	|	|	|	|	4.40
55.417	0.00	2.32	7.186	IO	|	|	|	|	4.39
55.500	0.00	2.32	7.170	IO	|	|	|	|	4.39
55.583	0.00	2.32	7.154	IO	|	|	|	|	4.38
55.667	0.00	2.31	7.138	IO	|	|	|	|	4.37
55.750	0.00	2.31	7.122	IO	|	|	|	|	4.36
55.833	0.00	2.31	7.106	IO	|	|	|	|	4.35
55.917	0.00	2.30	7.090	IO	|	|	|	|	4.34
56.000	0.00	2.30	7.075	IO	|	|	|	|	4.34

56.083	0.00	2.30	7.059	IO				4.33
56.167	0.00	2.29	7.043	IO				4.32
56.250	0.00	2.29	7.027	IO				4.31
56.333	0.00	2.29	7.011	IO				4.30
56.417	0.00	2.28	6.996	IO				4.29
56.500	0.00	2.28	6.980	IO				4.29
56.583	0.00	2.28	6.964	IO				4.28
56.667	0.00	2.27	6.948	IO				4.27
56.750	0.00	2.27	6.933	IO				4.26
56.833	0.00	2.27	6.917	IO				4.25
56.917	0.00	2.27	6.902	IO				4.24
57.000	0.00	2.26	6.886	IO				4.24
57.083	0.00	2.26	6.870	IO				4.23
57.167	0.00	2.26	6.855	IO				4.22
57.250	0.00	2.25	6.839	IO				4.21
57.333	0.00	2.25	6.824	IO				4.20
57.417	0.00	2.25	6.808	IO				4.19
57.500	0.00	2.24	6.793	IO				4.19
57.583	0.00	2.24	6.777	IO				4.18
57.667	0.00	2.24	6.762	IO				4.17
57.750	0.00	2.23	6.747	IO				4.16
57.833	0.00	2.23	6.731	IO				4.15
57.917	0.00	2.23	6.716	IO				4.15
58.000	0.00	2.22	6.701	IO				4.14
58.083	0.00	2.22	6.685	IO				4.13
58.167	0.00	2.22	6.670	IO				4.12
58.250	0.00	2.21	6.655	IO				4.11
58.333	0.00	2.21	6.640	IO				4.11
58.417	0.00	2.21	6.624	IO				4.10
58.500	0.00	2.20	6.609	IO				4.09
58.583	0.00	2.20	6.594	IO				4.08
58.667	0.00	2.20	6.579	IO				4.07
58.750	0.00	2.20	6.564	IO				4.07
58.833	0.00	2.19	6.549	IO				4.06
58.917	0.00	2.19	6.533	IO				4.05
59.000	0.00	2.19	6.518	IO				4.04
59.083	0.00	2.18	6.503	IO				4.03
59.167	0.00	2.18	6.488	IO				4.03
59.250	0.00	2.18	6.473	IO				4.02
59.333	0.00	2.17	6.458	IO				4.01
59.417	0.00	2.17	6.443	IO				4.00
59.500	0.00	2.17	6.428	IO				3.99
59.583	0.00	2.16	6.414	IO				3.99
59.667	0.00	2.16	6.399	IO				3.98
59.750	0.00	2.15	6.384	IO				3.97
59.833	0.00	2.15	6.369	IO				3.96
59.917	0.00	2.15	6.354	IO				3.95
60.000	0.00	2.14	6.339	IO				3.94
60.083	0.00	2.14	6.325	IO				3.94
60.167	0.00	2.13	6.310	IO				3.93
60.250	0.00	2.13	6.295	IO				3.92
60.333	0.00	2.13	6.281	IO				3.91
60.417	0.00	2.12	6.266	IO				3.90
60.500	0.00	2.12	6.251	IO				3.89
60.583	0.00	2.12	6.237	IO				3.89
60.667	0.00	2.11	6.222	IO				3.88
60.750	0.00	2.11	6.208	IO				3.87
60.833	0.00	2.10	6.193	IO				3.86
60.917	0.00	2.10	6.179	IO				3.85
61.000	0.00	2.10	6.164	IO				3.85
61.083	0.00	2.09	6.150	IO				3.84
61.167	0.00	2.09	6.135	IO				3.83
61.250	0.00	2.08	6.121	IO				3.82
61.333	0.00	2.08	6.107	IO				3.81
61.417	0.00	2.08	6.092	O				3.80
61.500	0.00	2.07	6.078	O				3.80
61.583	0.00	2.07	6.064	O				3.79

61.667	0.00	2.06	6.050	O	|	|	|	|	3.78
61.750	0.00	2.06	6.035	O	|	|	|	|	3.77
61.833	0.00	2.06	6.021	O	|	|	|	|	3.76
61.917	0.00	2.05	6.007	O	|	|	|	|	3.76
62.000	0.00	2.05	5.993	O	|	|	|	|	3.75
62.083	0.00	2.05	5.979	O	|	|	|	|	3.74
62.167	0.00	2.04	5.965	O	|	|	|	|	3.73
62.250	0.00	2.04	5.951	O	|	|	|	|	3.73
62.333	0.00	2.03	5.937	O	|	|	|	|	3.72
62.417	0.00	2.03	5.923	O	|	|	|	|	3.71
62.500	0.00	2.03	5.909	O	|	|	|	|	3.70
62.583	0.00	2.02	5.895	O	|	|	|	|	3.69
62.667	0.00	2.02	5.881	O	|	|	|	|	3.69
62.750	0.00	2.02	5.867	O	|	|	|	|	3.68
62.833	0.00	2.01	5.853	O	|	|	|	|	3.67
62.917	0.00	2.01	5.839	O	|	|	|	|	3.66
63.000	0.00	2.00	5.825	O	|	|	|	|	3.65
63.083	0.00	2.00	5.812	O	|	|	|	|	3.65
63.167	0.00	2.00	5.798	O	|	|	|	|	3.64
63.250	0.00	1.99	5.784	O	|	|	|	|	3.63
63.333	0.00	1.99	5.770	O	|	|	|	|	3.62
63.417	0.00	1.99	5.757	O	|	|	|	|	3.62
63.500	0.00	1.98	5.743	O	|	|	|	|	3.61
63.583	0.00	1.98	5.729	O	|	|	|	|	3.60
63.667	0.00	1.97	5.716	O	|	|	|	|	3.59
63.750	0.00	1.97	5.702	O	|	|	|	|	3.59
63.833	0.00	1.97	5.689	O	|	|	|	|	3.58
63.917	0.00	1.96	5.675	O	|	|	|	|	3.57
64.000	0.00	1.96	5.662	O	|	|	|	|	3.56
64.083	0.00	1.96	5.648	O	|	|	|	|	3.56
64.167	0.00	1.95	5.635	O	|	|	|	|	3.55
64.250	0.00	1.95	5.621	O	|	|	|	|	3.54
64.333	0.00	1.95	5.608	O	|	|	|	|	3.53
64.417	0.00	1.94	5.594	O	|	|	|	|	3.52
64.500	0.00	1.94	5.581	O	|	|	|	|	3.52
64.583	0.00	1.93	5.568	O	|	|	|	|	3.51
64.667	0.00	1.93	5.554	O	|	|	|	|	3.50
64.750	0.00	1.93	5.541	O	|	|	|	|	3.50
64.833	0.00	1.92	5.528	O	|	|	|	|	3.49
64.917	0.00	1.92	5.515	O	|	|	|	|	3.48
65.000	0.00	1.92	5.501	O	|	|	|	|	3.47
65.083	0.00	1.91	5.488	O	|	|	|	|	3.47
65.167	0.00	1.91	5.475	O	|	|	|	|	3.46
65.250	0.00	1.91	5.462	O	|	|	|	|	3.45
65.333	0.00	1.90	5.449	O	|	|	|	|	3.44
65.417	0.00	1.90	5.436	O	|	|	|	|	3.44
65.500	0.00	1.90	5.423	O	|	|	|	|	3.43
65.583	0.00	1.89	5.410	O	|	|	|	|	3.42
65.667	0.00	1.89	5.397	O	|	|	|	|	3.41
65.750	0.00	1.89	5.384	O	|	|	|	|	3.41
65.833	0.00	1.88	5.371	O	|	|	|	|	3.40
65.917	0.00	1.88	5.358	O	|	|	|	|	3.39
66.000	0.00	1.87	5.345	O	|	|	|	|	3.38
66.083	0.00	1.87	5.332	O	|	|	|	|	3.38
66.167	0.00	1.87	5.319	O	|	|	|	|	3.37
66.250	0.00	1.86	5.306	O	|	|	|	|	3.36
66.333	0.00	1.86	5.293	O	|	|	|	|	3.36
66.417	0.00	1.86	5.281	O	|	|	|	|	3.35
66.500	0.00	1.85	5.268	O	|	|	|	|	3.34
66.583	0.00	1.85	5.255	O	|	|	|	|	3.33
66.667	0.00	1.85	5.242	O	|	|	|	|	3.33
66.750	0.00	1.84	5.230	O	|	|	|	|	3.32
66.833	0.00	1.84	5.217	O	|	|	|	|	3.31
66.917	0.00	1.84	5.204	O	|	|	|	|	3.31
67.000	0.00	1.83	5.192	O	|	|	|	|	3.30
67.083	0.00	1.83	5.179	O	|	|	|	|	3.29
67.167	0.00	1.83	5.166	O	|	|	|	|	3.28

67.250	0.00	1.82	5.154	O	|	|	|	|	3.28
67.333	0.00	1.82	5.141	O	|	|	|	|	3.27
67.417	0.00	1.82	5.129	O	|	|	|	|	3.26
67.500	0.00	1.81	5.116	O	|	|	|	|	3.26
67.583	0.00	1.81	5.104	O	|	|	|	|	3.25
67.667	0.00	1.81	5.091	O	|	|	|	|	3.24
67.750	0.00	1.80	5.079	O	|	|	|	|	3.24
67.833	0.00	1.80	5.066	O	|	|	|	|	3.23
67.917	0.00	1.80	5.054	O	|	|	|	|	3.22
68.000	0.00	1.79	5.042	O	|	|	|	|	3.21
68.083	0.00	1.79	5.029	O	|	|	|	|	3.21
68.167	0.00	1.79	5.017	O	|	|	|	|	3.20
68.250	0.00	1.78	5.005	O	|	|	|	|	3.19
68.333	0.00	1.78	4.993	O	|	|	|	|	3.19
68.417	0.00	1.78	4.980	O	|	|	|	|	3.18
68.500	0.00	1.77	4.968	O	|	|	|	|	3.17
68.583	0.00	1.77	4.956	O	|	|	|	|	3.17
68.667	0.00	1.77	4.944	O	|	|	|	|	3.16
68.750	0.00	1.76	4.932	O	|	|	|	|	3.15
68.833	0.00	1.76	4.919	O	|	|	|	|	3.15
68.917	0.00	1.76	4.907	O	|	|	|	|	3.14
69.000	0.00	1.75	4.895	O	|	|	|	|	3.13
69.083	0.00	1.75	4.883	O	|	|	|	|	3.13
69.167	0.00	1.75	4.871	O	|	|	|	|	3.12
69.250	0.00	1.74	4.859	O	|	|	|	|	3.11
69.333	0.00	1.74	4.847	O	|	|	|	|	3.11
69.417	0.00	1.74	4.835	O	|	|	|	|	3.10
69.500	0.00	1.73	4.823	O	|	|	|	|	3.09
69.583	0.00	1.73	4.811	O	|	|	|	|	3.08
69.667	0.00	1.73	4.799	O	|	|	|	|	3.08
69.750	0.00	1.72	4.787	O	|	|	|	|	3.07
69.833	0.00	1.72	4.776	O	|	|	|	|	3.06
69.917	0.00	1.72	4.764	O	|	|	|	|	3.06
70.000	0.00	1.71	4.752	O	|	|	|	|	3.05
70.083	0.00	1.71	4.740	O	|	|	|	|	3.04
70.167	0.00	1.71	4.728	O	|	|	|	|	3.04
70.250	0.00	1.71	4.717	O	|	|	|	|	3.03
70.333	0.00	1.70	4.705	O	|	|	|	|	3.03
70.417	0.00	1.70	4.693	O	|	|	|	|	3.02
70.500	0.00	1.70	4.681	O	|	|	|	|	3.01
70.583	0.00	1.69	4.670	O	|	|	|	|	3.01
70.667	0.00	1.69	4.658	O	|	|	|	|	3.00
70.750	0.00	1.68	4.647	O	|	|	|	|	2.99
70.833	0.00	1.68	4.635	O	|	|	|	|	2.98
70.917	0.00	1.67	4.623	O	|	|	|	|	2.98
71.000	0.00	1.66	4.612	O	|	|	|	|	2.97
71.083	0.00	1.65	4.601	O	|	|	|	|	2.96
71.167	0.00	1.65	4.589	O	|	|	|	|	2.96
71.250	0.00	1.64	4.578	O	|	|	|	|	2.95
71.333	0.00	1.63	4.567	O	|	|	|	|	2.94
71.417	0.00	1.63	4.555	O	|	|	|	|	2.94
71.500	0.00	1.62	4.544	O	|	|	|	|	2.93
71.583	0.00	1.62	4.533	O	|	|	|	|	2.92
71.667	0.00	1.61	4.522	O	|	|	|	|	2.92
71.750	0.00	1.60	4.511	O	|	|	|	|	2.91
71.833	0.00	1.60	4.500	O	|	|	|	|	2.90
71.917	0.00	1.59	4.489	O	|	|	|	|	2.90
72.000	0.00	1.58	4.478	O	|	|	|	|	2.89
72.083	0.00	1.58	4.467	O	|	|	|	|	2.88
72.167	0.00	1.57	4.456	O	|	|	|	|	2.88
72.250	0.00	1.56	4.445	O	|	|	|	|	2.87
72.333	0.00	1.56	4.435	O	|	|	|	|	2.86
72.417	0.00	1.55	4.424	O	|	|	|	|	2.86
72.500	0.00	1.54	4.413	O	|	|	|	|	2.85
72.583	0.00	1.54	4.403	O	|	|	|	|	2.85
72.667	0.00	1.53	4.392	O	|	|	|	|	2.84
72.750	0.00	1.53	4.382	O	|	|	|	|	2.83

72.833	0.00	1.52	4.371	O	|	|	|	|	2.83
72.917	0.00	1.51	4.361	O	|	|	|	|	2.82
73.000	0.00	1.51	4.350	O	|	|	|	|	2.81
73.083	0.00	1.50	4.340	O	|	|	|	|	2.81
73.167	0.00	1.49	4.330	O	|	|	|	|	2.80
73.250	0.00	1.49	4.319	O	|	|	|	|	2.79
73.333	0.00	1.48	4.309	O	|	|	|	|	2.79
73.417	0.00	1.48	4.299	O	|	|	|	|	2.78
73.500	0.00	1.47	4.289	O	|	|	|	|	2.78
73.583	0.00	1.46	4.279	O	|	|	|	|	2.77
73.667	0.00	1.46	4.269	O	|	|	|	|	2.76
73.750	0.00	1.45	4.259	O	|	|	|	|	2.76
73.833	0.00	1.45	4.249	O	|	|	|	|	2.75
73.917	0.00	1.44	4.239	O	|	|	|	|	2.75
74.000	0.00	1.44	4.229	O	|	|	|	|	2.74
74.083	0.00	1.43	4.219	O	|	|	|	|	2.73
74.167	0.00	1.42	4.209	O	|	|	|	|	2.73
74.250	0.00	1.42	4.199	O	|	|	|	|	2.72
74.333	0.00	1.41	4.189	O	|	|	|	|	2.72
74.417	0.00	1.41	4.180	O	|	|	|	|	2.71
74.500	0.00	1.40	4.170	O	|	|	|	|	2.70
74.583	0.00	1.40	4.160	O	|	|	|	|	2.70
74.667	0.00	1.39	4.151	O	|	|	|	|	2.69
74.750	0.00	1.38	4.141	O	|	|	|	|	2.69
74.833	0.00	1.38	4.132	O	|	|	|	|	2.68
74.917	0.00	1.37	4.122	O	|	|	|	|	2.68
75.000	0.00	1.37	4.113	O	|	|	|	|	2.67
75.083	0.00	1.36	4.104	O	|	|	|	|	2.66
75.167	0.00	1.36	4.094	O	|	|	|	|	2.66
75.250	0.00	1.35	4.085	O	|	|	|	|	2.65
75.333	0.00	1.34	4.076	O	|	|	|	|	2.65
75.417	0.00	1.34	4.066	O	|	|	|	|	2.64
75.500	0.00	1.33	4.057	O	|	|	|	|	2.64
75.583	0.00	1.33	4.048	O	|	|	|	|	2.63
75.667	0.00	1.32	4.039	O	|	|	|	|	2.63
75.750	0.00	1.32	4.030	O	|	|	|	|	2.62
75.833	0.00	1.31	4.021	O	|	|	|	|	2.61
75.917	0.00	1.31	4.012	O	|	|	|	|	2.61
76.000	0.00	1.30	4.003	O	|	|	|	|	2.60
76.083	0.00	1.30	3.994	O	|	|	|	|	2.60
76.167	0.00	1.29	3.985	O	|	|	|	|	2.59
76.250	0.00	1.29	3.976	O	|	|	|	|	2.59
76.333	0.00	1.28	3.967	O	|	|	|	|	2.58
76.417	0.00	1.28	3.958	O	|	|	|	|	2.58
76.500	0.00	1.27	3.950	O	|	|	|	|	2.57
76.583	0.00	1.27	3.941	O	|	|	|	|	2.57
76.667	0.00	1.26	3.932	O	|	|	|	|	2.56
76.750	0.00	1.26	3.923	O	|	|	|	|	2.56
76.833	0.00	1.25	3.915	O	|	|	|	|	2.55
76.917	0.00	1.24	3.906	O	|	|	|	|	2.55
77.000	0.00	1.24	3.898	O	|	|	|	|	2.54
77.083	0.00	1.23	3.889	O	|	|	|	|	2.54
77.167	0.00	1.23	3.881	O	|	|	|	|	2.53
77.250	0.00	1.22	3.872	O	|	|	|	|	2.53
77.333	0.00	1.22	3.864	O	|	|	|	|	2.52
77.417	0.00	1.21	3.855	O	|	|	|	|	2.52
77.500	0.00	1.21	3.847	O	|	|	|	|	2.51
77.583	0.00	1.21	3.839	O	|	|	|	|	2.51
77.667	0.00	1.20	3.830	O	|	|	|	|	2.50
77.750	0.00	1.20	3.822	O	|	|	|	|	2.50
77.833	0.00	1.19	3.814	O	|	|	|	|	2.49
77.917	0.00	1.19	3.806	O	|	|	|	|	2.49
78.000	0.00	1.18	3.798	O	|	|	|	|	2.48
78.083	0.00	1.18	3.790	O	|	|	|	|	2.48
78.167	0.00	1.17	3.781	O	|	|	|	|	2.47
78.250	0.00	1.17	3.773	O	|	|	|	|	2.47
78.333	0.00	1.16	3.765	O	|	|	|	|	2.46

78.417	0.00	1.16	3.757	O	|	|	|	|	2.46
78.500	0.00	1.15	3.749	O	|	|	|	|	2.45
78.583	0.00	1.15	3.742	O	|	|	|	|	2.45
78.667	0.00	1.14	3.734	O	|	|	|	|	2.44
78.750	0.00	1.14	3.726	O	|	|	|	|	2.44
78.833	0.00	1.13	3.718	O	|	|	|	|	2.43
78.917	0.00	1.13	3.710	O	|	|	|	|	2.43
79.000	0.00	1.12	3.702	O	|	|	|	|	2.42
79.083	0.00	1.12	3.695	O	|	|	|	|	2.42
79.167	0.00	1.12	3.687	O	|	|	|	|	2.41
79.250	0.00	1.11	3.679	O	|	|	|	|	2.41
79.333	0.00	1.11	3.672	O	|	|	|	|	2.40
79.417	0.00	1.10	3.664	O	|	|	|	|	2.40
79.500	0.00	1.10	3.656	O	|	|	|	|	2.40
79.583	0.00	1.09	3.649	O	|	|	|	|	2.39
79.667	0.00	1.09	3.641	O	|	|	|	|	2.39
79.750	0.00	1.08	3.634	O	|	|	|	|	2.38
79.833	0.00	1.08	3.626	O	|	|	|	|	2.38
79.917	0.00	1.08	3.619	O	|	|	|	|	2.37
80.000	0.00	1.07	3.612	O	|	|	|	|	2.37
80.083	0.00	1.07	3.604	O	|	|	|	|	2.36
80.167	0.00	1.06	3.597	O	|	|	|	|	2.36
80.250	0.00	1.06	3.590	O	|	|	|	|	2.36
80.333	0.00	1.05	3.582	O	|	|	|	|	2.35
80.417	0.00	1.05	3.575	O	|	|	|	|	2.35
80.500	0.00	1.05	3.568	O	|	|	|	|	2.34
80.583	0.00	1.04	3.561	O	|	|	|	|	2.34
80.667	0.00	1.04	3.554	O	|	|	|	|	2.33
80.750	0.00	1.03	3.546	O	|	|	|	|	2.33
80.833	0.00	1.03	3.539	O	|	|	|	|	2.32
80.917	0.00	1.02	3.532	O	|	|	|	|	2.32
81.000	0.00	1.02	3.525	O	|	|	|	|	2.32
81.083	0.00	1.02	3.518	O	|	|	|	|	2.31
81.167	0.00	1.01	3.511	O	|	|	|	|	2.31
81.250	0.00	1.01	3.504	O	|	|	|	|	2.30
81.333	0.00	1.00	3.497	O	|	|	|	|	2.30
81.417	0.00	1.00	3.491	O	|	|	|	|	2.30
81.500	0.00	1.00	3.484	O	|	|	|	|	2.29
81.583	0.00	0.99	3.477	O	|	|	|	|	2.29
81.667	0.00	0.99	3.470	O	|	|	|	|	2.28
81.750	0.00	0.98	3.463	O	|	|	|	|	2.28
81.833	0.00	0.98	3.456	O	|	|	|	|	2.27
81.917	0.00	0.98	3.450	O	|	|	|	|	2.27
82.000	0.00	0.97	3.443	O	|	|	|	|	2.27
82.083	0.00	0.97	3.436	O	|	|	|	|	2.26
82.167	0.00	0.96	3.430	O	|	|	|	|	2.26
82.250	0.00	0.96	3.423	O	|	|	|	|	2.25
82.333	0.00	0.96	3.416	O	|	|	|	|	2.25
82.417	0.00	0.95	3.410	O	|	|	|	|	2.25
82.500	0.00	0.95	3.403	O	|	|	|	|	2.24
82.583	0.00	0.94	3.397	O	|	|	|	|	2.24
82.667	0.00	0.94	3.390	O	|	|	|	|	2.24
82.750	0.00	0.94	3.384	O	|	|	|	|	2.23
82.833	0.00	0.93	3.377	O	|	|	|	|	2.23
82.917	0.00	0.93	3.371	O	|	|	|	|	2.22
83.000	0.00	0.93	3.365	O	|	|	|	|	2.22
83.083	0.00	0.92	3.358	O	|	|	|	|	2.22
83.167	0.00	0.92	3.352	O	|	|	|	|	2.21
83.250	0.00	0.91	3.346	O	|	|	|	|	2.21
83.333	0.00	0.91	3.339	O	|	|	|	|	2.20
83.417	0.00	0.91	3.333	O	|	|	|	|	2.20
83.500	0.00	0.90	3.327	O	|	|	|	|	2.20
83.583	0.00	0.90	3.321	O	|	|	|	|	2.19
83.667	0.00	0.90	3.314	O	|	|	|	|	2.19
83.750	0.00	0.89	3.308	O	|	|	|	|	2.19
83.833	0.00	0.89	3.302	O	|	|	|	|	2.18
83.917	0.00	0.88	3.296	O	|	|	|	|	2.18

84.000	0.00	0.88	3.290	O	|	|	|	|	2.17
84.083	0.00	0.88	3.284	O	|	|	|	|	2.17
84.167	0.00	0.87	3.278	O	|	|	|	|	2.17
84.250	0.00	0.87	3.272	O	|	|	|	|	2.16
84.333	0.00	0.87	3.266	O	|	|	|	|	2.16
84.417	0.00	0.86	3.260	O	|	|	|	|	2.16
84.500	0.00	0.86	3.254	O	|	|	|	|	2.15
84.583	0.00	0.86	3.248	O	|	|	|	|	2.15
84.667	0.00	0.85	3.242	O	|	|	|	|	2.15
84.750	0.00	0.85	3.236	O	|	|	|	|	2.14
84.833	0.00	0.85	3.231	O	|	|	|	|	2.14
84.917	0.00	0.84	3.225	O	|	|	|	|	2.14
85.000	0.00	0.84	3.219	O	|	|	|	|	2.13
85.083	0.00	0.84	3.213	O	|	|	|	|	2.13
85.167	0.00	0.83	3.207	O	|	|	|	|	2.12
85.250	0.00	0.83	3.202	O	|	|	|	|	2.12
85.333	0.00	0.83	3.196	O	|	|	|	|	2.12
85.417	0.00	0.82	3.190	O	|	|	|	|	2.11
85.500	0.00	0.82	3.185	O	|	|	|	|	2.11
85.583	0.00	0.82	3.179	O	|	|	|	|	2.11
85.667	0.00	0.81	3.173	O	|	|	|	|	2.10
85.750	0.00	0.81	3.168	O	|	|	|	|	2.10
85.833	0.00	0.81	3.162	O	|	|	|	|	2.10
85.917	0.00	0.80	3.157	O	|	|	|	|	2.09
86.000	0.00	0.80	3.151	O	|	|	|	|	2.09
86.083	0.00	0.80	3.146	O	|	|	|	|	2.09
86.167	0.00	0.79	3.140	O	|	|	|	|	2.08
86.250	0.00	0.79	3.135	O	|	|	|	|	2.08
86.333	0.00	0.79	3.129	O	|	|	|	|	2.08
86.417	0.00	0.78	3.124	O	|	|	|	|	2.07
86.500	0.00	0.78	3.119	O	|	|	|	|	2.07
86.583	0.00	0.78	3.113	O	|	|	|	|	2.07
86.667	0.00	0.77	3.108	O	|	|	|	|	2.06
86.750	0.00	0.77	3.103	O	|	|	|	|	2.06
86.833	0.00	0.77	3.097	O	|	|	|	|	2.06
86.917	0.00	0.76	3.092	O	|	|	|	|	2.06
87.000	0.00	0.76	3.087	O	|	|	|	|	2.05
87.083	0.00	0.76	3.082	O	|	|	|	|	2.05
87.167	0.00	0.76	3.076	O	|	|	|	|	2.05
87.250	0.00	0.75	3.071	O	|	|	|	|	2.04
87.333	0.00	0.75	3.066	O	|	|	|	|	2.04
87.417	0.00	0.75	3.061	O	|	|	|	|	2.04
87.500	0.00	0.74	3.056	O	|	|	|	|	2.03
87.583	0.00	0.74	3.051	O	|	|	|	|	2.03
87.667	0.00	0.74	3.045	O	|	|	|	|	2.03
87.750	0.00	0.73	3.040	O	|	|	|	|	2.02
87.833	0.00	0.73	3.035	O	|	|	|	|	2.02
87.917	0.00	0.73	3.030	O	|	|	|	|	2.02
88.000	0.00	0.72	3.025	O	|	|	|	|	2.02
88.083	0.00	0.72	3.020	O	|	|	|	|	2.01
88.167	0.00	0.72	3.015	O	|	|	|	|	2.01
88.250	0.00	0.72	3.010	O	|	|	|	|	2.01
88.333	0.00	0.71	3.006	O	|	|	|	|	2.00
88.417	0.00	0.71	3.001	O	|	|	|	|	2.00
88.500	0.00	0.71	2.996	O	|	|	|	|	2.00
88.583	0.00	0.71	2.991	O	|	|	|	|	1.99
88.667	0.00	0.71	2.986	O	|	|	|	|	1.99
88.750	0.00	0.71	2.981	O	|	|	|	|	1.99
88.833	0.00	0.71	2.976	O	|	|	|	|	1.98
88.917	0.00	0.71	2.971	O	|	|	|	|	1.98
89.000	0.00	0.70	2.967	O	|	|	|	|	1.98
89.083	0.00	0.70	2.962	O	|	|	|	|	1.98
89.167	0.00	0.70	2.957	O	|	|	|	|	1.97
89.250	0.00	0.70	2.952	O	|	|	|	|	1.97
89.333	0.00	0.70	2.947	O	|	|	|	|	1.97
89.417	0.00	0.70	2.942	O	|	|	|	|	1.96
89.500	0.00	0.70	2.938	O	|	|	|	|	1.96

89.583	0.00	0.70	2.933	O	|	|	|	|	1.96
89.667	0.00	0.70	2.928	O	|	|	|	|	1.95
89.750	0.00	0.70	2.923	O	|	|	|	|	1.95
89.833	0.00	0.70	2.918	O	|	|	|	|	1.95
89.917	0.00	0.70	2.913	O	|	|	|	|	1.94
90.000	0.00	0.70	2.909	O	|	|	|	|	1.94
90.083	0.00	0.70	2.904	O	|	|	|	|	1.94
90.167	0.00	0.69	2.899	O	|	|	|	|	1.93
90.250	0.00	0.69	2.894	O	|	|	|	|	1.93
90.333	0.00	0.69	2.890	O	|	|	|	|	1.93
90.417	0.00	0.69	2.885	O	|	|	|	|	1.93
90.500	0.00	0.69	2.880	O	|	|	|	|	1.92
90.583	0.00	0.69	2.875	O	|	|	|	|	1.92
90.667	0.00	0.69	2.870	O	|	|	|	|	1.92
90.750	0.00	0.69	2.866	O	|	|	|	|	1.91
90.833	0.00	0.69	2.861	O	|	|	|	|	1.91
90.917	0.00	0.69	2.856	O	|	|	|	|	1.91
91.000	0.00	0.69	2.852	O	|	|	|	|	1.90
91.083	0.00	0.69	2.847	O	|	|	|	|	1.90
91.167	0.00	0.69	2.842	O	|	|	|	|	1.90
91.250	0.00	0.68	2.837	O	|	|	|	|	1.90
91.333	0.00	0.68	2.833	O	|	|	|	|	1.89
91.417	0.00	0.68	2.828	O	|	|	|	|	1.89
91.500	0.00	0.68	2.823	O	|	|	|	|	1.89
91.583	0.00	0.68	2.819	O	|	|	|	|	1.88
91.667	0.00	0.68	2.814	O	|	|	|	|	1.88
91.750	0.00	0.68	2.809	O	|	|	|	|	1.88
91.833	0.00	0.68	2.804	O	|	|	|	|	1.87
91.917	0.00	0.68	2.800	O	|	|	|	|	1.87
92.000	0.00	0.68	2.795	O	|	|	|	|	1.87
92.083	0.00	0.68	2.790	O	|	|	|	|	1.86
92.167	0.00	0.68	2.786	O	|	|	|	|	1.86
92.250	0.00	0.68	2.781	O	|	|	|	|	1.86
92.333	0.00	0.68	2.776	O	|	|	|	|	1.86
92.417	0.00	0.67	2.772	O	|	|	|	|	1.85
92.500	0.00	0.67	2.767	O	|	|	|	|	1.85
92.583	0.00	0.67	2.763	O	|	|	|	|	1.85
92.667	0.00	0.67	2.758	O	|	|	|	|	1.84
92.750	0.00	0.67	2.753	O	|	|	|	|	1.84
92.833	0.00	0.67	2.749	O	|	|	|	|	1.84
92.917	0.00	0.67	2.744	O	|	|	|	|	1.83
93.000	0.00	0.67	2.739	O	|	|	|	|	1.83
93.083	0.00	0.67	2.735	O	|	|	|	|	1.83
93.167	0.00	0.67	2.730	O	|	|	|	|	1.83
93.250	0.00	0.67	2.726	O	|	|	|	|	1.82
93.333	0.00	0.67	2.721	O	|	|	|	|	1.82
93.417	0.00	0.67	2.716	O	|	|	|	|	1.82
93.500	0.00	0.67	2.712	O	|	|	|	|	1.81
93.583	0.00	0.66	2.707	O	|	|	|	|	1.81
93.667	0.00	0.66	2.703	O	|	|	|	|	1.81
93.750	0.00	0.66	2.698	O	|	|	|	|	1.81
93.833	0.00	0.66	2.694	O	|	|	|	|	1.80
93.917	0.00	0.66	2.689	O	|	|	|	|	1.80
94.000	0.00	0.66	2.684	O	|	|	|	|	1.80
94.083	0.00	0.66	2.680	O	|	|	|	|	1.79
94.167	0.00	0.66	2.675	O	|	|	|	|	1.79
94.250	0.00	0.66	2.671	O	|	|	|	|	1.79
94.333	0.00	0.66	2.666	O	|	|	|	|	1.78
94.417	0.00	0.66	2.662	O	|	|	|	|	1.78
94.500	0.00	0.66	2.657	O	|	|	|	|	1.78
94.583	0.00	0.66	2.653	O	|	|	|	|	1.78
94.667	0.00	0.66	2.648	O	|	|	|	|	1.77
94.750	0.00	0.65	2.644	O	|	|	|	|	1.77
94.833	0.00	0.65	2.639	O	|	|	|	|	1.77
94.917	0.00	0.65	2.635	O	|	|	|	|	1.76
95.000	0.00	0.65	2.630	O	|	|	|	|	1.76
95.083	0.00	0.65	2.626	O	|	|	|	|	1.76

95.167	0.00	0.65	2.621	O	|	|	|	1.76
95.250	0.00	0.65	2.617	O	|	|	|	1.75
95.333	0.00	0.65	2.612	O	|	|	|	1.75
95.417	0.00	0.65	2.608	O	|	|	|	1.75
95.500	0.00	0.65	2.603	O	|	|	|	1.74
95.583	0.00	0.65	2.599	O	|	|	|	1.74
95.667	0.00	0.65	2.594	O	|	|	|	1.74
95.750	0.00	0.65	2.590	O	|	|	|	1.74
95.833	0.00	0.65	2.585	O	|	|	|	1.73
95.917	0.00	0.65	2.581	O	|	|	|	1.73
96.000	0.00	0.64	2.577	O	|	|	|	1.73
96.083	0.00	0.64	2.572	O	|	|	|	1.72
96.167	0.00	0.64	2.568	O	|	|	|	1.72
96.250	0.00	0.64	2.563	O	|	|	|	1.72
96.333	0.00	0.64	2.559	O	|	|	|	1.72
96.417	0.00	0.64	2.554	O	|	|	|	1.71
96.500	0.00	0.64	2.550	O	|	|	|	1.71
96.583	0.00	0.64	2.546	O	|	|	|	1.71
96.667	0.00	0.64	2.541	O	|	|	|	1.70
96.750	0.00	0.64	2.537	O	|	|	|	1.70
96.833	0.00	0.64	2.532	O	|	|	|	1.70
96.917	0.00	0.64	2.528	O	|	|	|	1.70
97.000	0.00	0.64	2.524	O	|	|	|	1.69
97.083	0.00	0.64	2.519	O	|	|	|	1.69
97.167	0.00	0.63	2.515	O	|	|	|	1.69
97.250	0.00	0.63	2.510	O	|	|	|	1.68
97.333	0.00	0.63	2.506	O	|	|	|	1.68
97.417	0.00	0.63	2.502	O	|	|	|	1.68
97.500	0.00	0.63	2.497	O	|	|	|	1.68
97.583	0.00	0.63	2.493	O	|	|	|	1.67
97.667	0.00	0.63	2.489	O	|	|	|	1.67
97.750	0.00	0.63	2.484	O	|	|	|	1.67
97.833	0.00	0.63	2.480	O	|	|	|	1.66
97.917	0.00	0.63	2.476	O	|	|	|	1.66
98.000	0.00	0.63	2.471	O	|	|	|	1.66
98.083	0.00	0.63	2.467	O	|	|	|	1.66
98.167	0.00	0.63	2.463	O	|	|	|	1.65
98.250	0.00	0.63	2.458	O	|	|	|	1.65
98.333	0.00	0.63	2.454	O	|	|	|	1.65
98.417	0.00	0.62	2.450	O	|	|	|	1.65
98.500	0.00	0.62	2.445	O	|	|	|	1.64
98.583	0.00	0.62	2.441	O	|	|	|	1.64
98.667	0.00	0.62	2.437	O	|	|	|	1.64
98.750	0.00	0.62	2.433	O	|	|	|	1.63
98.833	0.00	0.62	2.428	O	|	|	|	1.63
98.917	0.00	0.62	2.424	O	|	|	|	1.63
99.000	0.00	0.62	2.420	O	|	|	|	1.63
99.083	0.00	0.62	2.415	O	|	|	|	1.62
99.167	0.00	0.62	2.411	O	|	|	|	1.62
99.250	0.00	0.62	2.407	O	|	|	|	1.62
99.333	0.00	0.62	2.403	O	|	|	|	1.61
99.417	0.00	0.62	2.398	O	|	|	|	1.61
99.500	0.00	0.62	2.394	O	|	|	|	1.61
99.583	0.00	0.62	2.390	O	|	|	|	1.61
99.667	0.00	0.61	2.386	O	|	|	|	1.60
99.750	0.00	0.61	2.382	O	|	|	|	1.60
99.833	0.00	0.61	2.377	O	|	|	|	1.60
99.917	0.00	0.61	2.373	O	|	|	|	1.60
100.000	0.00	0.61	2.369	O	|	|	|	1.59
100.083	0.00	0.61	2.365	O	|	|	|	1.59
100.167	0.00	0.61	2.360	O	|	|	|	1.59
100.250	0.00	0.61	2.356	O	|	|	|	1.58
100.333	0.00	0.61	2.352	O	|	|	|	1.58
100.417	0.00	0.61	2.348	O	|	|	|	1.58
100.500	0.00	0.61	2.344	O	|	|	|	1.58
100.583	0.00	0.61	2.339	O	|	|	|	1.57
100.667	0.00	0.61	2.335	O	|	|	|	1.57

100.750	0.00	0.61	2.331	O	|	|	|	|	1.57
100.833	0.00	0.61	2.327	O	|	|	|	|	1.57
100.917	0.00	0.61	2.323	O	|	|	|	|	1.56
101.000	0.00	0.60	2.319	O	|	|	|	|	1.56
101.083	0.00	0.60	2.314	O	|	|	|	|	1.56
101.167	0.00	0.60	2.310	O	|	|	|	|	1.55
101.250	0.00	0.60	2.306	O	|	|	|	|	1.55
101.333	0.00	0.60	2.302	O	|	|	|	|	1.55
101.417	0.00	0.60	2.298	O	|	|	|	|	1.55
101.500	0.00	0.60	2.294	O	|	|	|	|	1.54
101.583	0.00	0.60	2.290	O	|	|	|	|	1.54
101.667	0.00	0.60	2.285	O	|	|	|	|	1.54
101.750	0.00	0.60	2.281	O	|	|	|	|	1.54
101.833	0.00	0.60	2.277	O	|	|	|	|	1.53
101.917	0.00	0.60	2.273	O	|	|	|	|	1.53
102.000	0.00	0.60	2.269	O	|	|	|	|	1.53
102.083	0.00	0.60	2.265	O	|	|	|	|	1.53
102.167	0.00	0.60	2.261	O	|	|	|	|	1.52
102.250	0.00	0.59	2.257	O	|	|	|	|	1.52
102.333	0.00	0.59	2.253	O	|	|	|	|	1.52
102.417	0.00	0.59	2.248	O	|	|	|	|	1.52
102.500	0.00	0.59	2.244	O	|	|	|	|	1.51
102.583	0.00	0.59	2.240	O	|	|	|	|	1.51
102.667	0.00	0.59	2.236	O	|	|	|	|	1.51
102.750	0.00	0.59	2.232	O	|	|	|	|	1.50
102.833	0.00	0.59	2.228	O	|	|	|	|	1.50
102.917	0.00	0.59	2.224	O	|	|	|	|	1.50
103.000	0.00	0.59	2.220	O	|	|	|	|	1.50
103.083	0.00	0.59	2.216	O	|	|	|	|	1.49
103.167	0.00	0.59	2.212	O	|	|	|	|	1.49
103.250	0.00	0.59	2.208	O	|	|	|	|	1.49
103.333	0.00	0.59	2.204	O	|	|	|	|	1.49
103.417	0.00	0.59	2.200	O	|	|	|	|	1.48
103.500	0.00	0.59	2.196	O	|	|	|	|	1.48
103.583	0.00	0.58	2.192	O	|	|	|	|	1.48
103.667	0.00	0.58	2.188	O	|	|	|	|	1.48
103.750	0.00	0.58	2.184	O	|	|	|	|	1.47
103.833	0.00	0.58	2.180	O	|	|	|	|	1.47
103.917	0.00	0.58	2.176	O	|	|	|	|	1.47
104.000	0.00	0.58	2.172	O	|	|	|	|	1.47
104.083	0.00	0.58	2.168	O	|	|	|	|	1.46
104.167	0.00	0.58	2.164	O	|	|	|	|	1.46
104.250	0.00	0.58	2.160	O	|	|	|	|	1.46
104.333	0.00	0.58	2.156	O	|	|	|	|	1.46
104.417	0.00	0.58	2.152	O	|	|	|	|	1.45
104.500	0.00	0.58	2.148	O	|	|	|	|	1.45
104.583	0.00	0.58	2.144	O	|	|	|	|	1.45
104.667	0.00	0.58	2.140	O	|	|	|	|	1.44
104.750	0.00	0.58	2.136	O	|	|	|	|	1.44
104.833	0.00	0.58	2.132	O	|	|	|	|	1.44
104.917	0.00	0.57	2.128	O	|	|	|	|	1.44
105.000	0.00	0.57	2.124	O	|	|	|	|	1.43
105.083	0.00	0.57	2.120	O	|	|	|	|	1.43
105.167	0.00	0.57	2.116	O	|	|	|	|	1.43
105.250	0.00	0.57	2.112	O	|	|	|	|	1.43
105.333	0.00	0.57	2.108	O	|	|	|	|	1.42
105.417	0.00	0.57	2.104	O	|	|	|	|	1.42
105.500	0.00	0.57	2.100	O	|	|	|	|	1.42
105.583	0.00	0.57	2.096	O	|	|	|	|	1.42
105.667	0.00	0.57	2.092	O	|	|	|	|	1.41
105.750	0.00	0.57	2.088	O	|	|	|	|	1.41
105.833	0.00	0.57	2.084	O	|	|	|	|	1.41
105.917	0.00	0.57	2.081	O	|	|	|	|	1.41
106.000	0.00	0.57	2.077	O	|	|	|	|	1.40
106.083	0.00	0.57	2.073	O	|	|	|	|	1.40
106.167	0.00	0.57	2.069	O	|	|	|	|	1.40
106.250	0.00	0.57	2.065	O	|	|	|	|	1.40

106.333	0.00	0.56	2.061	O	|	|	|	|	1.39
106.417	0.00	0.56	2.057	O	|	|	|	|	1.39
106.500	0.00	0.56	2.053	O	|	|	|	|	1.39
106.583	0.00	0.56	2.049	O	|	|	|	|	1.39
106.667	0.00	0.56	2.045	O	|	|	|	|	1.38
106.750	0.00	0.56	2.042	O	|	|	|	|	1.38
106.833	0.00	0.56	2.038	O	|	|	|	|	1.38
106.917	0.00	0.56	2.034	O	|	|	|	|	1.38
107.000	0.00	0.56	2.030	O	|	|	|	|	1.37
107.083	0.00	0.56	2.026	O	|	|	|	|	1.37
107.167	0.00	0.56	2.022	O	|	|	|	|	1.37
107.250	0.00	0.56	2.018	O	|	|	|	|	1.37
107.333	0.00	0.56	2.015	O	|	|	|	|	1.36
107.417	0.00	0.56	2.011	O	|	|	|	|	1.36
107.500	0.00	0.56	2.007	O	|	|	|	|	1.36
107.583	0.00	0.56	2.003	O	|	|	|	|	1.36
107.667	0.00	0.56	1.999	O	|	|	|	|	1.35
107.750	0.00	0.55	1.996	O	|	|	|	|	1.35
107.833	0.00	0.55	1.992	O	|	|	|	|	1.35
107.917	0.00	0.55	1.988	O	|	|	|	|	1.35
108.000	0.00	0.55	1.984	O	|	|	|	|	1.34
108.083	0.00	0.55	1.980	O	|	|	|	|	1.34
108.167	0.00	0.55	1.976	O	|	|	|	|	1.34
108.250	0.00	0.55	1.973	O	|	|	|	|	1.34
108.333	0.00	0.55	1.969	O	|	|	|	|	1.33
108.417	0.00	0.55	1.965	O	|	|	|	|	1.33
108.500	0.00	0.55	1.961	O	|	|	|	|	1.33
108.583	0.00	0.55	1.958	O	|	|	|	|	1.33
108.667	0.00	0.55	1.954	O	|	|	|	|	1.32
108.750	0.00	0.55	1.950	O	|	|	|	|	1.32
108.833	0.00	0.55	1.946	O	|	|	|	|	1.32
108.917	0.00	0.55	1.942	O	|	|	|	|	1.32
109.000	0.00	0.55	1.939	O	|	|	|	|	1.32
109.083	0.00	0.55	1.935	O	|	|	|	|	1.31
109.167	0.00	0.54	1.931	O	|	|	|	|	1.31
109.250	0.00	0.54	1.927	O	|	|	|	|	1.31
109.333	0.00	0.54	1.924	O	|	|	|	|	1.31
109.417	0.00	0.54	1.920	O	|	|	|	|	1.30
109.500	0.00	0.54	1.916	O	|	|	|	|	1.30
109.583	0.00	0.54	1.912	O	|	|	|	|	1.30
109.667	0.00	0.54	1.909	O	|	|	|	|	1.30
109.750	0.00	0.54	1.905	O	|	|	|	|	1.29
109.833	0.00	0.54	1.901	O	|	|	|	|	1.29
109.917	0.00	0.54	1.898	O	|	|	|	|	1.29
110.000	0.00	0.54	1.894	O	|	|	|	|	1.29
110.083	0.00	0.54	1.890	O	|	|	|	|	1.28
110.167	0.00	0.54	1.886	O	|	|	|	|	1.28
110.250	0.00	0.54	1.883	O	|	|	|	|	1.28
110.333	0.00	0.54	1.879	O	|	|	|	|	1.28
110.417	0.00	0.54	1.875	O	|	|	|	|	1.27
110.500	0.00	0.54	1.872	O	|	|	|	|	1.27
110.583	0.00	0.53	1.868	O	|	|	|	|	1.27
110.667	0.00	0.53	1.864	O	|	|	|	|	1.27
110.750	0.00	0.53	1.861	O	|	|	|	|	1.26
110.833	0.00	0.53	1.857	O	|	|	|	|	1.26
110.917	0.00	0.53	1.853	O	|	|	|	|	1.26
111.000	0.00	0.53	1.850	O	|	|	|	|	1.26
111.083	0.00	0.53	1.846	O	|	|	|	|	1.26
111.167	0.00	0.53	1.842	O	|	|	|	|	1.25
111.250	0.00	0.53	1.839	O	|	|	|	|	1.25
111.333	0.00	0.53	1.835	O	|	|	|	|	1.25
111.417	0.00	0.53	1.831	O	|	|	|	|	1.25
111.500	0.00	0.53	1.828	O	|	|	|	|	1.24
111.583	0.00	0.53	1.824	O	|	|	|	|	1.24
111.667	0.00	0.53	1.820	O	|	|	|	|	1.24
111.750	0.00	0.53	1.817	O	|	|	|	|	1.24
111.833	0.00	0.53	1.813	O	|	|	|	|	1.23

111.917	0.00	0.53	1.810	O	|	|	|	|	1.23
112.000	0.00	0.53	1.806	O	|	|	|	|	1.23
112.083	0.00	0.52	1.802	O	|	|	|	|	1.23
112.167	0.00	0.52	1.799	O	|	|	|	|	1.22
112.250	0.00	0.52	1.795	O	|	|	|	|	1.22
112.333	0.00	0.52	1.792	O	|	|	|	|	1.22
112.417	0.00	0.52	1.788	O	|	|	|	|	1.22
112.500	0.00	0.52	1.784	O	|	|	|	|	1.22
112.583	0.00	0.52	1.781	O	|	|	|	|	1.21
112.667	0.00	0.52	1.777	O	|	|	|	|	1.21
112.750	0.00	0.52	1.774	O	|	|	|	|	1.21
112.833	0.00	0.52	1.770	O	|	|	|	|	1.21
112.917	0.00	0.52	1.766	O	|	|	|	|	1.20
113.000	0.00	0.52	1.763	O	|	|	|	|	1.20
113.083	0.00	0.52	1.759	O	|	|	|	|	1.20
113.167	0.00	0.52	1.756	O	|	|	|	|	1.20
113.250	0.00	0.52	1.752	O	|	|	|	|	1.19
113.333	0.00	0.52	1.749	O	|	|	|	|	1.19
113.417	0.00	0.52	1.745	O	|	|	|	|	1.19
113.500	0.00	0.52	1.741	O	|	|	|	|	1.19
113.583	0.00	0.51	1.738	O	|	|	|	|	1.19
113.667	0.00	0.51	1.734	O	|	|	|	|	1.18
113.750	0.00	0.51	1.731	O	|	|	|	|	1.18
113.833	0.00	0.51	1.727	O	|	|	|	|	1.18
113.917	0.00	0.51	1.724	O	|	|	|	|	1.18
114.000	0.00	0.51	1.720	O	|	|	|	|	1.17
114.083	0.00	0.51	1.717	O	|	|	|	|	1.17
114.167	0.00	0.51	1.713	O	|	|	|	|	1.17
114.250	0.00	0.51	1.710	O	|	|	|	|	1.17
114.333	0.00	0.51	1.706	O	|	|	|	|	1.17
114.417	0.00	0.51	1.703	O	|	|	|	|	1.16
114.500	0.00	0.51	1.699	O	|	|	|	|	1.16
114.583	0.00	0.51	1.696	O	|	|	|	|	1.16
114.667	0.00	0.51	1.692	O	|	|	|	|	1.16
114.750	0.00	0.51	1.689	O	|	|	|	|	1.15
114.833	0.00	0.51	1.685	O	|	|	|	|	1.15
114.917	0.00	0.51	1.682	O	|	|	|	|	1.15
115.000	0.00	0.51	1.678	O	|	|	|	|	1.15
115.083	0.00	0.50	1.675	O	|	|	|	|	1.14
115.167	0.00	0.50	1.671	O	|	|	|	|	1.14
115.250	0.00	0.50	1.668	O	|	|	|	|	1.14
115.333	0.00	0.50	1.664	O	|	|	|	|	1.14
115.417	0.00	0.50	1.661	O	|	|	|	|	1.14
115.500	0.00	0.50	1.657	O	|	|	|	|	1.13
115.583	0.00	0.50	1.654	O	|	|	|	|	1.13
115.667	0.00	0.50	1.651	O	|	|	|	|	1.13
115.750	0.00	0.50	1.647	O	|	|	|	|	1.13
115.833	0.00	0.50	1.644	O	|	|	|	|	1.12
115.917	0.00	0.50	1.640	O	|	|	|	|	1.12
116.000	0.00	0.50	1.637	O	|	|	|	|	1.12
116.083	0.00	0.50	1.633	O	|	|	|	|	1.12
116.167	0.00	0.50	1.630	O	|	|	|	|	1.12
116.250	0.00	0.50	1.626	O	|	|	|	|	1.11
116.333	0.00	0.50	1.623	O	|	|	|	|	1.11
116.417	0.00	0.50	1.620	O	|	|	|	|	1.11
116.500	0.00	0.50	1.616	O	|	|	|	|	1.11
116.583	0.00	0.50	1.613	O	|	|	|	|	1.11
116.667	0.00	0.49	1.609	O	|	|	|	|	1.10
116.750	0.00	0.49	1.606	O	|	|	|	|	1.10
116.833	0.00	0.49	1.603	O	|	|	|	|	1.10
116.917	0.00	0.49	1.599	O	|	|	|	|	1.10
117.000	0.00	0.49	1.596	O	|	|	|	|	1.09
117.083	0.00	0.49	1.592	O	|	|	|	|	1.09
117.167	0.00	0.49	1.589	O	|	|	|	|	1.09
117.250	0.00	0.49	1.586	O	|	|	|	|	1.09
117.333	0.00	0.49	1.582	O	|	|	|	|	1.09
117.417	0.00	0.49	1.579	O	|	|	|	|	1.08

117.500	0.00	0.49	1.575	O	|	|	|	1.08
117.583	0.00	0.49	1.572	O	|	|	|	1.08
117.667	0.00	0.49	1.569	O	|	|	|	1.08
117.750	0.00	0.49	1.565	O	|	|	|	1.07
117.833	0.00	0.49	1.562	O	|	|	|	1.07
117.917	0.00	0.49	1.559	O	|	|	|	1.07
118.000	0.00	0.49	1.555	O	|	|	|	1.07
118.083	0.00	0.49	1.552	O	|	|	|	1.07
118.167	0.00	0.49	1.549	O	|	|	|	1.06
118.250	0.00	0.48	1.545	O	|	|	|	1.06
118.333	0.00	0.48	1.542	O	|	|	|	1.06
118.417	0.00	0.48	1.539	O	|	|	|	1.06
118.500	0.00	0.48	1.535	O	|	|	|	1.06
118.583	0.00	0.48	1.532	O	|	|	|	1.05
118.667	0.00	0.48	1.529	O	|	|	|	1.05
118.750	0.00	0.48	1.525	O	|	|	|	1.05
118.833	0.00	0.48	1.522	O	|	|	|	1.05
118.917	0.00	0.48	1.519	O	|	|	|	1.04
119.000	0.00	0.48	1.515	O	|	|	|	1.04
119.083	0.00	0.48	1.512	O	|	|	|	1.04
119.167	0.00	0.48	1.509	O	|	|	|	1.04
119.250	0.00	0.48	1.505	O	|	|	|	1.04
119.333	0.00	0.48	1.502	O	|	|	|	1.03
119.417	0.00	0.48	1.499	O	|	|	|	1.03
119.500	0.00	0.48	1.496	O	|	|	|	1.03
119.583	0.00	0.48	1.492	O	|	|	|	1.03
119.667	0.00	0.48	1.489	O	|	|	|	1.03
119.750	0.00	0.48	1.486	O	|	|	|	1.02
119.833	0.00	0.48	1.482	O	|	|	|	1.02
119.917	0.00	0.47	1.479	O	|	|	|	1.02
120.000	0.00	0.47	1.476	O	|	|	|	1.02
120.083	0.00	0.47	1.473	O	|	|	|	1.01
120.167	0.00	0.47	1.469	O	|	|	|	1.01
120.250	0.00	0.47	1.466	O	|	|	|	1.01
120.333	0.00	0.47	1.463	O	|	|	|	1.01
120.417	0.00	0.47	1.460	O	|	|	|	1.01
120.500	0.00	0.47	1.456	O	|	|	|	1.00
120.583	0.00	0.47	1.453	O	|	|	|	1.00
120.667	0.00	0.47	1.450	O	|	|	|	1.00
120.750	0.00	0.47	1.447	O	|	|	|	1.00
120.833	0.00	0.47	1.443	O	|	|	|	1.00
120.917	0.00	0.47	1.440	O	|	|	|	0.99
121.000	0.00	0.47	1.437	O	|	|	|	0.99
121.083	0.00	0.46	1.434	O	|	|	|	0.99
121.167	0.00	0.46	1.431	O	|	|	|	0.99
121.250	0.00	0.46	1.427	O	|	|	|	0.98
121.333	0.00	0.46	1.424	O	|	|	|	0.98
121.417	0.00	0.46	1.421	O	|	|	|	0.98
121.500	0.00	0.46	1.418	O	|	|	|	0.98
121.583	0.00	0.46	1.415	O	|	|	|	0.98
121.667	0.00	0.46	1.412	O	|	|	|	0.97
121.750	0.00	0.46	1.408	O	|	|	|	0.97
121.833	0.00	0.46	1.405	O	|	|	|	0.97
121.917	0.00	0.45	1.402	O	|	|	|	0.97
122.000	0.00	0.45	1.399	O	|	|	|	0.96
122.083	0.00	0.45	1.396	O	|	|	|	0.96
122.167	0.00	0.45	1.393	O	|	|	|	0.96
122.250	0.00	0.45	1.390	O	|	|	|	0.96
122.333	0.00	0.45	1.387	O	|	|	|	0.96
122.417	0.00	0.45	1.384	O	|	|	|	0.95
122.500	0.00	0.45	1.380	O	|	|	|	0.95
122.583	0.00	0.45	1.377	O	|	|	|	0.95
122.667	0.00	0.45	1.374	O	|	|	|	0.95
122.750	0.00	0.44	1.371	O	|	|	|	0.95
122.833	0.00	0.44	1.368	O	|	|	|	0.94
122.917	0.00	0.44	1.365	O	|	|	|	0.94
123.000	0.00	0.44	1.362	O	|	|	|	0.94

123.083	0.00	0.44	1.359	O	|	|	|	|	0.94
123.167	0.00	0.44	1.356	O	|	|	|	|	0.94
123.250	0.00	0.44	1.353	O	|	|	|	|	0.93
123.333	0.00	0.44	1.350	O	|	|	|	|	0.93
123.417	0.00	0.44	1.347	O	|	|	|	|	0.93
123.500	0.00	0.44	1.344	O	|	|	|	|	0.93
123.583	0.00	0.43	1.341	O	|	|	|	|	0.92
123.667	0.00	0.43	1.338	O	|	|	|	|	0.92
123.750	0.00	0.43	1.335	O	|	|	|	|	0.92
123.833	0.00	0.43	1.332	O	|	|	|	|	0.92
123.917	0.00	0.43	1.329	O	|	|	|	|	0.92
124.000	0.00	0.43	1.326	O	|	|	|	|	0.91
124.083	0.00	0.43	1.323	O	|	|	|	|	0.91
124.167	0.00	0.43	1.320	O	|	|	|	|	0.91
124.250	0.00	0.43	1.317	O	|	|	|	|	0.91
124.333	0.00	0.43	1.314	O	|	|	|	|	0.91
124.417	0.00	0.43	1.311	O	|	|	|	|	0.90
124.500	0.00	0.42	1.308	O	|	|	|	|	0.90
124.583	0.00	0.42	1.306	O	|	|	|	|	0.90
124.667	0.00	0.42	1.303	O	|	|	|	|	0.90
124.750	0.00	0.42	1.300	O	|	|	|	|	0.90
124.833	0.00	0.42	1.297	O	|	|	|	|	0.89
124.917	0.00	0.42	1.294	O	|	|	|	|	0.89
125.000	0.00	0.42	1.291	O	|	|	|	|	0.89
125.083	0.00	0.42	1.288	O	|	|	|	|	0.89
125.167	0.00	0.42	1.285	O	|	|	|	|	0.89
125.250	0.00	0.42	1.282	O	|	|	|	|	0.88
125.333	0.00	0.41	1.280	O	|	|	|	|	0.88
125.417	0.00	0.41	1.277	O	|	|	|	|	0.88
125.500	0.00	0.41	1.274	O	|	|	|	|	0.88
125.583	0.00	0.41	1.271	O	|	|	|	|	0.88
125.667	0.00	0.41	1.268	O	|	|	|	|	0.87
125.750	0.00	0.41	1.265	O	|	|	|	|	0.87
125.833	0.00	0.41	1.263	O	|	|	|	|	0.87
125.917	0.00	0.41	1.260	O	|	|	|	|	0.87
126.000	0.00	0.41	1.257	O	|	|	|	|	0.87
126.083	0.00	0.41	1.254	O	|	|	|	|	0.86
126.167	0.00	0.41	1.251	O	|	|	|	|	0.86
126.250	0.00	0.40	1.249	O	|	|	|	|	0.86
126.333	0.00	0.40	1.246	O	|	|	|	|	0.86
126.417	0.00	0.40	1.243	O	|	|	|	|	0.86
126.500	0.00	0.40	1.240	O	|	|	|	|	0.86
126.583	0.00	0.40	1.237	O	|	|	|	|	0.85
126.667	0.00	0.40	1.235	O	|	|	|	|	0.85
126.750	0.00	0.40	1.232	O	|	|	|	|	0.85
126.833	0.00	0.40	1.229	O	|	|	|	|	0.85
126.917	0.00	0.40	1.226	O	|	|	|	|	0.85
127.000	0.00	0.40	1.224	O	|	|	|	|	0.84
127.083	0.00	0.40	1.221	O	|	|	|	|	0.84
127.167	0.00	0.39	1.218	O	|	|	|	|	0.84
127.250	0.00	0.39	1.216	O	|	|	|	|	0.84
127.333	0.00	0.39	1.213	O	|	|	|	|	0.84
127.417	0.00	0.39	1.210	O	|	|	|	|	0.83
127.500	0.00	0.39	1.207	O	|	|	|	|	0.83
127.583	0.00	0.39	1.205	O	|	|	|	|	0.83
127.667	0.00	0.39	1.202	O	|	|	|	|	0.83
127.750	0.00	0.39	1.199	O	|	|	|	|	0.83
127.833	0.00	0.39	1.197	O	|	|	|	|	0.83
127.917	0.00	0.39	1.194	O	|	|	|	|	0.82
128.000	0.00	0.39	1.191	O	|	|	|	|	0.82
128.083	0.00	0.39	1.189	O	|	|	|	|	0.82
128.167	0.00	0.38	1.186	O	|	|	|	|	0.82
128.250	0.00	0.38	1.183	O	|	|	|	|	0.82
128.333	0.00	0.38	1.181	O	|	|	|	|	0.81
128.417	0.00	0.38	1.178	O	|	|	|	|	0.81
128.500	0.00	0.38	1.175	O	|	|	|	|	0.81
128.583	0.00	0.38	1.173	O	|	|	|	|	0.81

128.667	0.00	0.38	1.170	O	|	|	|	|	0.81
128.750	0.00	0.38	1.168	O	|	|	|	|	0.81
128.833	0.00	0.38	1.165	O	|	|	|	|	0.80
128.917	0.00	0.38	1.162	O	|	|	|	|	0.80
129.000	0.00	0.38	1.160	O	|	|	|	|	0.80
129.083	0.00	0.38	1.157	O	|	|	|	|	0.80
129.167	0.00	0.37	1.155	O	|	|	|	|	0.80
129.250	0.00	0.37	1.152	O	|	|	|	|	0.79
129.333	0.00	0.37	1.150	O	|	|	|	|	0.79
129.417	0.00	0.37	1.147	O	|	|	|	|	0.79
129.500	0.00	0.37	1.144	O	|	|	|	|	0.79
129.583	0.00	0.37	1.142	O	|	|	|	|	0.79
129.667	0.00	0.37	1.139	O	|	|	|	|	0.79
129.750	0.00	0.37	1.137	O	|	|	|	|	0.78
129.833	0.00	0.37	1.134	O	|	|	|	|	0.78
129.917	0.00	0.37	1.132	O	|	|	|	|	0.78
130.000	0.00	0.37	1.129	O	|	|	|	|	0.78
130.083	0.00	0.37	1.127	O	|	|	|	|	0.78
130.167	0.00	0.36	1.124	O	|	|	|	|	0.78
130.250	0.00	0.36	1.122	O	|	|	|	|	0.77
130.333	0.00	0.36	1.119	O	|	|	|	|	0.77
130.417	0.00	0.36	1.117	O	|	|	|	|	0.77
130.500	0.00	0.36	1.114	O	|	|	|	|	0.77
130.583	0.00	0.36	1.112	O	|	|	|	|	0.77
130.667	0.00	0.36	1.109	O	|	|	|	|	0.76
130.750	0.00	0.36	1.107	O	|	|	|	|	0.76
130.833	0.00	0.36	1.104	O	|	|	|	|	0.76
130.917	0.00	0.36	1.102	O	|	|	|	|	0.76
131.000	0.00	0.36	1.099	O	|	|	|	|	0.76
131.083	0.00	0.36	1.097	O	|	|	|	|	0.76
131.167	0.00	0.35	1.094	O	|	|	|	|	0.75
131.250	0.00	0.35	1.092	O	|	|	|	|	0.75
131.333	0.00	0.35	1.090	O	|	|	|	|	0.75
131.417	0.00	0.35	1.087	O	|	|	|	|	0.75
131.500	0.00	0.35	1.085	O	|	|	|	|	0.75
131.583	0.00	0.35	1.082	O	|	|	|	|	0.75
131.667	0.00	0.35	1.080	O	|	|	|	|	0.74
131.750	0.00	0.35	1.077	O	|	|	|	|	0.74
131.833	0.00	0.35	1.075	O	|	|	|	|	0.74
131.917	0.00	0.35	1.073	O	|	|	|	|	0.74
132.000	0.00	0.35	1.070	O	|	|	|	|	0.74
132.083	0.00	0.35	1.068	O	|	|	|	|	0.74
132.167	0.00	0.35	1.066	O	|	|	|	|	0.73
132.250	0.00	0.34	1.063	O	|	|	|	|	0.73
132.333	0.00	0.34	1.061	O	|	|	|	|	0.73
132.417	0.00	0.34	1.058	O	|	|	|	|	0.73
132.500	0.00	0.34	1.056	O	|	|	|	|	0.73
132.583	0.00	0.34	1.054	O	|	|	|	|	0.73
132.667	0.00	0.34	1.051	O	|	|	|	|	0.73
132.750	0.00	0.34	1.049	O	|	|	|	|	0.72
132.833	0.00	0.34	1.047	O	|	|	|	|	0.72
132.917	0.00	0.34	1.044	O	|	|	|	|	0.72
133.000	0.00	0.34	1.042	O	|	|	|	|	0.72
133.083	0.00	0.34	1.040	O	|	|	|	|	0.72
133.167	0.00	0.34	1.037	O	|	|	|	|	0.72
133.250	0.00	0.34	1.035	O	|	|	|	|	0.71
133.333	0.00	0.33	1.033	O	|	|	|	|	0.71
133.417	0.00	0.33	1.030	O	|	|	|	|	0.71
133.500	0.00	0.33	1.028	O	|	|	|	|	0.71
133.583	0.00	0.33	1.026	O	|	|	|	|	0.71
133.667	0.00	0.33	1.024	O	|	|	|	|	0.71
133.750	0.00	0.33	1.021	O	|	|	|	|	0.70
133.833	0.00	0.33	1.019	O	|	|	|	|	0.70
133.917	0.00	0.33	1.017	O	|	|	|	|	0.70
134.000	0.00	0.33	1.014	O	|	|	|	|	0.70
134.083	0.00	0.33	1.012	O	|	|	|	|	0.70
134.167	0.00	0.33	1.010	O	|	|	|	|	0.70

134.250	0.00	0.33	1.008	O	|	|	|	0.69
134.333	0.00	0.33	1.005	O	|	|	|	0.69
134.417	0.00	0.33	1.003	O	|	|	|	0.69
134.500	0.00	0.32	1.001	O	|	|	|	0.69
134.583	0.00	0.32	0.999	O	|	|	|	0.69
134.667	0.00	0.32	0.996	O	|	|	|	0.69
134.750	0.00	0.32	0.994	O	|	|	|	0.69
134.833	0.00	0.32	0.992	O	|	|	|	0.68
134.917	0.00	0.32	0.990	O	|	|	|	0.68
135.000	0.00	0.32	0.988	O	|	|	|	0.68
135.083	0.00	0.32	0.985	O	|	|	|	0.68
135.167	0.00	0.32	0.983	O	|	|	|	0.68
135.250	0.00	0.32	0.981	O	|	|	|	0.68
135.333	0.00	0.32	0.979	O	|	|	|	0.68
135.417	0.00	0.32	0.977	O	|	|	|	0.67
135.500	0.00	0.32	0.974	O	|	|	|	0.67
135.583	0.00	0.32	0.972	O	|	|	|	0.67
135.667	0.00	0.31	0.970	O	|	|	|	0.67
135.750	0.00	0.31	0.968	O	|	|	|	0.67
135.833	0.00	0.31	0.966	O	|	|	|	0.67
135.917	0.00	0.31	0.964	O	|	|	|	0.66
136.000	0.00	0.31	0.962	O	|	|	|	0.66
136.083	0.00	0.31	0.959	O	|	|	|	0.66
136.167	0.00	0.31	0.957	O	|	|	|	0.66
136.250	0.00	0.31	0.955	O	|	|	|	0.66
136.333	0.00	0.31	0.953	O	|	|	|	0.66
136.417	0.00	0.31	0.951	O	|	|	|	0.66
136.500	0.00	0.31	0.949	O	|	|	|	0.65
136.583	0.00	0.31	0.947	O	|	|	|	0.65
136.667	0.00	0.31	0.945	O	|	|	|	0.65
136.750	0.00	0.31	0.942	O	|	|	|	0.65
136.833	0.00	0.30	0.940	O	|	|	|	0.65
136.917	0.00	0.30	0.938	O	|	|	|	0.65
137.000	0.00	0.30	0.936	O	|	|	|	0.65
137.083	0.00	0.30	0.934	O	|	|	|	0.64
137.167	0.00	0.30	0.932	O	|	|	|	0.64
137.250	0.00	0.30	0.930	O	|	|	|	0.64
137.333	0.00	0.30	0.928	O	|	|	|	0.64
137.417	0.00	0.30	0.926	O	|	|	|	0.64
137.500	0.00	0.30	0.924	O	|	|	|	0.64
137.583	0.00	0.30	0.922	O	|	|	|	0.64
137.667	0.00	0.30	0.920	O	|	|	|	0.63
137.750	0.00	0.30	0.917	O	|	|	|	0.63
137.833	0.00	0.30	0.915	O	|	|	|	0.63
137.917	0.00	0.30	0.913	O	|	|	|	0.63
138.000	0.00	0.30	0.911	O	|	|	|	0.63
138.083	0.00	0.29	0.909	O	|	|	|	0.63
138.167	0.00	0.29	0.907	O	|	|	|	0.63
138.250	0.00	0.29	0.905	O	|	|	|	0.62
138.333	0.00	0.29	0.903	O	|	|	|	0.62
138.417	0.00	0.29	0.901	O	|	|	|	0.62
138.500	0.00	0.29	0.899	O	|	|	|	0.62
138.583	0.00	0.29	0.897	O	|	|	|	0.62
138.667	0.00	0.29	0.895	O	|	|	|	0.62
138.750	0.00	0.29	0.893	O	|	|	|	0.62
138.833	0.00	0.29	0.891	O	|	|	|	0.61
138.917	0.00	0.29	0.889	O	|	|	|	0.61
139.000	0.00	0.29	0.887	O	|	|	|	0.61
139.083	0.00	0.29	0.885	O	|	|	|	0.61
139.167	0.00	0.29	0.883	O	|	|	|	0.61
139.250	0.00	0.29	0.881	O	|	|	|	0.61
139.333	0.00	0.29	0.879	O	|	|	|	0.61
139.417	0.00	0.28	0.877	O	|	|	|	0.61
139.500	0.00	0.28	0.875	O	|	|	|	0.60
139.583	0.00	0.28	0.874	O	|	|	|	0.60
139.667	0.00	0.28	0.872	O	|	|	|	0.60
139.750	0.00	0.28	0.870	O	|	|	|	0.60

139.833	0.00	0.28	0.868	O	|	|	|	0.60
139.917	0.00	0.28	0.866	O	|	|	|	0.60
140.000	0.00	0.28	0.864	O	|	|	|	0.60
140.083	0.00	0.28	0.862	O	|	|	|	0.59
140.167	0.00	0.28	0.860	O	|	|	|	0.59
140.250	0.00	0.28	0.858	O	|	|	|	0.59
140.333	0.00	0.28	0.856	O	|	|	|	0.59
140.417	0.00	0.28	0.854	O	|	|	|	0.59
140.500	0.00	0.28	0.852	O	|	|	|	0.59
140.583	0.00	0.28	0.850	O	|	|	|	0.59
140.667	0.00	0.28	0.849	O	|	|	|	0.59
140.750	0.00	0.27	0.847	O	|	|	|	0.58
140.833	0.00	0.27	0.845	O	|	|	|	0.58
140.917	0.00	0.27	0.843	O	|	|	|	0.58
141.000	0.00	0.27	0.841	O	|	|	|	0.58
141.083	0.00	0.27	0.839	O	|	|	|	0.58
141.167	0.00	0.27	0.837	O	|	|	|	0.58
141.250	0.00	0.27	0.835	O	|	|	|	0.58
141.333	0.00	0.27	0.834	O	|	|	|	0.57
141.417	0.00	0.27	0.832	O	|	|	|	0.57
141.500	0.00	0.27	0.830	O	|	|	|	0.57
141.583	0.00	0.27	0.828	O	|	|	|	0.57
141.667	0.00	0.27	0.826	O	|	|	|	0.57
141.750	0.00	0.27	0.824	O	|	|	|	0.57
141.833	0.00	0.27	0.822	O	|	|	|	0.57
141.917	0.00	0.27	0.821	O	|	|	|	0.57
142.000	0.00	0.27	0.819	O	|	|	|	0.56
142.083	0.00	0.26	0.817	O	|	|	|	0.56
142.167	0.00	0.26	0.815	O	|	|	|	0.56
142.250	0.00	0.26	0.813	O	|	|	|	0.56
142.333	0.00	0.26	0.811	O	|	|	|	0.56
142.417	0.00	0.26	0.810	O	|	|	|	0.56
142.500	0.00	0.26	0.808	O	|	|	|	0.56
142.583	0.00	0.26	0.806	O	|	|	|	0.56
142.667	0.00	0.26	0.804	O	|	|	|	0.55
142.750	0.00	0.26	0.802	O	|	|	|	0.55
142.833	0.00	0.26	0.801	O	|	|	|	0.55
142.917	0.00	0.26	0.799	O	|	|	|	0.55
143.000	0.00	0.26	0.797	O	|	|	|	0.55
143.083	0.00	0.26	0.795	O	|	|	|	0.55
143.167	0.00	0.26	0.794	O	|	|	|	0.55
143.250	0.00	0.26	0.792	O	|	|	|	0.55
143.333	0.00	0.26	0.790	O	|	|	|	0.54
143.417	0.00	0.26	0.788	O	|	|	|	0.54
143.500	0.00	0.25	0.787	O	|	|	|	0.54
143.583	0.00	0.25	0.785	O	|	|	|	0.54
143.667	0.00	0.25	0.783	O	|	|	|	0.54
143.750	0.00	0.25	0.781	O	|	|	|	0.54
143.833	0.00	0.25	0.780	O	|	|	|	0.54
143.917	0.00	0.25	0.778	O	|	|	|	0.54
144.000	0.00	0.25	0.776	O	|	|	|	0.54
144.083	0.00	0.25	0.774	O	|	|	|	0.53
144.167	0.00	0.25	0.773	O	|	|	|	0.53
144.250	0.00	0.25	0.771	O	|	|	|	0.53
144.333	0.00	0.25	0.769	O	|	|	|	0.53
144.417	0.00	0.25	0.767	O	|	|	|	0.53
144.500	0.00	0.25	0.766	O	|	|	|	0.53
144.583	0.00	0.25	0.764	O	|	|	|	0.53
144.667	0.00	0.25	0.762	O	|	|	|	0.53
144.750	0.00	0.25	0.761	O	|	|	|	0.52
144.833	0.00	0.25	0.759	O	|	|	|	0.52
144.917	0.00	0.25	0.757	O	|	|	|	0.52
145.000	0.00	0.24	0.756	O	|	|	|	0.52
145.083	0.00	0.24	0.754	O	|	|	|	0.52
145.167	0.00	0.24	0.752	O	|	|	|	0.52
145.250	0.00	0.24	0.750	O	|	|	|	0.52
145.333	0.00	0.24	0.749	O	|	|	|	0.52

145.417	0.00	0.24	0.747	O	|	|	|	0.52
145.500	0.00	0.24	0.745	O	|	|	|	0.51
145.583	0.00	0.24	0.744	O	|	|	|	0.51
145.667	0.00	0.24	0.742	O	|	|	|	0.51
145.750	0.00	0.24	0.741	O	|	|	|	0.51
145.833	0.00	0.24	0.739	O	|	|	|	0.51
145.917	0.00	0.24	0.737	O	|	|	|	0.51
146.000	0.00	0.24	0.736	O	|	|	|	0.51
146.083	0.00	0.24	0.734	O	|	|	|	0.51
146.167	0.00	0.24	0.732	O	|	|	|	0.51
146.250	0.00	0.24	0.731	O	|	|	|	0.50
146.333	0.00	0.24	0.729	O	|	|	|	0.50
146.417	0.00	0.24	0.727	O	|	|	|	0.50
146.500	0.00	0.24	0.726	O	|	|	|	0.50
146.583	0.00	0.23	0.724	O	|	|	|	0.50
146.667	0.00	0.23	0.723	O	|	|	|	0.50
146.750	0.00	0.23	0.721	O	|	|	|	0.50
146.833	0.00	0.23	0.719	O	|	|	|	0.50
146.917	0.00	0.23	0.718	O	|	|	|	0.49
147.000	0.00	0.23	0.716	O	|	|	|	0.49
147.083	0.00	0.23	0.715	O	|	|	|	0.49
147.167	0.00	0.23	0.713	O	|	|	|	0.49
147.250	0.00	0.23	0.711	O	|	|	|	0.49
147.333	0.00	0.23	0.710	O	|	|	|	0.49
147.417	0.00	0.23	0.708	O	|	|	|	0.49
147.500	0.00	0.23	0.707	O	|	|	|	0.49
147.583	0.00	0.23	0.705	O	|	|	|	0.49
147.667	0.00	0.23	0.703	O	|	|	|	0.49
147.750	0.00	0.23	0.702	O	|	|	|	0.48
147.833	0.00	0.23	0.700	O	|	|	|	0.48
147.917	0.00	0.23	0.699	O	|	|	|	0.48
148.000	0.00	0.23	0.697	O	|	|	|	0.48
148.083	0.00	0.23	0.696	O	|	|	|	0.48
148.167	0.00	0.22	0.694	O	|	|	|	0.48
148.250	0.00	0.22	0.693	O	|	|	|	0.48
148.333	0.00	0.22	0.691	O	|	|	|	0.48
148.417	0.00	0.22	0.689	O	|	|	|	0.48
148.500	0.00	0.22	0.688	O	|	|	|	0.47
148.583	0.00	0.22	0.686	O	|	|	|	0.47
148.667	0.00	0.22	0.685	O	|	|	|	0.47
148.750	0.00	0.22	0.683	O	|	|	|	0.47
148.833	0.00	0.22	0.682	O	|	|	|	0.47
148.917	0.00	0.22	0.680	O	|	|	|	0.47
149.000	0.00	0.22	0.679	O	|	|	|	0.47
149.083	0.00	0.22	0.677	O	|	|	|	0.47
149.167	0.00	0.22	0.676	O	|	|	|	0.47
149.250	0.00	0.22	0.674	O	|	|	|	0.46
149.333	0.00	0.22	0.673	O	|	|	|	0.46
149.417	0.00	0.22	0.671	O	|	|	|	0.46
149.500	0.00	0.22	0.670	O	|	|	|	0.46
149.583	0.00	0.22	0.668	O	|	|	|	0.46
149.667	0.00	0.22	0.667	O	|	|	|	0.46
149.750	0.00	0.22	0.665	O	|	|	|	0.46
149.833	0.00	0.22	0.664	O	|	|	|	0.46
149.917	0.00	0.21	0.662	O	|	|	|	0.46
150.000	0.00	0.21	0.661	O	|	|	|	0.46
150.083	0.00	0.21	0.659	O	|	|	|	0.45
150.167	0.00	0.21	0.658	O	|	|	|	0.45
150.250	0.00	0.21	0.656	O	|	|	|	0.45
150.333	0.00	0.21	0.655	O	|	|	|	0.45
150.417	0.00	0.21	0.653	O	|	|	|	0.45
150.500	0.00	0.21	0.652	O	|	|	|	0.45
150.583	0.00	0.21	0.651	O	|	|	|	0.45
150.667	0.00	0.21	0.649	O	|	|	|	0.45
150.750	0.00	0.21	0.648	O	|	|	|	0.45
150.833	0.00	0.21	0.646	O	|	|	|	0.45
150.917	0.00	0.21	0.645	O	|	|	|	0.44

151.000	0.00	0.21	0.643	O	|	|	|	|	0.44
151.083	0.00	0.21	0.642	O	|	|	|	|	0.44
151.167	0.00	0.21	0.640	O	|	|	|	|	0.44
151.250	0.00	0.21	0.639	O	|	|	|	|	0.44
151.333	0.00	0.21	0.638	O	|	|	|	|	0.44
151.417	0.00	0.21	0.636	O	|	|	|	|	0.44
151.500	0.00	0.21	0.635	O	|	|	|	|	0.44
151.583	0.00	0.21	0.633	O	|	|	|	|	0.44
151.667	0.00	0.20	0.632	O	|	|	|	|	0.44
151.750	0.00	0.20	0.631	O	|	|	|	|	0.43
151.833	0.00	0.20	0.629	O	|	|	|	|	0.43
151.917	0.00	0.20	0.628	O	|	|	|	|	0.43
152.000	0.00	0.20	0.626	O	|	|	|	|	0.43
152.083	0.00	0.20	0.625	O	|	|	|	|	0.43
152.167	0.00	0.20	0.624	O	|	|	|	|	0.43
152.250	0.00	0.20	0.622	O	|	|	|	|	0.43
152.333	0.00	0.20	0.621	O	|	|	|	|	0.43
152.417	0.00	0.20	0.619	O	|	|	|	|	0.43
152.500	0.00	0.20	0.618	O	|	|	|	|	0.43
152.583	0.00	0.20	0.617	O	|	|	|	|	0.43
152.667	0.00	0.20	0.615	O	|	|	|	|	0.42
152.750	0.00	0.20	0.614	O	|	|	|	|	0.42
152.833	0.00	0.20	0.613	O	|	|	|	|	0.42
152.917	0.00	0.20	0.611	O	|	|	|	|	0.42
153.000	0.00	0.20	0.610	O	|	|	|	|	0.42
153.083	0.00	0.20	0.608	O	|	|	|	|	0.42
153.167	0.00	0.20	0.607	O	|	|	|	|	0.42
153.250	0.00	0.20	0.606	O	|	|	|	|	0.42
153.333	0.00	0.20	0.604	O	|	|	|	|	0.42
153.417	0.00	0.20	0.603	O	|	|	|	|	0.42
153.500	0.00	0.20	0.602	O	|	|	|	|	0.41
153.583	0.00	0.19	0.600	O	|	|	|	|	0.41
153.667	0.00	0.19	0.599	O	|	|	|	|	0.41
153.750	0.00	0.19	0.598	O	|	|	|	|	0.41
153.833	0.00	0.19	0.596	O	|	|	|	|	0.41
153.917	0.00	0.19	0.595	O	|	|	|	|	0.41
154.000	0.00	0.19	0.594	O	|	|	|	|	0.41
154.083	0.00	0.19	0.592	O	|	|	|	|	0.41
154.167	0.00	0.19	0.591	O	|	|	|	|	0.41
154.250	0.00	0.19	0.590	O	|	|	|	|	0.41
154.333	0.00	0.19	0.588	O	|	|	|	|	0.41
154.417	0.00	0.19	0.587	O	|	|	|	|	0.40
154.500	0.00	0.19	0.586	O	|	|	|	|	0.40
154.583	0.00	0.19	0.584	O	|	|	|	|	0.40
154.667	0.00	0.19	0.583	O	|	|	|	|	0.40
154.750	0.00	0.19	0.582	O	|	|	|	|	0.40
154.833	0.00	0.19	0.581	O	|	|	|	|	0.40
154.917	0.00	0.19	0.579	O	|	|	|	|	0.40
155.000	0.00	0.19	0.578	O	|	|	|	|	0.40
155.083	0.00	0.19	0.577	O	|	|	|	|	0.40
155.167	0.00	0.19	0.575	O	|	|	|	|	0.40
155.250	0.00	0.19	0.574	O	|	|	|	|	0.40
155.333	0.00	0.19	0.573	O	|	|	|	|	0.40
155.417	0.00	0.19	0.572	O	|	|	|	|	0.39
155.500	0.00	0.18	0.570	O	|	|	|	|	0.39
155.583	0.00	0.18	0.569	O	|	|	|	|	0.39
155.667	0.00	0.18	0.568	O	|	|	|	|	0.39
155.750	0.00	0.18	0.566	O	|	|	|	|	0.39
155.833	0.00	0.18	0.565	O	|	|	|	|	0.39
155.917	0.00	0.18	0.564	O	|	|	|	|	0.39
156.000	0.00	0.18	0.563	O	|	|	|	|	0.39
156.083	0.00	0.18	0.561	O	|	|	|	|	0.39
156.167	0.00	0.18	0.560	O	|	|	|	|	0.39
156.250	0.00	0.18	0.559	O	|	|	|	|	0.39
156.333	0.00	0.18	0.558	O	|	|	|	|	0.38
156.417	0.00	0.18	0.556	O	|	|	|	|	0.38
156.500	0.00	0.18	0.555	O	|	|	|	|	0.38

156.583	0.00	0.18	0.554	O	|	|	|	0.38
156.667	0.00	0.18	0.553	O	|	|	|	0.38
156.750	0.00	0.18	0.552	O	|	|	|	0.38
156.833	0.00	0.18	0.550	O	|	|	|	0.38
156.917	0.00	0.18	0.549	O	|	|	|	0.38
157.000	0.00	0.18	0.548	O	|	|	|	0.38
157.083	0.00	0.18	0.547	O	|	|	|	0.38
157.167	0.00	0.18	0.545	O	|	|	|	0.38
157.250	0.00	0.18	0.544	O	|	|	|	0.38
157.333	0.00	0.18	0.543	O	|	|	|	0.37
157.417	0.00	0.18	0.542	O	|	|	|	0.37
157.500	0.00	0.18	0.541	O	|	|	|	0.37
157.583	0.00	0.17	0.539	O	|	|	|	0.37
157.667	0.00	0.17	0.538	O	|	|	|	0.37
157.750	0.00	0.17	0.537	O	|	|	|	0.37
157.833	0.00	0.17	0.536	O	|	|	|	0.37
157.917	0.00	0.17	0.535	O	|	|	|	0.37
158.000	0.00	0.17	0.533	O	|	|	|	0.37
158.083	0.00	0.17	0.532	O	|	|	|	0.37
158.167	0.00	0.17	0.531	O	|	|	|	0.37
158.250	0.00	0.17	0.530	O	|	|	|	0.37
158.333	0.00	0.17	0.529	O	|	|	|	0.36
158.417	0.00	0.17	0.527	O	|	|	|	0.36
158.500	0.00	0.17	0.526	O	|	|	|	0.36
158.583	0.00	0.17	0.525	O	|	|	|	0.36
158.667	0.00	0.17	0.524	O	|	|	|	0.36
158.750	0.00	0.17	0.523	O	|	|	|	0.36
158.833	0.00	0.17	0.522	O	|	|	|	0.36
158.917	0.00	0.17	0.520	O	|	|	|	0.36
159.000	0.00	0.17	0.519	O	|	|	|	0.36
159.083	0.00	0.17	0.518	O	|	|	|	0.36
159.167	0.00	0.17	0.517	O	|	|	|	0.36
159.250	0.00	0.17	0.516	O	|	|	|	0.36
159.333	0.00	0.17	0.515	O	|	|	|	0.35
159.417	0.00	0.17	0.513	O	|	|	|	0.35
159.500	0.00	0.17	0.512	O	|	|	|	0.35
159.583	0.00	0.17	0.511	O	|	|	|	0.35
159.667	0.00	0.17	0.510	O	|	|	|	0.35
159.750	0.00	0.16	0.509	O	|	|	|	0.35
159.833	0.00	0.16	0.508	O	|	|	|	0.35
159.917	0.00	0.16	0.507	O	|	|	|	0.35
160.000	0.00	0.16	0.506	O	|	|	|	0.35
160.083	0.00	0.16	0.504	O	|	|	|	0.35
160.167	0.00	0.16	0.503	O	|	|	|	0.35
160.250	0.00	0.16	0.502	O	|	|	|	0.35
160.333	0.00	0.16	0.501	O	|	|	|	0.35
160.417	0.00	0.16	0.500	O	|	|	|	0.34
160.500	0.00	0.16	0.499	O	|	|	|	0.34
160.583	0.00	0.16	0.498	O	|	|	|	0.34
160.667	0.00	0.16	0.497	O	|	|	|	0.34
160.750	0.00	0.16	0.495	O	|	|	|	0.34
160.833	0.00	0.16	0.494	O	|	|	|	0.34
160.917	0.00	0.16	0.493	O	|	|	|	0.34
161.000	0.00	0.16	0.492	O	|	|	|	0.34
161.083	0.00	0.16	0.491	O	|	|	|	0.34
161.167	0.00	0.16	0.490	O	|	|	|	0.34
161.250	0.00	0.16	0.489	O	|	|	|	0.34
161.333	0.00	0.16	0.488	O	|	|	|	0.34
161.417	0.00	0.16	0.487	O	|	|	|	0.34
161.500	0.00	0.16	0.486	O	|	|	|	0.33
161.583	0.00	0.16	0.485	O	|	|	|	0.33
161.667	0.00	0.16	0.483	O	|	|	|	0.33
161.750	0.00	0.16	0.482	O	|	|	|	0.33
161.833	0.00	0.16	0.481	O	|	|	|	0.33
161.917	0.00	0.16	0.480	O	|	|	|	0.33
162.000	0.00	0.16	0.479	O	|	|	|	0.33
162.083	0.00	0.15	0.478	O	|	|	|	0.33

162.167	0.00	0.15	0.477	O	|	|	|	|	0.33
162.250	0.00	0.15	0.476	O	|	|	|	|	0.33
162.333	0.00	0.15	0.475	O	|	|	|	|	0.33
162.417	0.00	0.15	0.474	O	|	|	|	|	0.33
162.500	0.00	0.15	0.473	O	|	|	|	|	0.33
162.583	0.00	0.15	0.472	O	|	|	|	|	0.33
162.667	0.00	0.15	0.471	O	|	|	|	|	0.32
162.750	0.00	0.15	0.470	O	|	|	|	|	0.32
162.833	0.00	0.15	0.469	O	|	|	|	|	0.32
162.917	0.00	0.15	0.468	O	|	|	|	|	0.32
163.000	0.00	0.15	0.466	O	|	|	|	|	0.32
163.083	0.00	0.15	0.465	O	|	|	|	|	0.32
163.167	0.00	0.15	0.464	O	|	|	|	|	0.32
163.250	0.00	0.15	0.463	O	|	|	|	|	0.32
163.333	0.00	0.15	0.462	O	|	|	|	|	0.32
163.417	0.00	0.15	0.461	O	|	|	|	|	0.32
163.500	0.00	0.15	0.460	O	|	|	|	|	0.32
163.583	0.00	0.15	0.459	O	|	|	|	|	0.32
163.667	0.00	0.15	0.458	O	|	|	|	|	0.32
163.750	0.00	0.15	0.457	O	|	|	|	|	0.32
163.833	0.00	0.15	0.456	O	|	|	|	|	0.31
163.917	0.00	0.15	0.455	O	|	|	|	|	0.31
164.000	0.00	0.15	0.454	O	|	|	|	|	0.31
164.083	0.00	0.15	0.453	O	|	|	|	|	0.31
164.167	0.00	0.15	0.452	O	|	|	|	|	0.31
164.250	0.00	0.15	0.451	O	|	|	|	|	0.31
164.333	0.00	0.15	0.450	O	|	|	|	|	0.31
164.417	0.00	0.15	0.449	O	|	|	|	|	0.31
164.500	0.00	0.15	0.448	O	|	|	|	|	0.31
164.583	0.00	0.14	0.447	O	|	|	|	|	0.31
164.667	0.00	0.14	0.446	O	|	|	|	|	0.31
164.750	0.00	0.14	0.445	O	|	|	|	|	0.31
164.833	0.00	0.14	0.444	O	|	|	|	|	0.31
164.917	0.00	0.14	0.443	O	|	|	|	|	0.31
165.000	0.00	0.14	0.442	O	|	|	|	|	0.30
165.083	0.00	0.14	0.441	O	|	|	|	|	0.30
165.167	0.00	0.14	0.440	O	|	|	|	|	0.30
165.250	0.00	0.14	0.439	O	|	|	|	|	0.30
165.333	0.00	0.14	0.438	O	|	|	|	|	0.30
165.417	0.00	0.14	0.437	O	|	|	|	|	0.30
165.500	0.00	0.14	0.436	O	|	|	|	|	0.30
165.583	0.00	0.14	0.435	O	|	|	|	|	0.30
165.667	0.00	0.14	0.434	O	|	|	|	|	0.30
165.750	0.00	0.14	0.433	O	|	|	|	|	0.30
165.833	0.00	0.14	0.432	O	|	|	|	|	0.30
165.917	0.00	0.14	0.431	O	|	|	|	|	0.30
166.000	0.00	0.14	0.430	O	|	|	|	|	0.30
166.083	0.00	0.14	0.430	O	|	|	|	|	0.30
166.167	0.00	0.14	0.429	O	|	|	|	|	0.30
166.250	0.00	0.14	0.428	O	|	|	|	|	0.29
166.333	0.00	0.14	0.427	O	|	|	|	|	0.29
166.417	0.00	0.14	0.426	O	|	|	|	|	0.29
166.500	0.00	0.14	0.425	O	|	|	|	|	0.29
166.583	0.00	0.14	0.424	O	|	|	|	|	0.29
166.667	0.00	0.14	0.423	O	|	|	|	|	0.29
166.750	0.00	0.14	0.422	O	|	|	|	|	0.29
166.833	0.00	0.14	0.421	O	|	|	|	|	0.29
166.917	0.00	0.14	0.420	O	|	|	|	|	0.29
167.000	0.00	0.14	0.419	O	|	|	|	|	0.29
167.083	0.00	0.14	0.418	O	|	|	|	|	0.29
167.167	0.00	0.14	0.417	O	|	|	|	|	0.29
167.250	0.00	0.13	0.416	O	|	|	|	|	0.29
167.333	0.00	0.13	0.415	O	|	|	|	|	0.29
167.417	0.00	0.13	0.414	O	|	|	|	|	0.29
167.500	0.00	0.13	0.414	O	|	|	|	|	0.29
167.583	0.00	0.13	0.413	O	|	|	|	|	0.28
167.667	0.00	0.13	0.412	O	|	|	|	|	0.28

167.750	0.00	0.13	0.411	O	|	|	|	|	0.28
167.833	0.00	0.13	0.410	O	|	|	|	|	0.28
167.917	0.00	0.13	0.409	O	|	|	|	|	0.28
168.000	0.00	0.13	0.408	O	|	|	|	|	0.28
168.083	0.00	0.13	0.407	O	|	|	|	|	0.28
168.167	0.00	0.13	0.406	O	|	|	|	|	0.28
168.250	0.00	0.13	0.405	O	|	|	|	|	0.28
168.333	0.00	0.13	0.404	O	|	|	|	|	0.28
168.417	0.00	0.13	0.403	O	|	|	|	|	0.28
168.500	0.00	0.13	0.403	O	|	|	|	|	0.28
168.583	0.00	0.13	0.402	O	|	|	|	|	0.28
168.667	0.00	0.13	0.401	O	|	|	|	|	0.28
168.750	0.00	0.13	0.400	O	|	|	|	|	0.28
168.833	0.00	0.13	0.399	O	|	|	|	|	0.28
168.917	0.00	0.13	0.398	O	|	|	|	|	0.27
169.000	0.00	0.13	0.397	O	|	|	|	|	0.27
169.083	0.00	0.13	0.396	O	|	|	|	|	0.27
169.167	0.00	0.13	0.395	O	|	|	|	|	0.27
169.250	0.00	0.13	0.395	O	|	|	|	|	0.27
169.333	0.00	0.13	0.394	O	|	|	|	|	0.27
169.417	0.00	0.13	0.393	O	|	|	|	|	0.27
169.500	0.00	0.13	0.392	O	|	|	|	|	0.27
169.583	0.00	0.13	0.391	O	|	|	|	|	0.27
169.667	0.00	0.13	0.390	O	|	|	|	|	0.27
169.750	0.00	0.13	0.389	O	|	|	|	|	0.27
169.833	0.00	0.13	0.388	O	|	|	|	|	0.27
169.917	0.00	0.13	0.388	O	|	|	|	|	0.27
170.000	0.00	0.13	0.387	O	|	|	|	|	0.27
170.083	0.00	0.13	0.386	O	|	|	|	|	0.27
170.167	0.00	0.12	0.385	O	|	|	|	|	0.27
170.250	0.00	0.12	0.384	O	|	|	|	|	0.26
170.333	0.00	0.12	0.383	O	|	|	|	|	0.26
170.417	0.00	0.12	0.382	O	|	|	|	|	0.26
170.500	0.00	0.12	0.382	O	|	|	|	|	0.26
170.583	0.00	0.12	0.381	O	|	|	|	|	0.26
170.667	0.00	0.12	0.380	O	|	|	|	|	0.26
170.750	0.00	0.12	0.379	O	|	|	|	|	0.26
170.833	0.00	0.12	0.378	O	|	|	|	|	0.26
170.917	0.00	0.12	0.377	O	|	|	|	|	0.26
171.000	0.00	0.12	0.377	O	|	|	|	|	0.26
171.083	0.00	0.12	0.376	O	|	|	|	|	0.26
171.167	0.00	0.12	0.375	O	|	|	|	|	0.26
171.250	0.00	0.12	0.374	O	|	|	|	|	0.26
171.333	0.00	0.12	0.373	O	|	|	|	|	0.26
171.417	0.00	0.12	0.372	O	|	|	|	|	0.26
171.500	0.00	0.12	0.371	O	|	|	|	|	0.26
171.583	0.00	0.12	0.371	O	|	|	|	|	0.26
171.667	0.00	0.12	0.370	O	|	|	|	|	0.26
171.750	0.00	0.12	0.369	O	|	|	|	|	0.25
171.833	0.00	0.12	0.368	O	|	|	|	|	0.25
171.917	0.00	0.12	0.367	O	|	|	|	|	0.25
172.000	0.00	0.12	0.367	O	|	|	|	|	0.25
172.083	0.00	0.12	0.366	O	|	|	|	|	0.25
172.167	0.00	0.12	0.365	O	|	|	|	|	0.25
172.250	0.00	0.12	0.364	O	|	|	|	|	0.25
172.333	0.00	0.12	0.363	O	|	|	|	|	0.25
172.417	0.00	0.12	0.362	O	|	|	|	|	0.25
172.500	0.00	0.12	0.362	O	|	|	|	|	0.25
172.583	0.00	0.12	0.361	O	|	|	|	|	0.25
172.667	0.00	0.12	0.360	O	|	|	|	|	0.25
172.750	0.00	0.12	0.359	O	|	|	|	|	0.25
172.833	0.00	0.12	0.358	O	|	|	|	|	0.25
172.917	0.00	0.12	0.358	O	|	|	|	|	0.25
173.000	0.00	0.12	0.357	O	|	|	|	|	0.25
173.083	0.00	0.12	0.356	O	|	|	|	|	0.25
173.167	0.00	0.12	0.355	O	|	|	|	|	0.25
173.250	0.00	0.11	0.354	O	|	|	|	|	0.24

173.333	0.00	0.11	0.354	O	|	|	|	|	0.24
173.417	0.00	0.11	0.353	O	|	|	|	|	0.24
173.500	0.00	0.11	0.352	O	|	|	|	|	0.24
173.583	0.00	0.11	0.351	O	|	|	|	|	0.24
173.667	0.00	0.11	0.351	O	|	|	|	|	0.24
173.750	0.00	0.11	0.350	O	|	|	|	|	0.24
173.833	0.00	0.11	0.349	O	|	|	|	|	0.24
173.917	0.00	0.11	0.348	O	|	|	|	|	0.24
174.000	0.00	0.11	0.347	O	|	|	|	|	0.24
174.083	0.00	0.11	0.347	O	|	|	|	|	0.24
174.167	0.00	0.11	0.346	O	|	|	|	|	0.24
174.250	0.00	0.11	0.345	O	|	|	|	|	0.24
174.333	0.00	0.11	0.344	O	|	|	|	|	0.24
174.417	0.00	0.11	0.344	O	|	|	|	|	0.24
174.500	0.00	0.11	0.343	O	|	|	|	|	0.24
174.583	0.00	0.11	0.342	O	|	|	|	|	0.24
174.667	0.00	0.11	0.341	O	|	|	|	|	0.24
174.750	0.00	0.11	0.341	O	|	|	|	|	0.23
174.833	0.00	0.11	0.340	O	|	|	|	|	0.23
174.917	0.00	0.11	0.339	O	|	|	|	|	0.23
175.000	0.00	0.11	0.338	O	|	|	|	|	0.23
175.083	0.00	0.11	0.337	O	|	|	|	|	0.23
175.167	0.00	0.11	0.337	O	|	|	|	|	0.23
175.250	0.00	0.11	0.336	O	|	|	|	|	0.23
175.333	0.00	0.11	0.335	O	|	|	|	|	0.23
175.417	0.00	0.11	0.334	O	|	|	|	|	0.23
175.500	0.00	0.11	0.334	O	|	|	|	|	0.23
175.583	0.00	0.11	0.333	O	|	|	|	|	0.23
175.667	0.00	0.11	0.332	O	|	|	|	|	0.23
175.750	0.00	0.11	0.332	O	|	|	|	|	0.23
175.833	0.00	0.11	0.331	O	|	|	|	|	0.23
175.917	0.00	0.11	0.330	O	|	|	|	|	0.23
176.000	0.00	0.11	0.329	O	|	|	|	|	0.23
176.083	0.00	0.11	0.329	O	|	|	|	|	0.23
176.167	0.00	0.11	0.328	O	|	|	|	|	0.23
176.250	0.00	0.11	0.327	O	|	|	|	|	0.23
176.333	0.00	0.11	0.326	O	|	|	|	|	0.23
176.417	0.00	0.11	0.326	O	|	|	|	|	0.22
176.500	0.00	0.11	0.325	O	|	|	|	|	0.22
176.583	0.00	0.11	0.324	O	|	|	|	|	0.22
176.667	0.00	0.10	0.323	O	|	|	|	|	0.22
176.750	0.00	0.10	0.323	O	|	|	|	|	0.22
176.833	0.00	0.10	0.322	O	|	|	|	|	0.22
176.917	0.00	0.10	0.321	O	|	|	|	|	0.22
177.000	0.00	0.10	0.321	O	|	|	|	|	0.22
177.083	0.00	0.10	0.320	O	|	|	|	|	0.22
177.167	0.00	0.10	0.319	O	|	|	|	|	0.22
177.250	0.00	0.10	0.318	O	|	|	|	|	0.22
177.333	0.00	0.10	0.318	O	|	|	|	|	0.22
177.417	0.00	0.10	0.317	O	|	|	|	|	0.22
177.500	0.00	0.10	0.316	O	|	|	|	|	0.22
177.583	0.00	0.10	0.316	O	|	|	|	|	0.22
177.667	0.00	0.10	0.315	O	|	|	|	|	0.22
177.750	0.00	0.10	0.314	O	|	|	|	|	0.22
177.833	0.00	0.10	0.314	O	|	|	|	|	0.22
177.917	0.00	0.10	0.313	O	|	|	|	|	0.22
178.000	0.00	0.10	0.312	O	|	|	|	|	0.22
178.083	0.00	0.10	0.311	O	|	|	|	|	0.21
178.167	0.00	0.10	0.311	O	|	|	|	|	0.21
178.250	0.00	0.10	0.310	O	|	|	|	|	0.21
178.333	0.00	0.10	0.309	O	|	|	|	|	0.21
178.417	0.00	0.10	0.309	O	|	|	|	|	0.21
178.500	0.00	0.10	0.308	O	|	|	|	|	0.21
178.583	0.00	0.10	0.307	O	|	|	|	|	0.21
178.667	0.00	0.10	0.307	O	|	|	|	|	0.21
178.750	0.00	0.10	0.306	O	|	|	|	|	0.21
178.833	0.00	0.10	0.305	O	|	|	|	|	0.21

178.917	0.00	0.10	0.305	O	|	|	|	|	0.21
179.000	0.00	0.10	0.304	O	|	|	|	|	0.21
179.083	0.00	0.10	0.303	O	|	|	|	|	0.21
179.167	0.00	0.10	0.303	O	|	|	|	|	0.21
179.250	0.00	0.10	0.302	O	|	|	|	|	0.21
179.333	0.00	0.10	0.301	O	|	|	|	|	0.21
179.417	0.00	0.10	0.301	O	|	|	|	|	0.21
179.500	0.00	0.10	0.300	O	|	|	|	|	0.21
179.583	0.00	0.10	0.299	O	|	|	|	|	0.21
179.667	0.00	0.10	0.299	O	|	|	|	|	0.21
179.750	0.00	0.10	0.298	O	|	|	|	|	0.21
179.833	0.00	0.10	0.297	O	|	|	|	|	0.20
179.917	0.00	0.10	0.297	O	|	|	|	|	0.20
180.000	0.00	0.10	0.296	O	|	|	|	|	0.20
180.083	0.00	0.10	0.295	O	|	|	|	|	0.20
180.167	0.00	0.10	0.295	O	|	|	|	|	0.20
180.250	0.00	0.10	0.294	O	|	|	|	|	0.20
180.333	0.00	0.10	0.293	O	|	|	|	|	0.20
180.417	0.00	0.09	0.293	O	|	|	|	|	0.20
180.500	0.00	0.09	0.292	O	|	|	|	|	0.20
180.583	0.00	0.09	0.291	O	|	|	|	|	0.20
180.667	0.00	0.09	0.291	O	|	|	|	|	0.20
180.750	0.00	0.09	0.290	O	|	|	|	|	0.20
180.833	0.00	0.09	0.289	O	|	|	|	|	0.20
180.917	0.00	0.09	0.289	O	|	|	|	|	0.20
181.000	0.00	0.09	0.288	O	|	|	|	|	0.20
181.083	0.00	0.09	0.287	O	|	|	|	|	0.20
181.167	0.00	0.09	0.287	O	|	|	|	|	0.20
181.250	0.00	0.09	0.286	O	|	|	|	|	0.20
181.333	0.00	0.09	0.285	O	|	|	|	|	0.20
181.417	0.00	0.09	0.285	O	|	|	|	|	0.20
181.500	0.00	0.09	0.284	O	|	|	|	|	0.20
181.583	0.00	0.09	0.284	O	|	|	|	|	0.20
181.667	0.00	0.09	0.283	O	|	|	|	|	0.20
181.750	0.00	0.09	0.282	O	|	|	|	|	0.19
181.833	0.00	0.09	0.282	O	|	|	|	|	0.19
181.917	0.00	0.09	0.281	O	|	|	|	|	0.19
182.000	0.00	0.09	0.280	O	|	|	|	|	0.19
182.083	0.00	0.09	0.280	O	|	|	|	|	0.19
182.167	0.00	0.09	0.279	O	|	|	|	|	0.19
182.250	0.00	0.09	0.279	O	|	|	|	|	0.19
182.333	0.00	0.09	0.278	O	|	|	|	|	0.19
182.417	0.00	0.09	0.277	O	|	|	|	|	0.19
182.500	0.00	0.09	0.277	O	|	|	|	|	0.19
182.583	0.00	0.09	0.276	O	|	|	|	|	0.19
182.667	0.00	0.09	0.275	O	|	|	|	|	0.19
182.750	0.00	0.09	0.275	O	|	|	|	|	0.19
182.833	0.00	0.09	0.274	O	|	|	|	|	0.19
182.917	0.00	0.09	0.274	O	|	|	|	|	0.19
183.000	0.00	0.09	0.273	O	|	|	|	|	0.19
183.083	0.00	0.09	0.272	O	|	|	|	|	0.19
183.167	0.00	0.09	0.272	O	|	|	|	|	0.19
183.250	0.00	0.09	0.271	O	|	|	|	|	0.19
183.333	0.00	0.09	0.271	O	|	|	|	|	0.19
183.417	0.00	0.09	0.270	O	|	|	|	|	0.19
183.500	0.00	0.09	0.269	O	|	|	|	|	0.19
183.583	0.00	0.09	0.269	O	|	|	|	|	0.19
183.667	0.00	0.09	0.268	O	|	|	|	|	0.18
183.750	0.00	0.09	0.268	O	|	|	|	|	0.18
183.833	0.00	0.09	0.267	O	|	|	|	|	0.18
183.917	0.00	0.09	0.266	O	|	|	|	|	0.18
184.000	0.00	0.09	0.266	O	|	|	|	|	0.18
184.083	0.00	0.09	0.265	O	|	|	|	|	0.18
184.167	0.00	0.09	0.265	O	|	|	|	|	0.18
184.250	0.00	0.09	0.264	O	|	|	|	|	0.18
184.333	0.00	0.09	0.263	O	|	|	|	|	0.18
184.417	0.00	0.09	0.263	O	|	|	|	|	0.18

184.500	0.00	0.09	0.262	O	|	|	|	|	0.18
184.583	0.00	0.08	0.262	O	|	|	|	|	0.18
184.667	0.00	0.08	0.261	O	|	|	|	|	0.18
184.750	0.00	0.08	0.260	O	|	|	|	|	0.18
184.833	0.00	0.08	0.260	O	|	|	|	|	0.18
184.917	0.00	0.08	0.259	O	|	|	|	|	0.18
185.000	0.00	0.08	0.259	O	|	|	|	|	0.18
185.083	0.00	0.08	0.258	O	|	|	|	|	0.18
185.167	0.00	0.08	0.258	O	|	|	|	|	0.18
185.250	0.00	0.08	0.257	O	|	|	|	|	0.18
185.333	0.00	0.08	0.256	O	|	|	|	|	0.18
185.417	0.00	0.08	0.256	O	|	|	|	|	0.18
185.500	0.00	0.08	0.255	O	|	|	|	|	0.18
185.583	0.00	0.08	0.255	O	|	|	|	|	0.18
185.667	0.00	0.08	0.254	O	|	|	|	|	0.18
185.750	0.00	0.08	0.254	O	|	|	|	|	0.17
185.833	0.00	0.08	0.253	O	|	|	|	|	0.17
185.917	0.00	0.08	0.252	O	|	|	|	|	0.17
186.000	0.00	0.08	0.252	O	|	|	|	|	0.17
186.083	0.00	0.08	0.251	O	|	|	|	|	0.17
186.167	0.00	0.08	0.251	O	|	|	|	|	0.17
186.250	0.00	0.08	0.250	O	|	|	|	|	0.17
186.333	0.00	0.08	0.250	O	|	|	|	|	0.17
186.417	0.00	0.08	0.249	O	|	|	|	|	0.17
186.500	0.00	0.08	0.249	O	|	|	|	|	0.17
186.583	0.00	0.08	0.248	O	|	|	|	|	0.17
186.667	0.00	0.08	0.247	O	|	|	|	|	0.17
186.750	0.00	0.08	0.247	O	|	|	|	|	0.17
186.833	0.00	0.08	0.246	O	|	|	|	|	0.17
186.917	0.00	0.08	0.246	O	|	|	|	|	0.17
187.000	0.00	0.08	0.245	O	|	|	|	|	0.17
187.083	0.00	0.08	0.245	O	|	|	|	|	0.17
187.167	0.00	0.08	0.244	O	|	|	|	|	0.17
187.250	0.00	0.08	0.244	O	|	|	|	|	0.17
187.333	0.00	0.08	0.243	O	|	|	|	|	0.17
187.417	0.00	0.08	0.243	O	|	|	|	|	0.17
187.500	0.00	0.08	0.242	O	|	|	|	|	0.17
187.583	0.00	0.08	0.241	O	|	|	|	|	0.17
187.667	0.00	0.08	0.241	O	|	|	|	|	0.17
187.750	0.00	0.08	0.240	O	|	|	|	|	0.17
187.833	0.00	0.08	0.240	O	|	|	|	|	0.17
187.917	0.00	0.08	0.239	O	|	|	|	|	0.17
188.000	0.00	0.08	0.239	O	|	|	|	|	0.16
188.083	0.00	0.08	0.238	O	|	|	|	|	0.16
188.167	0.00	0.08	0.238	O	|	|	|	|	0.16
188.250	0.00	0.08	0.237	O	|	|	|	|	0.16
188.333	0.00	0.08	0.237	O	|	|	|	|	0.16
188.417	0.00	0.08	0.236	O	|	|	|	|	0.16
188.500	0.00	0.08	0.236	O	|	|	|	|	0.16
188.583	0.00	0.08	0.235	O	|	|	|	|	0.16
188.667	0.00	0.08	0.235	O	|	|	|	|	0.16
188.750	0.00	0.08	0.234	O	|	|	|	|	0.16
188.833	0.00	0.08	0.234	O	|	|	|	|	0.16
188.917	0.00	0.08	0.233	O	|	|	|	|	0.16
189.000	0.00	0.08	0.232	O	|	|	|	|	0.16
189.083	0.00	0.08	0.232	O	|	|	|	|	0.16
189.167	0.00	0.08	0.231	O	|	|	|	|	0.16
189.250	0.00	0.07	0.231	O	|	|	|	|	0.16
189.333	0.00	0.07	0.230	O	|	|	|	|	0.16
189.417	0.00	0.07	0.230	O	|	|	|	|	0.16
189.500	0.00	0.07	0.229	O	|	|	|	|	0.16
189.583	0.00	0.07	0.229	O	|	|	|	|	0.16
189.667	0.00	0.07	0.228	O	|	|	|	|	0.16
189.750	0.00	0.07	0.228	O	|	|	|	|	0.16
189.833	0.00	0.07	0.227	O	|	|	|	|	0.16
189.917	0.00	0.07	0.227	O	|	|	|	|	0.16
190.000	0.00	0.07	0.226	O	|	|	|	|	0.16

190.083	0.00	0.07	0.226	O	|	|	|	0.16
190.167	0.00	0.07	0.225	O	|	|	|	0.16
190.250	0.00	0.07	0.225	O	|	|	|	0.16
190.333	0.00	0.07	0.224	O	|	|	|	0.15
190.417	0.00	0.07	0.224	O	|	|	|	0.15
190.500	0.00	0.07	0.223	O	|	|	|	0.15
190.583	0.00	0.07	0.223	O	|	|	|	0.15
190.667	0.00	0.07	0.222	O	|	|	|	0.15
190.750	0.00	0.07	0.222	O	|	|	|	0.15
190.833	0.00	0.07	0.221	O	|	|	|	0.15
190.917	0.00	0.07	0.221	O	|	|	|	0.15
191.000	0.00	0.07	0.220	O	|	|	|	0.15
191.083	0.00	0.07	0.220	O	|	|	|	0.15
191.167	0.00	0.07	0.219	O	|	|	|	0.15
191.250	0.00	0.07	0.219	O	|	|	|	0.15
191.333	0.00	0.07	0.218	O	|	|	|	0.15
191.417	0.00	0.07	0.218	O	|	|	|	0.15
191.500	0.00	0.07	0.217	O	|	|	|	0.15
191.583	0.00	0.07	0.217	O	|	|	|	0.15
191.667	0.00	0.07	0.216	O	|	|	|	0.15
191.750	0.00	0.07	0.216	O	|	|	|	0.15
191.833	0.00	0.07	0.215	O	|	|	|	0.15
191.917	0.00	0.07	0.215	O	|	|	|	0.15
192.000	0.00	0.07	0.215	O	|	|	|	0.15
192.083	0.00	0.07	0.214	O	|	|	|	0.15
192.167	0.00	0.07	0.214	O	|	|	|	0.15
192.250	0.00	0.07	0.213	O	|	|	|	0.15
192.333	0.00	0.07	0.213	O	|	|	|	0.15
192.417	0.00	0.07	0.212	O	|	|	|	0.15
192.500	0.00	0.07	0.212	O	|	|	|	0.15
192.583	0.00	0.07	0.211	O	|	|	|	0.15
192.667	0.00	0.07	0.211	O	|	|	|	0.15
192.750	0.00	0.07	0.210	O	|	|	|	0.14
192.833	0.00	0.07	0.210	O	|	|	|	0.14
192.917	0.00	0.07	0.209	O	|	|	|	0.14
193.000	0.00	0.07	0.209	O	|	|	|	0.14
193.083	0.00	0.07	0.208	O	|	|	|	0.14
193.167	0.00	0.07	0.208	O	|	|	|	0.14
193.250	0.00	0.07	0.207	O	|	|	|	0.14
193.333	0.00	0.07	0.207	O	|	|	|	0.14
193.417	0.00	0.07	0.207	O	|	|	|	0.14
193.500	0.00	0.07	0.206	O	|	|	|	0.14
193.583	0.00	0.07	0.206	O	|	|	|	0.14
193.667	0.00	0.07	0.205	O	|	|	|	0.14
193.750	0.00	0.07	0.205	O	|	|	|	0.14
193.833	0.00	0.07	0.204	O	|	|	|	0.14
193.917	0.00	0.07	0.204	O	|	|	|	0.14
194.000	0.00	0.07	0.203	O	|	|	|	0.14
194.083	0.00	0.07	0.203	O	|	|	|	0.14
194.167	0.00	0.07	0.202	O	|	|	|	0.14
194.250	0.00	0.07	0.202	O	|	|	|	0.14
194.333	0.00	0.07	0.202	O	|	|	|	0.14
194.417	0.00	0.07	0.201	O	|	|	|	0.14
194.500	0.00	0.07	0.201	O	|	|	|	0.14
194.583	0.00	0.06	0.200	O	|	|	|	0.14
194.667	0.00	0.06	0.200	O	|	|	|	0.14
194.750	0.00	0.06	0.199	O	|	|	|	0.14
194.833	0.00	0.06	0.199	O	|	|	|	0.14
194.917	0.00	0.06	0.198	O	|	|	|	0.14
195.000	0.00	0.06	0.198	O	|	|	|	0.14
195.083	0.00	0.06	0.198	O	|	|	|	0.14
195.167	0.00	0.06	0.197	O	|	|	|	0.14
195.250	0.00	0.06	0.197	O	|	|	|	0.14
195.333	0.00	0.06	0.196	O	|	|	|	0.14
195.417	0.00	0.06	0.196	O	|	|	|	0.14
195.500	0.00	0.06	0.195	O	|	|	|	0.13
195.583	0.00	0.06	0.195	O	|	|	|	0.13

195.667	0.00	0.06	0.194	O	|	|	|	|	0.13
195.750	0.00	0.06	0.194	O	|	|	|	|	0.13
195.833	0.00	0.06	0.194	O	|	|	|	|	0.13
195.917	0.00	0.06	0.193	O	|	|	|	|	0.13
196.000	0.00	0.06	0.193	O	|	|	|	|	0.13
196.083	0.00	0.06	0.192	O	|	|	|	|	0.13
196.167	0.00	0.06	0.192	O	|	|	|	|	0.13
196.250	0.00	0.06	0.191	O	|	|	|	|	0.13
196.333	0.00	0.06	0.191	O	|	|	|	|	0.13
196.417	0.00	0.06	0.191	O	|	|	|	|	0.13
196.500	0.00	0.06	0.190	O	|	|	|	|	0.13
196.583	0.00	0.06	0.190	O	|	|	|	|	0.13
196.667	0.00	0.06	0.189	O	|	|	|	|	0.13
196.750	0.00	0.06	0.189	O	|	|	|	|	0.13
196.833	0.00	0.06	0.188	O	|	|	|	|	0.13
196.917	0.00	0.06	0.188	O	|	|	|	|	0.13
197.000	0.00	0.06	0.188	O	|	|	|	|	0.13
197.083	0.00	0.06	0.187	O	|	|	|	|	0.13
197.167	0.00	0.06	0.187	O	|	|	|	|	0.13
197.250	0.00	0.06	0.186	O	|	|	|	|	0.13
197.333	0.00	0.06	0.186	O	|	|	|	|	0.13
197.417	0.00	0.06	0.186	O	|	|	|	|	0.13
197.500	0.00	0.06	0.185	O	|	|	|	|	0.13
197.583	0.00	0.06	0.185	O	|	|	|	|	0.13
197.667	0.00	0.06	0.184	O	|	|	|	|	0.13
197.750	0.00	0.06	0.184	O	|	|	|	|	0.13
197.833	0.00	0.06	0.183	O	|	|	|	|	0.13
197.917	0.00	0.06	0.183	O	|	|	|	|	0.13
198.000	0.00	0.06	0.183	O	|	|	|	|	0.13
198.083	0.00	0.06	0.182	O	|	|	|	|	0.13
198.167	0.00	0.06	0.182	O	|	|	|	|	0.13
198.250	0.00	0.06	0.181	O	|	|	|	|	0.13
198.333	0.00	0.06	0.181	O	|	|	|	|	0.12
198.417	0.00	0.06	0.181	O	|	|	|	|	0.12
198.500	0.00	0.06	0.180	O	|	|	|	|	0.12
198.583	0.00	0.06	0.180	O	|	|	|	|	0.12
198.667	0.00	0.06	0.179	O	|	|	|	|	0.12
198.750	0.00	0.06	0.179	O	|	|	|	|	0.12
198.833	0.00	0.06	0.179	O	|	|	|	|	0.12
198.917	0.00	0.06	0.178	O	|	|	|	|	0.12
199.000	0.00	0.06	0.178	O	|	|	|	|	0.12
199.083	0.00	0.06	0.177	O	|	|	|	|	0.12
199.167	0.00	0.06	0.177	O	|	|	|	|	0.12
199.250	0.00	0.06	0.177	O	|	|	|	|	0.12
199.333	0.00	0.06	0.176	O	|	|	|	|	0.12
199.417	0.00	0.06	0.176	O	|	|	|	|	0.12
199.500	0.00	0.06	0.175	O	|	|	|	|	0.12
199.583	0.00	0.06	0.175	O	|	|	|	|	0.12
199.667	0.00	0.06	0.175	O	|	|	|	|	0.12
199.750	0.00	0.06	0.174	O	|	|	|	|	0.12
199.833	0.00	0.06	0.174	O	|	|	|	|	0.12
199.917	0.00	0.06	0.174	O	|	|	|	|	0.12
200.000	0.00	0.06	0.173	O	|	|	|	|	0.12
200.083	0.00	0.06	0.173	O	|	|	|	|	0.12
200.167	0.00	0.06	0.172	O	|	|	|	|	0.12
200.250	0.00	0.06	0.172	O	|	|	|	|	0.12
200.333	0.00	0.06	0.172	O	|	|	|	|	0.12
200.417	0.00	0.06	0.171	O	|	|	|	|	0.12
200.500	0.00	0.06	0.171	O	|	|	|	|	0.12
200.583	0.00	0.06	0.170	O	|	|	|	|	0.12
200.667	0.00	0.06	0.170	O	|	|	|	|	0.12
200.750	0.00	0.06	0.170	O	|	|	|	|	0.12
200.833	0.00	0.05	0.169	O	|	|	|	|	0.12
200.917	0.00	0.05	0.169	O	|	|	|	|	0.12
201.000	0.00	0.05	0.169	O	|	|	|	|	0.12
201.083	0.00	0.05	0.168	O	|	|	|	|	0.12
201.167	0.00	0.05	0.168	O	|	|	|	|	0.12

201.250	0.00	0.05	0.167	O	|	|	|	|	0.12
201.333	0.00	0.05	0.167	O	|	|	|	|	0.12
201.417	0.00	0.05	0.167	O	|	|	|	|	0.11
201.500	0.00	0.05	0.166	O	|	|	|	|	0.11
201.583	0.00	0.05	0.166	O	|	|	|	|	0.11
201.667	0.00	0.05	0.166	O	|	|	|	|	0.11
201.750	0.00	0.05	0.165	O	|	|	|	|	0.11
201.833	0.00	0.05	0.165	O	|	|	|	|	0.11
201.917	0.00	0.05	0.164	O	|	|	|	|	0.11
202.000	0.00	0.05	0.164	O	|	|	|	|	0.11
202.083	0.00	0.05	0.164	O	|	|	|	|	0.11
202.167	0.00	0.05	0.163	O	|	|	|	|	0.11
202.250	0.00	0.05	0.163	O	|	|	|	|	0.11
202.333	0.00	0.05	0.163	O	|	|	|	|	0.11
202.417	0.00	0.05	0.162	O	|	|	|	|	0.11
202.500	0.00	0.05	0.162	O	|	|	|	|	0.11
202.583	0.00	0.05	0.162	O	|	|	|	|	0.11
202.667	0.00	0.05	0.161	O	|	|	|	|	0.11
202.750	0.00	0.05	0.161	O	|	|	|	|	0.11
202.833	0.00	0.05	0.160	O	|	|	|	|	0.11
202.917	0.00	0.05	0.160	O	|	|	|	|	0.11
203.000	0.00	0.05	0.160	O	|	|	|	|	0.11
203.083	0.00	0.05	0.159	O	|	|	|	|	0.11
203.167	0.00	0.05	0.159	O	|	|	|	|	0.11
203.250	0.00	0.05	0.159	O	|	|	|	|	0.11
203.333	0.00	0.05	0.158	O	|	|	|	|	0.11
203.417	0.00	0.05	0.158	O	|	|	|	|	0.11
203.500	0.00	0.05	0.158	O	|	|	|	|	0.11
203.583	0.00	0.05	0.157	O	|	|	|	|	0.11
203.667	0.00	0.05	0.157	O	|	|	|	|	0.11
203.750	0.00	0.05	0.157	O	|	|	|	|	0.11
203.833	0.00	0.05	0.156	O	|	|	|	|	0.11
203.917	0.00	0.05	0.156	O	|	|	|	|	0.11
204.000	0.00	0.05	0.156	O	|	|	|	|	0.11
204.083	0.00	0.05	0.155	O	|	|	|	|	0.11
204.167	0.00	0.05	0.155	O	|	|	|	|	0.11
204.250	0.00	0.05	0.155	O	|	|	|	|	0.11
204.333	0.00	0.05	0.154	O	|	|	|	|	0.11
204.417	0.00	0.05	0.154	O	|	|	|	|	0.11
204.500	0.00	0.05	0.153	O	|	|	|	|	0.11
204.583	0.00	0.05	0.153	O	|	|	|	|	0.11
204.667	0.00	0.05	0.153	O	|	|	|	|	0.11
204.750	0.00	0.05	0.152	O	|	|	|	|	0.11
204.833	0.00	0.05	0.152	O	|	|	|	|	0.10
204.917	0.00	0.05	0.152	O	|	|	|	|	0.10
205.000	0.00	0.05	0.151	O	|	|	|	|	0.10
205.083	0.00	0.05	0.151	O	|	|	|	|	0.10
205.167	0.00	0.05	0.151	O	|	|	|	|	0.10
205.250	0.00	0.05	0.150	O	|	|	|	|	0.10
205.333	0.00	0.05	0.150	O	|	|	|	|	0.10
205.417	0.00	0.05	0.150	O	|	|	|	|	0.10
205.500	0.00	0.05	0.149	O	|	|	|	|	0.10
205.583	0.00	0.05	0.149	O	|	|	|	|	0.10
205.667	0.00	0.05	0.149	O	|	|	|	|	0.10
205.750	0.00	0.05	0.148	O	|	|	|	|	0.10
205.833	0.00	0.05	0.148	O	|	|	|	|	0.10
205.917	0.00	0.05	0.148	O	|	|	|	|	0.10
206.000	0.00	0.05	0.147	O	|	|	|	|	0.10
206.083	0.00	0.05	0.147	O	|	|	|	|	0.10
206.167	0.00	0.05	0.147	O	|	|	|	|	0.10
206.250	0.00	0.05	0.146	O	|	|	|	|	0.10
206.333	0.00	0.05	0.146	O	|	|	|	|	0.10
206.417	0.00	0.05	0.146	O	|	|	|	|	0.10
206.500	0.00	0.05	0.145	O	|	|	|	|	0.10
206.583	0.00	0.05	0.145	O	|	|	|	|	0.10
206.667	0.00	0.05	0.145	O	|	|	|	|	0.10
206.750	0.00	0.05	0.144	O	|	|	|	|	0.10

206.833	0.00	0.05	0.144	O	|	|	|	0.10
206.917	0.00	0.05	0.144	O	|	|	|	0.10
207.000	0.00	0.05	0.144	O	|	|	|	0.10
207.083	0.00	0.05	0.143	O	|	|	|	0.10
207.167	0.00	0.05	0.143	O	|	|	|	0.10
207.250	0.00	0.05	0.143	O	|	|	|	0.10
207.333	0.00	0.05	0.142	O	|	|	|	0.10
207.417	0.00	0.05	0.142	O	|	|	|	0.10
207.500	0.00	0.05	0.142	O	|	|	|	0.10
207.583	0.00	0.05	0.141	O	|	|	|	0.10
207.667	0.00	0.05	0.141	O	|	|	|	0.10
207.750	0.00	0.05	0.141	O	|	|	|	0.10
207.833	0.00	0.05	0.140	O	|	|	|	0.10
207.917	0.00	0.05	0.140	O	|	|	|	0.10
208.000	0.00	0.05	0.140	O	|	|	|	0.10
208.083	0.00	0.05	0.139	O	|	|	|	0.10
208.167	0.00	0.05	0.139	O	|	|	|	0.10
208.250	0.00	0.04	0.139	O	|	|	|	0.10
208.333	0.00	0.04	0.138	O	|	|	|	0.10
208.417	0.00	0.04	0.138	O	|	|	|	0.10
208.500	0.00	0.04	0.138	O	|	|	|	0.10
208.583	0.00	0.04	0.138	O	|	|	|	0.09
208.667	0.00	0.04	0.137	O	|	|	|	0.09
208.750	0.00	0.04	0.137	O	|	|	|	0.09
208.833	0.00	0.04	0.137	O	|	|	|	0.09
208.917	0.00	0.04	0.136	O	|	|	|	0.09
209.000	0.00	0.04	0.136	O	|	|	|	0.09
209.083	0.00	0.04	0.136	O	|	|	|	0.09
209.167	0.00	0.04	0.135	O	|	|	|	0.09
209.250	0.00	0.04	0.135	O	|	|	|	0.09
209.333	0.00	0.04	0.135	O	|	|	|	0.09
209.417	0.00	0.04	0.135	O	|	|	|	0.09
209.500	0.00	0.04	0.134	O	|	|	|	0.09
209.583	0.00	0.04	0.134	O	|	|	|	0.09
209.667	0.00	0.04	0.134	O	|	|	|	0.09
209.750	0.00	0.04	0.133	O	|	|	|	0.09
209.833	0.00	0.04	0.133	O	|	|	|	0.09
209.917	0.00	0.04	0.133	O	|	|	|	0.09
210.000	0.00	0.04	0.132	O	|	|	|	0.09
210.083	0.00	0.04	0.132	O	|	|	|	0.09
210.167	0.00	0.04	0.132	O	|	|	|	0.09
210.250	0.00	0.04	0.132	O	|	|	|	0.09
210.333	0.00	0.04	0.131	O	|	|	|	0.09
210.417	0.00	0.04	0.131	O	|	|	|	0.09
210.500	0.00	0.04	0.131	O	|	|	|	0.09
210.583	0.00	0.04	0.130	O	|	|	|	0.09
210.667	0.00	0.04	0.130	O	|	|	|	0.09
210.750	0.00	0.04	0.130	O	|	|	|	0.09
210.833	0.00	0.04	0.130	O	|	|	|	0.09
210.917	0.00	0.04	0.129	O	|	|	|	0.09
211.000	0.00	0.04	0.129	O	|	|	|	0.09
211.083	0.00	0.04	0.129	O	|	|	|	0.09
211.167	0.00	0.04	0.128	O	|	|	|	0.09
211.250	0.00	0.04	0.128	O	|	|	|	0.09
211.333	0.00	0.04	0.128	O	|	|	|	0.09
211.417	0.00	0.04	0.128	O	|	|	|	0.09
211.500	0.00	0.04	0.127	O	|	|	|	0.09
211.583	0.00	0.04	0.127	O	|	|	|	0.09
211.667	0.00	0.04	0.127	O	|	|	|	0.09
211.750	0.00	0.04	0.126	O	|	|	|	0.09
211.833	0.00	0.04	0.126	O	|	|	|	0.09
211.917	0.00	0.04	0.126	O	|	|	|	0.09
212.000	0.00	0.04	0.126	O	|	|	|	0.09
212.083	0.00	0.04	0.125	O	|	|	|	0.09
212.167	0.00	0.04	0.125	O	|	|	|	0.09
212.250	0.00	0.04	0.125	O	|	|	|	0.09
212.333	0.00	0.04	0.124	O	|	|	|	0.09

212.417	0.00	0.04	0.124	O	|	|	|	|	0.09
212.500	0.00	0.04	0.124	O	|	|	|	|	0.09
212.583	0.00	0.04	0.124	O	|	|	|	|	0.09
212.667	0.00	0.04	0.123	O	|	|	|	|	0.09
212.750	0.00	0.04	0.123	O	|	|	|	|	0.08
212.833	0.00	0.04	0.123	O	|	|	|	|	0.08
212.917	0.00	0.04	0.122	O	|	|	|	|	0.08
213.000	0.00	0.04	0.122	O	|	|	|	|	0.08
213.083	0.00	0.04	0.122	O	|	|	|	|	0.08
213.167	0.00	0.04	0.122	O	|	|	|	|	0.08
213.250	0.00	0.04	0.121	O	|	|	|	|	0.08
213.333	0.00	0.04	0.121	O	|	|	|	|	0.08
213.417	0.00	0.04	0.121	O	|	|	|	|	0.08
213.500	0.00	0.04	0.121	O	|	|	|	|	0.08
213.583	0.00	0.04	0.120	O	|	|	|	|	0.08
213.667	0.00	0.04	0.120	O	|	|	|	|	0.08
213.750	0.00	0.04	0.120	O	|	|	|	|	0.08
213.833	0.00	0.04	0.120	O	|	|	|	|	0.08
213.917	0.00	0.04	0.119	O	|	|	|	|	0.08
214.000	0.00	0.04	0.119	O	|	|	|	|	0.08
214.083	0.00	0.04	0.119	O	|	|	|	|	0.08
214.167	0.00	0.04	0.118	O	|	|	|	|	0.08
214.250	0.00	0.04	0.118	O	|	|	|	|	0.08
214.333	0.00	0.04	0.118	O	|	|	|	|	0.08
214.417	0.00	0.04	0.118	O	|	|	|	|	0.08
214.500	0.00	0.04	0.117	O	|	|	|	|	0.08
214.583	0.00	0.04	0.117	O	|	|	|	|	0.08
214.667	0.00	0.04	0.117	O	|	|	|	|	0.08
214.750	0.00	0.04	0.117	O	|	|	|	|	0.08
214.833	0.00	0.04	0.116	O	|	|	|	|	0.08
214.917	0.00	0.04	0.116	O	|	|	|	|	0.08
215.000	0.00	0.04	0.116	O	|	|	|	|	0.08
215.083	0.00	0.04	0.116	O	|	|	|	|	0.08
215.167	0.00	0.04	0.115	O	|	|	|	|	0.08
215.250	0.00	0.04	0.115	O	|	|	|	|	0.08
215.333	0.00	0.04	0.115	O	|	|	|	|	0.08
215.417	0.00	0.04	0.115	O	|	|	|	|	0.08
215.500	0.00	0.04	0.114	O	|	|	|	|	0.08
215.583	0.00	0.04	0.114	O	|	|	|	|	0.08
215.667	0.00	0.04	0.114	O	|	|	|	|	0.08
215.750	0.00	0.04	0.114	O	|	|	|	|	0.08
215.833	0.00	0.04	0.113	O	|	|	|	|	0.08
215.917	0.00	0.04	0.113	O	|	|	|	|	0.08
216.000	0.00	0.04	0.113	O	|	|	|	|	0.08
216.083	0.00	0.04	0.113	O	|	|	|	|	0.08
216.167	0.00	0.04	0.112	O	|	|	|	|	0.08
216.250	0.00	0.04	0.112	O	|	|	|	|	0.08
216.333	0.00	0.04	0.112	O	|	|	|	|	0.08
216.417	0.00	0.04	0.112	O	|	|	|	|	0.08
216.500	0.00	0.04	0.111	O	|	|	|	|	0.08
216.583	0.00	0.04	0.111	O	|	|	|	|	0.08
216.667	0.00	0.04	0.111	O	|	|	|	|	0.08
216.750	0.00	0.04	0.111	O	|	|	|	|	0.08
216.833	0.00	0.04	0.110	O	|	|	|	|	0.08
216.917	0.00	0.04	0.110	O	|	|	|	|	0.08
217.000	0.00	0.04	0.110	O	|	|	|	|	0.08
217.083	0.00	0.04	0.110	O	|	|	|	|	0.08
217.167	0.00	0.04	0.109	O	|	|	|	|	0.08
217.250	0.00	0.04	0.109	O	|	|	|	|	0.08
217.333	0.00	0.04	0.109	O	|	|	|	|	0.08
217.417	0.00	0.04	0.109	O	|	|	|	|	0.07
217.500	0.00	0.04	0.108	O	|	|	|	|	0.07
217.583	0.00	0.04	0.108	O	|	|	|	|	0.07
217.667	0.00	0.03	0.108	O	|	|	|	|	0.07
217.750	0.00	0.03	0.108	O	|	|	|	|	0.07
217.833	0.00	0.03	0.107	O	|	|	|	|	0.07
217.917	0.00	0.03	0.107	O	|	|	|	|	0.07

218.000	0.00	0.03	0.107	O	|	|	|	|	0.07
218.083	0.00	0.03	0.107	O	|	|	|	|	0.07
218.167	0.00	0.03	0.106	O	|	|	|	|	0.07
218.250	0.00	0.03	0.106	O	|	|	|	|	0.07
218.333	0.00	0.03	0.106	O	|	|	|	|	0.07
218.417	0.00	0.03	0.106	O	|	|	|	|	0.07
218.500	0.00	0.03	0.105	O	|	|	|	|	0.07
218.583	0.00	0.03	0.105	O	|	|	|	|	0.07
218.667	0.00	0.03	0.105	O	|	|	|	|	0.07
218.750	0.00	0.03	0.105	O	|	|	|	|	0.07
218.833	0.00	0.03	0.105	O	|	|	|	|	0.07
218.917	0.00	0.03	0.104	O	|	|	|	|	0.07
219.000	0.00	0.03	0.104	O	|	|	|	|	0.07
219.083	0.00	0.03	0.104	O	|	|	|	|	0.07
219.167	0.00	0.03	0.104	O	|	|	|	|	0.07
219.250	0.00	0.03	0.103	O	|	|	|	|	0.07
219.333	0.00	0.03	0.103	O	|	|	|	|	0.07
219.417	0.00	0.03	0.103	O	|	|	|	|	0.07
219.500	0.00	0.03	0.103	O	|	|	|	|	0.07
219.583	0.00	0.03	0.102	O	|	|	|	|	0.07
219.667	0.00	0.03	0.102	O	|	|	|	|	0.07
219.750	0.00	0.03	0.102	O	|	|	|	|	0.07
219.833	0.00	0.03	0.102	O	|	|	|	|	0.07
219.917	0.00	0.03	0.102	O	|	|	|	|	0.07
220.000	0.00	0.03	0.101	O	|	|	|	|	0.07
220.083	0.00	0.03	0.101	O	|	|	|	|	0.07
220.167	0.00	0.03	0.101	O	|	|	|	|	0.07
220.250	0.00	0.03	0.101	O	|	|	|	|	0.07
220.333	0.00	0.03	0.100	O	|	|	|	|	0.07
220.417	0.00	0.03	0.100	O	|	|	|	|	0.07
220.500	0.00	0.03	0.100	O	|	|	|	|	0.07
220.583	0.00	0.03	0.100	O	|	|	|	|	0.07
220.667	0.00	0.03	0.100	O	|	|	|	|	0.07
220.750	0.00	0.03	0.099	O	|	|	|	|	0.07
220.833	0.00	0.03	0.099	O	|	|	|	|	0.07
220.917	0.00	0.03	0.099	O	|	|	|	|	0.07
221.000	0.00	0.03	0.099	O	|	|	|	|	0.07
221.083	0.00	0.03	0.098	O	|	|	|	|	0.07
221.167	0.00	0.03	0.098	O	|	|	|	|	0.07
221.250	0.00	0.03	0.098	O	|	|	|	|	0.07
221.333	0.00	0.03	0.098	O	|	|	|	|	0.07
221.417	0.00	0.03	0.098	O	|	|	|	|	0.07
221.500	0.00	0.03	0.097	O	|	|	|	|	0.07
221.583	0.00	0.03	0.097	O	|	|	|	|	0.07
221.667	0.00	0.03	0.097	O	|	|	|	|	0.07
221.750	0.00	0.03	0.097	O	|	|	|	|	0.07
221.833	0.00	0.03	0.096	O	|	|	|	|	0.07
221.917	0.00	0.03	0.096	O	|	|	|	|	0.07
222.000	0.00	0.03	0.096	O	|	|	|	|	0.07
222.083	0.00	0.03	0.096	O	|	|	|	|	0.07
222.167	0.00	0.03	0.096	O	|	|	|	|	0.07
222.250	0.00	0.03	0.095	O	|	|	|	|	0.07
222.333	0.00	0.03	0.095	O	|	|	|	|	0.07
222.417	0.00	0.03	0.095	O	|	|	|	|	0.07
222.500	0.00	0.03	0.095	O	|	|	|	|	0.07
222.583	0.00	0.03	0.095	O	|	|	|	|	0.07
222.667	0.00	0.03	0.094	O	|	|	|	|	0.07
222.750	0.00	0.03	0.094	O	|	|	|	|	0.06
222.833	0.00	0.03	0.094	O	|	|	|	|	0.06
222.917	0.00	0.03	0.094	O	|	|	|	|	0.06
223.000	0.00	0.03	0.093	O	|	|	|	|	0.06
223.083	0.00	0.03	0.093	O	|	|	|	|	0.06
223.167	0.00	0.03	0.093	O	|	|	|	|	0.06
223.250	0.00	0.03	0.093	O	|	|	|	|	0.06
223.333	0.00	0.03	0.093	O	|	|	|	|	0.06
223.417	0.00	0.03	0.092	O	|	|	|	|	0.06
223.500	0.00	0.03	0.092	O	|	|	|	|	0.06

223.583	0.00	0.03	0.092	O	|	|	|	0.06
223.667	0.00	0.03	0.092	O	|	|	|	0.06
223.750	0.00	0.03	0.092	O	|	|	|	0.06
223.833	0.00	0.03	0.091	O	|	|	|	0.06
223.917	0.00	0.03	0.091	O	|	|	|	0.06
224.000	0.00	0.03	0.091	O	|	|	|	0.06
224.083	0.00	0.03	0.091	O	|	|	|	0.06
224.167	0.00	0.03	0.091	O	|	|	|	0.06
224.250	0.00	0.03	0.090	O	|	|	|	0.06
224.333	0.00	0.03	0.090	O	|	|	|	0.06
224.417	0.00	0.03	0.090	O	|	|	|	0.06
224.500	0.00	0.03	0.090	O	|	|	|	0.06
224.583	0.00	0.03	0.090	O	|	|	|	0.06
224.667	0.00	0.03	0.089	O	|	|	|	0.06
224.750	0.00	0.03	0.089	O	|	|	|	0.06
224.833	0.00	0.03	0.089	O	|	|	|	0.06
224.917	0.00	0.03	0.089	O	|	|	|	0.06
225.000	0.00	0.03	0.089	O	|	|	|	0.06
225.083	0.00	0.03	0.088	O	|	|	|	0.06
225.167	0.00	0.03	0.088	O	|	|	|	0.06
225.250	0.00	0.03	0.088	O	|	|	|	0.06
225.333	0.00	0.03	0.088	O	|	|	|	0.06
225.417	0.00	0.03	0.088	O	|	|	|	0.06
225.500	0.00	0.03	0.087	O	|	|	|	0.06
225.583	0.00	0.03	0.087	O	|	|	|	0.06
225.667	0.00	0.03	0.087	O	|	|	|	0.06
225.750	0.00	0.03	0.087	O	|	|	|	0.06
225.833	0.00	0.03	0.087	O	|	|	|	0.06
225.917	0.00	0.03	0.086	O	|	|	|	0.06
226.000	0.00	0.03	0.086	O	|	|	|	0.06
226.083	0.00	0.03	0.086	O	|	|	|	0.06
226.167	0.00	0.03	0.086	O	|	|	|	0.06
226.250	0.00	0.03	0.086	O	|	|	|	0.06
226.333	0.00	0.03	0.086	O	|	|	|	0.06
226.417	0.00	0.03	0.085	O	|	|	|	0.06
226.500	0.00	0.03	0.085	O	|	|	|	0.06
226.583	0.00	0.03	0.085	O	|	|	|	0.06
226.667	0.00	0.03	0.085	O	|	|	|	0.06
226.750	0.00	0.03	0.085	O	|	|	|	0.06
226.833	0.00	0.03	0.084	O	|	|	|	0.06
226.917	0.00	0.03	0.084	O	|	|	|	0.06
227.000	0.00	0.03	0.084	O	|	|	|	0.06
227.083	0.00	0.03	0.084	O	|	|	|	0.06
227.167	0.00	0.03	0.084	O	|	|	|	0.06
227.250	0.00	0.03	0.083	O	|	|	|	0.06
227.333	0.00	0.03	0.083	O	|	|	|	0.06
227.417	0.00	0.03	0.083	O	|	|	|	0.06
227.500	0.00	0.03	0.083	O	|	|	|	0.06
227.583	0.00	0.03	0.083	O	|	|	|	0.06
227.667	0.00	0.03	0.083	O	|	|	|	0.06
227.750	0.00	0.03	0.082	O	|	|	|	0.06
227.833	0.00	0.03	0.082	O	|	|	|	0.06
227.917	0.00	0.03	0.082	O	|	|	|	0.06
228.000	0.00	0.03	0.082	O	|	|	|	0.06
228.083	0.00	0.03	0.082	O	|	|	|	0.06
228.167	0.00	0.03	0.081	O	|	|	|	0.06
228.250	0.00	0.03	0.081	O	|	|	|	0.06
228.333	0.00	0.03	0.081	O	|	|	|	0.06
228.417	0.00	0.03	0.081	O	|	|	|	0.06
228.500	0.00	0.03	0.081	O	|	|	|	0.06
228.583	0.00	0.03	0.081	O	|	|	|	0.06
228.667	0.00	0.03	0.080	O	|	|	|	0.06
228.750	0.00	0.03	0.080	O	|	|	|	0.06
228.833	0.00	0.03	0.080	O	|	|	|	0.06
228.917	0.00	0.03	0.080	O	|	|	|	0.06
229.000	0.00	0.03	0.080	O	|	|	|	0.05
229.083	0.00	0.03	0.079	O	|	|	|	0.05

229.167	0.00	0.03	0.079	O	|	|	|	0.05
229.250	0.00	0.03	0.079	O	|	|	|	0.05
229.333	0.00	0.03	0.079	O	|	|	|	0.05
229.417	0.00	0.03	0.079	O	|	|	|	0.05
229.500	0.00	0.03	0.079	O	|	|	|	0.05
229.583	0.00	0.03	0.078	O	|	|	|	0.05
229.667	0.00	0.03	0.078	O	|	|	|	0.05
229.750	0.00	0.03	0.078	O	|	|	|	0.05
229.833	0.00	0.03	0.078	O	|	|	|	0.05
229.917	0.00	0.03	0.078	O	|	|	|	0.05
230.000	0.00	0.03	0.078	O	|	|	|	0.05
230.083	0.00	0.03	0.077	O	|	|	|	0.05
230.167	0.00	0.03	0.077	O	|	|	|	0.05
230.250	0.00	0.02	0.077	O	|	|	|	0.05
230.333	0.00	0.02	0.077	O	|	|	|	0.05
230.417	0.00	0.02	0.077	O	|	|	|	0.05
230.500	0.00	0.02	0.076	O	|	|	|	0.05
230.583	0.00	0.02	0.076	O	|	|	|	0.05
230.667	0.00	0.02	0.076	O	|	|	|	0.05
230.750	0.00	0.02	0.076	O	|	|	|	0.05
230.833	0.00	0.02	0.076	O	|	|	|	0.05
230.917	0.00	0.02	0.076	O	|	|	|	0.05
231.000	0.00	0.02	0.075	O	|	|	|	0.05
231.083	0.00	0.02	0.075	O	|	|	|	0.05
231.167	0.00	0.02	0.075	O	|	|	|	0.05
231.250	0.00	0.02	0.075	O	|	|	|	0.05
231.333	0.00	0.02	0.075	O	|	|	|	0.05
231.417	0.00	0.02	0.075	O	|	|	|	0.05
231.500	0.00	0.02	0.074	O	|	|	|	0.05
231.583	0.00	0.02	0.074	O	|	|	|	0.05
231.667	0.00	0.02	0.074	O	|	|	|	0.05
231.750	0.00	0.02	0.074	O	|	|	|	0.05
231.833	0.00	0.02	0.074	O	|	|	|	0.05
231.917	0.00	0.02	0.074	O	|	|	|	0.05
232.000	0.00	0.02	0.073	O	|	|	|	0.05
232.083	0.00	0.02	0.073	O	|	|	|	0.05
232.167	0.00	0.02	0.073	O	|	|	|	0.05
232.250	0.00	0.02	0.073	O	|	|	|	0.05
232.333	0.00	0.02	0.073	O	|	|	|	0.05
232.417	0.00	0.02	0.073	O	|	|	|	0.05
232.500	0.00	0.02	0.072	O	|	|	|	0.05
232.583	0.00	0.02	0.072	O	|	|	|	0.05
232.667	0.00	0.02	0.072	O	|	|	|	0.05
232.750	0.00	0.02	0.072	O	|	|	|	0.05
232.833	0.00	0.02	0.072	O	|	|	|	0.05
232.917	0.00	0.02	0.072	O	|	|	|	0.05
233.000	0.00	0.02	0.072	O	|	|	|	0.05
233.083	0.00	0.02	0.071	O	|	|	|	0.05
233.167	0.00	0.02	0.071	O	|	|	|	0.05
233.250	0.00	0.02	0.071	O	|	|	|	0.05
233.333	0.00	0.02	0.071	O	|	|	|	0.05
233.417	0.00	0.02	0.071	O	|	|	|	0.05
233.500	0.00	0.02	0.071	O	|	|	|	0.05
233.583	0.00	0.02	0.070	O	|	|	|	0.05
233.667	0.00	0.02	0.070	O	|	|	|	0.05
233.750	0.00	0.02	0.070	O	|	|	|	0.05
233.833	0.00	0.02	0.070	O	|	|	|	0.05
233.917	0.00	0.02	0.070	O	|	|	|	0.05
234.000	0.00	0.02	0.070	O	|	|	|	0.05
234.083	0.00	0.02	0.069	O	|	|	|	0.05
234.167	0.00	0.02	0.069	O	|	|	|	0.05
234.250	0.00	0.02	0.069	O	|	|	|	0.05
234.333	0.00	0.02	0.069	O	|	|	|	0.05
234.417	0.00	0.02	0.069	O	|	|	|	0.05
234.500	0.00	0.02	0.069	O	|	|	|	0.05
234.583	0.00	0.02	0.069	O	|	|	|	0.05
234.667	0.00	0.02	0.068	O	|	|	|	0.05

234.750	0.00	0.02	0.068	O	|	|	|	0.05
234.833	0.00	0.02	0.068	O	|	|	|	0.05
234.917	0.00	0.02	0.068	O	|	|	|	0.05
235.000	0.00	0.02	0.068	O	|	|	|	0.05
235.083	0.00	0.02	0.068	O	|	|	|	0.05
235.167	0.00	0.02	0.067	O	|	|	|	0.05
235.250	0.00	0.02	0.067	O	|	|	|	0.05
235.333	0.00	0.02	0.067	O	|	|	|	0.05
235.417	0.00	0.02	0.067	O	|	|	|	0.05
235.500	0.00	0.02	0.067	O	|	|	|	0.05
235.583	0.00	0.02	0.067	O	|	|	|	0.05
235.667	0.00	0.02	0.067	O	|	|	|	0.05
235.750	0.00	0.02	0.066	O	|	|	|	0.05
235.833	0.00	0.02	0.066	O	|	|	|	0.05
235.917	0.00	0.02	0.066	O	|	|	|	0.05
236.000	0.00	0.02	0.066	O	|	|	|	0.05
236.083	0.00	0.02	0.066	O	|	|	|	0.05
236.167	0.00	0.02	0.066	O	|	|	|	0.05
236.250	0.00	0.02	0.066	O	|	|	|	0.05
236.333	0.00	0.02	0.065	O	|	|	|	0.05
236.417	0.00	0.02	0.065	O	|	|	|	0.05
236.500	0.00	0.02	0.065	O	|	|	|	0.04
236.583	0.00	0.02	0.065	O	|	|	|	0.04
236.667	0.00	0.02	0.065	O	|	|	|	0.04
236.750	0.00	0.02	0.065	O	|	|	|	0.04
236.833	0.00	0.02	0.065	O	|	|	|	0.04
236.917	0.00	0.02	0.064	O	|	|	|	0.04
237.000	0.00	0.02	0.064	O	|	|	|	0.04
237.083	0.00	0.02	0.064	O	|	|	|	0.04
237.167	0.00	0.02	0.064	O	|	|	|	0.04
237.250	0.00	0.02	0.064	O	|	|	|	0.04
237.333	0.00	0.02	0.064	O	|	|	|	0.04
237.417	0.00	0.02	0.064	O	|	|	|	0.04
237.500	0.00	0.02	0.063	O	|	|	|	0.04
237.583	0.00	0.02	0.063	O	|	|	|	0.04
237.667	0.00	0.02	0.063	O	|	|	|	0.04
237.750	0.00	0.02	0.063	O	|	|	|	0.04
237.833	0.00	0.02	0.063	O	|	|	|	0.04
237.917	0.00	0.02	0.063	O	|	|	|	0.04
238.000	0.00	0.02	0.063	O	|	|	|	0.04
238.083	0.00	0.02	0.062	O	|	|	|	0.04
238.167	0.00	0.02	0.062	O	|	|	|	0.04
238.250	0.00	0.02	0.062	O	|	|	|	0.04
238.333	0.00	0.02	0.062	O	|	|	|	0.04
238.417	0.00	0.02	0.062	O	|	|	|	0.04
238.500	0.00	0.02	0.062	O	|	|	|	0.04
238.583	0.00	0.02	0.062	O	|	|	|	0.04
238.667	0.00	0.02	0.061	O	|	|	|	0.04
238.750	0.00	0.02	0.061	O	|	|	|	0.04
238.833	0.00	0.02	0.061	O	|	|	|	0.04
238.917	0.00	0.02	0.061	O	|	|	|	0.04
239.000	0.00	0.02	0.061	O	|	|	|	0.04
239.083	0.00	0.02	0.061	O	|	|	|	0.04
239.167	0.00	0.02	0.061	O	|	|	|	0.04
239.250	0.00	0.02	0.060	O	|	|	|	0.04
239.333	0.00	0.02	0.060	O	|	|	|	0.04
239.417	0.00	0.02	0.060	O	|	|	|	0.04
239.500	0.00	0.02	0.060	O	|	|	|	0.04
239.583	0.00	0.02	0.060	O	|	|	|	0.04
239.667	0.00	0.02	0.060	O	|	|	|	0.04
239.750	0.00	0.02	0.060	O	|	|	|	0.04
239.833	0.00	0.02	0.060	O	|	|	|	0.04
239.917	0.00	0.02	0.059	O	|	|	|	0.04
240.000	0.00	0.02	0.059	O	|	|	|	0.04
240.083	0.00	0.02	0.059	O	|	|	|	0.04
240.167	0.00	0.02	0.059	O	|	|	|	0.04
240.250	0.00	0.02	0.059	O	|	|	|	0.04

240.333	0.00	0.02	0.059	O	|	|	|	0.04
240.417	0.00	0.02	0.059	O	|	|	|	0.04
240.500	0.00	0.02	0.059	O	|	|	|	0.04
240.583	0.00	0.02	0.058	O	|	|	|	0.04
240.667	0.00	0.02	0.058	O	|	|	|	0.04
240.750	0.00	0.02	0.058	O	|	|	|	0.04
240.833	0.00	0.02	0.058	O	|	|	|	0.04
240.917	0.00	0.02	0.058	O	|	|	|	0.04
241.000	0.00	0.02	0.058	O	|	|	|	0.04
241.083	0.00	0.02	0.058	O	|	|	|	0.04
241.167	0.00	0.02	0.057	O	|	|	|	0.04
241.250	0.00	0.02	0.057	O	|	|	|	0.04
241.333	0.00	0.02	0.057	O	|	|	|	0.04
241.417	0.00	0.02	0.057	O	|	|	|	0.04
241.500	0.00	0.02	0.057	O	|	|	|	0.04
241.583	0.00	0.02	0.057	O	|	|	|	0.04
241.667	0.00	0.02	0.057	O	|	|	|	0.04
241.750	0.00	0.02	0.057	O	|	|	|	0.04
241.833	0.00	0.02	0.056	O	|	|	|	0.04
241.917	0.00	0.02	0.056	O	|	|	|	0.04
242.000	0.00	0.02	0.056	O	|	|	|	0.04
242.083	0.00	0.02	0.056	O	|	|	|	0.04
242.167	0.00	0.02	0.056	O	|	|	|	0.04
242.250	0.00	0.02	0.056	O	|	|	|	0.04
242.333	0.00	0.02	0.056	O	|	|	|	0.04
242.417	0.00	0.02	0.056	O	|	|	|	0.04
242.500	0.00	0.02	0.055	O	|	|	|	0.04
242.583	0.00	0.02	0.055	O	|	|	|	0.04
242.667	0.00	0.02	0.055	O	|	|	|	0.04
242.750	0.00	0.02	0.055	O	|	|	|	0.04
242.833	0.00	0.02	0.055	O	|	|	|	0.04
242.917	0.00	0.02	0.055	O	|	|	|	0.04
243.000	0.00	0.02	0.055	O	|	|	|	0.04
243.083	0.00	0.02	0.055	O	|	|	|	0.04
243.167	0.00	0.02	0.054	O	|	|	|	0.04
243.250	0.00	0.02	0.054	O	|	|	|	0.04
243.333	0.00	0.02	0.054	O	|	|	|	0.04
243.417	0.00	0.02	0.054	O	|	|	|	0.04
243.500	0.00	0.02	0.054	O	|	|	|	0.04
243.583	0.00	0.02	0.054	O	|	|	|	0.04
243.667	0.00	0.02	0.054	O	|	|	|	0.04
243.750	0.00	0.02	0.054	O	|	|	|	0.04
243.833	0.00	0.02	0.054	O	|	|	|	0.04
243.917	0.00	0.02	0.053	O	|	|	|	0.04
244.000	0.00	0.02	0.053	O	|	|	|	0.04
244.083	0.00	0.02	0.053	O	|	|	|	0.04
244.167	0.00	0.02	0.053	O	|	|	|	0.04
244.250	0.00	0.02	0.053	O	|	|	|	0.04
244.333	0.00	0.02	0.053	O	|	|	|	0.04
244.417	0.00	0.02	0.053	O	|	|	|	0.04
244.500	0.00	0.02	0.053	O	|	|	|	0.04
244.583	0.00	0.02	0.052	O	|	|	|	0.04
244.667	0.00	0.02	0.052	O	|	|	|	0.04
244.750	0.00	0.02	0.052	O	|	|	|	0.04
244.833	0.00	0.02	0.052	O	|	|	|	0.04
244.917	0.00	0.02	0.052	O	|	|	|	0.04
245.000	0.00	0.02	0.052	O	|	|	|	0.04
245.083	0.00	0.02	0.052	O	|	|	|	0.04
245.167	0.00	0.02	0.052	O	|	|	|	0.04
245.250	0.00	0.02	0.052	O	|	|	|	0.04
245.333	0.00	0.02	0.051	O	|	|	|	0.04
245.417	0.00	0.02	0.051	O	|	|	|	0.04
245.500	0.00	0.02	0.051	O	|	|	|	0.04
245.583	0.00	0.02	0.051	O	|	|	|	0.04
245.667	0.00	0.02	0.051	O	|	|	|	0.04
245.750	0.00	0.02	0.051	O	|	|	|	0.04
245.833	0.00	0.02	0.051	O	|	|	|	0.03

245.917	0.00	0.02	0.051	O	|	|	|	|	0.03
246.000	0.00	0.02	0.050	O	|	|	|	|	0.03
246.083	0.00	0.02	0.050	O	|	|	|	|	0.03
246.167	0.00	0.02	0.050	O	|	|	|	|	0.03
246.250	0.00	0.02	0.050	O	|	|	|	|	0.03
246.333	0.00	0.02	0.050	O	|	|	|	|	0.03
246.417	0.00	0.02	0.050	O	|	|	|	|	0.03
246.500	0.00	0.02	0.050	O	|	|	|	|	0.03
246.583	0.00	0.02	0.050	O	|	|	|	|	0.03
246.667	0.00	0.02	0.050	O	|	|	|	|	0.03
246.750	0.00	0.02	0.049	O	|	|	|	|	0.03
246.833	0.00	0.02	0.049	O	|	|	|	|	0.03
246.917	0.00	0.02	0.049	O	|	|	|	|	0.03
247.000	0.00	0.02	0.049	O	|	|	|	|	0.03
247.083	0.00	0.02	0.049	O	|	|	|	|	0.03
247.167	0.00	0.02	0.049	O	|	|	|	|	0.03
247.250	0.00	0.02	0.049	O	|	|	|	|	0.03
247.333	0.00	0.02	0.049	O	|	|	|	|	0.03
247.417	0.00	0.02	0.049	O	|	|	|	|	0.03
247.500	0.00	0.02	0.049	O	|	|	|	|	0.03
247.583	0.00	0.02	0.048	O	|	|	|	|	0.03
247.667	0.00	0.02	0.048	O	|	|	|	|	0.03
247.750	0.00	0.02	0.048	O	|	|	|	|	0.03
247.833	0.00	0.02	0.048	O	|	|	|	|	0.03
247.917	0.00	0.02	0.048	O	|	|	|	|	0.03
248.000	0.00	0.02	0.048	O	|	|	|	|	0.03
248.083	0.00	0.02	0.048	O	|	|	|	|	0.03
248.167	0.00	0.02	0.048	O	|	|	|	|	0.03
248.250	0.00	0.02	0.048	O	|	|	|	|	0.03
248.333	0.00	0.02	0.047	O	|	|	|	|	0.03
248.417	0.00	0.02	0.047	O	|	|	|	|	0.03
248.500	0.00	0.02	0.047	O	|	|	|	|	0.03
248.583	0.00	0.02	0.047	O	|	|	|	|	0.03
248.667	0.00	0.02	0.047	O	|	|	|	|	0.03
248.750	0.00	0.02	0.047	O	|	|	|	|	0.03
248.833	0.00	0.02	0.047	O	|	|	|	|	0.03
248.917	0.00	0.02	0.047	O	|	|	|	|	0.03
249.000	0.00	0.02	0.047	O	|	|	|	|	0.03
249.083	0.00	0.02	0.046	O	|	|	|	|	0.03
249.167	0.00	0.02	0.046	O	|	|	|	|	0.03
249.250	0.00	0.02	0.046	O	|	|	|	|	0.03
249.333	0.00	0.01	0.046	O	|	|	|	|	0.03
249.417	0.00	0.01	0.046	O	|	|	|	|	0.03
249.500	0.00	0.01	0.046	O	|	|	|	|	0.03
249.583	0.00	0.01	0.046	O	|	|	|	|	0.03
249.667	0.00	0.01	0.046	O	|	|	|	|	0.03
249.750	0.00	0.01	0.046	O	|	|	|	|	0.03
249.833	0.00	0.01	0.046	O	|	|	|	|	0.03
249.917	0.00	0.01	0.045	O	|	|	|	|	0.03
250.000	0.00	0.01	0.045	O	|	|	|	|	0.03
250.083	0.00	0.01	0.045	O	|	|	|	|	0.03
250.167	0.00	0.01	0.045	O	|	|	|	|	0.03
250.250	0.00	0.01	0.045	O	|	|	|	|	0.03
250.333	0.00	0.01	0.045	O	|	|	|	|	0.03
250.417	0.00	0.01	0.045	O	|	|	|	|	0.03
250.500	0.00	0.01	0.045	O	|	|	|	|	0.03
250.583	0.00	0.01	0.045	O	|	|	|	|	0.03
250.667	0.00	0.01	0.045	O	|	|	|	|	0.03
250.750	0.00	0.01	0.044	O	|	|	|	|	0.03
250.833	0.00	0.01	0.044	O	|	|	|	|	0.03
250.917	0.00	0.01	0.044	O	|	|	|	|	0.03
251.000	0.00	0.01	0.044	O	|	|	|	|	0.03
251.083	0.00	0.01	0.044	O	|	|	|	|	0.03
251.167	0.00	0.01	0.044	O	|	|	|	|	0.03
251.250	0.00	0.01	0.044	O	|	|	|	|	0.03
251.333	0.00	0.01	0.044	O	|	|	|	|	0.03
251.417	0.00	0.01	0.044	O	|	|	|	|	0.03

251.500	0.00	0.01	0.044	O	|	|	|	|	0.03
251.583	0.00	0.01	0.043	O	|	|	|	|	0.03
251.667	0.00	0.01	0.043	O	|	|	|	|	0.03
251.750	0.00	0.01	0.043	O	|	|	|	|	0.03
251.833	0.00	0.01	0.043	O	|	|	|	|	0.03
251.917	0.00	0.01	0.043	O	|	|	|	|	0.03
252.000	0.00	0.01	0.043	O	|	|	|	|	0.03
252.083	0.00	0.01	0.043	O	|	|	|	|	0.03
252.167	0.00	0.01	0.043	O	|	|	|	|	0.03
252.250	0.00	0.01	0.043	O	|	|	|	|	0.03
252.333	0.00	0.01	0.043	O	|	|	|	|	0.03
252.417	0.00	0.01	0.043	O	|	|	|	|	0.03
252.500	0.00	0.01	0.042	O	|	|	|	|	0.03
252.583	0.00	0.01	0.042	O	|	|	|	|	0.03
252.667	0.00	0.01	0.042	O	|	|	|	|	0.03
252.750	0.00	0.01	0.042	O	|	|	|	|	0.03
252.833	0.00	0.01	0.042	O	|	|	|	|	0.03
252.917	0.00	0.01	0.042	O	|	|	|	|	0.03
253.000	0.00	0.01	0.042	O	|	|	|	|	0.03
253.083	0.00	0.01	0.042	O	|	|	|	|	0.03
253.167	0.00	0.01	0.042	O	|	|	|	|	0.03
253.250	0.00	0.01	0.042	O	|	|	|	|	0.03
253.333	0.00	0.01	0.041	O	|	|	|	|	0.03
253.417	0.00	0.01	0.041	O	|	|	|	|	0.03
253.500	0.00	0.01	0.041	O	|	|	|	|	0.03
253.583	0.00	0.01	0.041	O	|	|	|	|	0.03
253.667	0.00	0.01	0.041	O	|	|	|	|	0.03
253.750	0.00	0.01	0.041	O	|	|	|	|	0.03
253.833	0.00	0.01	0.041	O	|	|	|	|	0.03
253.917	0.00	0.01	0.041	O	|	|	|	|	0.03
254.000	0.00	0.01	0.041	O	|	|	|	|	0.03
254.083	0.00	0.01	0.041	O	|	|	|	|	0.03
254.167	0.00	0.01	0.041	O	|	|	|	|	0.03
254.250	0.00	0.01	0.040	O	|	|	|	|	0.03
254.333	0.00	0.01	0.040	O	|	|	|	|	0.03
254.417	0.00	0.01	0.040	O	|	|	|	|	0.03
254.500	0.00	0.01	0.040	O	|	|	|	|	0.03
254.583	0.00	0.01	0.040	O	|	|	|	|	0.03
254.667	0.00	0.01	0.040	O	|	|	|	|	0.03
254.750	0.00	0.01	0.040	O	|	|	|	|	0.03
254.833	0.00	0.01	0.040	O	|	|	|	|	0.03
254.917	0.00	0.01	0.040	O	|	|	|	|	0.03
255.000	0.00	0.01	0.040	O	|	|	|	|	0.03
255.083	0.00	0.01	0.040	O	|	|	|	|	0.03
255.167	0.00	0.01	0.039	O	|	|	|	|	0.03
255.250	0.00	0.01	0.039	O	|	|	|	|	0.03
255.333	0.00	0.01	0.039	O	|	|	|	|	0.03
255.417	0.00	0.01	0.039	O	|	|	|	|	0.03
255.500	0.00	0.01	0.039	O	|	|	|	|	0.03
255.583	0.00	0.01	0.039	O	|	|	|	|	0.03
255.667	0.00	0.01	0.039	O	|	|	|	|	0.03
255.750	0.00	0.01	0.039	O	|	|	|	|	0.03
255.833	0.00	0.01	0.039	O	|	|	|	|	0.03
255.917	0.00	0.01	0.039	O	|	|	|	|	0.03
256.000	0.00	0.01	0.039	O	|	|	|	|	0.03
256.083	0.00	0.01	0.039	O	|	|	|	|	0.03
256.167	0.00	0.01	0.038	O	|	|	|	|	0.03
256.250	0.00	0.01	0.038	O	|	|	|	|	0.03
256.333	0.00	0.01	0.038	O	|	|	|	|	0.03
256.417	0.00	0.01	0.038	O	|	|	|	|	0.03
256.500	0.00	0.01	0.038	O	|	|	|	|	0.03
256.583	0.00	0.01	0.038	O	|	|	|	|	0.03
256.667	0.00	0.01	0.038	O	|	|	|	|	0.03
256.750	0.00	0.01	0.038	O	|	|	|	|	0.03
256.833	0.00	0.01	0.038	O	|	|	|	|	0.03
256.917	0.00	0.01	0.038	O	|	|	|	|	0.03
257.000	0.00	0.01	0.038	O	|	|	|	|	0.03

257.083	0.00	0.01	0.038	O	|	|	|	|	0.03
257.167	0.00	0.01	0.037	O	|	|	|	|	0.03
257.250	0.00	0.01	0.037	O	|	|	|	|	0.03
257.333	0.00	0.01	0.037	O	|	|	|	|	0.03
257.417	0.00	0.01	0.037	O	|	|	|	|	0.03
257.500	0.00	0.01	0.037	O	|	|	|	|	0.03
257.583	0.00	0.01	0.037	O	|	|	|	|	0.03
257.667	0.00	0.01	0.037	O	|	|	|	|	0.03
257.750	0.00	0.01	0.037	O	|	|	|	|	0.03
257.833	0.00	0.01	0.037	O	|	|	|	|	0.03
257.917	0.00	0.01	0.037	O	|	|	|	|	0.03
258.000	0.00	0.01	0.037	O	|	|	|	|	0.03
258.083	0.00	0.01	0.037	O	|	|	|	|	0.03
258.167	0.00	0.01	0.036	O	|	|	|	|	0.03
258.250	0.00	0.01	0.036	O	|	|	|	|	0.03
258.333	0.00	0.01	0.036	O	|	|	|	|	0.03
258.417	0.00	0.01	0.036	O	|	|	|	|	0.02
258.500	0.00	0.01	0.036	O	|	|	|	|	0.02
258.583	0.00	0.01	0.036	O	|	|	|	|	0.02
258.667	0.00	0.01	0.036	O	|	|	|	|	0.02
258.750	0.00	0.01	0.036	O	|	|	|	|	0.02
258.833	0.00	0.01	0.036	O	|	|	|	|	0.02
258.917	0.00	0.01	0.036	O	|	|	|	|	0.02
259.000	0.00	0.01	0.036	O	|	|	|	|	0.02
259.083	0.00	0.01	0.036	O	|	|	|	|	0.02
259.167	0.00	0.01	0.035	O	|	|	|	|	0.02
259.250	0.00	0.01	0.035	O	|	|	|	|	0.02
259.333	0.00	0.01	0.035	O	|	|	|	|	0.02
259.417	0.00	0.01	0.035	O	|	|	|	|	0.02
259.500	0.00	0.01	0.035	O	|	|	|	|	0.02
259.583	0.00	0.01	0.035	O	|	|	|	|	0.02
259.667	0.00	0.01	0.035	O	|	|	|	|	0.02
259.750	0.00	0.01	0.035	O	|	|	|	|	0.02
259.833	0.00	0.01	0.035	O	|	|	|	|	0.02
259.917	0.00	0.01	0.035	O	|	|	|	|	0.02
260.000	0.00	0.01	0.035	O	|	|	|	|	0.02
260.083	0.00	0.01	0.035	O	|	|	|	|	0.02
260.167	0.00	0.01	0.035	O	|	|	|	|	0.02
260.250	0.00	0.01	0.034	O	|	|	|	|	0.02
260.333	0.00	0.01	0.034	O	|	|	|	|	0.02
260.417	0.00	0.01	0.034	O	|	|	|	|	0.02
260.500	0.00	0.01	0.034	O	|	|	|	|	0.02
260.583	0.00	0.01	0.034	O	|	|	|	|	0.02
260.667	0.00	0.01	0.034	O	|	|	|	|	0.02
260.750	0.00	0.01	0.034	O	|	|	|	|	0.02
260.833	0.00	0.01	0.034	O	|	|	|	|	0.02
260.917	0.00	0.01	0.034	O	|	|	|	|	0.02
261.000	0.00	0.01	0.034	O	|	|	|	|	0.02
261.083	0.00	0.01	0.034	O	|	|	|	|	0.02
261.167	0.00	0.01	0.034	O	|	|	|	|	0.02
261.250	0.00	0.01	0.034	O	|	|	|	|	0.02
261.333	0.00	0.01	0.033	O	|	|	|	|	0.02
261.417	0.00	0.01	0.033	O	|	|	|	|	0.02
261.500	0.00	0.01	0.033	O	|	|	|	|	0.02
261.583	0.00	0.01	0.033	O	|	|	|	|	0.02
261.667	0.00	0.01	0.033	O	|	|	|	|	0.02
261.750	0.00	0.01	0.033	O	|	|	|	|	0.02
261.833	0.00	0.01	0.033	O	|	|	|	|	0.02
261.917	0.00	0.01	0.033	O	|	|	|	|	0.02
262.000	0.00	0.01	0.033	O	|	|	|	|	0.02
262.083	0.00	0.01	0.033	O	|	|	|	|	0.02
262.167	0.00	0.01	0.033	O	|	|	|	|	0.02
262.250	0.00	0.01	0.033	O	|	|	|	|	0.02
262.333	0.00	0.01	0.033	O	|	|	|	|	0.02
262.417	0.00	0.01	0.033	O	|	|	|	|	0.02
262.500	0.00	0.01	0.032	O	|	|	|	|	0.02
262.583	0.00	0.01	0.032	O	|	|	|	|	0.02

262.667	0.00	0.01	0.032	O	|	|	|	|	0.02
262.750	0.00	0.01	0.032	O	|	|	|	|	0.02
262.833	0.00	0.01	0.032	O	|	|	|	|	0.02
262.917	0.00	0.01	0.032	O	|	|	|	|	0.02
263.000	0.00	0.01	0.032	O	|	|	|	|	0.02
263.083	0.00	0.01	0.032	O	|	|	|	|	0.02
263.167	0.00	0.01	0.032	O	|	|	|	|	0.02
263.250	0.00	0.01	0.032	O	|	|	|	|	0.02
263.333	0.00	0.01	0.032	O	|	|	|	|	0.02
263.417	0.00	0.01	0.032	O	|	|	|	|	0.02
263.500	0.00	0.01	0.032	O	|	|	|	|	0.02
263.583	0.00	0.01	0.032	O	|	|	|	|	0.02
263.667	0.00	0.01	0.031	O	|	|	|	|	0.02
263.750	0.00	0.01	0.031	O	|	|	|	|	0.02
263.833	0.00	0.01	0.031	O	|	|	|	|	0.02
263.917	0.00	0.01	0.031	O	|	|	|	|	0.02
264.000	0.00	0.01	0.031	O	|	|	|	|	0.02
264.083	0.00	0.01	0.031	O	|	|	|	|	0.02
264.167	0.00	0.01	0.031	O	|	|	|	|	0.02
264.250	0.00	0.01	0.031	O	|	|	|	|	0.02
264.333	0.00	0.01	0.031	O	|	|	|	|	0.02
264.417	0.00	0.01	0.031	O	|	|	|	|	0.02
264.500	0.00	0.01	0.031	O	|	|	|	|	0.02
264.583	0.00	0.01	0.031	O	|	|	|	|	0.02
264.667	0.00	0.01	0.031	O	|	|	|	|	0.02
264.750	0.00	0.01	0.031	O	|	|	|	|	0.02
264.833	0.00	0.01	0.030	O	|	|	|	|	0.02
264.917	0.00	0.01	0.030	O	|	|	|	|	0.02
265.000	0.00	0.01	0.030	O	|	|	|	|	0.02
265.083	0.00	0.01	0.030	O	|	|	|	|	0.02
265.167	0.00	0.01	0.030	O	|	|	|	|	0.02
265.250	0.00	0.01	0.030	O	|	|	|	|	0.02
265.333	0.00	0.01	0.030	O	|	|	|	|	0.02
265.417	0.00	0.01	0.030	O	|	|	|	|	0.02
265.500	0.00	0.01	0.030	O	|	|	|	|	0.02
265.583	0.00	0.01	0.030	O	|	|	|	|	0.02
265.667	0.00	0.01	0.030	O	|	|	|	|	0.02
265.750	0.00	0.01	0.030	O	|	|	|	|	0.02
265.833	0.00	0.01	0.030	O	|	|	|	|	0.02
265.917	0.00	0.01	0.030	O	|	|	|	|	0.02
266.000	0.00	0.01	0.030	O	|	|	|	|	0.02
266.083	0.00	0.01	0.029	O	|	|	|	|	0.02
266.167	0.00	0.01	0.029	O	|	|	|	|	0.02
266.250	0.00	0.01	0.029	O	|	|	|	|	0.02
266.333	0.00	0.01	0.029	O	|	|	|	|	0.02
266.417	0.00	0.01	0.029	O	|	|	|	|	0.02
266.500	0.00	0.01	0.029	O	|	|	|	|	0.02
266.583	0.00	0.01	0.029	O	|	|	|	|	0.02
266.667	0.00	0.01	0.029	O	|	|	|	|	0.02
266.750	0.00	0.01	0.029	O	|	|	|	|	0.02
266.833	0.00	0.01	0.029	O	|	|	|	|	0.02
266.917	0.00	0.01	0.029	O	|	|	|	|	0.02
267.000	0.00	0.01	0.029	O	|	|	|	|	0.02
267.083	0.00	0.01	0.029	O	|	|	|	|	0.02
267.167	0.00	0.01	0.029	O	|	|	|	|	0.02
267.250	0.00	0.01	0.029	O	|	|	|	|	0.02
267.333	0.00	0.01	0.029	O	|	|	|	|	0.02
267.417	0.00	0.01	0.028	O	|	|	|	|	0.02
267.500	0.00	0.01	0.028	O	|	|	|	|	0.02
267.583	0.00	0.01	0.028	O	|	|	|	|	0.02
267.667	0.00	0.01	0.028	O	|	|	|	|	0.02
267.750	0.00	0.01	0.028	O	|	|	|	|	0.02
267.833	0.00	0.01	0.028	O	|	|	|	|	0.02
267.917	0.00	0.01	0.028	O	|	|	|	|	0.02
268.000	0.00	0.01	0.028	O	|	|	|	|	0.02
268.083	0.00	0.01	0.028	O	|	|	|	|	0.02
268.167	0.00	0.01	0.028	O	|	|	|	|	0.02

268.250	0.00	0.01	0.028	O	|	|	|	|	0.02
268.333	0.00	0.01	0.028	O	|	|	|	|	0.02
268.417	0.00	0.01	0.028	O	|	|	|	|	0.02
268.500	0.00	0.01	0.028	O	|	|	|	|	0.02
268.583	0.00	0.01	0.028	O	|	|	|	|	0.02
268.667	0.00	0.01	0.028	O	|	|	|	|	0.02
268.750	0.00	0.01	0.027	O	|	|	|	|	0.02
268.833	0.00	0.01	0.027	O	|	|	|	|	0.02
268.917	0.00	0.01	0.027	O	|	|	|	|	0.02
269.000	0.00	0.01	0.027	O	|	|	|	|	0.02
269.083	0.00	0.01	0.027	O	|	|	|	|	0.02
269.167	0.00	0.01	0.027	O	|	|	|	|	0.02
269.250	0.00	0.01	0.027	O	|	|	|	|	0.02
269.333	0.00	0.01	0.027	O	|	|	|	|	0.02
269.417	0.00	0.01	0.027	O	|	|	|	|	0.02
269.500	0.00	0.01	0.027	O	|	|	|	|	0.02
269.583	0.00	0.01	0.027	O	|	|	|	|	0.02
269.667	0.00	0.01	0.027	O	|	|	|	|	0.02
269.750	0.00	0.01	0.027	O	|	|	|	|	0.02
269.833	0.00	0.01	0.027	O	|	|	|	|	0.02
269.917	0.00	0.01	0.027	O	|	|	|	|	0.02
270.000	0.00	0.01	0.027	O	|	|	|	|	0.02
270.083	0.00	0.01	0.026	O	|	|	|	|	0.02
270.167	0.00	0.01	0.026	O	|	|	|	|	0.02
270.250	0.00	0.01	0.026	O	|	|	|	|	0.02
270.333	0.00	0.01	0.026	O	|	|	|	|	0.02
270.417	0.00	0.01	0.026	O	|	|	|	|	0.02
270.500	0.00	0.01	0.026	O	|	|	|	|	0.02
270.583	0.00	0.01	0.026	O	|	|	|	|	0.02
270.667	0.00	0.01	0.026	O	|	|	|	|	0.02
270.750	0.00	0.01	0.026	O	|	|	|	|	0.02
270.833	0.00	0.01	0.026	O	|	|	|	|	0.02
270.917	0.00	0.01	0.026	O	|	|	|	|	0.02
271.000	0.00	0.01	0.026	O	|	|	|	|	0.02
271.083	0.00	0.01	0.026	O	|	|	|	|	0.02
271.167	0.00	0.01	0.026	O	|	|	|	|	0.02
271.250	0.00	0.01	0.026	O	|	|	|	|	0.02
271.333	0.00	0.01	0.026	O	|	|	|	|	0.02
271.417	0.00	0.01	0.026	O	|	|	|	|	0.02
271.500	0.00	0.01	0.026	O	|	|	|	|	0.02
271.583	0.00	0.01	0.025	O	|	|	|	|	0.02
271.667	0.00	0.01	0.025	O	|	|	|	|	0.02
271.750	0.00	0.01	0.025	O	|	|	|	|	0.02
271.833	0.00	0.01	0.025	O	|	|	|	|	0.02
271.917	0.00	0.01	0.025	O	|	|	|	|	0.02
272.000	0.00	0.01	0.025	O	|	|	|	|	0.02
272.083	0.00	0.01	0.025	O	|	|	|	|	0.02
272.167	0.00	0.01	0.025	O	|	|	|	|	0.02
272.250	0.00	0.01	0.025	O	|	|	|	|	0.02
272.333	0.00	0.01	0.025	O	|	|	|	|	0.02
272.417	0.00	0.01	0.025	O	|	|	|	|	0.02
272.500	0.00	0.01	0.025	O	|	|	|	|	0.02
272.583	0.00	0.01	0.025	O	|	|	|	|	0.02
272.667	0.00	0.01	0.025	O	|	|	|	|	0.02
272.750	0.00	0.01	0.025	O	|	|	|	|	0.02
272.833	0.00	0.01	0.025	O	|	|	|	|	0.02
272.917	0.00	0.01	0.025	O	|	|	|	|	0.02
273.000	0.00	0.01	0.024	O	|	|	|	|	0.02
273.083	0.00	0.01	0.024	O	|	|	|	|	0.02
273.167	0.00	0.01	0.024	O	|	|	|	|	0.02
273.250	0.00	0.01	0.024	O	|	|	|	|	0.02
273.333	0.00	0.01	0.024	O	|	|	|	|	0.02
273.417	0.00	0.01	0.024	O	|	|	|	|	0.02
273.500	0.00	0.01	0.024	O	|	|	|	|	0.02
273.583	0.00	0.01	0.024	O	|	|	|	|	0.02
273.667	0.00	0.01	0.024	O	|	|	|	|	0.02
273.750	0.00	0.01	0.024	O	|	|	|	|	0.02

273.833	0.00	0.01	0.024	O	|	|	|	0.02
273.917	0.00	0.01	0.024	O	|	|	|	0.02
274.000	0.00	0.01	0.024	O	|	|	|	0.02
274.083	0.00	0.01	0.024	O	|	|	|	0.02
274.167	0.00	0.01	0.024	O	|	|	|	0.02
274.250	0.00	0.01	0.024	O	|	|	|	0.02
274.333	0.00	0.01	0.024	O	|	|	|	0.02
274.417	0.00	0.01	0.024	O	|	|	|	0.02
274.500	0.00	0.01	0.024	O	|	|	|	0.02
274.583	0.00	0.01	0.023	O	|	|	|	0.02
274.667	0.00	0.01	0.023	O	|	|	|	0.02
274.750	0.00	0.01	0.023	O	|	|	|	0.02
274.833	0.00	0.01	0.023	O	|	|	|	0.02
274.917	0.00	0.01	0.023	O	|	|	|	0.02
275.000	0.00	0.01	0.023	O	|	|	|	0.02
275.083	0.00	0.01	0.023	O	|	|	|	0.02
275.167	0.00	0.01	0.023	O	|	|	|	0.02
275.250	0.00	0.01	0.023	O	|	|	|	0.02
275.333	0.00	0.01	0.023	O	|	|	|	0.02
275.417	0.00	0.01	0.023	O	|	|	|	0.02
275.500	0.00	0.01	0.023	O	|	|	|	0.02
275.583	0.00	0.01	0.023	O	|	|	|	0.02
275.667	0.00	0.01	0.023	O	|	|	|	0.02
275.750	0.00	0.01	0.023	O	|	|	|	0.02
275.833	0.00	0.01	0.023	O	|	|	|	0.02
275.917	0.00	0.01	0.023	O	|	|	|	0.02
276.000	0.00	0.01	0.023	O	|	|	|	0.02
276.083	0.00	0.01	0.023	O	|	|	|	0.02
276.167	0.00	0.01	0.023	O	|	|	|	0.02
276.250	0.00	0.01	0.022	O	|	|	|	0.02
276.333	0.00	0.01	0.022	O	|	|	|	0.02
276.417	0.00	0.01	0.022	O	|	|	|	0.02
276.500	0.00	0.01	0.022	O	|	|	|	0.02
276.583	0.00	0.01	0.022	O	|	|	|	0.02
276.667	0.00	0.01	0.022	O	|	|	|	0.02
276.750	0.00	0.01	0.022	O	|	|	|	0.02
276.833	0.00	0.01	0.022	O	|	|	|	0.02
276.917	0.00	0.01	0.022	O	|	|	|	0.02
277.000	0.00	0.01	0.022	O	|	|	|	0.02
277.083	0.00	0.01	0.022	O	|	|	|	0.02
277.167	0.00	0.01	0.022	O	|	|	|	0.02
277.250	0.00	0.01	0.022	O	|	|	|	0.02
277.333	0.00	0.01	0.022	O	|	|	|	0.02
277.417	0.00	0.01	0.022	O	|	|	|	0.02
277.500	0.00	0.01	0.022	O	|	|	|	0.01
277.583	0.00	0.01	0.022	O	|	|	|	0.01
277.667	0.00	0.01	0.022	O	|	|	|	0.01
277.750	0.00	0.01	0.022	O	|	|	|	0.01
277.833	0.00	0.01	0.022	O	|	|	|	0.01
277.917	0.00	0.01	0.021	O	|	|	|	0.01
278.000	0.00	0.01	0.021	O	|	|	|	0.01
278.083	0.00	0.01	0.021	O	|	|	|	0.01
278.167	0.00	0.01	0.021	O	|	|	|	0.01
278.250	0.00	0.01	0.021	O	|	|	|	0.01
278.333	0.00	0.01	0.021	O	|	|	|	0.01
278.417	0.00	0.01	0.021	O	|	|	|	0.01
278.500	0.00	0.01	0.021	O	|	|	|	0.01
278.583	0.00	0.01	0.021	O	|	|	|	0.01
278.667	0.00	0.01	0.021	O	|	|	|	0.01
278.750	0.00	0.01	0.021	O	|	|	|	0.01
278.833	0.00	0.01	0.021	O	|	|	|	0.01
278.917	0.00	0.01	0.021	O	|	|	|	0.01
279.000	0.00	0.01	0.021	O	|	|	|	0.01
279.083	0.00	0.01	0.021	O	|	|	|	0.01
279.167	0.00	0.01	0.021	O	|	|	|	0.01
279.250	0.00	0.01	0.021	O	|	|	|	0.01
279.333	0.00	0.01	0.021	O	|	|	|	0.01

279.417	0.00	0.01	0.021	O	|	|	|	|	0.01
279.500	0.00	0.01	0.021	O	|	|	|	|	0.01
279.583	0.00	0.01	0.021	O	|	|	|	|	0.01
279.667	0.00	0.01	0.020	O	|	|	|	|	0.01
279.750	0.00	0.01	0.020	O	|	|	|	|	0.01
279.833	0.00	0.01	0.020	O	|	|	|	|	0.01
279.917	0.00	0.01	0.020	O	|	|	|	|	0.01
280.000	0.00	0.01	0.020	O	|	|	|	|	0.01
280.083	0.00	0.01	0.020	O	|	|	|	|	0.01
280.167	0.00	0.01	0.020	O	|	|	|	|	0.01
280.250	0.00	0.01	0.020	O	|	|	|	|	0.01
280.333	0.00	0.01	0.020	O	|	|	|	|	0.01
280.417	0.00	0.01	0.020	O	|	|	|	|	0.01
280.500	0.00	0.01	0.020	O	|	|	|	|	0.01
280.583	0.00	0.01	0.020	O	|	|	|	|	0.01
280.667	0.00	0.01	0.020	O	|	|	|	|	0.01
280.750	0.00	0.01	0.020	O	|	|	|	|	0.01
280.833	0.00	0.01	0.020	O	|	|	|	|	0.01
280.917	0.00	0.01	0.020	O	|	|	|	|	0.01
281.000	0.00	0.01	0.020	O	|	|	|	|	0.01
281.083	0.00	0.01	0.020	O	|	|	|	|	0.01
281.167	0.00	0.01	0.020	O	|	|	|	|	0.01
281.250	0.00	0.01	0.020	O	|	|	|	|	0.01
281.333	0.00	0.01	0.020	O	|	|	|	|	0.01
281.417	0.00	0.01	0.020	O	|	|	|	|	0.01
281.500	0.00	0.01	0.020	O	|	|	|	|	0.01
281.583	0.00	0.01	0.019	O	|	|	|	|	0.01
281.667	0.00	0.01	0.019	O	|	|	|	|	0.01
281.750	0.00	0.01	0.019	O	|	|	|	|	0.01
281.833	0.00	0.01	0.019	O	|	|	|	|	0.01
281.917	0.00	0.01	0.019	O	|	|	|	|	0.01
282.000	0.00	0.01	0.019	O	|	|	|	|	0.01
282.083	0.00	0.01	0.019	O	|	|	|	|	0.01
282.167	0.00	0.01	0.019	O	|	|	|	|	0.01
282.250	0.00	0.01	0.019	O	|	|	|	|	0.01
282.333	0.00	0.01	0.019	O	|	|	|	|	0.01
282.417	0.00	0.01	0.019	O	|	|	|	|	0.01
282.500	0.00	0.01	0.019	O	|	|	|	|	0.01
282.583	0.00	0.01	0.019	O	|	|	|	|	0.01
282.667	0.00	0.01	0.019	O	|	|	|	|	0.01
282.750	0.00	0.01	0.019	O	|	|	|	|	0.01
282.833	0.00	0.01	0.019	O	|	|	|	|	0.01
282.917	0.00	0.01	0.019	O	|	|	|	|	0.01
283.000	0.00	0.01	0.019	O	|	|	|	|	0.01
283.083	0.00	0.01	0.019	O	|	|	|	|	0.01
283.167	0.00	0.01	0.019	O	|	|	|	|	0.01
283.250	0.00	0.01	0.019	O	|	|	|	|	0.01
283.333	0.00	0.01	0.019	O	|	|	|	|	0.01
283.417	0.00	0.01	0.019	O	|	|	|	|	0.01
283.500	0.00	0.01	0.018	O	|	|	|	|	0.01
283.583	0.00	0.01	0.018	O	|	|	|	|	0.01
283.667	0.00	0.01	0.018	O	|	|	|	|	0.01
283.750	0.00	0.01	0.018	O	|	|	|	|	0.01
283.833	0.00	0.01	0.018	O	|	|	|	|	0.01
283.917	0.00	0.01	0.018	O	|	|	|	|	0.01
284.000	0.00	0.01	0.018	O	|	|	|	|	0.01
284.083	0.00	0.01	0.018	O	|	|	|	|	0.01
284.167	0.00	0.01	0.018	O	|	|	|	|	0.01
284.250	0.00	0.01	0.018	O	|	|	|	|	0.01
284.333	0.00	0.01	0.018	O	|	|	|	|	0.01
284.417	0.00	0.01	0.018	O	|	|	|	|	0.01
284.500	0.00	0.01	0.018	O	|	|	|	|	0.01
284.583	0.00	0.01	0.018	O	|	|	|	|	0.01
284.667	0.00	0.01	0.018	O	|	|	|	|	0.01
284.750	0.00	0.01	0.018	O	|	|	|	|	0.01
284.833	0.00	0.01	0.018	O	|	|	|	|	0.01
284.917	0.00	0.01	0.018	O	|	|	|	|	0.01

285.000	0.00	0.01	0.018	O	|	|	|	|	0.01
285.083	0.00	0.01	0.018	O	|	|	|	|	0.01
285.167	0.00	0.01	0.018	O	|	|	|	|	0.01
285.250	0.00	0.01	0.018	O	|	|	|	|	0.01
285.333	0.00	0.01	0.018	O	|	|	|	|	0.01
285.417	0.00	0.01	0.018	O	|	|	|	|	0.01
285.500	0.00	0.01	0.018	O	|	|	|	|	0.01
285.583	0.00	0.01	0.017	O	|	|	|	|	0.01
285.667	0.00	0.01	0.017	O	|	|	|	|	0.01
285.750	0.00	0.01	0.017	O	|	|	|	|	0.01
285.833	0.00	0.01	0.017	O	|	|	|	|	0.01
285.917	0.00	0.01	0.017	O	|	|	|	|	0.01
286.000	0.00	0.01	0.017	O	|	|	|	|	0.01
286.083	0.00	0.01	0.017	O	|	|	|	|	0.01
286.167	0.00	0.01	0.017	O	|	|	|	|	0.01
286.250	0.00	0.01	0.017	O	|	|	|	|	0.01
286.333	0.00	0.01	0.017	O	|	|	|	|	0.01
286.417	0.00	0.01	0.017	O	|	|	|	|	0.01
286.500	0.00	0.01	0.017	O	|	|	|	|	0.01
286.583	0.00	0.01	0.017	O	|	|	|	|	0.01
286.667	0.00	0.01	0.017	O	|	|	|	|	0.01
286.750	0.00	0.01	0.017	O	|	|	|	|	0.01
286.833	0.00	0.01	0.017	O	|	|	|	|	0.01
286.917	0.00	0.01	0.017	O	|	|	|	|	0.01
287.000	0.00	0.01	0.017	O	|	|	|	|	0.01
287.083	0.00	0.01	0.017	O	|	|	|	|	0.01
287.167	0.00	0.01	0.017	O	|	|	|	|	0.01
287.250	0.00	0.01	0.017	O	|	|	|	|	0.01
287.333	0.00	0.01	0.017	O	|	|	|	|	0.01
287.417	0.00	0.01	0.017	O	|	|	|	|	0.01
287.500	0.00	0.01	0.017	O	|	|	|	|	0.01
287.583	0.00	0.01	0.017	O	|	|	|	|	0.01
287.667	0.00	0.01	0.017	O	|	|	|	|	0.01
287.750	0.00	0.01	0.017	O	|	|	|	|	0.01
287.833	0.00	0.01	0.016	O	|	|	|	|	0.01
287.917	0.00	0.01	0.016	O	|	|	|	|	0.01
288.000	0.00	0.01	0.016	O	|	|	|	|	0.01
288.083	0.00	0.01	0.016	O	|	|	|	|	0.01
288.167	0.00	0.01	0.016	O	|	|	|	|	0.01
288.250	0.00	0.01	0.016	O	|	|	|	|	0.01
288.333	0.00	0.01	0.016	O	|	|	|	|	0.01
288.417	0.00	0.01	0.016	O	|	|	|	|	0.01
288.500	0.00	0.01	0.016	O	|	|	|	|	0.01
288.583	0.00	0.01	0.016	O	|	|	|	|	0.01
288.667	0.00	0.01	0.016	O	|	|	|	|	0.01
288.750	0.00	0.01	0.016	O	|	|	|	|	0.01
288.833	0.00	0.01	0.016	O	|	|	|	|	0.01
288.917	0.00	0.01	0.016	O	|	|	|	|	0.01
289.000	0.00	0.01	0.016	O	|	|	|	|	0.01
289.083	0.00	0.01	0.016	O	|	|	|	|	0.01
289.167	0.00	0.01	0.016	O	|	|	|	|	0.01
289.250	0.00	0.01	0.016	O	|	|	|	|	0.01
289.333	0.00	0.01	0.016	O	|	|	|	|	0.01
289.417	0.00	0.01	0.016	O	|	|	|	|	0.01
289.500	0.00	0.01	0.016	O	|	|	|	|	0.01
289.583	0.00	0.01	0.016	O	|	|	|	|	0.01
289.667	0.00	0.01	0.016	O	|	|	|	|	0.01
289.750	0.00	0.01	0.016	O	|	|	|	|	0.01
289.833	0.00	0.01	0.016	O	|	|	|	|	0.01
289.917	0.00	0.01	0.016	O	|	|	|	|	0.01
290.000	0.00	0.01	0.016	O	|	|	|	|	0.01
290.083	0.00	0.01	0.016	O	|	|	|	|	0.01
290.167	0.00	0.01	0.015	O	|	|	|	|	0.01
290.250	0.00	0.01	0.015	O	|	|	|	|	0.01
290.333	0.00	0.00	0.015	O	|	|	|	|	0.01
290.417	0.00	0.00	0.015	O	|	|	|	|	0.01
290.500	0.00	0.00	0.015	O	|	|	|	|	0.01

290.583	0.00	0.00	0.015	O	|	|	|	0.01
290.667	0.00	0.00	0.015	O	|	|	|	0.01
290.750	0.00	0.00	0.015	O	|	|	|	0.01
290.833	0.00	0.00	0.015	O	|	|	|	0.01
290.917	0.00	0.00	0.015	O	|	|	|	0.01
291.000	0.00	0.00	0.015	O	|	|	|	0.01
291.083	0.00	0.00	0.015	O	|	|	|	0.01
291.167	0.00	0.00	0.015	O	|	|	|	0.01
291.250	0.00	0.00	0.015	O	|	|	|	0.01
291.333	0.00	0.00	0.015	O	|	|	|	0.01
291.417	0.00	0.00	0.015	O	|	|	|	0.01
291.500	0.00	0.00	0.015	O	|	|	|	0.01
291.583	0.00	0.00	0.015	O	|	|	|	0.01
291.667	0.00	0.00	0.015	O	|	|	|	0.01
291.750	0.00	0.00	0.015	O	|	|	|	0.01
291.833	0.00	0.00	0.015	O	|	|	|	0.01
291.917	0.00	0.00	0.015	O	|	|	|	0.01
292.000	0.00	0.00	0.015	O	|	|	|	0.01
292.083	0.00	0.00	0.015	O	|	|	|	0.01
292.167	0.00	0.00	0.015	O	|	|	|	0.01
292.250	0.00	0.00	0.015	O	|	|	|	0.01
292.333	0.00	0.00	0.015	O	|	|	|	0.01
292.417	0.00	0.00	0.015	O	|	|	|	0.01
292.500	0.00	0.00	0.015	O	|	|	|	0.01
292.583	0.00	0.00	0.014	O	|	|	|	0.01
292.667	0.00	0.00	0.014	O	|	|	|	0.01
292.750	0.00	0.00	0.014	O	|	|	|	0.01
292.833	0.00	0.00	0.014	O	|	|	|	0.01
292.917	0.00	0.00	0.014	O	|	|	|	0.01
293.000	0.00	0.00	0.014	O	|	|	|	0.01
293.083	0.00	0.00	0.014	O	|	|	|	0.01
293.167	0.00	0.00	0.014	O	|	|	|	0.01
293.250	0.00	0.00	0.014	O	|	|	|	0.01
293.333	0.00	0.00	0.014	O	|	|	|	0.01
293.417	0.00	0.00	0.014	O	|	|	|	0.01
293.500	0.00	0.00	0.014	O	|	|	|	0.01
293.583	0.00	0.00	0.014	O	|	|	|	0.01
293.667	0.00	0.00	0.014	O	|	|	|	0.01
293.750	0.00	0.00	0.014	O	|	|	|	0.01
293.833	0.00	0.00	0.014	O	|	|	|	0.01
293.917	0.00	0.00	0.014	O	|	|	|	0.01
294.000	0.00	0.00	0.014	O	|	|	|	0.01
294.083	0.00	0.00	0.014	O	|	|	|	0.01
294.167	0.00	0.00	0.014	O	|	|	|	0.01
294.250	0.00	0.00	0.014	O	|	|	|	0.01
294.333	0.00	0.00	0.014	O	|	|	|	0.01
294.417	0.00	0.00	0.014	O	|	|	|	0.01
294.500	0.00	0.00	0.014	O	|	|	|	0.01
294.583	0.00	0.00	0.014	O	|	|	|	0.01
294.667	0.00	0.00	0.014	O	|	|	|	0.01
294.750	0.00	0.00	0.014	O	|	|	|	0.01
294.833	0.00	0.00	0.014	O	|	|	|	0.01
294.917	0.00	0.00	0.014	O	|	|	|	0.01
295.000	0.00	0.00	0.014	O	|	|	|	0.01
295.083	0.00	0.00	0.014	O	|	|	|	0.01
295.167	0.00	0.00	0.014	O	|	|	|	0.01
295.250	0.00	0.00	0.013	O	|	|	|	0.01
295.333	0.00	0.00	0.013	O	|	|	|	0.01
295.417	0.00	0.00	0.013	O	|	|	|	0.01
295.500	0.00	0.00	0.013	O	|	|	|	0.01
295.583	0.00	0.00	0.013	O	|	|	|	0.01
295.667	0.00	0.00	0.013	O	|	|	|	0.01
295.750	0.00	0.00	0.013	O	|	|	|	0.01
295.833	0.00	0.00	0.013	O	|	|	|	0.01
295.917	0.00	0.00	0.013	O	|	|	|	0.01
296.000	0.00	0.00	0.013	O	|	|	|	0.01
296.083	0.00	0.00	0.013	O	|	|	|	0.01

296.167	0.00	0.00	0.013	O	|	|	|	|	0.01
296.250	0.00	0.00	0.013	O	|	|	|	|	0.01
296.333	0.00	0.00	0.013	O	|	|	|	|	0.01
296.417	0.00	0.00	0.013	O	|	|	|	|	0.01
296.500	0.00	0.00	0.013	O	|	|	|	|	0.01
296.583	0.00	0.00	0.013	O	|	|	|	|	0.01
296.667	0.00	0.00	0.013	O	|	|	|	|	0.01
296.750	0.00	0.00	0.013	O	|	|	|	|	0.01
296.833	0.00	0.00	0.013	O	|	|	|	|	0.01
296.917	0.00	0.00	0.013	O	|	|	|	|	0.01
297.000	0.00	0.00	0.013	O	|	|	|	|	0.01
297.083	0.00	0.00	0.013	O	|	|	|	|	0.01
297.167	0.00	0.00	0.013	O	|	|	|	|	0.01
297.250	0.00	0.00	0.013	O	|	|	|	|	0.01
297.333	0.00	0.00	0.013	O	|	|	|	|	0.01
297.417	0.00	0.00	0.013	O	|	|	|	|	0.01
297.500	0.00	0.00	0.013	O	|	|	|	|	0.01
297.583	0.00	0.00	0.013	O	|	|	|	|	0.01
297.667	0.00	0.00	0.013	O	|	|	|	|	0.01
297.750	0.00	0.00	0.013	O	|	|	|	|	0.01
297.833	0.00	0.00	0.013	O	|	|	|	|	0.01
297.917	0.00	0.00	0.013	O	|	|	|	|	0.01
298.000	0.00	0.00	0.013	O	|	|	|	|	0.01
298.083	0.00	0.00	0.013	O	|	|	|	|	0.01
298.167	0.00	0.00	0.012	O	|	|	|	|	0.01
298.250	0.00	0.00	0.012	O	|	|	|	|	0.01
298.333	0.00	0.00	0.012	O	|	|	|	|	0.01
298.417	0.00	0.00	0.012	O	|	|	|	|	0.01
298.500	0.00	0.00	0.012	O	|	|	|	|	0.01
298.583	0.00	0.00	0.012	O	|	|	|	|	0.01
298.667	0.00	0.00	0.012	O	|	|	|	|	0.01
298.750	0.00	0.00	0.012	O	|	|	|	|	0.01
298.833	0.00	0.00	0.012	O	|	|	|	|	0.01
298.917	0.00	0.00	0.012	O	|	|	|	|	0.01
299.000	0.00	0.00	0.012	O	|	|	|	|	0.01
299.083	0.00	0.00	0.012	O	|	|	|	|	0.01
299.167	0.00	0.00	0.012	O	|	|	|	|	0.01
299.250	0.00	0.00	0.012	O	|	|	|	|	0.01
299.333	0.00	0.00	0.012	O	|	|	|	|	0.01
299.417	0.00	0.00	0.012	O	|	|	|	|	0.01
299.500	0.00	0.00	0.012	O	|	|	|	|	0.01
299.583	0.00	0.00	0.012	O	|	|	|	|	0.01
299.667	0.00	0.00	0.012	O	|	|	|	|	0.01
299.750	0.00	0.00	0.012	O	|	|	|	|	0.01
299.833	0.00	0.00	0.012	O	|	|	|	|	0.01
299.917	0.00	0.00	0.012	O	|	|	|	|	0.01
300.000	0.00	0.00	0.012	O	|	|	|	|	0.01
300.083	0.00	0.00	0.012	O	|	|	|	|	0.01
300.167	0.00	0.00	0.012	O	|	|	|	|	0.01
300.250	0.00	0.00	0.012	O	|	|	|	|	0.01
300.333	0.00	0.00	0.012	O	|	|	|	|	0.01
300.417	0.00	0.00	0.012	O	|	|	|	|	0.01
300.500	0.00	0.00	0.012	O	|	|	|	|	0.01
300.583	0.00	0.00	0.012	O	|	|	|	|	0.01
300.667	0.00	0.00	0.012	O	|	|	|	|	0.01
300.750	0.00	0.00	0.012	O	|	|	|	|	0.01
300.833	0.00	0.00	0.012	O	|	|	|	|	0.01
300.917	0.00	0.00	0.012	O	|	|	|	|	0.01
301.000	0.00	0.00	0.012	O	|	|	|	|	0.01
301.083	0.00	0.00	0.012	O	|	|	|	|	0.01
301.167	0.00	0.00	0.012	O	|	|	|	|	0.01
301.250	0.00	0.00	0.011	O	|	|	|	|	0.01
301.333	0.00	0.00	0.011	O	|	|	|	|	0.01
301.417	0.00	0.00	0.011	O	|	|	|	|	0.01
301.500	0.00	0.00	0.011	O	|	|	|	|	0.01
301.583	0.00	0.00	0.011	O	|	|	|	|	0.01
301.667	0.00	0.00	0.011	O	|	|	|	|	0.01

301.750	0.00	0.00	0.011	O	|	|	|	|	0.01
301.833	0.00	0.00	0.011	O	|	|	|	|	0.01
301.917	0.00	0.00	0.011	O	|	|	|	|	0.01
302.000	0.00	0.00	0.011	O	|	|	|	|	0.01
302.083	0.00	0.00	0.011	O	|	|	|	|	0.01
302.167	0.00	0.00	0.011	O	|	|	|	|	0.01
302.250	0.00	0.00	0.011	O	|	|	|	|	0.01
302.333	0.00	0.00	0.011	O	|	|	|	|	0.01
302.417	0.00	0.00	0.011	O	|	|	|	|	0.01
302.500	0.00	0.00	0.011	O	|	|	|	|	0.01
302.583	0.00	0.00	0.011	O	|	|	|	|	0.01
302.667	0.00	0.00	0.011	O	|	|	|	|	0.01
302.750	0.00	0.00	0.011	O	|	|	|	|	0.01
302.833	0.00	0.00	0.011	O	|	|	|	|	0.01
302.917	0.00	0.00	0.011	O	|	|	|	|	0.01
303.000	0.00	0.00	0.011	O	|	|	|	|	0.01
303.083	0.00	0.00	0.011	O	|	|	|	|	0.01
303.167	0.00	0.00	0.011	O	|	|	|	|	0.01
303.250	0.00	0.00	0.011	O	|	|	|	|	0.01
303.333	0.00	0.00	0.011	O	|	|	|	|	0.01
303.417	0.00	0.00	0.011	O	|	|	|	|	0.01
303.500	0.00	0.00	0.011	O	|	|	|	|	0.01
303.583	0.00	0.00	0.011	O	|	|	|	|	0.01
303.667	0.00	0.00	0.011	O	|	|	|	|	0.01
303.750	0.00	0.00	0.011	O	|	|	|	|	0.01
303.833	0.00	0.00	0.011	O	|	|	|	|	0.01
303.917	0.00	0.00	0.011	O	|	|	|	|	0.01
304.000	0.00	0.00	0.011	O	|	|	|	|	0.01
304.083	0.00	0.00	0.011	O	|	|	|	|	0.01
304.167	0.00	0.00	0.011	O	|	|	|	|	0.01
304.250	0.00	0.00	0.011	O	|	|	|	|	0.01
304.333	0.00	0.00	0.011	O	|	|	|	|	0.01
304.417	0.00	0.00	0.011	O	|	|	|	|	0.01
304.500	0.00	0.00	0.011	O	|	|	|	|	0.01
304.583	0.00	0.00	0.011	O	|	|	|	|	0.01
304.667	0.00	0.00	0.010	O	|	|	|	|	0.01
304.750	0.00	0.00	0.010	O	|	|	|	|	0.01
304.833	0.00	0.00	0.010	O	|	|	|	|	0.01
304.917	0.00	0.00	0.010	O	|	|	|	|	0.01
305.000	0.00	0.00	0.010	O	|	|	|	|	0.01
305.083	0.00	0.00	0.010	O	|	|	|	|	0.01
305.167	0.00	0.00	0.010	O	|	|	|	|	0.01
305.250	0.00	0.00	0.010	O	|	|	|	|	0.01
305.333	0.00	0.00	0.010	O	|	|	|	|	0.01
305.417	0.00	0.00	0.010	O	|	|	|	|	0.01
305.500	0.00	0.00	0.010	O	|	|	|	|	0.01
305.583	0.00	0.00	0.010	O	|	|	|	|	0.01
305.667	0.00	0.00	0.010	O	|	|	|	|	0.01
305.750	0.00	0.00	0.010	O	|	|	|	|	0.01
305.833	0.00	0.00	0.010	O	|	|	|	|	0.01
305.917	0.00	0.00	0.010	O	|	|	|	|	0.01
306.000	0.00	0.00	0.010	O	|	|	|	|	0.01
306.083	0.00	0.00	0.010	O	|	|	|	|	0.01
306.167	0.00	0.00	0.010	O	|	|	|	|	0.01
306.250	0.00	0.00	0.010	O	|	|	|	|	0.01
306.333	0.00	0.00	0.010	O	|	|	|	|	0.01
306.417	0.00	0.00	0.010	O	|	|	|	|	0.01
306.500	0.00	0.00	0.010	O	|	|	|	|	0.01
306.583	0.00	0.00	0.010	O	|	|	|	|	0.01
306.667	0.00	0.00	0.010	O	|	|	|	|	0.01
306.750	0.00	0.00	0.010	O	|	|	|	|	0.01
306.833	0.00	0.00	0.010	O	|	|	|	|	0.01
306.917	0.00	0.00	0.010	O	|	|	|	|	0.01
307.000	0.00	0.00	0.010	O	|	|	|	|	0.01
307.083	0.00	0.00	0.010	O	|	|	|	|	0.01
307.167	0.00	0.00	0.010	O	|	|	|	|	0.01
307.250	0.00	0.00	0.010	O	|	|	|	|	0.01

307.333	0.00	0.00	0.010	O	|	|	|	|	0.01
307.417	0.00	0.00	0.010	O	|	|	|	|	0.01
307.500	0.00	0.00	0.010	O	|	|	|	|	0.01
307.583	0.00	0.00	0.010	O	|	|	|	|	0.01
307.667	0.00	0.00	0.010	O	|	|	|	|	0.01
307.750	0.00	0.00	0.010	O	|	|	|	|	0.01
307.833	0.00	0.00	0.010	O	|	|	|	|	0.01
307.917	0.00	0.00	0.010	O	|	|	|	|	0.01
308.000	0.00	0.00	0.010	O	|	|	|	|	0.01
308.083	0.00	0.00	0.010	O	|	|	|	|	0.01
308.167	0.00	0.00	0.010	O	|	|	|	|	0.01
308.250	0.00	0.00	0.010	O	|	|	|	|	0.01
308.333	0.00	0.00	0.010	O	|	|	|	|	0.01
308.417	0.00	0.00	0.009	O	|	|	|	|	0.01
308.500	0.00	0.00	0.009	O	|	|	|	|	0.01
308.583	0.00	0.00	0.009	O	|	|	|	|	0.01
308.667	0.00	0.00	0.009	O	|	|	|	|	0.01
308.750	0.00	0.00	0.009	O	|	|	|	|	0.01
308.833	0.00	0.00	0.009	O	|	|	|	|	0.01
308.917	0.00	0.00	0.009	O	|	|	|	|	0.01
309.000	0.00	0.00	0.009	O	|	|	|	|	0.01
309.083	0.00	0.00	0.009	O	|	|	|	|	0.01
309.167	0.00	0.00	0.009	O	|	|	|	|	0.01
309.250	0.00	0.00	0.009	O	|	|	|	|	0.01
309.333	0.00	0.00	0.009	O	|	|	|	|	0.01
309.417	0.00	0.00	0.009	O	|	|	|	|	0.01
309.500	0.00	0.00	0.009	O	|	|	|	|	0.01
309.583	0.00	0.00	0.009	O	|	|	|	|	0.01
309.667	0.00	0.00	0.009	O	|	|	|	|	0.01
309.750	0.00	0.00	0.009	O	|	|	|	|	0.01
309.833	0.00	0.00	0.009	O	|	|	|	|	0.01
309.917	0.00	0.00	0.009	O	|	|	|	|	0.01
310.000	0.00	0.00	0.009	O	|	|	|	|	0.01
310.083	0.00	0.00	0.009	O	|	|	|	|	0.01
310.167	0.00	0.00	0.009	O	|	|	|	|	0.01
310.250	0.00	0.00	0.009	O	|	|	|	|	0.01
310.333	0.00	0.00	0.009	O	|	|	|	|	0.01
310.417	0.00	0.00	0.009	O	|	|	|	|	0.01
310.500	0.00	0.00	0.009	O	|	|	|	|	0.01
310.583	0.00	0.00	0.009	O	|	|	|	|	0.01
310.667	0.00	0.00	0.009	O	|	|	|	|	0.01
310.750	0.00	0.00	0.009	O	|	|	|	|	0.01
310.833	0.00	0.00	0.009	O	|	|	|	|	0.01
310.917	0.00	0.00	0.009	O	|	|	|	|	0.01
311.000	0.00	0.00	0.009	O	|	|	|	|	0.01
311.083	0.00	0.00	0.009	O	|	|	|	|	0.01
311.167	0.00	0.00	0.009	O	|	|	|	|	0.01
311.250	0.00	0.00	0.009	O	|	|	|	|	0.01
311.333	0.00	0.00	0.009	O	|	|	|	|	0.01
311.417	0.00	0.00	0.009	O	|	|	|	|	0.01
311.500	0.00	0.00	0.009	O	|	|	|	|	0.01
311.583	0.00	0.00	0.009	O	|	|	|	|	0.01
311.667	0.00	0.00	0.009	O	|	|	|	|	0.01
311.750	0.00	0.00	0.009	O	|	|	|	|	0.01
311.833	0.00	0.00	0.009	O	|	|	|	|	0.01
311.917	0.00	0.00	0.009	O	|	|	|	|	0.01
312.000	0.00	0.00	0.009	O	|	|	|	|	0.01
312.083	0.00	0.00	0.009	O	|	|	|	|	0.01
312.167	0.00	0.00	0.009	O	|	|	|	|	0.01
312.250	0.00	0.00	0.009	O	|	|	|	|	0.01
312.333	0.00	0.00	0.009	O	|	|	|	|	0.01
312.417	0.00	0.00	0.009	O	|	|	|	|	0.01
312.500	0.00	0.00	0.009	O	|	|	|	|	0.01
312.583	0.00	0.00	0.008	O	|	|	|	|	0.01
312.667	0.00	0.00	0.008	O	|	|	|	|	0.01
312.750	0.00	0.00	0.008	O	|	|	|	|	0.01
312.833	0.00	0.00	0.008	O	|	|	|	|	0.01

312.917	0.00	0.00	0.008	O	|	|	|	|	0.01
313.000	0.00	0.00	0.008	O	|	|	|	|	0.01
313.083	0.00	0.00	0.008	O	|	|	|	|	0.01
313.167	0.00	0.00	0.008	O	|	|	|	|	0.01
313.250	0.00	0.00	0.008	O	|	|	|	|	0.01
313.333	0.00	0.00	0.008	O	|	|	|	|	0.01
313.417	0.00	0.00	0.008	O	|	|	|	|	0.01
313.500	0.00	0.00	0.008	O	|	|	|	|	0.01
313.583	0.00	0.00	0.008	O	|	|	|	|	0.01
313.667	0.00	0.00	0.008	O	|	|	|	|	0.01
313.750	0.00	0.00	0.008	O	|	|	|	|	0.01
313.833	0.00	0.00	0.008	O	|	|	|	|	0.01
313.917	0.00	0.00	0.008	O	|	|	|	|	0.01
314.000	0.00	0.00	0.008	O	|	|	|	|	0.01
314.083	0.00	0.00	0.008	O	|	|	|	|	0.01
314.167	0.00	0.00	0.008	O	|	|	|	|	0.01
314.250	0.00	0.00	0.008	O	|	|	|	|	0.01
314.333	0.00	0.00	0.008	O	|	|	|	|	0.01
314.417	0.00	0.00	0.008	O	|	|	|	|	0.01
314.500	0.00	0.00	0.008	O	|	|	|	|	0.01
314.583	0.00	0.00	0.008	O	|	|	|	|	0.01
314.667	0.00	0.00	0.008	O	|	|	|	|	0.01
314.750	0.00	0.00	0.008	O	|	|	|	|	0.01
314.833	0.00	0.00	0.008	O	|	|	|	|	0.01
314.917	0.00	0.00	0.008	O	|	|	|	|	0.01
315.000	0.00	0.00	0.008	O	|	|	|	|	0.01
315.083	0.00	0.00	0.008	O	|	|	|	|	0.01
315.167	0.00	0.00	0.008	O	|	|	|	|	0.01
315.250	0.00	0.00	0.008	O	|	|	|	|	0.01
315.333	0.00	0.00	0.008	O	|	|	|	|	0.01
315.417	0.00	0.00	0.008	O	|	|	|	|	0.01
315.500	0.00	0.00	0.008	O	|	|	|	|	0.01
315.583	0.00	0.00	0.008	O	|	|	|	|	0.01
315.667	0.00	0.00	0.008	O	|	|	|	|	0.01
315.750	0.00	0.00	0.008	O	|	|	|	|	0.01
315.833	0.00	0.00	0.008	O	|	|	|	|	0.01
315.917	0.00	0.00	0.008	O	|	|	|	|	0.01
316.000	0.00	0.00	0.008	O	|	|	|	|	0.01
316.083	0.00	0.00	0.008	O	|	|	|	|	0.01
316.167	0.00	0.00	0.008	O	|	|	|	|	0.01
316.250	0.00	0.00	0.008	O	|	|	|	|	0.01
316.333	0.00	0.00	0.008	O	|	|	|	|	0.01
316.417	0.00	0.00	0.008	O	|	|	|	|	0.01
316.500	0.00	0.00	0.008	O	|	|	|	|	0.01
316.583	0.00	0.00	0.008	O	|	|	|	|	0.01
316.667	0.00	0.00	0.008	O	|	|	|	|	0.01
316.750	0.00	0.00	0.008	O	|	|	|	|	0.01
316.833	0.00	0.00	0.008	O	|	|	|	|	0.01
316.917	0.00	0.00	0.008	O	|	|	|	|	0.01
317.000	0.00	0.00	0.008	O	|	|	|	|	0.01
317.083	0.00	0.00	0.008	O	|	|	|	|	0.01
317.167	0.00	0.00	0.008	O	|	|	|	|	0.01
317.250	0.00	0.00	0.007	O	|	|	|	|	0.01
317.333	0.00	0.00	0.007	O	|	|	|	|	0.01
317.417	0.00	0.00	0.007	O	|	|	|	|	0.01
317.500	0.00	0.00	0.007	O	|	|	|	|	0.01
317.583	0.00	0.00	0.007	O	|	|	|	|	0.01
317.667	0.00	0.00	0.007	O	|	|	|	|	0.01
317.750	0.00	0.00	0.007	O	|	|	|	|	0.01
317.833	0.00	0.00	0.007	O	|	|	|	|	0.01
317.917	0.00	0.00	0.007	O	|	|	|	|	0.01
318.000	0.00	0.00	0.007	O	|	|	|	|	0.01
318.083	0.00	0.00	0.007	O	|	|	|	|	0.01
318.167	0.00	0.00	0.007	O	|	|	|	|	0.01
318.250	0.00	0.00	0.007	O	|	|	|	|	0.01
318.333	0.00	0.00	0.007	O	|	|	|	|	0.01
318.417	0.00	0.00	0.007	O	|	|	|	|	0.01

318.500	0.00	0.00	0.007	O	|	|	|	0.00
318.583	0.00	0.00	0.007	O	|	|	|	0.00
318.667	0.00	0.00	0.007	O	|	|	|	0.00
318.750	0.00	0.00	0.007	O	|	|	|	0.00
318.833	0.00	0.00	0.007	O	|	|	|	0.00
318.917	0.00	0.00	0.007	O	|	|	|	0.00
319.000	0.00	0.00	0.007	O	|	|	|	0.00
319.083	0.00	0.00	0.007	O	|	|	|	0.00
319.167	0.00	0.00	0.007	O	|	|	|	0.00
319.250	0.00	0.00	0.007	O	|	|	|	0.00
319.333	0.00	0.00	0.007	O	|	|	|	0.00
319.417	0.00	0.00	0.007	O	|	|	|	0.00
319.500	0.00	0.00	0.007	O	|	|	|	0.00
319.583	0.00	0.00	0.007	O	|	|	|	0.00
319.667	0.00	0.00	0.007	O	|	|	|	0.00
319.750	0.00	0.00	0.007	O	|	|	|	0.00
319.833	0.00	0.00	0.007	O	|	|	|	0.00
319.917	0.00	0.00	0.007	O	|	|	|	0.00
320.000	0.00	0.00	0.007	O	|	|	|	0.00
320.083	0.00	0.00	0.007	O	|	|	|	0.00
320.167	0.00	0.00	0.007	O	|	|	|	0.00
320.250	0.00	0.00	0.007	O	|	|	|	0.00
320.333	0.00	0.00	0.007	O	|	|	|	0.00
320.417	0.00	0.00	0.007	O	|	|	|	0.00
320.500	0.00	0.00	0.007	O	|	|	|	0.00
320.583	0.00	0.00	0.007	O	|	|	|	0.00
320.667	0.00	0.00	0.007	O	|	|	|	0.00
320.750	0.00	0.00	0.007	O	|	|	|	0.00
320.833	0.00	0.00	0.007	O	|	|	|	0.00
320.917	0.00	0.00	0.007	O	|	|	|	0.00
321.000	0.00	0.00	0.007	O	|	|	|	0.00
321.083	0.00	0.00	0.007	O	|	|	|	0.00
321.167	0.00	0.00	0.007	O	|	|	|	0.00
321.250	0.00	0.00	0.007	O	|	|	|	0.00
321.333	0.00	0.00	0.007	O	|	|	|	0.00
321.417	0.00	0.00	0.007	O	|	|	|	0.00
321.500	0.00	0.00	0.007	O	|	|	|	0.00
321.583	0.00	0.00	0.007	O	|	|	|	0.00
321.667	0.00	0.00	0.007	O	|	|	|	0.00
321.750	0.00	0.00	0.007	O	|	|	|	0.00
321.833	0.00	0.00	0.007	O	|	|	|	0.00
321.917	0.00	0.00	0.007	O	|	|	|	0.00
322.000	0.00	0.00	0.007	O	|	|	|	0.00
322.083	0.00	0.00	0.007	O	|	|	|	0.00
322.167	0.00	0.00	0.007	O	|	|	|	0.00
322.250	0.00	0.00	0.007	O	|	|	|	0.00
322.333	0.00	0.00	0.007	O	|	|	|	0.00
322.417	0.00	0.00	0.007	O	|	|	|	0.00
322.500	0.00	0.00	0.007	O	|	|	|	0.00
322.583	0.00	0.00	0.006	O	|	|	|	0.00
322.667	0.00	0.00	0.006	O	|	|	|	0.00
322.750	0.00	0.00	0.006	O	|	|	|	0.00
322.833	0.00	0.00	0.006	O	|	|	|	0.00
322.917	0.00	0.00	0.006	O	|	|	|	0.00
323.000	0.00	0.00	0.006	O	|	|	|	0.00
323.083	0.00	0.00	0.006	O	|	|	|	0.00
323.167	0.00	0.00	0.006	O	|	|	|	0.00
323.250	0.00	0.00	0.006	O	|	|	|	0.00
323.333	0.00	0.00	0.006	O	|	|	|	0.00
323.417	0.00	0.00	0.006	O	|	|	|	0.00
323.500	0.00	0.00	0.006	O	|	|	|	0.00
323.583	0.00	0.00	0.006	O	|	|	|	0.00
323.667	0.00	0.00	0.006	O	|	|	|	0.00
323.750	0.00	0.00	0.006	O	|	|	|	0.00
323.833	0.00	0.00	0.006	O	|	|	|	0.00
323.917	0.00	0.00	0.006	O	|	|	|	0.00
324.000	0.00	0.00	0.006	O	|	|	|	0.00

324.083	0.00	0.00	0.006	O				0.00
324.167	0.00	0.00	0.006	O				0.00
324.250	0.00	0.00	0.006	O				0.00
324.333	0.00	0.00	0.006	O				0.00
324.417	0.00	0.00	0.006	O				0.00
324.500	0.00	0.00	0.006	O				0.00
324.583	0.00	0.00	0.006	O				0.00
324.667	0.00	0.00	0.006	O				0.00
324.750	0.00	0.00	0.006	O				0.00
324.833	0.00	0.00	0.006	O				0.00
324.917	0.00	0.00	0.006	O				0.00
325.000	0.00	0.00	0.006	O				0.00
325.083	0.00	0.00	0.006	O				0.00
325.167	0.00	0.00	0.006	O				0.00
325.250	0.00	0.00	0.006	O				0.00
325.333	0.00	0.00	0.006	O				0.00
325.417	0.00	0.00	0.006	O				0.00
325.500	0.00	0.00	0.006	O				0.00
325.583	0.00	0.00	0.006	O				0.00
325.667	0.00	0.00	0.006	O				0.00
325.750	0.00	0.00	0.006	O				0.00
325.833	0.00	0.00	0.006	O				0.00
325.917	0.00	0.00	0.006	O				0.00
326.000	0.00	0.00	0.006	O				0.00
326.083	0.00	0.00	0.006	O				0.00
326.167	0.00	0.00	0.006	O				0.00
326.250	0.00	0.00	0.006	O				0.00
326.333	0.00	0.00	0.006	O				0.00
326.417	0.00	0.00	0.006	O				0.00
326.500	0.00	0.00	0.006	O				0.00
326.583	0.00	0.00	0.006	O				0.00
326.667	0.00	0.00	0.006	O				0.00
326.750	0.00	0.00	0.006	O				0.00
326.833	0.00	0.00	0.006	O				0.00
326.917	0.00	0.00	0.006	O				0.00
327.000	0.00	0.00	0.006	O				0.00
327.083	0.00	0.00	0.006	O				0.00
327.167	0.00	0.00	0.006	O				0.00
327.250	0.00	0.00	0.006	O				0.00
327.333	0.00	0.00	0.006	O				0.00
327.417	0.00	0.00	0.006	O				0.00
327.500	0.00	0.00	0.006	O				0.00
327.583	0.00	0.00	0.006	O				0.00
327.667	0.00	0.00	0.006	O				0.00
327.750	0.00	0.00	0.006	O				0.00
327.833	0.00	0.00	0.006	O				0.00
327.917	0.00	0.00	0.006	O				0.00
328.000	0.00	0.00	0.006	O				0.00
328.083	0.00	0.00	0.006	O				0.00
328.167	0.00	0.00	0.006	O				0.00
328.250	0.00	0.00	0.006	O				0.00
328.333	0.00	0.00	0.006	O				0.00
328.417	0.00	0.00	0.006	O				0.00
328.500	0.00	0.00	0.006	O				0.00
328.583	0.00	0.00	0.006	O				0.00
328.667	0.00	0.00	0.006	O				0.00
328.750	0.00	0.00	0.006	O				0.00
328.833	0.00	0.00	0.005	O				0.00
328.917	0.00	0.00	0.005	O				0.00
329.000	0.00	0.00	0.005	O				0.00
329.083	0.00	0.00	0.005	O				0.00
329.167	0.00	0.00	0.005	O				0.00
329.250	0.00	0.00	0.005	O				0.00
329.333	0.00	0.00	0.005	O				0.00
329.417	0.00	0.00	0.005	O				0.00
329.500	0.00	0.00	0.005	O				0.00
329.583	0.00	0.00	0.005	O				0.00

329.667	0.00	0.00	0.005	O					0.00
329.750	0.00	0.00	0.005	O					0.00
329.833	0.00	0.00	0.005	O					0.00
329.917	0.00	0.00	0.005	O					0.00
330.000	0.00	0.00	0.005	O					0.00
330.083	0.00	0.00	0.005	O					0.00
330.167	0.00	0.00	0.005	O					0.00
330.250	0.00	0.00	0.005	O					0.00
330.333	0.00	0.00	0.005	O					0.00
330.417	0.00	0.00	0.005	O					0.00
330.500	0.00	0.00	0.005	O					0.00
330.583	0.00	0.00	0.005	O					0.00
330.667	0.00	0.00	0.005	O					0.00
330.750	0.00	0.00	0.005	O					0.00
330.833	0.00	0.00	0.005	O					0.00
330.917	0.00	0.00	0.005	O					0.00
331.000	0.00	0.00	0.005	O					0.00
331.083	0.00	0.00	0.005	O					0.00
331.167	0.00	0.00	0.005	O					0.00
331.250	0.00	0.00	0.005	O					0.00
331.333	0.00	0.00	0.005	O					0.00
331.417	0.00	0.00	0.005	O					0.00
331.500	0.00	0.00	0.005	O					0.00
331.583	0.00	0.00	0.005	O					0.00
331.667	0.00	0.00	0.005	O					0.00
331.750	0.00	0.00	0.005	O					0.00
331.833	0.00	0.00	0.005	O					0.00
331.917	0.00	0.00	0.005	O					0.00
332.000	0.00	0.00	0.005	O					0.00
332.083	0.00	0.00	0.005	O					0.00
332.167	0.00	0.00	0.005	O					0.00
332.250	0.00	0.00	0.005	O					0.00
332.333	0.00	0.00	0.005	O					0.00
332.417	0.00	0.00	0.005	O					0.00
332.500	0.00	0.00	0.005	O					0.00
332.583	0.00	0.00	0.005	O					0.00
332.667	0.00	0.00	0.005	O					0.00
332.750	0.00	0.00	0.005	O					0.00
332.833	0.00	0.00	0.005	O					0.00
332.917	0.00	0.00	0.005	O					0.00
333.000	0.00	0.00	0.005	O					0.00
333.083	0.00	0.00	0.005	O					0.00
333.167	0.00	0.00	0.005	O					0.00
333.250	0.00	0.00	0.005	O					0.00
333.333	0.00	0.00	0.005	O					0.00
333.417	0.00	0.00	0.005	O					0.00
333.500	0.00	0.00	0.005	O					0.00
333.583	0.00	0.00	0.005	O					0.00
333.667	0.00	0.00	0.005	O					0.00
333.750	0.00	0.00	0.005	O					0.00
333.833	0.00	0.00	0.005	O					0.00
333.917	0.00	0.00	0.005	O					0.00
334.000	0.00	0.00	0.005	O					0.00
334.083	0.00	0.00	0.005	O					0.00
334.167	0.00	0.00	0.005	O					0.00
334.250	0.00	0.00	0.005	O					0.00
334.333	0.00	0.00	0.005	O					0.00
334.417	0.00	0.00	0.005	O					0.00
334.500	0.00	0.00	0.005	O					0.00
334.583	0.00	0.00	0.005	O					0.00
334.667	0.00	0.00	0.005	O					0.00
334.750	0.00	0.00	0.005	O					0.00
334.833	0.00	0.00	0.005	O					0.00
334.917	0.00	0.00	0.005	O					0.00
335.000	0.00	0.00	0.005	O					0.00
335.083	0.00	0.00	0.005	O					0.00
335.167	0.00	0.00	0.005	O					0.00

335.250	0.00	0.00	0.005	O					0.00
335.333	0.00	0.00	0.005	O					0.00
335.417	0.00	0.00	0.005	O					0.00
335.500	0.00	0.00	0.005	O					0.00
335.583	0.00	0.00	0.005	O					0.00
335.667	0.00	0.00	0.005	O					0.00
335.750	0.00	0.00	0.005	O					0.00
335.833	0.00	0.00	0.005	O					0.00
335.917	0.00	0.00	0.005	O					0.00
336.000	0.00	0.00	0.005	O					0.00
336.083	0.00	0.00	0.005	O					0.00
336.167	0.00	0.00	0.005	O					0.00
336.250	0.00	0.00	0.005	O					0.00
336.333	0.00	0.00	0.004	O					0.00
336.417	0.00	0.00	0.004	O					0.00
336.500	0.00	0.00	0.004	O					0.00
336.583	0.00	0.00	0.004	O					0.00
336.667	0.00	0.00	0.004	O					0.00
336.750	0.00	0.00	0.004	O					0.00
336.833	0.00	0.00	0.004	O					0.00
336.917	0.00	0.00	0.004	O					0.00
337.000	0.00	0.00	0.004	O					0.00
337.083	0.00	0.00	0.004	O					0.00
337.167	0.00	0.00	0.004	O					0.00
337.250	0.00	0.00	0.004	O					0.00
337.333	0.00	0.00	0.004	O					0.00
337.417	0.00	0.00	0.004	O					0.00
337.500	0.00	0.00	0.004	O					0.00
337.583	0.00	0.00	0.004	O					0.00
337.667	0.00	0.00	0.004	O					0.00
337.750	0.00	0.00	0.004	O					0.00
337.833	0.00	0.00	0.004	O					0.00
337.917	0.00	0.00	0.004	O					0.00
338.000	0.00	0.00	0.004	O					0.00
338.083	0.00	0.00	0.004	O					0.00
338.167	0.00	0.00	0.004	O					0.00
338.250	0.00	0.00	0.004	O					0.00
338.333	0.00	0.00	0.004	O					0.00
338.417	0.00	0.00	0.004	O					0.00
338.500	0.00	0.00	0.004	O					0.00
338.583	0.00	0.00	0.004	O					0.00
338.667	0.00	0.00	0.004	O					0.00
338.750	0.00	0.00	0.004	O					0.00
338.833	0.00	0.00	0.004	O					0.00
338.917	0.00	0.00	0.004	O					0.00
339.000	0.00	0.00	0.004	O					0.00
339.083	0.00	0.00	0.004	O					0.00
339.167	0.00	0.00	0.004	O					0.00
339.250	0.00	0.00	0.004	O					0.00
339.333	0.00	0.00	0.004	O					0.00
339.417	0.00	0.00	0.004	O					0.00
339.500	0.00	0.00	0.004	O					0.00
339.583	0.00	0.00	0.004	O					0.00
339.667	0.00	0.00	0.004	O					0.00
339.750	0.00	0.00	0.004	O					0.00
339.833	0.00	0.00	0.004	O					0.00
339.917	0.00	0.00	0.004	O					0.00
340.000	0.00	0.00	0.004	O					0.00
340.083	0.00	0.00	0.004	O					0.00
340.167	0.00	0.00	0.004	O					0.00
340.250	0.00	0.00	0.004	O					0.00
340.333	0.00	0.00	0.004	O					0.00
340.417	0.00	0.00	0.004	O					0.00
340.500	0.00	0.00	0.004	O					0.00
340.583	0.00	0.00	0.004	O					0.00
340.667	0.00	0.00	0.004	O					0.00
340.750	0.00	0.00	0.004	O					0.00

340.833	0.00	0.00	0.004	O	|	|	|	0.00
340.917	0.00	0.00	0.004	O	|	|	|	0.00
341.000	0.00	0.00	0.004	O	|	|	|	0.00
341.083	0.00	0.00	0.004	O	|	|	|	0.00
341.167	0.00	0.00	0.004	O	|	|	|	0.00
341.250	0.00	0.00	0.004	O	|	|	|	0.00
341.333	0.00	0.00	0.004	O	|	|	|	0.00
341.417	0.00	0.00	0.004	O	|	|	|	0.00
341.500	0.00	0.00	0.004	O	|	|	|	0.00
341.583	0.00	0.00	0.004	O	|	|	|	0.00
341.667	0.00	0.00	0.004	O	|	|	|	0.00
341.750	0.00	0.00	0.004	O	|	|	|	0.00
341.833	0.00	0.00	0.004	O	|	|	|	0.00
341.917	0.00	0.00	0.004	O	|	|	|	0.00
342.000	0.00	0.00	0.004	O	|	|	|	0.00
342.083	0.00	0.00	0.004	O	|	|	|	0.00
342.167	0.00	0.00	0.004	O	|	|	|	0.00
342.250	0.00	0.00	0.004	O	|	|	|	0.00
342.333	0.00	0.00	0.004	O	|	|	|	0.00
342.417	0.00	0.00	0.004	O	|	|	|	0.00
342.500	0.00	0.00	0.004	O	|	|	|	0.00
342.583	0.00	0.00	0.004	O	|	|	|	0.00
342.667	0.00	0.00	0.004	O	|	|	|	0.00
342.750	0.00	0.00	0.004	O	|	|	|	0.00
342.833	0.00	0.00	0.004	O	|	|	|	0.00
342.917	0.00	0.00	0.004	O	|	|	|	0.00
343.000	0.00	0.00	0.004	O	|	|	|	0.00
343.083	0.00	0.00	0.004	O	|	|	|	0.00
343.167	0.00	0.00	0.004	O	|	|	|	0.00
343.250	0.00	0.00	0.004	O	|	|	|	0.00
343.333	0.00	0.00	0.004	O	|	|	|	0.00
343.417	0.00	0.00	0.004	O	|	|	|	0.00
343.500	0.00	0.00	0.004	O	|	|	|	0.00
343.583	0.00	0.00	0.004	O	|	|	|	0.00
343.667	0.00	0.00	0.004	O	|	|	|	0.00
343.750	0.00	0.00	0.004	O	|	|	|	0.00
343.833	0.00	0.00	0.004	O	|	|	|	0.00
343.917	0.00	0.00	0.004	O	|	|	|	0.00
344.000	0.00	0.00	0.004	O	|	|	|	0.00
344.083	0.00	0.00	0.004	O	|	|	|	0.00
344.167	0.00	0.00	0.004	O	|	|	|	0.00
344.250	0.00	0.00	0.004	O	|	|	|	0.00
344.333	0.00	0.00	0.004	O	|	|	|	0.00
344.417	0.00	0.00	0.004	O	|	|	|	0.00
344.500	0.00	0.00	0.004	O	|	|	|	0.00
344.583	0.00	0.00	0.004	O	|	|	|	0.00
344.667	0.00	0.00	0.004	O	|	|	|	0.00
344.750	0.00	0.00	0.004	O	|	|	|	0.00
344.833	0.00	0.00	0.004	O	|	|	|	0.00
344.917	0.00	0.00	0.004	O	|	|	|	0.00
345.000	0.00	0.00	0.004	O	|	|	|	0.00
345.083	0.00	0.00	0.004	O	|	|	|	0.00
345.167	0.00	0.00	0.004	O	|	|	|	0.00
345.250	0.00	0.00	0.004	O	|	|	|	0.00
345.333	0.00	0.00	0.004	O	|	|	|	0.00
345.417	0.00	0.00	0.004	O	|	|	|	0.00
345.500	0.00	0.00	0.004	O	|	|	|	0.00
345.583	0.00	0.00	0.004	O	|	|	|	0.00
345.667	0.00	0.00	0.003	O	|	|	|	0.00
345.750	0.00	0.00	0.003	O	|	|	|	0.00
345.833	0.00	0.00	0.003	O	|	|	|	0.00
345.917	0.00	0.00	0.003	O	|	|	|	0.00
346.000	0.00	0.00	0.003	O	|	|	|	0.00
346.083	0.00	0.00	0.003	O	|	|	|	0.00
346.167	0.00	0.00	0.003	O	|	|	|	0.00
346.250	0.00	0.00	0.003	O	|	|	|	0.00
346.333	0.00	0.00	0.003	O	|	|	|	0.00

346.417	0.00	0.00	0.003	O	|	|	|	|	0.00
346.500	0.00	0.00	0.003	O	|	|	|	|	0.00
346.583	0.00	0.00	0.003	O	|	|	|	|	0.00
346.667	0.00	0.00	0.003	O	|	|	|	|	0.00
346.750	0.00	0.00	0.003	O	|	|	|	|	0.00
346.833	0.00	0.00	0.003	O	|	|	|	|	0.00
346.917	0.00	0.00	0.003	O	|	|	|	|	0.00
347.000	0.00	0.00	0.003	O	|	|	|	|	0.00
347.083	0.00	0.00	0.003	O	|	|	|	|	0.00
347.167	0.00	0.00	0.003	O	|	|	|	|	0.00
347.250	0.00	0.00	0.003	O	|	|	|	|	0.00
347.333	0.00	0.00	0.003	O	|	|	|	|	0.00
347.417	0.00	0.00	0.003	O	|	|	|	|	0.00
347.500	0.00	0.00	0.003	O	|	|	|	|	0.00
347.583	0.00	0.00	0.003	O	|	|	|	|	0.00
347.667	0.00	0.00	0.003	O	|	|	|	|	0.00
347.750	0.00	0.00	0.003	O	|	|	|	|	0.00
347.833	0.00	0.00	0.003	O	|	|	|	|	0.00
347.917	0.00	0.00	0.003	O	|	|	|	|	0.00
348.000	0.00	0.00	0.003	O	|	|	|	|	0.00
348.083	0.00	0.00	0.003	O	|	|	|	|	0.00
348.167	0.00	0.00	0.003	O	|	|	|	|	0.00
348.250	0.00	0.00	0.003	O	|	|	|	|	0.00
348.333	0.00	0.00	0.003	O	|	|	|	|	0.00
348.417	0.00	0.00	0.003	O	|	|	|	|	0.00
348.500	0.00	0.00	0.003	O	|	|	|	|	0.00
348.583	0.00	0.00	0.003	O	|	|	|	|	0.00
348.667	0.00	0.00	0.003	O	|	|	|	|	0.00
348.750	0.00	0.00	0.003	O	|	|	|	|	0.00
348.833	0.00	0.00	0.003	O	|	|	|	|	0.00
348.917	0.00	0.00	0.003	O	|	|	|	|	0.00
349.000	0.00	0.00	0.003	O	|	|	|	|	0.00
349.083	0.00	0.00	0.003	O	|	|	|	|	0.00
349.167	0.00	0.00	0.003	O	|	|	|	|	0.00
349.250	0.00	0.00	0.003	O	|	|	|	|	0.00
349.333	0.00	0.00	0.003	O	|	|	|	|	0.00
349.417	0.00	0.00	0.003	O	|	|	|	|	0.00
349.500	0.00	0.00	0.003	O	|	|	|	|	0.00
349.583	0.00	0.00	0.003	O	|	|	|	|	0.00
349.667	0.00	0.00	0.003	O	|	|	|	|	0.00
349.750	0.00	0.00	0.003	O	|	|	|	|	0.00
349.833	0.00	0.00	0.003	O	|	|	|	|	0.00
349.917	0.00	0.00	0.003	O	|	|	|	|	0.00
350.000	0.00	0.00	0.003	O	|	|	|	|	0.00
350.083	0.00	0.00	0.003	O	|	|	|	|	0.00
350.167	0.00	0.00	0.003	O	|	|	|	|	0.00
350.250	0.00	0.00	0.003	O	|	|	|	|	0.00
350.333	0.00	0.00	0.003	O	|	|	|	|	0.00
350.417	0.00	0.00	0.003	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 4205
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 60.850 (CFS)
Total volume = 37.269 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

BASIN I

UNIT HYDROGRAPH

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/21/21 File: RVEI242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN I- EXISTING UNIT HYDROGRAPH
2YR-24HR STORM

Drainage Area = 20.28(Ac.) = 0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 20.28(Ac.) = 0.032 Sq. Mi.
Length along longest watercourse = 1074.00(Ft.)
Length along longest watercourse measured to centroid = 705.00(Ft.)
Length along longest watercourse = 0.203 Mi.
Length along longest watercourse measured to centroid = 0.134 Mi.
Difference in elevation = 105.00(Ft.)
Slope along watercourse = 516.2011 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.074 Hr.
Lag time = 4.47 Min.
25% of lag time = 1.12 Min.
40% of lag time = 1.79 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	2.70	54.76

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	7.00	141.96

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
20.280	83.70	0.000

Total Area Entered = 20.28(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-1     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
83.7  68.2      0.382     0.000        0.382       1.000      0.382
                                                  Sum (F) =   0.382
Area averaged mean soil loss (F) (In/Hr) =  0.382
Minimum soil loss rate ((In/Hr)) =  0.191
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
------------------------------------------------------------------------

            U n i t  H y d r o g r a p h
                   VALLEY S-Curve
------------------------------------------------------------------------
            Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %            (CFS)
------------------------------------------------------------------------
       1   0.083        111.967         22.829              4.666
       2   0.167        223.935         48.848              9.984
       3   0.250        335.902         14.086              2.879
       4   0.333        447.869          6.444              1.317
       5   0.417        559.837          3.580              0.732
       6   0.500        671.804          2.198              0.449
       7   0.583        783.771          1.294              0.264
       8   0.667        895.739          0.722              0.148
                              Sum = 100.000   Sum=      20.438
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.677)	0.019	0.002
2	0.17	0.07	0.022	(0.674)	0.019	0.002
3	0.25	0.07	0.022	(0.671)	0.019	0.002
4	0.33	0.10	0.032	(0.669)	0.029	0.003
5	0.42	0.10	0.032	(0.666)	0.029	0.003
6	0.50	0.10	0.032	(0.664)	0.029	0.003
7	0.58	0.10	0.032	(0.661)	0.029	0.003
8	0.67	0.10	0.032	(0.658)	0.029	0.003
9	0.75	0.10	0.032	(0.656)	0.029	0.003
10	0.83	0.13	0.043	(0.653)	0.039	0.004
11	0.92	0.13	0.043	(0.651)	0.039	0.004
12	1.00	0.13	0.043	(0.648)	0.039	0.004
13	1.08	0.10	0.032	(0.646)	0.029	0.003
14	1.17	0.10	0.032	(0.643)	0.029	0.003
15	1.25	0.10	0.032	(0.640)	0.029	0.003
16	1.33	0.10	0.032	(0.638)	0.029	0.003
17	1.42	0.10	0.032	(0.635)	0.029	0.003
18	1.50	0.10	0.032	(0.633)	0.029	0.003
19	1.58	0.10	0.032	(0.630)	0.029	0.003
20	1.67	0.10	0.032	(0.628)	0.029	0.003
21	1.75	0.10	0.032	(0.625)	0.029	0.003
22	1.83	0.13	0.043	(0.623)	0.039	0.004
23	1.92	0.13	0.043	(0.620)	0.039	0.004
24	2.00	0.13	0.043	(0.618)	0.039	0.004
25	2.08	0.13	0.043	(0.615)	0.039	0.004
26	2.17	0.13	0.043	(0.613)	0.039	0.004
27	2.25	0.13	0.043	(0.610)	0.039	0.004
28	2.33	0.13	0.043	(0.608)	0.039	0.004
29	2.42	0.13	0.043	(0.605)	0.039	0.004
30	2.50	0.13	0.043	(0.603)	0.039	0.004
31	2.58	0.17	0.054	(0.600)	0.049	0.005
32	2.67	0.17	0.054	(0.598)	0.049	0.005
33	2.75	0.17	0.054	(0.595)	0.049	0.005

34	2.83	0.17	0.054	(0.593)	0.049	0.005
35	2.92	0.17	0.054	(0.590)	0.049	0.005
36	3.00	0.17	0.054	(0.588)	0.049	0.005
37	3.08	0.17	0.054	(0.586)	0.049	0.005
38	3.17	0.17	0.054	(0.583)	0.049	0.005
39	3.25	0.17	0.054	(0.581)	0.049	0.005
40	3.33	0.17	0.054	(0.578)	0.049	0.005
41	3.42	0.17	0.054	(0.576)	0.049	0.005
42	3.50	0.17	0.054	(0.574)	0.049	0.005
43	3.58	0.17	0.054	(0.571)	0.049	0.005
44	3.67	0.17	0.054	(0.569)	0.049	0.005
45	3.75	0.17	0.054	(0.566)	0.049	0.005
46	3.83	0.20	0.065	(0.564)	0.058	0.006
47	3.92	0.20	0.065	(0.562)	0.058	0.006
48	4.00	0.20	0.065	(0.559)	0.058	0.006
49	4.08	0.20	0.065	(0.557)	0.058	0.006
50	4.17	0.20	0.065	(0.554)	0.058	0.006
51	4.25	0.20	0.065	(0.552)	0.058	0.006
52	4.33	0.23	0.076	(0.550)	0.068	0.008
53	4.42	0.23	0.076	(0.547)	0.068	0.008
54	4.50	0.23	0.076	(0.545)	0.068	0.008
55	4.58	0.23	0.076	(0.543)	0.068	0.008
56	4.67	0.23	0.076	(0.540)	0.068	0.008
57	4.75	0.23	0.076	(0.538)	0.068	0.008
58	4.83	0.27	0.086	(0.536)	0.078	0.009
59	4.92	0.27	0.086	(0.533)	0.078	0.009
60	5.00	0.27	0.086	(0.531)	0.078	0.009
61	5.08	0.20	0.065	(0.529)	0.058	0.006
62	5.17	0.20	0.065	(0.526)	0.058	0.006
63	5.25	0.20	0.065	(0.524)	0.058	0.006
64	5.33	0.23	0.076	(0.522)	0.068	0.008
65	5.42	0.23	0.076	(0.520)	0.068	0.008
66	5.50	0.23	0.076	(0.517)	0.068	0.008
67	5.58	0.27	0.086	(0.515)	0.078	0.009
68	5.67	0.27	0.086	(0.513)	0.078	0.009
69	5.75	0.27	0.086	(0.511)	0.078	0.009
70	5.83	0.27	0.086	(0.508)	0.078	0.009
71	5.92	0.27	0.086	(0.506)	0.078	0.009
72	6.00	0.27	0.086	(0.504)	0.078	0.009
73	6.08	0.30	0.097	(0.502)	0.087	0.010
74	6.17	0.30	0.097	(0.499)	0.087	0.010
75	6.25	0.30	0.097	(0.497)	0.087	0.010
76	6.33	0.30	0.097	(0.495)	0.087	0.010
77	6.42	0.30	0.097	(0.493)	0.087	0.010
78	6.50	0.30	0.097	(0.490)	0.087	0.010
79	6.58	0.33	0.108	(0.488)	0.097	0.011
80	6.67	0.33	0.108	(0.486)	0.097	0.011
81	6.75	0.33	0.108	(0.484)	0.097	0.011
82	6.83	0.33	0.108	(0.482)	0.097	0.011
83	6.92	0.33	0.108	(0.479)	0.097	0.011
84	7.00	0.33	0.108	(0.477)	0.097	0.011
85	7.08	0.33	0.108	(0.475)	0.097	0.011
86	7.17	0.33	0.108	(0.473)	0.097	0.011
87	7.25	0.33	0.108	(0.471)	0.097	0.011
88	7.33	0.37	0.119	(0.469)	0.107	0.012
89	7.42	0.37	0.119	(0.467)	0.107	0.012
90	7.50	0.37	0.119	(0.464)	0.107	0.012
91	7.58	0.40	0.130	(0.462)	0.117	0.013
92	7.67	0.40	0.130	(0.460)	0.117	0.013
93	7.75	0.40	0.130	(0.458)	0.117	0.013
94	7.83	0.43	0.140	(0.456)	0.126	0.014
95	7.92	0.43	0.140	(0.454)	0.126	0.014
96	8.00	0.43	0.140	(0.452)	0.126	0.014
97	8.08	0.50	0.162	(0.450)	0.146	0.016
98	8.17	0.50	0.162	(0.447)	0.146	0.016
99	8.25	0.50	0.162	(0.445)	0.146	0.016
100	8.33	0.50	0.162	(0.443)	0.146	0.016

101	8.42	0.50	0.162	(0.441)	0.146	0.016
102	8.50	0.50	0.162	(0.439)	0.146	0.016
103	8.58	0.53	0.173	(0.437)	0.156	0.017
104	8.67	0.53	0.173	(0.435)	0.156	0.017
105	8.75	0.53	0.173	(0.433)	0.156	0.017
106	8.83	0.57	0.184	(0.431)	0.165	0.018
107	8.92	0.57	0.184	(0.429)	0.165	0.018
108	9.00	0.57	0.184	(0.427)	0.165	0.018
109	9.08	0.63	0.205	(0.425)	0.185	0.021
110	9.17	0.63	0.205	(0.423)	0.185	0.021
111	9.25	0.63	0.205	(0.421)	0.185	0.021
112	9.33	0.67	0.216	(0.419)	0.194	0.022
113	9.42	0.67	0.216	(0.417)	0.194	0.022
114	9.50	0.67	0.216	(0.415)	0.194	0.022
115	9.58	0.70	0.227	(0.413)	0.204	0.023
116	9.67	0.70	0.227	(0.411)	0.204	0.023
117	9.75	0.70	0.227	(0.409)	0.204	0.023
118	9.83	0.73	0.238	(0.407)	0.214	0.024
119	9.92	0.73	0.238	(0.405)	0.214	0.024
120	10.00	0.73	0.238	(0.403)	0.214	0.024
121	10.08	0.50	0.162	(0.401)	0.146	0.016
122	10.17	0.50	0.162	(0.399)	0.146	0.016
123	10.25	0.50	0.162	(0.397)	0.146	0.016
124	10.33	0.50	0.162	(0.395)	0.146	0.016
125	10.42	0.50	0.162	(0.393)	0.146	0.016
126	10.50	0.50	0.162	(0.391)	0.146	0.016
127	10.58	0.67	0.216	(0.390)	0.194	0.022
128	10.67	0.67	0.216	(0.388)	0.194	0.022
129	10.75	0.67	0.216	(0.386)	0.194	0.022
130	10.83	0.67	0.216	(0.384)	0.194	0.022
131	10.92	0.67	0.216	(0.382)	0.194	0.022
132	11.00	0.67	0.216	(0.380)	0.194	0.022
133	11.08	0.63	0.205	(0.378)	0.185	0.021
134	11.17	0.63	0.205	(0.376)	0.185	0.021
135	11.25	0.63	0.205	(0.374)	0.185	0.021
136	11.33	0.63	0.205	(0.373)	0.185	0.021
137	11.42	0.63	0.205	(0.371)	0.185	0.021
138	11.50	0.63	0.205	(0.369)	0.185	0.021
139	11.58	0.57	0.184	(0.367)	0.165	0.018
140	11.67	0.57	0.184	(0.365)	0.165	0.018
141	11.75	0.57	0.184	(0.363)	0.165	0.018
142	11.83	0.60	0.194	(0.362)	0.175	0.019
143	11.92	0.60	0.194	(0.360)	0.175	0.019
144	12.00	0.60	0.194	(0.358)	0.175	0.019
145	12.08	0.83	0.270	(0.356)	0.243	0.027
146	12.17	0.83	0.270	(0.354)	0.243	0.027
147	12.25	0.83	0.270	(0.353)	0.243	0.027
148	12.33	0.87	0.281	(0.351)	0.253	0.028
149	12.42	0.87	0.281	(0.349)	0.253	0.028
150	12.50	0.87	0.281	(0.347)	0.253	0.028
151	12.58	0.93	0.302	(0.346)	0.272	0.030
152	12.67	0.93	0.302	(0.344)	0.272	0.030
153	12.75	0.93	0.302	(0.342)	0.272	0.030
154	12.83	0.97	0.313	(0.340)	0.282	0.031
155	12.92	0.97	0.313	(0.339)	0.282	0.031
156	13.00	0.97	0.313	(0.337)	0.282	0.031
157	13.08	1.13	0.367	(0.335)	0.330	0.037
158	13.17	1.13	0.367	(0.334)	0.330	0.037
159	13.25	1.13	0.367	(0.332)	0.330	0.037
160	13.33	1.13	0.367	0.330	(0.330)	0.037
161	13.42	1.13	0.367	0.329	(0.330)	0.039
162	13.50	1.13	0.367	0.327	(0.330)	0.040
163	13.58	0.77	0.248	(0.325)	0.224	0.025
164	13.67	0.77	0.248	(0.324)	0.224	0.025
165	13.75	0.77	0.248	(0.322)	0.224	0.025
166	13.83	0.77	0.248	(0.320)	0.224	0.025
167	13.92	0.77	0.248	(0.319)	0.224	0.025

168	14.00	0.77	0.248	(0.317)	0.224	0.025
169	14.08	0.90	0.292	(0.315)	0.262	0.029
170	14.17	0.90	0.292	(0.314)	0.262	0.029
171	14.25	0.90	0.292	(0.312)	0.262	0.029
172	14.33	0.87	0.281	(0.311)	0.253	0.028
173	14.42	0.87	0.281	(0.309)	0.253	0.028
174	14.50	0.87	0.281	(0.307)	0.253	0.028
175	14.58	0.87	0.281	(0.306)	0.253	0.028
176	14.67	0.87	0.281	(0.304)	0.253	0.028
177	14.75	0.87	0.281	(0.303)	0.253	0.028
178	14.83	0.83	0.270	(0.301)	0.243	0.027
179	14.92	0.83	0.270	(0.300)	0.243	0.027
180	15.00	0.83	0.270	(0.298)	0.243	0.027
181	15.08	0.80	0.259	(0.297)	0.233	0.026
182	15.17	0.80	0.259	(0.295)	0.233	0.026
183	15.25	0.80	0.259	(0.294)	0.233	0.026
184	15.33	0.77	0.248	(0.292)	0.224	0.025
185	15.42	0.77	0.248	(0.291)	0.224	0.025
186	15.50	0.77	0.248	(0.289)	0.224	0.025
187	15.58	0.63	0.205	(0.288)	0.185	0.021
188	15.67	0.63	0.205	(0.286)	0.185	0.021
189	15.75	0.63	0.205	(0.285)	0.185	0.021
190	15.83	0.63	0.205	(0.283)	0.185	0.021
191	15.92	0.63	0.205	(0.282)	0.185	0.021
192	16.00	0.63	0.205	(0.280)	0.185	0.021
193	16.08	0.13	0.043	(0.279)	0.039	0.004
194	16.17	0.13	0.043	(0.277)	0.039	0.004
195	16.25	0.13	0.043	(0.276)	0.039	0.004
196	16.33	0.13	0.043	(0.275)	0.039	0.004
197	16.42	0.13	0.043	(0.273)	0.039	0.004
198	16.50	0.13	0.043	(0.272)	0.039	0.004
199	16.58	0.10	0.032	(0.270)	0.029	0.003
200	16.67	0.10	0.032	(0.269)	0.029	0.003
201	16.75	0.10	0.032	(0.268)	0.029	0.003
202	16.83	0.10	0.032	(0.266)	0.029	0.003
203	16.92	0.10	0.032	(0.265)	0.029	0.003
204	17.00	0.10	0.032	(0.264)	0.029	0.003
205	17.08	0.17	0.054	(0.262)	0.049	0.005
206	17.17	0.17	0.054	(0.261)	0.049	0.005
207	17.25	0.17	0.054	(0.260)	0.049	0.005
208	17.33	0.17	0.054	(0.258)	0.049	0.005
209	17.42	0.17	0.054	(0.257)	0.049	0.005
210	17.50	0.17	0.054	(0.256)	0.049	0.005
211	17.58	0.17	0.054	(0.254)	0.049	0.005
212	17.67	0.17	0.054	(0.253)	0.049	0.005
213	17.75	0.17	0.054	(0.252)	0.049	0.005
214	17.83	0.13	0.043	(0.251)	0.039	0.004
215	17.92	0.13	0.043	(0.249)	0.039	0.004
216	18.00	0.13	0.043	(0.248)	0.039	0.004
217	18.08	0.13	0.043	(0.247)	0.039	0.004
218	18.17	0.13	0.043	(0.246)	0.039	0.004
219	18.25	0.13	0.043	(0.245)	0.039	0.004
220	18.33	0.13	0.043	(0.243)	0.039	0.004
221	18.42	0.13	0.043	(0.242)	0.039	0.004
222	18.50	0.13	0.043	(0.241)	0.039	0.004
223	18.58	0.10	0.032	(0.240)	0.029	0.003
224	18.67	0.10	0.032	(0.239)	0.029	0.003
225	18.75	0.10	0.032	(0.238)	0.029	0.003
226	18.83	0.07	0.022	(0.236)	0.019	0.002
227	18.92	0.07	0.022	(0.235)	0.019	0.002
228	19.00	0.07	0.022	(0.234)	0.019	0.002
229	19.08	0.10	0.032	(0.233)	0.029	0.003
230	19.17	0.10	0.032	(0.232)	0.029	0.003
231	19.25	0.10	0.032	(0.231)	0.029	0.003
232	19.33	0.13	0.043	(0.230)	0.039	0.004
233	19.42	0.13	0.043	(0.229)	0.039	0.004
234	19.50	0.13	0.043	(0.228)	0.039	0.004

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235  19.58     0.10      0.032       (  0.227)       0.029        0.003
236  19.67     0.10      0.032       (  0.226)       0.029        0.003
237  19.75     0.10      0.032       (  0.225)       0.029        0.003
238  19.83     0.07      0.022       (  0.224)       0.019        0.002
239  19.92     0.07      0.022       (  0.223)       0.019        0.002
240  20.00     0.07      0.022       (  0.222)       0.019        0.002
241  20.08     0.10      0.032       (  0.221)       0.029        0.003
242  20.17     0.10      0.032       (  0.220)       0.029        0.003
243  20.25     0.10      0.032       (  0.219)       0.029        0.003
244  20.33     0.10      0.032       (  0.218)       0.029        0.003
245  20.42     0.10      0.032       (  0.217)       0.029        0.003
246  20.50     0.10      0.032       (  0.216)       0.029        0.003
247  20.58     0.10      0.032       (  0.215)       0.029        0.003
248  20.67     0.10      0.032       (  0.214)       0.029        0.003
249  20.75     0.10      0.032       (  0.213)       0.029        0.003
250  20.83     0.07      0.022       (  0.212)       0.019        0.002
251  20.92     0.07      0.022       (  0.211)       0.019        0.002
252  21.00     0.07      0.022       (  0.211)       0.019        0.002
253  21.08     0.10      0.032       (  0.210)       0.029        0.003
254  21.17     0.10      0.032       (  0.209)       0.029        0.003
255  21.25     0.10      0.032       (  0.208)       0.029        0.003
256  21.33     0.07      0.022       (  0.207)       0.019        0.002
257  21.42     0.07      0.022       (  0.207)       0.019        0.002
258  21.50     0.07      0.022       (  0.206)       0.019        0.002
259  21.58     0.10      0.032       (  0.205)       0.029        0.003
260  21.67     0.10      0.032       (  0.204)       0.029        0.003
261  21.75     0.10      0.032       (  0.204)       0.029        0.003
262  21.83     0.07      0.022       (  0.203)       0.019        0.002
263  21.92     0.07      0.022       (  0.202)       0.019        0.002
264  22.00     0.07      0.022       (  0.202)       0.019        0.002
265  22.08     0.10      0.032       (  0.201)       0.029        0.003
266  22.17     0.10      0.032       (  0.200)       0.029        0.003
267  22.25     0.10      0.032       (  0.200)       0.029        0.003
268  22.33     0.07      0.022       (  0.199)       0.019        0.002
269  22.42     0.07      0.022       (  0.198)       0.019        0.002
270  22.50     0.07      0.022       (  0.198)       0.019        0.002
271  22.58     0.07      0.022       (  0.197)       0.019        0.002
272  22.67     0.07      0.022       (  0.197)       0.019        0.002
273  22.75     0.07      0.022       (  0.196)       0.019        0.002
274  22.83     0.07      0.022       (  0.196)       0.019        0.002
275  22.92     0.07      0.022       (  0.195)       0.019        0.002
276  23.00     0.07      0.022       (  0.195)       0.019        0.002
277  23.08     0.07      0.022       (  0.194)       0.019        0.002
278  23.17     0.07      0.022       (  0.194)       0.019        0.002
279  23.25     0.07      0.022       (  0.193)       0.019        0.002
280  23.33     0.07      0.022       (  0.193)       0.019        0.002
281  23.42     0.07      0.022       (  0.193)       0.019        0.002
282  23.50     0.07      0.022       (  0.192)       0.019        0.002
283  23.58     0.07      0.022       (  0.192)       0.019        0.002
284  23.67     0.07      0.022       (  0.192)       0.019        0.002
285  23.75     0.07      0.022       (  0.191)       0.019        0.002
286  23.83     0.07      0.022       (  0.191)       0.019        0.002
287  23.92     0.07      0.022       (  0.191)       0.019        0.002
288  24.00     0.07      0.022       (  0.191)       0.019        0.002
            (Loss Rate Not Used)
    Sum =     100.0                                  Sum =     3.2
     Flood volume = Effective rainfall      0.27(In)
      times area      20.3(Ac.)/[(In)/(Ft.)] =       0.5(Ac.Ft)
     Total soil loss =      2.43(In)
     Total soil loss =     4.106(Ac.Ft)
     Total rainfall =      2.70(In)
     Flood volume =       19910.6 Cubic Feet
     Total soil loss =      178845.9 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =      0.785(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q				
0+10	0.0003	0.03	Q				
0+15	0.0005	0.04	Q				
0+20	0.0009	0.05	Q				
0+25	0.0013	0.06	Q				
0+30	0.0017	0.06	Q				
0+35	0.0021	0.06	Q				
0+40	0.0026	0.07	Q				
0+45	0.0030	0.07	Q				
0+50	0.0035	0.07	Q				
0+55	0.0041	0.08	Q				
1+ 0	0.0047	0.09	Q				
1+ 5	0.0052	0.08	Q				
1+10	0.0057	0.07	Q				
1+15	0.0062	0.07	Q				
1+20	0.0067	0.07	Q				
1+25	0.0071	0.07	Q				
1+30	0.0076	0.07	Q				
1+35	0.0081	0.07	Q				
1+40	0.0085	0.07	Q				
1+45	0.0090	0.07	Q				
1+50	0.0095	0.07	Q				
1+55	0.0100	0.08	Q				
2+ 0	0.0106	0.09	Q				
2+ 5	0.0112	0.09	Q				
2+10	0.0118	0.09	QV				
2+15	0.0124	0.09	QV				
2+20	0.0130	0.09	QV				
2+25	0.0136	0.09	QV				
2+30	0.0142	0.09	QV				
2+35	0.0149	0.09	QV				
2+40	0.0156	0.10	QV				
2+45	0.0163	0.11	QV				
2+50	0.0171	0.11	QV				
2+55	0.0178	0.11	QV				
3+ 0	0.0186	0.11	QV				
3+ 5	0.0194	0.11	QV				
3+10	0.0201	0.11	QV				
3+15	0.0209	0.11	QV				
3+20	0.0216	0.11	QV				
3+25	0.0224	0.11	QV				
3+30	0.0232	0.11	Q V				
3+35	0.0239	0.11	Q V				
3+40	0.0247	0.11	Q V				
3+45	0.0254	0.11	Q V				
3+50	0.0262	0.12	Q V				
3+55	0.0271	0.13	Q V				
4+ 0	0.0280	0.13	Q V				
4+ 5	0.0289	0.13	Q V				
4+10	0.0298	0.13	Q V				
4+15	0.0307	0.13	Q V				
4+20	0.0317	0.14	Q V				
4+25	0.0327	0.15	Q V				
4+30	0.0337	0.15	Q V				
4+35	0.0348	0.15	Q V				
4+40	0.0358	0.15	Q V				
4+45	0.0369	0.15	Q V				
4+50	0.0380	0.16	Q V				
4+55	0.0392	0.17	Q V				

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 5+ 0       0.0404      0.17  Q  V      |          |          |          |
 5+ 5       0.0415      0.16  Q  V      |          |          |          |
 5+10       0.0425      0.14  Q  V      |          |          |          |
 5+15       0.0434      0.14  Q  V      |          |          |          |
 5+20       0.0444      0.14  Q  V      |          |          |          |
 5+25       0.0454      0.15  Q  V      |          |          |          |
 5+30       0.0465      0.15  Q   V     |          |          |          |
 5+35       0.0476      0.16  Q   V     |          |          |          |
 5+40       0.0488      0.17  Q   V     |          |          |          |
 5+45       0.0499      0.17  Q   V     |          |          |          |
 5+50       0.0512      0.17  Q   V     |          |          |          |
 5+55       0.0524      0.18  Q   V     |          |          |          |
 6+ 0       0.0536      0.18  Q   V     |          |          |          |
 6+ 5       0.0548      0.18  Q   V     |          |          |          |
 6+10       0.0562      0.19  Q   V     |          |          |          |
 6+15       0.0575      0.20  Q    V    |          |          |          |
 6+20       0.0589      0.20  Q    V    |          |          |          |
 6+25       0.0602      0.20  Q    V    |          |          |          |
 6+30       0.0616      0.20  Q    V    |          |          |          |
 6+35       0.0630      0.20  Q    V    |          |          |          |
 6+40       0.0645      0.21  Q    V    |          |          |          |
 6+45       0.0660      0.22  Q    V    |          |          |          |
 6+50       0.0675      0.22  Q    V    |          |          |          |
 6+55       0.0690      0.22  Q     V   |          |          |          |
 7+ 0       0.0705      0.22  Q     V   |          |          |          |
 7+ 5       0.0720      0.22  Q     V   |          |          |          |
 7+10       0.0735      0.22  Q     V   |          |          |          |
 7+15       0.0751      0.22  Q     V   |          |          |          |
 7+20       0.0766      0.23  Q     V   |          |          |          |
 7+25       0.0783      0.24  Q     V   |          |          |          |
 7+30       0.0799      0.24  Q     V   |          |          |          |
 7+35       0.0816      0.25  Q      V  |          |          |          |
 7+40       0.0834      0.26  |Q     V  |          |          |          |
 7+45       0.0852      0.26  |Q     V  |          |          |          |
 7+50       0.0870      0.27  |Q     V  |          |          |          |
 7+55       0.0889      0.28  |Q     V  |          |          |          |
 8+ 0       0.0909      0.28  |Q     V  |          |          |          |
 8+ 5       0.0929      0.30  |Q      V |          |          |          |
 8+10       0.0951      0.32  |Q      V |          |          |          |
 8+15       0.0974      0.32  |Q      V |          |          |          |
 8+20       0.0996      0.33  |Q      V |          |          |          |
 8+25       0.1019      0.33  |Q      V |          |          |          |
 8+30       0.1042      0.33  |Q       V|          |          |          |
 8+35       0.1065      0.34  |Q       V|          |          |          |
 8+40       0.1089      0.35  |Q       V|          |          |          |
 8+45       0.1113      0.35  |Q       V|          |          |          |
 8+50       0.1137      0.36  |Q       V|          |          |          |
 8+55       0.1163      0.37  |Q        V          |          |          |
 9+ 0       0.1188      0.37  |Q        V          |          |          |
 9+ 5       0.1215      0.38  |Q        V          |          |          |
 9+10       0.1243      0.41  |Q        V          |          |          |
 9+15       0.1271      0.41  |Q        |V         |          |          |
 9+20       0.1300      0.42  |Q        |V         |          |          |
 9+25       0.1330      0.43  |Q        |V         |          |          |
 9+30       0.1360      0.44  |Q        |V         |          |          |
 9+35       0.1391      0.44  |Q        | V        |          |          |
 9+40       0.1422      0.46  |Q        | V        |          |          |
 9+45       0.1454      0.46  |Q        | V        |          |          |
 9+50       0.1486      0.47  |Q        |  V       |          |          |
 9+55       0.1519      0.48  |Q        |  V       |          |          |
10+ 0       0.1552      0.48  |Q        |  V       |          |          |
10+ 5       0.1583      0.45  |Q        |  V       |          |          |
10+10       0.1609      0.37  |Q        |   V      |          |          |
10+15       0.1633      0.35  |Q        |   V      |          |          |
10+20       0.1657      0.34  |Q        |   V      |          |          |
10+25       0.1680      0.34  |Q        |   V      |          |          |
10+30       0.1703      0.33  |Q        |   V      |          |          |
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10+35       0.1728      0.36  |Q        |    V    |         |         |
10+40       0.1756      0.41  |Q        |    V    |         |         |
10+45       0.1785      0.43  |Q        |    V    |         |         |
10+50       0.1815      0.43  |Q        |    V    |         |         |
10+55       0.1845      0.44  |Q        |     V   |         |         |
11+ 0       0.1876      0.44  |Q        |     V   |         |         |
11+ 5       0.1906      0.44  |Q        |     V   |         |         |
11+10       0.1935      0.43  |Q        |     V   |         |         |
11+15       0.1964      0.42  |Q        |      V  |         |         |
11+20       0.1993      0.42  |Q        |      V  |         |         |
11+25       0.2022      0.42  |Q        |      V  |         |         |
11+30       0.2051      0.42  |Q        |      V  |         |         |
11+35       0.2079      0.41  |Q        |       V |         |         |
11+40       0.2106      0.39  |Q        |       V |         |         |
11+45       0.2132      0.38  |Q        |       V |         |         |
11+50       0.2159      0.38  |Q        |       V |         |         |
11+55       0.2186      0.39  |Q        |        V|         |         |
12+ 0       0.2213      0.40  |Q        |        V|         |         |
12+ 5       0.2243      0.43  |Q        |        V|         |         |
12+10       0.2278      0.51  | Q       |        V|         |         |
12+15       0.2314      0.53  | Q       |         V         |         |
12+20       0.2352      0.54  | Q       |         V         |         |
12+25       0.2390      0.56  | Q       |         V         |         |
12+30       0.2429      0.57  | Q       |         |V        |         |
12+35       0.2469      0.58  | Q       |         |V        |         |
12+40       0.2511      0.60  | Q       |         |V        |         |
12+45       0.2553      0.61  | Q       |         | V       |         |
12+50       0.2596      0.62  | Q       |         | V       |         |
12+55       0.2639      0.63  | Q       |         |  V      |         |
13+ 0       0.2683      0.64  | Q       |         |  V      |         |
13+ 5       0.2729      0.66  | Q       |         |  V      |         |
13+10       0.2778      0.72  | Q       |         |   V     |         |
13+15       0.2829      0.73  | Q       |         |   V     |         |
13+20       0.2880      0.74  | Q       |         |    V    |         |
13+25       0.2932      0.76  |  Q      |         |    V    |         |
13+30       0.2986      0.78  |  Q      |         |     V   |         |
13+35       0.3037      0.74  | Q       |         |     V   |         |
13+40       0.3078      0.59  | Q       |         |     V   |         |
13+45       0.3115      0.55  | Q       |         |      V  |         |
13+50       0.3152      0.53  | Q       |         |      V  |         |
13+55       0.3188      0.52  | Q       |         |      V  |         |
14+ 0       0.3223      0.51  | Q       |         |       V |         |
14+ 5       0.3260      0.53  | Q       |         |       V |         |
14+10       0.3299      0.57  | Q       |         |       V |         |
14+15       0.3339      0.58  | Q       |         |        V|         |
14+20       0.3380      0.58  | Q       |         |        V|         |
14+25       0.3419      0.58  | Q       |         |        V|         |
14+30       0.3459      0.58  | Q       |         |         V         |
14+35       0.3499      0.58  | Q       |         |         V         |
14+40       0.3538      0.58  | Q       |         |         V         |
14+45       0.3578      0.57  | Q       |         |         |V        |
14+50       0.3617      0.57  | Q       |         |         |V        |
14+55       0.3655      0.56  | Q       |         |         |V        |
15+ 0       0.3694      0.56  | Q       |         |         | V       |
15+ 5       0.3731      0.55  | Q       |         |         | V       |
15+10       0.3768      0.54  | Q       |         |         | V       |
15+15       0.3805      0.53  | Q       |         |         |  V      |
15+20       0.3841      0.53  | Q       |         |         |  V      |
15+25       0.3877      0.52  | Q       |         |         |  V      |
15+30       0.3912      0.51  | Q       |         |         |   V     |
15+35       0.3946      0.49  |Q        |         |         |   V     |
15+40       0.3977      0.45  |Q        |         |         |   V     |
15+45       0.4006      0.43  |Q        |         |         |    V    |
15+50       0.4036      0.43  |Q        |         |         |    V    |
15+55       0.4065      0.42  |Q        |         |         |    V    |
16+ 0       0.4094      0.42  |Q        |         |         |    V    |
16+ 5       0.4118      0.34  |Q        |         |         |     V   |
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16+10       0.4130      0.18  Q          |          |          |     V    |
16+15       0.4140      0.14  Q          |          |          |     V    |
16+20       0.4147      0.11  Q          |          |          |     V    |
16+25       0.4154      0.10  Q          |          |          |     V    |
16+30       0.4161      0.10  Q          |          |          |     V    |
16+35       0.4167      0.09  Q          |          |          |     V    |
16+40       0.4172      0.07  Q          |          |          |     V    |
16+45       0.4177      0.07  Q          |          |          |     V    |
16+50       0.4181      0.07  Q          |          |          |     V    |
16+55       0.4186      0.07  Q          |          |          |     V    |
17+ 0       0.4191      0.07  Q          |          |          |     V    |
17+ 5       0.4196      0.08  Q          |          |          |     V    |
17+10       0.4203      0.10  Q          |          |          |     V    |
17+15       0.4210      0.10  Q          |          |          |     V    |
17+20       0.4217      0.11  Q          |          |          |     V    |
17+25       0.4225      0.11  Q          |          |          |     V    |
17+30       0.4232      0.11  Q          |          |          |      V   |
17+35       0.4240      0.11  Q          |          |          |      V   |
17+40       0.4247      0.11  Q          |          |          |      V   |
17+45       0.4255      0.11  Q          |          |          |      V   |
17+50       0.4262      0.11  Q          |          |          |      V   |
17+55       0.4269      0.09  Q          |          |          |      V   |
18+ 0       0.4275      0.09  Q          |          |          |      V   |
18+ 5       0.4281      0.09  Q          |          |          |      V   |
18+10       0.4287      0.09  Q          |          |          |      V   |
18+15       0.4293      0.09  Q          |          |          |      V   |
18+20       0.4300      0.09  Q          |          |          |      V   |
18+25       0.4306      0.09  Q          |          |          |      V   |
18+30       0.4312      0.09  Q          |          |          |      V   |
18+35       0.4317      0.08  Q          |          |          |      V   |
18+40       0.4322      0.07  Q          |          |          |      V   |
18+45       0.4327      0.07  Q          |          |          |      V   |
18+50       0.4332      0.06  Q          |          |          |      V   |
18+55       0.4335      0.05  Q          |          |          |      V   |
19+ 0       0.4338      0.05  Q          |          |          |      V   |
19+ 5       0.4342      0.05  Q          |          |          |      V   |
19+10       0.4346      0.06  Q          |          |          |       V  |
19+15       0.4350      0.06  Q          |          |          |       V  |
19+20       0.4355      0.07  Q          |          |          |       V  |
19+25       0.4361      0.08  Q          |          |          |       V  |
19+30       0.4367      0.08  Q          |          |          |       V  |
19+35       0.4372      0.08  Q          |          |          |       V  |
19+40       0.4377      0.07  Q          |          |          |       V  |
19+45       0.4382      0.07  Q          |          |          |       V  |
19+50       0.4386      0.06  Q          |          |          |       V  |
19+55       0.4390      0.05  Q          |          |          |       V  |
20+ 0       0.4393      0.05  Q          |          |          |       V  |
20+ 5       0.4397      0.05  Q          |          |          |       V  |
20+10       0.4401      0.06  Q          |          |          |       V  |
20+15       0.4405      0.06  Q          |          |          |       V  |
20+20       0.4410      0.06  Q          |          |          |       V  |
20+25       0.4414      0.07  Q          |          |          |       V  |
20+30       0.4419      0.07  Q          |          |          |       V  |
20+35       0.4423      0.07  Q          |          |          |       V  |
20+40       0.4428      0.07  Q          |          |          |       V  |
20+45       0.4432      0.07  Q          |          |          |       V  |
20+50       0.4437      0.06  Q          |          |          |       V  |
20+55       0.4440      0.05  Q          |          |          |       V  |
21+ 0       0.4443      0.05  Q          |          |          |       V  |
21+ 5       0.4447      0.05  Q          |          |          |       V  |
21+10       0.4451      0.06  Q          |          |          |       V  |
21+15       0.4455      0.06  Q          |          |          |       V  |
21+20       0.4460      0.06  Q          |          |          |        V |
21+25       0.4463      0.05  Q          |          |          |        V |
21+30       0.4466      0.05  Q          |          |          |        V |
21+35       0.4470      0.05  Q          |          |          |        V |
21+40       0.4474      0.06  Q          |          |          |        V |
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21+45	0.4478	0.06	Q	|	|	|	V|
21+50	0.4482	0.06	Q	|	|	|	V|
21+55	0.4486	0.05	Q	|	|	|	V|
22+ 0	0.4489	0.05	Q	|	|	|	V|
22+ 5	0.4492	0.05	Q	|	|	|	V|
22+10	0.4497	0.06	Q	|	|	|	V|
22+15	0.4501	0.06	Q	|	|	|	V|
22+20	0.4505	0.06	Q	|	|	|	V|
22+25	0.4509	0.05	Q	|	|	|	V|
22+30	0.4512	0.05	Q	|	|	|	V|
22+35	0.4515	0.05	Q	|	|	|	V|
22+40	0.4518	0.05	Q	|	|	|	V|
22+45	0.4521	0.04	Q	|	|	|	V|
22+50	0.4524	0.04	Q	|	|	|	V|
22+55	0.4527	0.04	Q	|	|	|	V|
23+ 0	0.4530	0.04	Q	|	|	|	V|
23+ 5	0.4533	0.04	Q	|	|	|	V|
23+10	0.4536	0.04	Q	|	|	|	V|
23+15	0.4539	0.04	Q	|	|	|	V|
23+20	0.4542	0.04	Q	|	|	|	V|
23+25	0.4545	0.04	Q	|	|	|	V|
23+30	0.4548	0.04	Q	|	|	|	V|
23+35	0.4552	0.04	Q	|	|	|	V|
23+40	0.4555	0.04	Q	|	|	|	V|
23+45	0.4558	0.04	Q	|	|	|	V|
23+50	0.4561	0.04	Q	|	|	|	V|
23+55	0.4564	0.04	Q	|	|	|	V|
24+ 0	0.4567	0.04	Q	|	|	|	V|
24+ 5	0.4569	0.03	Q	|	|	|	V|
24+10	0.4570	0.01	Q	|	|	|	V|
24+15	0.4570	0.01	Q	|	|	|	V|
24+20	0.4571	0.00	Q	|	|	|	V|
24+25	0.4571	0.00	Q	|	|	|	V|
24+30	0.4571	0.00	Q	|	|	|	V|
24+35	0.4571	0.00	Q	|	|	|	V

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRI242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN I- PROPOSED UNIT HYDROGRAPH
2YR-24HR STORM

Drainage Area = 20.28(Ac.) = 0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 20.28(Ac.) = 0.032 Sq. Mi.
Length along longest watercourse = 1206.00(Ft.)
Length along longest watercourse measured to centroid = 833.00(Ft.)
Length along longest watercourse = 0.228 Mi.
Length along longest watercourse measured to centroid = 0.158 Mi.
Difference in elevation = 146.00(Ft.)
Slope along watercourse = 639.2040 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.79 Min.
25% of lag time = 0.45 Min.
40% of lag time = 0.72 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	2.70	54.76

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	7.00	141.96

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
20.280	65.10	0.754

Total Area Entered = 20.28(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      65.1  45.1      0.620     0.754        0.199       1.000      0.199
                                                        Sum (F) =   0.199
      Area averaged mean soil loss (F) (In/Hr) =  0.199
      Minimum soil loss rate ((In/Hr)) =  0.100
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.297
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        279.275         54.448             11.128
          2   0.167        558.551         38.300              7.828
          3   0.250        837.826          7.252              1.482
                                    Sum = 100.000   Sum=      20.438
-------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.353)	0.006	0.015
2	0.17	0.07	0.022	(0.352)	0.006	0.015
3	0.25	0.07	0.022	(0.350)	0.006	0.015
4	0.33	0.10	0.032	(0.349)	0.010	0.023
5	0.42	0.10	0.032	(0.348)	0.010	0.023
6	0.50	0.10	0.032	(0.346)	0.010	0.023
7	0.58	0.10	0.032	(0.345)	0.010	0.023
8	0.67	0.10	0.032	(0.344)	0.010	0.023
9	0.75	0.10	0.032	(0.342)	0.010	0.023
10	0.83	0.13	0.043	(0.341)	0.013	0.030
11	0.92	0.13	0.043	(0.340)	0.013	0.030
12	1.00	0.13	0.043	(0.338)	0.013	0.030
13	1.08	0.10	0.032	(0.337)	0.010	0.023
14	1.17	0.10	0.032	(0.336)	0.010	0.023
15	1.25	0.10	0.032	(0.334)	0.010	0.023
16	1.33	0.10	0.032	(0.333)	0.010	0.023
17	1.42	0.10	0.032	(0.332)	0.010	0.023
18	1.50	0.10	0.032	(0.330)	0.010	0.023
19	1.58	0.10	0.032	(0.329)	0.010	0.023
20	1.67	0.10	0.032	(0.328)	0.010	0.023
21	1.75	0.10	0.032	(0.326)	0.010	0.023
22	1.83	0.13	0.043	(0.325)	0.013	0.030
23	1.92	0.13	0.043	(0.324)	0.013	0.030
24	2.00	0.13	0.043	(0.322)	0.013	0.030
25	2.08	0.13	0.043	(0.321)	0.013	0.030
26	2.17	0.13	0.043	(0.320)	0.013	0.030
27	2.25	0.13	0.043	(0.319)	0.013	0.030
28	2.33	0.13	0.043	(0.317)	0.013	0.030
29	2.42	0.13	0.043	(0.316)	0.013	0.030
30	2.50	0.13	0.043	(0.315)	0.013	0.030
31	2.58	0.17	0.054	(0.313)	0.016	0.038
32	2.67	0.17	0.054	(0.312)	0.016	0.038
33	2.75	0.17	0.054	(0.311)	0.016	0.038
34	2.83	0.17	0.054	(0.309)	0.016	0.038
35	2.92	0.17	0.054	(0.308)	0.016	0.038
36	3.00	0.17	0.054	(0.307)	0.016	0.038
37	3.08	0.17	0.054	(0.306)	0.016	0.038
38	3.17	0.17	0.054	(0.304)	0.016	0.038
39	3.25	0.17	0.054	(0.303)	0.016	0.038

40	3.33	0.17	0.054	(0.302)	0.016	0.038
41	3.42	0.17	0.054	(0.301)	0.016	0.038
42	3.50	0.17	0.054	(0.299)	0.016	0.038
43	3.58	0.17	0.054	(0.298)	0.016	0.038
44	3.67	0.17	0.054	(0.297)	0.016	0.038
45	3.75	0.17	0.054	(0.296)	0.016	0.038
46	3.83	0.20	0.065	(0.294)	0.019	0.046
47	3.92	0.20	0.065	(0.293)	0.019	0.046
48	4.00	0.20	0.065	(0.292)	0.019	0.046
49	4.08	0.20	0.065	(0.291)	0.019	0.046
50	4.17	0.20	0.065	(0.289)	0.019	0.046
51	4.25	0.20	0.065	(0.288)	0.019	0.046
52	4.33	0.23	0.076	(0.287)	0.022	0.053
53	4.42	0.23	0.076	(0.286)	0.022	0.053
54	4.50	0.23	0.076	(0.284)	0.022	0.053
55	4.58	0.23	0.076	(0.283)	0.022	0.053
56	4.67	0.23	0.076	(0.282)	0.022	0.053
57	4.75	0.23	0.076	(0.281)	0.022	0.053
58	4.83	0.27	0.086	(0.280)	0.026	0.061
59	4.92	0.27	0.086	(0.278)	0.026	0.061
60	5.00	0.27	0.086	(0.277)	0.026	0.061
61	5.08	0.20	0.065	(0.276)	0.019	0.046
62	5.17	0.20	0.065	(0.275)	0.019	0.046
63	5.25	0.20	0.065	(0.274)	0.019	0.046
64	5.33	0.23	0.076	(0.272)	0.022	0.053
65	5.42	0.23	0.076	(0.271)	0.022	0.053
66	5.50	0.23	0.076	(0.270)	0.022	0.053
67	5.58	0.27	0.086	(0.269)	0.026	0.061
68	5.67	0.27	0.086	(0.268)	0.026	0.061
69	5.75	0.27	0.086	(0.266)	0.026	0.061
70	5.83	0.27	0.086	(0.265)	0.026	0.061
71	5.92	0.27	0.086	(0.264)	0.026	0.061
72	6.00	0.27	0.086	(0.263)	0.026	0.061
73	6.08	0.30	0.097	(0.262)	0.029	0.068
74	6.17	0.30	0.097	(0.261)	0.029	0.068
75	6.25	0.30	0.097	(0.259)	0.029	0.068
76	6.33	0.30	0.097	(0.258)	0.029	0.068
77	6.42	0.30	0.097	(0.257)	0.029	0.068
78	6.50	0.30	0.097	(0.256)	0.029	0.068
79	6.58	0.33	0.108	(0.255)	0.032	0.076
80	6.67	0.33	0.108	(0.254)	0.032	0.076
81	6.75	0.33	0.108	(0.253)	0.032	0.076
82	6.83	0.33	0.108	(0.251)	0.032	0.076
83	6.92	0.33	0.108	(0.250)	0.032	0.076
84	7.00	0.33	0.108	(0.249)	0.032	0.076
85	7.08	0.33	0.108	(0.248)	0.032	0.076
86	7.17	0.33	0.108	(0.247)	0.032	0.076
87	7.25	0.33	0.108	(0.246)	0.032	0.076
88	7.33	0.37	0.119	(0.245)	0.035	0.084
89	7.42	0.37	0.119	(0.244)	0.035	0.084
90	7.50	0.37	0.119	(0.242)	0.035	0.084
91	7.58	0.40	0.130	(0.241)	0.038	0.091
92	7.67	0.40	0.130	(0.240)	0.038	0.091
93	7.75	0.40	0.130	(0.239)	0.038	0.091
94	7.83	0.43	0.140	(0.238)	0.042	0.099
95	7.92	0.43	0.140	(0.237)	0.042	0.099
96	8.00	0.43	0.140	(0.236)	0.042	0.099
97	8.08	0.50	0.162	(0.235)	0.048	0.114
98	8.17	0.50	0.162	(0.234)	0.048	0.114
99	8.25	0.50	0.162	(0.232)	0.048	0.114
100	8.33	0.50	0.162	(0.231)	0.048	0.114
101	8.42	0.50	0.162	(0.230)	0.048	0.114
102	8.50	0.50	0.162	(0.229)	0.048	0.114
103	8.58	0.53	0.173	(0.228)	0.051	0.122
104	8.67	0.53	0.173	(0.227)	0.051	0.122
105	8.75	0.53	0.173	(0.226)	0.051	0.122
106	8.83	0.57	0.184	(0.225)	0.054	0.129

107	8.92	0.57	0.184	(0.224)	0.054	0.129
108	9.00	0.57	0.184	(0.223)	0.054	0.129
109	9.08	0.63	0.205	(0.222)	0.061	0.144
110	9.17	0.63	0.205	(0.221)	0.061	0.144
111	9.25	0.63	0.205	(0.220)	0.061	0.144
112	9.33	0.67	0.216	(0.219)	0.064	0.152
113	9.42	0.67	0.216	(0.218)	0.064	0.152
114	9.50	0.67	0.216	(0.217)	0.064	0.152
115	9.58	0.70	0.227	(0.216)	0.067	0.159
116	9.67	0.70	0.227	(0.214)	0.067	0.159
117	9.75	0.70	0.227	(0.213)	0.067	0.159
118	9.83	0.73	0.238	(0.212)	0.071	0.167
119	9.92	0.73	0.238	(0.211)	0.071	0.167
120	10.00	0.73	0.238	(0.210)	0.071	0.167
121	10.08	0.50	0.162	(0.209)	0.048	0.114
122	10.17	0.50	0.162	(0.208)	0.048	0.114
123	10.25	0.50	0.162	(0.207)	0.048	0.114
124	10.33	0.50	0.162	(0.206)	0.048	0.114
125	10.42	0.50	0.162	(0.205)	0.048	0.114
126	10.50	0.50	0.162	(0.204)	0.048	0.114
127	10.58	0.67	0.216	(0.203)	0.064	0.152
128	10.67	0.67	0.216	(0.202)	0.064	0.152
129	10.75	0.67	0.216	(0.201)	0.064	0.152
130	10.83	0.67	0.216	(0.200)	0.064	0.152
131	10.92	0.67	0.216	(0.199)	0.064	0.152
132	11.00	0.67	0.216	(0.198)	0.064	0.152
133	11.08	0.63	0.205	(0.197)	0.061	0.144
134	11.17	0.63	0.205	(0.196)	0.061	0.144
135	11.25	0.63	0.205	(0.195)	0.061	0.144
136	11.33	0.63	0.205	(0.194)	0.061	0.144
137	11.42	0.63	0.205	(0.194)	0.061	0.144
138	11.50	0.63	0.205	(0.193)	0.061	0.144
139	11.58	0.57	0.184	(0.192)	0.054	0.129
140	11.67	0.57	0.184	(0.191)	0.054	0.129
141	11.75	0.57	0.184	(0.190)	0.054	0.129
142	11.83	0.60	0.194	(0.189)	0.058	0.137
143	11.92	0.60	0.194	(0.188)	0.058	0.137
144	12.00	0.60	0.194	(0.187)	0.058	0.137
145	12.08	0.83	0.270	(0.186)	0.080	0.190
146	12.17	0.83	0.270	(0.185)	0.080	0.190
147	12.25	0.83	0.270	(0.184)	0.080	0.190
148	12.33	0.87	0.281	(0.183)	0.083	0.197
149	12.42	0.87	0.281	(0.182)	0.083	0.197
150	12.50	0.87	0.281	(0.181)	0.083	0.197
151	12.58	0.93	0.302	(0.180)	0.090	0.213
152	12.67	0.93	0.302	(0.180)	0.090	0.213
153	12.75	0.93	0.302	(0.179)	0.090	0.213
154	12.83	0.97	0.313	(0.178)	0.093	0.220
155	12.92	0.97	0.313	(0.177)	0.093	0.220
156	13.00	0.97	0.313	(0.176)	0.093	0.220
157	13.08	1.13	0.367	(0.175)	0.109	0.258
158	13.17	1.13	0.367	(0.174)	0.109	0.258
159	13.25	1.13	0.367	(0.173)	0.109	0.258
160	13.33	1.13	0.367	(0.172)	0.109	0.258
161	13.42	1.13	0.367	(0.172)	0.109	0.258
162	13.50	1.13	0.367	(0.171)	0.109	0.258
163	13.58	0.77	0.248	(0.170)	0.074	0.175
164	13.67	0.77	0.248	(0.169)	0.074	0.175
165	13.75	0.77	0.248	(0.168)	0.074	0.175
166	13.83	0.77	0.248	(0.167)	0.074	0.175
167	13.92	0.77	0.248	(0.166)	0.074	0.175
168	14.00	0.77	0.248	(0.165)	0.074	0.175
169	14.08	0.90	0.292	(0.165)	0.087	0.205
170	14.17	0.90	0.292	(0.164)	0.087	0.205
171	14.25	0.90	0.292	(0.163)	0.087	0.205
172	14.33	0.87	0.281	(0.162)	0.083	0.197
173	14.42	0.87	0.281	(0.161)	0.083	0.197

174	14.50	0.87	0.281	(0.160)	0.083	0.197
175	14.58	0.87	0.281	(0.160)	0.083	0.197
176	14.67	0.87	0.281	(0.159)	0.083	0.197
177	14.75	0.87	0.281	(0.158)	0.083	0.197
178	14.83	0.83	0.270	(0.157)	0.080	0.190
179	14.92	0.83	0.270	(0.156)	0.080	0.190
180	15.00	0.83	0.270	(0.156)	0.080	0.190
181	15.08	0.80	0.259	(0.155)	0.077	0.182
182	15.17	0.80	0.259	(0.154)	0.077	0.182
183	15.25	0.80	0.259	(0.153)	0.077	0.182
184	15.33	0.77	0.248	(0.152)	0.074	0.175
185	15.42	0.77	0.248	(0.152)	0.074	0.175
186	15.50	0.77	0.248	(0.151)	0.074	0.175
187	15.58	0.63	0.205	(0.150)	0.061	0.144
188	15.67	0.63	0.205	(0.149)	0.061	0.144
189	15.75	0.63	0.205	(0.149)	0.061	0.144
190	15.83	0.63	0.205	(0.148)	0.061	0.144
191	15.92	0.63	0.205	(0.147)	0.061	0.144
192	16.00	0.63	0.205	(0.146)	0.061	0.144
193	16.08	0.13	0.043	(0.146)	0.013	0.030
194	16.17	0.13	0.043	(0.145)	0.013	0.030
195	16.25	0.13	0.043	(0.144)	0.013	0.030
196	16.33	0.13	0.043	(0.143)	0.013	0.030
197	16.42	0.13	0.043	(0.143)	0.013	0.030
198	16.50	0.13	0.043	(0.142)	0.013	0.030
199	16.58	0.10	0.032	(0.141)	0.010	0.023
200	16.67	0.10	0.032	(0.140)	0.010	0.023
201	16.75	0.10	0.032	(0.140)	0.010	0.023
202	16.83	0.10	0.032	(0.139)	0.010	0.023
203	16.92	0.10	0.032	(0.138)	0.010	0.023
204	17.00	0.10	0.032	(0.138)	0.010	0.023
205	17.08	0.17	0.054	(0.137)	0.016	0.038
206	17.17	0.17	0.054	(0.136)	0.016	0.038
207	17.25	0.17	0.054	(0.136)	0.016	0.038
208	17.33	0.17	0.054	(0.135)	0.016	0.038
209	17.42	0.17	0.054	(0.134)	0.016	0.038
210	17.50	0.17	0.054	(0.134)	0.016	0.038
211	17.58	0.17	0.054	(0.133)	0.016	0.038
212	17.67	0.17	0.054	(0.132)	0.016	0.038
213	17.75	0.17	0.054	(0.132)	0.016	0.038
214	17.83	0.13	0.043	(0.131)	0.013	0.030
215	17.92	0.13	0.043	(0.130)	0.013	0.030
216	18.00	0.13	0.043	(0.130)	0.013	0.030
217	18.08	0.13	0.043	(0.129)	0.013	0.030
218	18.17	0.13	0.043	(0.128)	0.013	0.030
219	18.25	0.13	0.043	(0.128)	0.013	0.030
220	18.33	0.13	0.043	(0.127)	0.013	0.030
221	18.42	0.13	0.043	(0.126)	0.013	0.030
222	18.50	0.13	0.043	(0.126)	0.013	0.030
223	18.58	0.10	0.032	(0.125)	0.010	0.023
224	18.67	0.10	0.032	(0.125)	0.010	0.023
225	18.75	0.10	0.032	(0.124)	0.010	0.023
226	18.83	0.07	0.022	(0.123)	0.006	0.015
227	18.92	0.07	0.022	(0.123)	0.006	0.015
228	19.00	0.07	0.022	(0.122)	0.006	0.015
229	19.08	0.10	0.032	(0.122)	0.010	0.023
230	19.17	0.10	0.032	(0.121)	0.010	0.023
231	19.25	0.10	0.032	(0.121)	0.010	0.023
232	19.33	0.13	0.043	(0.120)	0.013	0.030
233	19.42	0.13	0.043	(0.119)	0.013	0.030
234	19.50	0.13	0.043	(0.119)	0.013	0.030
235	19.58	0.10	0.032	(0.118)	0.010	0.023
236	19.67	0.10	0.032	(0.118)	0.010	0.023
237	19.75	0.10	0.032	(0.117)	0.010	0.023
238	19.83	0.07	0.022	(0.117)	0.006	0.015
239	19.92	0.07	0.022	(0.116)	0.006	0.015
240	20.00	0.07	0.022	(0.116)	0.006	0.015

241	20.08	0.10	0.032	(0.115)	0.010	0.023
242	20.17	0.10	0.032	(0.115)	0.010	0.023
243	20.25	0.10	0.032	(0.114)	0.010	0.023
244	20.33	0.10	0.032	(0.114)	0.010	0.023
245	20.42	0.10	0.032	(0.113)	0.010	0.023
246	20.50	0.10	0.032	(0.113)	0.010	0.023
247	20.58	0.10	0.032	(0.112)	0.010	0.023
248	20.67	0.10	0.032	(0.112)	0.010	0.023
249	20.75	0.10	0.032	(0.111)	0.010	0.023
250	20.83	0.07	0.022	(0.111)	0.006	0.015
251	20.92	0.07	0.022	(0.110)	0.006	0.015
252	21.00	0.07	0.022	(0.110)	0.006	0.015
253	21.08	0.10	0.032	(0.110)	0.010	0.023
254	21.17	0.10	0.032	(0.109)	0.010	0.023
255	21.25	0.10	0.032	(0.109)	0.010	0.023
256	21.33	0.07	0.022	(0.108)	0.006	0.015
257	21.42	0.07	0.022	(0.108)	0.006	0.015
258	21.50	0.07	0.022	(0.107)	0.006	0.015
259	21.58	0.10	0.032	(0.107)	0.010	0.023
260	21.67	0.10	0.032	(0.107)	0.010	0.023
261	21.75	0.10	0.032	(0.106)	0.010	0.023
262	21.83	0.07	0.022	(0.106)	0.006	0.015
263	21.92	0.07	0.022	(0.106)	0.006	0.015
264	22.00	0.07	0.022	(0.105)	0.006	0.015
265	22.08	0.10	0.032	(0.105)	0.010	0.023
266	22.17	0.10	0.032	(0.104)	0.010	0.023
267	22.25	0.10	0.032	(0.104)	0.010	0.023
268	22.33	0.07	0.022	(0.104)	0.006	0.015
269	22.42	0.07	0.022	(0.104)	0.006	0.015
270	22.50	0.07	0.022	(0.103)	0.006	0.015
271	22.58	0.07	0.022	(0.103)	0.006	0.015
272	22.67	0.07	0.022	(0.103)	0.006	0.015
273	22.75	0.07	0.022	(0.102)	0.006	0.015
274	22.83	0.07	0.022	(0.102)	0.006	0.015
275	22.92	0.07	0.022	(0.102)	0.006	0.015
276	23.00	0.07	0.022	(0.102)	0.006	0.015
277	23.08	0.07	0.022	(0.101)	0.006	0.015
278	23.17	0.07	0.022	(0.101)	0.006	0.015
279	23.25	0.07	0.022	(0.101)	0.006	0.015
280	23.33	0.07	0.022	(0.101)	0.006	0.015
281	23.42	0.07	0.022	(0.100)	0.006	0.015
282	23.50	0.07	0.022	(0.100)	0.006	0.015
283	23.58	0.07	0.022	(0.100)	0.006	0.015
284	23.67	0.07	0.022	(0.100)	0.006	0.015
285	23.75	0.07	0.022	(0.100)	0.006	0.015
286	23.83	0.07	0.022	(0.100)	0.006	0.015
287	23.92	0.07	0.022	(0.100)	0.006	0.015
288	24.00	0.07	0.022	(0.100)	0.006	0.015

(Loss Rate Not Used)

Sum = 100.0 Sum = 22.8

Flood volume = Effective rainfall 1.90(In)
times area 20.3(Ac.)/[(In)/(Ft.)] = 3.2(Ac.Ft)
Total soil loss = 0.80(In)
Total soil loss = 1.354(Ac.Ft)
Total rainfall = 2.70(In)
Flood volume = 139765.5 Cubic Feet
Total soil loss = 58990.9 Cubic Feet

Peak flow rate of this hydrograph = 5.280(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0012	0.17	Q				
0+10	0.0031	0.29	VQ				
0+15	0.0053	0.31	VQ				
0+20	0.0080	0.40	VQ				
0+25	0.0111	0.45	VQ				
0+30	0.0143	0.47	VQ				
0+35	0.0176	0.47	VQ				
0+40	0.0208	0.47	VQ				
0+45	0.0240	0.47	VQ				
0+50	0.0278	0.55	V Q				
0+55	0.0320	0.61	V Q				
1+ 0	0.0362	0.62	V Q				
1+ 5	0.0399	0.54	V Q				
1+10	0.0432	0.48	VQ				
1+15	0.0464	0.47	VQ				
1+20	0.0496	0.47	VQ				
1+25	0.0529	0.47	VQ				
1+30	0.0561	0.47	VQ				
1+35	0.0593	0.47	VQ				
1+40	0.0625	0.47	VQ				
1+45	0.0657	0.47	VQ				
1+50	0.0695	0.55	V Q				
1+55	0.0737	0.61	V Q				
2+ 0	0.0780	0.62	V Q				
2+ 5	0.0822	0.62	|VQ				
2+10	0.0865	0.62	|VQ				
2+15	0.0908	0.62	|VQ				
2+20	0.0951	0.62	|VQ				
2+25	0.0993	0.62	|VQ				
2+30	0.1036	0.62	|VQ				
2+35	0.1085	0.71	|VQ				
2+40	0.1138	0.77	|V Q				
2+45	0.1191	0.78	|V Q				
2+50	0.1244	0.78	|V Q				
2+55	0.1298	0.78	|V Q				
3+ 0	0.1351	0.78	|V Q				
3+ 5	0.1405	0.78	|V Q				
3+10	0.1458	0.78	|V Q				
3+15	0.1512	0.78	|V Q				
3+20	0.1565	0.78	|V Q				
3+25	0.1619	0.78	| VQ				
3+30	0.1672	0.78	| VQ				
3+35	0.1726	0.78	| VQ				
3+40	0.1779	0.78	| VQ				
3+45	0.1833	0.78	| VQ				
3+50	0.1892	0.86	| VQ				
3+55	0.1955	0.92	| VQ				
4+ 0	0.2020	0.93	| VQ				
4+ 5	0.2084	0.93	| VQ				
4+10	0.2148	0.93	| VQ				
4+15	0.2212	0.93	| VQ				
4+20	0.2282	1.02	| V Q				
4+25	0.2356	1.08	| V Q				
4+30	0.2431	1.09	| VQ				
4+35	0.2506	1.09	| VQ				
4+40	0.2581	1.09	| VQ				
4+45	0.2656	1.09	| VQ				
4+50	0.2736	1.17	| VQ				
4+55	0.2821	1.23	| VQ				
5+ 0	0.2907	1.24	| VQ				
5+ 5	0.2981	1.07	| VQ				
5+10	0.3046	0.95	| Q				
5+15	0.3111	0.93	| Q				
5+20	0.3181	1.02	| VQ				
5+25	0.3255	1.08	| Q				

```
 5+30      0.3329     1.09  |   Q     |         |         |         |
 5+35      0.3410     1.17  |   Q     |         |         |         |
 5+40      0.3495     1.23  |   Q     |         |         |         |
 5+45      0.3581     1.24  |   Q     |         |         |         |
 5+50      0.3666     1.24  |   Q     |         |         |         |
 5+55      0.3752     1.24  |   Q     |         |         |         |
 6+ 0      0.3837     1.24  |   Q     |         |         |         |
 6+ 5      0.3929     1.33  |   VQ    |         |         |         |
 6+10      0.4024     1.39  |    Q    |         |         |         |
 6+15      0.4120     1.40  |    Q    |         |         |         |
 6+20      0.4217     1.40  |    Q    |         |         |         |
 6+25      0.4313     1.40  |    Q    |         |         |         |
 6+30      0.4409     1.40  |    Q    |         |         |         |
 6+35      0.4511     1.48  |    Q    |         |         |         |
 6+40      0.4617     1.54  |    VQ   |         |         |         |
 6+45      0.4724     1.55  |    VQ   |         |         |         |
 6+50      0.4831     1.55  |     Q   |         |         |         |
 6+55      0.4938     1.55  |     Q   |         |         |         |
 7+ 0      0.5045     1.55  |     Q   |         |         |         |
 7+ 5      0.5152     1.55  |     Q   |         |         |         |
 7+10      0.5259     1.55  |     Q   |         |         |         |
 7+15      0.5366     1.55  |     Q   |         |         |         |
 7+20      0.5479     1.64  |     Q   |         |         |         |
 7+25      0.5596     1.70  |     Q   |         |         |         |
 7+30      0.5713     1.71  |     QV  |         |         |         |
 7+35      0.5837     1.79  |      Q  |         |         |         |
 7+40      0.5964     1.85  |      Q  |         |         |         |
 7+45      0.6093     1.86  |      Q  |         |         |         |
 7+50      0.6227     1.95  |      Q  |         |         |         |
 7+55      0.6365     2.01  |      VQ |         |         |         |
 8+ 0      0.6504     2.02  |       Q |         |         |         |
 8+ 5      0.6655     2.19  |       Q |         |         |         |
 8+10      0.6814     2.31  |       VQ|         |         |         |
 8+15      0.6974     2.33  |       VQ|         |         |         |
 8+20      0.7135     2.33  |       VQ|         |         |         |
 8+25      0.7295     2.33  |        Q|         |         |         |
 8+30      0.7455     2.33  |        Q|         |         |         |
 8+35      0.7622     2.41  |        Q|         |         |         |
 8+40      0.7792     2.47  |        Q|         |         |         |
 8+45      0.7963     2.48  |        Q|         |         |         |
 8+50      0.8140     2.57  |         Q         |         |         |
 8+55      0.8321     2.63  |         Q         |         |         |
 9+ 0      0.8503     2.64  |         Q         |         |         |
 9+ 5      0.8696     2.81  |         VQ        |         |         |
 9+10      0.8898     2.93  |         |Q        |         |         |
 9+15      0.9101     2.95  |         |Q        |         |         |
 9+20      0.9310     3.04  |         |VQ       |         |         |
 9+25      0.9523     3.09  |         |VQ       |         |         |
 9+30      0.9737     3.11  |         | Q       |         |         |
 9+35      0.9957     3.19  |         | Q       |         |         |
 9+40      1.0181     3.25  |         | Q       |         |         |
 9+45      1.0406     3.26  |         | VQ      |         |         |
 9+50      1.0636     3.35  |         |  Q      |         |         |
 9+55      1.0870     3.41  |         |  Q      |         |         |
10+ 0      1.1106     3.42  |         |  Q      |         |         |
10+ 5      1.1300     2.82  |         |Q  V     |         |         |
10+10      1.1466     2.41  |        Q|   V     |         |         |
10+15      1.1627     2.33  |        Q|   V     |         |         |
10+20      1.1787     2.33  |        Q|   V     |         |         |
10+25      1.1947     2.33  |        Q|   V     |         |         |
10+30      1.2108     2.33  |        Q|    V    |         |         |
10+35      1.2297     2.75  |         |Q   V    |         |         |
10+40      1.2507     3.05  |         | Q  V    |         |         |
10+45      1.2721     3.11  |         | Q  V    |         |         |
10+50      1.2935     3.11  |         | Q   V   |         |         |
10+55      1.3149     3.11  |         | Q   V   |         |         |
11+ 0      1.3363     3.11  |         | Q   V   |         |         |
```

```
11+ 5       1.3571      3.02  |          | Q   V   |          |          |
11+10       1.3775      2.96  |          |Q     V  |          |          |
11+15       1.3978      2.95  |          |Q     V  |          |          |
11+20       1.4182      2.95  |          |Q     V  |          |          |
11+25       1.4385      2.95  |          |Q     V  |          |          |
11+30       1.4588      2.95  |          |Q      V |          |          |
11+35       1.4780      2.78  |          |Q      V |          |          |
11+40       1.4963      2.66  |          Q       V |          |          |
11+45       1.5145      2.64  |          Q       V |          |          |
11+50       1.5332      2.72  |          Q        V|          |          |
11+55       1.5524      2.78  |          |Q       V|          |          |
12+ 0       1.5717      2.80  |          |Q       V|          |          |
12+ 5       1.5950      3.39  |          |  Q     V|          |          |
12+10       1.6212      3.80  |          |    Q    V          |          |
12+15       1.6479      3.88  |          |    Q    V          |          |
12+20       1.6752      3.97  |          |    Q    V          |          |
12+25       1.7030      4.03  |          |     Q   |V          |          |
12+30       1.7308      4.04  |          |     Q   |V          |          |
12+35       1.7598      4.21  |          |     Q   |V          |          |
12+40       1.7895      4.33  |          |      Q  | V         |          |
12+45       1.8195      4.35  |          |      Q  | V         |          |
12+50       1.8500      4.43  |          |      Q  |  V        |          |
12+55       1.8810      4.49  |          |      Q  |  V        |          |
13+ 0       1.9120      4.50  |          |       Q |  V        |          |
13+ 5       1.9459      4.93  |          |        Q|   V       |          |
13+10       1.9819      5.22  |          |         Q   V       |          |
13+15       2.0182      5.28  |          |          |Q   V     |          |
13+20       2.0546      5.28  |          |          |Q   V     |          |
13+25       2.0910      5.28  |          |          |Q    V    |          |
13+30       2.1273      5.28  |          |          |Q    V    |          |
13+35       2.1573      4.35  |          |      Q   |     V    |          |
13+40       2.1827      3.70  |          |   Q      |      V   |          |
13+45       2.2073      3.57  |          |   Q      |      V   |          |
13+50       2.2319      3.57  |          |   Q      |      V   |          |
13+55       2.2565      3.57  |          |   Q      |       V  |          |
14+ 0       2.2811      3.57  |          |   Q      |       V  |          |
14+ 5       2.3081      3.91  |          |    Q     |       V  |          |
14+10       2.3366      4.15  |          |     Q    |        V|          |
14+15       2.3655      4.19  |          |     Q    |        V|          |
14+20       2.3938      4.11  |          |     Q    |        V|          |
14+25       2.4217      4.05  |          |     Q    |         V          |
14+30       2.4495      4.04  |          |     Q    |         V          |
14+35       2.4773      4.04  |          |     Q    |         V          |
14+40       2.5051      4.04  |          |     Q    |         |V         |
14+45       2.5329      4.04  |          |     Q    |         |V         |
14+50       2.5601      3.95  |          |    Q     |         |V         |
14+55       2.5870      3.89  |          |    Q     |         | V        |
15+ 0       2.6137      3.88  |          |    Q     |         | V        |
15+ 5       2.6399      3.80  |          |    Q     |         | V        |
15+10       2.6656      3.74  |          |   Q      |         |  V       |
15+15       2.6913      3.73  |          |   Q      |         |  V       |
15+20       2.7164      3.64  |          |   Q      |         |  V       |
15+25       2.7410      3.58  |          |   Q      |         |   V      |
15+30       2.7656      3.57  |          |   Q      |         |   V      |
15+35       2.7879      3.23  |          | Q        |         |   V      |
15+40       2.8085      3.00  |          |Q         |         |    V     |
15+45       2.8289      2.95  |          |Q         |         |    V     |
15+50       2.8492      2.95  |          |Q         |         |    V     |
15+55       2.8695      2.95  |          |Q         |         |    V     |
16+ 0       2.8898      2.95  |          |Q         |         |     V    |
16+ 5       2.9014      1.68  |     Q    |          |         |     V    |
16+10       2.9068      0.79  |  Q       |          |         |     V    |
16+15       2.9111      0.62  | Q        |          |         |     V    |
16+20       2.9154      0.62  | Q        |          |         |     V    |
16+25       2.9197      0.62  | Q        |          |         |     V    |
16+30       2.9240      0.62  | Q        |          |         |     V    |
16+35       2.9277      0.54  | Q        |          |         |     V    |
```

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16+40       2.9309      0.48  |Q        |         |         |     V   |
16+45       2.9342      0.47  |Q        |         |         |     V   |
16+50       2.9374      0.47  |Q        |         |         |     V   |
16+55       2.9406      0.47  |Q        |         |         |     V   |
17+ 0       2.9438      0.47  |Q        |         |         |     V   |
17+ 5       2.9482      0.63  | Q       |         |         |     V   |
17+10       2.9533      0.75  |  Q      |         |         |     V   |
17+15       2.9587      0.78  |  Q      |         |         |     V   |
17+20       2.9640      0.78  |  Q      |         |         |     V   |
17+25       2.9694      0.78  |  Q      |         |         |      V  |
17+30       2.9747      0.78  |  Q      |         |         |      V  |
17+35       2.9801      0.78  |  Q      |         |         |      V  |
17+40       2.9854      0.78  |  Q      |         |         |      V  |
17+45       2.9908      0.78  |  Q      |         |         |      V  |
17+50       2.9955      0.69  | Q       |         |         |      V  |
17+55       2.9999      0.63  | Q       |         |         |      V  |
18+ 0       3.0042      0.62  | Q       |         |         |      V  |
18+ 5       3.0085      0.62  | Q       |         |         |      V  |
18+10       3.0127      0.62  | Q       |         |         |      V  |
18+15       3.0170      0.62  | Q       |         |         |      V  |
18+20       3.0213      0.62  | Q       |         |         |      V  |
18+25       3.0256      0.62  | Q       |         |         |      V  |
18+30       3.0298      0.62  | Q       |         |         |      V  |
18+35       3.0335      0.54  | Q       |         |         |      V  |
18+40       3.0368      0.48  |Q        |         |         |      V  |
18+45       3.0400      0.47  |Q        |         |         |      V  |
18+50       3.0427      0.38  |Q        |         |         |      V  |
18+55       3.0449      0.32  |Q        |         |         |      V  |
19+ 0       3.0470      0.31  |Q        |         |         |      V  |
19+ 5       3.0497      0.40  |Q        |         |         |       V |
19+10       3.0529      0.45  |Q        |         |         |       V |
19+15       3.0561      0.47  |Q        |         |         |       V |
19+20       3.0599      0.55  | Q       |         |         |       V |
19+25       3.0641      0.61  | Q       |         |         |       V |
19+30       3.0683      0.62  | Q       |         |         |       V |
19+35       3.0720      0.54  | Q       |         |         |       V |
19+40       3.0753      0.48  |Q        |         |         |       V |
19+45       3.0785      0.47  |Q        |         |         |       V |
19+50       3.0812      0.38  |Q        |         |         |       V |
19+55       3.0834      0.32  |Q        |         |         |       V |
20+ 0       3.0855      0.31  |Q        |         |         |       V |
20+ 5       3.0882      0.40  |Q        |         |         |       V |
20+10       3.0914      0.45  |Q        |         |         |       V |
20+15       3.0946      0.47  |Q        |         |         |       V |
20+20       3.0978      0.47  |Q        |         |         |       V |
20+25       3.1010      0.47  |Q        |         |         |       V |
20+30       3.1042      0.47  |Q        |         |         |       V |
20+35       3.1074      0.47  |Q        |         |         |       V |
20+40       3.1106      0.47  |Q        |         |         |       V |
20+45       3.1138      0.47  |Q        |         |         |       V |
20+50       3.1165      0.38  |Q        |         |         |       V |
20+55       3.1187      0.32  |Q        |         |         |       V |
21+ 0       3.1208      0.31  |Q        |         |         |       V |
21+ 5       3.1235      0.40  |Q        |         |         |       V |
21+10       3.1267      0.45  |Q        |         |         |       V |
21+15       3.1299      0.47  |Q        |         |         |        V|
21+20       3.1325      0.38  |Q        |         |         |        V|
21+25       3.1347      0.32  |Q        |         |         |        V|
21+30       3.1369      0.31  |Q        |         |         |        V|
21+35       3.1396      0.40  |Q        |         |         |        V|
21+40       3.1427      0.45  |Q        |         |         |        V|
21+45       3.1459      0.47  |Q        |         |         |        V|
21+50       3.1485      0.38  |Q        |         |         |        V|
21+55       3.1508      0.32  |Q        |         |         |        V|
22+ 0       3.1529      0.31  |Q        |         |         |        V|
22+ 5       3.1556      0.40  |Q        |         |         |        V|
22+10       3.1588      0.45  |Q        |         |         |        V|
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   22+15       3.1620      0.47  |Q        |         |         |        V|
   22+20       3.1646      0.38  |Q        |         |         |        V|
   22+25       3.1668      0.32  |Q        |         |         |        V|
   22+30       3.1689      0.31  |Q        |         |         |        V|
   22+35       3.1711      0.31  |Q        |         |         |        V|
   22+40       3.1732      0.31  |Q        |         |         |        V|
   22+45       3.1754      0.31  |Q        |         |         |        V|
   22+50       3.1775      0.31  |Q        |         |         |        V|
   22+55       3.1796      0.31  |Q        |         |         |        V|
   23+ 0       3.1818      0.31  |Q        |         |         |        V|
   23+ 5       3.1839      0.31  |Q        |         |         |        V|
   23+10       3.1861      0.31  |Q        |         |         |        V|
   23+15       3.1882      0.31  |Q        |         |         |        V|
   23+20       3.1903      0.31  |Q        |         |         |        V|
   23+25       3.1925      0.31  |Q        |         |         |        V|
   23+30       3.1946      0.31  |Q        |         |         |        V|
   23+35       3.1967      0.31  |Q        |         |         |        V|
   23+40       3.1989      0.31  |Q        |         |         |        V|
   23+45       3.2010      0.31  |Q        |         |         |        V|
   23+50       3.2032      0.31  |Q        |         |         |        V|
   23+55       3.2053      0.31  |Q        |         |         |        V|
   24+ 0       3.2074      0.31  |Q        |         |         |        V|
   24+ 5       3.2084      0.14  Q         |         |         |        V|
   24+10       3.2086      0.02  Q         |         |         |        V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRI110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN I- PROPOSED UNIT HYDROGRAPH
10YR-1HR STORM

Drainage Area = 20.28(Ac.) = 0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 20.28(Ac.) = 0.032 Sq. Mi.
Length along longest watercourse = 1206.00(Ft.)
Length along longest watercourse measured to centroid = 833.00(Ft.)
Length along longest watercourse = 0.228 Mi.
Length along longest watercourse measured to centroid = 0.158 Mi.
Difference in elevation = 146.00(Ft.)
Slope along watercourse = 639.2040 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.79 Min.
25% of lag time = 0.45 Min.
40% of lag time = 0.72 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	0.55	11.15

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	1.30	26.36

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 0.859(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 0.858(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
20.280	65.10	0.754

Total Area Entered = 20.28(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
     65.1  65.1      0.415     0.754        0.133       1.000      0.133
                                                        Sum (F) =   0.133
     Area averaged mean soil loss (F) (In/Hr) =  0.199
     Minimum soil loss rate ((In/Hr)) =  0.100
     (for 24 hour storm duration)
     Note: User entry of the f value
     Soil low loss rate (decimal) =   0.297
     ------------------------------------------------------------------------
     Slope of intensity-duration curve for a 1 hour storm =0.5500
     ------------------------------------------------------------------------

                 U n i t  H y d r o g r a p h
                        VALLEY S-Curve
     ------------------------------------------------------------------------
                 Unit Hydrograph Data
     ------------------------------------------------------------------------
     Unit time period   Time % of lag   Distribution   Unit Hydrograph
         (hrs)                           Graph %           (CFS)
     ------------------------------------------------------------------------
         1   0.083        279.275         54.448             11.128
         2   0.167        558.551         38.300              7.828
         3   0.250        837.826          7.252              1.482
                                  Sum = 100.000   Sum=      20.438
-------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)          Max    |   Low        (In/Hr)
   1   0.08     3.30      0.340       (  0.199)       0.101        0.239
   2   0.17     4.20      0.433       (  0.199)       0.128        0.304
   3   0.25     4.40      0.453       (  0.199)       0.135        0.319
   4   0.33     4.80      0.494       (  0.199)       0.147        0.348
   5   0.42     5.20      0.536       (  0.199)       0.159        0.377
   6   0.50     6.20      0.639       (  0.199)       0.190        0.449
   7   0.58     6.80      0.700          0.199    (  0.208)        0.501
   8   0.67     8.80      0.906          0.199    (  0.269)        0.707
   9   0.75    13.90      1.432          0.199    (  0.425)        1.233
  10   0.83    31.40      3.234          0.199    (  0.960)        3.035
  11   0.92     7.20      0.742          0.199    (  0.220)        0.542
  12   1.00     3.80      0.391       (  0.199)       0.116        0.275
             (Loss Rate Not Used)
    Sum =     100.0                                  Sum =     8.3
     Flood volume = Effective rainfall      0.69(In)
      times area      20.3(Ac.)/[(In)/(Ft.)] =       1.2(Ac.Ft)
     Total soil loss =      0.16(In)
     Total soil loss =     0.278(Ac.Ft)
     Total rainfall =      0.86(In)
     Flood volume =       51098.7 Cubic Feet
     Total soil loss =       12093.5 Cubic Feet
     ------------------------------------------------------------------------
      Peak flow rate of this hydrograph =     44.497(CFS)
     ------------------------------------------------------------------------
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                       1 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
     ------------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ------------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0       12.5      25.0      37.5      50.0
 ------------------------------------------------------------------------
   0+ 5       0.0183      2.66  V Q       |         |         |         |
   0+10       0.0546      5.26  |V  Q     |         |         |         |
   0+15       0.0978      6.29  |  V Q    |         |         |         |
```

```
    0+20       0.1448      6.82  |   VQ    |          |          |          |
    0+25       0.1957      7.39  |    QV   |          |          |          |
    0+30       0.2540      8.47  |     Q V |          |          |          |
    0+35       0.3205      9.66  |      Q  V          |          |          |
    0+40       0.4064     12.47  |        Q|  V       |          |          |
    0+45       0.5441     20.01  |         |     Q V  |          |          |
    0+50       0.8506     44.50  |         |          |        V |    Q     |
    0+55       1.0685     31.64  |         |          |    Q     |     V    |
    1+ 0       1.1499     11.81  |        Q|          |          |        V |
    1+ 5       1.1703      2.96  | Q       |          |          |        V |
    1+10       1.1731      0.41  Q         |          |          |         V
---------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRI310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN I- PROPOSED UNIT HYDROGRAPH
10YR-3HR STORM

Drainage Area = 20.28(Ac.) = 0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 20.28(Ac.) = 0.032 Sq. Mi.
Length along longest watercourse = 1206.00(Ft.)
Length along longest watercourse measured to centroid = 833.00(Ft.)
Length along longest watercourse = 0.228 Mi.
Length along longest watercourse measured to centroid = 0.158 Mi.
Difference in elevation = 146.00(Ft.)
Slope along watercourse = 639.2040 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.79 Min.
25% of lag time = 0.45 Min.
40% of lag time = 0.72 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	1.10	22.31

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	2.00	40.56

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 1.470(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.470(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
20.280	65.10	0.754

Total Area Entered = 20.28(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
65.1  65.1      0.415     0.754        0.133       1.000      0.133
                                                  Sum (F) =   0.133
Area averaged mean soil loss (F) (In/Hr) =  0.199
Minimum soil loss rate ((In/Hr)) =  0.100
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) =   0.297
```

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	279.275	54.448	11.128
2	0.167	558.551	38.300	7.828
3	0.250	837.826	7.252	1.482
		Sum = 100.000	Sum=	20.438

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.229	(0.199)	0.068	0.161
2	0.17	1.30	0.229	(0.199)	0.068	0.161
3	0.25	1.10	0.194	(0.199)	0.058	0.136
4	0.33	1.50	0.265	(0.199)	0.079	0.186
5	0.42	1.50	0.265	(0.199)	0.079	0.186
6	0.50	1.80	0.318	(0.199)	0.094	0.223
7	0.58	1.50	0.265	(0.199)	0.079	0.186
8	0.67	1.80	0.318	(0.199)	0.094	0.223
9	0.75	1.80	0.318	(0.199)	0.094	0.223
10	0.83	1.50	0.265	(0.199)	0.079	0.186
11	0.92	1.60	0.282	(0.199)	0.084	0.198
12	1.00	1.80	0.318	(0.199)	0.094	0.223
13	1.08	2.20	0.388	(0.199)	0.115	0.273
14	1.17	2.20	0.388	(0.199)	0.115	0.273
15	1.25	2.20	0.388	(0.199)	0.115	0.273
16	1.33	2.00	0.353	(0.199)	0.105	0.248
17	1.42	2.60	0.459	(0.199)	0.136	0.323
18	1.50	2.70	0.476	(0.199)	0.141	0.335
19	1.58	2.40	0.423	(0.199)	0.126	0.298
20	1.67	2.70	0.476	(0.199)	0.141	0.335
21	1.75	3.30	0.582	(0.199)	0.173	0.409
22	1.83	3.10	0.547	(0.199)	0.162	0.385
23	1.92	2.90	0.512	(0.199)	0.152	0.360
24	2.00	3.00	0.529	(0.199)	0.157	0.372
25	2.08	3.10	0.547	(0.199)	0.162	0.385
26	2.17	4.20	0.741	0.199	(0.220)	0.542
27	2.25	5.00	0.882	0.199	(0.262)	0.683
28	2.33	3.50	0.617	(0.199)	0.183	0.434
29	2.42	6.80	1.200	0.199	(0.356)	1.000
30	2.50	7.30	1.288	0.199	(0.382)	1.089
31	2.58	8.20	1.447	0.199	(0.429)	1.247
32	2.67	5.90	1.041	0.199	(0.309)	0.842
33	2.75	2.00	0.353	(0.199)	0.105	0.248
34	2.83	1.80	0.318	(0.199)	0.094	0.223
35	2.92	1.80	0.318	(0.199)	0.094	0.223
36	3.00	0.60	0.106	(0.199)	0.031	0.074

(Loss Rate Not Used)

```
    Sum =     100.0                                    Sum =    13.2
      Flood volume = Effective rainfall      1.10(In)
       times area      20.3(Ac.)/[(In)/(Ft.)] =       1.9(Ac.Ft)
      Total soil loss =      0.37(In)
      Total soil loss =     0.630(Ac.Ft)
      Total rainfall =      1.47(In)
      Flood volume =       80785.5 Cubic Feet
      Total soil loss =       27440.7 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =     23.898(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          3 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0        7.5      15.0      22.5      30.0
  ----------------------------------------------------------------------
    0+ 5       0.0124      1.80  V Q       |         |         |         |
    0+10       0.0334      3.06  V   Q     |         |         |         |
    0+15       0.0542      3.02  |V  Q     |         |         |         |
    0+20       0.0775      3.38  |V  Q     |         |         |         |
    0+25       0.1032      3.73  | V Q     |         |         |         |
    0+30       0.1323      4.22  | V  Q    |         |         |         |
    0+35       0.1605      4.10  |  V Q    |         |         |         |
    0+40       0.1899      4.27  |   VQ    |         |         |         |
    0+45       0.2210      4.51  |   V Q   |         |         |         |
    0+50       0.2496      4.15  |    Q    |         |         |         |
    0+55       0.2771      4.00  |    Q    |         |         |         |
    1+ 0       0.3069      4.32  |    QV   |         |         |         |
    1+ 5       0.3419      5.08  |     QV  |         |         |         |
    1+10       0.3798      5.51  |      QV |         |         |         |
    1+15       0.4182      5.58  |      Q V|         |         |         |
    1+20       0.4548      5.30  |      Q V|         |         |         |
    1+25       0.4957      5.94  |      Q  V         |         |         |
    1+30       0.5413      6.62  |       Q |V        |         |         |
    1+35       0.5855      6.42  |       Q | V       |         |         |
    1+40       0.6306      6.56  |       Q |  V      |         |         |
    1+45       0.6831      7.62  |         Q   V     |         |         |
    1+50       0.7381      7.98  |         Q    V    |         |         |
    1+55       0.7906      7.62  |         Q      V  |         |         |
    2+ 0       0.8425      7.53  |         Q       V |         |         |
    2+ 5       0.8958      7.73  |         Q        V|         |         |
    2+10       0.9618      9.60  |         | Q       V         |         |
    2+15       1.0474     12.42  |         |     Q   | V       |         |
    2+20       1.1230     10.99  |         |   Q     |   V     |         |
    2+25       1.2301     15.55  |         |         Q     V   |         |
    2+30       1.3720     20.60  |         |         |      Q V|         |
    2+35       1.5366     23.90  |         |         |         |Q V      |
    2+40       1.6795     20.75  |         |         |      Q  |     V   |
    2+45       1.7567     11.20  |         |   Q     |         |      V  |
    2+50       1.7958      5.68  |      Q  |         |         |       V |
    2+55       1.8275      4.60  |     Q   |         |         |        V|
    3+ 0       1.8475      2.91  |  Q      |         |         |        V|
    3+ 5       1.8538      0.91  |Q        |         |         |        V|
    3+10       1.8546      0.11  Q         |         |         |         V
  ----------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRI610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN I- PROPOSED UNIT HYDROGRAPH
10YR-6HR STORM

Drainage Area = 20.28(Ac.) = 0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 20.28(Ac.) = 0.032 Sq. Mi.
Length along longest watercourse = 1206.00(Ft.)
Length along longest watercourse measured to centroid = 833.00(Ft.)
Length along longest watercourse = 0.228 Mi.
Length along longest watercourse measured to centroid = 0.158 Mi.
Difference in elevation = 146.00(Ft.)
Slope along watercourse = 639.2040 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.79 Min.
25% of lag time = 0.45 Min.
40% of lag time = 0.72 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	1.60	32.45

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	3.00	60.84

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 2.176(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.176(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
20.280	65.10	0.754

Total Area Entered = 20.28(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      65.1  65.1      0.415     0.754        0.133       1.000      0.133
                                                          Sum (F) =   0.133
      Area averaged mean soil loss (F) (In/Hr) =  0.199
      Minimum soil loss rate ((In/Hr)) =  0.100
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.297
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                           Graph %           (CFS)
      ------------------------------------------------------------------------
          1   0.083        279.275         54.448             11.128
          2   0.167        558.551         38.300              7.828
          3   0.250        837.826          7.252              1.482
                                    Sum = 100.000   Sum=      20.438
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.131	(0.199)	0.039	0.092
2	0.17	0.60	0.157	(0.199)	0.046	0.110
3	0.25	0.60	0.157	(0.199)	0.046	0.110
4	0.33	0.60	0.157	(0.199)	0.046	0.110
5	0.42	0.60	0.157	(0.199)	0.046	0.110
6	0.50	0.70	0.183	(0.199)	0.054	0.129
7	0.58	0.70	0.183	(0.199)	0.054	0.129
8	0.67	0.70	0.183	(0.199)	0.054	0.129
9	0.75	0.70	0.183	(0.199)	0.054	0.129
10	0.83	0.70	0.183	(0.199)	0.054	0.129
11	0.92	0.70	0.183	(0.199)	0.054	0.129
12	1.00	0.80	0.209	(0.199)	0.062	0.147
13	1.08	0.80	0.209	(0.199)	0.062	0.147
14	1.17	0.80	0.209	(0.199)	0.062	0.147
15	1.25	0.80	0.209	(0.199)	0.062	0.147
16	1.33	0.80	0.209	(0.199)	0.062	0.147
17	1.42	0.80	0.209	(0.199)	0.062	0.147
18	1.50	0.80	0.209	(0.199)	0.062	0.147
19	1.58	0.80	0.209	(0.199)	0.062	0.147
20	1.67	0.80	0.209	(0.199)	0.062	0.147
21	1.75	0.80	0.209	(0.199)	0.062	0.147
22	1.83	0.80	0.209	(0.199)	0.062	0.147
23	1.92	0.80	0.209	(0.199)	0.062	0.147
24	2.00	0.90	0.235	(0.199)	0.070	0.165
25	2.08	0.80	0.209	(0.199)	0.062	0.147
26	2.17	0.90	0.235	(0.199)	0.070	0.165
27	2.25	0.90	0.235	(0.199)	0.070	0.165
28	2.33	0.90	0.235	(0.199)	0.070	0.165
29	2.42	0.90	0.235	(0.199)	0.070	0.165
30	2.50	0.90	0.235	(0.199)	0.070	0.165
31	2.58	0.90	0.235	(0.199)	0.070	0.165
32	2.67	0.90	0.235	(0.199)	0.070	0.165
33	2.75	1.00	0.261	(0.199)	0.077	0.184
34	2.83	1.00	0.261	(0.199)	0.077	0.184
35	2.92	1.00	0.261	(0.199)	0.077	0.184
36	3.00	1.00	0.261	(0.199)	0.077	0.184
37	3.08	1.00	0.261	(0.199)	0.077	0.184
38	3.17	1.10	0.287	(0.199)	0.085	0.202

```
39   3.25     1.10      0.287       (  0.199)       0.085        0.202
40   3.33     1.10      0.287       (  0.199)       0.085        0.202
41   3.42     1.20      0.313       (  0.199)       0.093        0.220
42   3.50     1.30      0.339       (  0.199)       0.101        0.239
43   3.58     1.40      0.366       (  0.199)       0.108        0.257
44   3.67     1.40      0.366       (  0.199)       0.108        0.257
45   3.75     1.50      0.392       (  0.199)       0.116        0.275
46   3.83     1.50      0.392       (  0.199)       0.116        0.275
47   3.92     1.60      0.418       (  0.199)       0.124        0.294
48   4.00     1.60      0.418       (  0.199)       0.124        0.294
49   4.08     1.70      0.444       (  0.199)       0.132        0.312
50   4.17     1.80      0.470       (  0.199)       0.139        0.330
51   4.25     1.90      0.496       (  0.199)       0.147        0.349
52   4.33     2.00      0.522       (  0.199)       0.155        0.367
53   4.42     2.10      0.548       (  0.199)       0.163        0.386
54   4.50     2.10      0.548       (  0.199)       0.163        0.386
55   4.58     2.20      0.574       (  0.199)       0.170        0.404
56   4.67     2.30      0.601       (  0.199)       0.178        0.422
57   4.75     2.40      0.627       (  0.199)       0.186        0.441
58   4.83     2.40      0.627       (  0.199)       0.186        0.441
59   4.92     2.50      0.653       (  0.199)       0.194        0.459
60   5.00     2.60      0.679          0.199    (  0.201)       0.480
61   5.08     3.10      0.809          0.199    (  0.240)       0.610
62   5.17     3.60      0.940          0.199    (  0.279)       0.741
63   5.25     3.90      1.018          0.199    (  0.302)       0.819
64   5.33     4.20      1.097          0.199    (  0.325)       0.897
65   5.42     4.70      1.227          0.199    (  0.364)       1.028
66   5.50     5.60      1.462          0.199    (  0.434)       1.263
67   5.58     1.90      0.496       (  0.199)       0.147        0.349
68   5.67     0.90      0.235       (  0.199)       0.070        0.165
69   5.75     0.60      0.157       (  0.199)       0.046        0.110
70   5.83     0.50      0.131       (  0.199)       0.039        0.092
71   5.92     0.30      0.078       (  0.199)       0.023        0.055
72   6.00     0.20      0.052       (  0.199)       0.015        0.037
            (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    19.1
     Flood volume = Effective rainfall      1.59(In)
      times area      20.3(Ac.)/[(In)/(Ft.)] =       2.7(Ac.Ft)
     Total soil loss =      0.58(In)
     Total soil loss =     0.985(Ac.Ft)
     Total rainfall =      2.18(In)
     Flood volume =      117249.7 Cubic Feet
     Total soil loss =       42926.3 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     23.443(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        7.5      15.0      22.5      30.0
-------------------------------------------------------------------------
  0+ 5       0.0070      1.02  VQ        |         |         |         |
  0+10       0.0204      1.95  V Q       |         |         |         |
  0+15       0.0358      2.23  V Q       |         |         |         |
  0+20       0.0513      2.25  V  Q      |         |         |         |
  0+25       0.0668      2.25  V  Q      |         |         |         |
  0+30       0.0837      2.46  |V Q      |         |         |         |
  0+35       0.1016      2.60  |V Q      |         |         |         |
  0+40       0.1197      2.63  |V Q      |         |         |         |
  0+45       0.1378      2.63  | VQ      |         |         |         |
  0+50       0.1559      2.63  | VQ      |         |         |         |
  0+55       0.1740      2.63  | VQ      |         |         |         |
  1+ 0       0.1935      2.83  | VQ      |         |         |         |
```

```
    1+ 5       0.2140      2.98  |  Q       |          |          |          |
    1+10       0.2347      3.00  |  VQ      |          |          |          |
    1+15       0.2554      3.00  |  VQ      |          |          |          |
    1+20       0.2761      3.00  |   Q      |          |          |          |
    1+25       0.2968      3.00  |   Q      |          |          |          |
    1+30       0.3175      3.00  |   Q      |          |          |          |
    1+35       0.3382      3.00  |   QV     |          |          |          |
    1+40       0.3588      3.00  |   QV     |          |          |          |
    1+45       0.3795      3.00  |   QV     |          |          |          |
    1+50       0.4002      3.00  |   QV     |          |          |          |
    1+55       0.4209      3.00  |   Q V    |          |          |          |
    2+ 0       0.4430      3.21  |   Q V    |          |          |          |
    2+ 5       0.4647      3.15  |   Q V    |          |          |          |
    2+10       0.4870      3.24  |   Q  V   |          |          |          |
    2+15       0.5100      3.35  |   Q  V   |          |          |          |
    2+20       0.5333      3.38  |   Q  V   |          |          |          |
    2+25       0.5566      3.38  |   Q   V  |          |          |          |
    2+30       0.5799      3.38  |   Q   V  |          |          |          |
    2+35       0.6031      3.38  |   Q   V  |          |          |          |
    2+40       0.6264      3.38  |   Q    V|          |          |          |
    2+45       0.6511      3.58  |   Q    V|          |          |          |
    2+50       0.6767      3.73  |   Q     V          |          |          |
    2+55       0.7026      3.75  |    Q    V          |          |          |
    3+ 0       0.7285      3.75  |    Q    V          |          |          |
    3+ 5       0.7543      3.75  |    Q    |V         |          |          |
    3+10       0.7816      3.96  |    Q    |V         |          |          |
    3+15       0.8098      4.10  |    Q    | V        |          |          |
    3+20       0.8383      4.13  |    Q    | V        |          |          |
    3+25       0.8681      4.33  |    Q    | V        |          |          |
    3+30       0.9004      4.68  |     Q   |  V       |          |          |
    3+35       0.9352      5.06  |     Q   |  V       |          |          |
    3+40       0.9712      5.23  |     Q   |   V      |          |          |
    3+45       1.0088      5.46  |      Q  |   V      |          |          |
    3+50       1.0474      5.60  |      Q  |    V     |          |          |
    3+55       1.0876      5.84  |      Q  |     V    |          |          |
    4+ 0       1.1288      5.98  |      Q  |     V    |          |          |
    4+ 5       1.1716      6.21  |       Q |      V   |          |          |
    4+10       1.2168      6.56  |       Q |       V  |          |          |
    4+15       1.2645      6.94  |        Q|       V  |          |          |
    4+20       1.3149      7.31  |        Q|        V|          |          |
    4+25       1.3678      7.69  |         Q         V          |          |
    4+30       1.4219      7.86  |         Q         |V         |          |
    4+35       1.4776      8.09  |         Q         |V         |          |
    4+40       1.5358      8.44  |         |Q        | V        |          |
    4+45       1.5964      8.81  |         |Q        |  V       |          |
    4+50       1.6583      8.98  |         |Q        |   V      |          |
    4+55       1.7218      9.22  |         | Q       |    V     |          |
    5+ 0       1.7878      9.59  |         | Q       |     V    |          |
    5+ 5       1.8652     11.23  |         |   Q     |      V   |          |
    5+10       1.9598     13.74  |         |       Q |       V|          |
    5+15       2.0688     15.83  |         |         |Q       V          |
    5+20       2.1893     17.51  |         |         |  Q      | V        |
    5+25       2.3249     19.69  |         |         |    Q    |  V       |
    5+30       2.4864     23.44  |         |         |         |Q    V    |
    5+35       2.5918     15.30  |         |         |Q        |      V   |
    5+40       2.6361      6.44  |       Q |         |         |       V  |
    5+45       2.6571      3.04  |   Q     |         |         |       V  |
    5+50       2.6717      2.13  | Q       |         |         |       V  |
    5+55       2.6820      1.50  |Q        |         |         |       V  |
    6+ 0       2.6888      0.98  |Q        |         |         |       V  |
    6+ 5       2.6913      0.37  Q         |         |         |       V  |
    6+10       2.6917      0.05  Q         |         |         |        V
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRI2410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN I- PROPOSED UNIT HYDROGRAPH
10YR-24HR STORM

Drainage Area = 20.28(Ac.) = 0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 20.28(Ac.) = 0.032 Sq. Mi.
Length along longest watercourse = 1206.00(Ft.)
Length along longest watercourse measured to centroid = 833.00(Ft.)
Length along longest watercourse = 0.228 Mi.
Length along longest watercourse measured to centroid = 0.158 Mi.
Difference in elevation = 146.00(Ft.)
Slope along watercourse = 639.2040 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.79 Min.
25% of lag time = 0.45 Min.
40% of lag time = 0.72 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	2.70	54.76

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	7.00	141.96

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 4.469(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 4.469(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
20.280	65.10	0.754

Total Area Entered = 20.28(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      65.1  65.1      0.415     0.754        0.133       1.000      0.133
                                                          Sum (F) =   0.133
      Area averaged mean soil loss (F) (In/Hr) =  0.199
      Minimum soil loss rate ((In/Hr)) =  0.100
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.297
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        279.275         54.448             11.128
          2   0.167        558.551         38.300              7.828
          3   0.250        837.826          7.252              1.482
                                    Sum = 100.000   Sum=      20.438
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The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.036	(0.353)	0.011	0.025
2	0.17	0.07	0.036	(0.352)	0.011	0.025
3	0.25	0.07	0.036	(0.350)	0.011	0.025
4	0.33	0.10	0.054	(0.349)	0.016	0.038
5	0.42	0.10	0.054	(0.348)	0.016	0.038
6	0.50	0.10	0.054	(0.346)	0.016	0.038
7	0.58	0.10	0.054	(0.345)	0.016	0.038
8	0.67	0.10	0.054	(0.344)	0.016	0.038
9	0.75	0.10	0.054	(0.342)	0.016	0.038
10	0.83	0.13	0.072	(0.341)	0.021	0.050
11	0.92	0.13	0.072	(0.340)	0.021	0.050
12	1.00	0.13	0.072	(0.338)	0.021	0.050
13	1.08	0.10	0.054	(0.337)	0.016	0.038
14	1.17	0.10	0.054	(0.336)	0.016	0.038
15	1.25	0.10	0.054	(0.334)	0.016	0.038
16	1.33	0.10	0.054	(0.333)	0.016	0.038
17	1.42	0.10	0.054	(0.332)	0.016	0.038
18	1.50	0.10	0.054	(0.330)	0.016	0.038
19	1.58	0.10	0.054	(0.329)	0.016	0.038
20	1.67	0.10	0.054	(0.328)	0.016	0.038
21	1.75	0.10	0.054	(0.326)	0.016	0.038
22	1.83	0.13	0.072	(0.325)	0.021	0.050
23	1.92	0.13	0.072	(0.324)	0.021	0.050
24	2.00	0.13	0.072	(0.322)	0.021	0.050
25	2.08	0.13	0.072	(0.321)	0.021	0.050
26	2.17	0.13	0.072	(0.320)	0.021	0.050
27	2.25	0.13	0.072	(0.319)	0.021	0.050
28	2.33	0.13	0.072	(0.317)	0.021	0.050
29	2.42	0.13	0.072	(0.316)	0.021	0.050
30	2.50	0.13	0.072	(0.315)	0.021	0.050
31	2.58	0.17	0.089	(0.313)	0.027	0.063
32	2.67	0.17	0.089	(0.312)	0.027	0.063
33	2.75	0.17	0.089	(0.311)	0.027	0.063
34	2.83	0.17	0.089	(0.309)	0.027	0.063
35	2.92	0.17	0.089	(0.308)	0.027	0.063
36	3.00	0.17	0.089	(0.307)	0.027	0.063
37	3.08	0.17	0.089	(0.306)	0.027	0.063
38	3.17	0.17	0.089	(0.304)	0.027	0.063

39	3.25	0.17	0.089	(0.303)	0.027	0.063
40	3.33	0.17	0.089	(0.302)	0.027	0.063
41	3.42	0.17	0.089	(0.301)	0.027	0.063
42	3.50	0.17	0.089	(0.299)	0.027	0.063
43	3.58	0.17	0.089	(0.298)	0.027	0.063
44	3.67	0.17	0.089	(0.297)	0.027	0.063
45	3.75	0.17	0.089	(0.296)	0.027	0.063
46	3.83	0.20	0.107	(0.294)	0.032	0.075
47	3.92	0.20	0.107	(0.293)	0.032	0.075
48	4.00	0.20	0.107	(0.292)	0.032	0.075
49	4.08	0.20	0.107	(0.291)	0.032	0.075
50	4.17	0.20	0.107	(0.289)	0.032	0.075
51	4.25	0.20	0.107	(0.288)	0.032	0.075
52	4.33	0.23	0.125	(0.287)	0.037	0.088
53	4.42	0.23	0.125	(0.286)	0.037	0.088
54	4.50	0.23	0.125	(0.284)	0.037	0.088
55	4.58	0.23	0.125	(0.283)	0.037	0.088
56	4.67	0.23	0.125	(0.282)	0.037	0.088
57	4.75	0.23	0.125	(0.281)	0.037	0.088
58	4.83	0.27	0.143	(0.280)	0.042	0.101
59	4.92	0.27	0.143	(0.278)	0.042	0.101
60	5.00	0.27	0.143	(0.277)	0.042	0.101
61	5.08	0.20	0.107	(0.276)	0.032	0.075
62	5.17	0.20	0.107	(0.275)	0.032	0.075
63	5.25	0.20	0.107	(0.274)	0.032	0.075
64	5.33	0.23	0.125	(0.272)	0.037	0.088
65	5.42	0.23	0.125	(0.271)	0.037	0.088
66	5.50	0.23	0.125	(0.270)	0.037	0.088
67	5.58	0.27	0.143	(0.269)	0.042	0.101
68	5.67	0.27	0.143	(0.268)	0.042	0.101
69	5.75	0.27	0.143	(0.266)	0.042	0.101
70	5.83	0.27	0.143	(0.265)	0.042	0.101
71	5.92	0.27	0.143	(0.264)	0.042	0.101
72	6.00	0.27	0.143	(0.263)	0.042	0.101
73	6.08	0.30	0.161	(0.262)	0.048	0.113
74	6.17	0.30	0.161	(0.261)	0.048	0.113
75	6.25	0.30	0.161	(0.259)	0.048	0.113
76	6.33	0.30	0.161	(0.258)	0.048	0.113
77	6.42	0.30	0.161	(0.257)	0.048	0.113
78	6.50	0.30	0.161	(0.256)	0.048	0.113
79	6.58	0.33	0.179	(0.255)	0.053	0.126
80	6.67	0.33	0.179	(0.254)	0.053	0.126
81	6.75	0.33	0.179	(0.253)	0.053	0.126
82	6.83	0.33	0.179	(0.251)	0.053	0.126
83	6.92	0.33	0.179	(0.250)	0.053	0.126
84	7.00	0.33	0.179	(0.249)	0.053	0.126
85	7.08	0.33	0.179	(0.248)	0.053	0.126
86	7.17	0.33	0.179	(0.247)	0.053	0.126
87	7.25	0.33	0.179	(0.246)	0.053	0.126
88	7.33	0.37	0.197	(0.245)	0.058	0.138
89	7.42	0.37	0.197	(0.244)	0.058	0.138
90	7.50	0.37	0.197	(0.242)	0.058	0.138
91	7.58	0.40	0.215	(0.241)	0.064	0.151
92	7.67	0.40	0.215	(0.240)	0.064	0.151
93	7.75	0.40	0.215	(0.239)	0.064	0.151
94	7.83	0.43	0.232	(0.238)	0.069	0.163
95	7.92	0.43	0.232	(0.237)	0.069	0.163
96	8.00	0.43	0.232	(0.236)	0.069	0.163
97	8.08	0.50	0.268	(0.235)	0.080	0.189
98	8.17	0.50	0.268	(0.234)	0.080	0.189
99	8.25	0.50	0.268	(0.232)	0.080	0.189
100	8.33	0.50	0.268	(0.231)	0.080	0.189
101	8.42	0.50	0.268	(0.230)	0.080	0.189
102	8.50	0.50	0.268	(0.229)	0.080	0.189
103	8.58	0.53	0.286	(0.228)	0.085	0.201
104	8.67	0.53	0.286	(0.227)	0.085	0.201
105	8.75	0.53	0.286	(0.226)	0.085	0.201

106	8.83	0.57	0.304	(	0.225)	0.090		0.214
107	8.92	0.57	0.304	(	0.224)	0.090		0.214
108	9.00	0.57	0.304	(	0.223)	0.090		0.214
109	9.08	0.63	0.340	(	0.222)	0.101		0.239
110	9.17	0.63	0.340	(	0.221)	0.101		0.239
111	9.25	0.63	0.340	(	0.220)	0.101		0.239
112	9.33	0.67	0.358	(	0.219)	0.106		0.251
113	9.42	0.67	0.358	(	0.218)	0.106		0.251
114	9.50	0.67	0.358	(	0.217)	0.106		0.251
115	9.58	0.70	0.375	(	0.216)	0.111		0.264
116	9.67	0.70	0.375	(	0.214)	0.111		0.264
117	9.75	0.70	0.375	(	0.213)	0.111		0.264
118	9.83	0.73	0.393	(	0.212)	0.117		0.277
119	9.92	0.73	0.393	(	0.211)	0.117		0.277
120	10.00	0.73	0.393	(	0.210)	0.117		0.277
121	10.08	0.50	0.268	(	0.209)	0.080		0.189
122	10.17	0.50	0.268	(	0.208)	0.080		0.189
123	10.25	0.50	0.268	(	0.207)	0.080		0.189
124	10.33	0.50	0.268	(	0.206)	0.080		0.189
125	10.42	0.50	0.268	(	0.205)	0.080		0.189
126	10.50	0.50	0.268	(	0.204)	0.080		0.189
127	10.58	0.67	0.358	(	0.203)	0.106		0.251
128	10.67	0.67	0.358	(	0.202)	0.106		0.251
129	10.75	0.67	0.358	(	0.201)	0.106		0.251
130	10.83	0.67	0.358	(	0.200)	0.106		0.251
131	10.92	0.67	0.358	(	0.199)	0.106		0.251
132	11.00	0.67	0.358	(	0.198)	0.106		0.251
133	11.08	0.63	0.340	(	0.197)	0.101		0.239
134	11.17	0.63	0.340	(	0.196)	0.101		0.239
135	11.25	0.63	0.340	(	0.195)	0.101		0.239
136	11.33	0.63	0.340	(	0.194)	0.101		0.239
137	11.42	0.63	0.340	(	0.194)	0.101		0.239
138	11.50	0.63	0.340	(	0.193)	0.101		0.239
139	11.58	0.57	0.304	(	0.192)	0.090		0.214
140	11.67	0.57	0.304	(	0.191)	0.090		0.214
141	11.75	0.57	0.304	(	0.190)	0.090		0.214
142	11.83	0.60	0.322	(	0.189)	0.095		0.226
143	11.92	0.60	0.322	(	0.188)	0.095		0.226
144	12.00	0.60	0.322	(	0.187)	0.095		0.226
145	12.08	0.83	0.447	(	0.186)	0.133		0.314
146	12.17	0.83	0.447	(	0.185)	0.133		0.314
147	12.25	0.83	0.447	(	0.184)	0.133		0.314
148	12.33	0.87	0.465	(	0.183)	0.138		0.327
149	12.42	0.87	0.465	(	0.182)	0.138		0.327
150	12.50	0.87	0.465	(	0.181)	0.138		0.327
151	12.58	0.93	0.501	(	0.180)	0.149		0.352
152	12.67	0.93	0.501	(	0.180)	0.149		0.352
153	12.75	0.93	0.501	(	0.179)	0.149		0.352
154	12.83	0.97	0.518	(	0.178)	0.154		0.365
155	12.92	0.97	0.518	(	0.177)	0.154		0.365
156	13.00	0.97	0.518	(	0.176)	0.154		0.365
157	13.08	1.13	0.608		0.175	(0.180)		0.433
158	13.17	1.13	0.608		0.174	(0.180)		0.434
159	13.25	1.13	0.608		0.173	(0.180)		0.435
160	13.33	1.13	0.608		0.172	(0.180)		0.435
161	13.42	1.13	0.608		0.172	(0.180)		0.436
162	13.50	1.13	0.608		0.171	(0.180)		0.437
163	13.58	0.77	0.411	(	0.170)	0.122		0.289
164	13.67	0.77	0.411	(	0.169)	0.122		0.289
165	13.75	0.77	0.411	(	0.168)	0.122		0.289
166	13.83	0.77	0.411	(	0.167)	0.122		0.289
167	13.92	0.77	0.411	(	0.166)	0.122		0.289
168	14.00	0.77	0.411	(	0.165)	0.122		0.289
169	14.08	0.90	0.483	(	0.165)	0.143		0.339
170	14.17	0.90	0.483	(	0.164)	0.143		0.339
171	14.25	0.90	0.483	(	0.163)	0.143		0.339
172	14.33	0.87	0.465	(	0.162)	0.138		0.327

173	14.42	0.87	0.465	(0.161)	0.138	0.327
174	14.50	0.87	0.465	(0.160)	0.138	0.327
175	14.58	0.87	0.465	(0.160)	0.138	0.327
176	14.67	0.87	0.465	(0.159)	0.138	0.327
177	14.75	0.87	0.465	(0.158)	0.138	0.327
178	14.83	0.83	0.447	(0.157)	0.133	0.314
179	14.92	0.83	0.447	(0.156)	0.133	0.314
180	15.00	0.83	0.447	(0.156)	0.133	0.314
181	15.08	0.80	0.429	(0.155)	0.127	0.302
182	15.17	0.80	0.429	(0.154)	0.127	0.302
183	15.25	0.80	0.429	(0.153)	0.127	0.302
184	15.33	0.77	0.411	(0.152)	0.122	0.289
185	15.42	0.77	0.411	(0.152)	0.122	0.289
186	15.50	0.77	0.411	(0.151)	0.122	0.289
187	15.58	0.63	0.340	(0.150)	0.101	0.239
188	15.67	0.63	0.340	(0.149)	0.101	0.239
189	15.75	0.63	0.340	(0.149)	0.101	0.239
190	15.83	0.63	0.340	(0.148)	0.101	0.239
191	15.92	0.63	0.340	(0.147)	0.101	0.239
192	16.00	0.63	0.340	(0.146)	0.101	0.239
193	16.08	0.13	0.072	(0.146)	0.021	0.050
194	16.17	0.13	0.072	(0.145)	0.021	0.050
195	16.25	0.13	0.072	(0.144)	0.021	0.050
196	16.33	0.13	0.072	(0.143)	0.021	0.050
197	16.42	0.13	0.072	(0.143)	0.021	0.050
198	16.50	0.13	0.072	(0.142)	0.021	0.050
199	16.58	0.10	0.054	(0.141)	0.016	0.038
200	16.67	0.10	0.054	(0.140)	0.016	0.038
201	16.75	0.10	0.054	(0.140)	0.016	0.038
202	16.83	0.10	0.054	(0.139)	0.016	0.038
203	16.92	0.10	0.054	(0.138)	0.016	0.038
204	17.00	0.10	0.054	(0.138)	0.016	0.038
205	17.08	0.17	0.089	(0.137)	0.027	0.063
206	17.17	0.17	0.089	(0.136)	0.027	0.063
207	17.25	0.17	0.089	(0.136)	0.027	0.063
208	17.33	0.17	0.089	(0.135)	0.027	0.063
209	17.42	0.17	0.089	(0.134)	0.027	0.063
210	17.50	0.17	0.089	(0.134)	0.027	0.063
211	17.58	0.17	0.089	(0.133)	0.027	0.063
212	17.67	0.17	0.089	(0.132)	0.027	0.063
213	17.75	0.17	0.089	(0.132)	0.027	0.063
214	17.83	0.13	0.072	(0.131)	0.021	0.050
215	17.92	0.13	0.072	(0.130)	0.021	0.050
216	18.00	0.13	0.072	(0.130)	0.021	0.050
217	18.08	0.13	0.072	(0.129)	0.021	0.050
218	18.17	0.13	0.072	(0.128)	0.021	0.050
219	18.25	0.13	0.072	(0.128)	0.021	0.050
220	18.33	0.13	0.072	(0.127)	0.021	0.050
221	18.42	0.13	0.072	(0.126)	0.021	0.050
222	18.50	0.13	0.072	(0.126)	0.021	0.050
223	18.58	0.10	0.054	(0.125)	0.016	0.038
224	18.67	0.10	0.054	(0.125)	0.016	0.038
225	18.75	0.10	0.054	(0.124)	0.016	0.038
226	18.83	0.07	0.036	(0.123)	0.011	0.025
227	18.92	0.07	0.036	(0.123)	0.011	0.025
228	19.00	0.07	0.036	(0.122)	0.011	0.025
229	19.08	0.10	0.054	(0.122)	0.016	0.038
230	19.17	0.10	0.054	(0.121)	0.016	0.038
231	19.25	0.10	0.054	(0.121)	0.016	0.038
232	19.33	0.13	0.072	(0.120)	0.021	0.050
233	19.42	0.13	0.072	(0.119)	0.021	0.050
234	19.50	0.13	0.072	(0.119)	0.021	0.050
235	19.58	0.10	0.054	(0.118)	0.016	0.038
236	19.67	0.10	0.054	(0.118)	0.016	0.038
237	19.75	0.10	0.054	(0.117)	0.016	0.038
238	19.83	0.07	0.036	(0.117)	0.011	0.025
239	19.92	0.07	0.036	(0.116)	0.011	0.025

```
240  20.00     0.07      0.036       (  0.116)       0.011        0.025
241  20.08     0.10      0.054       (  0.115)       0.016        0.038
242  20.17     0.10      0.054       (  0.115)       0.016        0.038
243  20.25     0.10      0.054       (  0.114)       0.016        0.038
244  20.33     0.10      0.054       (  0.114)       0.016        0.038
245  20.42     0.10      0.054       (  0.113)       0.016        0.038
246  20.50     0.10      0.054       (  0.113)       0.016        0.038
247  20.58     0.10      0.054       (  0.112)       0.016        0.038
248  20.67     0.10      0.054       (  0.112)       0.016        0.038
249  20.75     0.10      0.054       (  0.111)       0.016        0.038
250  20.83     0.07      0.036       (  0.111)       0.011        0.025
251  20.92     0.07      0.036       (  0.110)       0.011        0.025
252  21.00     0.07      0.036       (  0.110)       0.011        0.025
253  21.08     0.10      0.054       (  0.110)       0.016        0.038
254  21.17     0.10      0.054       (  0.109)       0.016        0.038
255  21.25     0.10      0.054       (  0.109)       0.016        0.038
256  21.33     0.07      0.036       (  0.108)       0.011        0.025
257  21.42     0.07      0.036       (  0.108)       0.011        0.025
258  21.50     0.07      0.036       (  0.107)       0.011        0.025
259  21.58     0.10      0.054       (  0.107)       0.016        0.038
260  21.67     0.10      0.054       (  0.107)       0.016        0.038
261  21.75     0.10      0.054       (  0.106)       0.016        0.038
262  21.83     0.07      0.036       (  0.106)       0.011        0.025
263  21.92     0.07      0.036       (  0.106)       0.011        0.025
264  22.00     0.07      0.036       (  0.105)       0.011        0.025
265  22.08     0.10      0.054       (  0.105)       0.016        0.038
266  22.17     0.10      0.054       (  0.104)       0.016        0.038
267  22.25     0.10      0.054       (  0.104)       0.016        0.038
268  22.33     0.07      0.036       (  0.104)       0.011        0.025
269  22.42     0.07      0.036       (  0.104)       0.011        0.025
270  22.50     0.07      0.036       (  0.103)       0.011        0.025
271  22.58     0.07      0.036       (  0.103)       0.011        0.025
272  22.67     0.07      0.036       (  0.103)       0.011        0.025
273  22.75     0.07      0.036       (  0.102)       0.011        0.025
274  22.83     0.07      0.036       (  0.102)       0.011        0.025
275  22.92     0.07      0.036       (  0.102)       0.011        0.025
276  23.00     0.07      0.036       (  0.102)       0.011        0.025
277  23.08     0.07      0.036       (  0.101)       0.011        0.025
278  23.17     0.07      0.036       (  0.101)       0.011        0.025
279  23.25     0.07      0.036       (  0.101)       0.011        0.025
280  23.33     0.07      0.036       (  0.101)       0.011        0.025
281  23.42     0.07      0.036       (  0.100)       0.011        0.025
282  23.50     0.07      0.036       (  0.100)       0.011        0.025
283  23.58     0.07      0.036       (  0.100)       0.011        0.025
284  23.67     0.07      0.036       (  0.100)       0.011        0.025
285  23.75     0.07      0.036       (  0.100)       0.011        0.025
286  23.83     0.07      0.036       (  0.100)       0.011        0.025
287  23.92     0.07      0.036       (  0.100)       0.011        0.025
288  24.00     0.07      0.036       (  0.100)       0.011        0.025
          (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    37.8
     Flood volume = Effective rainfall      3.15(In)
      times area      20.3(Ac.)/[(In)/(Ft.)] =       5.3(Ac.Ft)
     Total soil loss =      1.32(In)
     Total soil loss =     2.235(Ac.Ft)
     Total rainfall =      4.47(In)
     Flood volume =      231619.0 Cubic Feet
     Total soil loss =       97363.7 Cubic Feet
     ------------------------------------------------------------------
      Peak flow rate of this hydrograph =      8.930(CFS)
     ------------------------------------------------------------------
     ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        24 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))
```

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0019	0.28	VQ				
0+10	0.0052	0.48	VQ				
0+15	0.0088	0.51	V Q				
0+20	0.0133	0.65	V Q				
0+25	0.0184	0.75	V Q				
0+30	0.0237	0.77	V Q				
0+35	0.0291	0.77	V Q				
0+40	0.0344	0.77	V Q				
0+45	0.0397	0.77	V Q				
0+50	0.0460	0.91	V Q				
0+55	0.0529	1.01	V Q				
1+ 0	0.0600	1.03	V Q				
1+ 5	0.0661	0.89	V Q				
1+10	0.0715	0.79	V Q				
1+15	0.0769	0.77	V Q				
1+20	0.0822	0.77	V Q				
1+25	0.0875	0.77	V Q				
1+30	0.0928	0.77	V Q				
1+35	0.0981	0.77	V Q				
1+40	0.1034	0.77	V Q				
1+45	0.1087	0.77	V Q				
1+50	0.1150	0.91	V Q				
1+55	0.1220	1.01	V Q				
2+ 0	0.1290	1.03	V Q				
2+ 5	0.1361	1.03	|V Q				
2+10	0.1432	1.03	|V Q				
2+15	0.1503	1.03	|V Q				
2+20	0.1574	1.03	|V Q				
2+25	0.1644	1.03	|V Q				
2+30	0.1715	1.03	|V Q				
2+35	0.1796	1.17	|V Q				
2+40	0.1883	1.27	|V Q				
2+45	0.1971	1.29	|V Q				
2+50	0.2060	1.29	|V Q				
2+55	0.2148	1.29	|V Q				
3+ 0	0.2237	1.29	|V Q				
3+ 5	0.2325	1.29	|V Q				
3+10	0.2414	1.29	|V Q				
3+15	0.2502	1.29	|V Q				
3+20	0.2591	1.29	|V Q				
3+25	0.2679	1.29	| V Q				
3+30	0.2768	1.29	| V Q				
3+35	0.2857	1.29	| V Q				
3+40	0.2945	1.29	| V Q				
3+45	0.3034	1.29	| V Q				
3+50	0.3132	1.43	| V Q				
3+55	0.3237	1.52	| V Q				
4+ 0	0.3343	1.54	| V Q				
4+ 5	0.3449	1.54	| V Q				
4+10	0.3555	1.54	| V Q				
4+15	0.3662	1.54	| V Q				
4+20	0.3777	1.68	| V Q				
4+25	0.3900	1.78	| V Q				
4+30	0.4024	1.80	| V Q				
4+35	0.4148	1.80	| V Q				
4+40	0.4272	1.80	| V Q				
4+45	0.4396	1.80	| V Q				
4+50	0.4529	1.94	| V Q				
4+55	0.4670	2.04	| V Q				
5+ 0	0.4811	2.06	| V Q				
5+ 5	0.4934	1.78	| V Q				
5+10	0.5042	1.58	| V Q				
5+15	0.5149	1.54	| V Q				
5+20	0.5264	1.68	| V Q				

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 5+25       0.5387      1.78  |   V  Q  |          |          |          |
 5+30       0.5511      1.80  |   V  Q  |          |          |          |
 5+35       0.5645      1.94  |   V  Q  |          |          |          |
 5+40       0.5785      2.04  |   V   Q |          |          |          |
 5+45       0.5926      2.06  |   V   Q |          |          |          |
 5+50       0.6068      2.06  |   V   Q |          |          |          |
 5+55       0.6210      2.06  |   V   Q |          |          |          |
 6+ 0       0.6351      2.06  |   V   Q |          |          |          |
 6+ 5       0.6503      2.20  |   V   Q |          |          |          |
 6+10       0.6661      2.29  |    V   Q|          |          |          |
 6+15       0.6820      2.31  |    V   Q|          |          |          |
 6+20       0.6979      2.31  |    V   Q|          |          |          |
 6+25       0.7139      2.31  |    V   Q|          |          |          |
 6+30       0.7298      2.31  |    V   Q|          |          |          |
 6+35       0.7467      2.45  |    V   Q|          |          |          |
 6+40       0.7643      2.55  |    V    Q          |          |          |
 6+45       0.7820      2.57  |    V    Q          |          |          |
 6+50       0.7997      2.57  |     V   Q          |          |          |
 6+55       0.8174      2.57  |     V   Q          |          |          |
 7+ 0       0.8351      2.57  |     V   Q          |          |          |
 7+ 5       0.8528      2.57  |     V   Q          |          |          |
 7+10       0.8705      2.57  |     V   Q          |          |          |
 7+15       0.8882      2.57  |     V   Q          |          |          |
 7+20       0.9069      2.71  |     V   Q          |          |          |
 7+25       0.9262      2.81  |     V   |Q         |          |          |
 7+30       0.9457      2.83  |      V  |Q         |          |          |
 7+35       0.9661      2.97  |      V  |Q         |          |          |
 7+40       0.9872      3.07  |      V  | Q        |          |          |
 7+45       1.0085      3.08  |      V  | Q        |          |          |
 7+50       1.0307      3.22  |      V  | Q        |          |          |
 7+55       1.0536      3.32  |      V  |  Q       |          |          |
 8+ 0       1.0766      3.34  |       V |  Q       |          |          |
 8+ 5       1.1015      3.62  |       V |   Q      |          |          |
 8+10       1.1278      3.82  |       V |    Q     |          |          |
 8+15       1.1544      3.86  |       V |    Q     |          |          |
 8+20       1.1809      3.86  |       V |    Q     |          |          |
 8+25       1.2075      3.86  |        V|    Q     |          |          |
 8+30       1.2340      3.86  |        V|    Q     |          |          |
 8+35       1.2615      4.00  |        V|    Q     |          |          |
 8+40       1.2897      4.09  |        V|     Q    |          |          |
 8+45       1.3181      4.11  |        V|     Q    |          |          |
 8+50       1.3474      4.25  |         V      Q   |          |          |
 8+55       1.3773      4.35  |         V      Q   |          |          |
 9+ 0       1.4074      4.37  |         V      Q   |          |          |
 9+ 5       1.4394      4.65  |         V       Q  |          |          |
 9+10       1.4728      4.85  |         |V       Q|          |          |
 9+15       1.5065      4.88  |         |V       Q|          |          |
 9+20       1.5411      5.02  |         |V        Q          |          |
 9+25       1.5763      5.12  |         |V        Q          |          |
 9+30       1.6117      5.14  |         | V       Q          |          |
 9+35       1.6481      5.28  |         | V       |Q         |          |
 9+40       1.6852      5.38  |         | V       |Q         |          |
 9+45       1.7223      5.40  |         | V       |Q         |          |
 9+50       1.7605      5.54  |         |  V      | Q        |          |
 9+55       1.7993      5.64  |         |  V      | Q        |          |
10+ 0       1.8382      5.65  |         |  V      | Q        |          |
10+ 5       1.8704      4.68  |         |   V   Q |          |          |
10+10       1.8979      3.99  |         |   VQ    |          |          |
10+15       1.9244      3.86  |         |   VQ    |          |          |
10+20       1.9510      3.86  |         |   VQ    |          |          |
10+25       1.9775      3.86  |         |   VQ    |          |          |
10+30       2.0041      3.86  |         |    Q    |          |          |
10+35       2.0355      4.56  |         |    V  Q |          |          |
10+40       2.0702      5.05  |         |    V    Q          |          |
10+45       2.1056      5.14  |         |    V    Q          |          |
10+50       2.1411      5.14  |         |     V   Q          |          |
10+55       2.1765      5.14  |         |     V   Q          |          |
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11+ 0       2.2119      5.14  |          |     V   Q          |          |
11+ 5       2.2463      5.00  |          |     V   Q          |          |
11+10       2.2801      4.90  |          |      V Q|          |          |
11+15       2.3137      4.88  |          |      V Q|          |          |
11+20       2.3473      4.88  |          |      V Q|          |          |
11+25       2.3810      4.88  |          |      V Q|          |          |
11+30       2.4146      4.88  |          |       VQ|          |          |
11+35       2.4463      4.60  |          |       Q |          |          |
11+40       2.4767      4.41  |          |      QV |          |          |
11+45       2.5068      4.37  |          |      QV |          |          |
11+50       2.5378      4.51  |          |       QV|          |          |
11+55       2.5696      4.61  |          |       QV|          |          |
12+ 0       2.6014      4.63  |          |       QV|          |          |
12+ 5       2.6400      5.61  |          |        V| Q        |          |
12+10       2.6834      6.30  |          |         V    Q     |          |
12+15       2.7277      6.43  |          |         V    Q     |          |
12+20       2.7729      6.57  |          |         V     Q    |          |
12+25       2.8188      6.66  |          |         |V    Q    |          |
12+30       2.8648      6.68  |          |         |V    Q    |          |
12+35       2.9128      6.96  |          |         |V     Q   |          |
12+40       2.9621      7.16  |          |         | V     Q  |          |
12+45       3.0116      7.20  |          |         | V     Q  |          |
12+50       3.0622      7.34  |          |         |  V     Q|          |
12+55       3.1134      7.44  |          |         |  V     Q|          |
13+ 0       3.1647      7.45  |          |         |  V     Q|          |
13+ 5       3.2213      8.21  |          |         |   V      | Q       |
13+10       3.2816      8.76  |          |         |   V      |    Q    |
13+15       3.3427      8.88  |          |         |    V     |    Q    |
13+20       3.4040      8.89  |          |         |    V     |    Q    |
13+25       3.4654      8.91  |          |         |     V    |    Q    |
13+30       3.5269      8.93  |          |         |     V    |    Q    |
13+35       3.5771      7.29  |          |         |     V  Q|          |
13+40       3.6193      6.13  |          |         |   Q  V   |          |
13+45       3.6600      5.91  |          |         |  Q   V   |          |
13+50       3.7007      5.91  |          |         |  Q   V   |          |
13+55       3.7414      5.91  |          |         |  Q    V  |          |
14+ 0       3.7821      5.91  |          |         |  Q    V  |          |
14+ 5       3.8267      6.47  |          |         |    Q  V  |          |
14+10       3.8740      6.87  |          |         |      Q V|          |
14+15       3.9218      6.94  |          |         |      Q V|          |
14+20       3.9686      6.80  |          |         |      Q V|          |
14+25       4.0148      6.70  |          |         |     Q   V          |
14+30       4.0608      6.68  |          |         |     Q   V          |
14+35       4.1068      6.68  |          |         |     Q   V          |
14+40       4.1529      6.68  |          |         |     Q   |V         |
14+45       4.1989      6.68  |          |         |     Q   |V         |
14+50       4.2440      6.54  |          |         |     Q   |V         |
14+55       4.2884      6.44  |          |         |    Q    | V        |
15+ 0       4.3326      6.43  |          |         |    Q    | V        |
15+ 5       4.3759      6.29  |          |         |    Q    | V        |
15+10       4.4185      6.19  |          |         |   Q     |  V       |
15+15       4.4610      6.17  |          |         |   Q     |  V       |
15+20       4.5025      6.03  |          |         |   Q     |  V       |
15+25       4.5434      5.93  |          |         |  Q      |   V      |
15+30       4.5841      5.91  |          |         |  Q      |   V      |
15+35       4.6209      5.35  |          |         |Q        |   V      |
15+40       4.6551      4.96  |          |        Q|         |    V     |
15+45       4.6887      4.88  |          |        Q|         |    V     |
15+50       4.7224      4.88  |          |        Q|         |    V     |
15+55       4.7560      4.88  |          |        Q|         |    V     |
16+ 0       4.7896      4.88  |          |        Q|         |     V    |
16+ 5       4.8088      2.78  |          |Q        |         |     V    |
16+10       4.8178      1.31  |    Q     |         |         |     V    |
16+15       4.8249      1.03  |   Q      |         |         |     V    |
16+20       4.8320      1.03  |   Q      |         |         |     V    |
16+25       4.8391      1.03  |   Q      |         |         |     V    |
16+30       4.8461      1.03  |   Q      |         |         |     V    |
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16+35       4.8523      0.89  |  Q      |         |         |     V   |
16+40       4.8577      0.79  |  Q      |         |         |     V   |
16+45       4.8630      0.77  |  Q      |         |         |     V   |
16+50       4.8683      0.77  |  Q      |         |         |     V   |
16+55       4.8736      0.77  |  Q      |         |         |     V   |
17+ 0       4.8789      0.77  |  Q      |         |         |     V   |
17+ 5       4.8862      1.05  |   Q     |         |         |     V   |
17+10       4.8948      1.25  |   Q     |         |         |     V   |
17+15       4.9036      1.29  |    Q    |         |         |     V   |
17+20       4.9125      1.29  |    Q    |         |         |     V   |
17+25       4.9213      1.29  |    Q    |         |         |      V  |
17+30       4.9302      1.29  |    Q    |         |         |      V  |
17+35       4.9390      1.29  |    Q    |         |         |      V  |
17+40       4.9479      1.29  |    Q    |         |         |      V  |
17+45       4.9567      1.29  |    Q    |         |         |      V  |
17+50       4.9646      1.15  |   Q     |         |         |      V  |
17+55       4.9718      1.05  |   Q     |         |         |      V  |
18+ 0       4.9789      1.03  |   Q     |         |         |      V  |
18+ 5       4.9860      1.03  |   Q     |         |         |      V  |
18+10       4.9931      1.03  |   Q     |         |         |      V  |
18+15       5.0002      1.03  |   Q     |         |         |      V  |
18+20       5.0072      1.03  |   Q     |         |         |      V  |
18+25       5.0143      1.03  |   Q     |         |         |      V  |
18+30       5.0214      1.03  |   Q     |         |         |      V  |
18+35       5.0275      0.89  |  Q      |         |         |      V  |
18+40       5.0330      0.79  |  Q      |         |         |      V  |
18+45       5.0383      0.77  |  Q      |         |         |      V  |
18+50       5.0426      0.63  | Q       |         |         |      V  |
18+55       5.0463      0.53  | Q       |         |         |      V  |
19+ 0       5.0498      0.51  | Q       |         |         |      V  |
19+ 5       5.0543      0.65  | Q       |         |         |       V |
19+10       5.0595      0.75  |  Q      |         |         |       V |
19+15       5.0648      0.77  |  Q      |         |         |       V |
19+20       5.0711      0.91  |  Q      |         |         |       V |
19+25       5.0781      1.01  |   Q     |         |         |       V |
19+30       5.0851      1.03  |   Q     |         |         |       V |
19+35       5.0913      0.89  |  Q      |         |         |       V |
19+40       5.0967      0.79  |  Q      |         |         |       V |
19+45       5.1020      0.77  |  Q      |         |         |       V |
19+50       5.1063      0.63  | Q       |         |         |       V |
19+55       5.1100      0.53  | Q       |         |         |       V |
20+ 0       5.1136      0.51  | Q       |         |         |       V |
20+ 5       5.1181      0.65  | Q       |         |         |       V |
20+10       5.1232      0.75  |  Q      |         |         |       V |
20+15       5.1286      0.77  |  Q      |         |         |       V |
20+20       5.1339      0.77  |  Q      |         |         |       V |
20+25       5.1392      0.77  |  Q      |         |         |       V |
20+30       5.1445      0.77  |  Q      |         |         |       V |
20+35       5.1498      0.77  |  Q      |         |         |       V |
20+40       5.1551      0.77  |  Q      |         |         |       V |
20+45       5.1604      0.77  |  Q      |         |         |       V |
20+50       5.1648      0.63  | Q       |         |         |       V |
20+55       5.1684      0.53  | Q       |         |         |       V |
21+ 0       5.1720      0.51  | Q       |         |         |       V |
21+ 5       5.1765      0.65  | Q       |         |         |       V |
21+10       5.1817      0.75  |  Q      |         |         |       V |
21+15       5.1870      0.77  |  Q      |         |         |        V|
21+20       5.1913      0.63  | Q       |         |         |        V|
21+25       5.1950      0.53  | Q       |         |         |        V|
21+30       5.1985      0.51  | Q       |         |         |        V|
21+35       5.2030      0.65  | Q       |         |         |        V|
21+40       5.2082      0.75  |  Q      |         |         |        V|
21+45       5.2135      0.77  |  Q      |         |         |        V|
21+50       5.2179      0.63  | Q       |         |         |        V|
21+55       5.2215      0.53  | Q       |         |         |        V|
22+ 0       5.2251      0.51  | Q       |         |         |        V|
22+ 5       5.2296      0.65  | Q       |         |         |        V|
```

22+10	5.2348	0.75	| Q	|	|	|	V|
22+15	5.2401	0.77	| Q	|	|	|	V|
22+20	5.2444	0.63	| Q	|	|	|	V|
22+25	5.2481	0.53	| Q	|	|	|	V|
22+30	5.2516	0.51	| Q	|	|	|	V|
22+35	5.2552	0.51	| Q	|	|	|	V|
22+40	5.2587	0.51	| Q	|	|	|	V|
22+45	5.2623	0.51	| Q	|	|	|	V|
22+50	5.2658	0.51	| Q	|	|	|	V|
22+55	5.2693	0.51	| Q	|	|	|	V|
23+ 0	5.2729	0.51	| Q	|	|	|	V|
23+ 5	5.2764	0.51	| Q	|	|	|	V|
23+10	5.2800	0.51	| Q	|	|	|	V|
23+15	5.2835	0.51	| Q	|	|	|	V|
23+20	5.2870	0.51	| Q	|	|	|	V|
23+25	5.2906	0.51	| Q	|	|	|	V|
23+30	5.2941	0.51	| Q	|	|	|	V|
23+35	5.2977	0.51	| Q	|	|	|	V|
23+40	5.3012	0.51	| Q	|	|	|	V|
23+45	5.3048	0.51	| Q	|	|	|	V|
23+50	5.3083	0.51	| Q	|	|	|	V|
23+55	5.3118	0.51	| Q	|	|	|	V|
24+ 0	5.3154	0.51	| Q	|	|	|	V|
24+ 5	5.3170	0.23	Q	|	|	|	V|
24+10	5.3172	0.04	Q	|	|	|	V|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRI1100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN I- PROPOSED UNIT HYDROGRAPH
100YR-1HR STORM

Drainage Area = 20.28(Ac.) = 0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 20.28(Ac.) = 0.032 Sq. Mi.
Length along longest watercourse = 1206.00(Ft.)
Length along longest watercourse measured to centroid = 833.00(Ft.)
Length along longest watercourse = 0.228 Mi.
Length along longest watercourse measured to centroid = 0.158 Mi.
Difference in elevation = 146.00(Ft.)
Slope along watercourse = 639.2040 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.79 Min.
25% of lag time = 0.45 Min.
40% of lag time = 0.72 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	0.55	11.15

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	1.30	26.36

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 1.300(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 1.300(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
20.280	65.10	0.754

Total Area Entered = 20.28(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
     65.1  82.1      0.221     0.754        0.071       1.000      0.071
                                                        Sum (F) =   0.071
     Area averaged mean soil loss (F) (In/Hr) =  0.199
     Minimum soil loss rate ((In/Hr)) =  0.100
     (for 24 hour storm duration)
     Note: User entry of the f value
     Soil low loss rate (decimal) =   0.297
     ------------------------------------------------------------------------
     Slope of intensity-duration curve for a 1 hour storm =0.5500
     ------------------------------------------------------------------------

                 U n i t  H y d r o g r a p h
                        VALLEY S-Curve
     ------------------------------------------------------------------------
                 Unit Hydrograph Data
     ------------------------------------------------------------------------
     Unit time period   Time % of lag   Distribution   Unit Hydrograph
         (hrs)                           Graph %           (CFS)
     ------------------------------------------------------------------------
         1   0.083        279.275         54.448             11.128
         2   0.167        558.551         38.300              7.828
         3   0.250        837.826          7.252              1.482
                                  Sum = 100.000   Sum=      20.438
-------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)          Max    |   Low        (In/Hr)
   1   0.08     3.30      0.515       (  0.199)       0.153        0.362
   2   0.17     4.20      0.655       (  0.199)       0.194        0.461
   3   0.25     4.40      0.686          0.199    (  0.204)        0.487
   4   0.33     4.80      0.749          0.199    (  0.222)        0.549
   5   0.42     5.20      0.811          0.199    (  0.241)        0.612
   6   0.50     6.20      0.967          0.199    (  0.287)        0.768
   7   0.58     6.80      1.061          0.199    (  0.315)        0.861
   8   0.67     8.80      1.373          0.199    (  0.407)        1.173
   9   0.75    13.90      2.168          0.199    (  0.643)        1.969
  10   0.83    31.40      4.897          0.199    (  1.454)        4.698
  11   0.92     7.20      1.123          0.199    (  0.333)        0.924
  12   1.00     3.80      0.593       (  0.199)       0.176        0.417
             (Loss Rate Not Used)
     Sum =     100.0                                  Sum =    13.3
       Flood volume = Effective rainfall      1.11(In)
        times area      20.3(Ac.)/[(In)/(Ft.)] =       1.9(Ac.Ft)
       Total soil loss =      0.19(In)
       Total soil loss =     0.326(Ac.Ft)
       Total rainfall =      1.30(In)
       Flood volume =       81475.7 Cubic Feet
       Total soil loss =       14208.0 Cubic Feet
       ---------------------------------------------------------------------
        Peak flow rate of this hydrograph =     69.471(CFS)
       ---------------------------------------------------------------------
       +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         1 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
       ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

       ---------------------------------------------------------------------
  Time(h+m) Volume Ac.Ft   Q(CFS)  0       17.5      35.0      52.5      70.0
  ----------------------------------------------------------------------
    0+ 5       0.0278      4.03  V Q       |         |         |         |
    0+10       0.0826      7.96  |V  Q     |         |         |         |
    0+15       0.1485      9.57  |  V Q    |         |         |         |
```

```
    0+20       0.2216     10.62  |   V Q   |          |          |          |
    0+25       0.3031     11.84  |     Q   |          |          |          |
    0+30       0.4006     14.16  |       Q |          |          |          |
    0+35       0.5143     16.51  |         QV         |          |          |
    0+40       0.6586     20.95  |          |Q  V     |          |          |
    0+45       0.8817     32.39  |          |       Q |          |          |
    0+50       1.3601     69.47  |          |         |        V |        Q |
    0+55       1.7045     50.00  |          |         |       Q  |     V    |
    1+ 0       1.8343     18.84  |          Q         |          |        V |
    1+ 5       1.8662      4.63  | Q        |         |          |        V |
    1+10       1.8704      0.62  Q          |         |          |        V |
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRI3100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN I- PROPOSED UNIT HYDROGRAPH
100YR-3HR STORM

Drainage Area = 20.28(Ac.) = 0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 20.28(Ac.) = 0.032 Sq. Mi.
Length along longest watercourse = 1206.00(Ft.)
Length along longest watercourse measured to centroid = 833.00(Ft.)
Length along longest watercourse = 0.228 Mi.
Length along longest watercourse measured to centroid = 0.158 Mi.
Difference in elevation = 146.00(Ft.)
Slope along watercourse = 639.2040 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.79 Min.
25% of lag time = 0.45 Min.
40% of lag time = 0.72 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	1.10	22.31

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	2.00	40.56

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 2.000(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
20.280	65.10	0.754

Total Area Entered = 20.28(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      65.1  82.1      0.221     0.754        0.071       1.000      0.071
                                                          Sum (F) =   0.071
      Area averaged mean soil loss (F) (In/Hr) =  0.199
      Minimum soil loss rate ((In/Hr)) =  0.100
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.297
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        279.275         54.448             11.128
          2   0.167        558.551         38.300              7.828
          3   0.250        837.826          7.252              1.482
                                    Sum = 100.000   Sum=      20.438
-------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.312	(0.199)	0.093	0.219
2	0.17	1.30	0.312	(0.199)	0.093	0.219
3	0.25	1.10	0.264	(0.199)	0.078	0.186
4	0.33	1.50	0.360	(0.199)	0.107	0.253
5	0.42	1.50	0.360	(0.199)	0.107	0.253
6	0.50	1.80	0.432	(0.199)	0.128	0.304
7	0.58	1.50	0.360	(0.199)	0.107	0.253
8	0.67	1.80	0.432	(0.199)	0.128	0.304
9	0.75	1.80	0.432	(0.199)	0.128	0.304
10	0.83	1.50	0.360	(0.199)	0.107	0.253
11	0.92	1.60	0.384	(0.199)	0.114	0.270
12	1.00	1.80	0.432	(0.199)	0.128	0.304
13	1.08	2.20	0.528	(0.199)	0.157	0.371
14	1.17	2.20	0.528	(0.199)	0.157	0.371
15	1.25	2.20	0.528	(0.199)	0.157	0.371
16	1.33	2.00	0.480	(0.199)	0.142	0.338
17	1.42	2.60	0.624	(0.199)	0.185	0.439
18	1.50	2.70	0.648	(0.199)	0.192	0.456
19	1.58	2.40	0.576	(0.199)	0.171	0.405
20	1.67	2.70	0.648	(0.199)	0.192	0.456
21	1.75	3.30	0.792	0.199	(0.235)	0.593
22	1.83	3.10	0.744	0.199	(0.221)	0.545
23	1.92	2.90	0.696	0.199	(0.207)	0.497
24	2.00	3.00	0.720	0.199	(0.214)	0.521
25	2.08	3.10	0.744	0.199	(0.221)	0.545
26	2.17	4.20	1.008	0.199	(0.299)	0.809
27	2.25	5.00	1.200	0.199	(0.356)	1.001
28	2.33	3.50	0.840	0.199	(0.249)	0.641
29	2.42	6.80	1.632	0.199	(0.484)	1.433
30	2.50	7.30	1.752	0.199	(0.520)	1.553
31	2.58	8.20	1.968	0.199	(0.584)	1.769
32	2.67	5.90	1.416	0.199	(0.420)	1.217
33	2.75	2.00	0.480	(0.199)	0.142	0.338
34	2.83	1.80	0.432	(0.199)	0.128	0.304
35	2.92	1.80	0.432	(0.199)	0.128	0.304
36	3.00	0.60	0.144	(0.199)	0.043	0.101
	(Loss Rate Not Used)					
Sum =		100.0			Sum =	18.5

```
    Flood volume = Effective rainfall      1.54(In)
     times area      20.3(Ac.)/[(In)/(Ft.)] =       2.6(Ac.Ft)
    Total soil loss =      0.46(In)
    Total soil loss =     0.775(Ac.Ft)
    Total rainfall =      2.00(In)
    Flood volume =      113459.9 Cubic Feet
    Total soil loss =       33759.9 Cubic Feet
    ----------------------------------------------------------------------
     Peak flow rate of this hydrograph =     33.977(CFS)
    ----------------------------------------------------------------------
    ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        3 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
    ----------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

    ----------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       10.0      20.0      30.0      40.0
----------------------------------------------------------------------
  0+ 5       0.0168      2.44  V Q       |         |         |         |
  0+10       0.0455      4.16  V   Q     |         |         |         |
  0+15       0.0738      4.11  |V  Q     |         |         |         |
  0+20       0.1054      4.60  |V  Q     |         |         |         |
  0+25       0.1404      5.08  | V  Q    |         |         |         |
  0+30       0.1799      5.74  | V  Q    |         |         |         |
  0+35       0.2183      5.57  |  V Q    |         |         |         |
  0+40       0.2584      5.81  |  V Q    |         |         |         |
  0+45       0.3006      6.14  |   V Q   |         |         |         |
  0+50       0.33
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRI6100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN I- PROPOSED UNIT HYDROGRAPH
100YR-6HR STORM

Drainage Area = 20.28(Ac.) = 0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 20.28(Ac.) = 0.032 Sq. Mi.
Length along longest watercourse = 1206.00(Ft.)
Length along longest watercourse measured to centroid = 833.00(Ft.)
Length along longest watercourse = 0.228 Mi.
Length along longest watercourse measured to centroid = 0.158 Mi.
Difference in elevation = 146.00(Ft.)
Slope along watercourse = 639.2040 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.79 Min.
25% of lag time = 0.45 Min.
40% of lag time = 0.72 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	1.60	32.45

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	3.00	60.84

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 3.000(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 3.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
20.280	65.10	0.754

Total Area Entered = 20.28(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      65.1  82.1      0.221     0.754        0.071       1.000      0.071
                                                          Sum (F) =   0.071
      Area averaged mean soil loss (F) (In/Hr) =  0.199
      Minimum soil loss rate ((In/Hr)) =  0.100
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.297
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        279.275         54.448             11.128
          2   0.167        558.551         38.300              7.828
          3   0.250        837.826          7.252              1.482
                                    Sum = 100.000   Sum=      20.438
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.180	(0.199)	0.053	0.127
2	0.17	0.60	0.216	(0.199)	0.064	0.152
3	0.25	0.60	0.216	(0.199)	0.064	0.152
4	0.33	0.60	0.216	(0.199)	0.064	0.152
5	0.42	0.60	0.216	(0.199)	0.064	0.152
6	0.50	0.70	0.252	(0.199)	0.075	0.177
7	0.58	0.70	0.252	(0.199)	0.075	0.177
8	0.67	0.70	0.252	(0.199)	0.075	0.177
9	0.75	0.70	0.252	(0.199)	0.075	0.177
10	0.83	0.70	0.252	(0.199)	0.075	0.177
11	0.92	0.70	0.252	(0.199)	0.075	0.177
12	1.00	0.80	0.288	(0.199)	0.085	0.203
13	1.08	0.80	0.288	(0.199)	0.085	0.203
14	1.17	0.80	0.288	(0.199)	0.085	0.203
15	1.25	0.80	0.288	(0.199)	0.085	0.203
16	1.33	0.80	0.288	(0.199)	0.085	0.203
17	1.42	0.80	0.288	(0.199)	0.085	0.203
18	1.50	0.80	0.288	(0.199)	0.085	0.203
19	1.58	0.80	0.288	(0.199)	0.085	0.203
20	1.67	0.80	0.288	(0.199)	0.085	0.203
21	1.75	0.80	0.288	(0.199)	0.085	0.203
22	1.83	0.80	0.288	(0.199)	0.085	0.203
23	1.92	0.80	0.288	(0.199)	0.085	0.203
24	2.00	0.90	0.324	(0.199)	0.096	0.228
25	2.08	0.80	0.288	(0.199)	0.085	0.203
26	2.17	0.90	0.324	(0.199)	0.096	0.228
27	2.25	0.90	0.324	(0.199)	0.096	0.228
28	2.33	0.90	0.324	(0.199)	0.096	0.228
29	2.42	0.90	0.324	(0.199)	0.096	0.228
30	2.50	0.90	0.324	(0.199)	0.096	0.228
31	2.58	0.90	0.324	(0.199)	0.096	0.228
32	2.67	0.90	0.324	(0.199)	0.096	0.228
33	2.75	1.00	0.360	(0.199)	0.107	0.253
34	2.83	1.00	0.360	(0.199)	0.107	0.253
35	2.92	1.00	0.360	(0.199)	0.107	0.253
36	3.00	1.00	0.360	(0.199)	0.107	0.253
37	3.08	1.00	0.360	(0.199)	0.107	0.253
38	3.17	1.10	0.396	(0.199)	0.118	0.278

```
39   3.25     1.10      0.396       (  0.199)       0.118        0.278
40   3.33     1.10      0.396       (  0.199)       0.118        0.278
41   3.42     1.20      0.432       (  0.199)       0.128        0.304
42   3.50     1.30      0.468       (  0.199)       0.139        0.329
43   3.58     1.40      0.504       (  0.199)       0.150        0.354
44   3.67     1.40      0.504       (  0.199)       0.150        0.354
45   3.75     1.50      0.540       (  0.199)       0.160        0.380
46   3.83     1.50      0.540       (  0.199)       0.160        0.380
47   3.92     1.60      0.576       (  0.199)       0.171        0.405
48   4.00     1.60      0.576       (  0.199)       0.171        0.405
49   4.08     1.70      0.612       (  0.199)       0.182        0.430
50   4.17     1.80      0.648       (  0.199)       0.192        0.456
51   4.25     1.90      0.684          0.199    (  0.203)        0.485
52   4.33     2.00      0.720          0.199    (  0.214)        0.521
53   4.42     2.10      0.756          0.199    (  0.224)        0.557
54   4.50     2.10      0.756          0.199    (  0.224)        0.557
55   4.58     2.20      0.792          0.199    (  0.235)        0.593
56   4.67     2.30      0.828          0.199    (  0.246)        0.629
57   4.75     2.40      0.864          0.199    (  0.256)        0.665
58   4.83     2.40      0.864          0.199    (  0.256)        0.665
59   4.92     2.50      0.900          0.199    (  0.267)        0.701
60   5.00     2.60      0.936          0.199    (  0.278)        0.737
61   5.08     3.10      1.116          0.199    (  0.331)        0.917
62   5.17     3.60      1.296          0.199    (  0.385)        1.097
63   5.25     3.90      1.404          0.199    (  0.417)        1.205
64   5.33     4.20      1.512          0.199    (  0.449)        1.313
65   5.42     4.70      1.692          0.199    (  0.502)        1.493
66   5.50     5.60      2.016          0.199    (  0.598)        1.817
67   5.58     1.90      0.684          0.199    (  0.203)        0.485
68   5.67     0.90      0.324       (  0.199)       0.096        0.228
69   5.75     0.60      0.216       (  0.199)       0.064        0.152
70   5.83     0.50      0.180       (  0.199)       0.053        0.127
71   5.92     0.30      0.108       (  0.199)       0.032        0.076
72   6.00     0.20      0.072       (  0.199)       0.021        0.051
            (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    27.2
     Flood volume = Effective rainfall      2.27(In)
      times area      20.3(Ac.)/[(In)/(Ft.)] =       3.8(Ac.Ft)
     Total soil loss =      0.73(In)
     Total soil loss =     1.237(Ac.Ft)
     Total rainfall =      3.00(In)
     Flood volume =      166958.6 Cubic Feet
     Total soil loss =       53875.2 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     33.864(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       10.0      20.0      30.0      40.0
-------------------------------------------------------------------------
  0+ 5       0.0097      1.41  VQ        |         |         |         |
  0+10       0.0282      2.68  V Q       |         |         |         |
  0+15       0.0493      3.07  V  Q      |         |         |         |
  0+20       0.0707      3.11  V  Q      |         |         |         |
  0+25       0.0921      3.11  V  Q      |         |         |         |
  0+30       0.1154      3.39  |V Q      |         |         |         |
  0+35       0.1401      3.59  |V Q      |         |         |         |
  0+40       0.1651      3.62  |V Q      |         |         |         |
  0+45       0.1900      3.62  |V Q      |         |         |         |
  0+50       0.2150      3.62  | VQ      |         |         |         |
  0+55       0.2399      3.62  | VQ      |         |         |         |
  1+ 0       0.2668      3.91  | VQ      |         |         |         |
```

```
   1+ 5       0.2951      4.10  |  VQ     |         |         |         |
   1+10       0.3236      4.14  |  VQ     |         |         |         |
   1+15       0.3521      4.14  |  VQ     |         |         |         |
   1+20       0.3807      4.14  |  VQ     |         |         |         |
   1+25       0.4092      4.14  |   Q     |         |         |         |
   1+30       0.4377      4.14  |   Q     |         |         |         |
   1+35       0.4662      4.14  |   Q     |         |         |         |
   1+40       0.4947      4.14  |   QV    |         |         |         |
   1+45       0.5233      4.14  |   QV    |         |         |         |
   1+50       0.5518      4.14  |   QV    |         |         |         |
   1+55       0.5803      4.14  |   Q V   |         |         |         |
   2+ 0       0.6108      4.42  |   Q V   |         |         |         |
   2+ 5       0.6406      4.34  |   Q V   |         |         |         |
   2+10       0.6714      4.46  |   Q  V  |         |         |         |
   2+15       0.7032      4.62  |   Q  V  |         |         |         |
   2+20       0.7353      4.66  |   Q  V  |         |         |         |
   2+25       0.7674      4.66  |   Q   V |         |         |         |
   2+30       0.7994      4.66  |   Q   V |         |         |         |
   2+35       0.8315      4.66  |   Q   V |         |         |         |
   2+40       0.8636      4.66  |   Q    V|         |         |         |
   2+45       0.8976      4.94  |   Q    V|         |         |         |
   2+50       0.9330      5.14  |    Q   V|         |         |         |
   2+55       0.9687      5.18  |    Q    V         |         |         |
   3+ 0       1.0043      5.18  |    Q    V         |         |         |
   3+ 5       1.0400      5.18  |    Q    V         |         |         |
   3+10       1.0776      5.46  |    Q    |V        |         |         |
   3+15       1.1165      5.66  |    Q    |V        |         |         |
   3+20       1.1557      5.69  |    Q    | V       |         |         |
   3+25       1.1969      5.98  |    Q    | V       |         |         |
   3+30       1.2414      6.46  |     Q   | V       |         |         |
   3+35       1.2894      6.97  |     Q   |  V      |         |         |
   3+40       1.3390      7.21  |      Q  |  V      |         |         |
   3+45       1.3909      7.53  |      Q  |   V     |         |         |
   3+50       1.4441      7.73  |      Q  |    V    |         |         |
   3+55       1.4995      8.05  |       Q |    V    |         |         |
   4+ 0       1.5563      8.24  |       Q |     V   |         |         |
   4+ 5       1.6153      8.56  |       Q |     V   |         |         |
   4+10       1.6776      9.04  |        Q|      V  |         |         |
   4+15       1.7437      9.60  |        Q|       V |         |         |
   4+20       1.8144     10.27  |         Q       V |         |         |
   4+25       1.8902     11.00  |         Q        V|         |         |
   4+30       1.9682     11.33  |         |Q        V         |         |
   4+35       2.0494     11.79  |         |Q        |V        |         |
   4+40       2.1352     12.47  |         | Q       | V       |         |
   4+45       2.2262     13.20  |         |  Q      |  V      |         |
   4+50       2.3194     13.54  |         |  Q      |   V     |         |
   4+55       2.4158     13.99  |         |  Q      |    V    |         |
   5+ 0       2.5169     14.68  |         |   Q     |     V   |         |
   5+ 5       2.6341     17.02  |         |      Q  |      V  |         |
   5+10       2.7751     20.48  |         |         Q       V |         |
   5+15       2.9360     23.36  |         |         |  Q      V         |
   5+20       3.1129     25.68  |         |         |    Q    | V       |
   5+25       3.3104     28.69  |         |         |       Q |   V     |
   5+30       3.5437     33.86  |         |         |         |  Q  V   |
   5+35       3.6941     21.84  |         |         |Q        |       V |
   5+40       3.7562      9.03  |        Q|         |         |        V|
   5+45       3.7851      4.19  |   Q     |         |         |        V|
   5+50       3.8053      2.94  | Q       |         |         |        V|
   5+55       3.8195      2.06  | Q       |         |         |        V|
   6+ 0       3.8288      1.35  |Q        |         |         |        V|
   6+ 5       3.8323      0.51  Q         |         |         |        V|
   6+10       3.8328      0.08  Q         |         |         |        V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: RVPRI24100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN I- PROPOSED UNIT HYDROGRAPH
100YR-24HR STORM

Drainage Area = 20.28(Ac.) = 0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 20.28(Ac.) = 0.032 Sq. Mi.
Length along longest watercourse = 1206.00(Ft.)
Length along longest watercourse measured to centroid = 833.00(Ft.)
Length along longest watercourse = 0.228 Mi.
Length along longest watercourse measured to centroid = 0.158 Mi.
Difference in elevation = 146.00(Ft.)
Slope along watercourse = 639.2040 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.030 Hr.
Lag time = 1.79 Min.
25% of lag time = 0.45 Min.
40% of lag time = 0.72 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	2.70	54.76

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	7.00	141.96

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 7.000(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 7.000(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
20.280	65.10	0.754

Total Area Entered = 20.28(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      65.1  82.1      0.221     0.754        0.071       1.000      0.071
                                                          Sum (F) =   0.071
      Area averaged mean soil loss (F) (In/Hr) =  0.199
      Minimum soil loss rate ((In/Hr)) =  0.100
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.297
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083        279.275         54.448             11.128
          2   0.167        558.551         38.300              7.828
          3   0.250        837.826          7.252              1.482
                                    Sum = 100.000   Sum=      20.438
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.056	(0.353)	0.017	0.039
2	0.17	0.07	0.056	(0.352)	0.017	0.039
3	0.25	0.07	0.056	(0.350)	0.017	0.039
4	0.33	0.10	0.084	(0.349)	0.025	0.059
5	0.42	0.10	0.084	(0.348)	0.025	0.059
6	0.50	0.10	0.084	(0.346)	0.025	0.059
7	0.58	0.10	0.084	(0.345)	0.025	0.059
8	0.67	0.10	0.084	(0.344)	0.025	0.059
9	0.75	0.10	0.084	(0.342)	0.025	0.059
10	0.83	0.13	0.112	(0.341)	0.033	0.079
11	0.92	0.13	0.112	(0.340)	0.033	0.079
12	1.00	0.13	0.112	(0.338)	0.033	0.079
13	1.08	0.10	0.084	(0.337)	0.025	0.059
14	1.17	0.10	0.084	(0.336)	0.025	0.059
15	1.25	0.10	0.084	(0.334)	0.025	0.059
16	1.33	0.10	0.084	(0.333)	0.025	0.059
17	1.42	0.10	0.084	(0.332)	0.025	0.059
18	1.50	0.10	0.084	(0.330)	0.025	0.059
19	1.58	0.10	0.084	(0.329)	0.025	0.059
20	1.67	0.10	0.084	(0.328)	0.025	0.059
21	1.75	0.10	0.084	(0.326)	0.025	0.059
22	1.83	0.13	0.112	(0.325)	0.033	0.079
23	1.92	0.13	0.112	(0.324)	0.033	0.079
24	2.00	0.13	0.112	(0.322)	0.033	0.079
25	2.08	0.13	0.112	(0.321)	0.033	0.079
26	2.17	0.13	0.112	(0.320)	0.033	0.079
27	2.25	0.13	0.112	(0.319)	0.033	0.079
28	2.33	0.13	0.112	(0.317)	0.033	0.079
29	2.42	0.13	0.112	(0.316)	0.033	0.079
30	2.50	0.13	0.112	(0.315)	0.033	0.079
31	2.58	0.17	0.140	(0.313)	0.042	0.098
32	2.67	0.17	0.140	(0.312)	0.042	0.098
33	2.75	0.17	0.140	(0.311)	0.042	0.098
34	2.83	0.17	0.140	(0.309)	0.042	0.098
35	2.92	0.17	0.140	(0.308)	0.042	0.098
36	3.00	0.17	0.140	(0.307)	0.042	0.098
37	3.08	0.17	0.140	(0.306)	0.042	0.098
38	3.17	0.17	0.140	(0.304)	0.042	0.098

39	3.25	0.17	0.140	(0.303)	0.042	0.098
40	3.33	0.17	0.140	(0.302)	0.042	0.098
41	3.42	0.17	0.140	(0.301)	0.042	0.098
42	3.50	0.17	0.140	(0.299)	0.042	0.098
43	3.58	0.17	0.140	(0.298)	0.042	0.098
44	3.67	0.17	0.140	(0.297)	0.042	0.098
45	3.75	0.17	0.140	(0.296)	0.042	0.098
46	3.83	0.20	0.168	(0.294)	0.050	0.118
47	3.92	0.20	0.168	(0.293)	0.050	0.118
48	4.00	0.20	0.168	(0.292)	0.050	0.118
49	4.08	0.20	0.168	(0.291)	0.050	0.118
50	4.17	0.20	0.168	(0.289)	0.050	0.118
51	4.25	0.20	0.168	(0.288)	0.050	0.118
52	4.33	0.23	0.196	(0.287)	0.058	0.138
53	4.42	0.23	0.196	(0.286)	0.058	0.138
54	4.50	0.23	0.196	(0.284)	0.058	0.138
55	4.58	0.23	0.196	(0.283)	0.058	0.138
56	4.67	0.23	0.196	(0.282)	0.058	0.138
57	4.75	0.23	0.196	(0.281)	0.058	0.138
58	4.83	0.27	0.224	(0.280)	0.066	0.158
59	4.92	0.27	0.224	(0.278)	0.066	0.158
60	5.00	0.27	0.224	(0.277)	0.066	0.158
61	5.08	0.20	0.168	(0.276)	0.050	0.118
62	5.17	0.20	0.168	(0.275)	0.050	0.118
63	5.25	0.20	0.168	(0.274)	0.050	0.118
64	5.33	0.23	0.196	(0.272)	0.058	0.138
65	5.42	0.23	0.196	(0.271)	0.058	0.138
66	5.50	0.23	0.196	(0.270)	0.058	0.138
67	5.58	0.27	0.224	(0.269)	0.066	0.158
68	5.67	0.27	0.224	(0.268)	0.066	0.158
69	5.75	0.27	0.224	(0.266)	0.066	0.158
70	5.83	0.27	0.224	(0.265)	0.066	0.158
71	5.92	0.27	0.224	(0.264)	0.066	0.158
72	6.00	0.27	0.224	(0.263)	0.066	0.158
73	6.08	0.30	0.252	(0.262)	0.075	0.177
74	6.17	0.30	0.252	(0.261)	0.075	0.177
75	6.25	0.30	0.252	(0.259)	0.075	0.177
76	6.33	0.30	0.252	(0.258)	0.075	0.177
77	6.42	0.30	0.252	(0.257)	0.075	0.177
78	6.50	0.30	0.252	(0.256)	0.075	0.177
79	6.58	0.33	0.280	(0.255)	0.083	0.197
80	6.67	0.33	0.280	(0.254)	0.083	0.197
81	6.75	0.33	0.280	(0.253)	0.083	0.197
82	6.83	0.33	0.280	(0.251)	0.083	0.197
83	6.92	0.33	0.280	(0.250)	0.083	0.197
84	7.00	0.33	0.280	(0.249)	0.083	0.197
85	7.08	0.33	0.280	(0.248)	0.083	0.197
86	7.17	0.33	0.280	(0.247)	0.083	0.197
87	7.25	0.33	0.280	(0.246)	0.083	0.197
88	7.33	0.37	0.308	(0.245)	0.091	0.217
89	7.42	0.37	0.308	(0.244)	0.091	0.217
90	7.50	0.37	0.308	(0.242)	0.091	0.217
91	7.58	0.40	0.336	(0.241)	0.100	0.236
92	7.67	0.40	0.336	(0.240)	0.100	0.236
93	7.75	0.40	0.336	(0.239)	0.100	0.236
94	7.83	0.43	0.364	(0.238)	0.108	0.256
95	7.92	0.43	0.364	(0.237)	0.108	0.256
96	8.00	0.43	0.364	(0.236)	0.108	0.256
97	8.08	0.50	0.420	(0.235)	0.125	0.295
98	8.17	0.50	0.420	(0.234)	0.125	0.295
99	8.25	0.50	0.420	(0.232)	0.125	0.295
100	8.33	0.50	0.420	(0.231)	0.125	0.295
101	8.42	0.50	0.420	(0.230)	0.125	0.295
102	8.50	0.50	0.420	(0.229)	0.125	0.295
103	8.58	0.53	0.448	(0.228)	0.133	0.315
104	8.67	0.53	0.448	(0.227)	0.133	0.315
105	8.75	0.53	0.448	(0.226)	0.133	0.315

106	8.83	0.57	0.476	(0.225)	0.141	0.335
107	8.92	0.57	0.476	(0.224)	0.141	0.335
108	9.00	0.57	0.476	(0.223)	0.141	0.335
109	9.08	0.63	0.532	(0.222)	0.158	0.374
110	9.17	0.63	0.532	(0.221)	0.158	0.374
111	9.25	0.63	0.532	(0.220)	0.158	0.374
112	9.33	0.67	0.560	(0.219)	0.166	0.394
113	9.42	0.67	0.560	(0.218)	0.166	0.394
114	9.50	0.67	0.560	(0.217)	0.166	0.394
115	9.58	0.70	0.588	(0.216)	0.175	0.413
116	9.67	0.70	0.588	(0.214)	0.175	0.413
117	9.75	0.70	0.588	(0.213)	0.175	0.413
118	9.83	0.73	0.616	(0.212)	0.183	0.433
119	9.92	0.73	0.616	(0.211)	0.183	0.433
120	10.00	0.73	0.616	(0.210)	0.183	0.433
121	10.08	0.50	0.420	(0.209)	0.125	0.295
122	10.17	0.50	0.420	(0.208)	0.125	0.295
123	10.25	0.50	0.420	(0.207)	0.125	0.295
124	10.33	0.50	0.420	(0.206)	0.125	0.295
125	10.42	0.50	0.420	(0.205)	0.125	0.295
126	10.50	0.50	0.420	(0.204)	0.125	0.295
127	10.58	0.67	0.560	(0.203)	0.166	0.394
128	10.67	0.67	0.560	(0.202)	0.166	0.394
129	10.75	0.67	0.560	(0.201)	0.166	0.394
130	10.83	0.67	0.560	(0.200)	0.166	0.394
131	10.92	0.67	0.560	(0.199)	0.166	0.394
132	11.00	0.67	0.560	(0.198)	0.166	0.394
133	11.08	0.63	0.532	(0.197)	0.158	0.374
134	11.17	0.63	0.532	(0.196)	0.158	0.374
135	11.25	0.63	0.532	(0.195)	0.158	0.374
136	11.33	0.63	0.532	(0.194)	0.158	0.374
137	11.42	0.63	0.532	(0.194)	0.158	0.374
138	11.50	0.63	0.532	(0.193)	0.158	0.374
139	11.58	0.57	0.476	(0.192)	0.141	0.335
140	11.67	0.57	0.476	(0.191)	0.141	0.335
141	11.75	0.57	0.476	(0.190)	0.141	0.335
142	11.83	0.60	0.504	(0.189)	0.150	0.354
143	11.92	0.60	0.504	(0.188)	0.150	0.354
144	12.00	0.60	0.504	(0.187)	0.150	0.354
145	12.08	0.83	0.700	0.186	(0.208)	0.514
146	12.17	0.83	0.700	0.185	(0.208)	0.515
147	12.25	0.83	0.700	0.184	(0.208)	0.516
148	12.33	0.87	0.728	0.183	(0.216)	0.545
149	12.42	0.87	0.728	0.182	(0.216)	0.546
150	12.50	0.87	0.728	0.181	(0.216)	0.547
151	12.58	0.93	0.784	0.180	(0.233)	0.604
152	12.67	0.93	0.784	0.180	(0.233)	0.604
153	12.75	0.93	0.784	0.179	(0.233)	0.605
154	12.83	0.97	0.812	0.178	(0.241)	0.634
155	12.92	0.97	0.812	0.177	(0.241)	0.635
156	13.00	0.97	0.812	0.176	(0.241)	0.636
157	13.08	1.13	0.952	0.175	(0.283)	0.777
158	13.17	1.13	0.952	0.174	(0.283)	0.778
159	13.25	1.13	0.952	0.173	(0.283)	0.779
160	13.33	1.13	0.952	0.172	(0.283)	0.780
161	13.42	1.13	0.952	0.172	(0.283)	0.780
162	13.50	1.13	0.952	0.171	(0.283)	0.781
163	13.58	0.77	0.644	0.170	(0.191)	0.474
164	13.67	0.77	0.644	0.169	(0.191)	0.475
165	13.75	0.77	0.644	0.168	(0.191)	0.476
166	13.83	0.77	0.644	0.167	(0.191)	0.477
167	13.92	0.77	0.644	0.166	(0.191)	0.478
168	14.00	0.77	0.644	0.165	(0.191)	0.478
169	14.08	0.90	0.756	0.165	(0.224)	0.591
170	14.17	0.90	0.756	0.164	(0.224)	0.592
171	14.25	0.90	0.756	0.163	(0.224)	0.593
172	14.33	0.87	0.728	0.162	(0.216)	0.566

173	14.42	0.87	0.728	0.161	(0.216)	0.567
174	14.50	0.87	0.728	0.160	(0.216)	0.568
175	14.58	0.87	0.728	0.160	(0.216)	0.568
176	14.67	0.87	0.728	0.159	(0.216)	0.569
177	14.75	0.87	0.728	0.158	(0.216)	0.570
178	14.83	0.83	0.700	0.157	(0.208)	0.543
179	14.92	0.83	0.700	0.156	(0.208)	0.544
180	15.00	0.83	0.700	0.156	(0.208)	0.544
181	15.08	0.80	0.672	0.155	(0.199)	0.517
182	15.17	0.80	0.672	0.154	(0.199)	0.518
183	15.25	0.80	0.672	0.153	(0.199)	0.519
184	15.33	0.77	0.644	0.152	(0.191)	0.492
185	15.42	0.77	0.644	0.152	(0.191)	0.492
186	15.50	0.77	0.644	0.151	(0.191)	0.493
187	15.58	0.63	0.532	0.150	(0.158)	0.382
188	15.67	0.63	0.532	0.149	(0.158)	0.383
189	15.75	0.63	0.532	0.149	(0.158)	0.383
190	15.83	0.63	0.532	0.148	(0.158)	0.384
191	15.92	0.63	0.532	0.147	(0.158)	0.385
192	16.00	0.63	0.532	0.146	(0.158)	0.386
193	16.08	0.13	0.112	(0.146)	0.033	0.079
194	16.17	0.13	0.112	(0.145)	0.033	0.079
195	16.25	0.13	0.112	(0.144)	0.033	0.079
196	16.33	0.13	0.112	(0.143)	0.033	0.079
197	16.42	0.13	0.112	(0.143)	0.033	0.079
198	16.50	0.13	0.112	(0.142)	0.033	0.079
199	16.58	0.10	0.084	(0.141)	0.025	0.059
200	16.67	0.10	0.084	(0.140)	0.025	0.059
201	16.75	0.10	0.084	(0.140)	0.025	0.059
202	16.83	0.10	0.084	(0.139)	0.025	0.059
203	16.92	0.10	0.084	(0.138)	0.025	0.059
204	17.00	0.10	0.084	(0.138)	0.025	0.059
205	17.08	0.17	0.140	(0.137)	0.042	0.098
206	17.17	0.17	0.140	(0.136)	0.042	0.098
207	17.25	0.17	0.140	(0.136)	0.042	0.098
208	17.33	0.17	0.140	(0.135)	0.042	0.098
209	17.42	0.17	0.140	(0.134)	0.042	0.098
210	17.50	0.17	0.140	(0.134)	0.042	0.098
211	17.58	0.17	0.140	(0.133)	0.042	0.098
212	17.67	0.17	0.140	(0.132)	0.042	0.098
213	17.75	0.17	0.140	(0.132)	0.042	0.098
214	17.83	0.13	0.112	(0.131)	0.033	0.079
215	17.92	0.13	0.112	(0.130)	0.033	0.079
216	18.00	0.13	0.112	(0.130)	0.033	0.079
217	18.08	0.13	0.112	(0.129)	0.033	0.079
218	18.17	0.13	0.112	(0.128)	0.033	0.079
219	18.25	0.13	0.112	(0.128)	0.033	0.079
220	18.33	0.13	0.112	(0.127)	0.033	0.079
221	18.42	0.13	0.112	(0.126)	0.033	0.079
222	18.50	0.13	0.112	(0.126)	0.033	0.079
223	18.58	0.10	0.084	(0.125)	0.025	0.059
224	18.67	0.10	0.084	(0.125)	0.025	0.059
225	18.75	0.10	0.084	(0.124)	0.025	0.059
226	18.83	0.07	0.056	(0.123)	0.017	0.039
227	18.92	0.07	0.056	(0.123)	0.017	0.039
228	19.00	0.07	0.056	(0.122)	0.017	0.039
229	19.08	0.10	0.084	(0.122)	0.025	0.059
230	19.17	0.10	0.084	(0.121)	0.025	0.059
231	19.25	0.10	0.084	(0.121)	0.025	0.059
232	19.33	0.13	0.112	(0.120)	0.033	0.079
233	19.42	0.13	0.112	(0.119)	0.033	0.079
234	19.50	0.13	0.112	(0.119)	0.033	0.079
235	19.58	0.10	0.084	(0.118)	0.025	0.059
236	19.67	0.10	0.084	(0.118)	0.025	0.059
237	19.75	0.10	0.084	(0.117)	0.025	0.059
238	19.83	0.07	0.056	(0.117)	0.017	0.039
239	19.92	0.07	0.056	(0.116)	0.017	0.039

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240  20.00     0.07      0.056       (  0.116)       0.017        0.039
241  20.08     0.10      0.084       (  0.115)       0.025        0.059
242  20.17     0.10      0.084       (  0.115)       0.025        0.059
243  20.25     0.10      0.084       (  0.114)       0.025        0.059
244  20.33     0.10      0.084       (  0.114)       0.025        0.059
245  20.42     0.10      0.084       (  0.113)       0.025        0.059
246  20.50     0.10      0.084       (  0.113)       0.025        0.059
247  20.58     0.10      0.084       (  0.112)       0.025        0.059
248  20.67     0.10      0.084       (  0.112)       0.025        0.059
249  20.75     0.10      0.084       (  0.111)       0.025        0.059
250  20.83     0.07      0.056       (  0.111)       0.017        0.039
251  20.92     0.07      0.056       (  0.110)       0.017        0.039
252  21.00     0.07      0.056       (  0.110)       0.017        0.039
253  21.08     0.10      0.084       (  0.110)       0.025        0.059
254  21.17     0.10      0.084       (  0.109)       0.025        0.059
255  21.25     0.10      0.084       (  0.109)       0.025        0.059
256  21.33     0.07      0.056       (  0.108)       0.017        0.039
257  21.42     0.07      0.056       (  0.108)       0.017        0.039
258  21.50     0.07      0.056       (  0.107)       0.017        0.039
259  21.58     0.10      0.084       (  0.107)       0.025        0.059
260  21.67     0.10      0.084       (  0.107)       0.025        0.059
261  21.75     0.10      0.084       (  0.106)       0.025        0.059
262  21.83     0.07      0.056       (  0.106)       0.017        0.039
263  21.92     0.07      0.056       (  0.106)       0.017        0.039
264  22.00     0.07      0.056       (  0.105)       0.017        0.039
265  22.08     0.10      0.084       (  0.105)       0.025        0.059
266  22.17     0.10      0.084       (  0.104)       0.025        0.059
267  22.25     0.10      0.084       (  0.104)       0.025        0.059
268  22.33     0.07      0.056       (  0.104)       0.017        0.039
269  22.42     0.07      0.056       (  0.104)       0.017        0.039
270  22.50     0.07      0.056       (  0.103)       0.017        0.039
271  22.58     0.07      0.056       (  0.103)       0.017        0.039
272  22.67     0.07      0.056       (  0.103)       0.017        0.039
273  22.75     0.07      0.056       (  0.102)       0.017        0.039
274  22.83     0.07      0.056       (  0.102)       0.017        0.039
275  22.92     0.07      0.056       (  0.102)       0.017        0.039
276  23.00     0.07      0.056       (  0.102)       0.017        0.039
277  23.08     0.07      0.056       (  0.101)       0.017        0.039
278  23.17     0.07      0.056       (  0.101)       0.017        0.039
279  23.25     0.07      0.056       (  0.101)       0.017        0.039
280  23.33     0.07      0.056       (  0.101)       0.017        0.039
281  23.42     0.07      0.056       (  0.100)       0.017        0.039
282  23.50     0.07      0.056       (  0.100)       0.017        0.039
283  23.58     0.07      0.056       (  0.100)       0.017        0.039
284  23.67     0.07      0.056       (  0.100)       0.017        0.039
285  23.75     0.07      0.056       (  0.100)       0.017        0.039
286  23.83     0.07      0.056       (  0.100)       0.017        0.039
287  23.92     0.07      0.056       (  0.100)       0.017        0.039
288  24.00     0.07      0.056       (  0.100)       0.017        0.039
          (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    61.4
     Flood volume = Effective rainfall      5.11(In)
      times area      20.3(Ac.)/[(In)/(Ft.)] =       8.6(Ac.Ft)
     Total soil loss =      1.89(In)
     Total soil loss =     3.186(Ac.Ft)
     Total rainfall =      7.00(In)
     Flood volume =      376501.1 Cubic Feet
     Total soil loss =      138793.3 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     15.968(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        24 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))
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Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0030	0.44	Q				
0+10	0.0082	0.75	VQ				
0+15	0.0137	0.81	VQ				
0+20	0.0208	1.02	V Q				
0+25	0.0289	1.18	V Q				
0+30	0.0372	1.21	V Q				
0+35	0.0455	1.21	V Q				
0+40	0.0538	1.21	V Q				
0+45	0.0622	1.21	V Q				
0+50	0.0720	1.43	V Q				
0+55	0.0829	1.58	V Q				
1+ 0	0.0940	1.61	V Q				
1+ 5	0.1035	1.39	V Q				
1+10	0.1121	1.24	V Q				
1+15	0.1204	1.21	V Q				
1+20	0.1287	1.21	V Q				
1+25	0.1370	1.21	V Q				
1+30	0.1453	1.21	V Q				
1+35	0.1537	1.21	V Q				
1+40	0.1620	1.21	V Q				
1+45	0.1703	1.21	V Q				
1+50	0.1801	1.43	V Q				
1+55	0.1910	1.58	V Q				
2+ 0	0.2021	1.61	V Q				
2+ 5	0.2132	1.61	V Q				
2+10	0.2243	1.61	|V Q				
2+15	0.2354	1.61	|V Q				
2+20	0.2465	1.61	|V Q				
2+25	0.2576	1.61	|V Q				
2+30	0.2687	1.61	|V Q				
2+35	0.2813	1.83	|V Q				
2+40	0.2949	1.98	|V Q				
2+45	0.3088	2.01	|V Q				
2+50	0.3226	2.01	|V Q				
2+55	0.3365	2.01	|V Q				
3+ 0	0.3504	2.01	|V Q				
3+ 5	0.3642	2.01	|V Q				
3+10	0.3781	2.01	|V Q				
3+15	0.3920	2.01	|V Q				
3+20	0.4058	2.01	|V Q				
3+25	0.4197	2.01	|V Q				
3+30	0.4336	2.01	| V Q				
3+35	0.4474	2.01	| V Q				
3+40	0.4613	2.01	| V Q				
3+45	0.4752	2.01	| V Q				
3+50	0.4905	2.23	| V Q				
3+55	0.5070	2.39	| V Q				
4+ 0	0.5236	2.42	| V Q				
4+ 5	0.5402	2.42	| V Q				
4+10	0.5569	2.42	| V Q				
4+15	0.5735	2.42	| V Q				
4+20	0.5917	2.63	| V Q				
4+25	0.6109	2.79	| V Q				
4+30	0.6303	2.82	| V Q				
4+35	0.6497	2.82	| V Q				
4+40	0.6691	2.82	| V Q				
4+45	0.6885	2.82	| V Q				
4+50	0.7094	3.04	| V Q				
4+55	0.7314	3.19	| V Q				
5+ 0	0.7536	3.22	| V Q				
5+ 5	0.7728	2.78	| V Q				
5+10	0.7898	2.47	| VQ				
5+15	0.8064	2.42	| VQ				
5+20	0.8246	2.63	| V Q				

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 5+25       0.8438      2.79  |  V Q    |          |          |          |
 5+30       0.8632      2.82  |  V Q    |          |          |          |
 5+35       0.8841      3.04  |   V Q   |          |          |          |
 5+40       0.9061      3.19  |   V Q   |          |          |          |
 5+45       0.9283      3.22  |   V Q   |          |          |          |
 5+50       0.9505      3.22  |   V Q   |          |          |          |
 5+55       0.9726      3.22  |   V Q   |          |          |          |
 6+ 0       0.9948      3.22  |   V Q   |          |          |          |
 6+ 5       1.0185      3.44  |   V Q   |          |          |          |
 6+10       1.0433      3.59  |   V  Q  |          |          |          |
 6+15       1.0682      3.62  |   V  Q  |          |          |          |
 6+20       1.0932      3.62  |    V Q  |          |          |          |
 6+25       1.1181      3.62  |    V Q  |          |          |          |
 6+30       1.1431      3.62  |    V Q  |          |          |          |
 6+35       1.1696      3.84  |    V Q  |          |          |          |
 6+40       1.1971      4.00  |    V Q  |          |          |          |
 6+45       1.2248      4.03  |    V  Q |          |          |          |
 6+50       1.2525      4.03  |    V  Q |          |          |          |
 6+55       1.2803      4.03  |    V  Q |          |          |          |
 7+ 0       1.3080      4.03  |     V Q |          |          |          |
 7+ 5       1.3357      4.03  |     V Q |          |          |          |
 7+10       1.3635      4.03  |     V Q |          |          |          |
 7+15       1.3912      4.03  |     V Q |          |          |          |
 7+20       1.4204      4.25  |     V Q |          |          |          |
 7+25       1.4507      4.40  |     V Q |          |          |          |
 7+30       1.4812      4.43  |     V Q |          |          |          |
 7+35       1.5132      4.65  |      V Q|          |          |          |
 7+40       1.5463      4.80  |      V Q|          |          |          |
 7+45       1.5796      4.83  |      V Q|          |          |          |
 7+50       1.6144      5.05  |      V  Q          |          |          |
 7+55       1.6502      5.20  |      V  Q          |          |          |
 8+ 0       1.6863      5.23  |      V  Q          |          |          |
 8+ 5       1.7253      5.67  |      V  |Q         |          |          |
 8+10       1.7665      5.98  |       V |Q         |          |          |
 8+15       1.8081      6.04  |       V | Q        |          |          |
 8+20       1.8497      6.04  |       V | Q        |          |          |
 8+25       1.8913      6.04  |       V | Q        |          |          |
 8+30       1.9329      6.04  |       V | Q        |          |          |
 8+35       1.9760      6.26  |        V| Q        |          |          |
 8+40       2.0202      6.41  |        V| Q        |          |          |
 8+45       2.0645      6.44  |        V| Q        |          |          |
 8+50       2.1104      6.66  |        V|  Q       |          |          |
 8+55       2.1573      6.82  |        V|  Q       |          |          |
 9+ 0       2.2045      6.84  |         V  Q       |          |          |
 9+ 5       2.2546      7.28  |         V   Q      |          |          |
 9+10       2.3069      7.59  |         V    Q     |          |          |
 9+15       2.3596      7.65  |         V    Q     |          |          |
 9+20       2.4138      7.87  |         |V   Q     |          |          |
 9+25       2.4690      8.02  |         |V    Q    |          |          |
 9+30       2.5245      8.05  |         |V    Q    |          |          |
 9+35       2.5815      8.27  |         |V    Q    |          |          |
 9+40       2.6395      8.43  |         | V   Q    |          |          |
 9+45       2.6977      8.45  |         | V   Q    |          |          |
 9+50       2.7575      8.67  |         | V    Q   |          |          |
 9+55       2.8183      8.83  |         |  V   Q   |          |          |
10+ 0       2.8793      8.86  |         |  V   Q   |          |          |
10+ 5       2.9297      7.32  |         |  VQ      |          |          |
10+10       2.9727      6.24  |         | QV       |          |          |
10+15       3.0143      6.04  |         | QV       |          |          |
10+20       3.0559      6.04  |         | Q V      |          |          |
10+25       3.0975      6.04  |         | Q V      |          |          |
10+30       3.1391      6.04  |         | Q V      |          |          |
10+35       3.1882      7.14  |         |   Q      |          |          |
10+40       3.2427      7.91  |         |    Q     |          |          |
10+45       3.2981      8.05  |         |    VQ    |          |          |
10+50       3.3536      8.05  |         |    VQ    |          |          |
10+55       3.4090      8.05  |         |    VQ    |          |          |
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11+ 0       3.4645      8.05  |          |     Q    |          |          |
11+ 5       3.5184      7.83  |          |    QV    |          |          |
11+10       3.5713      7.68  |          |    QV    |          |          |
11+15       3.6240      7.65  |          |    QV    |          |          |
11+20       3.6767      7.65  |          |    Q V   |          |          |
11+25       3.7294      7.65  |          |    Q V   |          |          |
11+30       3.7821      7.65  |          |    Q V   |          |          |
11+35       3.8317      7.21  |          |   Q  V   |          |          |
11+40       3.8793      6.90  |          |  Q   V   |          |          |
11+45       3.9264      6.84  |          |  Q    V  |          |          |
11+50       3.9751      7.06  |          |   Q   V  |          |          |
11+55       4.0248      7.22  |          |   Q   V  |          |          |
12+ 0       4.0747      7.25  |          |   Q   V  |          |          |
12+ 5       4.1368      9.02  |          |       QV |          |          |
12+10       4.2077     10.28  |          |        VQ          |          |
12+15       4.2802     10.54  |          |        V|Q         |          |
12+20       4.3551     10.87  |          |         VQ         |          |
12+25       4.4316     11.11  |          |         V Q        |          |
12+30       4.5085     11.17  |          |         V Q        |          |
12+35       4.5899     11.81  |          |         |V Q       |          |
12+40       4.6743     12.27  |          |         |V  Q      |          |
12+45       4.7595     12.37  |          |         | V Q      |          |
12+50       4.8470     12.70  |          |         | V  Q     |          |
12+55       4.9361     12.94  |          |         | V  Q     |          |
13+ 0       5.0256     13.00  |          |         |  V Q     |          |
13+ 5       5.1260     14.57  |          |         |  V     Q |          |
13+10       5.2340     15.69  |          |         |   V      |Q         |
13+15       5.3436     15.91  |          |         |   V      |Q         |
13+20       5.4533     15.93  |          |         |    V     |Q         |
13+25       5.5632     15.95  |          |         |    V     |Q         |
13+30       5.6732     15.97  |          |         |     V    |Q         |
13+35       5.7597     12.56  |          |         |    QV    |          |
13+40       5.8296     10.16  |          |         Q     V    |          |
13+45       5.8966      9.72  |          |        Q|      V   |          |
13+50       5.9637      9.74  |          |        Q|      V   |          |
13+55       6.0309      9.76  |          |        Q|      V   |          |
14+ 0       6.0982      9.78  |          |        Q|       V  |          |
14+ 5       6.1743     11.04  |          |         | Q     V  |          |
14+10       6.2564     11.93  |          |         |  Q    V  |          |
14+15       6.3399     12.12  |          |         |   Q    V|          |
14+20       6.4213     11.82  |          |         |  Q     V|          |
14+25       6.5014     11.62  |          |         |  Q      V          |
14+30       6.5812     11.60  |          |         |  Q      V          |
14+35       6.6612     11.61  |          |         |  Q      V          |
14+40       6.7413     11.63  |          |         |  Q      |V         |
14+45       6.8215     11.65  |          |         |  Q      |V         |
14+50       6.8997     11.35  |          |         | Q       |V         |
14+55       6.9765     11.15  |          |         | Q       | V        |
15+ 0       7.0531     11.12  |          |         | Q       | V        |
15+ 5       7.1276     10.83  |          |         |Q        | V        |
15+10       7.2008     10.62  |          |         |Q        |  V       |
15+15       7.2738     10.60  |          |         |Q        |  V       |
15+20       7.3448     10.30  |          |         Q         |  V       |
15+25       7.4143     10.10  |          |         Q         |   V      |
15+30       7.4837     10.08  |          |         Q         |   V      |
15+35       7.5446      8.84  |          |       Q   |       |   V      |
15+40       7.5996      7.98  |          |     Q     |       |    V     |
15+45       7.6536      7.83  |          |     Q     |       |    V     |
15+50       7.7076      7.85  |          |     Q     |       |    V     |
15+55       7.7618      7.86  |          |     Q     |       |    V     |
16+ 0       7.8160      7.88  |          |     Q     |       |     V    |
16+ 5       7.8468      4.47  |        Q |           |       |     V    |
16+10       7.8610      2.07  |   Q      |           |       |     V    |
16+15       7.8721      1.61  |  Q       |           |       |     V    |
16+20       7.8832      1.61  |  Q       |           |       |     V    |
16+25       7.8943      1.61  |  Q       |           |       |     V    |
16+30       7.9054      1.61  |  Q       |           |       |     V    |
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16+35       7.9150      1.39  | Q       |         |         |     V   |
16+40       7.9235      1.24  | Q       |         |         |     V   |
16+45       7.9318      1.21  | Q       |         |         |     V   |
16+50       7.9401      1.21  | Q       |         |         |     V   |
16+55       7.9484      1.21  | Q       |         |         |     V   |
17+ 0       7.9568      1.21  | Q       |         |         |     V   |
17+ 5       7.9681      1.65  |  Q      |         |         |     V   |
17+10       7.9816      1.95  |  Q      |         |         |     V   |
17+15       7.9954      2.01  |   Q     |         |         |      V  |
17+20       8.0093      2.01  |   Q     |         |         |      V  |
17+25       8.0232      2.01  |   Q     |         |         |      V  |
17+30       8.0370      2.01  |   Q     |         |         |      V  |
17+35       8.0509      2.01  |   Q     |         |         |      V  |
17+40       8.0647      2.01  |   Q     |         |         |      V  |
17+45       8.0786      2.01  |   Q     |         |         |      V  |
17+50       8.0910      1.79  |  Q      |         |         |      V  |
17+55       8.1023      1.64  |  Q      |         |         |      V  |
18+ 0       8.1134      1.61  |  Q      |         |         |      V  |
18+ 5       8.1244      1.61  |  Q      |         |         |      V  |
18+10       8.1355      1.61  |  Q      |         |         |      V  |
18+15       8.1466      1.61  |  Q      |         |         |      V  |
18+20       8.1577      1.61  |  Q      |         |         |      V  |
18+25       8.1688      1.61  |  Q      |         |         |      V  |
18+30       8.1799      1.61  |  Q      |         |         |      V  |
18+35       8.1895      1.39  | Q       |         |         |      V  |
18+40       8.1980      1.24  | Q       |         |         |      V  |
18+45       8.2063      1.21  | Q       |         |         |      V  |
18+50       8.2131      0.99  |Q        |         |         |       V |
18+55       8.2189      0.83  |Q        |         |         |       V |
19+ 0       8.2244      0.81  |Q        |         |         |       V |
19+ 5       8.2315      1.02  | Q       |         |         |       V |
19+10       8.2396      1.18  | Q       |         |         |       V |
19+15       8.2479      1.21  | Q       |         |         |       V |
19+20       8.2577      1.43  | Q       |         |         |       V |
19+25       8.2686      1.58  |  Q      |         |         |       V |
19+30       8.2797      1.61  |  Q      |         |         |       V |
19+35       8.2893      1.39  | Q       |         |         |       V |
19+40       8.2978      1.24  | Q       |         |         |       V |
19+45       8.3061      1.21  | Q       |         |         |       V |
19+50       8.3130      0.99  |Q        |         |         |       V |
19+55       8.3187      0.83  |Q        |         |         |       V |
20+ 0       8.3242      0.81  |Q        |         |         |       V |
20+ 5       8.3313      1.02  | Q       |         |         |       V |
20+10       8.3394      1.18  | Q       |         |         |       V |
20+15       8.3477      1.21  | Q       |         |         |       V |
20+20       8.3561      1.21  | Q       |         |         |       V |
20+25       8.3644      1.21  | Q       |         |         |       V |
20+30       8.3727      1.21  | Q       |         |         |       V |
20+35       8.3810      1.21  | Q       |         |         |       V |
20+40       8.3893      1.21  | Q       |         |         |       V |
20+45       8.3976      1.21  | Q       |         |         |       V |
20+50       8.4045      0.99  |Q        |         |         |       V |
20+55       8.4102      0.83  |Q        |         |         |       V |
21+ 0       8.4157      0.81  |Q        |         |         |       V |
21+ 5       8.4228      1.02  | Q       |         |         |       V |
21+10       8.4309      1.18  | Q       |         |         |        V|
21+15       8.4392      1.21  | Q       |         |         |        V|
21+20       8.4460      0.99  |Q        |         |         |        V|
21+25       8.4518      0.83  |Q        |         |         |        V|
21+30       8.4573      0.81  |Q        |         |         |        V|
21+35       8.4644      1.02  | Q       |         |         |        V|
21+40       8.4725      1.18  | Q       |         |         |        V|
21+45       8.4808      1.21  | Q       |         |         |        V|
21+50       8.4876      0.99  |Q        |         |         |        V|
21+55       8.4934      0.83  |Q        |         |         |        V|
22+ 0       8.4989      0.81  |Q        |         |         |        V|
22+ 5       8.5060      1.02  | Q       |         |         |        V|
```

22+10	8.5141	1.18	| Q	|	|	|	V|
22+15	8.5224	1.21	| Q	|	|	|	V|
22+20	8.5292	0.99	|Q	|	|	|	V|
22+25	8.5350	0.83	|Q	|	|	|	V|
22+30	8.5405	0.81	|Q	|	|	|	V|
22+35	8.5461	0.81	|Q	|	|	|	V|
22+40	8.5516	0.81	|Q	|	|	|	V|
22+45	8.5572	0.81	|Q	|	|	|	V|
22+50	8.5627	0.81	|Q	|	|	|	V|
22+55	8.5683	0.81	|Q	|	|	|	V|
23+ 0	8.5738	0.81	|Q	|	|	|	V|
23+ 5	8.5793	0.81	|Q	|	|	|	V|
23+10	8.5849	0.81	|Q	|	|	|	V|
23+15	8.5904	0.81	|Q	|	|	|	V|
23+20	8.5960	0.81	|Q	|	|	|	V|
23+25	8.6015	0.81	|Q	|	|	|	V|
23+30	8.6071	0.81	|Q	|	|	|	V|
23+35	8.6126	0.81	|Q	|	|	|	V|
23+40	8.6182	0.81	|Q	|	|	|	V|
23+45	8.6237	0.81	|Q	|	|	|	V|
23+50	8.6293	0.81	|Q	|	|	|	V|
23+55	8.6348	0.81	|Q	|	|	|	V|
24+ 0	8.6403	0.81	|Q	|	|	|	V|
24+ 5	8.6429	0.37	Q	|	|	|	V|
24+10	8.6433	0.06	Q	|	|	|	V|

ROUTING

DEPTH vs OUTFLOW CALCULATIONS

OUTFLOW VS DEPTH CALCULATIONS

			HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	WEIR	
		No. of Holes →	**6**	**3**	0	0	**1**	0	0	0	0	**1**	No. of Weir
			HOLE C	**HOLE C**	HOLE C	HOLE C	**HOLE C**	HOLE C	HOLE C	HOLE C	HOLE C	WEIR	
		Discharge Coefficient →	**0.6**	**0.6**	0.6	0.6	**0.6**	0.6	0.6	0.6	0.6	**3.33**	Weir Coefficient
			HOLE FL	**HOLE FL**	HOLE FL	HOLE FL	**HOLE FL**	HOLE FL	HOLE FL	HOLE FL	HOLE FL	DIST TO WEIR	
Distance of Holes from Basin Bottom (in)		→	**0**	**6**	18	40	**40**	44	48	52	56	**54**	Distance of Top of Weir from Basin Bottom (in)
			HOLE R	**HOLE R**	HOLE R	HOLE R	**HOLE R**	HOLE R	HOLE R	HOLE R	HOLE R	WEIR LENGTH FT	
		Rect. Height (in) →	**0.5**	**2**	2	6	**4**	2	2	2	2	**20.000**	**Riser Pipe Perimeter (ft) =6'X4' Riser Pipe- WEIR 1**
		Rect. Width (in) →	**1**	**2**	80	12	**9**	84	84	84	84		
			CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	WEIR ELEV	
		Hole Centerline Elev (ft) →	1074.0208	1074.583	1075.5833	1077.58333	1077.5	1077.75	1078.083	1078.4167	1078.75	**1078.5**	Top of Riser Elevation (ft)
ELEV	DEPTH	OUTFLOW											
1074.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1075.00	1	0.36	0.10	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1076.00	2	0.62	0.14	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1077.00	3	0.80	0.17	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1078.00	4	1.79	0.20	0.74	0.00	0.00	0.85	0.00	0.00	0.00	0.00	0.00	
1079.00	5	26.09	0.22	0.84	0.00	0.00	1.47	0.00	0.00	0.00	0.00	23.55	
1080.00	6	125.43	0.25	0.93	0.00	0.00	1.90	0.00	0.00	0.00	0.00	122.35	
		↑										↑	
		[Σ FLOWS (HOLES+RISER)]				(OUTFLOW THROUGH HOLES)						(FLOW OVER TOP OF WEIR 1)	

Note:

Orifice outflow is based on:

1. $Q=CA(2gH)^{0.5}$
   where:
   C = Coefficient, 0.6 used here
   A = Orifice Area
   H = Headwater

Weir flow is based on:

2. $Q=CLH^{1.5}$
   where:
   C = Coefficient, 3.33 used here
   L = Weir Length, Grate Perimeter was used here
   H = Headwater

RIO VISTA DEVELOPMENT, TR 37074
BASIN I
With 6@ 0.5"x1", 3@2"X2", 1@ 4"x9" Rectangular Orifice

STORAGE CAPACITY CALCULATION

Elevation (ft)	Contour Interval (ft)	Accumulate Depth (ft)	Area (sqft)	Area (acres)	Mean Area (acres)	Volume (ac-ft)	$Volume_{accumulat}$ (ac-ft)	$Volume_{accumulat}$ (cu-yd)	*Qout (cfs)
1074.00			28457	0.65			**0.0**	0.0	**0.00**
1075.00	1.00	**1.00**	33069	0.76	0.71	0.71	**0.71**	1139.37	**0.36**
1076.00	1.00	**2.00**	37822	0.87	0.81	0.81	**1.52**	2452.17	**0.62**
1077.00	1.00	**3.00**	42630	0.98	0.92	0.92	**2.44**	3942.02	**0.80**
1078.00	1.00	**4.00**	47548	1.09	1.04	1.04	**3.48**	5611.98	**1.79**
1079.00	1.00	**5.00**	52613	1.21	1.15	1.15	**4.63**	7466.81	**26.09**
1080.00	**1.00 SPILLWAY**	**6.00**	**57839**	**1.33**	**1.27**	**1.27**	**5.90**	**9512.22**	**125.43**

*** SEE RATING CURVE**

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRI242.rte

**********HYDROGRAPH DATA**********

Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.280 (CFS)
Total volume = 3.209 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN I- ROUTING
2YR-24HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.710	0.360	0.709	0.711
2.000	1.520	0.620	1.518	1.522
3.000	2.440	0.800	2.437	2.443
4.000	3.480	1.790	3.474	3.486
5.000	4.630	26.090	4.540	4.720

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.3	2.64	3.96	5.28	Depth (Ft.)
0.083	0.17	0.00	0.001	OI	|	|	|	|	0.00
0.167	0.29	0.00	0.002	OI	|	|	|	|	0.00
0.250	0.31	0.00	0.004	OI	|	|	|	|	0.01
0.333	0.40	0.00	0.007	O I	|	|	|	|	0.01
0.417	0.45	0.00	0.010	O I	|	|	|	|	0.01

0.500	0.47	0.01	0.013	O I	|	|	|	0.02
0.583	0.47	0.01	0.016	O I	|	|	|	0.02
0.667	0.47	0.01	0.019	O I	|	|	|	0.03
0.750	0.47	0.01	0.022	O I	|	|	|	0.03
0.833	0.55	0.01	0.026	O I	|	|	|	0.04
0.917	0.61	0.01	0.029	O I	|	|	|	0.04
1.000	0.62	0.02	0.034	O I	|	|	|	0.05
1.083	0.54	0.02	0.037	O I	|	|	|	0.05
1.167	0.48	0.02	0.041	O I	|	|	|	0.06
1.250	0.47	0.02	0.044	O I	|	|	|	0.06
1.333	0.47	0.02	0.047	O I	|	|	|	0.07
1.417	0.47	0.03	0.050	O I	|	|	|	0.07
1.500	0.47	0.03	0.053	O I	|	|	|	0.07
1.583	0.47	0.03	0.056	O I	|	|	|	0.08
1.667	0.47	0.03	0.059	O I	|	|	|	0.08
1.750	0.47	0.03	0.062	O I	|	|	|	0.09
1.833	0.55	0.03	0.065	O I	|	|	|	0.09
1.917	0.61	0.04	0.069	O I	|	|	|	0.10
2.000	0.62	0.04	0.073	O I	|	|	|	0.10
2.083	0.62	0.04	0.077	O I	|	|	|	0.11
2.167	0.62	0.04	0.081	O I	|	|	|	0.11
2.250	0.62	0.04	0.085	O I	|	|	|	0.12
2.333	0.62	0.05	0.089	O I	|	|	|	0.13
2.417	0.62	0.05	0.093	O I	|	|	|	0.13
2.500	0.62	0.05	0.097	O I	|	|	|	0.14
2.583	0.71	0.05	0.101	O I	|	|	|	0.14
2.667	0.77	0.05	0.106	O I	|	|	|	0.15
2.750	0.78	0.06	0.111	O I	|	|	|	0.16
2.833	0.78	0.06	0.116	O I	|	|	|	0.16
2.917	0.78	0.06	0.121	O I	|	|	|	0.17
3.000	0.78	0.06	0.126	O I	|	|	|	0.18
3.083	0.78	0.07	0.130	O I	|	|	|	0.18
3.167	0.78	0.07	0.135	O I	|	|	|	0.19
3.250	0.78	0.07	0.140	O I	|	|	|	0.20
3.333	0.78	0.07	0.145	O I	|	|	|	0.20
3.417	0.78	0.08	0.150	O I	|	|	|	0.21
3.500	0.78	0.08	0.155	O I	|	|	|	0.22
3.583	0.78	0.08	0.160	O I	|	|	|	0.22
3.667	0.78	0.08	0.164	O I	|	|	|	0.23
3.750	0.78	0.09	0.169	O I	|	|	|	0.24
3.833	0.86	0.09	0.174	O I	|	|	|	0.25
3.917	0.92	0.09	0.180	O I	|	|	|	0.25
4.000	0.93	0.09	0.185	O I	|	|	|	0.26
4.083	0.93	0.10	0.191	O I	|	|	|	0.27
4.167	0.93	0.10	0.197	O I	|	|	|	0.28
4.250	0.93	0.10	0.203	O I	|	|	|	0.29
4.333	1.02	0.11	0.209	O I	|	|	|	0.29
4.417	1.08	0.11	0.215	O I	|	|	|	0.30
4.500	1.09	0.11	0.222	O I	|	|	|	0.31
4.583	1.09	0.12	0.228	O I	|	|	|	0.32
4.667	1.09	0.12	0.235	O I	|	|	|	0.33
4.750	1.09	0.12	0.242	O I	|	|	|	0.34
4.833	1.17	0.13	0.249	O I	|	|	|	0.35
4.917	1.23	0.13	0.256	O I	|	|	|	0.36
5.000	1.24	0.13	0.264	O I	|	|	|	0.37
5.083	1.07	0.14	0.271	O I	|	|	|	0.38
5.167	0.95	0.14	0.277	O I	|	|	|	0.39
5.250	0.93	0.14	0.282	O I	|	|	|	0.40
5.333	1.02	0.15	0.288	O I	|	|	|	0.41
5.417	1.08	0.15	0.294	O I	|	|	|	0.41
5.500	1.09	0.15	0.301	O I	|	|	|	0.42
5.583	1.17	0.16	0.307	O I	|	|	|	0.43
5.667	1.23	0.16	0.314	O I	|	|	|	0.44
5.750	1.24	0.16	0.322	O I	|	|	|	0.45
5.833	1.24	0.17	0.329	|O I	|	|	|	0.46
5.917	1.24	0.17	0.337	|O I	|	|	|	0.47
6.000	1.24	0.17	0.344	|O I	|	|	|	0.48

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 6.083    1.33    0.18      0.352  |O      I       |       |       |     0.50
 6.167    1.39    0.18      0.360  |O      I       |       |       |     0.51
 6.250    1.40    0.19      0.368  |O      I       |       |       |     0.52
 6.333    1.40    0.19      0.376  |O      I       |       |       |     0.53
 6.417    1.40    0.20      0.385  |O      I       |       |       |     0.54
 6.500    1.40    0.20      0.393  |O      I       |       |       |     0.55
 6.583    1.48    0.20      0.402  |O      I       |       |       |     0.57
 6.667    1.54    0.21      0.411  |O      |I      |       |       |     0.58
 6.750    1.55    0.21      0.420  |O      |I      |       |       |     0.59
 6.833    1.55    0.22      0.429  |O      |I      |       |       |     0.60
 6.917    1.55    0.22      0.438  |O      |I      |       |       |     0.62
 7.000    1.55    0.23      0.447  |O      |I      |       |       |     0.63
 7.083    1.55    0.23      0.456  |O      |I      |       |       |     0.64
 7.167    1.55    0.24      0.465  |O      |I      |       |       |     0.66
 7.250    1.55    0.24      0.475  |O      |I      |       |       |     0.67
 7.333    1.64    0.25      0.484  |O      |I      |       |       |     0.68
 7.417    1.70    0.25      0.494  |O      | I     |       |       |     0.70
 7.500    1.71    0.26      0.504  |O      | I     |       |       |     0.71
 7.583    1.79    0.26      0.514  |O      | I     |       |       |     0.72
 7.667    1.85    0.27      0.525  |O      |  I    |       |       |     0.74
 7.750    1.86    0.27      0.536  |O      |  I    |       |       |     0.75
 7.833    1.95    0.28      0.547  |O      |  I    |       |       |     0.77
 7.917    2.01    0.28      0.559  |O      |   I   |       |       |     0.79
 8.000    2.02    0.29      0.570  |O      |   I   |       |       |     0.80
 8.083    2.19    0.30      0.583  |O      |    I  |       |       |     0.82
 8.167    2.31    0.30      0.596  |O      |    I  |       |       |     0.84
 8.250    2.33    0.31      0.610  |O      |     I |       |       |     0.86
 8.333    2.33    0.32      0.624  |O      |     I |       |       |     0.88
 8.417    2.33    0.32      0.638  |O      |     I |       |       |     0.90
 8.500    2.33    0.33      0.652  | O     |     I |       |       |     0.92
 8.583    2.41    0.34      0.666  | O     |     I |       |       |     0.94
 8.667    2.47    0.34      0.680  | O     |     I |       |       |     0.96
 8.750    2.48    0.35      0.695  | O     |      I|       |       |     0.98
 8.833    2.57    0.36      0.710  | O     |      I|       |       |     1.00
 8.917    2.63    0.36      0.725  | O     |      I|       |       |     1.02
 9.000    2.64    0.37      0.741  | O     |      I|       |       |     1.04
 9.083    2.81    0.38      0.757  | O     |       |I      |       |     1.06
 9.167    2.93    0.38      0.774  | O     |       |I      |       |     1.08
 9.250    2.95    0.39      0.792  | O     |       |I      |       |     1.10
 9.333    3.04    0.39      0.810  | O     |       | I     |       |     1.12
 9.417    3.09    0.40      0.828  | O     |       | I     |       |     1.15
 9.500    3.11    0.40      0.847  | O     |       | I     |       |     1.17
 9.583    3.19    0.41      0.866  | O     |       |  I    |       |     1.19
 9.667    3.25    0.42      0.885  | O     |       |  I    |       |     1.22
 9.750    3.26    0.42      0.904  | O     |       |  I    |       |     1.24
 9.833    3.35    0.43      0.924  | O     |       |   I   |       |     1.26
 9.917    3.41    0.44      0.945  | O     |       |   I   |       |     1.29
10.000    3.42    0.44      0.965  | O     |       |   I   |       |     1.31
10.083    2.82    0.45      0.983  | O     |       |I      |       |     1.34
10.167    2.41    0.45      0.998  | O     |     I |       |       |     1.36
10.250    2.33    0.46      1.012  | O     |     I |       |       |     1.37
10.333    2.33    0.46      1.024  | O     |     I |       |       |     1.39
10.417    2.33    0.47      1.037  | O     |     I |       |       |     1.40
10.500    2.33    0.47      1.050  | O     |     I |       |       |     1.42
10.583    2.75    0.47      1.064  | O     |       I       |       |     1.44
10.667    3.05    0.48      1.081  | O     |       | I     |       |     1.46
10.750    3.11    0.48      1.099  | O     |       | I     |       |     1.48
10.833    3.11    0.49      1.117  | O     |       | I     |       |     1.50
10.917    3.11    0.50      1.135  |  O    |       | I     |       |     1.52
11.000    3.11    0.50      1.153  |  O    |       | I     |       |     1.55
11.083    3.02    0.51      1.171  |  O    |       | I     |       |     1.57
11.167    2.96    0.51      1.188  |  O    |       |I      |       |     1.59
11.250    2.95    0.52      1.204  |  O    |       |I      |       |     1.61
11.333    2.95    0.52      1.221  |  O    |       |I      |       |     1.63
11.417    2.95    0.53      1.238  |  O    |       |I      |       |     1.65
11.500    2.95    0.53      1.254  |  O    |       |I      |       |     1.67
11.583    2.78    0.54      1.271  |  O    |       I       |       |     1.69
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11.667	2.66	0.54	1.286	O	I				1.71
11.750	2.64	0.55	1.300	O	I				1.73
11.833	2.72	0.55	1.315	O	I				1.75
11.917	2.78	0.56	1.330	O	I				1.77
12.000	2.80	0.56	1.345	O	I				1.78
12.083	3.39	0.57	1.363	O	I				1.81
12.167	3.80	0.58	1.383	O	I				1.83
12.250	3.88	0.58	1.406	O	I				1.86
12.333	3.97	0.59	1.429	O	I				1.89
12.417	4.03	0.60	1.452	O	I				1.92
12.500	4.04	0.61	1.476	O	I				1.95
12.583	4.21	0.61	1.500	O	I				1.98
12.667	4.33	0.62	1.525	O	I				2.01
12.750	4.35	0.63	1.551	O	I				2.03
12.833	4.43	0.63	1.577	O	I				2.06
12.917	4.49	0.64	1.603	O	I				2.09
13.000	4.50	0.64	1.630	O	I				2.12
13.083	4.93	0.65	1.658	O	I				2.15
13.167	5.22	0.65	1.688	O	I				2.18
13.250	5.28	0.66	1.720	O	I				2.22
13.333	5.28	0.67	1.752	O	I				2.25
13.417	5.28	0.67	1.783	O	I				2.29
13.500	5.28	0.68	1.815	O	I				2.32
13.583	4.35	0.68	1.844	O	I				2.35
13.667	3.70	0.69	1.867	O	I				2.38
13.750	3.57	0.69	1.887	O	I				2.40
13.833	3.57	0.70	1.907	O	I				2.42
13.917	3.57	0.70	1.926	O	I				2.44
14.000	3.57	0.70	1.946	O	I				2.46
14.083	3.91	0.71	1.967	O	I				2.49
14.167	4.15	0.71	1.990	O	I				2.51
14.250	4.19	0.72	2.014	O	I				2.54
14.333	4.11	0.72	2.037	O	I				2.56
14.417	4.05	0.73	2.061	O	I				2.59
14.500	4.04	0.73	2.083	O	I				2.61
14.583	4.04	0.73	2.106	O	I				2.64
14.667	4.04	0.74	2.129	O	I				2.66
14.750	4.04	0.74	2.152	O	I				2.69
14.833	3.95	0.75	2.174	O	I				2.71
14.917	3.89	0.75	2.196	O	I				2.73
15.000	3.88	0.76	2.217	O	I				2.76
15.083	3.80	0.76	2.239	O	I				2.78
15.167	3.74	0.76	2.259	O	I				2.80
15.250	3.73	0.77	2.280	O	I				2.83
15.333	3.64	0.77	2.300	O	I				2.85
15.417	3.58	0.78	2.319	O	I				2.87
15.500	3.57	0.78	2.339	O	I				2.89
15.583	3.23	0.78	2.357	O	I				2.91
15.667	3.00	0.79	2.373	O	I				2.93
15.750	2.95	0.79	2.388	O	I				2.94
15.833	2.95	0.79	2.403	O	I				2.96
15.917	2.95	0.80	2.417	O	I				2.98
16.000	2.95	0.80	2.432	O	I				2.99
16.083	1.68	0.80	2.443	O	I				3.00
16.167	0.79	0.81	2.446	O					3.01
16.250	0.62	**0.80**	**2.445**	**IO**					**3.00**
16.333	0.62	0.80	2.444	IO					3.00
16.417	0.62	0.80	2.443	IO					3.00
16.500	0.62	0.80	2.441	IO					3.00
16.583	0.54	0.80	2.440	IO					3.00
16.667	0.48	0.80	2.438	I O					3.00
16.750	0.47	0.80	2.435	I O					3.00
16.833	0.47	0.80	2.433	I O					2.99
16.917	0.47	0.80	2.431	I O					2.99
17.000	0.47	0.80	2.429	I O					2.99
17.083	0.63	0.80	2.427	IO					2.99
17.167	0.75	0.80	2.426	O					2.98

17.250	0.78	0.80	2.426	O				2.98
17.333	0.78	0.80	2.426	O				2.98
17.417	0.78	0.80	2.426	O				2.98
17.500	0.78	0.80	2.426	O				2.98
17.583	0.78	0.80	2.425	O				2.98
17.667	0.78	0.80	2.425	O				2.98
17.750	0.78	0.80	2.425	O				2.98
17.833	0.69	0.80	2.425	O				2.98
17.917	0.63	0.80	2.424	IO				2.98
18.000	0.62	0.80	2.423	IO				2.98
18.083	0.62	0.80	2.421	IO				2.98
18.167	0.62	0.80	2.420	IO				2.98
18.250	0.62	0.80	2.419	IO				2.98
18.333	0.62	0.80	2.418	IO				2.98
18.417	0.62	0.80	2.417	IO				2.97
18.500	0.62	0.80	2.415	IO				2.97
18.583	0.54	0.79	2.414	IO				2.97
18.667	0.48	0.79	2.412	I O				2.97
18.750	0.47	0.79	2.410	I O				2.97
18.833	0.38	0.79	2.407	I O				2.96
18.917	0.32	0.79	2.404	I O				2.96
19.000	0.31	0.79	2.401	I O				2.96
19.083	0.40	0.79	2.398	I O				2.95
19.167	0.45	0.79	2.395	I O				2.95
19.250	0.47	0.79	2.393	I O				2.95
19.333	0.55	0.79	2.391	IO				2.95
19.417	0.61	0.79	2.390	IO				2.95
19.500	0.62	0.79	2.388	IO				2.94
19.583	0.54	0.79	2.387	IO				2.94
19.667	0.48	0.79	2.385	I O				2.94
19.750	0.47	0.79	2.383	I O				2.94
19.833	0.38	0.79	2.380	I O				2.94
19.917	0.32	0.79	2.377	I O				2.93
20.000	0.31	0.79	2.374	I O				2.93
20.083	0.40	0.79	2.371	I O				2.93
20.167	0.45	0.79	2.369	I O				2.92
20.250	0.47	0.79	2.366	I O				2.92
20.333	0.47	0.79	2.364	I O				2.92
20.417	0.47	0.78	2.362	I O				2.92
20.500	0.47	0.78	2.360	I O				2.91
20.583	0.47	0.78	2.358	I O				2.91
20.667	0.47	0.78	2.355	I O				2.91
20.750	0.47	0.78	2.353	I O				2.91
20.833	0.38	0.78	2.351	I O				2.90
20.917	0.32	0.78	2.348	I O				2.90
21.000	0.31	0.78	2.345	I O				2.90
21.083	0.40	0.78	2.342	I O				2.89
21.167	0.45	0.78	2.339	I O				2.89
21.250	0.47	0.78	2.337	I O				2.89
21.333	0.38	0.78	2.334	I O				2.89
21.417	0.32	0.78	2.332	I O				2.88
21.500	0.31	0.78	2.328	I O				2.88
21.583	0.40	0.78	2.325	I O				2.88
21.667	0.45	0.78	2.323	I O				2.87
21.750	0.47	0.78	2.321	I O				2.87
21.833	0.38	0.78	2.318	I O				2.87
21.917	0.32	0.78	2.315	I O				2.86
22.000	0.31	0.78	2.312	I O				2.86
22.083	0.40	0.77	2.309	I O				2.86
22.167	0.45	0.77	2.307	I O				2.86
22.250	0.47	0.77	2.305	I O				2.85
22.333	0.38	0.77	2.302	I O				2.85
22.417	0.32	0.77	2.300	I O				2.85
22.500	0.31	0.77	2.296	I O				2.84
22.583	0.31	0.77	2.293	I O				2.84
22.667	0.31	0.77	2.290	I O				2.84
22.750	0.31	0.77	2.287	I O				2.83

22.833	0.31	0.77	2.284	I O				2.83
22.917	0.31	0.77	2.281	I O				2.83
23.000	0.31	0.77	2.277	I O				2.82
23.083	0.31	0.77	2.274	I O				2.82
23.167	0.31	0.77	2.271	I O				2.82
23.250	0.31	0.77	2.268	I O				2.81
23.333	0.31	0.77	2.265	I O				2.81
23.417	0.31	0.77	2.262	I O				2.81
23.500	0.31	0.76	2.259	I O				2.80
23.583	0.31	0.76	2.255	I O				2.80
23.667	0.31	0.76	2.252	I O				2.80
23.750	0.31	0.76	2.249	I O				2.79
23.833	0.31	0.76	2.246	I O				2.79
23.917	0.31	0.76	2.243	I O				2.79
24.000	0.31	0.76	2.240	I O				2.78
24.083	0.14	0.76	2.236	I O				2.78
24.167	0.02	0.76	2.232	I O				2.77
24.250	0.00	0.76	2.226	I O				2.77
24.333	0.00	0.76	2.221	I O				2.76
24.417	0.00	0.76	2.216	I O				2.76
24.500	0.00	0.76	2.211	I O				2.75
24.583	0.00	0.75	2.206	I O				2.75
24.667	0.00	0.75	2.200	I O				2.74
24.750	0.00	0.75	2.195	I O				2.73
24.833	0.00	0.75	2.190	I O				2.73
24.917	0.00	0.75	2.185	I O				2.72
25.000	0.00	0.75	2.180	I O				2.72
25.083	0.00	0.75	2.175	I O				2.71
25.167	0.00	0.75	2.169	I O				2.71
25.250	0.00	0.75	2.164	I O				2.70
25.333	0.00	0.75	2.159	I O				2.69
25.417	0.00	0.74	2.154	I O				2.69
25.500	0.00	0.74	2.149	I O				2.68
25.583	0.00	0.74	2.144	I O				2.68
25.667	0.00	0.74	2.139	I O				2.67
25.750	0.00	0.74	2.134	I O				2.67
25.833	0.00	0.74	2.128	I O				2.66
25.917	0.00	0.74	2.123	I O				2.66
26.000	0.00	0.74	2.118	I O				2.65
26.083	0.00	0.74	2.113	I O				2.64
26.167	0.00	0.74	2.108	I O				2.64
26.250	0.00	0.73	2.103	I O				2.63
26.333	0.00	0.73	2.098	I O				2.63
26.417	0.00	0.73	2.093	I O				2.62
26.500	0.00	0.73	2.088	I O				2.62
26.583	0.00	0.73	2.083	I O				2.61
26.667	0.00	0.73	2.078	I O				2.61
26.750	0.00	0.73	2.073	I O				2.60
26.833	0.00	0.73	2.068	I O				2.60
26.917	0.00	0.73	2.063	I O				2.59
27.000	0.00	0.73	2.058	I O				2.58
27.083	0.00	0.72	2.053	I O				2.58
27.167	0.00	0.72	2.048	I O				2.57
27.250	0.00	0.72	2.043	I O				2.57
27.333	0.00	0.72	2.038	I O				2.56
27.417	0.00	0.72	2.033	I O				2.56
27.500	0.00	0.72	2.028	I O				2.55
27.583	0.00	0.72	2.023	I O				2.55
27.667	0.00	0.72	2.018	I O				2.54
27.750	0.00	0.72	2.013	I O				2.54
27.833	0.00	0.72	2.008	I O				2.53
27.917	0.00	0.71	2.003	I O				2.53
28.000	0.00	0.71	1.998	I O				2.52
28.083	0.00	0.71	1.993	I O				2.51
28.167	0.00	0.71	1.989	I O				2.51
28.250	0.00	0.71	1.984	I O				2.50
28.333	0.00	0.71	1.979	I O				2.50

28.417	0.00	0.71	1.974	I	O	|	|	|	|	2.49
28.500	0.00	0.71	1.969	I	O	|	|	|	|	2.49
28.583	0.00	0.71	1.964	I	O	|	|	|	|	2.48
28.667	0.00	0.71	1.959	I	O	|	|	|	|	2.48
28.750	0.00	0.70	1.954	I	O	|	|	|	|	2.47
28.833	0.00	0.70	1.950	I	O	|	|	|	|	2.47
28.917	0.00	0.70	1.945	I	O	|	|	|	|	2.46
29.000	0.00	0.70	1.940	I	O	|	|	|	|	2.46
29.083	0.00	0.70	1.935	I	O	|	|	|	|	2.45
29.167	0.00	0.70	1.930	I	O	|	|	|	|	2.45
29.250	0.00	0.70	1.925	I	O	|	|	|	|	2.44
29.333	0.00	0.70	1.921	I	O	|	|	|	|	2.44
29.417	0.00	0.70	1.916	I	O	|	|	|	|	2.43
29.500	0.00	0.70	1.911	I	O	|	|	|	|	2.42
29.583	0.00	0.70	1.906	I	O	|	|	|	|	2.42
29.667	0.00	0.69	1.901	I	O	|	|	|	|	2.41
29.750	0.00	0.69	1.897	I	O	|	|	|	|	2.41
29.833	0.00	0.69	1.892	I	O	|	|	|	|	2.40
29.917	0.00	0.69	1.887	I	O	|	|	|	|	2.40
30.000	0.00	0.69	1.882	I	O	|	|	|	|	2.39
30.083	0.00	0.69	1.878	I	O	|	|	|	|	2.39
30.167	0.00	0.69	1.873	I	O	|	|	|	|	2.38
30.250	0.00	0.69	1.868	I	O	|	|	|	|	2.38
30.333	0.00	0.69	1.863	I	O	|	|	|	|	2.37
30.417	0.00	0.69	1.859	I	O	|	|	|	|	2.37
30.500	0.00	0.69	1.854	I	O	|	|	|	|	2.36
30.583	0.00	0.68	1.849	I	O	|	|	|	|	2.36
30.667	0.00	0.68	1.844	I	O	|	|	|	|	2.35
30.750	0.00	0.68	1.840	I	O	|	|	|	|	2.35
30.833	0.00	0.68	1.835	I	O	|	|	|	|	2.34
30.917	0.00	0.68	1.830	I	O	|	|	|	|	2.34
31.000	0.00	0.68	1.826	I	O	|	|	|	|	2.33
31.083	0.00	0.68	1.821	I	O	|	|	|	|	2.33
31.167	0.00	0.68	1.816	I	O	|	|	|	|	2.32
31.250	0.00	0.68	1.812	I	O	|	|	|	|	2.32
31.333	0.00	0.68	1.807	I	O	|	|	|	|	2.31
31.417	0.00	0.68	1.802	I	O	|	|	|	|	2.31
31.500	0.00	0.67	1.798	I	O	|	|	|	|	2.30
31.583	0.00	0.67	1.793	I	O	|	|	|	|	2.30
31.667	0.00	0.67	1.788	I	O	|	|	|	|	2.29
31.750	0.00	0.67	1.784	I	O	|	|	|	|	2.29
31.833	0.00	0.67	1.779	I	O	|	|	|	|	2.28
31.917	0.00	0.67	1.775	I	O	|	|	|	|	2.28
32.000	0.00	0.67	1.770	I	O	|	|	|	|	2.27
32.083	0.00	0.67	1.765	I	O	|	|	|	|	2.27
32.167	0.00	0.67	1.761	I	O	|	|	|	|	2.26
32.250	0.00	0.67	1.756	I	O	|	|	|	|	2.26
32.333	0.00	0.67	1.752	I	O	|	|	|	|	2.25
32.417	0.00	0.66	1.747	I	O	|	|	|	|	2.25
32.500	0.00	0.66	1.742	I	O	|	|	|	|	2.24
32.583	0.00	0.66	1.738	I	O	|	|	|	|	2.24
32.667	0.00	0.66	1.733	I	O	|	|	|	|	2.23
32.750	0.00	0.66	1.729	I	O	|	|	|	|	2.23
32.833	0.00	0.66	1.724	I	O	|	|	|	|	2.22
32.917	0.00	0.66	1.720	I	O	|	|	|	|	2.22
33.000	0.00	0.66	1.715	I	O	|	|	|	|	2.21
33.083	0.00	0.66	1.711	I	O	|	|	|	|	2.21
33.167	0.00	0.66	1.706	I	O	|	|	|	|	2.20
33.250	0.00	0.66	1.702	I	O	|	|	|	|	2.20
33.333	0.00	0.65	1.697	I	O	|	|	|	|	2.19
33.417	0.00	0.65	1.693	I	O	|	|	|	|	2.19
33.500	0.00	0.65	1.688	I	O	|	|	|	|	2.18
33.583	0.00	0.65	1.684	I	O	|	|	|	|	2.18
33.667	0.00	0.65	1.679	I	O	|	|	|	|	2.17
33.750	0.00	0.65	1.675	I	O	|	|	|	|	2.17
33.833	0.00	0.65	1.670	I	O	|	|	|	|	2.16
33.917	0.00	0.65	1.666	I	O	|	|	|	|	2.16

34.000	0.00	0.65	1.661	I	O	|	|	|	|	2.15
34.083	0.00	0.65	1.657	I	O	|	|	|	|	2.15
34.167	0.00	0.65	1.652	I	O	|	|	|	|	2.14
34.250	0.00	0.65	1.648	I	O	|	|	|	|	2.14
34.333	0.00	0.64	1.643	I	O	|	|	|	|	2.13
34.417	0.00	0.64	1.639	I	O	|	|	|	|	2.13
34.500	0.00	0.64	1.634	I	O	|	|	|	|	2.12
34.583	0.00	0.64	1.630	I	O	|	|	|	|	2.12
34.667	0.00	0.64	1.626	I	O	|	|	|	|	2.11
34.750	0.00	0.64	1.621	I	O	|	|	|	|	2.11
34.833	0.00	0.64	1.617	I	O	|	|	|	|	2.11
34.917	0.00	0.64	1.612	I	O	|	|	|	|	2.10
35.000	0.00	0.64	1.608	I	O	|	|	|	|	2.10
35.083	0.00	0.64	1.604	I	O	|	|	|	|	2.09
35.167	0.00	0.64	1.599	I	O	|	|	|	|	2.09
35.250	0.00	0.63	1.595	I	O	|	|	|	|	2.08
35.333	0.00	0.63	1.591	I	O	|	|	|	|	2.08
35.417	0.00	0.63	1.586	I	O	|	|	|	|	2.07
35.500	0.00	0.63	1.582	I	O	|	|	|	|	2.07
35.583	0.00	0.63	1.577	I	O	|	|	|	|	2.06
35.667	0.00	0.63	1.573	I	O	|	|	|	|	2.06
35.750	0.00	0.63	1.569	I	O	|	|	|	|	2.05
35.833	0.00	0.63	1.564	I	O	|	|	|	|	2.05
35.917	0.00	0.63	1.560	I	O	|	|	|	|	2.04
36.000	0.00	0.63	1.556	I	O	|	|	|	|	2.04
36.083	0.00	0.63	1.552	I	O	|	|	|	|	2.03
36.167	0.00	0.63	1.547	I	O	|	|	|	|	2.03
36.250	0.00	0.62	1.543	I	O	|	|	|	|	2.02
36.333	0.00	0.62	1.539	I	O	|	|	|	|	2.02
36.417	0.00	0.62	1.534	I	O	|	|	|	|	2.02
36.500	0.00	0.62	1.530	I	O	|	|	|	|	2.01
36.583	0.00	0.62	1.526	I	O	|	|	|	|	2.01
36.667	0.00	0.62	1.521	I	O	|	|	|	|	2.00
36.750	0.00	0.62	1.517	I	O	|	|	|	|	2.00
36.833	0.00	0.62	1.513	I	O	|	|	|	|	1.99
36.917	0.00	0.62	1.509	I	O	|	|	|	|	1.99
37.000	0.00	0.62	1.504	I	O	|	|	|	|	1.98
37.083	0.00	0.61	1.500	I	O	|	|	|	|	1.98
37.167	0.00	0.61	1.496	I	O	|	|	|	|	1.97
37.250	0.00	0.61	1.492	I	O	|	|	|	|	1.97
37.333	0.00	0.61	1.488	I	O	|	|	|	|	1.96
37.417	0.00	0.61	1.483	I	O	|	|	|	|	1.95
37.500	0.00	0.61	1.479	I	O	|	|	|	|	1.95
37.583	0.00	0.61	1.475	I	O	|	|	|	|	1.94
37.667	0.00	0.60	1.471	I	O	|	|	|	|	1.94
37.750	0.00	0.60	1.467	I	O	|	|	|	|	1.93
37.833	0.00	0.60	1.463	I	O	|	|	|	|	1.93
37.917	0.00	0.60	1.458	I	O	|	|	|	|	1.92
38.000	0.00	0.60	1.454	I	O	|	|	|	|	1.92
38.083	0.00	0.60	1.450	I	O	|	|	|	|	1.91
38.167	0.00	0.60	1.446	I	O	|	|	|	|	1.91
38.250	0.00	0.59	1.442	I	O	|	|	|	|	1.90
38.333	0.00	0.59	1.438	I	O	|	|	|	|	1.90
38.417	0.00	0.59	1.434	I	O	|	|	|	|	1.89
38.500	0.00	0.59	1.430	I	O	|	|	|	|	1.89
38.583	0.00	0.59	1.426	I	O	|	|	|	|	1.88
38.667	0.00	0.59	1.422	I	O	|	|	|	|	1.88
38.750	0.00	0.59	1.418	I	O	|	|	|	|	1.87
38.833	0.00	0.59	1.413	I	O	|	|	|	|	1.87
38.917	0.00	0.58	1.409	I	O	|	|	|	|	1.86
39.000	0.00	0.58	1.405	I	O	|	|	|	|	1.86
39.083	0.00	0.58	1.401	I	O	|	|	|	|	1.85
39.167	0.00	0.58	1.397	I	O	|	|	|	|	1.85
39.250	0.00	0.58	1.393	I	O	|	|	|	|	1.84
39.333	0.00	0.58	1.389	I	O	|	|	|	|	1.84
39.417	0.00	0.58	1.385	I	O	|	|	|	|	1.83
39.500	0.00	0.58	1.381	I	O	|	|	|	|	1.83

39.583	0.00	0.57	1.378	I	O	|	|	|	|	1.82
39.667	0.00	0.57	1.374	I	O	|	|	|	|	1.82
39.750	0.00	0.57	1.370	I	O	|	|	|	|	1.81
39.833	0.00	0.57	1.366	I	O	|	|	|	|	1.81
39.917	0.00	0.57	1.362	I	O	|	|	|	|	1.80
40.000	0.00	0.57	1.358	I	O	|	|	|	|	1.80
40.083	0.00	0.57	1.354	I	O	|	|	|	|	1.80
40.167	0.00	0.57	1.350	I	O	|	|	|	|	1.79
40.250	0.00	0.56	1.346	I	O	|	|	|	|	1.79
40.333	0.00	0.56	1.342	I	O	|	|	|	|	1.78
40.417	0.00	0.56	1.338	I	O	|	|	|	|	1.78
40.500	0.00	0.56	1.335	I	O	|	|	|	|	1.77
40.583	0.00	0.56	1.331	I	O	|	|	|	|	1.77
40.667	0.00	0.56	1.327	I	O	|	|	|	|	1.76
40.750	0.00	0.56	1.323	I	O	|	|	|	|	1.76
40.833	0.00	0.56	1.319	I	O	|	|	|	|	1.75
40.917	0.00	0.55	1.315	I	O	|	|	|	|	1.75
41.000	0.00	0.55	1.312	I	O	|	|	|	|	1.74
41.083	0.00	0.55	1.308	I	O	|	|	|	|	1.74
41.167	0.00	0.55	1.304	I	O	|	|	|	|	1.73
41.250	0.00	0.55	1.300	I	O	|	|	|	|	1.73
41.333	0.00	0.55	1.296	I	O	|	|	|	|	1.72
41.417	0.00	0.55	1.293	I	O	|	|	|	|	1.72
41.500	0.00	0.55	1.289	I	O	|	|	|	|	1.71
41.583	0.00	0.54	1.285	I	O	|	|	|	|	1.71
41.667	0.00	0.54	1.281	I	O	|	|	|	|	1.71
41.750	0.00	0.54	1.278	I	O	|	|	|	|	1.70
41.833	0.00	0.54	1.274	I	O	|	|	|	|	1.70
41.917	0.00	0.54	1.270	I	O	|	|	|	|	1.69
42.000	0.00	0.54	1.266	I	O	|	|	|	|	1.69
42.083	0.00	0.54	1.263	I	O	|	|	|	|	1.68
42.167	0.00	0.54	1.259	I	O	|	|	|	|	1.68
42.250	0.00	0.54	1.255	I	O	|	|	|	|	1.67
42.333	0.00	0.53	1.252	I	O	|	|	|	|	1.67
42.417	0.00	0.53	1.248	I	O	|	|	|	|	1.66
42.500	0.00	0.53	1.244	I	O	|	|	|	|	1.66
42.583	0.00	0.53	1.241	I	O	|	|	|	|	1.66
42.667	0.00	0.53	1.237	I	O	|	|	|	|	1.65
42.750	0.00	0.53	1.233	I	O	|	|	|	|	1.65
42.833	0.00	0.53	1.230	I	O	|	|	|	|	1.64
42.917	0.00	0.53	1.226	I	O	|	|	|	|	1.64
43.000	0.00	0.52	1.223	I	O	|	|	|	|	1.63
43.083	0.00	0.52	1.219	I	O	|	|	|	|	1.63
43.167	0.00	0.52	1.215	I	O	|	|	|	|	1.62
43.250	0.00	0.52	1.212	I	O	|	|	|	|	1.62
43.333	0.00	0.52	1.208	I	O	|	|	|	|	1.61
43.417	0.00	0.52	1.205	I	O	|	|	|	|	1.61
43.500	0.00	0.52	1.201	I	O	|	|	|	|	1.61
43.583	0.00	0.52	1.197	I	O	|	|	|	|	1.60
43.667	0.00	0.52	1.194	I	O	|	|	|	|	1.60
43.750	0.00	0.51	1.190	I	O	|	|	|	|	1.59
43.833	0.00	0.51	1.187	I	O	|	|	|	|	1.59
43.917	0.00	0.51	1.183	I	O	|	|	|	|	1.58
44.000	0.00	0.51	1.180	I	O	|	|	|	|	1.58
44.083	0.00	0.51	1.176	I	O	|	|	|	|	1.58
44.167	0.00	0.51	1.173	I	O	|	|	|	|	1.57
44.250	0.00	0.51	1.169	I	O	|	|	|	|	1.57
44.333	0.00	0.51	1.166	I	O	|	|	|	|	1.56
44.417	0.00	0.51	1.162	I	O	|	|	|	|	1.56
44.500	0.00	0.50	1.159	I	O	|	|	|	|	1.55
44.583	0.00	0.50	1.155	I	O	|	|	|	|	1.55
44.667	0.00	0.50	1.152	I	O	|	|	|	|	1.55
44.750	0.00	0.50	1.148	I	O	|	|	|	|	1.54
44.833	0.00	0.50	1.145	I	O	|	|	|	|	1.54
44.917	0.00	0.50	1.142	I	O	|	|	|	|	1.53
45.000	0.00	0.50	1.138	I	O	|	|	|	|	1.53
45.083	0.00	0.50	1.135	I	O	|	|	|	|	1.52

45.167	0.00	0.50	1.131	I O	|	|	|	1.52
45.250	0.00	0.49	1.128	I O	|	|	|	1.52
45.333	0.00	0.49	1.124	I O	|	|	|	1.51
45.417	0.00	0.49	1.121	I O	|	|	|	1.51
45.500	0.00	0.49	1.118	I O	|	|	|	1.50
45.583	0.00	0.49	1.114	I O	|	|	|	1.50
45.667	0.00	0.49	1.111	I O	|	|	|	1.49
45.750	0.00	0.49	1.108	I O	|	|	|	1.49
45.833	0.00	0.49	1.104	I O	|	|	|	1.49
45.917	0.00	0.49	1.101	I O	|	|	|	1.48
46.000	0.00	0.48	1.098	I O	|	|	|	1.48
46.083	0.00	0.48	1.094	I O	|	|	|	1.47
46.167	0.00	0.48	1.091	I O	|	|	|	1.47
46.250	0.00	0.48	1.088	I O	|	|	|	1.47
46.333	0.00	0.48	1.084	I O	|	|	|	1.46
46.417	0.00	0.48	1.081	I O	|	|	|	1.46
46.500	0.00	0.48	1.078	I O	|	|	|	1.45
46.583	0.00	0.48	1.074	I O	|	|	|	1.45
46.667	0.00	0.48	1.071	I O	|	|	|	1.45
46.750	0.00	0.47	1.068	I O	|	|	|	1.44
46.833	0.00	0.47	1.065	I O	|	|	|	1.44
46.917	0.00	0.47	1.061	I O	|	|	|	1.43
47.000	0.00	0.47	1.058	I O	|	|	|	1.43
47.083	0.00	0.47	1.055	I O	|	|	|	1.43
47.167	0.00	0.47	1.052	I O	|	|	|	1.42
47.250	0.00	0.47	1.048	I O	|	|	|	1.42
47.333	0.00	0.47	1.045	I O	|	|	|	1.41
47.417	0.00	0.47	1.042	I O	|	|	|	1.41
47.500	0.00	0.47	1.039	I O	|	|	|	1.41
47.583	0.00	0.46	1.035	I O	|	|	|	1.40
47.667	0.00	0.46	1.032	I O	|	|	|	1.40
47.750	0.00	0.46	1.029	I O	|	|	|	1.39
47.833	0.00	0.46	1.026	I O	|	|	|	1.39
47.917	0.00	0.46	1.023	I O	|	|	|	1.39
48.000	0.00	0.46	1.020	I O	|	|	|	1.38
48.083	0.00	0.46	1.016	I O	|	|	|	1.38
48.167	0.00	0.46	1.013	I O	|	|	|	1.37
48.250	0.00	0.46	1.010	I O	|	|	|	1.37
48.333	0.00	0.46	1.007	I O	|	|	|	1.37
48.417	0.00	0.45	1.004	I O	|	|	|	1.36
48.500	0.00	0.45	1.001	I O	|	|	|	1.36
48.583	0.00	0.45	0.998	I O	|	|	|	1.36
48.667	0.00	0.45	0.994	I O	|	|	|	1.35
48.750	0.00	0.45	0.991	I O	|	|	|	1.35
48.833	0.00	0.45	0.988	I O	|	|	|	1.34
48.917	0.00	0.45	0.985	I O	|	|	|	1.34
49.000	0.00	0.45	0.982	I O	|	|	|	1.34
49.083	0.00	0.45	0.979	I O	|	|	|	1.33
49.167	0.00	0.45	0.976	I O	|	|	|	1.33
49.250	0.00	0.44	0.973	I O	|	|	|	1.32
49.333	0.00	0.44	0.970	I O	|	|	|	1.32
49.417	0.00	0.44	0.967	I O	|	|	|	1.32
49.500	0.00	0.44	0.964	I O	|	|	|	1.31
49.583	0.00	0.44	0.961	I O	|	|	|	1.31
49.667	0.00	0.44	0.958	I O	|	|	|	1.31
49.750	0.00	0.44	0.955	I O	|	|	|	1.30
49.833	0.00	0.44	0.952	I O	|	|	|	1.30
49.917	0.00	0.44	0.949	I O	|	|	|	1.29
50.000	0.00	0.44	0.946	I O	|	|	|	1.29
50.083	0.00	0.43	0.943	I O	|	|	|	1.29
50.167	0.00	0.43	0.940	I O	|	|	|	1.28
50.250	0.00	0.43	0.937	I O	|	|	|	1.28
50.333	0.00	0.43	0.934	I O	|	|	|	1.28
50.417	0.00	0.43	0.931	I O	|	|	|	1.27
50.500	0.00	0.43	0.928	I O	|	|	|	1.27
50.583	0.00	0.43	0.925	I O	|	|	|	1.27
50.667	0.00	0.43	0.922	I O	|	|	|	1.26

50.750	0.00	0.43	0.919	I O	|	|	|	| 1.26
50.833	0.00	0.43	0.916	I O	|	|	|	| 1.25
50.917	0.00	0.43	0.913	I O	|	|	|	| 1.25
51.000	0.00	0.42	0.910	I O	|	|	|	| 1.25
51.083	0.00	0.42	0.907	I O	|	|	|	| 1.24
51.167	0.00	0.42	0.904	I O	|	|	|	| 1.24
51.250	0.00	0.42	0.901	I O	|	|	|	| 1.24
51.333	0.00	0.42	0.898	I O	|	|	|	| 1.23
51.417	0.00	0.42	0.896	I O	|	|	|	| 1.23
51.500	0.00	0.42	0.893	I O	|	|	|	| 1.23
51.583	0.00	0.42	0.890	I O	|	|	|	| 1.22
51.667	0.00	0.42	0.887	I O	|	|	|	| 1.22
51.750	0.00	0.42	0.884	I O	|	|	|	| 1.21
51.833	0.00	0.41	0.881	I O	|	|	|	| 1.21
51.917	0.00	0.41	0.878	I O	|	|	|	| 1.21
52.000	0.00	0.41	0.875	I O	|	|	|	| 1.20
52.083	0.00	0.41	0.873	I O	|	|	|	| 1.20
52.167	0.00	0.41	0.870	I O	|	|	|	| 1.20
52.250	0.00	0.41	0.867	I O	|	|	|	| 1.19
52.333	0.00	0.41	0.864	I O	|	|	|	| 1.19
52.417	0.00	0.41	0.861	I O	|	|	|	| 1.19
52.500	0.00	0.41	0.858	I O	|	|	|	| 1.18
52.583	0.00	0.41	0.856	I O	|	|	|	| 1.18
52.667	0.00	0.41	0.853	I O	|	|	|	| 1.18
52.750	0.00	0.40	0.850	I O	|	|	|	| 1.17
52.833	0.00	0.40	0.847	I O	|	|	|	| 1.17
52.917	0.00	0.40	0.845	I O	|	|	|	| 1.17
53.000	0.00	0.40	0.842	I O	|	|	|	| 1.16
53.083	0.00	0.40	0.839	I O	|	|	|	| 1.16
53.167	0.00	0.40	0.836	I O	|	|	|	| 1.16
53.250	0.00	0.40	0.833	I O	|	|	|	| 1.15
53.333	0.00	0.40	0.831	I O	|	|	|	| 1.15
53.417	0.00	0.40	0.828	I O	|	|	|	| 1.15
53.500	0.00	0.40	0.825	I O	|	|	|	| 1.14
53.583	0.00	0.40	0.823	I O	|	|	|	| 1.14
53.667	0.00	0.40	0.820	I O	|	|	|	| 1.14
53.750	0.00	0.39	0.817	I O	|	|	|	| 1.13
53.833	0.00	0.39	0.814	I O	|	|	|	| 1.13
53.917	0.00	0.39	0.812	I O	|	|	|	| 1.13
54.000	0.00	0.39	0.809	I O	|	|	|	| 1.12
54.083	0.00	0.39	0.806	I O	|	|	|	| 1.12
54.167	0.00	0.39	0.804	I O	|	|	|	| 1.12
54.250	0.00	0.39	0.801	I O	|	|	|	| 1.11
54.333	0.00	0.39	0.798	I O	|	|	|	| 1.11
54.417	0.00	0.39	0.796	I O	|	|	|	| 1.11
54.500	0.00	0.39	0.793	I O	|	|	|	| 1.10
54.583	0.00	0.39	0.790	I O	|	|	|	| 1.10
54.667	0.00	0.38	0.788	I O	|	|	|	| 1.10
54.750	0.00	0.38	0.785	I O	|	|	|	| 1.09
54.833	0.00	0.38	0.782	I O	|	|	|	| 1.09
54.917	0.00	0.38	0.780	I O	|	|	|	| 1.09
55.000	0.00	0.38	0.777	I O	|	|	|	| 1.08
55.083	0.00	0.38	0.774	I O	|	|	|	| 1.08
55.167	0.00	0.38	0.772	I O	|	|	|	| 1.08
55.250	0.00	0.38	0.769	I O	|	|	|	| 1.07
55.333	0.00	0.38	0.767	I O	|	|	|	| 1.07
55.417	0.00	0.38	0.764	I O	|	|	|	| 1.07
55.500	0.00	0.38	0.761	I O	|	|	|	| 1.06
55.583	0.00	0.38	0.759	I O	|	|	|	| 1.06
55.667	0.00	0.37	0.756	I O	|	|	|	| 1.06
55.750	0.00	0.37	0.754	I O	|	|	|	| 1.05
55.833	0.00	0.37	0.751	I O	|	|	|	| 1.05
55.917	0.00	0.37	0.748	I O	|	|	|	| 1.05
56.000	0.00	0.37	0.746	I O	|	|	|	| 1.04
56.083	0.00	0.37	0.743	I O	|	|	|	| 1.04
56.167	0.00	0.37	0.741	I O	|	|	|	| 1.04
56.250	0.00	0.37	0.738	I O	|	|	|	| 1.03

56.333	0.00	0.37	0.736	I O	|	|	|	1.03
56.417	0.00	0.37	0.733	I O	|	|	|	1.03
56.500	0.00	0.37	0.731	I O	|	|	|	1.03
56.583	0.00	0.37	0.728	I O	|	|	|	1.02
56.667	0.00	0.37	0.726	I O	|	|	|	1.02
56.750	0.00	0.36	0.723	I O	|	|	|	1.02
56.833	0.00	0.36	0.721	I O	|	|	|	1.01
56.917	0.00	0.36	0.718	I O	|	|	|	1.01
57.000	0.00	0.36	0.716	I O	|	|	|	1.01
57.083	0.00	0.36	0.713	I O	|	|	|	1.00
57.167	0.00	0.36	0.711	I O	|	|	|	1.00
57.250	0.00	0.36	0.708	I O	|	|	|	1.00
57.333	0.00	0.36	0.706	I O	|	|	|	0.99
57.417	0.00	0.36	0.703	I O	|	|	|	0.99
57.500	0.00	0.36	0.701	I O	|	|	|	0.99
57.583	0.00	0.35	0.698	I O	|	|	|	0.98
57.667	0.00	0.35	0.696	I O	|	|	|	0.98
57.750	0.00	0.35	0.693	I O	|	|	|	0.98
57.833	0.00	0.35	0.691	I O	|	|	|	0.97
57.917	0.00	0.35	0.689	I O	|	|	|	0.97
58.000	0.00	0.35	0.686	I O	|	|	|	0.97
58.083	0.00	0.35	0.684	I O	|	|	|	0.96
58.167	0.00	0.35	0.681	I O	|	|	|	0.96
58.250	0.00	0.34	0.679	I O	|	|	|	0.96
58.333	0.00	0.34	0.677	I O	|	|	|	0.95
58.417	0.00	0.34	0.674	I O	|	|	|	0.95
58.500	0.00	0.34	0.672	I O	|	|	|	0.95
58.583	0.00	0.34	0.670	I O	|	|	|	0.94
58.667	0.00	0.34	0.667	I O	|	|	|	0.94
58.750	0.00	0.34	0.665	I O	|	|	|	0.94
58.833	0.00	0.34	0.663	I O	|	|	|	0.93
58.917	0.00	0.33	0.660	I O	|	|	|	0.93
59.000	0.00	0.33	0.658	I O	|	|	|	0.93
59.083	0.00	0.33	0.656	I O	|	|	|	0.92
59.167	0.00	0.33	0.653	I O	|	|	|	0.92
59.250	0.00	0.33	0.651	I O	|	|	|	0.92
59.333	0.00	0.33	0.649	IO	|	|	|	0.91
59.417	0.00	0.33	0.647	IO	|	|	|	0.91
59.500	0.00	0.33	0.644	IO	|	|	|	0.91
59.583	0.00	0.33	0.642	IO	|	|	|	0.90
59.667	0.00	0.32	0.640	IO	|	|	|	0.90
59.750	0.00	0.32	0.638	IO	|	|	|	0.90
59.833	0.00	0.32	0.635	IO	|	|	|	0.90
59.917	0.00	0.32	0.633	IO	|	|	|	0.89
60.000	0.00	0.32	0.631	IO	|	|	|	0.89
60.083	0.00	0.32	0.629	IO	|	|	|	0.89
60.167	0.00	0.32	0.627	IO	|	|	|	0.88
60.250	0.00	0.32	0.624	IO	|	|	|	0.88
60.333	0.00	0.32	0.622	IO	|	|	|	0.88
60.417	0.00	0.31	0.620	IO	|	|	|	0.87
60.500	0.00	0.31	0.618	IO	|	|	|	0.87
60.583	0.00	0.31	0.616	IO	|	|	|	0.87
60.667	0.00	0.31	0.614	IO	|	|	|	0.86
60.750	0.00	0.31	0.612	IO	|	|	|	0.86
60.833	0.00	0.31	0.609	IO	|	|	|	0.86
60.917	0.00	0.31	0.607	IO	|	|	|	0.86
61.000	0.00	0.31	0.605	IO	|	|	|	0.85
61.083	0.00	0.31	0.603	IO	|	|	|	0.85
61.167	0.00	0.30	0.601	IO	|	|	|	0.85
61.250	0.00	0.30	0.599	IO	|	|	|	0.84
61.333	0.00	0.30	0.597	IO	|	|	|	0.84
61.417	0.00	0.30	0.595	IO	|	|	|	0.84
61.500	0.00	0.30	0.593	IO	|	|	|	0.83
61.583	0.00	0.30	0.591	IO	|	|	|	0.83
61.667	0.00	0.30	0.588	IO	|	|	|	0.83
61.750	0.00	0.30	0.586	IO	|	|	|	0.83
61.833	0.00	0.30	0.584	IO	|	|	|	0.82

61.917	0.00	0.30	0.582	IO					0.82
62.000	0.00	0.29	0.580	IO					0.82
62.083	0.00	0.29	0.578	IO					0.81
62.167	0.00	0.29	0.576	IO					0.81
62.250	0.00	0.29	0.574	IO					0.81
62.333	0.00	0.29	0.572	IO					0.81
62.417	0.00	0.29	0.570	IO					0.80
62.500	0.00	0.29	0.568	IO					0.80
62.583	0.00	0.29	0.566	IO					0.80
62.667	0.00	0.29	0.564	IO					0.79
62.750	0.00	0.29	0.562	IO					0.79
62.833	0.00	0.28	0.560	IO					0.79
62.917	0.00	0.28	0.558	IO					0.79
63.000	0.00	0.28	0.557	IO					0.78
63.083	0.00	0.28	0.555	IO					0.78
63.167	0.00	0.28	0.553	IO					0.78
63.250	0.00	0.28	0.551	IO					0.78
63.333	0.00	0.28	0.549	IO					0.77
63.417	0.00	0.28	0.547	IO					0.77
63.500	0.00	0.28	0.545	IO					0.77
63.583	0.00	0.28	0.543	IO					0.76
63.667	0.00	0.27	0.541	IO					0.76
63.750	0.00	0.27	0.539	IO					0.76
63.833	0.00	0.27	0.537	IO					0.76
63.917	0.00	0.27	0.536	IO					0.75
64.000	0.00	0.27	0.534	IO					0.75
64.083	0.00	0.27	0.532	IO					0.75
64.167	0.00	0.27	0.530	IO					0.75
64.250	0.00	0.27	0.528	IO					0.74
64.333	0.00	0.27	0.526	IO					0.74
64.417	0.00	0.27	0.524	IO					0.74
64.500	0.00	0.26	0.523	IO					0.74
64.583	0.00	0.26	0.521	IO					0.73
64.667	0.00	0.26	0.519	IO					0.73
64.750	0.00	0.26	0.517	IO					0.73
64.833	0.00	0.26	0.515	IO					0.73
64.917	0.00	0.26	0.514	IO					0.72
65.000	0.00	0.26	0.512	IO					0.72
65.083	0.00	0.26	0.510	IO					0.72
65.167	0.00	0.26	0.508	IO					0.72
65.250	0.00	0.26	0.506	IO					0.71
65.333	0.00	0.26	0.505	IO					0.71
65.417	0.00	0.25	0.503	IO					0.71
65.500	0.00	0.25	0.501	IO					0.71
65.583	0.00	0.25	0.499	IO					0.70
65.667	0.00	0.25	0.498	IO					0.70
65.750	0.00	0.25	0.496	IO					0.70
65.833	0.00	0.25	0.494	IO					0.70
65.917	0.00	0.25	0.492	IO					0.69
66.000	0.00	0.25	0.491	IO					0.69
66.083	0.00	0.25	0.489	IO					0.69
66.167	0.00	0.25	0.487	IO					0.69
66.250	0.00	0.25	0.486	IO					0.68
66.333	0.00	0.25	0.484	IO					0.68
66.417	0.00	0.24	0.482	IO					0.68
66.500	0.00	0.24	0.481	IO					0.68
66.583	0.00	0.24	0.479	IO					0.67
66.667	0.00	0.24	0.477	IO					0.67
66.750	0.00	0.24	0.476	IO					0.67
66.833	0.00	0.24	0.474	IO					0.67
66.917	0.00	0.24	0.472	IO					0.67
67.000	0.00	0.24	0.471	IO					0.66
67.083	0.00	0.24	0.469	IO					0.66
67.167	0.00	0.24	0.467	IO					0.66
67.250	0.00	0.24	0.466	IO					0.66
67.333	0.00	0.24	0.464	IO					0.65
67.417	0.00	0.23	0.462	IO					0.65

67.500	0.00	0.23	0.461	IO	|	|	|	0.65
67.583	0.00	0.23	0.459	IO	|	|	|	0.65
67.667	0.00	0.23	0.458	IO	|	|	|	0.64
67.750	0.00	0.23	0.456	IO	|	|	|	0.64
67.833	0.00	0.23	0.454	IO	|	|	|	0.64
67.917	0.00	0.23	0.453	IO	|	|	|	0.64
68.000	0.00	0.23	0.451	IO	|	|	|	0.64
68.083	0.00	0.23	0.450	IO	|	|	|	0.63
68.167	0.00	0.23	0.448	IO	|	|	|	0.63
68.250	0.00	0.23	0.447	IO	|	|	|	0.63
68.333	0.00	0.23	0.445	IO	|	|	|	0.63
68.417	0.00	0.22	0.444	IO	|	|	|	0.62
68.500	0.00	0.22	0.442	IO	|	|	|	0.62
68.583	0.00	0.22	0.440	IO	|	|	|	0.62
68.667	0.00	0.22	0.439	IO	|	|	|	0.62
68.750	0.00	0.22	0.437	IO	|	|	|	0.62
68.833	0.00	0.22	0.436	IO	|	|	|	0.61
68.917	0.00	0.22	0.434	IO	|	|	|	0.61
69.000	0.00	0.22	0.433	IO	|	|	|	0.61
69.083	0.00	0.22	0.431	IO	|	|	|	0.61
69.167	0.00	0.22	0.430	IO	|	|	|	0.61
69.250	0.00	0.22	0.428	IO	|	|	|	0.60
69.333	0.00	0.22	0.427	IO	|	|	|	0.60
69.417	0.00	0.22	0.425	IO	|	|	|	0.60
69.500	0.00	0.21	0.424	IO	|	|	|	0.60
69.583	0.00	0.21	0.422	IO	|	|	|	0.59
69.667	0.00	0.21	0.421	IO	|	|	|	0.59
69.750	0.00	0.21	0.419	IO	|	|	|	0.59
69.833	0.00	0.21	0.418	IO	|	|	|	0.59
69.917	0.00	0.21	0.416	IO	|	|	|	0.59
70.000	0.00	0.21	0.415	IO	|	|	|	0.58
70.083	0.00	0.21	0.414	IO	|	|	|	0.58
70.167	0.00	0.21	0.412	IO	|	|	|	0.58
70.250	0.00	0.21	0.411	IO	|	|	|	0.58
70.333	0.00	0.21	0.409	IO	|	|	|	0.58
70.417	0.00	0.21	0.408	IO	|	|	|	0.57
70.500	0.00	0.21	0.406	IO	|	|	|	0.57
70.583	0.00	0.21	0.405	IO	|	|	|	0.57
70.667	0.00	0.20	0.404	IO	|	|	|	0.57
70.750	0.00	0.20	0.402	IO	|	|	|	0.57
70.833	0.00	0.20	0.401	IO	|	|	|	0.56
70.917	0.00	0.20	0.399	IO	|	|	|	0.56
71.000	0.00	0.20	0.398	IO	|	|	|	0.56
71.083	0.00	0.20	0.397	IO	|	|	|	0.56
71.167	0.00	0.20	0.395	IO	|	|	|	0.56
71.250	0.00	0.20	0.394	IO	|	|	|	0.55
71.333	0.00	0.20	0.392	IO	|	|	|	0.55
71.417	0.00	0.20	0.391	IO	|	|	|	0.55
71.500	0.00	0.20	0.390	IO	|	|	|	0.55
71.583	0.00	0.20	0.388	IO	|	|	|	0.55
71.667	0.00	0.20	0.387	IO	|	|	|	0.55
71.750	0.00	0.20	0.386	IO	|	|	|	0.54
71.833	0.00	0.19	0.384	IO	|	|	|	0.54
71.917	0.00	0.19	0.383	IO	|	|	|	0.54
72.000	0.00	0.19	0.382	IO	|	|	|	0.54
72.083	0.00	0.19	0.380	IO	|	|	|	0.54
72.167	0.00	0.19	0.379	IO	|	|	|	0.53
72.250	0.00	0.19	0.378	IO	|	|	|	0.53
72.333	0.00	0.19	0.376	IO	|	|	|	0.53
72.417	0.00	0.19	0.375	IO	|	|	|	0.53
72.500	0.00	0.19	0.374	IO	|	|	|	0.53
72.583	0.00	0.19	0.372	IO	|	|	|	0.52
72.667	0.00	0.19	0.371	IO	|	|	|	0.52
72.750	0.00	0.19	0.370	IO	|	|	|	0.52
72.833	0.00	0.19	0.369	IO	|	|	|	0.52
72.917	0.00	0.19	0.367	IO	|	|	|	0.52
73.000	0.00	0.19	0.366	IO	|	|	|	0.52

73.083	0.00	0.18	0.365	IO				0.51
73.167	0.00	0.18	0.363	IO				0.51
73.250	0.00	0.18	0.362	IO				0.51
73.333	0.00	0.18	0.361	IO				0.51
73.417	0.00	0.18	0.360	IO				0.51
73.500	0.00	0.18	0.358	IO				0.50
73.583	0.00	0.18	0.357	IO				0.50
73.667	0.00	0.18	0.356	IO				0.50
73.750	0.00	0.18	0.355	IO				0.50
73.833	0.00	0.18	0.353	IO				0.50
73.917	0.00	0.18	0.352	IO				0.50
74.000	0.00	0.18	0.351	IO				0.49
74.083	0.00	0.18	0.350	IO				0.49
74.167	0.00	0.18	0.349	IO				0.49
74.250	0.00	0.18	0.347	IO				0.49
74.333	0.00	0.18	0.346	IO				0.49
74.417	0.00	0.17	0.345	IO				0.49
74.500	0.00	0.17	0.344	IO				0.48
74.583	0.00	0.17	0.343	IO				0.48
74.667	0.00	0.17	0.341	IO				0.48
74.750	0.00	0.17	0.340	IO				0.48
74.833	0.00	0.17	0.339	IO				0.48
74.917	0.00	0.17	0.338	IO				0.48
75.000	0.00	0.17	0.337	IO				0.47
75.083	0.00	0.17	0.335	IO				0.47
75.167	0.00	0.17	0.334	IO				0.47
75.250	0.00	0.17	0.333	IO				0.47
75.333	0.00	0.17	0.332	IO				0.47
75.417	0.00	0.17	0.331	IO				0.47
75.500	0.00	0.17	0.330	IO				0.46
75.583	0.00	0.17	0.328	IO				0.46
75.667	0.00	0.17	0.327	IO				0.46
75.750	0.00	0.17	0.326	IO				0.46
75.833	0.00	0.16	0.325	O				0.46
75.917	0.00	0.16	0.324	O				0.46
76.000	0.00	0.16	0.323	O				0.45
76.083	0.00	0.16	0.322	O				0.45
76.167	0.00	0.16	0.321	O				0.45
76.250	0.00	0.16	0.319	O				0.45
76.333	0.00	0.16	0.318	O				0.45
76.417	0.00	0.16	0.317	O				0.45
76.500	0.00	0.16	0.316	O				0.45
76.583	0.00	0.16	0.315	O				0.44
76.667	0.00	0.16	0.314	O				0.44
76.750	0.00	0.16	0.313	O				0.44
76.833	0.00	0.16	0.312	O				0.44
76.917	0.00	0.16	0.311	O				0.44
77.000	0.00	0.16	0.310	O				0.44
77.083	0.00	0.16	0.308	O				0.43
77.167	0.00	0.16	0.307	O				0.43
77.250	0.00	0.16	0.306	O				0.43
77.333	0.00	0.15	0.305	O				0.43
77.417	0.00	0.15	0.304	O				0.43
77.500	0.00	0.15	0.303	O				0.43
77.583	0.00	0.15	0.302	O				0.43
77.667	0.00	0.15	0.301	O				0.42
77.750	0.00	0.15	0.300	O				0.42
77.833	0.00	0.15	0.299	O				0.42
77.917	0.00	0.15	0.298	O				0.42
78.000	0.00	0.15	0.297	O				0.42
78.083	0.00	0.15	0.296	O				0.42
78.167	0.00	0.15	0.295	O				0.42
78.250	0.00	0.15	0.294	O				0.41
78.333	0.00	0.15	0.293	O				0.41
78.417	0.00	0.15	0.292	O				0.41
78.500	0.00	0.15	0.291	O				0.41
78.583	0.00	0.15	0.290	O				0.41

78.667	0.00	0.15	0.289	O	|	|	|	0.41
78.750	0.00	0.15	0.288	O	|	|	|	0.41
78.833	0.00	0.15	0.287	O	|	|	|	0.40
78.917	0.00	0.14	0.286	O	|	|	|	0.40
79.000	0.00	0.14	0.285	O	|	|	|	0.40
79.083	0.00	0.14	0.284	O	|	|	|	0.40
79.167	0.00	0.14	0.283	O	|	|	|	0.40
79.250	0.00	0.14	0.282	O	|	|	|	0.40
79.333	0.00	0.14	0.281	O	|	|	|	0.40
79.417	0.00	0.14	0.280	O	|	|	|	0.39
79.500	0.00	0.14	0.279	O	|	|	|	0.39
79.583	0.00	0.14	0.278	O	|	|	|	0.39
79.667	0.00	0.14	0.277	O	|	|	|	0.39
79.750	0.00	0.14	0.276	O	|	|	|	0.39
79.833	0.00	0.14	0.275	O	|	|	|	0.39
79.917	0.00	0.14	0.274	O	|	|	|	0.39
80.000	0.00	0.14	0.273	O	|	|	|	0.38
80.083	0.00	0.14	0.272	O	|	|	|	0.38
80.167	0.00	0.14	0.271	O	|	|	|	0.38
80.250	0.00	0.14	0.270	O	|	|	|	0.38
80.333	0.00	0.14	0.269	O	|	|	|	0.38
80.417	0.00	0.14	0.268	O	|	|	|	0.38
80.500	0.00	0.14	0.267	O	|	|	|	0.38
80.583	0.00	0.14	0.266	O	|	|	|	0.38
80.667	0.00	0.13	0.265	O	|	|	|	0.37
80.750	0.00	0.13	0.265	O	|	|	|	0.37
80.833	0.00	0.13	0.264	O	|	|	|	0.37
80.917	0.00	0.13	0.263	O	|	|	|	0.37
81.000	0.00	0.13	0.262	O	|	|	|	0.37
81.083	0.00	0.13	0.261	O	|	|	|	0.37
81.167	0.00	0.13	0.260	O	|	|	|	0.37
81.250	0.00	0.13	0.259	O	|	|	|	0.36
81.333	0.00	0.13	0.258	O	|	|	|	0.36
81.417	0.00	0.13	0.257	O	|	|	|	0.36
81.500	0.00	0.13	0.256	O	|	|	|	0.36
81.583	0.00	0.13	0.255	O	|	|	|	0.36
81.667	0.00	0.13	0.255	O	|	|	|	0.36
81.750	0.00	0.13	0.254	O	|	|	|	0.36
81.833	0.00	0.13	0.253	O	|	|	|	0.36
81.917	0.00	0.13	0.252	O	|	|	|	0.35
82.000	0.00	0.13	0.251	O	|	|	|	0.35
82.083	0.00	0.13	0.250	O	|	|	|	0.35
82.167	0.00	0.13	0.249	O	|	|	|	0.35
82.250	0.00	0.13	0.248	O	|	|	|	0.35
82.333	0.00	0.13	0.248	O	|	|	|	0.35
82.417	0.00	0.13	0.247	O	|	|	|	0.35
82.500	0.00	0.12	0.246	O	|	|	|	0.35
82.583	0.00	0.12	0.245	O	|	|	|	0.35
82.667	0.00	0.12	0.244	O	|	|	|	0.34
82.750	0.00	0.12	0.243	O	|	|	|	0.34
82.833	0.00	0.12	0.242	O	|	|	|	0.34
82.917	0.00	0.12	0.242	O	|	|	|	0.34
83.000	0.00	0.12	0.241	O	|	|	|	0.34
83.083	0.00	0.12	0.240	O	|	|	|	0.34
83.167	0.00	0.12	0.239	O	|	|	|	0.34
83.250	0.00	0.12	0.238	O	|	|	|	0.34
83.333	0.00	0.12	0.237	O	|	|	|	0.33
83.417	0.00	0.12	0.237	O	|	|	|	0.33
83.500	0.00	0.12	0.236	O	|	|	|	0.33
83.583	0.00	0.12	0.235	O	|	|	|	0.33
83.667	0.00	0.12	0.234	O	|	|	|	0.33
83.750	0.00	0.12	0.233	O	|	|	|	0.33
83.833	0.00	0.12	0.232	O	|	|	|	0.33
83.917	0.00	0.12	0.232	O	|	|	|	0.33
84.000	0.00	0.12	0.231	O	|	|	|	0.33
84.083	0.00	0.12	0.230	O	|	|	|	0.32
84.167	0.00	0.12	0.229	O	|	|	|	0.32

84.250	0.00	0.12	0.228	O	|	|	|	|	0.32
84.333	0.00	0.12	0.228	O	|	|	|	|	0.32
84.417	0.00	0.12	0.227	O	|	|	|	|	0.32
84.500	0.00	0.11	0.226	O	|	|	|	|	0.32
84.583	0.00	0.11	0.225	O	|	|	|	|	0.32
84.667	0.00	0.11	0.224	O	|	|	|	|	0.32
84.750	0.00	0.11	0.224	O	|	|	|	|	0.32
84.833	0.00	0.11	0.223	O	|	|	|	|	0.31
84.917	0.00	0.11	0.222	O	|	|	|	|	0.31
85.000	0.00	0.11	0.221	O	|	|	|	|	0.31
85.083	0.00	0.11	0.221	O	|	|	|	|	0.31
85.167	0.00	0.11	0.220	O	|	|	|	|	0.31
85.250	0.00	0.11	0.219	O	|	|	|	|	0.31
85.333	0.00	0.11	0.218	O	|	|	|	|	0.31
85.417	0.00	0.11	0.218	O	|	|	|	|	0.31
85.500	0.00	0.11	0.217	O	|	|	|	|	0.31
85.583	0.00	0.11	0.216	O	|	|	|	|	0.30
85.667	0.00	0.11	0.215	O	|	|	|	|	0.30
85.750	0.00	0.11	0.215	O	|	|	|	|	0.30
85.833	0.00	0.11	0.214	O	|	|	|	|	0.30
85.917	0.00	0.11	0.213	O	|	|	|	|	0.30
86.000	0.00	0.11	0.212	O	|	|	|	|	0.30
86.083	0.00	0.11	0.212	O	|	|	|	|	0.30
86.167	0.00	0.11	0.211	O	|	|	|	|	0.30
86.250	0.00	0.11	0.210	O	|	|	|	|	0.30
86.333	0.00	0.11	0.209	O	|	|	|	|	0.29
86.417	0.00	0.11	0.209	O	|	|	|	|	0.29
86.500	0.00	0.11	0.208	O	|	|	|	|	0.29
86.583	0.00	0.11	0.207	O	|	|	|	|	0.29
86.667	0.00	0.10	0.206	O	|	|	|	|	0.29
86.750	0.00	0.10	0.206	O	|	|	|	|	0.29
86.833	0.00	0.10	0.205	O	|	|	|	|	0.29
86.917	0.00	0.10	0.204	O	|	|	|	|	0.29
87.000	0.00	0.10	0.204	O	|	|	|	|	0.29
87.083	0.00	0.10	0.203	O	|	|	|	|	0.29
87.167	0.00	0.10	0.202	O	|	|	|	|	0.28
87.250	0.00	0.10	0.201	O	|	|	|	|	0.28
87.333	0.00	0.10	0.201	O	|	|	|	|	0.28
87.417	0.00	0.10	0.200	O	|	|	|	|	0.28
87.500	0.00	0.10	0.199	O	|	|	|	|	0.28
87.583	0.00	0.10	0.199	O	|	|	|	|	0.28
87.667	0.00	0.10	0.198	O	|	|	|	|	0.28
87.750	0.00	0.10	0.197	O	|	|	|	|	0.28
87.833	0.00	0.10	0.197	O	|	|	|	|	0.28
87.917	0.00	0.10	0.196	O	|	|	|	|	0.28
88.000	0.00	0.10	0.195	O	|	|	|	|	0.27
88.083	0.00	0.10	0.195	O	|	|	|	|	0.27
88.167	0.00	0.10	0.194	O	|	|	|	|	0.27
88.250	0.00	0.10	0.193	O	|	|	|	|	0.27
88.333	0.00	0.10	0.193	O	|	|	|	|	0.27
88.417	0.00	0.10	0.192	O	|	|	|	|	0.27
88.500	0.00	0.10	0.191	O	|	|	|	|	0.27
88.583	0.00	0.10	0.190	O	|	|	|	|	0.27
88.667	0.00	0.10	0.190	O	|	|	|	|	0.27
88.750	0.00	0.10	0.189	O	|	|	|	|	0.27
88.833	0.00	0.10	0.189	O	|	|	|	|	0.27
88.917	0.00	0.10	0.188	O	|	|	|	|	0.26
89.000	0.00	0.09	0.187	O	|	|	|	|	0.26
89.083	0.00	0.09	0.187	O	|	|	|	|	0.26
89.167	0.00	0.09	0.186	O	|	|	|	|	0.26
89.250	0.00	0.09	0.185	O	|	|	|	|	0.26
89.333	0.00	0.09	0.185	O	|	|	|	|	0.26
89.417	0.00	0.09	0.184	O	|	|	|	|	0.26
89.500	0.00	0.09	0.183	O	|	|	|	|	0.26
89.583	0.00	0.09	0.183	O	|	|	|	|	0.26
89.667	0.00	0.09	0.182	O	|	|	|	|	0.26
89.750	0.00	0.09	0.181	O	|	|	|	|	0.26

89.833	0.00	0.09	0.181	O	|	|	|	0.25
89.917	0.00	0.09	0.180	O	|	|	|	0.25
90.000	0.00	0.09	0.180	O	|	|	|	0.25
90.083	0.00	0.09	0.179	O	|	|	|	0.25
90.167	0.00	0.09	0.178	O	|	|	|	0.25
90.250	0.00	0.09	0.178	O	|	|	|	0.25
90.333	0.00	0.09	0.177	O	|	|	|	0.25
90.417	0.00	0.09	0.176	O	|	|	|	0.25
90.500	0.00	0.09	0.176	O	|	|	|	0.25
90.583	0.00	0.09	0.175	O	|	|	|	0.25
90.667	0.00	0.09	0.175	O	|	|	|	0.25
90.750	0.00	0.09	0.174	O	|	|	|	0.25
90.833	0.00	0.09	0.173	O	|	|	|	0.24
90.917	0.00	0.09	0.173	O	|	|	|	0.24
91.000	0.00	0.09	0.172	O	|	|	|	0.24
91.083	0.00	0.09	0.172	O	|	|	|	0.24
91.167	0.00	0.09	0.171	O	|	|	|	0.24
91.250	0.00	0.09	0.170	O	|	|	|	0.24
91.333	0.00	0.09	0.170	O	|	|	|	0.24
91.417	0.00	0.09	0.169	O	|	|	|	0.24
91.500	0.00	0.09	0.169	O	|	|	|	0.24
91.583	0.00	0.09	0.168	O	|	|	|	0.24
91.667	0.00	0.08	0.167	O	|	|	|	0.24
91.750	0.00	0.08	0.167	O	|	|	|	0.23
91.833	0.00	0.08	0.166	O	|	|	|	0.23
91.917	0.00	0.08	0.166	O	|	|	|	0.23
92.000	0.00	0.08	0.165	O	|	|	|	0.23
92.083	0.00	0.08	0.165	O	|	|	|	0.23
92.167	0.00	0.08	0.164	O	|	|	|	0.23
92.250	0.00	0.08	0.163	O	|	|	|	0.23
92.333	0.00	0.08	0.163	O	|	|	|	0.23
92.417	0.00	0.08	0.162	O	|	|	|	0.23
92.500	0.00	0.08	0.162	O	|	|	|	0.23
92.583	0.00	0.08	0.161	O	|	|	|	0.23
92.667	0.00	0.08	0.161	O	|	|	|	0.23
92.750	0.00	0.08	0.160	O	|	|	|	0.23
92.833	0.00	0.08	0.159	O	|	|	|	0.22
92.917	0.00	0.08	0.159	O	|	|	|	0.22
93.000	0.00	0.08	0.158	O	|	|	|	0.22
93.083	0.00	0.08	0.158	O	|	|	|	0.22
93.167	0.00	0.08	0.157	O	|	|	|	0.22
93.250	0.00	0.08	0.157	O	|	|	|	0.22
93.333	0.00	0.08	0.156	O	|	|	|	0.22
93.417	0.00	0.08	0.156	O	|	|	|	0.22
93.500	0.00	0.08	0.155	O	|	|	|	0.22
93.583	0.00	0.08	0.154	O	|	|	|	0.22
93.667	0.00	0.08	0.154	O	|	|	|	0.22
93.750	0.00	0.08	0.153	O	|	|	|	0.22
93.833	0.00	0.08	0.153	O	|	|	|	0.22
93.917	0.00	0.08	0.152	O	|	|	|	0.21
94.000	0.00	0.08	0.152	O	|	|	|	0.21
94.083	0.00	0.08	0.151	O	|	|	|	0.21
94.167	0.00	0.08	0.151	O	|	|	|	0.21
94.250	0.00	0.08	0.150	O	|	|	|	0.21
94.333	0.00	0.08	0.150	O	|	|	|	0.21
94.417	0.00	0.08	0.149	O	|	|	|	0.21
94.500	0.00	0.08	0.149	O	|	|	|	0.21
94.583	0.00	0.08	0.148	O	|	|	|	0.21
94.667	0.00	0.07	0.148	O	|	|	|	0.21
94.750	0.00	0.07	0.147	O	|	|	|	0.21
94.833	0.00	0.07	0.147	O	|	|	|	0.21
94.917	0.00	0.07	0.146	O	|	|	|	0.21
95.000	0.00	0.07	0.146	O	|	|	|	0.21
95.083	0.00	0.07	0.145	O	|	|	|	0.20
95.167	0.00	0.07	0.145	O	|	|	|	0.20
95.250	0.00	0.07	0.144	O	|	|	|	0.20
95.333	0.00	0.07	0.144	O	|	|	|	0.20

95.417	0.00	0.07	0.143	O	|	|	|	|	0.20
95.500	0.00	0.07	0.143	O	|	|	|	|	0.20
95.583	0.00	0.07	0.142	O	|	|	|	|	0.20
95.667	0.00	0.07	0.142	O	|	|	|	|	0.20
95.750	0.00	0.07	0.141	O	|	|	|	|	0.20
95.833	0.00	0.07	0.141	O	|	|	|	|	0.20
95.917	0.00	0.07	0.140	O	|	|	|	|	0.20
96.000	0.00	0.07	0.140	O	|	|	|	|	0.20
96.083	0.00	0.07	0.139	O	|	|	|	|	0.20
96.167	0.00	0.07	0.139	O	|	|	|	|	0.20
96.250	0.00	0.07	0.138	O	|	|	|	|	0.19
96.333	0.00	0.07	0.138	O	|	|	|	|	0.19
96.417	0.00	0.07	0.137	O	|	|	|	|	0.19
96.500	0.00	0.07	0.137	O	|	|	|	|	0.19
96.583	0.00	0.07	0.136	O	|	|	|	|	0.19
96.667	0.00	0.07	0.136	O	|	|	|	|	0.19
96.750	0.00	0.07	0.135	O	|	|	|	|	0.19
96.833	0.00	0.07	0.135	O	|	|	|	|	0.19
96.917	0.00	0.07	0.134	O	|	|	|	|	0.19
97.000	0.00	0.07	0.134	O	|	|	|	|	0.19
97.083	0.00	0.07	0.133	O	|	|	|	|	0.19
97.167	0.00	0.07	0.133	O	|	|	|	|	0.19
97.250	0.00	0.07	0.132	O	|	|	|	|	0.19
97.333	0.00	0.07	0.132	O	|	|	|	|	0.19
97.417	0.00	0.07	0.132	O	|	|	|	|	0.19
97.500	0.00	0.07	0.131	O	|	|	|	|	0.18
97.583	0.00	0.07	0.131	O	|	|	|	|	0.18
97.667	0.00	0.07	0.130	O	|	|	|	|	0.18
97.750	0.00	0.07	0.130	O	|	|	|	|	0.18
97.833	0.00	0.07	0.129	O	|	|	|	|	0.18
97.917	0.00	0.07	0.129	O	|	|	|	|	0.18
98.000	0.00	0.07	0.128	O	|	|	|	|	0.18
98.083	0.00	0.06	0.128	O	|	|	|	|	0.18
98.167	0.00	0.06	0.127	O	|	|	|	|	0.18
98.250	0.00	0.06	0.127	O	|	|	|	|	0.18
98.333	0.00	0.06	0.127	O	|	|	|	|	0.18
98.417	0.00	0.06	0.126	O	|	|	|	|	0.18
98.500	0.00	0.06	0.126	O	|	|	|	|	0.18
98.583	0.00	0.06	0.125	O	|	|	|	|	0.18
98.667	0.00	0.06	0.125	O	|	|	|	|	0.18
98.750	0.00	0.06	0.124	O	|	|	|	|	0.18
98.833	0.00	0.06	0.124	O	|	|	|	|	0.17
98.917	0.00	0.06	0.124	O	|	|	|	|	0.17
99.000	0.00	0.06	0.123	O	|	|	|	|	0.17
99.083	0.00	0.06	0.123	O	|	|	|	|	0.17
99.167	0.00	0.06	0.122	O	|	|	|	|	0.17
99.250	0.00	0.06	0.122	O	|	|	|	|	0.17
99.333	0.00	0.06	0.121	O	|	|	|	|	0.17
99.417	0.00	0.06	0.121	O	|	|	|	|	0.17
99.500	0.00	0.06	0.121	O	|	|	|	|	0.17
99.583	0.00	0.06	0.120	O	|	|	|	|	0.17
99.667	0.00	0.06	0.120	O	|	|	|	|	0.17
99.750	0.00	0.06	0.119	O	|	|	|	|	0.17
99.833	0.00	0.06	0.119	O	|	|	|	|	0.17
99.917	0.00	0.06	0.118	O	|	|	|	|	0.17
100.000	0.00	0.06	0.118	O	|	|	|	|	0.17
100.083	0.00	0.06	0.118	O	|	|	|	|	0.17
100.167	0.00	0.06	0.117	O	|	|	|	|	0.17
100.250	0.00	0.06	0.117	O	|	|	|	|	0.16
100.333	0.00	0.06	0.116	O	|	|	|	|	0.16
100.417	0.00	0.06	0.116	O	|	|	|	|	0.16
100.500	0.00	0.06	0.116	O	|	|	|	|	0.16
100.583	0.00	0.06	0.115	O	|	|	|	|	0.16
100.667	0.00	0.06	0.115	O	|	|	|	|	0.16
100.750	0.00	0.06	0.114	O	|	|	|	|	0.16
100.833	0.00	0.06	0.114	O	|	|	|	|	0.16
100.917	0.00	0.06	0.114	O	|	|	|	|	0.16

101.000	0.00	0.06	0.113	O	|	|	|	|	0.16
101.083	0.00	0.06	0.113	O	|	|	|	|	0.16
101.167	0.00	0.06	0.112	O	|	|	|	|	0.16
101.250	0.00	0.06	0.112	O	|	|	|	|	0.16
101.333	0.00	0.06	0.112	O	|	|	|	|	0.16
101.417	0.00	0.06	0.111	O	|	|	|	|	0.16
101.500	0.00	0.06	0.111	O	|	|	|	|	0.16
101.583	0.00	0.06	0.110	O	|	|	|	|	0.16
101.667	0.00	0.06	0.110	O	|	|	|	|	0.16
101.750	0.00	0.06	0.110	O	|	|	|	|	0.15
101.833	0.00	0.06	0.109	O	|	|	|	|	0.15
101.917	0.00	0.06	0.109	O	|	|	|	|	0.15
102.000	0.00	0.06	0.109	O	|	|	|	|	0.15
102.083	0.00	0.05	0.108	O	|	|	|	|	0.15
102.167	0.00	0.05	0.108	O	|	|	|	|	0.15
102.250	0.00	0.05	0.107	O	|	|	|	|	0.15
102.333	0.00	0.05	0.107	O	|	|	|	|	0.15
102.417	0.00	0.05	0.107	O	|	|	|	|	0.15
102.500	0.00	0.05	0.106	O	|	|	|	|	0.15
102.583	0.00	0.05	0.106	O	|	|	|	|	0.15
102.667	0.00	0.05	0.106	O	|	|	|	|	0.15
102.750	0.00	0.05	0.105	O	|	|	|	|	0.15
102.833	0.00	0.05	0.105	O	|	|	|	|	0.15
102.917	0.00	0.05	0.104	O	|	|	|	|	0.15
103.000	0.00	0.05	0.104	O	|	|	|	|	0.15
103.083	0.00	0.05	0.104	O	|	|	|	|	0.15
103.167	0.00	0.05	0.103	O	|	|	|	|	0.15
103.250	0.00	0.05	0.103	O	|	|	|	|	0.15
103.333	0.00	0.05	0.103	O	|	|	|	|	0.14
103.417	0.00	0.05	0.102	O	|	|	|	|	0.14
103.500	0.00	0.05	0.102	O	|	|	|	|	0.14
103.583	0.00	0.05	0.102	O	|	|	|	|	0.14
103.667	0.00	0.05	0.101	O	|	|	|	|	0.14
103.750	0.00	0.05	0.101	O	|	|	|	|	0.14
103.833	0.00	0.05	0.101	O	|	|	|	|	0.14
103.917	0.00	0.05	0.100	O	|	|	|	|	0.14
104.000	0.00	0.05	0.100	O	|	|	|	|	0.14
104.083	0.00	0.05	0.099	O	|	|	|	|	0.14
104.167	0.00	0.05	0.099	O	|	|	|	|	0.14
104.250	0.00	0.05	0.099	O	|	|	|	|	0.14
104.333	0.00	0.05	0.098	O	|	|	|	|	0.14
104.417	0.00	0.05	0.098	O	|	|	|	|	0.14
104.500	0.00	0.05	0.098	O	|	|	|	|	0.14
104.583	0.00	0.05	0.097	O	|	|	|	|	0.14
104.667	0.00	0.05	0.097	O	|	|	|	|	0.14
104.750	0.00	0.05	0.097	O	|	|	|	|	0.14
104.833	0.00	0.05	0.096	O	|	|	|	|	0.14
104.917	0.00	0.05	0.096	O	|	|	|	|	0.14
105.000	0.00	0.05	0.096	O	|	|	|	|	0.13
105.083	0.00	0.05	0.095	O	|	|	|	|	0.13
105.167	0.00	0.05	0.095	O	|	|	|	|	0.13
105.250	0.00	0.05	0.095	O	|	|	|	|	0.13
105.333	0.00	0.05	0.094	O	|	|	|	|	0.13
105.417	0.00	0.05	0.094	O	|	|	|	|	0.13
105.500	0.00	0.05	0.094	O	|	|	|	|	0.13
105.583	0.00	0.05	0.093	O	|	|	|	|	0.13
105.667	0.00	0.05	0.093	O	|	|	|	|	0.13
105.750	0.00	0.05	0.093	O	|	|	|	|	0.13
105.833	0.00	0.05	0.092	O	|	|	|	|	0.13
105.917	0.00	0.05	0.092	O	|	|	|	|	0.13
106.000	0.00	0.05	0.092	O	|	|	|	|	0.13
106.083	0.00	0.05	0.091	O	|	|	|	|	0.13
106.167	0.00	0.05	0.091	O	|	|	|	|	0.13
106.250	0.00	0.05	0.091	O	|	|	|	|	0.13
106.333	0.00	0.05	0.091	O	|	|	|	|	0.13
106.417	0.00	0.05	0.090	O	|	|	|	|	0.13
106.500	0.00	0.05	0.090	O	|	|	|	|	0.13

106.583	0.00	0.05	0.090	O	|	|	|	|	0.13
106.667	0.00	0.05	0.089	O	|	|	|	|	0.13
106.750	0.00	0.05	0.089	O	|	|	|	|	0.13
106.833	0.00	0.04	0.089	O	|	|	|	|	0.12
106.917	0.00	0.04	0.088	O	|	|	|	|	0.12
107.000	0.00	0.04	0.088	O	|	|	|	|	0.12
107.083	0.00	0.04	0.088	O	|	|	|	|	0.12
107.167	0.00	0.04	0.087	O	|	|	|	|	0.12
107.250	0.00	0.04	0.087	O	|	|	|	|	0.12
107.333	0.00	0.04	0.087	O	|	|	|	|	0.12
107.417	0.00	0.04	0.087	O	|	|	|	|	0.12
107.500	0.00	0.04	0.086	O	|	|	|	|	0.12
107.583	0.00	0.04	0.086	O	|	|	|	|	0.12
107.667	0.00	0.04	0.086	O	|	|	|	|	0.12
107.750	0.00	0.04	0.085	O	|	|	|	|	0.12
107.833	0.00	0.04	0.085	O	|	|	|	|	0.12
107.917	0.00	0.04	0.085	O	|	|	|	|	0.12
108.000	0.00	0.04	0.084	O	|	|	|	|	0.12
108.083	0.00	0.04	0.084	O	|	|	|	|	0.12
108.167	0.00	0.04	0.084	O	|	|	|	|	0.12
108.250	0.00	0.04	0.084	O	|	|	|	|	0.12
108.333	0.00	0.04	0.083	O	|	|	|	|	0.12
108.417	0.00	0.04	0.083	O	|	|	|	|	0.12
108.500	0.00	0.04	0.083	O	|	|	|	|	0.12
108.583	0.00	0.04	0.082	O	|	|	|	|	0.12
108.667	0.00	0.04	0.082	O	|	|	|	|	0.12
108.750	0.00	0.04	0.082	O	|	|	|	|	0.12
108.833	0.00	0.04	0.082	O	|	|	|	|	0.11
108.917	0.00	0.04	0.081	O	|	|	|	|	0.11
109.000	0.00	0.04	0.081	O	|	|	|	|	0.11
109.083	0.00	0.04	0.081	O	|	|	|	|	0.11
109.167	0.00	0.04	0.080	O	|	|	|	|	0.11
109.250	0.00	0.04	0.080	O	|	|	|	|	0.11
109.333	0.00	0.04	0.080	O	|	|	|	|	0.11
109.417	0.00	0.04	0.080	O	|	|	|	|	0.11
109.500	0.00	0.04	0.079	O	|	|	|	|	0.11
109.583	0.00	0.04	0.079	O	|	|	|	|	0.11
109.667	0.00	0.04	0.079	O	|	|	|	|	0.11
109.750	0.00	0.04	0.078	O	|	|	|	|	0.11
109.833	0.00	0.04	0.078	O	|	|	|	|	0.11
109.917	0.00	0.04	0.078	O	|	|	|	|	0.11
110.000	0.00	0.04	0.078	O	|	|	|	|	0.11
110.083	0.00	0.04	0.077	O	|	|	|	|	0.11
110.167	0.00	0.04	0.077	O	|	|	|	|	0.11
110.250	0.00	0.04	0.077	O	|	|	|	|	0.11
110.333	0.00	0.04	0.077	O	|	|	|	|	0.11
110.417	0.00	0.04	0.076	O	|	|	|	|	0.11
110.500	0.00	0.04	0.076	O	|	|	|	|	0.11
110.583	0.00	0.04	0.076	O	|	|	|	|	0.11
110.667	0.00	0.04	0.076	O	|	|	|	|	0.11
110.750	0.00	0.04	0.075	O	|	|	|	|	0.11
110.833	0.00	0.04	0.075	O	|	|	|	|	0.11
110.917	0.00	0.04	0.075	O	|	|	|	|	0.11
111.000	0.00	0.04	0.074	O	|	|	|	|	0.10
111.083	0.00	0.04	0.074	O	|	|	|	|	0.10
111.167	0.00	0.04	0.074	O	|	|	|	|	0.10
111.250	0.00	0.04	0.074	O	|	|	|	|	0.10
111.333	0.00	0.04	0.073	O	|	|	|	|	0.10
111.417	0.00	0.04	0.073	O	|	|	|	|	0.10
111.500	0.00	0.04	0.073	O	|	|	|	|	0.10
111.583	0.00	0.04	0.073	O	|	|	|	|	0.10
111.667	0.00	0.04	0.072	O	|	|	|	|	0.10
111.750	0.00	0.04	0.072	O	|	|	|	|	0.10
111.833	0.00	0.04	0.072	O	|	|	|	|	0.10
111.917	0.00	0.04	0.072	O	|	|	|	|	0.10
112.000	0.00	0.04	0.071	O	|	|	|	|	0.10
112.083	0.00	0.04	0.071	O	|	|	|	|	0.10

112.167	0.00	0.04	0.071	O	|	|	|	0.10
112.250	0.00	0.04	0.071	O	|	|	|	0.10
112.333	0.00	0.04	0.070	O	|	|	|	0.10
112.417	0.00	0.04	0.070	O	|	|	|	0.10
112.500	0.00	0.04	0.070	O	|	|	|	0.10
112.583	0.00	0.04	0.070	O	|	|	|	0.10
112.667	0.00	0.04	0.069	O	|	|	|	0.10
112.750	0.00	0.04	0.069	O	|	|	|	0.10
112.833	0.00	0.03	0.069	O	|	|	|	0.10
112.917	0.00	0.03	0.069	O	|	|	|	0.10
113.000	0.00	0.03	0.068	O	|	|	|	0.10
113.083	0.00	0.03	0.068	O	|	|	|	0.10
113.167	0.00	0.03	0.068	O	|	|	|	0.10
113.250	0.00	0.03	0.068	O	|	|	|	0.10
113.333	0.00	0.03	0.068	O	|	|	|	0.10
113.417	0.00	0.03	0.067	O	|	|	|	0.09
113.500	0.00	0.03	0.067	O	|	|	|	0.09
113.583	0.00	0.03	0.067	O	|	|	|	0.09
113.667	0.00	0.03	0.067	O	|	|	|	0.09
113.750	0.00	0.03	0.066	O	|	|	|	0.09
113.833	0.00	0.03	0.066	O	|	|	|	0.09
113.917	0.00	0.03	0.066	O	|	|	|	0.09
114.000	0.00	0.03	0.066	O	|	|	|	0.09
114.083	0.00	0.03	0.065	O	|	|	|	0.09
114.167	0.00	0.03	0.065	O	|	|	|	0.09
114.250	0.00	0.03	0.065	O	|	|	|	0.09
114.333	0.00	0.03	0.065	O	|	|	|	0.09
114.417	0.00	0.03	0.065	O	|	|	|	0.09
114.500	0.00	0.03	0.064	O	|	|	|	0.09
114.583	0.00	0.03	0.064	O	|	|	|	0.09
114.667	0.00	0.03	0.064	O	|	|	|	0.09
114.750	0.00	0.03	0.064	O	|	|	|	0.09
114.833	0.00	0.03	0.063	O	|	|	|	0.09
114.917	0.00	0.03	0.063	O	|	|	|	0.09
115.000	0.00	0.03	0.063	O	|	|	|	0.09
115.083	0.00	0.03	0.063	O	|	|	|	0.09
115.167	0.00	0.03	0.063	O	|	|	|	0.09
115.250	0.00	0.03	0.062	O	|	|	|	0.09
115.333	0.00	0.03	0.062	O	|	|	|	0.09
115.417	0.00	0.03	0.062	O	|	|	|	0.09
115.500	0.00	0.03	0.062	O	|	|	|	0.09
115.583	0.00	0.03	0.061	O	|	|	|	0.09
115.667	0.00	0.03	0.061	O	|	|	|	0.09
115.750	0.00	0.03	0.061	O	|	|	|	0.09
115.833	0.00	0.03	0.061	O	|	|	|	0.09
115.917	0.00	0.03	0.061	O	|	|	|	0.09
116.000	0.00	0.03	0.060	O	|	|	|	0.09
116.083	0.00	0.03	0.060	O	|	|	|	0.08
116.167	0.00	0.03	0.060	O	|	|	|	0.08
116.250	0.00	0.03	0.060	O	|	|	|	0.08
116.333	0.00	0.03	0.060	O	|	|	|	0.08
116.417	0.00	0.03	0.059	O	|	|	|	0.08
116.500	0.00	0.03	0.059	O	|	|	|	0.08
116.583	0.00	0.03	0.059	O	|	|	|	0.08
116.667	0.00	0.03	0.059	O	|	|	|	0.08
116.750	0.00	0.03	0.059	O	|	|	|	0.08
116.833	0.00	0.03	0.058	O	|	|	|	0.08
116.917	0.00	0.03	0.058	O	|	|	|	0.08
117.000	0.00	0.03	0.058	O	|	|	|	0.08
117.083	0.00	0.03	0.058	O	|	|	|	0.08
117.167	0.00	0.03	0.058	O	|	|	|	0.08
117.250	0.00	0.03	0.057	O	|	|	|	0.08
117.333	0.00	0.03	0.057	O	|	|	|	0.08
117.417	0.00	0.03	0.057	O	|	|	|	0.08
117.500	0.00	0.03	0.057	O	|	|	|	0.08
117.583	0.00	0.03	0.057	O	|	|	|	0.08
117.667	0.00	0.03	0.056	O	|	|	|	0.08

117.750	0.00	0.03	0.056	O	|	|	|	0.08
117.833	0.00	0.03	0.056	O	|	|	|	0.08
117.917	0.00	0.03	0.056	O	|	|	|	0.08
118.000	0.00	0.03	0.056	O	|	|	|	0.08
118.083	0.00	0.03	0.055	O	|	|	|	0.08
118.167	0.00	0.03	0.055	O	|	|	|	0.08
118.250	0.00	0.03	0.055	O	|	|	|	0.08
118.333	0.00	0.03	0.055	O	|	|	|	0.08
118.417	0.00	0.03	0.055	O	|	|	|	0.08
118.500	0.00	0.03	0.054	O	|	|	|	0.08
118.583	0.00	0.03	0.054	O	|	|	|	0.08
118.667	0.00	0.03	0.054	O	|	|	|	0.08
118.750	0.00	0.03	0.054	O	|	|	|	0.08
118.833	0.00	0.03	0.054	O	|	|	|	0.08
118.917	0.00	0.03	0.053	O	|	|	|	0.08
119.000	0.00	0.03	0.053	O	|	|	|	0.08
119.083	0.00	0.03	0.053	O	|	|	|	0.07
119.167	0.00	0.03	0.053	O	|	|	|	0.07
119.250	0.00	0.03	0.053	O	|	|	|	0.07
119.333	0.00	0.03	0.053	O	|	|	|	0.07
119.417	0.00	0.03	0.052	O	|	|	|	0.07
119.500	0.00	0.03	0.052	O	|	|	|	0.07
119.583	0.00	0.03	0.052	O	|	|	|	0.07
119.667	0.00	0.03	0.052	O	|	|	|	0.07
119.750	0.00	0.03	0.052	O	|	|	|	0.07
119.833	0.00	0.03	0.051	O	|	|	|	0.07
119.917	0.00	0.03	0.051	O	|	|	|	0.07
120.000	0.00	0.03	0.051	O	|	|	|	0.07
120.083	0.00	0.03	0.051	O	|	|	|	0.07
120.167	0.00	0.03	0.051	O	|	|	|	0.07
120.250	0.00	0.03	0.051	O	|	|	|	0.07
120.333	0.00	0.03	0.050	O	|	|	|	0.07
120.417	0.00	0.03	0.050	O	|	|	|	0.07
120.500	0.00	0.03	0.050	O	|	|	|	0.07
120.583	0.00	0.03	0.050	O	|	|	|	0.07
120.667	0.00	0.03	0.050	O	|	|	|	0.07
120.750	0.00	0.03	0.049	O	|	|	|	0.07
120.833	0.00	0.03	0.049	O	|	|	|	0.07
120.917	0.00	0.02	0.049	O	|	|	|	0.07
121.000	0.00	0.02	0.049	O	|	|	|	0.07
121.083	0.00	0.02	0.049	O	|	|	|	0.07
121.167	0.00	0.02	0.049	O	|	|	|	0.07
121.250	0.00	0.02	0.048	O	|	|	|	0.07
121.333	0.00	0.02	0.048	O	|	|	|	0.07
121.417	0.00	0.02	0.048	O	|	|	|	0.07
121.500	0.00	0.02	0.048	O	|	|	|	0.07
121.583	0.00	0.02	0.048	O	|	|	|	0.07
121.667	0.00	0.02	0.048	O	|	|	|	0.07
121.750	0.00	0.02	0.047	O	|	|	|	0.07
121.833	0.00	0.02	0.047	O	|	|	|	0.07
121.917	0.00	0.02	0.047	O	|	|	|	0.07
122.000	0.00	0.02	0.047	O	|	|	|	0.07
122.083	0.00	0.02	0.047	O	|	|	|	0.07
122.167	0.00	0.02	0.047	O	|	|	|	0.07
122.250	0.00	0.02	0.046	O	|	|	|	0.07
122.333	0.00	0.02	0.046	O	|	|	|	0.07
122.417	0.00	0.02	0.046	O	|	|	|	0.06
122.500	0.00	0.02	0.046	O	|	|	|	0.06
122.583	0.00	0.02	0.046	O	|	|	|	0.06
122.667	0.00	0.02	0.046	O	|	|	|	0.06
122.750	0.00	0.02	0.046	O	|	|	|	0.06
122.833	0.00	0.02	0.045	O	|	|	|	0.06
122.917	0.00	0.02	0.045	O	|	|	|	0.06
123.000	0.00	0.02	0.045	O	|	|	|	0.06
123.083	0.00	0.02	0.045	O	|	|	|	0.06
123.167	0.00	0.02	0.045	O	|	|	|	0.06
123.250	0.00	0.02	0.045	O	|	|	|	0.06

123.333	0.00	0.02	0.044	O	|	|	|	|	0.06
123.417	0.00	0.02	0.044	O	|	|	|	|	0.06
123.500	0.00	0.02	0.044	O	|	|	|	|	0.06
123.583	0.00	0.02	0.044	O	|	|	|	|	0.06
123.667	0.00	0.02	0.044	O	|	|	|	|	0.06
123.750	0.00	0.02	0.044	O	|	|	|	|	0.06
123.833	0.00	0.02	0.043	O	|	|	|	|	0.06
123.917	0.00	0.02	0.043	O	|	|	|	|	0.06
124.000	0.00	0.02	0.043	O	|	|	|	|	0.06
124.083	0.00	0.02	0.043	O	|	|	|	|	0.06
124.167	0.00	0.02	0.043	O	|	|	|	|	0.06
124.250	0.00	0.02	0.043	O	|	|	|	|	0.06
124.333	0.00	0.02	0.043	O	|	|	|	|	0.06
124.417	0.00	0.02	0.042	O	|	|	|	|	0.06
124.500	0.00	0.02	0.042	O	|	|	|	|	0.06
124.583	0.00	0.02	0.042	O	|	|	|	|	0.06
124.667	0.00	0.02	0.042	O	|	|	|	|	0.06
124.750	0.00	0.02	0.042	O	|	|	|	|	0.06
124.833	0.00	0.02	0.042	O	|	|	|	|	0.06
124.917	0.00	0.02	0.042	O	|	|	|	|	0.06
125.000	0.00	0.02	0.041	O	|	|	|	|	0.06
125.083	0.00	0.02	0.041	O	|	|	|	|	0.06
125.167	0.00	0.02	0.041	O	|	|	|	|	0.06
125.250	0.00	0.02	0.041	O	|	|	|	|	0.06
125.333	0.00	0.02	0.041	O	|	|	|	|	0.06
125.417	0.00	0.02	0.041	O	|	|	|	|	0.06
125.500	0.00	0.02	0.041	O	|	|	|	|	0.06
125.583	0.00	0.02	0.040	O	|	|	|	|	0.06
125.667	0.00	0.02	0.040	O	|	|	|	|	0.06
125.750	0.00	0.02	0.040	O	|	|	|	|	0.06
125.833	0.00	0.02	0.040	O	|	|	|	|	0.06
125.917	0.00	0.02	0.040	O	|	|	|	|	0.06
126.000	0.00	0.02	0.040	O	|	|	|	|	0.06
126.083	0.00	0.02	0.040	O	|	|	|	|	0.06
126.167	0.00	0.02	0.039	O	|	|	|	|	0.06
126.250	0.00	0.02	0.039	O	|	|	|	|	0.06
126.333	0.00	0.02	0.039	O	|	|	|	|	0.06
126.417	0.00	0.02	0.039	O	|	|	|	|	0.05
126.500	0.00	0.02	0.039	O	|	|	|	|	0.05
126.583	0.00	0.02	0.039	O	|	|	|	|	0.05
126.667	0.00	0.02	0.039	O	|	|	|	|	0.05
126.750	0.00	0.02	0.038	O	|	|	|	|	0.05
126.833	0.00	0.02	0.038	O	|	|	|	|	0.05
126.917	0.00	0.02	0.038	O	|	|	|	|	0.05
127.000	0.00	0.02	0.038	O	|	|	|	|	0.05
127.083	0.00	0.02	0.038	O	|	|	|	|	0.05
127.167	0.00	0.02	0.038	O	|	|	|	|	0.05
127.250	0.00	0.02	0.038	O	|	|	|	|	0.05
127.333	0.00	0.02	0.038	O	|	|	|	|	0.05
127.417	0.00	0.02	0.037	O	|	|	|	|	0.05
127.500	0.00	0.02	0.037	O	|	|	|	|	0.05
127.583	0.00	0.02	0.037	O	|	|	|	|	0.05
127.667	0.00	0.02	0.037	O	|	|	|	|	0.05
127.750	0.00	0.02	0.037	O	|	|	|	|	0.05
127.833	0.00	0.02	0.037	O	|	|	|	|	0.05
127.917	0.00	0.02	0.037	O	|	|	|	|	0.05
128.000	0.00	0.02	0.037	O	|	|	|	|	0.05
128.083	0.00	0.02	0.036	O	|	|	|	|	0.05
128.167	0.00	0.02	0.036	O	|	|	|	|	0.05
128.250	0.00	0.02	0.036	O	|	|	|	|	0.05
128.333	0.00	0.02	0.036	O	|	|	|	|	0.05
128.417	0.00	0.02	0.036	O	|	|	|	|	0.05
128.500	0.00	0.02	0.036	O	|	|	|	|	0.05
128.583	0.00	0.02	0.036	O	|	|	|	|	0.05
128.667	0.00	0.02	0.036	O	|	|	|	|	0.05
128.750	0.00	0.02	0.035	O	|	|	|	|	0.05
128.833	0.00	0.02	0.035	O	|	|	|	|	0.05

128.917	0.00	0.02	0.035	O	|	|	|	|	0.05
129.000	0.00	0.02	0.035	O	|	|	|	|	0.05
129.083	0.00	0.02	0.035	O	|	|	|	|	0.05
129.167	0.00	0.02	0.035	O	|	|	|	|	0.05
129.250	0.00	0.02	0.035	O	|	|	|	|	0.05
129.333	0.00	0.02	0.035	O	|	|	|	|	0.05
129.417	0.00	0.02	0.034	O	|	|	|	|	0.05
129.500	0.00	0.02	0.034	O	|	|	|	|	0.05
129.583	0.00	0.02	0.034	O	|	|	|	|	0.05
129.667	0.00	0.02	0.034	O	|	|	|	|	0.05
129.750	0.00	0.02	0.034	O	|	|	|	|	0.05
129.833	0.00	0.02	0.034	O	|	|	|	|	0.05
129.917	0.00	0.02	0.034	O	|	|	|	|	0.05
130.000	0.00	0.02	0.034	O	|	|	|	|	0.05
130.083	0.00	0.02	0.033	O	|	|	|	|	0.05
130.167	0.00	0.02	0.033	O	|	|	|	|	0.05
130.250	0.00	0.02	0.033	O	|	|	|	|	0.05
130.333	0.00	0.02	0.033	O	|	|	|	|	0.05
130.417	0.00	0.02	0.033	O	|	|	|	|	0.05
130.500	0.00	0.02	0.033	O	|	|	|	|	0.05
130.583	0.00	0.02	0.033	O	|	|	|	|	0.05
130.667	0.00	0.02	0.033	O	|	|	|	|	0.05
130.750	0.00	0.02	0.033	O	|	|	|	|	0.05
130.833	0.00	0.02	0.032	O	|	|	|	|	0.05
130.917	0.00	0.02	0.032	O	|	|	|	|	0.05
131.000	0.00	0.02	0.032	O	|	|	|	|	0.05
131.083	0.00	0.02	0.032	O	|	|	|	|	0.05
131.167	0.00	0.02	0.032	O	|	|	|	|	0.05
131.250	0.00	0.02	0.032	O	|	|	|	|	0.04
131.333	0.00	0.02	0.032	O	|	|	|	|	0.04
131.417	0.00	0.02	0.032	O	|	|	|	|	0.04
131.500	0.00	0.02	0.032	O	|	|	|	|	0.04
131.583	0.00	0.02	0.031	O	|	|	|	|	0.04
131.667	0.00	0.02	0.031	O	|	|	|	|	0.04
131.750	0.00	0.02	0.031	O	|	|	|	|	0.04
131.833	0.00	0.02	0.031	O	|	|	|	|	0.04
131.917	0.00	0.02	0.031	O	|	|	|	|	0.04
132.000	0.00	0.02	0.031	O	|	|	|	|	0.04
132.083	0.00	0.02	0.031	O	|	|	|	|	0.04
132.167	0.00	0.02	0.031	O	|	|	|	|	0.04
132.250	0.00	0.02	0.031	O	|	|	|	|	0.04
132.333	0.00	0.02	0.030	O	|	|	|	|	0.04
132.417	0.00	0.02	0.030	O	|	|	|	|	0.04
132.500	0.00	0.02	0.030	O	|	|	|	|	0.04
132.583	0.00	0.02	0.030	O	|	|	|	|	0.04
132.667	0.00	0.02	0.030	O	|	|	|	|	0.04
132.750	0.00	0.02	0.030	O	|	|	|	|	0.04
132.833	0.00	0.02	0.030	O	|	|	|	|	0.04
132.917	0.00	0.02	0.030	O	|	|	|	|	0.04
133.000	0.00	0.02	0.030	O	|	|	|	|	0.04
133.083	0.00	0.01	0.030	O	|	|	|	|	0.04
133.167	0.00	0.01	0.029	O	|	|	|	|	0.04
133.250	0.00	0.01	0.029	O	|	|	|	|	0.04
133.333	0.00	0.01	0.029	O	|	|	|	|	0.04
133.417	0.00	0.01	0.029	O	|	|	|	|	0.04
133.500	0.00	0.01	0.029	O	|	|	|	|	0.04
133.583	0.00	0.01	0.029	O	|	|	|	|	0.04
133.667	0.00	0.01	0.029	O	|	|	|	|	0.04
133.750	0.00	0.01	0.029	O	|	|	|	|	0.04
133.833	0.00	0.01	0.029	O	|	|	|	|	0.04
133.917	0.00	0.01	0.029	O	|	|	|	|	0.04
134.000	0.00	0.01	0.028	O	|	|	|	|	0.04
134.083	0.00	0.01	0.028	O	|	|	|	|	0.04
134.167	0.00	0.01	0.028	O	|	|	|	|	0.04
134.250	0.00	0.01	0.028	O	|	|	|	|	0.04
134.333	0.00	0.01	0.028	O	|	|	|	|	0.04
134.417	0.00	0.01	0.028	O	|	|	|	|	0.04

134.500	0.00	0.01	0.028	O	|	|	|	|	0.04
134.583	0.00	0.01	0.028	O	|	|	|	|	0.04
134.667	0.00	0.01	0.028	O	|	|	|	|	0.04
134.750	0.00	0.01	0.028	O	|	|	|	|	0.04
134.833	0.00	0.01	0.027	O	|	|	|	|	0.04
134.917	0.00	0.01	0.027	O	|	|	|	|	0.04
135.000	0.00	0.01	0.027	O	|	|	|	|	0.04
135.083	0.00	0.01	0.027	O	|	|	|	|	0.04
135.167	0.00	0.01	0.027	O	|	|	|	|	0.04
135.250	0.00	0.01	0.027	O	|	|	|	|	0.04
135.333	0.00	0.01	0.027	O	|	|	|	|	0.04
135.417	0.00	0.01	0.027	O	|	|	|	|	0.04
135.500	0.00	0.01	0.027	O	|	|	|	|	0.04
135.583	0.00	0.01	0.027	O	|	|	|	|	0.04
135.667	0.00	0.01	0.026	O	|	|	|	|	0.04
135.750	0.00	0.01	0.026	O	|	|	|	|	0.04
135.833	0.00	0.01	0.026	O	|	|	|	|	0.04
135.917	0.00	0.01	0.026	O	|	|	|	|	0.04
136.000	0.00	0.01	0.026	O	|	|	|	|	0.04
136.083	0.00	0.01	0.026	O	|	|	|	|	0.04
136.167	0.00	0.01	0.026	O	|	|	|	|	0.04
136.250	0.00	0.01	0.026	O	|	|	|	|	0.04
136.333	0.00	0.01	0.026	O	|	|	|	|	0.04
136.417	0.00	0.01	0.026	O	|	|	|	|	0.04
136.500	0.00	0.01	0.026	O	|	|	|	|	0.04
136.583	0.00	0.01	0.025	O	|	|	|	|	0.04
136.667	0.00	0.01	0.025	O	|	|	|	|	0.04
136.750	0.00	0.01	0.025	O	|	|	|	|	0.04
136.833	0.00	0.01	0.025	O	|	|	|	|	0.04
136.917	0.00	0.01	0.025	O	|	|	|	|	0.04
137.000	0.00	0.01	0.025	O	|	|	|	|	0.04
137.083	0.00	0.01	0.025	O	|	|	|	|	0.04
137.167	0.00	0.01	0.025	O	|	|	|	|	0.04
137.250	0.00	0.01	0.025	O	|	|	|	|	0.03
137.333	0.00	0.01	0.025	O	|	|	|	|	0.03
137.417	0.00	0.01	0.025	O	|	|	|	|	0.03
137.500	0.00	0.01	0.025	O	|	|	|	|	0.03
137.583	0.00	0.01	0.024	O	|	|	|	|	0.03
137.667	0.00	0.01	0.024	O	|	|	|	|	0.03
137.750	0.00	0.01	0.024	O	|	|	|	|	0.03
137.833	0.00	0.01	0.024	O	|	|	|	|	0.03
137.917	0.00	0.01	0.024	O	|	|	|	|	0.03
138.000	0.00	0.01	0.024	O	|	|	|	|	0.03
138.083	0.00	0.01	0.024	O	|	|	|	|	0.03
138.167	0.00	0.01	0.024	O	|	|	|	|	0.03
138.250	0.00	0.01	0.024	O	|	|	|	|	0.03
138.333	0.00	0.01	0.024	O	|	|	|	|	0.03
138.417	0.00	0.01	0.024	O	|	|	|	|	0.03
138.500	0.00	0.01	0.024	O	|	|	|	|	0.03
138.583	0.00	0.01	0.023	O	|	|	|	|	0.03
138.667	0.00	0.01	0.023	O	|	|	|	|	0.03
138.750	0.00	0.01	0.023	O	|	|	|	|	0.03
138.833	0.00	0.01	0.023	O	|	|	|	|	0.03
138.917	0.00	0.01	0.023	O	|	|	|	|	0.03
139.000	0.00	0.01	0.023	O	|	|	|	|	0.03
139.083	0.00	0.01	0.023	O	|	|	|	|	0.03
139.167	0.00	0.01	0.023	O	|	|	|	|	0.03
139.250	0.00	0.01	0.023	O	|	|	|	|	0.03
139.333	0.00	0.01	0.023	O	|	|	|	|	0.03
139.417	0.00	0.01	0.023	O	|	|	|	|	0.03
139.500	0.00	0.01	0.023	O	|	|	|	|	0.03
139.583	0.00	0.01	0.022	O	|	|	|	|	0.03
139.667	0.00	0.01	0.022	O	|	|	|	|	0.03
139.750	0.00	0.01	0.022	O	|	|	|	|	0.03
139.833	0.00	0.01	0.022	O	|	|	|	|	0.03
139.917	0.00	0.01	0.022	O	|	|	|	|	0.03
140.000	0.00	0.01	0.022	O	|	|	|	|	0.03

140.083	0.00	0.01	0.022	O	|	|	|	|	0.03
140.167	0.00	0.01	0.022	O	|	|	|	|	0.03
140.250	0.00	0.01	0.022	O	|	|	|	|	0.03
140.333	0.00	0.01	0.022	O	|	|	|	|	0.03
140.417	0.00	0.01	0.022	O	|	|	|	|	0.03
140.500	0.00	0.01	0.022	O	|	|	|	|	0.03
140.583	0.00	0.01	0.022	O	|	|	|	|	0.03
140.667	0.00	0.01	0.021	O	|	|	|	|	0.03
140.750	0.00	0.01	0.021	O	|	|	|	|	0.03
140.833	0.00	0.01	0.021	O	|	|	|	|	0.03
140.917	0.00	0.01	0.021	O	|	|	|	|	0.03
141.000	0.00	0.01	0.021	O	|	|	|	|	0.03
141.083	0.00	0.01	0.021	O	|	|	|	|	0.03
141.167	0.00	0.01	0.021	O	|	|	|	|	0.03
141.250	0.00	0.01	0.021	O	|	|	|	|	0.03
141.333	0.00	0.01	0.021	O	|	|	|	|	0.03
141.417	0.00	0.01	0.021	O	|	|	|	|	0.03
141.500	0.00	0.01	0.021	O	|	|	|	|	0.03
141.583	0.00	0.01	0.021	O	|	|	|	|	0.03
141.667	0.00	0.01	0.021	O	|	|	|	|	0.03
141.750	0.00	0.01	0.021	O	|	|	|	|	0.03
141.833	0.00	0.01	0.020	O	|	|	|	|	0.03
141.917	0.00	0.01	0.020	O	|	|	|	|	0.03
142.000	0.00	0.01	0.020	O	|	|	|	|	0.03
142.083	0.00	0.01	0.020	O	|	|	|	|	0.03
142.167	0.00	0.01	0.020	O	|	|	|	|	0.03
142.250	0.00	0.01	0.020	O	|	|	|	|	0.03
142.333	0.00	0.01	0.020	O	|	|	|	|	0.03
142.417	0.00	0.01	0.020	O	|	|	|	|	0.03
142.500	0.00	0.01	0.020	O	|	|	|	|	0.03
142.583	0.00	0.01	0.020	O	|	|	|	|	0.03
142.667	0.00	0.01	0.020	O	|	|	|	|	0.03
142.750	0.00	0.01	0.020	O	|	|	|	|	0.03
142.833	0.00	0.01	0.020	O	|	|	|	|	0.03
142.917	0.00	0.01	0.020	O	|	|	|	|	0.03
143.000	0.00	0.01	0.019	O	|	|	|	|	0.03
143.083	0.00	0.01	0.019	O	|	|	|	|	0.03
143.167	0.00	0.01	0.019	O	|	|	|	|	0.03
143.250	0.00	0.01	0.019	O	|	|	|	|	0.03
143.333	0.00	0.01	0.019	O	|	|	|	|	0.03
143.417	0.00	0.01	0.019	O	|	|	|	|	0.03
143.500	0.00	0.01	0.019	O	|	|	|	|	0.03
143.583	0.00	0.01	0.019	O	|	|	|	|	0.03
143.667	0.00	0.01	0.019	O	|	|	|	|	0.03
143.750	0.00	0.01	0.019	O	|	|	|	|	0.03
143.833	0.00	0.01	0.019	O	|	|	|	|	0.03
143.917	0.00	0.01	0.019	O	|	|	|	|	0.03
144.000	0.00	0.01	0.019	O	|	|	|	|	0.03
144.083	0.00	0.01	0.019	O	|	|	|	|	0.03
144.167	0.00	0.01	0.019	O	|	|	|	|	0.03
144.250	0.00	0.01	0.018	O	|	|	|	|	0.03
144.333	0.00	0.01	0.018	O	|	|	|	|	0.03
144.417	0.00	0.01	0.018	O	|	|	|	|	0.03
144.500	0.00	0.01	0.018	O	|	|	|	|	0.03
144.583	0.00	0.01	0.018	O	|	|	|	|	0.03
144.667	0.00	0.01	0.018	O	|	|	|	|	0.03
144.750	0.00	0.01	0.018	O	|	|	|	|	0.03
144.833	0.00	0.01	0.018	O	|	|	|	|	0.03
144.917	0.00	0.01	0.018	O	|	|	|	|	0.03
145.000	0.00	0.01	0.018	O	|	|	|	|	0.03
145.083	0.00	0.01	0.018	O	|	|	|	|	0.03
145.167	0.00	0.01	0.018	O	|	|	|	|	0.03
145.250	0.00	0.01	0.018	O	|	|	|	|	0.02
145.333	0.00	0.01	0.018	O	|	|	|	|	0.02
145.417	0.00	0.01	0.018	O	|	|	|	|	0.02
145.500	0.00	0.01	0.018	O	|	|	|	|	0.02
145.583	0.00	0.01	0.017	O	|	|	|	|	0.02

145.667	0.00	0.01	0.017	O	|	|	|	|	0.02
145.750	0.00	0.01	0.017	O	|	|	|	|	0.02
145.833	0.00	0.01	0.017	O	|	|	|	|	0.02
145.917	0.00	0.01	0.017	O	|	|	|	|	0.02
146.000	0.00	0.01	0.017	O	|	|	|	|	0.02
146.083	0.00	0.01	0.017	O	|	|	|	|	0.02
146.167	0.00	0.01	0.017	O	|	|	|	|	0.02
146.250	0.00	0.01	0.017	O	|	|	|	|	0.02
146.333	0.00	0.01	0.017	O	|	|	|	|	0.02
146.417	0.00	0.01	0.017	O	|	|	|	|	0.02
146.500	0.00	0.01	0.017	O	|	|	|	|	0.02
146.583	0.00	0.01	0.017	O	|	|	|	|	0.02
146.667	0.00	0.01	0.017	O	|	|	|	|	0.02
146.750	0.00	0.01	0.017	O	|	|	|	|	0.02
146.833	0.00	0.01	0.017	O	|	|	|	|	0.02
146.917	0.00	0.01	0.017	O	|	|	|	|	0.02
147.000	0.00	0.01	0.016	O	|	|	|	|	0.02
147.083	0.00	0.01	0.016	O	|	|	|	|	0.02
147.167	0.00	0.01	0.016	O	|	|	|	|	0.02
147.250	0.00	0.01	0.016	O	|	|	|	|	0.02
147.333	0.00	0.01	0.016	O	|	|	|	|	0.02
147.417	0.00	0.01	0.016	O	|	|	|	|	0.02
147.500	0.00	0.01	0.016	O	|	|	|	|	0.02
147.583	0.00	0.01	0.016	O	|	|	|	|	0.02
147.667	0.00	0.01	0.016	O	|	|	|	|	0.02
147.750	0.00	0.01	0.016	O	|	|	|	|	0.02
147.833	0.00	0.01	0.016	O	|	|	|	|	0.02
147.917	0.00	0.01	0.016	O	|	|	|	|	0.02
148.000	0.00	0.01	0.016	O	|	|	|	|	0.02
148.083	0.00	0.01	0.016	O	|	|	|	|	0.02
148.167	0.00	0.01	0.016	O	|	|	|	|	0.02
148.250	0.00	0.01	0.016	O	|	|	|	|	0.02
148.333	0.00	0.01	0.016	O	|	|	|	|	0.02
148.417	0.00	0.01	0.016	O	|	|	|	|	0.02
148.500	0.00	0.01	0.015	O	|	|	|	|	0.02
148.583	0.00	0.01	0.015	O	|	|	|	|	0.02
148.667	0.00	0.01	0.015	O	|	|	|	|	0.02
148.750	0.00	0.01	0.015	O	|	|	|	|	0.02
148.833	0.00	0.01	0.015	O	|	|	|	|	0.02
148.917	0.00	0.01	0.015	O	|	|	|	|	0.02
149.000	0.00	0.01	0.015	O	|	|	|	|	0.02
149.083	0.00	0.01	0.015	O	|	|	|	|	0.02
149.167	0.00	0.01	0.015	O	|	|	|	|	0.02
149.250	0.00	0.01	0.015	O	|	|	|	|	0.02
149.333	0.00	0.01	0.015	O	|	|	|	|	0.02
149.417	0.00	0.01	0.015	O	|	|	|	|	0.02
149.500	0.00	0.01	0.015	O	|	|	|	|	0.02
149.583	0.00	0.01	0.015	O	|	|	|	|	0.02
149.667	0.00	0.01	0.015	O	|	|	|	|	0.02
149.750	0.00	0.01	0.015	O	|	|	|	|	0.02
149.833	0.00	0.01	0.015	O	|	|	|	|	0.02
149.917	0.00	0.01	0.015	O	|	|	|	|	0.02
150.000	0.00	0.01	0.015	O	|	|	|	|	0.02
150.083	0.00	0.01	0.014	O	|	|	|	|	0.02
150.167	0.00	0.01	0.014	O	|	|	|	|	0.02
150.250	0.00	0.01	0.014	O	|	|	|	|	0.02
150.333	0.00	0.01	0.014	O	|	|	|	|	0.02
150.417	0.00	0.01	0.014	O	|	|	|	|	0.02
150.500	0.00	0.01	0.014	O	|	|	|	|	0.02
150.583	0.00	0.01	0.014	O	|	|	|	|	0.02
150.667	0.00	0.01	0.014	O	|	|	|	|	0.02
150.750	0.00	0.01	0.014	O	|	|	|	|	0.02
150.833	0.00	0.01	0.014	O	|	|	|	|	0.02
150.917	0.00	0.01	0.014	O	|	|	|	|	0.02
151.000	0.00	0.01	0.014	O	|	|	|	|	0.02
151.083	0.00	0.01	0.014	O	|	|	|	|	0.02
151.167	0.00	0.01	0.014	O	|	|	|	|	0.02

151.250	0.00	0.01	0.014	O	|	|	|	|	0.02
151.333	0.00	0.01	0.014	O	|	|	|	|	0.02
151.417	0.00	0.01	0.014	O	|	|	|	|	0.02
151.500	0.00	0.01	0.014	O	|	|	|	|	0.02
151.583	0.00	0.01	0.014	O	|	|	|	|	0.02
151.667	0.00	0.01	0.014	O	|	|	|	|	0.02
151.750	0.00	0.01	0.013	O	|	|	|	|	0.02
151.833	0.00	0.01	0.013	O	|	|	|	|	0.02
151.917	0.00	0.01	0.013	O	|	|	|	|	0.02
152.000	0.00	0.01	0.013	O	|	|	|	|	0.02
152.083	0.00	0.01	0.013	O	|	|	|	|	0.02
152.167	0.00	0.01	0.013	O	|	|	|	|	0.02
152.250	0.00	0.01	0.013	O	|	|	|	|	0.02
152.333	0.00	0.01	0.013	O	|	|	|	|	0.02
152.417	0.00	0.01	0.013	O	|	|	|	|	0.02
152.500	0.00	0.01	0.013	O	|	|	|	|	0.02
152.583	0.00	0.01	0.013	O	|	|	|	|	0.02
152.667	0.00	0.01	0.013	O	|	|	|	|	0.02
152.750	0.00	0.01	0.013	O	|	|	|	|	0.02
152.833	0.00	0.01	0.013	O	|	|	|	|	0.02
152.917	0.00	0.01	0.013	O	|	|	|	|	0.02
153.000	0.00	0.01	0.013	O	|	|	|	|	0.02
153.083	0.00	0.01	0.013	O	|	|	|	|	0.02
153.167	0.00	0.01	0.013	O	|	|	|	|	0.02
153.250	0.00	0.01	0.013	O	|	|	|	|	0.02
153.333	0.00	0.01	0.013	O	|	|	|	|	0.02
153.417	0.00	0.01	0.013	O	|	|	|	|	0.02
153.500	0.00	0.01	0.013	O	|	|	|	|	0.02
153.583	0.00	0.01	0.013	O	|	|	|	|	0.02
153.667	0.00	0.01	0.012	O	|	|	|	|	0.02
153.750	0.00	0.01	0.012	O	|	|	|	|	0.02
153.833	0.00	0.01	0.012	O	|	|	|	|	0.02
153.917	0.00	0.01	0.012	O	|	|	|	|	0.02
154.000	0.00	0.01	0.012	O	|	|	|	|	0.02
154.083	0.00	0.01	0.012	O	|	|	|	|	0.02
154.167	0.00	0.01	0.012	O	|	|	|	|	0.02
154.250	0.00	0.01	0.012	O	|	|	|	|	0.02
154.333	0.00	0.01	0.012	O	|	|	|	|	0.02
154.417	0.00	0.01	0.012	O	|	|	|	|	0.02
154.500	0.00	0.01	0.012	O	|	|	|	|	0.02
154.583	0.00	0.01	0.012	O	|	|	|	|	0.02
154.667	0.00	0.01	0.012	O	|	|	|	|	0.02
154.750	0.00	0.01	0.012	O	|	|	|	|	0.02
154.833	0.00	0.01	0.012	O	|	|	|	|	0.02
154.917	0.00	0.01	0.012	O	|	|	|	|	0.02
155.000	0.00	0.01	0.012	O	|	|	|	|	0.02
155.083	0.00	0.01	0.012	O	|	|	|	|	0.02
155.167	0.00	0.01	0.012	O	|	|	|	|	0.02
155.250	0.00	0.01	0.012	O	|	|	|	|	0.02
155.333	0.00	0.01	0.012	O	|	|	|	|	0.02
155.417	0.00	0.01	0.012	O	|	|	|	|	0.02
155.500	0.00	0.01	0.012	O	|	|	|	|	0.02
155.583	0.00	0.01	0.011	O	|	|	|	|	0.02
155.667	0.00	0.01	0.011	O	|	|	|	|	0.02
155.750	0.00	0.01	0.011	O	|	|	|	|	0.02
155.833	0.00	0.01	0.011	O	|	|	|	|	0.02
155.917	0.00	0.01	0.011	O	|	|	|	|	0.02
156.000	0.00	0.01	0.011	O	|	|	|	|	0.02
156.083	0.00	0.01	0.011	O	|	|	|	|	0.02
156.167	0.00	0.01	0.011	O	|	|	|	|	0.02
156.250	0.00	0.01	0.011	O	|	|	|	|	0.02
156.333	0.00	0.01	0.011	O	|	|	|	|	0.02
156.417	0.00	0.01	0.011	O	|	|	|	|	0.02
156.500	0.00	0.01	0.011	O	|	|	|	|	0.02
156.583	0.00	0.01	0.011	O	|	|	|	|	0.02
156.667	0.00	0.01	0.011	O	|	|	|	|	0.02
156.750	0.00	0.01	0.011	O	|	|	|	|	0.02

156.833	0.00	0.01	0.011	O	|	|	|	|	0.02
156.917	0.00	0.01	0.011	O	|	|	|	|	0.02
157.000	0.00	0.01	0.011	O	|	|	|	|	0.02
157.083	0.00	0.01	0.011	O	|	|	|	|	0.02
157.167	0.00	0.01	0.011	O	|	|	|	|	0.02
157.250	0.00	0.01	0.011	O	|	|	|	|	0.02
157.333	0.00	0.01	0.011	O	|	|	|	|	0.02
157.417	0.00	0.01	0.011	O	|	|	|	|	0.01
157.500	0.00	0.01	0.011	O	|	|	|	|	0.01
157.583	0.00	0.01	0.011	O	|	|	|	|	0.01
157.667	0.00	0.01	0.011	O	|	|	|	|	0.01
157.750	0.00	0.01	0.010	O	|	|	|	|	0.01
157.833	0.00	0.01	0.010	O	|	|	|	|	0.01
157.917	0.00	0.01	0.010	O	|	|	|	|	0.01
158.000	0.00	0.01	0.010	O	|	|	|	|	0.01
158.083	0.00	0.01	0.010	O	|	|	|	|	0.01
158.167	0.00	0.01	0.010	O	|	|	|	|	0.01
158.250	0.00	0.01	0.010	O	|	|	|	|	0.01
158.333	0.00	0.01	0.010	O	|	|	|	|	0.01
158.417	0.00	0.01	0.010	O	|	|	|	|	0.01
158.500	0.00	0.01	0.010	O	|	|	|	|	0.01
158.583	0.00	0.01	0.010	O	|	|	|	|	0.01
158.667	0.00	0.01	0.010	O	|	|	|	|	0.01
158.750	0.00	0.01	0.010	O	|	|	|	|	0.01
158.833	0.00	0.01	0.010	O	|	|	|	|	0.01
158.917	0.00	0.01	0.010	O	|	|	|	|	0.01
159.000	0.00	0.01	0.010	O	|	|	|	|	0.01
159.083	0.00	0.01	0.010	O	|	|	|	|	0.01
159.167	0.00	0.01	0.010	O	|	|	|	|	0.01
159.250	0.00	0.00	0.010	O	|	|	|	|	0.01
159.333	0.00	0.00	0.010	O	|	|	|	|	0.01
159.417	0.00	0.00	0.010	O	|	|	|	|	0.01
159.500	0.00	0.00	0.010	O	|	|	|	|	0.01
159.583	0.00	0.00	0.010	O	|	|	|	|	0.01
159.667	0.00	0.00	0.010	O	|	|	|	|	0.01
159.750	0.00	0.00	0.010	O	|	|	|	|	0.01
159.833	0.00	0.00	0.010	O	|	|	|	|	0.01
159.917	0.00	0.00	0.010	O	|	|	|	|	0.01
160.000	0.00	0.00	0.010	O	|	|	|	|	0.01
160.083	0.00	0.00	0.010	O	|	|	|	|	0.01
160.167	0.00	0.00	0.009	O	|	|	|	|	0.01
160.250	0.00	0.00	0.009	O	|	|	|	|	0.01
160.333	0.00	0.00	0.009	O	|	|	|	|	0.01
160.417	0.00	0.00	0.009	O	|	|	|	|	0.01
160.500	0.00	0.00	0.009	O	|	|	|	|	0.01
160.583	0.00	0.00	0.009	O	|	|	|	|	0.01
160.667	0.00	0.00	0.009	O	|	|	|	|	0.01
160.750	0.00	0.00	0.009	O	|	|	|	|	0.01
160.833	0.00	0.00	0.009	O	|	|	|	|	0.01
160.917	0.00	0.00	0.009	O	|	|	|	|	0.01
161.000	0.00	0.00	0.009	O	|	|	|	|	0.01
161.083	0.00	0.00	0.009	O	|	|	|	|	0.01
161.167	0.00	0.00	0.009	O	|	|	|	|	0.01
161.250	0.00	0.00	0.009	O	|	|	|	|	0.01
161.333	0.00	0.00	0.009	O	|	|	|	|	0.01
161.417	0.00	0.00	0.009	O	|	|	|	|	0.01
161.500	0.00	0.00	0.009	O	|	|	|	|	0.01
161.583	0.00	0.00	0.009	O	|	|	|	|	0.01
161.667	0.00	0.00	0.009	O	|	|	|	|	0.01
161.750	0.00	0.00	0.009	O	|	|	|	|	0.01
161.833	0.00	0.00	0.009	O	|	|	|	|	0.01
161.917	0.00	0.00	0.009	O	|	|	|	|	0.01
162.000	0.00	0.00	0.009	O	|	|	|	|	0.01
162.083	0.00	0.00	0.009	O	|	|	|	|	0.01
162.167	0.00	0.00	0.009	O	|	|	|	|	0.01
162.250	0.00	0.00	0.009	O	|	|	|	|	0.01
162.333	0.00	0.00	0.009	O	|	|	|	|	0.01

162.417	0.00	0.00	0.009	O	|	|	|	| 0.01
162.500	0.00	0.00	0.009	O	|	|	|	| 0.01
162.583	0.00	0.00	0.009	O	|	|	|	| 0.01
162.667	0.00	0.00	0.009	O	|	|	|	| 0.01
162.750	0.00	0.00	0.009	O	|	|	|	| 0.01
162.833	0.00	0.00	0.008	O	|	|	|	| 0.01
162.917	0.00	0.00	0.008	O	|	|	|	| 0.01
163.000	0.00	0.00	0.008	O	|	|	|	| 0.01
163.083	0.00	0.00	0.008	O	|	|	|	| 0.01
163.167	0.00	0.00	0.008	O	|	|	|	| 0.01
163.250	0.00	0.00	0.008	O	|	|	|	| 0.01
163.333	0.00	0.00	0.008	O	|	|	|	| 0.01
163.417	0.00	0.00	0.008	O	|	|	|	| 0.01
163.500	0.00	0.00	0.008	O	|	|	|	| 0.01
163.583	0.00	0.00	0.008	O	|	|	|	| 0.01
163.667	0.00	0.00	0.008	O	|	|	|	| 0.01
163.750	0.00	0.00	0.008	O	|	|	|	| 0.01
163.833	0.00	0.00	0.008	O	|	|	|	| 0.01
163.917	0.00	0.00	0.008	O	|	|	|	| 0.01
164.000	0.00	0.00	0.008	O	|	|	|	| 0.01
164.083	0.00	0.00	0.008	O	|	|	|	| 0.01
164.167	0.00	0.00	0.008	O	|	|	|	| 0.01
164.250	0.00	0.00	0.008	O	|	|	|	| 0.01
164.333	0.00	0.00	0.008	O	|	|	|	| 0.01
164.417	0.00	0.00	0.008	O	|	|	|	| 0.01
164.500	0.00	0.00	0.008	O	|	|	|	| 0.01
164.583	0.00	0.00	0.008	O	|	|	|	| 0.01
164.667	0.00	0.00	0.008	O	|	|	|	| 0.01
164.750	0.00	0.00	0.008	O	|	|	|	| 0.01
164.833	0.00	0.00	0.008	O	|	|	|	| 0.01
164.917	0.00	0.00	0.008	O	|	|	|	| 0.01
165.000	0.00	0.00	0.008	O	|	|	|	| 0.01
165.083	0.00	0.00	0.008	O	|	|	|	| 0.01
165.167	0.00	0.00	0.008	O	|	|	|	| 0.01
165.250	0.00	0.00	0.008	O	|	|	|	| 0.01
165.333	0.00	0.00	0.008	O	|	|	|	| 0.01
165.417	0.00	0.00	0.008	O	|	|	|	| 0.01
165.500	0.00	0.00	0.008	O	|	|	|	| 0.01
165.583	0.00	0.00	0.008	O	|	|	|	| 0.01
165.667	0.00	0.00	0.008	O	|	|	|	| 0.01
165.750	0.00	0.00	0.008	O	|	|	|	| 0.01
165.833	0.00	0.00	0.007	O	|	|	|	| 0.01
165.917	0.00	0.00	0.007	O	|	|	|	| 0.01
166.000	0.00	0.00	0.007	O	|	|	|	| 0.01
166.083	0.00	0.00	0.007	O	|	|	|	| 0.01
166.167	0.00	0.00	0.007	O	|	|	|	| 0.01
166.250	0.00	0.00	0.007	O	|	|	|	| 0.01
166.333	0.00	0.00	0.007	O	|	|	|	| 0.01
166.417	0.00	0.00	0.007	O	|	|	|	| 0.01
166.500	0.00	0.00	0.007	O	|	|	|	| 0.01
166.583	0.00	0.00	0.007	O	|	|	|	| 0.01
166.667	0.00	0.00	0.007	O	|	|	|	| 0.01
166.750	0.00	0.00	0.007	O	|	|	|	| 0.01
166.833	0.00	0.00	0.007	O	|	|	|	| 0.01
166.917	0.00	0.00	0.007	O	|	|	|	| 0.01
167.000	0.00	0.00	0.007	O	|	|	|	| 0.01
167.083	0.00	0.00	0.007	O	|	|	|	| 0.01
167.167	0.00	0.00	0.007	O	|	|	|	| 0.01
167.250	0.00	0.00	0.007	O	|	|	|	| 0.01
167.333	0.00	0.00	0.007	O	|	|	|	| 0.01
167.417	0.00	0.00	0.007	O	|	|	|	| 0.01
167.500	0.00	0.00	0.007	O	|	|	|	| 0.01
167.583	0.00	0.00	0.007	O	|	|	|	| 0.01
167.667	0.00	0.00	0.007	O	|	|	|	| 0.01
167.750	0.00	0.00	0.007	O	|	|	|	| 0.01
167.833	0.00	0.00	0.007	O	|	|	|	| 0.01
167.917	0.00	0.00	0.007	O	|	|	|	| 0.01

168.000	0.00	0.00	0.007	O	|	|	|	|	0.01
168.083	0.00	0.00	0.007	O	|	|	|	|	0.01
168.167	0.00	0.00	0.007	O	|	|	|	|	0.01
168.250	0.00	0.00	0.007	O	|	|	|	|	0.01
168.333	0.00	0.00	0.007	O	|	|	|	|	0.01
168.417	0.00	0.00	0.007	O	|	|	|	|	0.01
168.500	0.00	0.00	0.007	O	|	|	|	|	0.01
168.583	0.00	0.00	0.007	O	|	|	|	|	0.01
168.667	0.00	0.00	0.007	O	|	|	|	|	0.01
168.750	0.00	0.00	0.007	O	|	|	|	|	0.01
168.833	0.00	0.00	0.007	O	|	|	|	|	0.01
168.917	0.00	0.00	0.007	O	|	|	|	|	0.01
169.000	0.00	0.00	0.007	O	|	|	|	|	0.01
169.083	0.00	0.00	0.007	O	|	|	|	|	0.01
169.167	0.00	0.00	0.007	O	|	|	|	|	0.01
169.250	0.00	0.00	0.006	O	|	|	|	|	0.01
169.333	0.00	0.00	0.006	O	|	|	|	|	0.01
169.417	0.00	0.00	0.006	O	|	|	|	|	0.01
169.500	0.00	0.00	0.006	O	|	|	|	|	0.01
169.583	0.00	0.00	0.006	O	|	|	|	|	0.01
169.667	0.00	0.00	0.006	O	|	|	|	|	0.01
169.750	0.00	0.00	0.006	O	|	|	|	|	0.01
169.833	0.00	0.00	0.006	O	|	|	|	|	0.01
169.917	0.00	0.00	0.006	O	|	|	|	|	0.01
170.000	0.00	0.00	0.006	O	|	|	|	|	0.01
170.083	0.00	0.00	0.006	O	|	|	|	|	0.01
170.167	0.00	0.00	0.006	O	|	|	|	|	0.01
170.250	0.00	0.00	0.006	O	|	|	|	|	0.01
170.333	0.00	0.00	0.006	O	|	|	|	|	0.01
170.417	0.00	0.00	0.006	O	|	|	|	|	0.01
170.500	0.00	0.00	0.006	O	|	|	|	|	0.01
170.583	0.00	0.00	0.006	O	|	|	|	|	0.01
170.667	0.00	0.00	0.006	O	|	|	|	|	0.01
170.750	0.00	0.00	0.006	O	|	|	|	|	0.01
170.833	0.00	0.00	0.006	O	|	|	|	|	0.01
170.917	0.00	0.00	0.006	O	|	|	|	|	0.01
171.000	0.00	0.00	0.006	O	|	|	|	|	0.01
171.083	0.00	0.00	0.006	O	|	|	|	|	0.01
171.167	0.00	0.00	0.006	O	|	|	|	|	0.01
171.250	0.00	0.00	0.006	O	|	|	|	|	0.01
171.333	0.00	0.00	0.006	O	|	|	|	|	0.01
171.417	0.00	0.00	0.006	O	|	|	|	|	0.01
171.500	0.00	0.00	0.006	O	|	|	|	|	0.01
171.583	0.00	0.00	0.006	O	|	|	|	|	0.01
171.667	0.00	0.00	0.006	O	|	|	|	|	0.01
171.750	0.00	0.00	0.006	O	|	|	|	|	0.01
171.833	0.00	0.00	0.006	O	|	|	|	|	0.01
171.917	0.00	0.00	0.006	O	|	|	|	|	0.01
172.000	0.00	0.00	0.006	O	|	|	|	|	0.01
172.083	0.00	0.00	0.006	O	|	|	|	|	0.01
172.167	0.00	0.00	0.006	O	|	|	|	|	0.01
172.250	0.00	0.00	0.006	O	|	|	|	|	0.01
172.333	0.00	0.00	0.006	O	|	|	|	|	0.01
172.417	0.00	0.00	0.006	O	|	|	|	|	0.01
172.500	0.00	0.00	0.006	O	|	|	|	|	0.01
172.583	0.00	0.00	0.006	O	|	|	|	|	0.01
172.667	0.00	0.00	0.006	O	|	|	|	|	0.01
172.750	0.00	0.00	0.006	O	|	|	|	|	0.01
172.833	0.00	0.00	0.006	O	|	|	|	|	0.01
172.917	0.00	0.00	0.006	O	|	|	|	|	0.01
173.000	0.00	0.00	0.006	O	|	|	|	|	0.01
173.083	0.00	0.00	0.006	O	|	|	|	|	0.01
173.167	0.00	0.00	0.006	O	|	|	|	|	0.01
173.250	0.00	0.00	0.005	O	|	|	|	|	0.01
173.333	0.00	0.00	0.005	O	|	|	|	|	0.01
173.417	0.00	0.00	0.005	O	|	|	|	|	0.01
173.500	0.00	0.00	0.005	O	|	|	|	|	0.01

173.583	0.00	0.00	0.005	O	|	|	|	0.01
173.667	0.00	0.00	0.005	O	|	|	|	0.01
173.750	0.00	0.00	0.005	O	|	|	|	0.01
173.833	0.00	0.00	0.005	O	|	|	|	0.01
173.917	0.00	0.00	0.005	O	|	|	|	0.01
174.000	0.00	0.00	0.005	O	|	|	|	0.01
174.083	0.00	0.00	0.005	O	|	|	|	0.01
174.167	0.00	0.00	0.005	O	|	|	|	0.01
174.250	0.00	0.00	0.005	O	|	|	|	0.01
174.333	0.00	0.00	0.005	O	|	|	|	0.01
174.417	0.00	0.00	0.005	O	|	|	|	0.01
174.500	0.00	0.00	0.005	O	|	|	|	0.01
174.583	0.00	0.00	0.005	O	|	|	|	0.01
174.667	0.00	0.00	0.005	O	|	|	|	0.01
174.750	0.00	0.00	0.005	O	|	|	|	0.01
174.833	0.00	0.00	0.005	O	|	|	|	0.01
174.917	0.00	0.00	0.005	O	|	|	|	0.01
175.000	0.00	0.00	0.005	O	|	|	|	0.01
175.083	0.00	0.00	0.005	O	|	|	|	0.01
175.167	0.00	0.00	0.005	O	|	|	|	0.01
175.250	0.00	0.00	0.005	O	|	|	|	0.01
175.333	0.00	0.00	0.005	O	|	|	|	0.01
175.417	0.00	0.00	0.005	O	|	|	|	0.01
175.500	0.00	0.00	0.005	O	|	|	|	0.01
175.583	0.00	0.00	0.005	O	|	|	|	0.01
175.667	0.00	0.00	0.005	O	|	|	|	0.01
175.750	0.00	0.00	0.005	O	|	|	|	0.01
175.833	0.00	0.00	0.005	O	|	|	|	0.01
175.917	0.00	0.00	0.005	O	|	|	|	0.01
176.000	0.00	0.00	0.005	O	|	|	|	0.01
176.083	0.00	0.00	0.005	O	|	|	|	0.01
176.167	0.00	0.00	0.005	O	|	|	|	0.01
176.250	0.00	0.00	0.005	O	|	|	|	0.01
176.333	0.00	0.00	0.005	O	|	|	|	0.01
176.417	0.00	0.00	0.005	O	|	|	|	0.01
176.500	0.00	0.00	0.005	O	|	|	|	0.01
176.583	0.00	0.00	0.005	O	|	|	|	0.01
176.667	0.00	0.00	0.005	O	|	|	|	0.01
176.750	0.00	0.00	0.005	O	|	|	|	0.01
176.833	0.00	0.00	0.005	O	|	|	|	0.01
176.917	0.00	0.00	0.005	O	|	|	|	0.01
177.000	0.00	0.00	0.005	O	|	|	|	0.01
177.083	0.00	0.00	0.005	O	|	|	|	0.01
177.167	0.00	0.00	0.005	O	|	|	|	0.01
177.250	0.00	0.00	0.005	O	|	|	|	0.01
177.333	0.00	0.00	0.005	O	|	|	|	0.01
177.417	0.00	0.00	0.005	O	|	|	|	0.01
177.500	0.00	0.00	0.005	O	|	|	|	0.01
177.583	0.00	0.00	0.005	O	|	|	|	0.01
177.667	0.00	0.00	0.005	O	|	|	|	0.01
177.750	0.00	0.00	0.005	O	|	|	|	0.01
177.833	0.00	0.00	0.005	O	|	|	|	0.01
177.917	0.00	0.00	0.005	O	|	|	|	0.01
178.000	0.00	0.00	0.004	O	|	|	|	0.01
178.083	0.00	0.00	0.004	O	|	|	|	0.01
178.167	0.00	0.00	0.004	O	|	|	|	0.01
178.250	0.00	0.00	0.004	O	|	|	|	0.01
178.333	0.00	0.00	0.004	O	|	|	|	0.01
178.417	0.00	0.00	0.004	O	|	|	|	0.01
178.500	0.00	0.00	0.004	O	|	|	|	0.01
178.583	0.00	0.00	0.004	O	|	|	|	0.01
178.667	0.00	0.00	0.004	O	|	|	|	0.01
178.750	0.00	0.00	0.004	O	|	|	|	0.01
178.833	0.00	0.00	0.004	O	|	|	|	0.01
178.917	0.00	0.00	0.004	O	|	|	|	0.01
179.000	0.00	0.00	0.004	O	|	|	|	0.01
179.083	0.00	0.00	0.004	O	|	|	|	0.01

179.167	0.00	0.00	0.004	O	|	|	|	|	0.01
179.250	0.00	0.00	0.004	O	|	|	|	|	0.01
179.333	0.00	0.00	0.004	O	|	|	|	|	0.01
179.417	0.00	0.00	0.004	O	|	|	|	|	0.01
179.500	0.00	0.00	0.004	O	|	|	|	|	0.01
179.583	0.00	0.00	0.004	O	|	|	|	|	0.01
179.667	0.00	0.00	0.004	O	|	|	|	|	0.01
179.750	0.00	0.00	0.004	O	|	|	|	|	0.01
179.833	0.00	0.00	0.004	O	|	|	|	|	0.01
179.917	0.00	0.00	0.004	O	|	|	|	|	0.01
180.000	0.00	0.00	0.004	O	|	|	|	|	0.01
180.083	0.00	0.00	0.004	O	|	|	|	|	0.01
180.167	0.00	0.00	0.004	O	|	|	|	|	0.01
180.250	0.00	0.00	0.004	O	|	|	|	|	0.01
180.333	0.00	0.00	0.004	O	|	|	|	|	0.01
180.417	0.00	0.00	0.004	O	|	|	|	|	0.01
180.500	0.00	0.00	0.004	O	|	|	|	|	0.01
180.583	0.00	0.00	0.004	O	|	|	|	|	0.01
180.667	0.00	0.00	0.004	O	|	|	|	|	0.01
180.750	0.00	0.00	0.004	O	|	|	|	|	0.01
180.833	0.00	0.00	0.004	O	|	|	|	|	0.01
180.917	0.00	0.00	0.004	O	|	|	|	|	0.01
181.000	0.00	0.00	0.004	O	|	|	|	|	0.01
181.083	0.00	0.00	0.004	O	|	|	|	|	0.01
181.167	0.00	0.00	0.004	O	|	|	|	|	0.01
181.250	0.00	0.00	0.004	O	|	|	|	|	0.01
181.333	0.00	0.00	0.004	O	|	|	|	|	0.01
181.417	0.00	0.00	0.004	O	|	|	|	|	0.01
181.500	0.00	0.00	0.004	O	|	|	|	|	0.01
181.583	0.00	0.00	0.004	O	|	|	|	|	0.01
181.667	0.00	0.00	0.004	O	|	|	|	|	0.01
181.750	0.00	0.00	0.004	O	|	|	|	|	0.01
181.833	0.00	0.00	0.004	O	|	|	|	|	0.01
181.917	0.00	0.00	0.004	O	|	|	|	|	0.01
182.000	0.00	0.00	0.004	O	|	|	|	|	0.01
182.083	0.00	0.00	0.004	O	|	|	|	|	0.01
182.167	0.00	0.00	0.004	O	|	|	|	|	0.01
182.250	0.00	0.00	0.004	O	|	|	|	|	0.01
182.333	0.00	0.00	0.004	O	|	|	|	|	0.01
182.417	0.00	0.00	0.004	O	|	|	|	|	0.01
182.500	0.00	0.00	0.004	O	|	|	|	|	0.01
182.583	0.00	0.00	0.004	O	|	|	|	|	0.01
182.667	0.00	0.00	0.004	O	|	|	|	|	0.01
182.750	0.00	0.00	0.004	O	|	|	|	|	0.01
182.833	0.00	0.00	0.004	O	|	|	|	|	0.01
182.917	0.00	0.00	0.004	O	|	|	|	|	0.01
183.000	0.00	0.00	0.004	O	|	|	|	|	0.01
183.083	0.00	0.00	0.004	O	|	|	|	|	0.01
183.167	0.00	0.00	0.004	O	|	|	|	|	0.01
183.250	0.00	0.00	0.004	O	|	|	|	|	0.01
183.333	0.00	0.00	0.004	O	|	|	|	|	0.01
183.417	0.00	0.00	0.004	O	|	|	|	|	0.01
183.500	0.00	0.00	0.004	O	|	|	|	|	0.01
183.583	0.00	0.00	0.004	O	|	|	|	|	0.01
183.667	0.00	0.00	0.004	O	|	|	|	|	0.00
183.750	0.00	0.00	0.004	O	|	|	|	|	0.00
183.833	0.00	0.00	0.004	O	|	|	|	|	0.00
183.917	0.00	0.00	0.004	O	|	|	|	|	0.00
184.000	0.00	0.00	0.003	O	|	|	|	|	0.00
184.083	0.00	0.00	0.003	O	|	|	|	|	0.00
184.167	0.00	0.00	0.003	O	|	|	|	|	0.00
184.250	0.00	0.00	0.003	O	|	|	|	|	0.00
184.333	0.00	0.00	0.003	O	|	|	|	|	0.00
184.417	0.00	0.00	0.003	O	|	|	|	|	0.00
184.500	0.00	0.00	0.003	O	|	|	|	|	0.00
184.583	0.00	0.00	0.003	O	|	|	|	|	0.00
184.667	0.00	0.00	0.003	O	|	|	|	|	0.00

184.750	0.00	0.00	0.003	O	|	|	|	0.00
184.833	0.00	0.00	0.003	O	|	|	|	0.00
184.917	0.00	0.00	0.003	O	|	|	|	0.00
185.000	0.00	0.00	0.003	O	|	|	|	0.00
185.083	0.00	0.00	0.003	O	|	|	|	0.00
185.167	0.00	0.00	0.003	O	|	|	|	0.00
185.250	0.00	0.00	0.003	O	|	|	|	0.00
185.333	0.00	0.00	0.003	O	|	|	|	0.00
185.417	0.00	0.00	0.003	O	|	|	|	0.00
185.500	0.00	0.00	0.003	O	|	|	|	0.00
185.583	0.00	0.00	0.003	O	|	|	|	0.00
185.667	0.00	0.00	0.003	O	|	|	|	0.00
185.750	0.00	0.00	0.003	O	|	|	|	0.00
185.833	0.00	0.00	0.003	O	|	|	|	0.00
185.917	0.00	0.00	0.003	O	|	|	|	0.00
186.000	0.00	0.00	0.003	O	|	|	|	0.00
186.083	0.00	0.00	0.003	O	|	|	|	0.00
186.167	0.00	0.00	0.003	O	|	|	|	0.00
186.250	0.00	0.00	0.003	O	|	|	|	0.00
186.333	0.00	0.00	0.003	O	|	|	|	0.00
186.417	0.00	0.00	0.003	O	|	|	|	0.00
186.500	0.00	0.00	0.003	O	|	|	|	0.00
186.583	0.00	0.00	0.003	O	|	|	|	0.00
186.667	0.00	0.00	0.003	O	|	|	|	0.00
186.750	0.00	0.00	0.003	O	|	|	|	0.00
186.833	0.00	0.00	0.003	O	|	|	|	0.00
186.917	0.00	0.00	0.003	O	|	|	|	0.00
187.000	0.00	0.00	0.003	O	|	|	|	0.00
187.083	0.00	0.00	0.003	O	|	|	|	0.00
187.167	0.00	0.00	0.003	O	|	|	|	0.00
187.250	0.00	0.00	0.003	O	|	|	|	0.00
187.333	0.00	0.00	0.003	O	|	|	|	0.00
187.417	0.00	0.00	0.003	O	|	|	|	0.00
187.500	0.00	0.00	0.003	O	|	|	|	0.00
187.583	0.00	0.00	0.003	O	|	|	|	0.00
187.667	0.00	0.00	0.003	O	|	|	|	0.00
187.750	0.00	0.00	0.003	O	|	|	|	0.00
187.833	0.00	0.00	0.003	O	|	|	|	0.00
187.917	0.00	0.00	0.003	O	|	|	|	0.00
188.000	0.00	0.00	0.003	O	|	|	|	0.00
188.083	0.00	0.00	0.003	O	|	|	|	0.00
188.167	0.00	0.00	0.003	O	|	|	|	0.00
188.250	0.00	0.00	0.003	O	|	|	|	0.00
188.333	0.00	0.00	0.003	O	|	|	|	0.00
188.417	0.00	0.00	0.003	O	|	|	|	0.00
188.500	0.00	0.00	0.003	O	|	|	|	0.00
188.583	0.00	0.00	0.003	O	|	|	|	0.00
188.667	0.00	0.00	0.003	O	|	|	|	0.00
188.750	0.00	0.00	0.003	O	|	|	|	0.00
188.833	0.00	0.00	0.003	O	|	|	|	0.00
188.917	0.00	0.00	0.003	O	|	|	|	0.00
189.000	0.00	0.00	0.003	O	|	|	|	0.00
189.083	0.00	0.00	0.003	O	|	|	|	0.00
189.167	0.00	0.00	0.003	O	|	|	|	0.00
189.250	0.00	0.00	0.003	O	|	|	|	0.00
189.333	0.00	0.00	0.003	O	|	|	|	0.00
189.417	0.00	0.00	0.003	O	|	|	|	0.00
189.500	0.00	0.00	0.003	O	|	|	|	0.00
189.583	0.00	0.00	0.003	O	|	|	|	0.00
189.667	0.00	0.00	0.003	O	|	|	|	0.00
189.750	0.00	0.00	0.003	O	|	|	|	0.00
189.833	0.00	0.00	0.003	O	|	|	|	0.00
189.917	0.00	0.00	0.003	O	|	|	|	0.00
190.000	0.00	0.00	0.003	O	|	|	|	0.00
190.083	0.00	0.00	0.003	O	|	|	|	0.00
190.167	0.00	0.00	0.003	O	|	|	|	0.00
190.250	0.00	0.00	0.003	O	|	|	|	0.00

190.333	0.00	0.00	0.003	O	|	|	|	0.00
190.417	0.00	0.00	0.003	O	|	|	|	0.00
190.500	0.00	0.00	0.003	O	|	|	|	0.00
190.583	0.00	0.00	0.003	O	|	|	|	0.00
190.667	0.00	0.00	0.003	O	|	|	|	0.00
190.750	0.00	0.00	0.003	O	|	|	|	0.00
190.833	0.00	0.00	0.003	O	|	|	|	0.00
190.917	0.00	0.00	0.003	O	|	|	|	0.00
191.000	0.00	0.00	0.003	O	|	|	|	0.00
191.083	0.00	0.00	0.003	O	|	|	|	0.00
191.167	0.00	0.00	0.003	O	|	|	|	0.00
191.250	0.00	0.00	0.003	O	|	|	|	0.00
191.333	0.00	0.00	0.003	O	|	|	|	0.00
191.417	0.00	0.00	0.003	O	|	|	|	0.00
191.500	0.00	0.00	0.003	O	|	|	|	0.00
191.583	0.00	0.00	0.003	O	|	|	|	0.00
191.667	0.00	0.00	0.003	O	|	|	|	0.00
191.750	0.00	0.00	0.003	O	|	|	|	0.00
191.833	0.00	0.00	0.003	O	|	|	|	0.00
191.917	0.00	0.00	0.003	O	|	|	|	0.00
192.000	0.00	0.00	0.002	O	|	|	|	0.00
192.083	0.00	0.00	0.002	O	|	|	|	0.00
192.167	0.00	0.00	0.002	O	|	|	|	0.00
192.250	0.00	0.00	0.002	O	|	|	|	0.00
192.333	0.00	0.00	0.002	O	|	|	|	0.00
192.417	0.00	0.00	0.002	O	|	|	|	0.00
192.500	0.00	0.00	0.002	O	|	|	|	0.00
192.583	0.00	0.00	0.002	O	|	|	|	0.00
192.667	0.00	0.00	0.002	O	|	|	|	0.00
192.750	0.00	0.00	0.002	O	|	|	|	0.00
192.833	0.00	0.00	0.002	O	|	|	|	0.00
192.917	0.00	0.00	0.002	O	|	|	|	0.00
193.000	0.00	0.00	0.002	O	|	|	|	0.00
193.083	0.00	0.00	0.002	O	|	|	|	0.00
193.167	0.00	0.00	0.002	O	|	|	|	0.00
193.250	0.00	0.00	0.002	O	|	|	|	0.00
193.333	0.00	0.00	0.002	O	|	|	|	0.00
193.417	0.00	0.00	0.002	O	|	|	|	0.00
193.500	0.00	0.00	0.002	O	|	|	|	0.00
193.583	0.00	0.00	0.002	O	|	|	|	0.00
193.667	0.00	0.00	0.002	O	|	|	|	0.00
193.750	0.00	0.00	0.002	O	|	|	|	0.00
193.833	0.00	0.00	0.002	O	|	|	|	0.00
193.917	0.00	0.00	0.002	O	|	|	|	0.00
194.000	0.00	0.00	0.002	O	|	|	|	0.00
194.083	0.00	0.00	0.002	O	|	|	|	0.00
194.167	0.00	0.00	0.002	O	|	|	|	0.00
194.250	0.00	0.00	0.002	O	|	|	|	0.00
194.333	0.00	0.00	0.002	O	|	|	|	0.00
194.417	0.00	0.00	0.002	O	|	|	|	0.00
194.500	0.00	0.00	0.002	O	|	|	|	0.00
194.583	0.00	0.00	0.002	O	|	|	|	0.00
194.667	0.00	0.00	0.002	O	|	|	|	0.00
194.750	0.00	0.00	0.002	O	|	|	|	0.00
194.833	0.00	0.00	0.002	O	|	|	|	0.00
194.917	0.00	0.00	0.002	O	|	|	|	0.00
195.000	0.00	0.00	0.002	O	|	|	|	0.00
195.083	0.00	0.00	0.002	O	|	|	|	0.00
195.167	0.00	0.00	0.002	O	|	|	|	0.00
195.250	0.00	0.00	0.002	O	|	|	|	0.00
195.333	0.00	0.00	0.002	O	|	|	|	0.00
195.417	0.00	0.00	0.002	O	|	|	|	0.00
195.500	0.00	0.00	0.002	O	|	|	|	0.00
195.583	0.00	0.00	0.002	O	|	|	|	0.00
195.667	0.00	0.00	0.002	O	|	|	|	0.00
195.750	0.00	0.00	0.002	O	|	|	|	0.00
195.833	0.00	0.00	0.002	O	|	|	|	0.00

195.917	0.00	0.00	0.002	O	|	|	|	|	0.00
196.000	0.00	0.00	0.002	O	|	|	|	|	0.00
196.083	0.00	0.00	0.002	O	|	|	|	|	0.00
196.167	0.00	0.00	0.002	O	|	|	|	|	0.00
196.250	0.00	0.00	0.002	O	|	|	|	|	0.00
196.333	0.00	0.00	0.002	O	|	|	|	|	0.00
196.417	0.00	0.00	0.002	O	|	|	|	|	0.00
196.500	0.00	0.00	0.002	O	|	|	|	|	0.00
196.583	0.00	0.00	0.002	O	|	|	|	|	0.00
196.667	0.00	0.00	0.002	O	|	|	|	|	0.00
196.750	0.00	0.00	0.002	O	|	|	|	|	0.00
196.833	0.00	0.00	0.002	O	|	|	|	|	0.00
196.917	0.00	0.00	0.002	O	|	|	|	|	0.00
197.000	0.00	0.00	0.002	O	|	|	|	|	0.00
197.083	0.00	0.00	0.002	O	|	|	|	|	0.00
197.167	0.00	0.00	0.002	O	|	|	|	|	0.00
197.250	0.00	0.00	0.002	O	|	|	|	|	0.00
197.333	0.00	0.00	0.002	O	|	|	|	|	0.00
197.417	0.00	0.00	0.002	O	|	|	|	|	0.00
197.500	0.00	0.00	0.002	O	|	|	|	|	0.00
197.583	0.00	0.00	0.002	O	|	|	|	|	0.00
197.667	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 2372
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.805 (CFS)
Total volume = 3.207 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRI110.rte

**********HYDROGRAPH DATA**********

Number of intervals = 14
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 44.497 (CFS)
Total volume = 1.173 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN I- ROUTING
10YR-1HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 14
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.710	0.360	0.709	0.711
2.000	1.520	0.620	1.518	1.522
3.000	2.440	0.800	2.437	2.443
4.000	3.480	1.790	3.474	3.486
5.000	4.630	26.090	4.540	4.720

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	11.1	22.25	33.37	44.50	Depth (Ft.)
0.083	2.66	0.00	0.009	OI	|	|	|	|	0.01
0.167	5.26	0.02	0.036	O I	|	|	|	|	0.05
0.250	6.29	0.04	0.076	O I	|	|	|	|	0.11
0.333	6.82	0.06	0.121	O I	|	|	|	|	0.17
0.417	7.39	0.09	0.169	O I	|	|	|	|	0.24

0.500	8.47	0.11	0.223	O	I	|	|	|	|	0.31
0.583	9.66	0.14	0.285	O	I	|	|	|	|	0.40
0.667	12.47	0.18	0.360	O		I	|	|	|	0.51
0.750	20.01	0.24	0.470	O		|	I	|	|	0.66
0.833	44.50	0.35	0.690	O		|	|	|	I	0.97
0.917	31.64	0.44	0.950	O		|	|	I	|	1.30
1.000	11.81	0.48	1.096	O		I	|	|	|	1.48
1.083	**2.96**	**0.50**	**1.143**	**O**	**I**	**|**	**|**	**|**	**|**	**1.54**
1.167	0.41	0.50	1.152	O		|	|	|	|	1.55
1.250	0.00	0.50	1.150	O		|	|	|	|	1.54
1.333	0.00	0.50	1.146	O		|	|	|	|	1.54
1.417	0.00	0.50	1.143	O		|	|	|	|	1.53
1.500	0.00	0.50	1.139	O		|	|	|	|	1.53
1.583	0.00	0.50	1.136	O		|	|	|	|	1.53
1.667	0.00	0.50	1.132	O		|	|	|	|	1.52
1.750	0.00	0.49	1.129	O		|	|	|	|	1.52
1.833	0.00	0.49	1.126	O		|	|	|	|	1.51
1.917	0.00	0.49	1.122	O		|	|	|	|	1.51
2.000	0.00	0.49	1.119	O		|	|	|	|	1.50
2.083	0.00	0.49	1.115	O		|	|	|	|	1.50
2.167	0.00	0.49	1.112	O		|	|	|	|	1.50
2.250	0.00	0.49	1.109	O		|	|	|	|	1.49
2.333	0.00	0.49	1.105	O		|	|	|	|	1.49
2.417	0.00	0.49	1.102	O		|	|	|	|	1.48
2.500	0.00	0.48	1.099	O		|	|	|	|	1.48
2.583	0.00	0.48	1.095	O		|	|	|	|	1.48
2.667	0.00	0.48	1.092	O		|	|	|	|	1.47
2.750	0.00	0.48	1.089	O		|	|	|	|	1.47
2.833	0.00	0.48	1.085	O		|	|	|	|	1.46
2.917	0.00	0.48	1.082	O		|	|	|	|	1.46
3.000	0.00	0.48	1.079	O		|	|	|	|	1.46
3.083	0.00	0.48	1.075	O		|	|	|	|	1.45
3.167	0.00	0.48	1.072	O		|	|	|	|	1.45
3.250	0.00	0.48	1.069	O		|	|	|	|	1.44
3.333	0.00	0.47	1.066	O		|	|	|	|	1.44
3.417	0.00	0.47	1.062	O		|	|	|	|	1.44
3.500	0.00	0.47	1.059	O		|	|	|	|	1.43
3.583	0.00	0.47	1.056	O		|	|	|	|	1.43
3.667	0.00	0.47	1.053	O		|	|	|	|	1.42
3.750	0.00	0.47	1.049	O		|	|	|	|	1.42
3.833	0.00	0.47	1.046	O		|	|	|	|	1.42
3.917	0.00	0.47	1.043	O		|	|	|	|	1.41
4.000	0.00	0.47	1.040	O		|	|	|	|	1.41
4.083	0.00	0.46	1.037	O		|	|	|	|	1.40
4.167	0.00	0.46	1.033	O		|	|	|	|	1.40
4.250	0.00	0.46	1.030	O		|	|	|	|	1.40
4.333	0.00	0.46	1.027	O		|	|	|	|	1.39
4.417	0.00	0.46	1.024	O		|	|	|	|	1.39
4.500	0.00	0.46	1.021	O		|	|	|	|	1.38
4.583	0.00	0.46	1.017	O		|	|	|	|	1.38
4.667	0.00	0.46	1.014	O		|	|	|	|	1.38
4.750	0.00	0.46	1.011	O		|	|	|	|	1.37
4.833	0.00	0.46	1.008	O		|	|	|	|	1.37
4.917	0.00	0.45	1.005	O		|	|	|	|	1.36
5.000	0.00	0.45	1.002	O		|	|	|	|	1.36
5.083	0.00	0.45	0.999	O		|	|	|	|	1.36
5.167	0.00	0.45	0.996	O		|	|	|	|	1.35
5.250	0.00	0.45	0.992	O		|	|	|	|	1.35
5.333	0.00	0.45	0.989	O		|	|	|	|	1.34
5.417	0.00	0.45	0.986	O		|	|	|	|	1.34
5.500	0.00	0.45	0.983	O		|	|	|	|	1.34
5.583	0.00	0.45	0.980	O		|	|	|	|	1.33
5.667	0.00	0.45	0.977	O		|	|	|	|	1.33
5.750	0.00	0.44	0.974	O		|	|	|	|	1.33
5.833	0.00	0.44	0.971	O		|	|	|	|	1.32
5.917	0.00	0.44	0.968	O		|	|	|	|	1.32
6.000	0.00	0.44	0.965	O		|	|	|	|	1.31

6.083	0.00	0.44	0.962	O	|	|	|	1.31
6.167	0.00	0.44	0.959	O	|	|	|	1.31
6.250	0.00	0.44	0.956	O	|	|	|	1.30
6.333	0.00	0.44	0.953	O	|	|	|	1.30
6.417	0.00	0.44	0.950	O	|	|	|	1.30
6.500	0.00	0.44	0.947	O	|	|	|	1.29
6.583	0.00	0.43	0.944	O	|	|	|	1.29
6.667	0.00	0.43	0.941	O	|	|	|	1.28
6.750	0.00	0.43	0.938	O	|	|	|	1.28
6.833	0.00	0.43	0.935	O	|	|	|	1.28
6.917	0.00	0.43	0.932	O	|	|	|	1.27
7.000	0.00	0.43	0.929	O	|	|	|	1.27
7.083	0.00	0.43	0.926	O	|	|	|	1.27
7.167	0.00	0.43	0.923	O	|	|	|	1.26
7.250	0.00	0.43	0.920	O	|	|	|	1.26
7.333	0.00	0.43	0.917	O	|	|	|	1.26
7.417	0.00	0.43	0.914	O	|	|	|	1.25
7.500	0.00	0.42	0.911	O	|	|	|	1.25
7.583	0.00	0.42	0.908	O	|	|	|	1.24
7.667	0.00	0.42	0.905	O	|	|	|	1.24
7.750	0.00	0.42	0.902	O	|	|	|	1.24
7.833	0.00	0.42	0.899	O	|	|	|	1.23
7.917	0.00	0.42	0.897	O	|	|	|	1.23
8.000	0.00	0.42	0.894	O	|	|	|	1.23
8.083	0.00	0.42	0.891	O	|	|	|	1.22
8.167	0.00	0.42	0.888	O	|	|	|	1.22
8.250	0.00	0.42	0.885	O	|	|	|	1.22
8.333	0.00	0.42	0.882	O	|	|	|	1.21
8.417	0.00	0.41	0.879	O	|	|	|	1.21
8.500	0.00	0.41	0.876	O	|	|	|	1.21
8.583	0.00	0.41	0.874	O	|	|	|	1.20
8.667	0.00	0.41	0.871	O	|	|	|	1.20
8.750	0.00	0.41	0.868	O	|	|	|	1.19
8.833	0.00	0.41	0.865	O	|	|	|	1.19
8.917	0.00	0.41	0.862	O	|	|	|	1.19
9.000	0.00	0.41	0.859	O	|	|	|	1.18
9.083	0.00	0.41	0.857	O	|	|	|	1.18
9.167	0.00	0.41	0.854	O	|	|	|	1.18
9.250	0.00	0.41	0.851	O	|	|	|	1.17
9.333	0.00	0.40	0.848	O	|	|	|	1.17
9.417	0.00	0.40	0.846	O	|	|	|	1.17
9.500	0.00	0.40	0.843	O	|	|	|	1.16
9.583	0.00	0.40	0.840	O	|	|	|	1.16
9.667	0.00	0.40	0.837	O	|	|	|	1.16
9.750	0.00	0.40	0.834	O	|	|	|	1.15
9.833	0.00	0.40	0.832	O	|	|	|	1.15
9.917	0.00	0.40	0.829	O	|	|	|	1.15
10.000	0.00	0.40	0.826	O	|	|	|	1.14
10.083	0.00	0.40	0.823	O	|	|	|	1.14
10.167	0.00	0.40	0.821	O	|	|	|	1.14
10.250	0.00	0.39	0.818	O	|	|	|	1.13
10.333	0.00	0.39	0.815	O	|	|	|	1.13
10.417	0.00	0.39	0.813	O	|	|	|	1.13
10.500	0.00	0.39	0.810	O	|	|	|	1.12
10.583	0.00	0.39	0.807	O	|	|	|	1.12
10.667	0.00	0.39	0.805	O	|	|	|	1.12
10.750	0.00	0.39	0.802	O	|	|	|	1.11
10.833	0.00	0.39	0.799	O	|	|	|	1.11
10.917	0.00	0.39	0.796	O	|	|	|	1.11
11.000	0.00	0.39	0.794	O	|	|	|	1.10
11.083	0.00	0.39	0.791	O	|	|	|	1.10
11.167	0.00	0.39	0.788	O	|	|	|	1.10
11.250	0.00	0.38	0.786	O	|	|	|	1.09
11.333	0.00	0.38	0.783	O	|	|	|	1.09
11.417	0.00	0.38	0.781	O	|	|	|	1.09
11.500	0.00	0.38	0.778	O	|	|	|	1.08
11.583	0.00	0.38	0.775	O	|	|	|	1.08

11.667	0.00	0.38	0.773	O	|	|	|	1.08
11.750	0.00	0.38	0.770	O	|	|	|	1.07
11.833	0.00	0.38	0.767	O	|	|	|	1.07
11.917	0.00	0.38	0.765	O	|	|	|	1.07
12.000	0.00	0.38	0.762	O	|	|	|	1.06
12.083	0.00	0.38	0.760	O	|	|	|	1.06
12.167	0.00	0.38	0.757	O	|	|	|	1.06
12.250	0.00	0.37	0.754	O	|	|	|	1.05
12.333	0.00	0.37	0.752	O	|	|	|	1.05
12.417	0.00	0.37	0.749	O	|	|	|	1.05
12.500	0.00	0.37	0.747	O	|	|	|	1.05
12.583	0.00	0.37	0.744	O	|	|	|	1.04
12.667	0.00	0.37	0.742	O	|	|	|	1.04
12.750	0.00	0.37	0.739	O	|	|	|	1.04
12.833	0.00	0.37	0.737	O	|	|	|	1.03
12.917	0.00	0.37	0.734	O	|	|	|	1.03
13.000	0.00	0.37	0.732	O	|	|	|	1.03
13.083	0.00	0.37	0.729	O	|	|	|	1.02
13.167	0.00	0.37	0.726	O	|	|	|	1.02
13.250	0.00	0.36	0.724	O	|	|	|	1.02
13.333	0.00	0.36	0.721	O	|	|	|	1.01
13.417	0.00	0.36	0.719	O	|	|	|	1.01
13.500	0.00	0.36	0.716	O	|	|	|	1.01
13.583	0.00	0.36	0.714	O	|	|	|	1.00
13.667	0.00	0.36	0.711	O	|	|	|	1.00
13.750	0.00	0.36	0.709	O	|	|	|	1.00
13.833	0.00	0.36	0.707	O	|	|	|	1.00
13.917	0.00	0.36	0.704	O	|	|	|	0.99
14.000	0.00	0.36	0.702	O	|	|	|	0.99
14.083	0.00	0.35	0.699	O	|	|	|	0.98
14.167	0.00	0.35	0.697	O	|	|	|	0.98
14.250	0.00	0.35	0.694	O	|	|	|	0.98
14.333	0.00	0.35	0.692	O	|	|	|	0.97
14.417	0.00	0.35	0.689	O	|	|	|	0.97
14.500	0.00	0.35	0.687	O	|	|	|	0.97
14.583	0.00	0.35	0.685	O	|	|	|	0.96
14.667	0.00	0.35	0.682	O	|	|	|	0.96
14.750	0.00	0.34	0.680	O	|	|	|	0.96
14.833	0.00	0.34	0.678	O	|	|	|	0.95
14.917	0.00	0.34	0.675	O	|	|	|	0.95
15.000	0.00	0.34	0.673	O	|	|	|	0.95
15.083	0.00	0.34	0.670	O	|	|	|	0.94
15.167	0.00	0.34	0.668	O	|	|	|	0.94
15.250	0.00	0.34	0.666	O	|	|	|	0.94
15.333	0.00	0.34	0.663	O	|	|	|	0.93
15.417	0.00	0.34	0.661	O	|	|	|	0.93
15.500	0.00	0.33	0.659	O	|	|	|	0.93
15.583	0.00	0.33	0.657	O	|	|	|	0.92
15.667	0.00	0.33	0.654	O	|	|	|	0.92
15.750	0.00	0.33	0.652	O	|	|	|	0.92
15.833	0.00	0.33	0.650	O	|	|	|	0.92
15.917	0.00	0.33	0.647	O	|	|	|	0.91
16.000	0.00	0.33	0.645	O	|	|	|	0.91
16.083	0.00	0.33	0.643	O	|	|	|	0.91
16.167	0.00	0.32	0.641	O	|	|	|	0.90
16.250	0.00	0.32	0.638	O	|	|	|	0.90
16.333	0.00	0.32	0.636	O	|	|	|	0.90
16.417	0.00	0.32	0.634	O	|	|	|	0.89
16.500	0.00	0.32	0.632	O	|	|	|	0.89
16.583	0.00	0.32	0.630	O	|	|	|	0.89
16.667	0.00	0.32	0.627	O	|	|	|	0.88
16.750	0.00	0.32	0.625	O	|	|	|	0.88
16.833	0.00	0.32	0.623	O	|	|	|	0.88
16.917	0.00	0.31	0.621	O	|	|	|	0.87
17.000	0.00	0.31	0.619	O	|	|	|	0.87
17.083	0.00	0.31	0.617	O	|	|	|	0.87
17.167	0.00	0.31	0.614	O	|	|	|	0.87

17.250	0.00	0.31	0.612	O	|	|	|	0.86
17.333	0.00	0.31	0.610	O	|	|	|	0.86
17.417	0.00	0.31	0.608	O	|	|	|	0.86
17.500	0.00	0.31	0.606	O	|	|	|	0.85
17.583	0.00	0.31	0.604	O	|	|	|	0.85
17.667	0.00	0.31	0.602	O	|	|	|	0.85
17.750	0.00	0.30	0.600	O	|	|	|	0.84
17.833	0.00	0.30	0.597	O	|	|	|	0.84
17.917	0.00	0.30	0.595	O	|	|	|	0.84
18.000	0.00	0.30	0.593	O	|	|	|	0.84
18.083	0.00	0.30	0.591	O	|	|	|	0.83
18.167	0.00	0.30	0.589	O	|	|	|	0.83
18.250	0.00	0.30	0.587	O	|	|	|	0.83
18.333	0.00	0.30	0.585	O	|	|	|	0.82
18.417	0.00	0.30	0.583	O	|	|	|	0.82
18.500	0.00	0.29	0.581	O	|	|	|	0.82
18.583	0.00	0.29	0.579	O	|	|	|	0.82
18.667	0.00	0.29	0.577	O	|	|	|	0.81
18.750	0.00	0.29	0.575	O	|	|	|	0.81
18.833	0.00	0.29	0.573	O	|	|	|	0.81
18.917	0.00	0.29	0.571	O	|	|	|	0.80
19.000	0.00	0.29	0.569	O	|	|	|	0.80
19.083	0.00	0.29	0.567	O	|	|	|	0.80
19.167	0.00	0.29	0.565	O	|	|	|	0.80
19.250	0.00	0.29	0.563	O	|	|	|	0.79
19.333	0.00	0.28	0.561	O	|	|	|	0.79
19.417	0.00	0.28	0.559	O	|	|	|	0.79
19.500	0.00	0.28	0.557	O	|	|	|	0.78
19.583	0.00	0.28	0.555	O	|	|	|	0.78
19.667	0.00	0.28	0.553	O	|	|	|	0.78
19.750	0.00	0.28	0.551	O	|	|	|	0.78
19.833	0.00	0.28	0.549	O	|	|	|	0.77
19.917	0.00	0.28	0.548	O	|	|	|	0.77
20.000	0.00	0.28	0.546	O	|	|	|	0.77
20.083	0.00	0.28	0.544	O	|	|	|	0.77
20.167	0.00	0.27	0.542	O	|	|	|	0.76
20.250	0.00	0.27	0.540	O	|	|	|	0.76
20.333	0.00	0.27	0.538	O	|	|	|	0.76
20.417	0.00	0.27	0.536	O	|	|	|	0.76
20.500	0.00	0.27	0.534	O	|	|	|	0.75
20.583	0.00	0.27	0.532	O	|	|	|	0.75
20.667	0.00	0.27	0.531	O	|	|	|	0.75
20.750	0.00	0.27	0.529	O	|	|	|	0.74
20.833	0.00	0.27	0.527	O	|	|	|	0.74
20.917	0.00	0.27	0.525	O	|	|	|	0.74
21.000	0.00	0.27	0.523	O	|	|	|	0.74
21.083	0.00	0.26	0.521	O	|	|	|	0.73
21.167	0.00	0.26	0.520	O	|	|	|	0.73
21.250	0.00	0.26	0.518	O	|	|	|	0.73
21.333	0.00	0.26	0.516	O	|	|	|	0.73
21.417	0.00	0.26	0.514	O	|	|	|	0.72
21.500	0.00	0.26	0.512	O	|	|	|	0.72
21.583	0.00	0.26	0.511	O	|	|	|	0.72
21.667	0.00	0.26	0.509	O	|	|	|	0.72
21.750	0.00	0.26	0.507	O	|	|	|	0.71
21.833	0.00	0.26	0.505	O	|	|	|	0.71
21.917	0.00	0.26	0.504	O	|	|	|	0.71
22.000	0.00	0.25	0.502	O	|	|	|	0.71
22.083	0.00	0.25	0.500	O	|	|	|	0.70
22.167	0.00	0.25	0.498	O	|	|	|	0.70
22.250	0.00	0.25	0.497	O	|	|	|	0.70
22.333	0.00	0.25	0.495	O	|	|	|	0.70
22.417	0.00	0.25	0.493	O	|	|	|	0.69
22.500	0.00	0.25	0.491	O	|	|	|	0.69
22.583	0.00	0.25	0.490	O	|	|	|	0.69
22.667	0.00	0.25	0.488	O	|	|	|	0.69
22.750	0.00	0.25	0.486	O	|	|	|	0.68

22.833	0.00	0.25	0.485	O	|	|	|	0.68
22.917	0.00	0.24	0.483	O	|	|	|	0.68
23.000	0.00	0.24	0.481	O	|	|	|	0.68
23.083	0.00	0.24	0.480	O	|	|	|	0.68
23.167	0.00	0.24	0.478	O	|	|	|	0.67
23.250	0.00	0.24	0.476	O	|	|	|	0.67
23.333	0.00	0.24	0.475	O	|	|	|	0.67
23.417	0.00	0.24	0.473	O	|	|	|	0.67
23.500	0.00	0.24	0.471	O	|	|	|	0.66
23.583	0.00	0.24	0.470	O	|	|	|	0.66
23.667	0.00	0.24	0.468	O	|	|	|	0.66
23.750	0.00	0.24	0.466	O	|	|	|	0.66
23.833	0.00	0.24	0.465	O	|	|	|	0.65
23.917	0.00	0.23	0.463	O	|	|	|	0.65
24.000	0.00	0.23	0.461	O	|	|	|	0.65
24.083	0.00	0.23	0.460	O	|	|	|	0.65
24.167	0.00	0.23	0.458	O	|	|	|	0.65
24.250	0.00	0.23	0.457	O	|	|	|	0.64
24.333	0.00	0.23	0.455	O	|	|	|	0.64
24.417	0.00	0.23	0.453	O	|	|	|	0.64
24.500	0.00	0.23	0.452	O	|	|	|	0.64
24.583	0.00	0.23	0.450	O	|	|	|	0.63
24.667	0.00	0.23	0.449	O	|	|	|	0.63
24.750	0.00	0.23	0.447	O	|	|	|	0.63
24.833	0.00	0.23	0.446	O	|	|	|	0.63
24.917	0.00	0.23	0.444	O	|	|	|	0.63
25.000	0.00	0.22	0.442	O	|	|	|	0.62
25.083	0.00	0.22	0.441	O	|	|	|	0.62
25.167	0.00	0.22	0.439	O	|	|	|	0.62
25.250	0.00	0.22	0.438	O	|	|	|	0.62
25.333	0.00	0.22	0.436	O	|	|	|	0.61
25.417	0.00	0.22	0.435	O	|	|	|	0.61
25.500	0.00	0.22	0.433	O	|	|	|	0.61
25.583	0.00	0.22	0.432	O	|	|	|	0.61
25.667	0.00	0.22	0.430	O	|	|	|	0.61
25.750	0.00	0.22	0.429	O	|	|	|	0.60
25.833	0.00	0.22	0.427	O	|	|	|	0.60
25.917	0.00	0.22	0.426	O	|	|	|	0.60
26.000	0.00	0.22	0.424	O	|	|	|	0.60
26.083	0.00	0.21	0.423	O	|	|	|	0.60
26.167	0.00	0.21	0.421	O	|	|	|	0.59
26.250	0.00	0.21	0.420	O	|	|	|	0.59
26.333	0.00	0.21	0.418	O	|	|	|	0.59
26.417	0.00	0.21	0.417	O	|	|	|	0.59
26.500	0.00	0.21	0.416	O	|	|	|	0.59
26.583	0.00	0.21	0.414	O	|	|	|	0.58
26.667	0.00	0.21	0.413	O	|	|	|	0.58
26.750	0.00	0.21	0.411	O	|	|	|	0.58
26.833	0.00	0.21	0.410	O	|	|	|	0.58
26.917	0.00	0.21	0.408	O	|	|	|	0.58
27.000	0.00	0.21	0.407	O	|	|	|	0.57
27.083	0.00	0.21	0.406	O	|	|	|	0.57
27.167	0.00	0.20	0.404	O	|	|	|	0.57
27.250	0.00	0.20	0.403	O	|	|	|	0.57
27.333	0.00	0.20	0.401	O	|	|	|	0.57
27.417	0.00	0.20	0.400	O	|	|	|	0.56
27.500	0.00	0.20	0.398	O	|	|	|	0.56
27.583	0.00	0.20	0.397	O	|	|	|	0.56
27.667	0.00	0.20	0.396	O	|	|	|	0.56
27.750	0.00	0.20	0.394	O	|	|	|	0.56
27.833	0.00	0.20	0.393	O	|	|	|	0.55
27.917	0.00	0.20	0.392	O	|	|	|	0.55
28.000	0.00	0.20	0.390	O	|	|	|	0.55
28.083	0.00	0.20	0.389	O	|	|	|	0.55
28.167	0.00	0.20	0.388	O	|	|	|	0.55
28.250	0.00	0.20	0.386	O	|	|	|	0.54
28.333	0.00	0.20	0.385	O	|	|	|	0.54

28.417	0.00	0.19	0.383	O	|	|	|	0.54
28.500	0.00	0.19	0.382	O	|	|	|	0.54
28.583	0.00	0.19	0.381	O	|	|	|	0.54
28.667	0.00	0.19	0.379	O	|	|	|	0.53
28.750	0.00	0.19	0.378	O	|	|	|	0.53
28.833	0.00	0.19	0.377	O	|	|	|	0.53
28.917	0.00	0.19	0.376	O	|	|	|	0.53
29.000	0.00	0.19	0.374	O	|	|	|	0.53
29.083	0.00	0.19	0.373	O	|	|	|	0.53
29.167	0.00	0.19	0.372	O	|	|	|	0.52
29.250	0.00	0.19	0.370	O	|	|	|	0.52
29.333	0.00	0.19	0.369	O	|	|	|	0.52
29.417	0.00	0.19	0.368	O	|	|	|	0.52
29.500	0.00	0.19	0.366	O	|	|	|	0.52
29.583	0.00	0.19	0.365	O	|	|	|	0.51
29.667	0.00	0.18	0.364	O	|	|	|	0.51
29.750	0.00	0.18	0.363	O	|	|	|	0.51
29.833	0.00	0.18	0.361	O	|	|	|	0.51
29.917	0.00	0.18	0.360	O	|	|	|	0.51
30.000	0.00	0.18	0.359	O	|	|	|	0.51
30.083	0.00	0.18	0.358	O	|	|	|	0.50
30.167	0.00	0.18	0.356	O	|	|	|	0.50
30.250	0.00	0.18	0.355	O	|	|	|	0.50
30.333	0.00	0.18	0.354	O	|	|	|	0.50
30.417	0.00	0.18	0.353	O	|	|	|	0.50
30.500	0.00	0.18	0.351	O	|	|	|	0.49
30.583	0.00	0.18	0.350	O	|	|	|	0.49
30.667	0.00	0.18	0.349	O	|	|	|	0.49
30.750	0.00	0.18	0.348	O	|	|	|	0.49
30.833	0.00	0.18	0.347	O	|	|	|	0.49
30.917	0.00	0.18	0.345	O	|	|	|	0.49
31.000	0.00	0.17	0.344	O	|	|	|	0.48
31.083	0.00	0.17	0.343	O	|	|	|	0.48
31.167	0.00	0.17	0.342	O	|	|	|	0.48
31.250	0.00	0.17	0.341	O	|	|	|	0.48
31.333	0.00	0.17	0.339	O	|	|	|	0.48
31.417	0.00	0.17	0.338	O	|	|	|	0.48
31.500	0.00	0.17	0.337	O	|	|	|	0.47
31.583	0.00	0.17	0.336	O	|	|	|	0.47
31.667	0.00	0.17	0.335	O	|	|	|	0.47
31.750	0.00	0.17	0.333	O	|	|	|	0.47
31.833	0.00	0.17	0.332	O	|	|	|	0.47
31.917	0.00	0.17	0.331	O	|	|	|	0.47
32.000	0.00	0.17	0.330	O	|	|	|	0.46
32.083	0.00	0.17	0.329	O	|	|	|	0.46
32.167	0.00	0.17	0.328	O	|	|	|	0.46
32.250	0.00	0.17	0.327	O	|	|	|	0.46
32.333	0.00	0.17	0.325	O	|	|	|	0.46
32.417	0.00	0.16	0.324	O	|	|	|	0.46
32.500	0.00	0.16	0.323	O	|	|	|	0.46
32.583	0.00	0.16	0.322	O	|	|	|	0.45
32.667	0.00	0.16	0.321	O	|	|	|	0.45
32.750	0.00	0.16	0.320	O	|	|	|	0.45
32.833	0.00	0.16	0.319	O	|	|	|	0.45
32.917	0.00	0.16	0.318	O	|	|	|	0.45
33.000	0.00	0.16	0.316	O	|	|	|	0.45
33.083	0.00	0.16	0.315	O	|	|	|	0.44
33.167	0.00	0.16	0.314	O	|	|	|	0.44
33.250	0.00	0.16	0.313	O	|	|	|	0.44
33.333	0.00	0.16	0.312	O	|	|	|	0.44
33.417	0.00	0.16	0.311	O	|	|	|	0.44
33.500	0.00	0.16	0.310	O	|	|	|	0.44
33.583	0.00	0.16	0.309	O	|	|	|	0.43
33.667	0.00	0.16	0.308	O	|	|	|	0.43
33.750	0.00	0.16	0.307	O	|	|	|	0.43
33.833	0.00	0.15	0.306	O	|	|	|	0.43
33.917	0.00	0.15	0.305	O	|	|	|	0.43

34.000	0.00	0.15	0.303	O	|	|	|	0.43
34.083	0.00	0.15	0.302	O	|	|	|	0.43
34.167	0.00	0.15	0.301	O	|	|	|	0.42
34.250	0.00	0.15	0.300	O	|	|	|	0.42
34.333	0.00	0.15	0.299	O	|	|	|	0.42
34.417	0.00	0.15	0.298	O	|	|	|	0.42
34.500	0.00	0.15	0.297	O	|	|	|	0.42
34.583	0.00	0.15	0.296	O	|	|	|	0.42
34.667	0.00	0.15	0.295	O	|	|	|	0.42
34.750	0.00	0.15	0.294	O	|	|	|	0.41
34.833	0.00	0.15	0.293	O	|	|	|	0.41
34.917	0.00	0.15	0.292	O	|	|	|	0.41
35.000	0.00	0.15	0.291	O	|	|	|	0.41
35.083	0.00	0.15	0.290	O	|	|	|	0.41
35.167	0.00	0.15	0.289	O	|	|	|	0.41
35.250	0.00	0.15	0.288	O	|	|	|	0.41
35.333	0.00	0.15	0.287	O	|	|	|	0.40
35.417	0.00	0.15	0.286	O	|	|	|	0.40
35.500	0.00	0.14	0.285	O	|	|	|	0.40
35.583	0.00	0.14	0.284	O	|	|	|	0.40
35.667	0.00	0.14	0.283	O	|	|	|	0.40
35.750	0.00	0.14	0.282	O	|	|	|	0.40
35.833	0.00	0.14	0.281	O	|	|	|	0.40
35.917	0.00	0.14	0.280	O	|	|	|	0.39
36.000	0.00	0.14	0.279	O	|	|	|	0.39
36.083	0.00	0.14	0.278	O	|	|	|	0.39
36.167	0.00	0.14	0.277	O	|	|	|	0.39
36.250	0.00	0.14	0.276	O	|	|	|	0.39
36.333	0.00	0.14	0.275	O	|	|	|	0.39
36.417	0.00	0.14	0.274	O	|	|	|	0.39
36.500	0.00	0.14	0.273	O	|	|	|	0.38
36.583	0.00	0.14	0.272	O	|	|	|	0.38
36.667	0.00	0.14	0.271	O	|	|	|	0.38
36.750	0.00	0.14	0.270	O	|	|	|	0.38
36.833	0.00	0.14	0.269	O	|	|	|	0.38
36.917	0.00	0.14	0.269	O	|	|	|	0.38
37.000	0.00	0.14	0.268	O	|	|	|	0.38
37.083	0.00	0.14	0.267	O	|	|	|	0.38
37.167	0.00	0.13	0.266	O	|	|	|	0.37
37.250	0.00	0.13	0.265	O	|	|	|	0.37
37.333	0.00	0.13	0.264	O	|	|	|	0.37
37.417	0.00	0.13	0.263	O	|	|	|	0.37
37.500	0.00	0.13	0.262	O	|	|	|	0.37
37.583	0.00	0.13	0.261	O	|	|	|	0.37
37.667	0.00	0.13	0.260	O	|	|	|	0.37
37.750	0.00	0.13	0.259	O	|	|	|	0.37
37.833	0.00	0.13	0.258	O	|	|	|	0.36
37.917	0.00	0.13	0.258	O	|	|	|	0.36
38.000	0.00	0.13	0.257	O	|	|	|	0.36
38.083	0.00	0.13	0.256	O	|	|	|	0.36
38.167	0.00	0.13	0.255	O	|	|	|	0.36
38.250	0.00	0.13	0.254	O	|	|	|	0.36
38.333	0.00	0.13	0.253	O	|	|	|	0.36
38.417	0.00	0.13	0.252	O	|	|	|	0.36
38.500	0.00	0.13	0.251	O	|	|	|	0.35
38.583	0.00	0.13	0.250	O	|	|	|	0.35
38.667	0.00	0.13	0.250	O	|	|	|	0.35
38.750	0.00	0.13	0.249	O	|	|	|	0.35
38.833	0.00	0.13	0.248	O	|	|	|	0.35
38.917	0.00	0.13	0.247	O	|	|	|	0.35
39.000	0.00	0.12	0.246	O	|	|	|	0.35
39.083	0.00	0.12	0.245	O	|	|	|	0.35
39.167	0.00	0.12	0.244	O	|	|	|	0.34
39.250	0.00	0.12	0.244	O	|	|	|	0.34
39.333	0.00	0.12	0.243	O	|	|	|	0.34
39.417	0.00	0.12	0.242	O	|	|	|	0.34
39.500	0.00	0.12	0.241	O	|	|	|	0.34

39.583	0.00	0.12	0.240	O	|	|	|	|	0.34
39.667	0.00	0.12	0.239	O	|	|	|	|	0.34
39.750	0.00	0.12	0.238	O	|	|	|	|	0.34
39.833	0.00	0.12	0.238	O	|	|	|	|	0.33
39.917	0.00	0.12	0.237	O	|	|	|	|	0.33
40.000	0.00	0.12	0.236	O	|	|	|	|	0.33
40.083	0.00	0.12	0.235	O	|	|	|	|	0.33
40.167	0.00	0.12	0.234	O	|	|	|	|	0.33
40.250	0.00	0.12	0.234	O	|	|	|	|	0.33
40.333	0.00	0.12	0.233	O	|	|	|	|	0.33
40.417	0.00	0.12	0.232	O	|	|	|	|	0.33
40.500	0.00	0.12	0.231	O	|	|	|	|	0.33
40.583	0.00	0.12	0.230	O	|	|	|	|	0.32
40.667	0.00	0.12	0.230	O	|	|	|	|	0.32
40.750	0.00	0.12	0.229	O	|	|	|	|	0.32
40.833	0.00	0.12	0.228	O	|	|	|	|	0.32
40.917	0.00	0.12	0.227	O	|	|	|	|	0.32
41.000	0.00	0.11	0.226	O	|	|	|	|	0.32
41.083	0.00	0.11	0.226	O	|	|	|	|	0.32
41.167	0.00	0.11	0.225	O	|	|	|	|	0.32
41.250	0.00	0.11	0.224	O	|	|	|	|	0.32
41.333	0.00	0.11	0.223	O	|	|	|	|	0.31
41.417	0.00	0.11	0.222	O	|	|	|	|	0.31
41.500	0.00	0.11	0.222	O	|	|	|	|	0.31
41.583	0.00	0.11	0.221	O	|	|	|	|	0.31
41.667	0.00	0.11	0.220	O	|	|	|	|	0.31
41.750	0.00	0.11	0.219	O	|	|	|	|	0.31
41.833	0.00	0.11	0.219	O	|	|	|	|	0.31
41.917	0.00	0.11	0.218	O	|	|	|	|	0.31
42.000	0.00	0.11	0.217	O	|	|	|	|	0.31
42.083	0.00	0.11	0.216	O	|	|	|	|	0.30
42.167	0.00	0.11	0.216	O	|	|	|	|	0.30
42.250	0.00	0.11	0.215	O	|	|	|	|	0.30
42.333	0.00	0.11	0.214	O	|	|	|	|	0.30
42.417	0.00	0.11	0.213	O	|	|	|	|	0.30
42.500	0.00	0.11	0.213	O	|	|	|	|	0.30
42.583	0.00	0.11	0.212	O	|	|	|	|	0.30
42.667	0.00	0.11	0.211	O	|	|	|	|	0.30
42.750	0.00	0.11	0.210	O	|	|	|	|	0.30
42.833	0.00	0.11	0.210	O	|	|	|	|	0.30
42.917	0.00	0.11	0.209	O	|	|	|	|	0.29
43.000	0.00	0.11	0.208	O	|	|	|	|	0.29
43.083	0.00	0.11	0.207	O	|	|	|	|	0.29
43.167	0.00	0.10	0.207	O	|	|	|	|	0.29
43.250	0.00	0.10	0.206	O	|	|	|	|	0.29
43.333	0.00	0.10	0.205	O	|	|	|	|	0.29
43.417	0.00	0.10	0.205	O	|	|	|	|	0.29
43.500	0.00	0.10	0.204	O	|	|	|	|	0.29
43.583	0.00	0.10	0.203	O	|	|	|	|	0.29
43.667	0.00	0.10	0.202	O	|	|	|	|	0.29
43.750	0.00	0.10	0.202	O	|	|	|	|	0.28
43.833	0.00	0.10	0.201	O	|	|	|	|	0.28
43.917	0.00	0.10	0.200	O	|	|	|	|	0.28
44.000	0.00	0.10	0.200	O	|	|	|	|	0.28
44.083	0.00	0.10	0.199	O	|	|	|	|	0.28
44.167	0.00	0.10	0.198	O	|	|	|	|	0.28
44.250	0.00	0.10	0.198	O	|	|	|	|	0.28
44.333	0.00	0.10	0.197	O	|	|	|	|	0.28
44.417	0.00	0.10	0.196	O	|	|	|	|	0.28
44.500	0.00	0.10	0.195	O	|	|	|	|	0.28
44.583	0.00	0.10	0.195	O	|	|	|	|	0.27
44.667	0.00	0.10	0.194	O	|	|	|	|	0.27
44.750	0.00	0.10	0.193	O	|	|	|	|	0.27
44.833	0.00	0.10	0.193	O	|	|	|	|	0.27
44.917	0.00	0.10	0.192	O	|	|	|	|	0.27
45.000	0.00	0.10	0.191	O	|	|	|	|	0.27
45.083	0.00	0.10	0.191	O	|	|	|	|	0.27

45.167	0.00	0.10	0.190	O	|	|	|	|	0.27
45.250	0.00	0.10	0.189	O	|	|	|	|	0.27
45.333	0.00	0.10	0.189	O	|	|	|	|	0.27
45.417	0.00	0.10	0.188	O	|	|	|	|	0.26
45.500	0.00	0.10	0.187	O	|	|	|	|	0.26
45.583	0.00	0.09	0.187	O	|	|	|	|	0.26
45.667	0.00	0.09	0.186	O	|	|	|	|	0.26
45.750	0.00	0.09	0.185	O	|	|	|	|	0.26
45.833	0.00	0.09	0.185	O	|	|	|	|	0.26
45.917	0.00	0.09	0.184	O	|	|	|	|	0.26
46.000	0.00	0.09	0.184	O	|	|	|	|	0.26
46.083	0.00	0.09	0.183	O	|	|	|	|	0.26
46.167	0.00	0.09	0.182	O	|	|	|	|	0.26
46.250	0.00	0.09	0.182	O	|	|	|	|	0.26
46.333	0.00	0.09	0.181	O	|	|	|	|	0.25
46.417	0.00	0.09	0.180	O	|	|	|	|	0.25
46.500	0.00	0.09	0.180	O	|	|	|	|	0.25
46.583	0.00	0.09	0.179	O	|	|	|	|	0.25
46.667	0.00	0.09	0.178	O	|	|	|	|	0.25
46.750	0.00	0.09	0.178	O	|	|	|	|	0.25
46.833	0.00	0.09	0.177	O	|	|	|	|	0.25
46.917	0.00	0.09	0.177	O	|	|	|	|	0.25
47.000	0.00	0.09	0.176	O	|	|	|	|	0.25
47.083	0.00	0.09	0.175	O	|	|	|	|	0.25
47.167	0.00	0.09	0.175	O	|	|	|	|	0.25
47.250	0.00	0.09	0.174	O	|	|	|	|	0.25
47.333	0.00	0.09	0.174	O	|	|	|	|	0.24
47.417	0.00	0.09	0.173	O	|	|	|	|	0.24
47.500	0.00	0.09	0.172	O	|	|	|	|	0.24
47.583	0.00	0.09	0.172	O	|	|	|	|	0.24
47.667	0.00	0.09	0.171	O	|	|	|	|	0.24
47.750	0.00	0.09	0.171	O	|	|	|	|	0.24
47.833	0.00	0.09	0.170	O	|	|	|	|	0.24
47.917	0.00	0.09	0.169	O	|	|	|	|	0.24
48.000	0.00	0.09	0.169	O	|	|	|	|	0.24
48.083	0.00	0.09	0.168	O	|	|	|	|	0.24
48.167	0.00	0.08	0.168	O	|	|	|	|	0.24
48.250	0.00	0.08	0.167	O	|	|	|	|	0.24
48.333	0.00	0.08	0.166	O	|	|	|	|	0.23
48.417	0.00	0.08	0.166	O	|	|	|	|	0.23
48.500	0.00	0.08	0.165	O	|	|	|	|	0.23
48.583	0.00	0.08	0.165	O	|	|	|	|	0.23
48.667	0.00	0.08	0.164	O	|	|	|	|	0.23
48.750	0.00	0.08	0.164	O	|	|	|	|	0.23
48.833	0.00	0.08	0.163	O	|	|	|	|	0.23
48.917	0.00	0.08	0.162	O	|	|	|	|	0.23
49.000	0.00	0.08	0.162	O	|	|	|	|	0.23
49.083	0.00	0.08	0.161	O	|	|	|	|	0.23
49.167	0.00	0.08	0.161	O	|	|	|	|	0.23
49.250	0.00	0.08	0.160	O	|	|	|	|	0.23
49.333	0.00	0.08	0.160	O	|	|	|	|	0.22
49.417	0.00	0.08	0.159	O	|	|	|	|	0.22
49.500	0.00	0.08	0.159	O	|	|	|	|	0.22
49.583	0.00	0.08	0.158	O	|	|	|	|	0.22
49.667	0.00	0.08	0.157	O	|	|	|	|	0.22
49.750	0.00	0.08	0.157	O	|	|	|	|	0.22
49.833	0.00	0.08	0.156	O	|	|	|	|	0.22
49.917	0.00	0.08	0.156	O	|	|	|	|	0.22
50.000	0.00	0.08	0.155	O	|	|	|	|	0.22
50.083	0.00	0.08	0.155	O	|	|	|	|	0.22
50.167	0.00	0.08	0.154	O	|	|	|	|	0.22
50.250	0.00	0.08	0.154	O	|	|	|	|	0.22
50.333	0.00	0.08	0.153	O	|	|	|	|	0.22
50.417	0.00	0.08	0.153	O	|	|	|	|	0.21
50.500	0.00	0.08	0.152	O	|	|	|	|	0.21
50.583	0.00	0.08	0.151	O	|	|	|	|	0.21
50.667	0.00	0.08	0.151	O	|	|	|	|	0.21

50.750	0.00	0.08	0.150	O	|	|	|	0.21
50.833	0.00	0.08	0.150	O	|	|	|	0.21
50.917	0.00	0.08	0.149	O	|	|	|	0.21
51.000	0.00	0.08	0.149	O	|	|	|	0.21
51.083	0.00	0.08	0.148	O	|	|	|	0.21
51.167	0.00	0.07	0.148	O	|	|	|	0.21
51.250	0.00	0.07	0.147	O	|	|	|	0.21
51.333	0.00	0.07	0.147	O	|	|	|	0.21
51.417	0.00	0.07	0.146	O	|	|	|	0.21
51.500	0.00	0.07	0.146	O	|	|	|	0.21
51.583	0.00	0.07	0.145	O	|	|	|	0.20
51.667	0.00	0.07	0.145	O	|	|	|	0.20
51.750	0.00	0.07	0.144	O	|	|	|	0.20
51.833	0.00	0.07	0.144	O	|	|	|	0.20
51.917	0.00	0.07	0.143	O	|	|	|	0.20
52.000	0.00	0.07	0.143	O	|	|	|	0.20
52.083	0.00	0.07	0.142	O	|	|	|	0.20
52.167	0.00	0.07	0.142	O	|	|	|	0.20
52.250	0.00	0.07	0.141	O	|	|	|	0.20
52.333	0.00	0.07	0.141	O	|	|	|	0.20
52.417	0.00	0.07	0.140	O	|	|	|	0.20
52.500	0.00	0.07	0.140	O	|	|	|	0.20
52.583	0.00	0.07	0.139	O	|	|	|	0.20
52.667	0.00	0.07	0.139	O	|	|	|	0.20
52.750	0.00	0.07	0.138	O	|	|	|	0.19
52.833	0.00	0.07	0.138	O	|	|	|	0.19
52.917	0.00	0.07	0.137	O	|	|	|	0.19
53.000	0.00	0.07	0.137	O	|	|	|	0.19
53.083	0.00	0.07	0.136	O	|	|	|	0.19
53.167	0.00	0.07	0.136	O	|	|	|	0.19
53.250	0.00	0.07	0.135	O	|	|	|	0.19
53.333	0.00	0.07	0.135	O	|	|	|	0.19
53.417	0.00	0.07	0.135	O	|	|	|	0.19
53.500	0.00	0.07	0.134	O	|	|	|	0.19
53.583	0.00	0.07	0.134	O	|	|	|	0.19
53.667	0.00	0.07	0.133	O	|	|	|	0.19
53.750	0.00	0.07	0.133	O	|	|	|	0.19
53.833	0.00	0.07	0.132	O	|	|	|	0.19
53.917	0.00	0.07	0.132	O	|	|	|	0.19
54.000	0.00	0.07	0.131	O	|	|	|	0.18
54.083	0.00	0.07	0.131	O	|	|	|	0.18
54.167	0.00	0.07	0.130	O	|	|	|	0.18
54.250	0.00	0.07	0.130	O	|	|	|	0.18
54.333	0.00	0.07	0.129	O	|	|	|	0.18
54.417	0.00	0.07	0.129	O	|	|	|	0.18
54.500	0.00	0.07	0.129	O	|	|	|	0.18
54.583	0.00	0.06	0.128	O	|	|	|	0.18
54.667	0.00	0.06	0.128	O	|	|	|	0.18
54.750	0.00	0.06	0.127	O	|	|	|	0.18
54.833	0.00	0.06	0.127	O	|	|	|	0.18
54.917	0.00	0.06	0.126	O	|	|	|	0.18
55.000	0.00	0.06	0.126	O	|	|	|	0.18
55.083	0.00	0.06	0.125	O	|	|	|	0.18
55.167	0.00	0.06	0.125	O	|	|	|	0.18
55.250	0.00	0.06	0.125	O	|	|	|	0.18
55.333	0.00	0.06	0.124	O	|	|	|	0.17
55.417	0.00	0.06	0.124	O	|	|	|	0.17
55.500	0.00	0.06	0.123	O	|	|	|	0.17
55.583	0.00	0.06	0.123	O	|	|	|	0.17
55.667	0.00	0.06	0.122	O	|	|	|	0.17
55.750	0.00	0.06	0.122	O	|	|	|	0.17
55.833	0.00	0.06	0.122	O	|	|	|	0.17
55.917	0.00	0.06	0.121	O	|	|	|	0.17
56.000	0.00	0.06	0.121	O	|	|	|	0.17
56.083	0.00	0.06	0.120	O	|	|	|	0.17
56.167	0.00	0.06	0.120	O	|	|	|	0.17
56.250	0.00	0.06	0.119	O	|	|	|	0.17

56.333	0.00	0.06	0.119	O	|	|	|	|	0.17
56.417	0.00	0.06	0.119	O	|	|	|	|	0.17
56.500	0.00	0.06	0.118	O	|	|	|	|	0.17
56.583	0.00	0.06	0.118	O	|	|	|	|	0.17
56.667	0.00	0.06	0.117	O	|	|	|	|	0.17
56.750	0.00	0.06	0.117	O	|	|	|	|	0.16
56.833	0.00	0.06	0.117	O	|	|	|	|	0.16
56.917	0.00	0.06	0.116	O	|	|	|	|	0.16
57.000	0.00	0.06	0.116	O	|	|	|	|	0.16
57.083	0.00	0.06	0.115	O	|	|	|	|	0.16
57.167	0.00	0.06	0.115	O	|	|	|	|	0.16
57.250	0.00	0.06	0.115	O	|	|	|	|	0.16
57.333	0.00	0.06	0.114	O	|	|	|	|	0.16
57.417	0.00	0.06	0.114	O	|	|	|	|	0.16
57.500	0.00	0.06	0.113	O	|	|	|	|	0.16
57.583	0.00	0.06	0.113	O	|	|	|	|	0.16
57.667	0.00	0.06	0.113	O	|	|	|	|	0.16
57.750	0.00	0.06	0.112	O	|	|	|	|	0.16
57.833	0.00	0.06	0.112	O	|	|	|	|	0.16
57.917	0.00	0.06	0.111	O	|	|	|	|	0.16
58.000	0.00	0.06	0.111	O	|	|	|	|	0.16
58.083	0.00	0.06	0.111	O	|	|	|	|	0.16
58.167	0.00	0.06	0.110	O	|	|	|	|	0.16
58.250	0.00	0.06	0.110	O	|	|	|	|	0.15
58.333	0.00	0.06	0.109	O	|	|	|	|	0.15
58.417	0.00	0.06	0.109	O	|	|	|	|	0.15
58.500	0.00	0.06	0.109	O	|	|	|	|	0.15
58.583	0.00	0.05	0.108	O	|	|	|	|	0.15
58.667	0.00	0.05	0.108	O	|	|	|	|	0.15
58.750	0.00	0.05	0.108	O	|	|	|	|	0.15
58.833	0.00	0.05	0.107	O	|	|	|	|	0.15
58.917	0.00	0.05	0.107	O	|	|	|	|	0.15
59.000	0.00	0.05	0.106	O	|	|	|	|	0.15
59.083	0.00	0.05	0.106	O	|	|	|	|	0.15
59.167	0.00	0.05	0.106	O	|	|	|	|	0.15
59.250	0.00	0.05	0.105	O	|	|	|	|	0.15
59.333	0.00	0.05	0.105	O	|	|	|	|	0.15
59.417	0.00	0.05	0.105	O	|	|	|	|	0.15
59.500	0.00	0.05	0.104	O	|	|	|	|	0.15
59.583	0.00	0.05	0.104	O	|	|	|	|	0.15
59.667	0.00	0.05	0.104	O	|	|	|	|	0.15
59.750	0.00	0.05	0.103	O	|	|	|	|	0.15
59.833	0.00	0.05	0.103	O	|	|	|	|	0.14
59.917	0.00	0.05	0.102	O	|	|	|	|	0.14
60.000	0.00	0.05	0.102	O	|	|	|	|	0.14
60.083	0.00	0.05	0.102	O	|	|	|	|	0.14
60.167	0.00	0.05	0.101	O	|	|	|	|	0.14
60.250	0.00	0.05	0.101	O	|	|	|	|	0.14
60.333	0.00	0.05	0.101	O	|	|	|	|	0.14
60.417	0.00	0.05	0.100	O	|	|	|	|	0.14
60.500	0.00	0.05	0.100	O	|	|	|	|	0.14
60.583	0.00	0.05	0.100	O	|	|	|	|	0.14
60.667	0.00	0.05	0.099	O	|	|	|	|	0.14
60.750	0.00	0.05	0.099	O	|	|	|	|	0.14
60.833	0.00	0.05	0.099	O	|	|	|	|	0.14
60.917	0.00	0.05	0.098	O	|	|	|	|	0.14
61.000	0.00	0.05	0.098	O	|	|	|	|	0.14
61.083	0.00	0.05	0.098	O	|	|	|	|	0.14
61.167	0.00	0.05	0.097	O	|	|	|	|	0.14
61.250	0.00	0.05	0.097	O	|	|	|	|	0.14
61.333	0.00	0.05	0.097	O	|	|	|	|	0.14
61.417	0.00	0.05	0.096	O	|	|	|	|	0.14
61.500	0.00	0.05	0.096	O	|	|	|	|	0.14
61.583	0.00	0.05	0.096	O	|	|	|	|	0.13
61.667	0.00	0.05	0.095	O	|	|	|	|	0.13
61.750	0.00	0.05	0.095	O	|	|	|	|	0.13
61.833	0.00	0.05	0.095	O	|	|	|	|	0.13

61.917	0.00	0.05	0.094	O	|	|	|	|	0.13
62.000	0.00	0.05	0.094	O	|	|	|	|	0.13
62.083	0.00	0.05	0.094	O	|	|	|	|	0.13
62.167	0.00	0.05	0.093	O	|	|	|	|	0.13
62.250	0.00	0.05	0.093	O	|	|	|	|	0.13
62.333	0.00	0.05	0.093	O	|	|	|	|	0.13
62.417	0.00	0.05	0.092	O	|	|	|	|	0.13
62.500	0.00	0.05	0.092	O	|	|	|	|	0.13
62.583	0.00	0.05	0.092	O	|	|	|	|	0.13
62.667	0.00	0.05	0.091	O	|	|	|	|	0.13
62.750	0.00	0.05	0.091	O	|	|	|	|	0.13
62.833	0.00	0.05	0.091	O	|	|	|	|	0.13
62.917	0.00	0.05	0.090	O	|	|	|	|	0.13
63.000	0.00	0.05	0.090	O	|	|	|	|	0.13
63.083	0.00	0.05	0.090	O	|	|	|	|	0.13
63.167	0.00	0.05	0.089	O	|	|	|	|	0.13
63.250	0.00	0.05	0.089	O	|	|	|	|	0.13
63.333	0.00	0.05	0.089	O	|	|	|	|	0.13
63.417	0.00	0.04	0.088	O	|	|	|	|	0.12
63.500	0.00	0.04	0.088	O	|	|	|	|	0.12
63.583	0.00	0.04	0.088	O	|	|	|	|	0.12
63.667	0.00	0.04	0.088	O	|	|	|	|	0.12
63.750	0.00	0.04	0.087	O	|	|	|	|	0.12
63.833	0.00	0.04	0.087	O	|	|	|	|	0.12
63.917	0.00	0.04	0.087	O	|	|	|	|	0.12
64.000	0.00	0.04	0.086	O	|	|	|	|	0.12
64.083	0.00	0.04	0.086	O	|	|	|	|	0.12
64.167	0.00	0.04	0.086	O	|	|	|	|	0.12
64.250	0.00	0.04	0.085	O	|	|	|	|	0.12
64.333	0.00	0.04	0.085	O	|	|	|	|	0.12
64.417	0.00	0.04	0.085	O	|	|	|	|	0.12
64.500	0.00	0.04	0.085	O	|	|	|	|	0.12
64.583	0.00	0.04	0.084	O	|	|	|	|	0.12
64.667	0.00	0.04	0.084	O	|	|	|	|	0.12
64.750	0.00	0.04	0.084	O	|	|	|	|	0.12
64.833	0.00	0.04	0.083	O	|	|	|	|	0.12
64.917	0.00	0.04	0.083	O	|	|	|	|	0.12
65.000	0.00	0.04	0.083	O	|	|	|	|	0.12
65.083	0.00	0.04	0.082	O	|	|	|	|	0.12
65.167	0.00	0.04	0.082	O	|	|	|	|	0.12
65.250	0.00	0.04	0.082	O	|	|	|	|	0.12
65.333	0.00	0.04	0.082	O	|	|	|	|	0.11
65.417	0.00	0.04	0.081	O	|	|	|	|	0.11
65.500	0.00	0.04	0.081	O	|	|	|	|	0.11
65.583	0.00	0.04	0.081	O	|	|	|	|	0.11
65.667	0.00	0.04	0.081	O	|	|	|	|	0.11
65.750	0.00	0.04	0.080	O	|	|	|	|	0.11
65.833	0.00	0.04	0.080	O	|	|	|	|	0.11
65.917	0.00	0.04	0.080	O	|	|	|	|	0.11
66.000	0.00	0.04	0.079	O	|	|	|	|	0.11
66.083	0.00	0.04	0.079	O	|	|	|	|	0.11
66.167	0.00	0.04	0.079	O	|	|	|	|	0.11
66.250	0.00	0.04	0.079	O	|	|	|	|	0.11
66.333	0.00	0.04	0.078	O	|	|	|	|	0.11
66.417	0.00	0.04	0.078	O	|	|	|	|	0.11
66.500	0.00	0.04	0.078	O	|	|	|	|	0.11
66.583	0.00	0.04	0.077	O	|	|	|	|	0.11
66.667	0.00	0.04	0.077	O	|	|	|	|	0.11
66.750	0.00	0.04	0.077	O	|	|	|	|	0.11
66.833	0.00	0.04	0.077	O	|	|	|	|	0.11
66.917	0.00	0.04	0.076	O	|	|	|	|	0.11
67.000	0.00	0.04	0.076	O	|	|	|	|	0.11
67.083	0.00	0.04	0.076	O	|	|	|	|	0.11
67.167	0.00	0.04	0.076	O	|	|	|	|	0.11
67.250	0.00	0.04	0.075	O	|	|	|	|	0.11
67.333	0.00	0.04	0.075	O	|	|	|	|	0.11
67.417	0.00	0.04	0.075	O	|	|	|	|	0.11

67.500	0.00	0.04	0.075	O	|	|	|	|	0.11
67.583	0.00	0.04	0.074	O	|	|	|	|	0.10
67.667	0.00	0.04	0.074	O	|	|	|	|	0.10
67.750	0.00	0.04	0.074	O	|	|	|	|	0.10
67.833	0.00	0.04	0.074	O	|	|	|	|	0.10
67.917	0.00	0.04	0.073	O	|	|	|	|	0.10
68.000	0.00	0.04	0.073	O	|	|	|	|	0.10
68.083	0.00	0.04	0.073	O	|	|	|	|	0.10
68.167	0.00	0.04	0.072	O	|	|	|	|	0.10
68.250	0.00	0.04	0.072	O	|	|	|	|	0.10
68.333	0.00	0.04	0.072	O	|	|	|	|	0.10
68.417	0.00	0.04	0.072	O	|	|	|	|	0.10
68.500	0.00	0.04	0.071	O	|	|	|	|	0.10
68.583	0.00	0.04	0.071	O	|	|	|	|	0.10
68.667	0.00	0.04	0.071	O	|	|	|	|	0.10
68.750	0.00	0.04	0.071	O	|	|	|	|	0.10
68.833	0.00	0.04	0.071	O	|	|	|	|	0.10
68.917	0.00	0.04	0.070	O	|	|	|	|	0.10
69.000	0.00	0.04	0.070	O	|	|	|	|	0.10
69.083	0.00	0.04	0.070	O	|	|	|	|	0.10
69.167	0.00	0.04	0.070	O	|	|	|	|	0.10
69.250	0.00	0.04	0.069	O	|	|	|	|	0.10
69.333	0.00	0.04	0.069	O	|	|	|	|	0.10
69.417	0.00	0.03	0.069	O	|	|	|	|	0.10
69.500	0.00	0.03	0.069	O	|	|	|	|	0.10
69.583	0.00	0.03	0.068	O	|	|	|	|	0.10
69.667	0.00	0.03	0.068	O	|	|	|	|	0.10
69.750	0.00	0.03	0.068	O	|	|	|	|	0.10
69.833	0.00	0.03	0.068	O	|	|	|	|	0.10
69.917	0.00	0.03	0.067	O	|	|	|	|	0.09
70.000	0.00	0.03	0.067	O	|	|	|	|	0.09
70.083	0.00	0.03	0.067	O	|	|	|	|	0.09
70.167	0.00	0.03	0.067	O	|	|	|	|	0.09
70.250	0.00	0.03	0.066	O	|	|	|	|	0.09
70.333	0.00	0.03	0.066	O	|	|	|	|	0.09
70.417	0.00	0.03	0.066	O	|	|	|	|	0.09
70.500	0.00	0.03	0.066	O	|	|	|	|	0.09
70.583	0.00	0.03	0.066	O	|	|	|	|	0.09
70.667	0.00	0.03	0.065	O	|	|	|	|	0.09
70.750	0.00	0.03	0.065	O	|	|	|	|	0.09
70.833	0.00	0.03	0.065	O	|	|	|	|	0.09
70.917	0.00	0.03	0.065	O	|	|	|	|	0.09
71.000	0.00	0.03	0.064	O	|	|	|	|	0.09
71.083	0.00	0.03	0.064	O	|	|	|	|	0.09
71.167	0.00	0.03	0.064	O	|	|	|	|	0.09
71.250	0.00	0.03	0.064	O	|	|	|	|	0.09
71.333	0.00	0.03	0.063	O	|	|	|	|	0.09
71.417	0.00	0.03	0.063	O	|	|	|	|	0.09
71.500	0.00	0.03	0.063	O	|	|	|	|	0.09
71.583	0.00	0.03	0.063	O	|	|	|	|	0.09
71.667	0.00	0.03	0.063	O	|	|	|	|	0.09
71.750	0.00	0.03	0.062	O	|	|	|	|	0.09
71.833	0.00	0.03	0.062	O	|	|	|	|	0.09
71.917	0.00	0.03	0.062	O	|	|	|	|	0.09
72.000	0.00	0.03	0.062	O	|	|	|	|	0.09
72.083	0.00	0.03	0.062	O	|	|	|	|	0.09
72.167	0.00	0.03	0.061	O	|	|	|	|	0.09
72.250	0.00	0.03	0.061	O	|	|	|	|	0.09
72.333	0.00	0.03	0.061	O	|	|	|	|	0.09
72.417	0.00	0.03	0.061	O	|	|	|	|	0.09
72.500	0.00	0.03	0.060	O	|	|	|	|	0.09
72.583	0.00	0.03	0.060	O	|	|	|	|	0.08
72.667	0.00	0.03	0.060	O	|	|	|	|	0.08
72.750	0.00	0.03	0.060	O	|	|	|	|	0.08
72.833	0.00	0.03	0.060	O	|	|	|	|	0.08
72.917	0.00	0.03	0.059	O	|	|	|	|	0.08
73.000	0.00	0.03	0.059	O	|	|	|	|	0.08

73.083	0.00	0.03	0.059	O	|	|	|	|	0.08
73.167	0.00	0.03	0.059	O	|	|	|	|	0.08
73.250	0.00	0.03	0.059	O	|	|	|	|	0.08
73.333	0.00	0.03	0.058	O	|	|	|	|	0.08
73.417	0.00	0.03	0.058	O	|	|	|	|	0.08
73.500	0.00	0.03	0.058	O	|	|	|	|	0.08
73.583	0.00	0.03	0.058	O	|	|	|	|	0.08
73.667	0.00	0.03	0.058	O	|	|	|	|	0.08
73.750	0.00	0.03	0.057	O	|	|	|	|	0.08
73.833	0.00	0.03	0.057	O	|	|	|	|	0.08
73.917	0.00	0.03	0.057	O	|	|	|	|	0.08
74.000	0.00	0.03	0.057	O	|	|	|	|	0.08
74.083	0.00	0.03	0.057	O	|	|	|	|	0.08
74.167	0.00	0.03	0.056	O	|	|	|	|	0.08
74.250	0.00	0.03	0.056	O	|	|	|	|	0.08
74.333	0.00	0.03	0.056	O	|	|	|	|	0.08
74.417	0.00	0.03	0.056	O	|	|	|	|	0.08
74.500	0.00	0.03	0.056	O	|	|	|	|	0.08
74.583	0.00	0.03	0.055	O	|	|	|	|	0.08
74.667	0.00	0.03	0.055	O	|	|	|	|	0.08
74.750	0.00	0.03	0.055	O	|	|	|	|	0.08
74.833	0.00	0.03	0.055	O	|	|	|	|	0.08
74.917	0.00	0.03	0.055	O	|	|	|	|	0.08
75.000	0.00	0.03	0.054	O	|	|	|	|	0.08
75.083	0.00	0.03	0.054	O	|	|	|	|	0.08
75.167	0.00	0.03	0.054	O	|	|	|	|	0.08
75.250	0.00	0.03	0.054	O	|	|	|	|	0.08
75.333	0.00	0.03	0.054	O	|	|	|	|	0.08
75.417	0.00	0.03	0.054	O	|	|	|	|	0.08
75.500	0.00	0.03	0.053	O	|	|	|	|	0.08
75.583	0.00	0.03	0.053	O	|	|	|	|	0.07
75.667	0.00	0.03	0.053	O	|	|	|	|	0.07
75.750	0.00	0.03	0.053	O	|	|	|	|	0.07
75.833	0.00	0.03	0.053	O	|	|	|	|	0.07
75.917	0.00	0.03	0.052	O	|	|	|	|	0.07
76.000	0.00	0.03	0.052	O	|	|	|	|	0.07
76.083	0.00	0.03	0.052	O	|	|	|	|	0.07
76.167	0.00	0.03	0.052	O	|	|	|	|	0.07
76.250	0.00	0.03	0.052	O	|	|	|	|	0.07
76.333	0.00	0.03	0.051	O	|	|	|	|	0.07
76.417	0.00	0.03	0.051	O	|	|	|	|	0.07
76.500	0.00	0.03	0.051	O	|	|	|	|	0.07
76.583	0.00	0.03	0.051	O	|	|	|	|	0.07
76.667	0.00	0.03	0.051	O	|	|	|	|	0.07
76.750	0.00	0.03	0.051	O	|	|	|	|	0.07
76.833	0.00	0.03	0.050	O	|	|	|	|	0.07
76.917	0.00	0.03	0.050	O	|	|	|	|	0.07
77.000	0.00	0.03	0.050	O	|	|	|	|	0.07
77.083	0.00	0.03	0.050	O	|	|	|	|	0.07
77.167	0.00	0.03	0.050	O	|	|	|	|	0.07
77.250	0.00	0.03	0.050	O	|	|	|	|	0.07
77.333	0.00	0.03	0.049	O	|	|	|	|	0.07
77.417	0.00	0.02	0.049	O	|	|	|	|	0.07
77.500	0.00	0.02	0.049	O	|	|	|	|	0.07
77.583	0.00	0.02	0.049	O	|	|	|	|	0.07
77.667	0.00	0.02	0.049	O	|	|	|	|	0.07
77.750	0.00	0.02	0.049	O	|	|	|	|	0.07
77.833	0.00	0.02	0.048	O	|	|	|	|	0.07
77.917	0.00	0.02	0.048	O	|	|	|	|	0.07
78.000	0.00	0.02	0.048	O	|	|	|	|	0.07
78.083	0.00	0.02	0.048	O	|	|	|	|	0.07
78.167	0.00	0.02	0.048	O	|	|	|	|	0.07
78.250	0.00	0.02	0.048	O	|	|	|	|	0.07
78.333	0.00	0.02	0.047	O	|	|	|	|	0.07
78.417	0.00	0.02	0.047	O	|	|	|	|	0.07
78.500	0.00	0.02	0.047	O	|	|	|	|	0.07
78.583	0.00	0.02	0.047	O	|	|	|	|	0.07

78.667	0.00	0.02	0.047	O	|	|	|	|	0.07
78.750	0.00	0.02	0.047	O	|	|	|	|	0.07
78.833	0.00	0.02	0.046	O	|	|	|	|	0.07
78.917	0.00	0.02	0.046	O	|	|	|	|	0.07
79.000	0.00	0.02	0.046	O	|	|	|	|	0.06
79.083	0.00	0.02	0.046	O	|	|	|	|	0.06
79.167	0.00	0.02	0.046	O	|	|	|	|	0.06
79.250	0.00	0.02	0.046	O	|	|	|	|	0.06
79.333	0.00	0.02	0.045	O	|	|	|	|	0.06
79.417	0.00	0.02	0.045	O	|	|	|	|	0.06
79.500	0.00	0.02	0.045	O	|	|	|	|	0.06
79.583	0.00	0.02	0.045	O	|	|	|	|	0.06
79.667	0.00	0.02	0.045	O	|	|	|	|	0.06
79.750	0.00	0.02	0.045	O	|	|	|	|	0.06
79.833	0.00	0.02	0.044	O	|	|	|	|	0.06
79.917	0.00	0.02	0.044	O	|	|	|	|	0.06
80.000	0.00	0.02	0.044	O	|	|	|	|	0.06
80.083	0.00	0.02	0.044	O	|	|	|	|	0.06
80.167	0.00	0.02	0.044	O	|	|	|	|	0.06
80.250	0.00	0.02	0.044	O	|	|	|	|	0.06
80.333	0.00	0.02	0.044	O	|	|	|	|	0.06
80.417	0.00	0.02	0.043	O	|	|	|	|	0.06
80.500	0.00	0.02	0.043	O	|	|	|	|	0.06
80.583	0.00	0.02	0.043	O	|	|	|	|	0.06
80.667	0.00	0.02	0.043	O	|	|	|	|	0.06
80.750	0.00	0.02	0.043	O	|	|	|	|	0.06
80.833	0.00	0.02	0.043	O	|	|	|	|	0.06
80.917	0.00	0.02	0.042	O	|	|	|	|	0.06
81.000	0.00	0.02	0.042	O	|	|	|	|	0.06
81.083	0.00	0.02	0.042	O	|	|	|	|	0.06
81.167	0.00	0.02	0.042	O	|	|	|	|	0.06
81.250	0.00	0.02	0.042	O	|	|	|	|	0.06
81.333	0.00	0.02	0.042	O	|	|	|	|	0.06
81.417	0.00	0.02	0.042	O	|	|	|	|	0.06
81.500	0.00	0.02	0.041	O	|	|	|	|	0.06
81.583	0.00	0.02	0.041	O	|	|	|	|	0.06
81.667	0.00	0.02	0.041	O	|	|	|	|	0.06
81.750	0.00	0.02	0.041	O	|	|	|	|	0.06
81.833	0.00	0.02	0.041	O	|	|	|	|	0.06
81.917	0.00	0.02	0.041	O	|	|	|	|	0.06
82.000	0.00	0.02	0.041	O	|	|	|	|	0.06
82.083	0.00	0.02	0.040	O	|	|	|	|	0.06
82.167	0.00	0.02	0.040	O	|	|	|	|	0.06
82.250	0.00	0.02	0.040	O	|	|	|	|	0.06
82.333	0.00	0.02	0.040	O	|	|	|	|	0.06
82.417	0.00	0.02	0.040	O	|	|	|	|	0.06
82.500	0.00	0.02	0.040	O	|	|	|	|	0.06
82.583	0.00	0.02	0.040	O	|	|	|	|	0.06
82.667	0.00	0.02	0.039	O	|	|	|	|	0.06
82.750	0.00	0.02	0.039	O	|	|	|	|	0.06
82.833	0.00	0.02	0.039	O	|	|	|	|	0.06
82.917	0.00	0.02	0.039	O	|	|	|	|	0.06
83.000	0.00	0.02	0.039	O	|	|	|	|	0.05
83.083	0.00	0.02	0.039	O	|	|	|	|	0.05
83.167	0.00	0.02	0.039	O	|	|	|	|	0.05
83.250	0.00	0.02	0.039	O	|	|	|	|	0.05
83.333	0.00	0.02	0.038	O	|	|	|	|	0.05
83.417	0.00	0.02	0.038	O	|	|	|	|	0.05
83.500	0.00	0.02	0.038	O	|	|	|	|	0.05
83.583	0.00	0.02	0.038	O	|	|	|	|	0.05
83.667	0.00	0.02	0.038	O	|	|	|	|	0.05
83.750	0.00	0.02	0.038	O	|	|	|	|	0.05
83.833	0.00	0.02	0.038	O	|	|	|	|	0.05
83.917	0.00	0.02	0.037	O	|	|	|	|	0.05
84.000	0.00	0.02	0.037	O	|	|	|	|	0.05
84.083	0.00	0.02	0.037	O	|	|	|	|	0.05
84.167	0.00	0.02	0.037	O	|	|	|	|	0.05

84.250	0.00	0.02	0.037	O	|	|	|	|	0.05
84.333	0.00	0.02	0.037	O	|	|	|	|	0.05
84.417	0.00	0.02	0.037	O	|	|	|	|	0.05
84.500	0.00	0.02	0.037	O	|	|	|	|	0.05
84.583	0.00	0.02	0.036	O	|	|	|	|	0.05
84.667	0.00	0.02	0.036	O	|	|	|	|	0.05
84.750	0.00	0.02	0.036	O	|	|	|	|	0.05
84.833	0.00	0.02	0.036	O	|	|	|	|	0.05
84.917	0.00	0.02	0.036	O	|	|	|	|	0.05
85.000	0.00	0.02	0.036	O	|	|	|	|	0.05
85.083	0.00	0.02	0.036	O	|	|	|	|	0.05
85.167	0.00	0.02	0.036	O	|	|	|	|	0.05
85.250	0.00	0.02	0.035	O	|	|	|	|	0.05
85.333	0.00	0.02	0.035	O	|	|	|	|	0.05
85.417	0.00	0.02	0.035	O	|	|	|	|	0.05
85.500	0.00	0.02	0.035	O	|	|	|	|	0.05
85.583	0.00	0.02	0.035	O	|	|	|	|	0.05
85.667	0.00	0.02	0.035	O	|	|	|	|	0.05
85.750	0.00	0.02	0.035	O	|	|	|	|	0.05
85.833	0.00	0.02	0.035	O	|	|	|	|	0.05
85.917	0.00	0.02	0.034	O	|	|	|	|	0.05
86.000	0.00	0.02	0.034	O	|	|	|	|	0.05
86.083	0.00	0.02	0.034	O	|	|	|	|	0.05
86.167	0.00	0.02	0.034	O	|	|	|	|	0.05
86.250	0.00	0.02	0.034	O	|	|	|	|	0.05
86.333	0.00	0.02	0.034	O	|	|	|	|	0.05
86.417	0.00	0.02	0.034	O	|	|	|	|	0.05
86.500	0.00	0.02	0.034	O	|	|	|	|	0.05
86.583	0.00	0.02	0.034	O	|	|	|	|	0.05
86.667	0.00	0.02	0.033	O	|	|	|	|	0.05
86.750	0.00	0.02	0.033	O	|	|	|	|	0.05
86.833	0.00	0.02	0.033	O	|	|	|	|	0.05
86.917	0.00	0.02	0.033	O	|	|	|	|	0.05
87.000	0.00	0.02	0.033	O	|	|	|	|	0.05
87.083	0.00	0.02	0.033	O	|	|	|	|	0.05
87.167	0.00	0.02	0.033	O	|	|	|	|	0.05
87.250	0.00	0.02	0.033	O	|	|	|	|	0.05
87.333	0.00	0.02	0.032	O	|	|	|	|	0.05
87.417	0.00	0.02	0.032	O	|	|	|	|	0.05
87.500	0.00	0.02	0.032	O	|	|	|	|	0.05
87.583	0.00	0.02	0.032	O	|	|	|	|	0.05
87.667	0.00	0.02	0.032	O	|	|	|	|	0.05
87.750	0.00	0.02	0.032	O	|	|	|	|	0.04
87.833	0.00	0.02	0.032	O	|	|	|	|	0.04
87.917	0.00	0.02	0.032	O	|	|	|	|	0.04
88.000	0.00	0.02	0.032	O	|	|	|	|	0.04
88.083	0.00	0.02	0.031	O	|	|	|	|	0.04
88.167	0.00	0.02	0.031	O	|	|	|	|	0.04
88.250	0.00	0.02	0.031	O	|	|	|	|	0.04
88.333	0.00	0.02	0.031	O	|	|	|	|	0.04
88.417	0.00	0.02	0.031	O	|	|	|	|	0.04
88.500	0.00	0.02	0.031	O	|	|	|	|	0.04
88.583	0.00	0.02	0.031	O	|	|	|	|	0.04
88.667	0.00	0.02	0.031	O	|	|	|	|	0.04
88.750	0.00	0.02	0.031	O	|	|	|	|	0.04
88.833	0.00	0.02	0.030	O	|	|	|	|	0.04
88.917	0.00	0.02	0.030	O	|	|	|	|	0.04
89.000	0.00	0.02	0.030	O	|	|	|	|	0.04
89.083	0.00	0.02	0.030	O	|	|	|	|	0.04
89.167	0.00	0.02	0.030	O	|	|	|	|	0.04
89.250	0.00	0.02	0.030	O	|	|	|	|	0.04
89.333	0.00	0.02	0.030	O	|	|	|	|	0.04
89.417	0.00	0.02	0.030	O	|	|	|	|	0.04
89.500	0.00	0.02	0.030	O	|	|	|	|	0.04
89.583	0.00	0.01	0.030	O	|	|	|	|	0.04
89.667	0.00	0.01	0.029	O	|	|	|	|	0.04
89.750	0.00	0.01	0.029	O	|	|	|	|	0.04

89.833	0.00	0.01	0.029	O	|	|	|	|	0.04
89.917	0.00	0.01	0.029	O	|	|	|	|	0.04
90.000	0.00	0.01	0.029	O	|	|	|	|	0.04
90.083	0.00	0.01	0.029	O	|	|	|	|	0.04
90.167	0.00	0.01	0.029	O	|	|	|	|	0.04
90.250	0.00	0.01	0.029	O	|	|	|	|	0.04
90.333	0.00	0.01	0.029	O	|	|	|	|	0.04
90.417	0.00	0.01	0.029	O	|	|	|	|	0.04
90.500	0.00	0.01	0.028	O	|	|	|	|	0.04
90.583	0.00	0.01	0.028	O	|	|	|	|	0.04
90.667	0.00	0.01	0.028	O	|	|	|	|	0.04
90.750	0.00	0.01	0.028	O	|	|	|	|	0.04
90.833	0.00	0.01	0.028	O	|	|	|	|	0.04
90.917	0.00	0.01	0.028	O	|	|	|	|	0.04
91.000	0.00	0.01	0.028	O	|	|	|	|	0.04
91.083	0.00	0.01	0.028	O	|	|	|	|	0.04
91.167	0.00	0.01	0.028	O	|	|	|	|	0.04
91.250	0.00	0.01	0.028	O	|	|	|	|	0.04
91.333	0.00	0.01	0.027	O	|	|	|	|	0.04
91.417	0.00	0.01	0.027	O	|	|	|	|	0.04
91.500	0.00	0.01	0.027	O	|	|	|	|	0.04
91.583	0.00	0.01	0.027	O	|	|	|	|	0.04
91.667	0.00	0.01	0.027	O	|	|	|	|	0.04
91.750	0.00	0.01	0.027	O	|	|	|	|	0.04
91.833	0.00	0.01	0.027	O	|	|	|	|	0.04
91.917	0.00	0.01	0.027	O	|	|	|	|	0.04
92.000	0.00	0.01	0.027	O	|	|	|	|	0.04
92.083	0.00	0.01	0.027	O	|	|	|	|	0.04
92.167	0.00	0.01	0.027	O	|	|	|	|	0.04
92.250	0.00	0.01	0.026	O	|	|	|	|	0.04
92.333	0.00	0.01	0.026	O	|	|	|	|	0.04
92.417	0.00	0.01	0.026	O	|	|	|	|	0.04
92.500	0.00	0.01	0.026	O	|	|	|	|	0.04
92.583	0.00	0.01	0.026	O	|	|	|	|	0.04
92.667	0.00	0.01	0.026	O	|	|	|	|	0.04
92.750	0.00	0.01	0.026	O	|	|	|	|	0.04
92.833	0.00	0.01	0.026	O	|	|	|	|	0.04
92.917	0.00	0.01	0.026	O	|	|	|	|	0.04
93.000	0.00	0.01	0.026	O	|	|	|	|	0.04
93.083	0.00	0.01	0.026	O	|	|	|	|	0.04
93.167	0.00	0.01	0.025	O	|	|	|	|	0.04
93.250	0.00	0.01	0.025	O	|	|	|	|	0.04
93.333	0.00	0.01	0.025	O	|	|	|	|	0.04
93.417	0.00	0.01	0.025	O	|	|	|	|	0.04
93.500	0.00	0.01	0.025	O	|	|	|	|	0.04
93.583	0.00	0.01	0.025	O	|	|	|	|	0.04
93.667	0.00	0.01	0.025	O	|	|	|	|	0.04
93.750	0.00	0.01	0.025	O	|	|	|	|	0.03
93.833	0.00	0.01	0.025	O	|	|	|	|	0.03
93.917	0.00	0.01	0.025	O	|	|	|	|	0.03
94.000	0.00	0.01	0.025	O	|	|	|	|	0.03
94.083	0.00	0.01	0.024	O	|	|	|	|	0.03
94.167	0.00	0.01	0.024	O	|	|	|	|	0.03
94.250	0.00	0.01	0.024	O	|	|	|	|	0.03
94.333	0.00	0.01	0.024	O	|	|	|	|	0.03
94.417	0.00	0.01	0.024	O	|	|	|	|	0.03
94.500	0.00	0.01	0.024	O	|	|	|	|	0.03
94.583	0.00	0.01	0.024	O	|	|	|	|	0.03
94.667	0.00	0.01	0.024	O	|	|	|	|	0.03
94.750	0.00	0.01	0.024	O	|	|	|	|	0.03
94.833	0.00	0.01	0.024	O	|	|	|	|	0.03
94.917	0.00	0.01	0.024	O	|	|	|	|	0.03
95.000	0.00	0.01	0.024	O	|	|	|	|	0.03
95.083	0.00	0.01	0.023	O	|	|	|	|	0.03
95.167	0.00	0.01	0.023	O	|	|	|	|	0.03
95.250	0.00	0.01	0.023	O	|	|	|	|	0.03
95.333	0.00	0.01	0.023	O	|	|	|	|	0.03

95.417	0.00	0.01	0.023	O	|	|	|	|	0.03
95.500	0.00	0.01	0.023	O	|	|	|	|	0.03
95.583	0.00	0.01	0.023	O	|	|	|	|	0.03
95.667	0.00	0.01	0.023	O	|	|	|	|	0.03
95.750	0.00	0.01	0.023	O	|	|	|	|	0.03
95.833	0.00	0.01	0.023	O	|	|	|	|	0.03
95.917	0.00	0.01	0.023	O	|	|	|	|	0.03
96.000	0.00	0.01	0.023	O	|	|	|	|	0.03
96.083	0.00	0.01	0.023	O	|	|	|	|	0.03
96.167	0.00	0.01	0.022	O	|	|	|	|	0.03
96.250	0.00	0.01	0.022	O	|	|	|	|	0.03
96.333	0.00	0.01	0.022	O	|	|	|	|	0.03
96.417	0.00	0.01	0.022	O	|	|	|	|	0.03
96.500	0.00	0.01	0.022	O	|	|	|	|	0.03
96.583	0.00	0.01	0.022	O	|	|	|	|	0.03
96.667	0.00	0.01	0.022	O	|	|	|	|	0.03
96.750	0.00	0.01	0.022	O	|	|	|	|	0.03
96.833	0.00	0.01	0.022	O	|	|	|	|	0.03
96.917	0.00	0.01	0.022	O	|	|	|	|	0.03
97.000	0.00	0.01	0.022	O	|	|	|	|	0.03
97.083	0.00	0.01	0.022	O	|	|	|	|	0.03
97.167	0.00	0.01	0.022	O	|	|	|	|	0.03
97.250	0.00	0.01	0.021	O	|	|	|	|	0.03
97.333	0.00	0.01	0.021	O	|	|	|	|	0.03
97.417	0.00	0.01	0.021	O	|	|	|	|	0.03
97.500	0.00	0.01	0.021	O	|	|	|	|	0.03
97.583	0.00	0.01	0.021	O	|	|	|	|	0.03
97.667	0.00	0.01	0.021	O	|	|	|	|	0.03
97.750	0.00	0.01	0.021	O	|	|	|	|	0.03
97.833	0.00	0.01	0.021	O	|	|	|	|	0.03
97.917	0.00	0.01	0.021	O	|	|	|	|	0.03
98.000	0.00	0.01	0.021	O	|	|	|	|	0.03
98.083	0.00	0.01	0.021	O	|	|	|	|	0.03
98.167	0.00	0.01	0.021	O	|	|	|	|	0.03
98.250	0.00	0.01	0.021	O	|	|	|	|	0.03
98.333	0.00	0.01	0.020	O	|	|	|	|	0.03
98.417	0.00	0.01	0.020	O	|	|	|	|	0.03
98.500	0.00	0.01	0.020	O	|	|	|	|	0.03
98.583	0.00	0.01	0.020	O	|	|	|	|	0.03
98.667	0.00	0.01	0.020	O	|	|	|	|	0.03
98.750	0.00	0.01	0.020	O	|	|	|	|	0.03
98.833	0.00	0.01	0.020	O	|	|	|	|	0.03
98.917	0.00	0.01	0.020	O	|	|	|	|	0.03
99.000	0.00	0.01	0.020	O	|	|	|	|	0.03
99.083	0.00	0.01	0.020	O	|	|	|	|	0.03
99.167	0.00	0.01	0.020	O	|	|	|	|	0.03
99.250	0.00	0.01	0.020	O	|	|	|	|	0.03
99.333	0.00	0.01	0.020	O	|	|	|	|	0.03
99.417	0.00	0.01	0.020	O	|	|	|	|	0.03
99.500	0.00	0.01	0.020	O	|	|	|	|	0.03
99.583	0.00	0.01	0.019	O	|	|	|	|	0.03
99.667	0.00	0.01	0.019	O	|	|	|	|	0.03
99.750	0.00	0.01	0.019	O	|	|	|	|	0.03
99.833	0.00	0.01	0.019	O	|	|	|	|	0.03
99.917	0.00	0.01	0.019	O	|	|	|	|	0.03
100.000	0.00	0.01	0.019	O	|	|	|	|	0.03
100.083	0.00	0.01	0.019	O	|	|	|	|	0.03
100.167	0.00	0.01	0.019	O	|	|	|	|	0.03
100.250	0.00	0.01	0.019	O	|	|	|	|	0.03
100.333	0.00	0.01	0.019	O	|	|	|	|	0.03
100.417	0.00	0.01	0.019	O	|	|	|	|	0.03
100.500	0.00	0.01	0.019	O	|	|	|	|	0.03
100.583	0.00	0.01	0.019	O	|	|	|	|	0.03
100.667	0.00	0.01	0.019	O	|	|	|	|	0.03
100.750	0.00	0.01	0.019	O	|	|	|	|	0.03
100.833	0.00	0.01	0.018	O	|	|	|	|	0.03
100.917	0.00	0.01	0.018	O	|	|	|	|	0.03

101.000	0.00	0.01	0.018	O	|	|	|	|	0.03
101.083	0.00	0.01	0.018	O	|	|	|	|	0.03
101.167	0.00	0.01	0.018	O	|	|	|	|	0.03
101.250	0.00	0.01	0.018	O	|	|	|	|	0.03
101.333	0.00	0.01	0.018	O	|	|	|	|	0.03
101.417	0.00	0.01	0.018	O	|	|	|	|	0.03
101.500	0.00	0.01	0.018	O	|	|	|	|	0.03
101.583	0.00	0.01	0.018	O	|	|	|	|	0.03
101.667	0.00	0.01	0.018	O	|	|	|	|	0.03
101.750	0.00	0.01	0.018	O	|	|	|	|	0.02
101.833	0.00	0.01	0.018	O	|	|	|	|	0.02
101.917	0.00	0.01	0.018	O	|	|	|	|	0.02
102.000	0.00	0.01	0.018	O	|	|	|	|	0.02
102.083	0.00	0.01	0.018	O	|	|	|	|	0.02
102.167	0.00	0.01	0.017	O	|	|	|	|	0.02
102.250	0.00	0.01	0.017	O	|	|	|	|	0.02
102.333	0.00	0.01	0.017	O	|	|	|	|	0.02
102.417	0.00	0.01	0.017	O	|	|	|	|	0.02
102.500	0.00	0.01	0.017	O	|	|	|	|	0.02
102.583	0.00	0.01	0.017	O	|	|	|	|	0.02
102.667	0.00	0.01	0.017	O	|	|	|	|	0.02
102.750	0.00	0.01	0.017	O	|	|	|	|	0.02
102.833	0.00	0.01	0.017	O	|	|	|	|	0.02
102.917	0.00	0.01	0.017	O	|	|	|	|	0.02
103.000	0.00	0.01	0.017	O	|	|	|	|	0.02
103.083	0.00	0.01	0.017	O	|	|	|	|	0.02
103.167	0.00	0.01	0.017	O	|	|	|	|	0.02
103.250	0.00	0.01	0.017	O	|	|	|	|	0.02
103.333	0.00	0.01	0.017	O	|	|	|	|	0.02
103.417	0.00	0.01	0.017	O	|	|	|	|	0.02
103.500	0.00	0.01	0.016	O	|	|	|	|	0.02
103.583	0.00	0.01	0.016	O	|	|	|	|	0.02
103.667	0.00	0.01	0.016	O	|	|	|	|	0.02
103.750	0.00	0.01	0.016	O	|	|	|	|	0.02
103.833	0.00	0.01	0.016	O	|	|	|	|	0.02
103.917	0.00	0.01	0.016	O	|	|	|	|	0.02
104.000	0.00	0.01	0.016	O	|	|	|	|	0.02
104.083	0.00	0.01	0.016	O	|	|	|	|	0.02
104.167	0.00	0.01	0.016	O	|	|	|	|	0.02
104.250	0.00	0.01	0.016	O	|	|	|	|	0.02
104.333	0.00	0.01	0.016	O	|	|	|	|	0.02
104.417	0.00	0.01	0.016	O	|	|	|	|	0.02
104.500	0.00	0.01	0.016	O	|	|	|	|	0.02
104.583	0.00	0.01	0.016	O	|	|	|	|	0.02
104.667	0.00	0.01	0.016	O	|	|	|	|	0.02
104.750	0.00	0.01	0.016	O	|	|	|	|	0.02
104.833	0.00	0.01	0.016	O	|	|	|	|	0.02
104.917	0.00	0.01	0.016	O	|	|	|	|	0.02
105.000	0.00	0.01	0.015	O	|	|	|	|	0.02
105.083	0.00	0.01	0.015	O	|	|	|	|	0.02
105.167	0.00	0.01	0.015	O	|	|	|	|	0.02
105.250	0.00	0.01	0.015	O	|	|	|	|	0.02
105.333	0.00	0.01	0.015	O	|	|	|	|	0.02
105.417	0.00	0.01	0.015	O	|	|	|	|	0.02
105.500	0.00	0.01	0.015	O	|	|	|	|	0.02
105.583	0.00	0.01	0.015	O	|	|	|	|	0.02
105.667	0.00	0.01	0.015	O	|	|	|	|	0.02
105.750	0.00	0.01	0.015	O	|	|	|	|	0.02
105.833	0.00	0.01	0.015	O	|	|	|	|	0.02
105.917	0.00	0.01	0.015	O	|	|	|	|	0.02
106.000	0.00	0.01	0.015	O	|	|	|	|	0.02
106.083	0.00	0.01	0.015	O	|	|	|	|	0.02
106.167	0.00	0.01	0.015	O	|	|	|	|	0.02
106.250	0.00	0.01	0.015	O	|	|	|	|	0.02
106.333	0.00	0.01	0.015	O	|	|	|	|	0.02
106.417	0.00	0.01	0.015	O	|	|	|	|	0.02
106.500	0.00	0.01	0.015	O	|	|	|	|	0.02

106.583	0.00	0.01	0.014	O	|	|	|	|	0.02
106.667	0.00	0.01	0.014	O	|	|	|	|	0.02
106.750	0.00	0.01	0.014	O	|	|	|	|	0.02
106.833	0.00	0.01	0.014	O	|	|	|	|	0.02
106.917	0.00	0.01	0.014	O	|	|	|	|	0.02
107.000	0.00	0.01	0.014	O	|	|	|	|	0.02
107.083	0.00	0.01	0.014	O	|	|	|	|	0.02
107.167	0.00	0.01	0.014	O	|	|	|	|	0.02
107.250	0.00	0.01	0.014	O	|	|	|	|	0.02
107.333	0.00	0.01	0.014	O	|	|	|	|	0.02
107.417	0.00	0.01	0.014	O	|	|	|	|	0.02
107.500	0.00	0.01	0.014	O	|	|	|	|	0.02
107.583	0.00	0.01	0.014	O	|	|	|	|	0.02
107.667	0.00	0.01	0.014	O	|	|	|	|	0.02
107.750	0.00	0.01	0.014	O	|	|	|	|	0.02
107.833	0.00	0.01	0.014	O	|	|	|	|	0.02
107.917	0.00	0.01	0.014	O	|	|	|	|	0.02
108.000	0.00	0.01	0.014	O	|	|	|	|	0.02
108.083	0.00	0.01	0.014	O	|	|	|	|	0.02
108.167	0.00	0.01	0.014	O	|	|	|	|	0.02
108.250	0.00	0.01	0.014	O	|	|	|	|	0.02
108.333	0.00	0.01	0.013	O	|	|	|	|	0.02
108.417	0.00	0.01	0.013	O	|	|	|	|	0.02
108.500	0.00	0.01	0.013	O	|	|	|	|	0.02
108.583	0.00	0.01	0.013	O	|	|	|	|	0.02
108.667	0.00	0.01	0.013	O	|	|	|	|	0.02
108.750	0.00	0.01	0.013	O	|	|	|	|	0.02
108.833	0.00	0.01	0.013	O	|	|	|	|	0.02
108.917	0.00	0.01	0.013	O	|	|	|	|	0.02
109.000	0.00	0.01	0.013	O	|	|	|	|	0.02
109.083	0.00	0.01	0.013	O	|	|	|	|	0.02
109.167	0.00	0.01	0.013	O	|	|	|	|	0.02
109.250	0.00	0.01	0.013	O	|	|	|	|	0.02
109.333	0.00	0.01	0.013	O	|	|	|	|	0.02
109.417	0.00	0.01	0.013	O	|	|	|	|	0.02
109.500	0.00	0.01	0.013	O	|	|	|	|	0.02
109.583	0.00	0.01	0.013	O	|	|	|	|	0.02
109.667	0.00	0.01	0.013	O	|	|	|	|	0.02
109.750	0.00	0.01	0.013	O	|	|	|	|	0.02
109.833	0.00	0.01	0.013	O	|	|	|	|	0.02
109.917	0.00	0.01	0.013	O	|	|	|	|	0.02
110.000	0.00	0.01	0.013	O	|	|	|	|	0.02
110.083	0.00	0.01	0.013	O	|	|	|	|	0.02
110.167	0.00	0.01	0.012	O	|	|	|	|	0.02
110.250	0.00	0.01	0.012	O	|	|	|	|	0.02
110.333	0.00	0.01	0.012	O	|	|	|	|	0.02
110.417	0.00	0.01	0.012	O	|	|	|	|	0.02
110.500	0.00	0.01	0.012	O	|	|	|	|	0.02
110.583	0.00	0.01	0.012	O	|	|	|	|	0.02
110.667	0.00	0.01	0.012	O	|	|	|	|	0.02
110.750	0.00	0.01	0.012	O	|	|	|	|	0.02
110.833	0.00	0.01	0.012	O	|	|	|	|	0.02
110.917	0.00	0.01	0.012	O	|	|	|	|	0.02
111.000	0.00	0.01	0.012	O	|	|	|	|	0.02
111.083	0.00	0.01	0.012	O	|	|	|	|	0.02
111.167	0.00	0.01	0.012	O	|	|	|	|	0.02
111.250	0.00	0.01	0.012	O	|	|	|	|	0.02
111.333	0.00	0.01	0.012	O	|	|	|	|	0.02
111.417	0.00	0.01	0.012	O	|	|	|	|	0.02
111.500	0.00	0.01	0.012	O	|	|	|	|	0.02
111.583	0.00	0.01	0.012	O	|	|	|	|	0.02
111.667	0.00	0.01	0.012	O	|	|	|	|	0.02
111.750	0.00	0.01	0.012	O	|	|	|	|	0.02
111.833	0.00	0.01	0.012	O	|	|	|	|	0.02
111.917	0.00	0.01	0.012	O	|	|	|	|	0.02
112.000	0.00	0.01	0.012	O	|	|	|	|	0.02
112.083	0.00	0.01	0.012	O	|	|	|	|	0.02

112.167	0.00	0.01	0.011	O	|	|	|	|	0.02
112.250	0.00	0.01	0.011	O	|	|	|	|	0.02
112.333	0.00	0.01	0.011	O	|	|	|	|	0.02
112.417	0.00	0.01	0.011	O	|	|	|	|	0.02
112.500	0.00	0.01	0.011	O	|	|	|	|	0.02
112.583	0.00	0.01	0.011	O	|	|	|	|	0.02
112.667	0.00	0.01	0.011	O	|	|	|	|	0.02
112.750	0.00	0.01	0.011	O	|	|	|	|	0.02
112.833	0.00	0.01	0.011	O	|	|	|	|	0.02
112.917	0.00	0.01	0.011	O	|	|	|	|	0.02
113.000	0.00	0.01	0.011	O	|	|	|	|	0.02
113.083	0.00	0.01	0.011	O	|	|	|	|	0.02
113.167	0.00	0.01	0.011	O	|	|	|	|	0.02
113.250	0.00	0.01	0.011	O	|	|	|	|	0.02
113.333	0.00	0.01	0.011	O	|	|	|	|	0.02
113.417	0.00	0.01	0.011	O	|	|	|	|	0.02
113.500	0.00	0.01	0.011	O	|	|	|	|	0.02
113.583	0.00	0.01	0.011	O	|	|	|	|	0.02
113.667	0.00	0.01	0.011	O	|	|	|	|	0.02
113.750	0.00	0.01	0.011	O	|	|	|	|	0.02
113.833	0.00	0.01	0.011	O	|	|	|	|	0.02
113.917	0.00	0.01	0.011	O	|	|	|	|	0.02
114.000	0.00	0.01	0.011	O	|	|	|	|	0.01
114.083	0.00	0.01	0.011	O	|	|	|	|	0.01
114.167	0.00	0.01	0.011	O	|	|	|	|	0.01
114.250	0.00	0.01	0.011	O	|	|	|	|	0.01
114.333	0.00	0.01	0.010	O	|	|	|	|	0.01
114.417	0.00	0.01	0.010	O	|	|	|	|	0.01
114.500	0.00	0.01	0.010	O	|	|	|	|	0.01
114.583	0.00	0.01	0.010	O	|	|	|	|	0.01
114.667	0.00	0.01	0.010	O	|	|	|	|	0.01
114.750	0.00	0.01	0.010	O	|	|	|	|	0.01
114.833	0.00	0.01	0.010	O	|	|	|	|	0.01
114.917	0.00	0.01	0.010	O	|	|	|	|	0.01
115.000	0.00	0.01	0.010	O	|	|	|	|	0.01
115.083	0.00	0.01	0.010	O	|	|	|	|	0.01
115.167	0.00	0.01	0.010	O	|	|	|	|	0.01
115.250	0.00	0.01	0.010	O	|	|	|	|	0.01
115.333	0.00	0.01	0.010	O	|	|	|	|	0.01
115.417	0.00	0.01	0.010	O	|	|	|	|	0.01
115.500	0.00	0.01	0.010	O	|	|	|	|	0.01
115.583	0.00	0.01	0.010	O	|	|	|	|	0.01
115.667	0.00	0.01	0.010	O	|	|	|	|	0.01
115.750	0.00	0.01	0.010	O	|	|	|	|	0.01
115.833	0.00	0.00	0.010	O	|	|	|	|	0.01
115.917	0.00	0.00	0.010	O	|	|	|	|	0.01
116.000	0.00	0.00	0.010	O	|	|	|	|	0.01
116.083	0.00	0.00	0.010	O	|	|	|	|	0.01
116.167	0.00	0.00	0.010	O	|	|	|	|	0.01
116.250	0.00	0.00	0.010	O	|	|	|	|	0.01
116.333	0.00	0.00	0.010	O	|	|	|	|	0.01
116.417	0.00	0.00	0.010	O	|	|	|	|	0.01
116.500	0.00	0.00	0.010	O	|	|	|	|	0.01
116.583	0.00	0.00	0.010	O	|	|	|	|	0.01
116.667	0.00	0.00	0.009	O	|	|	|	|	0.01
116.750	0.00	0.00	0.009	O	|	|	|	|	0.01
116.833	0.00	0.00	0.009	O	|	|	|	|	0.01
116.917	0.00	0.00	0.009	O	|	|	|	|	0.01
117.000	0.00	0.00	0.009	O	|	|	|	|	0.01
117.083	0.00	0.00	0.009	O	|	|	|	|	0.01
117.167	0.00	0.00	0.009	O	|	|	|	|	0.01
117.250	0.00	0.00	0.009	O	|	|	|	|	0.01
117.333	0.00	0.00	0.009	O	|	|	|	|	0.01
117.417	0.00	0.00	0.009	O	|	|	|	|	0.01
117.500	0.00	0.00	0.009	O	|	|	|	|	0.01
117.583	0.00	0.00	0.009	O	|	|	|	|	0.01
117.667	0.00	0.00	0.009	O	|	|	|	|	0.01

117.750	0.00	0.00	0.009	O	|	|	|	0.01
117.833	0.00	0.00	0.009	O	|	|	|	0.01
117.917	0.00	0.00	0.009	O	|	|	|	0.01
118.000	0.00	0.00	0.009	O	|	|	|	0.01
118.083	0.00	0.00	0.009	O	|	|	|	0.01
118.167	0.00	0.00	0.009	O	|	|	|	0.01
118.250	0.00	0.00	0.009	O	|	|	|	0.01
118.333	0.00	0.00	0.009	O	|	|	|	0.01
118.417	0.00	0.00	0.009	O	|	|	|	0.01
118.500	0.00	0.00	0.009	O	|	|	|	0.01
118.583	0.00	0.00	0.009	O	|	|	|	0.01
118.667	0.00	0.00	0.009	O	|	|	|	0.01
118.750	0.00	0.00	0.009	O	|	|	|	0.01
118.833	0.00	0.00	0.009	O	|	|	|	0.01
118.917	0.00	0.00	0.009	O	|	|	|	0.01
119.000	0.00	0.00	0.009	O	|	|	|	0.01
119.083	0.00	0.00	0.009	O	|	|	|	0.01
119.167	0.00	0.00	0.009	O	|	|	|	0.01
119.250	0.00	0.00	0.009	O	|	|	|	0.01
119.333	0.00	0.00	0.008	O	|	|	|	0.01
119.417	0.00	0.00	0.008	O	|	|	|	0.01
119.500	0.00	0.00	0.008	O	|	|	|	0.01
119.583	0.00	0.00	0.008	O	|	|	|	0.01
119.667	0.00	0.00	0.008	O	|	|	|	0.01
119.750	0.00	0.00	0.008	O	|	|	|	0.01
119.833	0.00	0.00	0.008	O	|	|	|	0.01
119.917	0.00	0.00	0.008	O	|	|	|	0.01
120.000	0.00	0.00	0.008	O	|	|	|	0.01
120.083	0.00	0.00	0.008	O	|	|	|	0.01
120.167	0.00	0.00	0.008	O	|	|	|	0.01
120.250	0.00	0.00	0.008	O	|	|	|	0.01
120.333	0.00	0.00	0.008	O	|	|	|	0.01
120.417	0.00	0.00	0.008	O	|	|	|	0.01
120.500	0.00	0.00	0.008	O	|	|	|	0.01
120.583	0.00	0.00	0.008	O	|	|	|	0.01
120.667	0.00	0.00	0.008	O	|	|	|	0.01
120.750	0.00	0.00	0.008	O	|	|	|	0.01
120.833	0.00	0.00	0.008	O	|	|	|	0.01
120.917	0.00	0.00	0.008	O	|	|	|	0.01
121.000	0.00	0.00	0.008	O	|	|	|	0.01
121.083	0.00	0.00	0.008	O	|	|	|	0.01
121.167	0.00	0.00	0.008	O	|	|	|	0.01
121.250	0.00	0.00	0.008	O	|	|	|	0.01
121.333	0.00	0.00	0.008	O	|	|	|	0.01
121.417	0.00	0.00	0.008	O	|	|	|	0.01
121.500	0.00	0.00	0.008	O	|	|	|	0.01
121.583	0.00	0.00	0.008	O	|	|	|	0.01
121.667	0.00	0.00	0.008	O	|	|	|	0.01
121.750	0.00	0.00	0.008	O	|	|	|	0.01
121.833	0.00	0.00	0.008	O	|	|	|	0.01
121.917	0.00	0.00	0.008	O	|	|	|	0.01
122.000	0.00	0.00	0.008	O	|	|	|	0.01
122.083	0.00	0.00	0.008	O	|	|	|	0.01
122.167	0.00	0.00	0.008	O	|	|	|	0.01
122.250	0.00	0.00	0.008	O	|	|	|	0.01
122.333	0.00	0.00	0.007	O	|	|	|	0.01
122.417	0.00	0.00	0.007	O	|	|	|	0.01
122.500	0.00	0.00	0.007	O	|	|	|	0.01
122.583	0.00	0.00	0.007	O	|	|	|	0.01
122.667	0.00	0.00	0.007	O	|	|	|	0.01
122.750	0.00	0.00	0.007	O	|	|	|	0.01
122.833	0.00	0.00	0.007	O	|	|	|	0.01
122.917	0.00	0.00	0.007	O	|	|	|	0.01
123.000	0.00	0.00	0.007	O	|	|	|	0.01
123.083	0.00	0.00	0.007	O	|	|	|	0.01
123.167	0.00	0.00	0.007	O	|	|	|	0.01
123.250	0.00	0.00	0.007	O	|	|	|	0.01

123.333	0.00	0.00	0.007	O	|	|	|	|	0.01
123.417	0.00	0.00	0.007	O	|	|	|	|	0.01
123.500	0.00	0.00	0.007	O	|	|	|	|	0.01
123.583	0.00	0.00	0.007	O	|	|	|	|	0.01
123.667	0.00	0.00	0.007	O	|	|	|	|	0.01
123.750	0.00	0.00	0.007	O	|	|	|	|	0.01
123.833	0.00	0.00	0.007	O	|	|	|	|	0.01
123.917	0.00	0.00	0.007	O	|	|	|	|	0.01
124.000	0.00	0.00	0.007	O	|	|	|	|	0.01
124.083	0.00	0.00	0.007	O	|	|	|	|	0.01
124.167	0.00	0.00	0.007	O	|	|	|	|	0.01
124.250	0.00	0.00	0.007	O	|	|	|	|	0.01
124.333	0.00	0.00	0.007	O	|	|	|	|	0.01
124.417	0.00	0.00	0.007	O	|	|	|	|	0.01
124.500	0.00	0.00	0.007	O	|	|	|	|	0.01
124.583	0.00	0.00	0.007	O	|	|	|	|	0.01
124.667	0.00	0.00	0.007	O	|	|	|	|	0.01
124.750	0.00	0.00	0.007	O	|	|	|	|	0.01
124.833	0.00	0.00	0.007	O	|	|	|	|	0.01
124.917	0.00	0.00	0.007	O	|	|	|	|	0.01
125.000	0.00	0.00	0.007	O	|	|	|	|	0.01
125.083	0.00	0.00	0.007	O	|	|	|	|	0.01
125.167	0.00	0.00	0.007	O	|	|	|	|	0.01
125.250	0.00	0.00	0.007	O	|	|	|	|	0.01
125.333	0.00	0.00	0.007	O	|	|	|	|	0.01
125.417	0.00	0.00	0.007	O	|	|	|	|	0.01
125.500	0.00	0.00	0.007	O	|	|	|	|	0.01
125.583	0.00	0.00	0.007	O	|	|	|	|	0.01
125.667	0.00	0.00	0.007	O	|	|	|	|	0.01
125.750	0.00	0.00	0.006	O	|	|	|	|	0.01
125.833	0.00	0.00	0.006	O	|	|	|	|	0.01
125.917	0.00	0.00	0.006	O	|	|	|	|	0.01
126.000	0.00	0.00	0.006	O	|	|	|	|	0.01
126.083	0.00	0.00	0.006	O	|	|	|	|	0.01
126.167	0.00	0.00	0.006	O	|	|	|	|	0.01
126.250	0.00	0.00	0.006	O	|	|	|	|	0.01
126.333	0.00	0.00	0.006	O	|	|	|	|	0.01
126.417	0.00	0.00	0.006	O	|	|	|	|	0.01
126.500	0.00	0.00	0.006	O	|	|	|	|	0.01
126.583	0.00	0.00	0.006	O	|	|	|	|	0.01
126.667	0.00	0.00	0.006	O	|	|	|	|	0.01
126.750	0.00	0.00	0.006	O	|	|	|	|	0.01
126.833	0.00	0.00	0.006	O	|	|	|	|	0.01
126.917	0.00	0.00	0.006	O	|	|	|	|	0.01
127.000	0.00	0.00	0.006	O	|	|	|	|	0.01
127.083	0.00	0.00	0.006	O	|	|	|	|	0.01
127.167	0.00	0.00	0.006	O	|	|	|	|	0.01
127.250	0.00	0.00	0.006	O	|	|	|	|	0.01
127.333	0.00	0.00	0.006	O	|	|	|	|	0.01
127.417	0.00	0.00	0.006	O	|	|	|	|	0.01
127.500	0.00	0.00	0.006	O	|	|	|	|	0.01
127.583	0.00	0.00	0.006	O	|	|	|	|	0.01
127.667	0.00	0.00	0.006	O	|	|	|	|	0.01
127.750	0.00	0.00	0.006	O	|	|	|	|	0.01
127.833	0.00	0.00	0.006	O	|	|	|	|	0.01
127.917	0.00	0.00	0.006	O	|	|	|	|	0.01
128.000	0.00	0.00	0.006	O	|	|	|	|	0.01
128.083	0.00	0.00	0.006	O	|	|	|	|	0.01
128.167	0.00	0.00	0.006	O	|	|	|	|	0.01
128.250	0.00	0.00	0.006	O	|	|	|	|	0.01
128.333	0.00	0.00	0.006	O	|	|	|	|	0.01
128.417	0.00	0.00	0.006	O	|	|	|	|	0.01
128.500	0.00	0.00	0.006	O	|	|	|	|	0.01
128.583	0.00	0.00	0.006	O	|	|	|	|	0.01
128.667	0.00	0.00	0.006	O	|	|	|	|	0.01
128.750	0.00	0.00	0.006	O	|	|	|	|	0.01
128.833	0.00	0.00	0.006	O	|	|	|	|	0.01

128.917	0.00	0.00	0.006	O	|	|	|	|	0.01
129.000	0.00	0.00	0.006	O	|	|	|	|	0.01
129.083	0.00	0.00	0.006	O	|	|	|	|	0.01
129.167	0.00	0.00	0.006	O	|	|	|	|	0.01
129.250	0.00	0.00	0.006	O	|	|	|	|	0.01
129.333	0.00	0.00	0.006	O	|	|	|	|	0.01
129.417	0.00	0.00	0.006	O	|	|	|	|	0.01
129.500	0.00	0.00	0.006	O	|	|	|	|	0.01
129.583	0.00	0.00	0.006	O	|	|	|	|	0.01
129.667	0.00	0.00	0.006	O	|	|	|	|	0.01
129.750	0.00	0.00	0.005	O	|	|	|	|	0.01
129.833	0.00	0.00	0.005	O	|	|	|	|	0.01
129.917	0.00	0.00	0.005	O	|	|	|	|	0.01
130.000	0.00	0.00	0.005	O	|	|	|	|	0.01
130.083	0.00	0.00	0.005	O	|	|	|	|	0.01
130.167	0.00	0.00	0.005	O	|	|	|	|	0.01
130.250	0.00	0.00	0.005	O	|	|	|	|	0.01
130.333	0.00	0.00	0.005	O	|	|	|	|	0.01
130.417	0.00	0.00	0.005	O	|	|	|	|	0.01
130.500	0.00	0.00	0.005	O	|	|	|	|	0.01
130.583	0.00	0.00	0.005	O	|	|	|	|	0.01
130.667	0.00	0.00	0.005	O	|	|	|	|	0.01
130.750	0.00	0.00	0.005	O	|	|	|	|	0.01
130.833	0.00	0.00	0.005	O	|	|	|	|	0.01
130.917	0.00	0.00	0.005	O	|	|	|	|	0.01
131.000	0.00	0.00	0.005	O	|	|	|	|	0.01
131.083	0.00	0.00	0.005	O	|	|	|	|	0.01
131.167	0.00	0.00	0.005	O	|	|	|	|	0.01
131.250	0.00	0.00	0.005	O	|	|	|	|	0.01
131.333	0.00	0.00	0.005	O	|	|	|	|	0.01
131.417	0.00	0.00	0.005	O	|	|	|	|	0.01
131.500	0.00	0.00	0.005	O	|	|	|	|	0.01
131.583	0.00	0.00	0.005	O	|	|	|	|	0.01
131.667	0.00	0.00	0.005	O	|	|	|	|	0.01
131.750	0.00	0.00	0.005	O	|	|	|	|	0.01
131.833	0.00	0.00	0.005	O	|	|	|	|	0.01
131.917	0.00	0.00	0.005	O	|	|	|	|	0.01
132.000	0.00	0.00	0.005	O	|	|	|	|	0.01
132.083	0.00	0.00	0.005	O	|	|	|	|	0.01
132.167	0.00	0.00	0.005	O	|	|	|	|	0.01
132.250	0.00	0.00	0.005	O	|	|	|	|	0.01
132.333	0.00	0.00	0.005	O	|	|	|	|	0.01
132.417	0.00	0.00	0.005	O	|	|	|	|	0.01
132.500	0.00	0.00	0.005	O	|	|	|	|	0.01
132.583	0.00	0.00	0.005	O	|	|	|	|	0.01
132.667	0.00	0.00	0.005	O	|	|	|	|	0.01
132.750	0.00	0.00	0.005	O	|	|	|	|	0.01
132.833	0.00	0.00	0.005	O	|	|	|	|	0.01
132.917	0.00	0.00	0.005	O	|	|	|	|	0.01
133.000	0.00	0.00	0.005	O	|	|	|	|	0.01
133.083	0.00	0.00	0.005	O	|	|	|	|	0.01
133.167	0.00	0.00	0.005	O	|	|	|	|	0.01
133.250	0.00	0.00	0.005	O	|	|	|	|	0.01
133.333	0.00	0.00	0.005	O	|	|	|	|	0.01
133.417	0.00	0.00	0.005	O	|	|	|	|	0.01
133.500	0.00	0.00	0.005	O	|	|	|	|	0.01
133.583	0.00	0.00	0.005	O	|	|	|	|	0.01
133.667	0.00	0.00	0.005	O	|	|	|	|	0.01
133.750	0.00	0.00	0.005	O	|	|	|	|	0.01
133.833	0.00	0.00	0.005	O	|	|	|	|	0.01
133.917	0.00	0.00	0.005	O	|	|	|	|	0.01
134.000	0.00	0.00	0.005	O	|	|	|	|	0.01
134.083	0.00	0.00	0.005	O	|	|	|	|	0.01
134.167	0.00	0.00	0.005	O	|	|	|	|	0.01
134.250	0.00	0.00	0.005	O	|	|	|	|	0.01
134.333	0.00	0.00	0.005	O	|	|	|	|	0.01
134.417	0.00	0.00	0.005	O	|	|	|	|	0.01

134.500	0.00	0.00	0.004	O	|	|	|	|	0.01
134.583	0.00	0.00	0.004	O	|	|	|	|	0.01
134.667	0.00	0.00	0.004	O	|	|	|	|	0.01
134.750	0.00	0.00	0.004	O	|	|	|	|	0.01
134.833	0.00	0.00	0.004	O	|	|	|	|	0.01
134.917	0.00	0.00	0.004	O	|	|	|	|	0.01
135.000	0.00	0.00	0.004	O	|	|	|	|	0.01
135.083	0.00	0.00	0.004	O	|	|	|	|	0.01
135.167	0.00	0.00	0.004	O	|	|	|	|	0.01
135.250	0.00	0.00	0.004	O	|	|	|	|	0.01
135.333	0.00	0.00	0.004	O	|	|	|	|	0.01
135.417	0.00	0.00	0.004	O	|	|	|	|	0.01
135.500	0.00	0.00	0.004	O	|	|	|	|	0.01
135.583	0.00	0.00	0.004	O	|	|	|	|	0.01
135.667	0.00	0.00	0.004	O	|	|	|	|	0.01
135.750	0.00	0.00	0.004	O	|	|	|	|	0.01
135.833	0.00	0.00	0.004	O	|	|	|	|	0.01
135.917	0.00	0.00	0.004	O	|	|	|	|	0.01
136.000	0.00	0.00	0.004	O	|	|	|	|	0.01
136.083	0.00	0.00	0.004	O	|	|	|	|	0.01
136.167	0.00	0.00	0.004	O	|	|	|	|	0.01
136.250	0.00	0.00	0.004	O	|	|	|	|	0.01
136.333	0.00	0.00	0.004	O	|	|	|	|	0.01
136.417	0.00	0.00	0.004	O	|	|	|	|	0.01
136.500	0.00	0.00	0.004	O	|	|	|	|	0.01
136.583	0.00	0.00	0.004	O	|	|	|	|	0.01
136.667	0.00	0.00	0.004	O	|	|	|	|	0.01
136.750	0.00	0.00	0.004	O	|	|	|	|	0.01
136.833	0.00	0.00	0.004	O	|	|	|	|	0.01
136.917	0.00	0.00	0.004	O	|	|	|	|	0.01
137.000	0.00	0.00	0.004	O	|	|	|	|	0.01
137.083	0.00	0.00	0.004	O	|	|	|	|	0.01
137.167	0.00	0.00	0.004	O	|	|	|	|	0.01
137.250	0.00	0.00	0.004	O	|	|	|	|	0.01
137.333	0.00	0.00	0.004	O	|	|	|	|	0.01
137.417	0.00	0.00	0.004	O	|	|	|	|	0.01
137.500	0.00	0.00	0.004	O	|	|	|	|	0.01
137.583	0.00	0.00	0.004	O	|	|	|	|	0.01
137.667	0.00	0.00	0.004	O	|	|	|	|	0.01
137.750	0.00	0.00	0.004	O	|	|	|	|	0.01
137.833	0.00	0.00	0.004	O	|	|	|	|	0.01
137.917	0.00	0.00	0.004	O	|	|	|	|	0.01
138.000	0.00	0.00	0.004	O	|	|	|	|	0.01
138.083	0.00	0.00	0.004	O	|	|	|	|	0.01
138.167	0.00	0.00	0.004	O	|	|	|	|	0.01
138.250	0.00	0.00	0.004	O	|	|	|	|	0.01
138.333	0.00	0.00	0.004	O	|	|	|	|	0.01
138.417	0.00	0.00	0.004	O	|	|	|	|	0.01
138.500	0.00	0.00	0.004	O	|	|	|	|	0.01
138.583	0.00	0.00	0.004	O	|	|	|	|	0.01
138.667	0.00	0.00	0.004	O	|	|	|	|	0.01
138.750	0.00	0.00	0.004	O	|	|	|	|	0.01
138.833	0.00	0.00	0.004	O	|	|	|	|	0.01
138.917	0.00	0.00	0.004	O	|	|	|	|	0.01
139.000	0.00	0.00	0.004	O	|	|	|	|	0.01
139.083	0.00	0.00	0.004	O	|	|	|	|	0.01
139.167	0.00	0.00	0.004	O	|	|	|	|	0.01
139.250	0.00	0.00	0.004	O	|	|	|	|	0.01
139.333	0.00	0.00	0.004	O	|	|	|	|	0.01
139.417	0.00	0.00	0.004	O	|	|	|	|	0.01
139.500	0.00	0.00	0.004	O	|	|	|	|	0.01
139.583	0.00	0.00	0.004	O	|	|	|	|	0.01
139.667	0.00	0.00	0.004	O	|	|	|	|	0.01
139.750	0.00	0.00	0.004	O	|	|	|	|	0.01
139.833	0.00	0.00	0.004	O	|	|	|	|	0.01
139.917	0.00	0.00	0.004	O	|	|	|	|	0.01
140.000	0.00	0.00	0.004	O	|	|	|	|	0.01

140.083	0.00	0.00	0.004	O	|	|	|	|	0.01
140.167	0.00	0.00	0.004	O	|	|	|	|	0.00
140.250	0.00	0.00	0.004	O	|	|	|	|	0.00
140.333	0.00	0.00	0.004	O	|	|	|	|	0.00
140.417	0.00	0.00	0.004	O	|	|	|	|	0.00
140.500	0.00	0.00	0.003	O	|	|	|	|	0.00
140.583	0.00	0.00	0.003	O	|	|	|	|	0.00
140.667	0.00	0.00	0.003	O	|	|	|	|	0.00
140.750	0.00	0.00	0.003	O	|	|	|	|	0.00
140.833	0.00	0.00	0.003	O	|	|	|	|	0.00
140.917	0.00	0.00	0.003	O	|	|	|	|	0.00
141.000	0.00	0.00	0.003	O	|	|	|	|	0.00
141.083	0.00	0.00	0.003	O	|	|	|	|	0.00
141.167	0.00	0.00	0.003	O	|	|	|	|	0.00
141.250	0.00	0.00	0.003	O	|	|	|	|	0.00
141.333	0.00	0.00	0.003	O	|	|	|	|	0.00
141.417	0.00	0.00	0.003	O	|	|	|	|	0.00
141.500	0.00	0.00	0.003	O	|	|	|	|	0.00
141.583	0.00	0.00	0.003	O	|	|	|	|	0.00
141.667	0.00	0.00	0.003	O	|	|	|	|	0.00
141.750	0.00	0.00	0.003	O	|	|	|	|	0.00
141.833	0.00	0.00	0.003	O	|	|	|	|	0.00
141.917	0.00	0.00	0.003	O	|	|	|	|	0.00
142.000	0.00	0.00	0.003	O	|	|	|	|	0.00
142.083	0.00	0.00	0.003	O	|	|	|	|	0.00
142.167	0.00	0.00	0.003	O	|	|	|	|	0.00
142.250	0.00	0.00	0.003	O	|	|	|	|	0.00
142.333	0.00	0.00	0.003	O	|	|	|	|	0.00
142.417	0.00	0.00	0.003	O	|	|	|	|	0.00
142.500	0.00	0.00	0.003	O	|	|	|	|	0.00
142.583	0.00	0.00	0.003	O	|	|	|	|	0.00
142.667	0.00	0.00	0.003	O	|	|	|	|	0.00
142.750	0.00	0.00	0.003	O	|	|	|	|	0.00
142.833	0.00	0.00	0.003	O	|	|	|	|	0.00
142.917	0.00	0.00	0.003	O	|	|	|	|	0.00
143.000	0.00	0.00	0.003	O	|	|	|	|	0.00
143.083	0.00	0.00	0.003	O	|	|	|	|	0.00
143.167	0.00	0.00	0.003	O	|	|	|	|	0.00
143.250	0.00	0.00	0.003	O	|	|	|	|	0.00
143.333	0.00	0.00	0.003	O	|	|	|	|	0.00
143.417	0.00	0.00	0.003	O	|	|	|	|	0.00
143.500	0.00	0.00	0.003	O	|	|	|	|	0.00
143.583	0.00	0.00	0.003	O	|	|	|	|	0.00
143.667	0.00	0.00	0.003	O	|	|	|	|	0.00
143.750	0.00	0.00	0.003	O	|	|	|	|	0.00
143.833	0.00	0.00	0.003	O	|	|	|	|	0.00
143.917	0.00	0.00	0.003	O	|	|	|	|	0.00
144.000	0.00	0.00	0.003	O	|	|	|	|	0.00
144.083	0.00	0.00	0.003	O	|	|	|	|	0.00
144.167	0.00	0.00	0.003	O	|	|	|	|	0.00
144.250	0.00	0.00	0.003	O	|	|	|	|	0.00
144.333	0.00	0.00	0.003	O	|	|	|	|	0.00
144.417	0.00	0.00	0.003	O	|	|	|	|	0.00
144.500	0.00	0.00	0.003	O	|	|	|	|	0.00
144.583	0.00	0.00	0.003	O	|	|	|	|	0.00
144.667	0.00	0.00	0.003	O	|	|	|	|	0.00
144.750	0.00	0.00	0.003	O	|	|	|	|	0.00
144.833	0.00	0.00	0.003	O	|	|	|	|	0.00
144.917	0.00	0.00	0.003	O	|	|	|	|	0.00
145.000	0.00	0.00	0.003	O	|	|	|	|	0.00
145.083	0.00	0.00	0.003	O	|	|	|	|	0.00
145.167	0.00	0.00	0.003	O	|	|	|	|	0.00
145.250	0.00	0.00	0.003	O	|	|	|	|	0.00
145.333	0.00	0.00	0.003	O	|	|	|	|	0.00
145.417	0.00	0.00	0.003	O	|	|	|	|	0.00
145.500	0.00	0.00	0.003	O	|	|	|	|	0.00
145.583	0.00	0.00	0.003	O	|	|	|	|	0.00

145.667	0.00	0.00	0.003	O	|	|	|	0.00
145.750	0.00	0.00	0.003	O	|	|	|	0.00
145.833	0.00	0.00	0.003	O	|	|	|	0.00
145.917	0.00	0.00	0.003	O	|	|	|	0.00
146.000	0.00	0.00	0.003	O	|	|	|	0.00
146.083	0.00	0.00	0.003	O	|	|	|	0.00
146.167	0.00	0.00	0.003	O	|	|	|	0.00
146.250	0.00	0.00	0.003	O	|	|	|	0.00
146.333	0.00	0.00	0.003	O	|	|	|	0.00
146.417	0.00	0.00	0.003	O	|	|	|	0.00
146.500	0.00	0.00	0.003	O	|	|	|	0.00
146.583	0.00	0.00	0.003	O	|	|	|	0.00
146.667	0.00	0.00	0.003	O	|	|	|	0.00
146.750	0.00	0.00	0.003	O	|	|	|	0.00
146.833	0.00	0.00	0.003	O	|	|	|	0.00
146.917	0.00	0.00	0.003	O	|	|	|	0.00
147.000	0.00	0.00	0.003	O	|	|	|	0.00
147.083	0.00	0.00	0.003	O	|	|	|	0.00
147.167	0.00	0.00	0.003	O	|	|	|	0.00
147.250	0.00	0.00	0.003	O	|	|	|	0.00
147.333	0.00	0.00	0.003	O	|	|	|	0.00
147.417	0.00	0.00	0.003	O	|	|	|	0.00
147.500	0.00	0.00	0.003	O	|	|	|	0.00
147.583	0.00	0.00	0.003	O	|	|	|	0.00
147.667	0.00	0.00	0.003	O	|	|	|	0.00
147.750	0.00	0.00	0.003	O	|	|	|	0.00
147.833	0.00	0.00	0.003	O	|	|	|	0.00
147.917	0.00	0.00	0.003	O	|	|	|	0.00
148.000	0.00	0.00	0.003	O	|	|	|	0.00
148.083	0.00	0.00	0.003	O	|	|	|	0.00
148.167	0.00	0.00	0.003	O	|	|	|	0.00
148.250	0.00	0.00	0.003	O	|	|	|	0.00
148.333	0.00	0.00	0.003	O	|	|	|	0.00
148.417	0.00	0.00	0.003	O	|	|	|	0.00
148.500	0.00	0.00	0.003	O	|	|	|	0.00
148.583	0.00	0.00	0.002	O	|	|	|	0.00
148.667	0.00	0.00	0.002	O	|	|	|	0.00
148.750	0.00	0.00	0.002	O	|	|	|	0.00
148.833	0.00	0.00	0.002	O	|	|	|	0.00
148.917	0.00	0.00	0.002	O	|	|	|	0.00
149.000	0.00	0.00	0.002	O	|	|	|	0.00
149.083	0.00	0.00	0.002	O	|	|	|	0.00
149.167	0.00	0.00	0.002	O	|	|	|	0.00
149.250	0.00	0.00	0.002	O	|	|	|	0.00
149.333	0.00	0.00	0.002	O	|	|	|	0.00
149.417	0.00	0.00	0.002	O	|	|	|	0.00
149.500	0.00	0.00	0.002	O	|	|	|	0.00
149.583	0.00	0.00	0.002	O	|	|	|	0.00
149.667	0.00	0.00	0.002	O	|	|	|	0.00
149.750	0.00	0.00	0.002	O	|	|	|	0.00
149.833	0.00	0.00	0.002	O	|	|	|	0.00
149.917	0.00	0.00	0.002	O	|	|	|	0.00
150.000	0.00	0.00	0.002	O	|	|	|	0.00
150.083	0.00	0.00	0.002	O	|	|	|	0.00
150.167	0.00	0.00	0.002	O	|	|	|	0.00
150.250	0.00	0.00	0.002	O	|	|	|	0.00
150.333	0.00	0.00	0.002	O	|	|	|	0.00
150.417	0.00	0.00	0.002	O	|	|	|	0.00
150.500	0.00	0.00	0.002	O	|	|	|	0.00
150.583	0.00	0.00	0.002	O	|	|	|	0.00
150.667	0.00	0.00	0.002	O	|	|	|	0.00
150.750	0.00	0.00	0.002	O	|	|	|	0.00
150.833	0.00	0.00	0.002	O	|	|	|	0.00
150.917	0.00	0.00	0.002	O	|	|	|	0.00
151.000	0.00	0.00	0.002	O	|	|	|	0.00
151.083	0.00	0.00	0.002	O	|	|	|	0.00
151.167	0.00	0.00	0.002	O	|	|	|	0.00

151.250	0.00	0.00	0.002	O	|	|	|	|	0.00
151.333	0.00	0.00	0.002	O	|	|	|	|	0.00
151.417	0.00	0.00	0.002	O	|	|	|	|	0.00
151.500	0.00	0.00	0.002	O	|	|	|	|	0.00
151.583	0.00	0.00	0.002	O	|	|	|	|	0.00
151.667	0.00	0.00	0.002	O	|	|	|	|	0.00
151.750	0.00	0.00	0.002	O	|	|	|	|	0.00
151.833	0.00	0.00	0.002	O	|	|	|	|	0.00
151.917	0.00	0.00	0.002	O	|	|	|	|	0.00
152.000	0.00	0.00	0.002	O	|	|	|	|	0.00
152.083	0.00	0.00	0.002	O	|	|	|	|	0.00
152.167	0.00	0.00	0.002	O	|	|	|	|	0.00
152.250	0.00	0.00	0.002	O	|	|	|	|	0.00
152.333	0.00	0.00	0.002	O	|	|	|	|	0.00
152.417	0.00	0.00	0.002	O	|	|	|	|	0.00
152.500	0.00	0.00	0.002	O	|	|	|	|	0.00
152.583	0.00	0.00	0.002	O	|	|	|	|	0.00
152.667	0.00	0.00	0.002	O	|	|	|	|	0.00
152.750	0.00	0.00	0.002	O	|	|	|	|	0.00
152.833	0.00	0.00	0.002	O	|	|	|	|	0.00
152.917	0.00	0.00	0.002	O	|	|	|	|	0.00
153.000	0.00	0.00	0.002	O	|	|	|	|	0.00
153.083	0.00	0.00	0.002	O	|	|	|	|	0.00
153.167	0.00	0.00	0.002	O	|	|	|	|	0.00
153.250	0.00	0.00	0.002	O	|	|	|	|	0.00
153.333	0.00	0.00	0.002	O	|	|	|	|	0.00
153.417	0.00	0.00	0.002	O	|	|	|	|	0.00
153.500	0.00	0.00	0.002	O	|	|	|	|	0.00
153.583	0.00	0.00	0.002	O	|	|	|	|	0.00
153.667	0.00	0.00	0.002	O	|	|	|	|	0.00
153.750	0.00	0.00	0.002	O	|	|	|	|	0.00
153.833	0.00	0.00	0.002	O	|	|	|	|	0.00
153.917	0.00	0.00	0.002	O	|	|	|	|	0.00
154.000	0.00	0.00	0.002	O	|	|	|	|	0.00
154.083	0.00	0.00	0.002	O	|	|	|	|	0.00
154.167	0.00	0.00	0.002	O	|	|	|	|	0.00
154.250	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1851
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.502 (CFS)
Total volume = 1.171 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRI310.rte

**********HYDROGRAPH DATA**********

Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 23.898 (CFS)
Total volume = 1.855 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN I- ROUTING
10YR-3HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.710	0.360	0.709	0.711
2.000	1.520	0.620	1.518	1.522
3.000	2.440	0.800	2.437	2.443
4.000	3.480	1.790	3.474	3.486
5.000	4.630	26.090	4.540	4.720

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 6.0 11.95 17.92 23.90	Depth (Ft.)
0.083	1.80	0.00	0.006	O I	0.01
0.167	3.06	0.01	0.023	O I	0.03
0.250	3.02	0.02	0.044	O I	0.06
0.333	3.38	0.03	0.066	O I	0.09
0.417	3.73	0.05	0.090	O I	0.13

0.500	4.22	0.06	0.117	O	I	|	|	|	|	0.16
0.583	4.10	0.07	0.145	O	I	|	|	|	|	0.20
0.667	4.27	0.09	0.173	O	I	|	|	|	|	0.24
0.750	4.51	0.10	0.203	O	I	|	|	|	|	0.29
0.833	4.15	0.12	0.232	O	I	|	|	|	|	0.33
0.917	4.00	0.13	0.259	O	I	|	|	|	|	0.36
1.000	4.32	0.15	0.287	O	I	|	|	|	|	0.40
1.083	5.08	0.16	0.318	O	I	|	|	|	|	0.45
1.167	5.51	0.18	0.353	O	I	|	|	|	|	0.50
1.250	5.58	0.20	0.390	O	I	|	|	|	|	0.55
1.333	5.30	0.22	0.426	O	I	|	|	|	|	0.60
1.417	5.94	0.24	0.463	O	I	|	|	|	|	0.65
1.500	6.62	0.26	0.505	O	I	|	|	|	|	0.71
1.583	6.42	0.28	0.548	O	I	|	|	|	|	0.77
1.667	6.56	0.30	0.591	O	I	|	|	|	|	0.83
1.750	7.62	0.32	0.637	O	| I	|	|	|	|	0.90
1.833	7.98	0.35	0.689	O	| I	|	|	|	|	0.97
1.917	7.62	0.37	0.740	O	| I	|	|	|	|	1.04
2.000	7.53	0.39	0.790	O	| I	|	|	|	|	1.10
2.083	7.73	0.40	0.840	O	| I	|	|	|	|	1.16
2.167	9.60	0.42	0.896	O	| I	|	|	|	|	1.23
2.250	12.42	0.44	0.969	O	| I	|	|	|	|	1.32
2.333	10.99	0.47	1.047	O	| I	|	|	|	|	1.42
2.417	15.55	0.50	1.135	O	| I	|	|	|	|	1.52
2.500	20.60	0.54	1.256	O	| I	|	|	|	|	1.67
2.583	23.90	0.58	1.405	O	| I	|	|	|	|	1.86
2.667	20.75	0.63	1.555	O	| I	|	|	|	|	2.04
2.750	11.20	0.65	1.660	O	| I	|	|	|	|	2.15
2.833	5.68	0.66	1.714	O	I	|	|	|	|	2.21
2.917	4.60	0.66	1.745	O	I	|	|	|	|	2.24
3.000	2.91	0.67	1.766	O	I	|	|	|	|	2.27
3.083	0.91	**0.67**	**1.775**	**OI**	|	|	|	|	|	**2.28**
3.167	0.11	0.67	1.774	O	|	|	|	|	|	2.28
3.250	0.00	0.67	1.769	O	|	|	|	|	|	2.27
3.333	0.00	0.67	1.765	O	|	|	|	|	|	2.27
3.417	0.00	0.67	1.760	O	|	|	|	|	|	2.26
3.500	0.00	0.67	1.756	O	|	|	|	|	|	2.26
3.583	0.00	0.67	1.751	O	|	|	|	|	|	2.25
3.667	0.00	0.66	1.746	O	|	|	|	|	|	2.25
3.750	0.00	0.66	1.742	O	|	|	|	|	|	2.24
3.833	0.00	0.66	1.737	O	|	|	|	|	|	2.24
3.917	0.00	0.66	1.733	O	|	|	|	|	|	2.23
4.000	0.00	0.66	1.728	O	|	|	|	|	|	2.23
4.083	0.00	0.66	1.724	O	|	|	|	|	|	2.22
4.167	0.00	0.66	1.719	O	|	|	|	|	|	2.22
4.250	0.00	0.66	1.715	O	|	|	|	|	|	2.21
4.333	0.00	0.66	1.710	O	|	|	|	|	|	2.21
4.417	0.00	0.66	1.706	O	|	|	|	|	|	2.20
4.500	0.00	0.66	1.701	O	|	|	|	|	|	2.20
4.583	0.00	0.65	1.696	O	|	|	|	|	|	2.19
4.667	0.00	0.65	1.692	O	|	|	|	|	|	2.19
4.750	0.00	0.65	1.687	O	|	|	|	|	|	2.18
4.833	0.00	0.65	1.683	O	|	|	|	|	|	2.18
4.917	0.00	0.65	1.678	O	|	|	|	|	|	2.17
5.000	0.00	0.65	1.674	O	|	|	|	|	|	2.17
5.083	0.00	0.65	1.670	O	|	|	|	|	|	2.16
5.167	0.00	0.65	1.665	O	|	|	|	|	|	2.16
5.250	0.00	0.65	1.661	O	|	|	|	|	|	2.15
5.333	0.00	0.65	1.656	O	|	|	|	|	|	2.15
5.417	0.00	0.65	1.652	O	|	|	|	|	|	2.14
5.500	0.00	0.64	1.647	O	|	|	|	|	|	2.14
5.583	0.00	0.64	1.643	O	|	|	|	|	|	2.13
5.667	0.00	0.64	1.638	O	|	|	|	|	|	2.13
5.750	0.00	0.64	1.634	O	|	|	|	|	|	2.12
5.833	0.00	0.64	1.630	O	|	|	|	|	|	2.12
5.917	0.00	0.64	1.625	O	|	|	|	|	|	2.11
6.000	0.00	0.64	1.621	O	|	|	|	|	|	2.11

6.083	0.00	0.64	1.616	O	|	|	|	2.10
6.167	0.00	0.64	1.612	O	|	|	|	2.10
6.250	0.00	0.64	1.608	O	|	|	|	2.10
6.333	0.00	0.64	1.603	O	|	|	|	2.09
6.417	0.00	0.64	1.599	O	|	|	|	2.09
6.500	0.00	0.63	1.594	O	|	|	|	2.08
6.583	0.00	0.63	1.590	O	|	|	|	2.08
6.667	0.00	0.63	1.586	O	|	|	|	2.07
6.750	0.00	0.63	1.581	O	|	|	|	2.07
6.833	0.00	0.63	1.577	O	|	|	|	2.06
6.917	0.00	0.63	1.573	O	|	|	|	2.06
7.000	0.00	0.63	1.568	O	|	|	|	2.05
7.083	0.00	0.63	1.564	O	|	|	|	2.05
7.167	0.00	0.63	1.560	O	|	|	|	2.04
7.250	0.00	0.63	1.555	O	|	|	|	2.04
7.333	0.00	0.63	1.551	O	|	|	|	2.03
7.417	0.00	0.63	1.547	O	|	|	|	2.03
7.500	0.00	0.62	1.542	O	|	|	|	2.02
7.583	0.00	0.62	1.538	O	|	|	|	2.02
7.667	0.00	0.62	1.534	O	|	|	|	2.01
7.750	0.00	0.62	1.529	O	|	|	|	2.01
7.833	0.00	0.62	1.525	O	|	|	|	2.01
7.917	0.00	0.62	1.521	O	|	|	|	2.00
8.000	0.00	0.62	1.517	O	|	|	|	2.00
8.083	0.00	0.62	1.512	O	|	|	|	1.99
8.167	0.00	0.62	1.508	O	|	|	|	1.99
8.250	0.00	0.61	1.504	O	|	|	|	1.98
8.333	0.00	0.61	1.500	O	|	|	|	1.97
8.417	0.00	0.61	1.495	O	|	|	|	1.97
8.500	0.00	0.61	1.491	O	|	|	|	1.96
8.583	0.00	0.61	1.487	O	|	|	|	1.96
8.667	0.00	0.61	1.483	O	|	|	|	1.95
8.750	0.00	0.61	1.479	O	|	|	|	1.95
8.833	0.00	0.61	1.475	O	|	|	|	1.94
8.917	0.00	0.60	1.470	O	|	|	|	1.94
9.000	0.00	0.60	1.466	O	|	|	|	1.93
9.083	0.00	0.60	1.462	O	|	|	|	1.93
9.167	0.00	0.60	1.458	O	|	|	|	1.92
9.250	0.00	0.60	1.454	O	|	|	|	1.92
9.333	0.00	0.60	1.450	O	|	|	|	1.91
9.417	0.00	0.60	1.446	O	|	|	|	1.91
9.500	0.00	0.59	1.441	O	|	|	|	1.90
9.583	0.00	0.59	1.437	O	|	|	|	1.90
9.667	0.00	0.59	1.433	O	|	|	|	1.89
9.750	0.00	0.59	1.429	O	|	|	|	1.89
9.833	0.00	0.59	1.425	O	|	|	|	1.88
9.917	0.00	0.59	1.421	O	|	|	|	1.88
10.000	0.00	0.59	1.417	O	|	|	|	1.87
10.083	0.00	0.59	1.413	O	|	|	|	1.87
10.167	0.00	0.58	1.409	O	|	|	|	1.86
10.250	0.00	0.58	1.405	O	|	|	|	1.86
10.333	0.00	0.58	1.401	O	|	|	|	1.85
10.417	0.00	0.58	1.397	O	|	|	|	1.85
10.500	0.00	0.58	1.393	O	|	|	|	1.84
10.583	0.00	0.58	1.389	O	|	|	|	1.84
10.667	0.00	0.58	1.385	O	|	|	|	1.83
10.750	0.00	0.58	1.381	O	|	|	|	1.83
10.833	0.00	0.57	1.377	O	|	|	|	1.82
10.917	0.00	0.57	1.373	O	|	|	|	1.82
11.000	0.00	0.57	1.369	O	|	|	|	1.81
11.083	0.00	0.57	1.365	O	|	|	|	1.81
11.167	0.00	0.57	1.361	O	|	|	|	1.80
11.250	0.00	0.57	1.357	O	|	|	|	1.80
11.333	0.00	0.57	1.353	O	|	|	|	1.79
11.417	0.00	0.57	1.350	O	|	|	|	1.79
11.500	0.00	0.56	1.346	O	|	|	|	1.78
11.583	0.00	0.56	1.342	O	|	|	|	1.78

11.667	0.00	0.56	1.338	O	|	|	|	| 1.78
11.750	0.00	0.56	1.334	O	|	|	|	| 1.77
11.833	0.00	0.56	1.330	O	|	|	|	| 1.77
11.917	0.00	0.56	1.326	O	|	|	|	| 1.76
12.000	0.00	0.56	1.323	O	|	|	|	| 1.76
12.083	0.00	0.56	1.319	O	|	|	|	| 1.75
12.167	0.00	0.55	1.315	O	|	|	|	| 1.75
12.250	0.00	0.55	1.311	O	|	|	|	| 1.74
12.333	0.00	0.55	1.307	O	|	|	|	| 1.74
12.417	0.00	0.55	1.303	O	|	|	|	| 1.73
12.500	0.00	0.55	1.300	O	|	|	|	| 1.73
12.583	0.00	0.55	1.296	O	|	|	|	| 1.72
12.667	0.00	0.55	1.292	O	|	|	|	| 1.72
12.750	0.00	0.55	1.288	O	|	|	|	| 1.71
12.833	0.00	0.54	1.285	O	|	|	|	| 1.71
12.917	0.00	0.54	1.281	O	|	|	|	| 1.70
13.000	0.00	0.54	1.277	O	|	|	|	| 1.70
13.083	0.00	0.54	1.273	O	|	|	|	| 1.70
13.167	0.00	0.54	1.270	O	|	|	|	| 1.69
13.250	0.00	0.54	1.266	O	|	|	|	| 1.69
13.333	0.00	0.54	1.262	O	|	|	|	| 1.68
13.417	0.00	0.54	1.259	O	|	|	|	| 1.68
13.500	0.00	0.53	1.255	O	|	|	|	| 1.67
13.583	0.00	0.53	1.251	O	|	|	|	| 1.67
13.667	0.00	0.53	1.248	O	|	|	|	| 1.66
13.750	0.00	0.53	1.244	O	|	|	|	| 1.66
13.833	0.00	0.53	1.240	O	|	|	|	| 1.65
13.917	0.00	0.53	1.237	O	|	|	|	| 1.65
14.000	0.00	0.53	1.233	O	|	|	|	| 1.65
14.083	0.00	0.53	1.229	O	|	|	|	| 1.64
14.167	0.00	0.53	1.226	O	|	|	|	| 1.64
14.250	0.00	0.52	1.222	O	|	|	|	| 1.63
14.333	0.00	0.52	1.218	O	|	|	|	| 1.63
14.417	0.00	0.52	1.215	O	|	|	|	| 1.62
14.500	0.00	0.52	1.211	O	|	|	|	| 1.62
14.583	0.00	0.52	1.208	O	|	|	|	| 1.61
14.667	0.00	0.52	1.204	O	|	|	|	| 1.61
14.750	0.00	0.52	1.201	O	|	|	|	| 1.61
14.833	0.00	0.52	1.197	O	|	|	|	| 1.60
14.917	0.00	0.52	1.193	O	|	|	|	| 1.60
15.000	0.00	0.51	1.190	O	|	|	|	| 1.59
15.083	0.00	0.51	1.186	O	|	|	|	| 1.59
15.167	0.00	0.51	1.183	O	|	|	|	| 1.58
15.250	0.00	0.51	1.179	O	|	|	|	| 1.58
15.333	0.00	0.51	1.176	O	|	|	|	| 1.58
15.417	0.00	0.51	1.172	O	|	|	|	| 1.57
15.500	0.00	0.51	1.169	O	|	|	|	| 1.57
15.583	0.00	0.51	1.165	O	|	|	|	| 1.56
15.667	0.00	0.51	1.162	O	|	|	|	| 1.56
15.750	0.00	0.50	1.158	O	|	|	|	| 1.55
15.833	0.00	0.50	1.155	O	|	|	|	| 1.55
15.917	0.00	0.50	1.151	O	|	|	|	| 1.54
16.000	0.00	0.50	1.148	O	|	|	|	| 1.54
16.083	0.00	0.50	1.145	O	|	|	|	| 1.54
16.167	0.00	0.50	1.141	O	|	|	|	| 1.53
16.250	0.00	0.50	1.138	O	|	|	|	| 1.53
16.333	0.00	0.50	1.134	O	|	|	|	| 1.52
16.417	0.00	0.50	1.131	O	|	|	|	| 1.52
16.500	0.00	0.49	1.127	O	|	|	|	| 1.52
16.583	0.00	0.49	1.124	O	|	|	|	| 1.51
16.667	0.00	0.49	1.121	O	|	|	|	| 1.51
16.750	0.00	0.49	1.117	O	|	|	|	| 1.50
16.833	0.00	0.49	1.114	O	|	|	|	| 1.50
16.917	0.00	0.49	1.111	O	|	|	|	| 1.49
17.000	0.00	0.49	1.107	O	|	|	|	| 1.49
17.083	0.00	0.49	1.104	O	|	|	|	| 1.49
17.167	0.00	0.49	1.100	O	|	|	|	| 1.48

17.250	0.00	0.48	1.097	O	|	|	|	1.48
17.333	0.00	0.48	1.094	O	|	|	|	1.47
17.417	0.00	0.48	1.090	O	|	|	|	1.47
17.500	0.00	0.48	1.087	O	|	|	|	1.47
17.583	0.00	0.48	1.084	O	|	|	|	1.46
17.667	0.00	0.48	1.081	O	|	|	|	1.46
17.750	0.00	0.48	1.077	O	|	|	|	1.45
17.833	0.00	0.48	1.074	O	|	|	|	1.45
17.917	0.00	0.48	1.071	O	|	|	|	1.45
18.000	0.00	0.47	1.067	O	|	|	|	1.44
18.083	0.00	0.47	1.064	O	|	|	|	1.44
18.167	0.00	0.47	1.061	O	|	|	|	1.43
18.250	0.00	0.47	1.058	O	|	|	|	1.43
18.333	0.00	0.47	1.054	O	|	|	|	1.43
18.417	0.00	0.47	1.051	O	|	|	|	1.42
18.500	0.00	0.47	1.048	O	|	|	|	1.42
18.583	0.00	0.47	1.045	O	|	|	|	1.41
18.667	0.00	0.47	1.041	O	|	|	|	1.41
18.750	0.00	0.47	1.038	O	|	|	|	1.41
18.833	0.00	0.46	1.035	O	|	|	|	1.40
18.917	0.00	0.46	1.032	O	|	|	|	1.40
19.000	0.00	0.46	1.029	O	|	|	|	1.39
19.083	0.00	0.46	1.025	O	|	|	|	1.39
19.167	0.00	0.46	1.022	O	|	|	|	1.39
19.250	0.00	0.46	1.019	O	|	|	|	1.38
19.333	0.00	0.46	1.016	O	|	|	|	1.38
19.417	0.00	0.46	1.013	O	|	|	|	1.37
19.500	0.00	0.46	1.010	O	|	|	|	1.37
19.583	0.00	0.46	1.007	O	|	|	|	1.37
19.667	0.00	0.45	1.003	O	|	|	|	1.36
19.750	0.00	0.45	1.000	O	|	|	|	1.36
19.833	0.00	0.45	0.997	O	|	|	|	1.35
19.917	0.00	0.45	0.994	O	|	|	|	1.35
20.000	0.00	0.45	0.991	O	|	|	|	1.35
20.083	0.00	0.45	0.988	O	|	|	|	1.34
20.167	0.00	0.45	0.985	O	|	|	|	1.34
20.250	0.00	0.45	0.982	O	|	|	|	1.34
20.333	0.00	0.45	0.979	O	|	|	|	1.33
20.417	0.00	0.45	0.976	O	|	|	|	1.33
20.500	0.00	0.44	0.972	O	|	|	|	1.32
20.583	0.00	0.44	0.969	O	|	|	|	1.32
20.667	0.00	0.44	0.966	O	|	|	|	1.32
20.750	0.00	0.44	0.963	O	|	|	|	1.31
20.833	0.00	0.44	0.960	O	|	|	|	1.31
20.917	0.00	0.44	0.957	O	|	|	|	1.31
21.000	0.00	0.44	0.954	O	|	|	|	1.30
21.083	0.00	0.44	0.951	O	|	|	|	1.30
21.167	0.00	0.44	0.948	O	|	|	|	1.29
21.250	0.00	0.44	0.945	O	|	|	|	1.29
21.333	0.00	0.43	0.942	O	|	|	|	1.29
21.417	0.00	0.43	0.939	O	|	|	|	1.28
21.500	0.00	0.43	0.936	O	|	|	|	1.28
21.583	0.00	0.43	0.933	O	|	|	|	1.28
21.667	0.00	0.43	0.930	O	|	|	|	1.27
21.750	0.00	0.43	0.927	O	|	|	|	1.27
21.833	0.00	0.43	0.924	O	|	|	|	1.26
21.917	0.00	0.43	0.921	O	|	|	|	1.26
22.000	0.00	0.43	0.918	O	|	|	|	1.26
22.083	0.00	0.43	0.916	O	|	|	|	1.25
22.167	0.00	0.43	0.913	O	|	|	|	1.25
22.250	0.00	0.42	0.910	O	|	|	|	1.25
22.333	0.00	0.42	0.907	O	|	|	|	1.24
22.417	0.00	0.42	0.904	O	|	|	|	1.24
22.500	0.00	0.42	0.901	O	|	|	|	1.24
22.583	0.00	0.42	0.898	O	|	|	|	1.23
22.667	0.00	0.42	0.895	O	|	|	|	1.23
22.750	0.00	0.42	0.892	O	|	|	|	1.23

22.833	0.00	0.42	0.889	O	|	|	|	1.22
22.917	0.00	0.42	0.887	O	|	|	|	1.22
23.000	0.00	0.42	0.884	O	|	|	|	1.21
23.083	0.00	0.41	0.881	O	|	|	|	1.21
23.167	0.00	0.41	0.878	O	|	|	|	1.21
23.250	0.00	0.41	0.875	O	|	|	|	1.20
23.333	0.00	0.41	0.872	O	|	|	|	1.20
23.417	0.00	0.41	0.869	O	|	|	|	1.20
23.500	0.00	0.41	0.867	O	|	|	|	1.19
23.583	0.00	0.41	0.864	O	|	|	|	1.19
23.667	0.00	0.41	0.861	O	|	|	|	1.19
23.750	0.00	0.41	0.858	O	|	|	|	1.18
23.833	0.00	0.41	0.855	O	|	|	|	1.18
23.917	0.00	0.41	0.853	O	|	|	|	1.18
24.000	0.00	0.40	0.850	O	|	|	|	1.17
24.083	0.00	0.40	0.847	O	|	|	|	1.17
24.167	0.00	0.40	0.844	O	|	|	|	1.17
24.250	0.00	0.40	0.841	O	|	|	|	1.16
24.333	0.00	0.40	0.839	O	|	|	|	1.16
24.417	0.00	0.40	0.836	O	|	|	|	1.16
24.500	0.00	0.40	0.833	O	|	|	|	1.15
24.583	0.00	0.40	0.830	O	|	|	|	1.15
24.667	0.00	0.40	0.828	O	|	|	|	1.15
24.750	0.00	0.40	0.825	O	|	|	|	1.14
24.833	0.00	0.40	0.822	O	|	|	|	1.14
24.917	0.00	0.40	0.819	O	|	|	|	1.14
25.000	0.00	0.39	0.817	O	|	|	|	1.13
25.083	0.00	0.39	0.814	O	|	|	|	1.13
25.167	0.00	0.39	0.811	O	|	|	|	1.13
25.250	0.00	0.39	0.809	O	|	|	|	1.12
25.333	0.00	0.39	0.806	O	|	|	|	1.12
25.417	0.00	0.39	0.803	O	|	|	|	1.12
25.500	0.00	0.39	0.801	O	|	|	|	1.11
25.583	0.00	0.39	0.798	O	|	|	|	1.11
25.667	0.00	0.39	0.795	O	|	|	|	1.11
25.750	0.00	0.39	0.793	O	|	|	|	1.10
25.833	0.00	0.39	0.790	O	|	|	|	1.10
25.917	0.00	0.38	0.787	O	|	|	|	1.10
26.000	0.00	0.38	0.785	O	|	|	|	1.09
26.083	0.00	0.38	0.782	O	|	|	|	1.09
26.167	0.00	0.38	0.779	O	|	|	|	1.09
26.250	0.00	0.38	0.777	O	|	|	|	1.08
26.333	0.00	0.38	0.774	O	|	|	|	1.08
26.417	0.00	0.38	0.771	O	|	|	|	1.08
26.500	0.00	0.38	0.769	O	|	|	|	1.07
26.583	0.00	0.38	0.766	O	|	|	|	1.07
26.667	0.00	0.38	0.764	O	|	|	|	1.07
26.750	0.00	0.38	0.761	O	|	|	|	1.06
26.833	0.00	0.38	0.758	O	|	|	|	1.06
26.917	0.00	0.37	0.756	O	|	|	|	1.06
27.000	0.00	0.37	0.753	O	|	|	|	1.05
27.083	0.00	0.37	0.751	O	|	|	|	1.05
27.167	0.00	0.37	0.748	O	|	|	|	1.05
27.250	0.00	0.37	0.746	O	|	|	|	1.04
27.333	0.00	0.37	0.743	O	|	|	|	1.04
27.417	0.00	0.37	0.740	O	|	|	|	1.04
27.500	0.00	0.37	0.738	O	|	|	|	1.03
27.583	0.00	0.37	0.735	O	|	|	|	1.03
27.667	0.00	0.37	0.733	O	|	|	|	1.03
27.750	0.00	0.37	0.730	O	|	|	|	1.03
27.833	0.00	0.37	0.728	O	|	|	|	1.02
27.917	0.00	0.36	0.725	O	|	|	|	1.02
28.000	0.00	0.36	0.723	O	|	|	|	1.02
28.083	0.00	0.36	0.720	O	|	|	|	1.01
28.167	0.00	0.36	0.718	O	|	|	|	1.01
28.250	0.00	0.36	0.715	O	|	|	|	1.01
28.333	0.00	0.36	0.713	O	|	|	|	1.00

28.417	0.00	0.36	0.710	O	|	|	|	1.00
28.500	0.00	0.36	0.708	O	|	|	|	1.00
28.583	0.00	0.36	0.705	O	|	|	|	0.99
28.667	0.00	0.36	0.703	O	|	|	|	0.99
28.750	0.00	0.36	0.700	O	|	|	|	0.99
28.833	0.00	0.35	0.698	O	|	|	|	0.98
28.917	0.00	0.35	0.696	O	|	|	|	0.98
29.000	0.00	0.35	0.693	O	|	|	|	0.98
29.083	0.00	0.35	0.691	O	|	|	|	0.97
29.167	0.00	0.35	0.688	O	|	|	|	0.97
29.250	0.00	0.35	0.686	O	|	|	|	0.97
29.333	0.00	0.35	0.684	O	|	|	|	0.96
29.417	0.00	0.35	0.681	O	|	|	|	0.96
29.500	0.00	0.34	0.679	O	|	|	|	0.96
29.583	0.00	0.34	0.676	O	|	|	|	0.95
29.667	0.00	0.34	0.674	O	|	|	|	0.95
29.750	0.00	0.34	0.672	O	|	|	|	0.95
29.833	0.00	0.34	0.669	O	|	|	|	0.94
29.917	0.00	0.34	0.667	O	|	|	|	0.94
30.000	0.00	0.34	0.665	O	|	|	|	0.94
30.083	0.00	0.34	0.662	O	|	|	|	0.93
30.167	0.00	0.33	0.660	O	|	|	|	0.93
30.250	0.00	0.33	0.658	O	|	|	|	0.93
30.333	0.00	0.33	0.655	O	|	|	|	0.92
30.417	0.00	0.33	0.653	O	|	|	|	0.92
30.500	0.00	0.33	0.651	O	|	|	|	0.92
30.583	0.00	0.33	0.649	O	|	|	|	0.91
30.667	0.00	0.33	0.646	O	|	|	|	0.91
30.750	0.00	0.33	0.644	O	|	|	|	0.91
30.833	0.00	0.33	0.642	O	|	|	|	0.90
30.917	0.00	0.32	0.640	O	|	|	|	0.90
31.000	0.00	0.32	0.637	O	|	|	|	0.90
31.083	0.00	0.32	0.635	O	|	|	|	0.89
31.167	0.00	0.32	0.633	O	|	|	|	0.89
31.250	0.00	0.32	0.631	O	|	|	|	0.89
31.333	0.00	0.32	0.629	O	|	|	|	0.89
31.417	0.00	0.32	0.626	O	|	|	|	0.88
31.500	0.00	0.32	0.624	O	|	|	|	0.88
31.583	0.00	0.32	0.622	O	|	|	|	0.88
31.667	0.00	0.31	0.620	O	|	|	|	0.87
31.750	0.00	0.31	0.618	O	|	|	|	0.87
31.833	0.00	0.31	0.616	O	|	|	|	0.87
31.917	0.00	0.31	0.613	O	|	|	|	0.86
32.000	0.00	0.31	0.611	O	|	|	|	0.86
32.083	0.00	0.31	0.609	O	|	|	|	0.86
32.167	0.00	0.31	0.607	O	|	|	|	0.85
32.250	0.00	0.31	0.605	O	|	|	|	0.85
32.333	0.00	0.31	0.603	O	|	|	|	0.85
32.417	0.00	0.30	0.601	O	|	|	|	0.85
32.500	0.00	0.30	0.599	O	|	|	|	0.84
32.583	0.00	0.30	0.597	O	|	|	|	0.84
32.667	0.00	0.30	0.594	O	|	|	|	0.84
32.750	0.00	0.30	0.592	O	|	|	|	0.83
32.833	0.00	0.30	0.590	O	|	|	|	0.83
32.917	0.00	0.30	0.588	O	|	|	|	0.83
33.000	0.00	0.30	0.586	O	|	|	|	0.83
33.083	0.00	0.30	0.584	O	|	|	|	0.82
33.167	0.00	0.30	0.582	O	|	|	|	0.82
33.250	0.00	0.29	0.580	O	|	|	|	0.82
33.333	0.00	0.29	0.578	O	|	|	|	0.81
33.417	0.00	0.29	0.576	O	|	|	|	0.81
33.500	0.00	0.29	0.574	O	|	|	|	0.81
33.583	0.00	0.29	0.572	O	|	|	|	0.81
33.667	0.00	0.29	0.570	O	|	|	|	0.80
33.750	0.00	0.29	0.568	O	|	|	|	0.80
33.833	0.00	0.29	0.566	O	|	|	|	0.80
33.917	0.00	0.29	0.564	O	|	|	|	0.79

34.000	0.00	0.29	0.562	O	|	|	|	0.79
34.083	0.00	0.28	0.560	O	|	|	|	0.79
34.167	0.00	0.28	0.558	O	|	|	|	0.79
34.250	0.00	0.28	0.556	O	|	|	|	0.78
34.333	0.00	0.28	0.554	O	|	|	|	0.78
34.417	0.00	0.28	0.552	O	|	|	|	0.78
34.500	0.00	0.28	0.550	O	|	|	|	0.78
34.583	0.00	0.28	0.549	O	|	|	|	0.77
34.667	0.00	0.28	0.547	O	|	|	|	0.77
34.750	0.00	0.28	0.545	O	|	|	|	0.77
34.833	0.00	0.28	0.543	O	|	|	|	0.76
34.917	0.00	0.27	0.541	O	|	|	|	0.76
35.000	0.00	0.27	0.539	O	|	|	|	0.76
35.083	0.00	0.27	0.537	O	|	|	|	0.76
35.167	0.00	0.27	0.535	O	|	|	|	0.75
35.250	0.00	0.27	0.533	O	|	|	|	0.75
35.333	0.00	0.27	0.532	O	|	|	|	0.75
35.417	0.00	0.27	0.530	O	|	|	|	0.75
35.500	0.00	0.27	0.528	O	|	|	|	0.74
35.583	0.00	0.27	0.526	O	|	|	|	0.74
35.667	0.00	0.27	0.524	O	|	|	|	0.74
35.750	0.00	0.26	0.522	O	|	|	|	0.74
35.833	0.00	0.26	0.521	O	|	|	|	0.73
35.917	0.00	0.26	0.519	O	|	|	|	0.73
36.000	0.00	0.26	0.517	O	|	|	|	0.73
36.083	0.00	0.26	0.515	O	|	|	|	0.73
36.167	0.00	0.26	0.513	O	|	|	|	0.72
36.250	0.00	0.26	0.512	O	|	|	|	0.72
36.333	0.00	0.26	0.510	O	|	|	|	0.72
36.417	0.00	0.26	0.508	O	|	|	|	0.72
36.500	0.00	0.26	0.506	O	|	|	|	0.71
36.583	0.00	0.26	0.504	O	|	|	|	0.71
36.667	0.00	0.25	0.503	O	|	|	|	0.71
36.750	0.00	0.25	0.501	O	|	|	|	0.71
36.833	0.00	0.25	0.499	O	|	|	|	0.70
36.917	0.00	0.25	0.497	O	|	|	|	0.70
37.000	0.00	0.25	0.496	O	|	|	|	0.70
37.083	0.00	0.25	0.494	O	|	|	|	0.70
37.167	0.00	0.25	0.492	O	|	|	|	0.69
37.250	0.00	0.25	0.491	O	|	|	|	0.69
37.333	0.00	0.25	0.489	O	|	|	|	0.69
37.417	0.00	0.25	0.487	O	|	|	|	0.69
37.500	0.00	0.25	0.485	O	|	|	|	0.68
37.583	0.00	0.25	0.484	O	|	|	|	0.68
37.667	0.00	0.24	0.482	O	|	|	|	0.68
37.750	0.00	0.24	0.480	O	|	|	|	0.68
37.833	0.00	0.24	0.479	O	|	|	|	0.67
37.917	0.00	0.24	0.477	O	|	|	|	0.67
38.000	0.00	0.24	0.475	O	|	|	|	0.67
38.083	0.00	0.24	0.474	O	|	|	|	0.67
38.167	0.00	0.24	0.472	O	|	|	|	0.66
38.250	0.00	0.24	0.470	O	|	|	|	0.66
38.333	0.00	0.24	0.469	O	|	|	|	0.66
38.417	0.00	0.24	0.467	O	|	|	|	0.66
38.500	0.00	0.24	0.466	O	|	|	|	0.66
38.583	0.00	0.24	0.464	O	|	|	|	0.65
38.667	0.00	0.23	0.462	O	|	|	|	0.65
38.750	0.00	0.23	0.461	O	|	|	|	0.65
38.833	0.00	0.23	0.459	O	|	|	|	0.65
38.917	0.00	0.23	0.457	O	|	|	|	0.64
39.000	0.00	0.23	0.456	O	|	|	|	0.64
39.083	0.00	0.23	0.454	O	|	|	|	0.64
39.167	0.00	0.23	0.453	O	|	|	|	0.64
39.250	0.00	0.23	0.451	O	|	|	|	0.64
39.333	0.00	0.23	0.450	O	|	|	|	0.63
39.417	0.00	0.23	0.448	O	|	|	|	0.63
39.500	0.00	0.23	0.446	O	|	|	|	0.63

39.583	0.00	0.23	0.445	O	|	|	|	|	0.63
39.667	0.00	0.22	0.443	O	|	|	|	|	0.62
39.750	0.00	0.22	0.442	O	|	|	|	|	0.62
39.833	0.00	0.22	0.440	O	|	|	|	|	0.62
39.917	0.00	0.22	0.439	O	|	|	|	|	0.62
40.000	0.00	0.22	0.437	O	|	|	|	|	0.62
40.083	0.00	0.22	0.436	O	|	|	|	|	0.61
40.167	0.00	0.22	0.434	O	|	|	|	|	0.61
40.250	0.00	0.22	0.433	O	|	|	|	|	0.61
40.333	0.00	0.22	0.431	O	|	|	|	|	0.61
40.417	0.00	0.22	0.430	O	|	|	|	|	0.61
40.500	0.00	0.22	0.428	O	|	|	|	|	0.60
40.583	0.00	0.22	0.427	O	|	|	|	|	0.60
40.667	0.00	0.22	0.425	O	|	|	|	|	0.60
40.750	0.00	0.21	0.424	O	|	|	|	|	0.60
40.833	0.00	0.21	0.422	O	|	|	|	|	0.59
40.917	0.00	0.21	0.421	O	|	|	|	|	0.59
41.000	0.00	0.21	0.419	O	|	|	|	|	0.59
41.083	0.00	0.21	0.418	O	|	|	|	|	0.59
41.167	0.00	0.21	0.416	O	|	|	|	|	0.59
41.250	0.00	0.21	0.415	O	|	|	|	|	0.58
41.333	0.00	0.21	0.413	O	|	|	|	|	0.58
41.417	0.00	0.21	0.412	O	|	|	|	|	0.58
41.500	0.00	0.21	0.411	O	|	|	|	|	0.58
41.583	0.00	0.21	0.409	O	|	|	|	|	0.58
41.667	0.00	0.21	0.408	O	|	|	|	|	0.57
41.750	0.00	0.21	0.406	O	|	|	|	|	0.57
41.833	0.00	0.21	0.405	O	|	|	|	|	0.57
41.917	0.00	0.20	0.403	O	|	|	|	|	0.57
42.000	0.00	0.20	0.402	O	|	|	|	|	0.57
42.083	0.00	0.20	0.401	O	|	|	|	|	0.56
42.167	0.00	0.20	0.399	O	|	|	|	|	0.56
42.250	0.00	0.20	0.398	O	|	|	|	|	0.56
42.333	0.00	0.20	0.396	O	|	|	|	|	0.56
42.417	0.00	0.20	0.395	O	|	|	|	|	0.56
42.500	0.00	0.20	0.394	O	|	|	|	|	0.55
42.583	0.00	0.20	0.392	O	|	|	|	|	0.55
42.667	0.00	0.20	0.391	O	|	|	|	|	0.55
42.750	0.00	0.20	0.390	O	|	|	|	|	0.55
42.833	0.00	0.20	0.388	O	|	|	|	|	0.55
42.917	0.00	0.20	0.387	O	|	|	|	|	0.54
43.000	0.00	0.20	0.386	O	|	|	|	|	0.54
43.083	0.00	0.19	0.384	O	|	|	|	|	0.54
43.167	0.00	0.19	0.383	O	|	|	|	|	0.54
43.250	0.00	0.19	0.382	O	|	|	|	|	0.54
43.333	0.00	0.19	0.380	O	|	|	|	|	0.54
43.417	0.00	0.19	0.379	O	|	|	|	|	0.53
43.500	0.00	0.19	0.378	O	|	|	|	|	0.53
43.583	0.00	0.19	0.376	O	|	|	|	|	0.53
43.667	0.00	0.19	0.375	O	|	|	|	|	0.53
43.750	0.00	0.19	0.374	O	|	|	|	|	0.53
43.833	0.00	0.19	0.372	O	|	|	|	|	0.52
43.917	0.00	0.19	0.371	O	|	|	|	|	0.52
44.000	0.00	0.19	0.370	O	|	|	|	|	0.52
44.083	0.00	0.19	0.368	O	|	|	|	|	0.52
44.167	0.00	0.19	0.367	O	|	|	|	|	0.52
44.250	0.00	0.19	0.366	O	|	|	|	|	0.52
44.333	0.00	0.18	0.365	O	|	|	|	|	0.51
44.417	0.00	0.18	0.363	O	|	|	|	|	0.51
44.500	0.00	0.18	0.362	O	|	|	|	|	0.51
44.583	0.00	0.18	0.361	O	|	|	|	|	0.51
44.667	0.00	0.18	0.360	O	|	|	|	|	0.51
44.750	0.00	0.18	0.358	O	|	|	|	|	0.50
44.833	0.00	0.18	0.357	O	|	|	|	|	0.50
44.917	0.00	0.18	0.356	O	|	|	|	|	0.50
45.000	0.00	0.18	0.355	O	|	|	|	|	0.50
45.083	0.00	0.18	0.353	O	|	|	|	|	0.50

45.167	0.00	0.18	0.352	O	|	|	|	0.50
45.250	0.00	0.18	0.351	O	|	|	|	0.49
45.333	0.00	0.18	0.350	O	|	|	|	0.49
45.417	0.00	0.18	0.348	O	|	|	|	0.49
45.500	0.00	0.18	0.347	O	|	|	|	0.49
45.583	0.00	0.18	0.346	O	|	|	|	0.49
45.667	0.00	0.17	0.345	O	|	|	|	0.49
45.750	0.00	0.17	0.344	O	|	|	|	0.48
45.833	0.00	0.17	0.342	O	|	|	|	0.48
45.917	0.00	0.17	0.341	O	|	|	|	0.48
46.000	0.00	0.17	0.340	O	|	|	|	0.48
46.083	0.00	0.17	0.339	O	|	|	|	0.48
46.167	0.00	0.17	0.338	O	|	|	|	0.48
46.250	0.00	0.17	0.336	O	|	|	|	0.47
46.333	0.00	0.17	0.335	O	|	|	|	0.47
46.417	0.00	0.17	0.334	O	|	|	|	0.47
46.500	0.00	0.17	0.333	O	|	|	|	0.47
46.583	0.00	0.17	0.332	O	|	|	|	0.47
46.667	0.00	0.17	0.331	O	|	|	|	0.47
46.750	0.00	0.17	0.329	O	|	|	|	0.46
46.833	0.00	0.17	0.328	O	|	|	|	0.46
46.917	0.00	0.17	0.327	O	|	|	|	0.46
47.000	0.00	0.17	0.326	O	|	|	|	0.46
47.083	0.00	0.16	0.325	O	|	|	|	0.46
47.167	0.00	0.16	0.324	O	|	|	|	0.46
47.250	0.00	0.16	0.323	O	|	|	|	0.45
47.333	0.00	0.16	0.322	O	|	|	|	0.45
47.417	0.00	0.16	0.320	O	|	|	|	0.45
47.500	0.00	0.16	0.319	O	|	|	|	0.45
47.583	0.00	0.16	0.318	O	|	|	|	0.45
47.667	0.00	0.16	0.317	O	|	|	|	0.45
47.750	0.00	0.16	0.316	O	|	|	|	0.44
47.833	0.00	0.16	0.315	O	|	|	|	0.44
47.917	0.00	0.16	0.314	O	|	|	|	0.44
48.000	0.00	0.16	0.313	O	|	|	|	0.44
48.083	0.00	0.16	0.312	O	|	|	|	0.44
48.167	0.00	0.16	0.310	O	|	|	|	0.44
48.250	0.00	0.16	0.309	O	|	|	|	0.44
48.333	0.00	0.16	0.308	O	|	|	|	0.43
48.417	0.00	0.16	0.307	O	|	|	|	0.43
48.500	0.00	0.16	0.306	O	|	|	|	0.43
48.583	0.00	0.15	0.305	O	|	|	|	0.43
48.667	0.00	0.15	0.304	O	|	|	|	0.43
48.750	0.00	0.15	0.303	O	|	|	|	0.43
48.833	0.00	0.15	0.302	O	|	|	|	0.43
48.917	0.00	0.15	0.301	O	|	|	|	0.42
49.000	0.00	0.15	0.300	O	|	|	|	0.42
49.083	0.00	0.15	0.299	O	|	|	|	0.42
49.167	0.00	0.15	0.298	O	|	|	|	0.42
49.250	0.00	0.15	0.297	O	|	|	|	0.42
49.333	0.00	0.15	0.296	O	|	|	|	0.42
49.417	0.00	0.15	0.295	O	|	|	|	0.41
49.500	0.00	0.15	0.294	O	|	|	|	0.41
49.583	0.00	0.15	0.293	O	|	|	|	0.41
49.667	0.00	0.15	0.292	O	|	|	|	0.41
49.750	0.00	0.15	0.291	O	|	|	|	0.41
49.833	0.00	0.15	0.290	O	|	|	|	0.41
49.917	0.00	0.15	0.289	O	|	|	|	0.41
50.000	0.00	0.15	0.288	O	|	|	|	0.40
50.083	0.00	0.15	0.287	O	|	|	|	0.40
50.167	0.00	0.14	0.286	O	|	|	|	0.40
50.250	0.00	0.14	0.285	O	|	|	|	0.40
50.333	0.00	0.14	0.284	O	|	|	|	0.40
50.417	0.00	0.14	0.283	O	|	|	|	0.40
50.500	0.00	0.14	0.282	O	|	|	|	0.40
50.583	0.00	0.14	0.281	O	|	|	|	0.40
50.667	0.00	0.14	0.280	O	|	|	|	0.39

50.750	0.00	0.14	0.279	O	|	|	|	|	0.39
50.833	0.00	0.14	0.278	O	|	|	|	|	0.39
50.917	0.00	0.14	0.277	O	|	|	|	|	0.39
51.000	0.00	0.14	0.276	O	|	|	|	|	0.39
51.083	0.00	0.14	0.275	O	|	|	|	|	0.39
51.167	0.00	0.14	0.274	O	|	|	|	|	0.39
51.250	0.00	0.14	0.273	O	|	|	|	|	0.38
51.333	0.00	0.14	0.272	O	|	|	|	|	0.38
51.417	0.00	0.14	0.271	O	|	|	|	|	0.38
51.500	0.00	0.14	0.270	O	|	|	|	|	0.38
51.583	0.00	0.14	0.269	O	|	|	|	|	0.38
51.667	0.00	0.14	0.268	O	|	|	|	|	0.38
51.750	0.00	0.14	0.267	O	|	|	|	|	0.38
51.833	0.00	0.14	0.266	O	|	|	|	|	0.38
51.917	0.00	0.13	0.265	O	|	|	|	|	0.37
52.000	0.00	0.13	0.264	O	|	|	|	|	0.37
52.083	0.00	0.13	0.263	O	|	|	|	|	0.37
52.167	0.00	0.13	0.263	O	|	|	|	|	0.37
52.250	0.00	0.13	0.262	O	|	|	|	|	0.37
52.333	0.00	0.13	0.261	O	|	|	|	|	0.37
52.417	0.00	0.13	0.260	O	|	|	|	|	0.37
52.500	0.00	0.13	0.259	O	|	|	|	|	0.36
52.583	0.00	0.13	0.258	O	|	|	|	|	0.36
52.667	0.00	0.13	0.257	O	|	|	|	|	0.36
52.750	0.00	0.13	0.256	O	|	|	|	|	0.36
52.833	0.00	0.13	0.255	O	|	|	|	|	0.36
52.917	0.00	0.13	0.254	O	|	|	|	|	0.36
53.000	0.00	0.13	0.254	O	|	|	|	|	0.36
53.083	0.00	0.13	0.253	O	|	|	|	|	0.36
53.167	0.00	0.13	0.252	O	|	|	|	|	0.35
53.250	0.00	0.13	0.251	O	|	|	|	|	0.35
53.333	0.00	0.13	0.250	O	|	|	|	|	0.35
53.417	0.00	0.13	0.249	O	|	|	|	|	0.35
53.500	0.00	0.13	0.248	O	|	|	|	|	0.35
53.583	0.00	0.13	0.247	O	|	|	|	|	0.35
53.667	0.00	0.13	0.247	O	|	|	|	|	0.35
53.750	0.00	0.12	0.246	O	|	|	|	|	0.35
53.833	0.00	0.12	0.245	O	|	|	|	|	0.34
53.917	0.00	0.12	0.244	O	|	|	|	|	0.34
54.000	0.00	0.12	0.243	O	|	|	|	|	0.34
54.083	0.00	0.12	0.242	O	|	|	|	|	0.34
54.167	0.00	0.12	0.241	O	|	|	|	|	0.34
54.250	0.00	0.12	0.241	O	|	|	|	|	0.34
54.333	0.00	0.12	0.240	O	|	|	|	|	0.34
54.417	0.00	0.12	0.239	O	|	|	|	|	0.34
54.500	0.00	0.12	0.238	O	|	|	|	|	0.34
54.583	0.00	0.12	0.237	O	|	|	|	|	0.33
54.667	0.00	0.12	0.236	O	|	|	|	|	0.33
54.750	0.00	0.12	0.236	O	|	|	|	|	0.33
54.833	0.00	0.12	0.235	O	|	|	|	|	0.33
54.917	0.00	0.12	0.234	O	|	|	|	|	0.33
55.000	0.00	0.12	0.233	O	|	|	|	|	0.33
55.083	0.00	0.12	0.232	O	|	|	|	|	0.33
55.167	0.00	0.12	0.232	O	|	|	|	|	0.33
55.250	0.00	0.12	0.231	O	|	|	|	|	0.32
55.333	0.00	0.12	0.230	O	|	|	|	|	0.32
55.417	0.00	0.12	0.229	O	|	|	|	|	0.32
55.500	0.00	0.12	0.228	O	|	|	|	|	0.32
55.583	0.00	0.12	0.228	O	|	|	|	|	0.32
55.667	0.00	0.11	0.227	O	|	|	|	|	0.32
55.750	0.00	0.11	0.226	O	|	|	|	|	0.32
55.833	0.00	0.11	0.225	O	|	|	|	|	0.32
55.917	0.00	0.11	0.224	O	|	|	|	|	0.32
56.000	0.00	0.11	0.224	O	|	|	|	|	0.31
56.083	0.00	0.11	0.223	O	|	|	|	|	0.31
56.167	0.00	0.11	0.222	O	|	|	|	|	0.31
56.250	0.00	0.11	0.221	O	|	|	|	|	0.31

56.333	0.00	0.11	0.220	O	|	|	|	|	0.31
56.417	0.00	0.11	0.220	O	|	|	|	|	0.31
56.500	0.00	0.11	0.219	O	|	|	|	|	0.31
56.583	0.00	0.11	0.218	O	|	|	|	|	0.31
56.667	0.00	0.11	0.217	O	|	|	|	|	0.31
56.750	0.00	0.11	0.217	O	|	|	|	|	0.31
56.833	0.00	0.11	0.216	O	|	|	|	|	0.30
56.917	0.00	0.11	0.215	O	|	|	|	|	0.30
57.000	0.00	0.11	0.214	O	|	|	|	|	0.30
57.083	0.00	0.11	0.214	O	|	|	|	|	0.30
57.167	0.00	0.11	0.213	O	|	|	|	|	0.30
57.250	0.00	0.11	0.212	O	|	|	|	|	0.30
57.333	0.00	0.11	0.211	O	|	|	|	|	0.30
57.417	0.00	0.11	0.211	O	|	|	|	|	0.30
57.500	0.00	0.11	0.210	O	|	|	|	|	0.30
57.583	0.00	0.11	0.209	O	|	|	|	|	0.29
57.667	0.00	0.11	0.209	O	|	|	|	|	0.29
57.750	0.00	0.11	0.208	O	|	|	|	|	0.29
57.833	0.00	0.10	0.207	O	|	|	|	|	0.29
57.917	0.00	0.10	0.206	O	|	|	|	|	0.29
58.000	0.00	0.10	0.206	O	|	|	|	|	0.29
58.083	0.00	0.10	0.205	O	|	|	|	|	0.29
58.167	0.00	0.10	0.204	O	|	|	|	|	0.29
58.250	0.00	0.10	0.203	O	|	|	|	|	0.29
58.333	0.00	0.10	0.203	O	|	|	|	|	0.29
58.417	0.00	0.10	0.202	O	|	|	|	|	0.28
58.500	0.00	0.10	0.201	O	|	|	|	|	0.28
58.583	0.00	0.10	0.201	O	|	|	|	|	0.28
58.667	0.00	0.10	0.200	O	|	|	|	|	0.28
58.750	0.00	0.10	0.199	O	|	|	|	|	0.28
58.833	0.00	0.10	0.199	O	|	|	|	|	0.28
58.917	0.00	0.10	0.198	O	|	|	|	|	0.28
59.000	0.00	0.10	0.197	O	|	|	|	|	0.28
59.083	0.00	0.10	0.196	O	|	|	|	|	0.28
59.167	0.00	0.10	0.196	O	|	|	|	|	0.28
59.250	0.00	0.10	0.195	O	|	|	|	|	0.27
59.333	0.00	0.10	0.194	O	|	|	|	|	0.27
59.417	0.00	0.10	0.194	O	|	|	|	|	0.27
59.500	0.00	0.10	0.193	O	|	|	|	|	0.27
59.583	0.00	0.10	0.192	O	|	|	|	|	0.27
59.667	0.00	0.10	0.192	O	|	|	|	|	0.27
59.750	0.00	0.10	0.191	O	|	|	|	|	0.27
59.833	0.00	0.10	0.190	O	|	|	|	|	0.27
59.917	0.00	0.10	0.190	O	|	|	|	|	0.27
60.000	0.00	0.10	0.189	O	|	|	|	|	0.27
60.083	0.00	0.10	0.188	O	|	|	|	|	0.27
60.167	0.00	0.10	0.188	O	|	|	|	|	0.26
60.250	0.00	0.09	0.187	O	|	|	|	|	0.26
60.333	0.00	0.09	0.186	O	|	|	|	|	0.26
60.417	0.00	0.09	0.186	O	|	|	|	|	0.26
60.500	0.00	0.09	0.185	O	|	|	|	|	0.26
60.583	0.00	0.09	0.185	O	|	|	|	|	0.26
60.667	0.00	0.09	0.184	O	|	|	|	|	0.26
60.750	0.00	0.09	0.183	O	|	|	|	|	0.26
60.833	0.00	0.09	0.183	O	|	|	|	|	0.26
60.917	0.00	0.09	0.182	O	|	|	|	|	0.26
61.000	0.00	0.09	0.181	O	|	|	|	|	0.26
61.083	0.00	0.09	0.181	O	|	|	|	|	0.25
61.167	0.00	0.09	0.180	O	|	|	|	|	0.25
61.250	0.00	0.09	0.179	O	|	|	|	|	0.25
61.333	0.00	0.09	0.179	O	|	|	|	|	0.25
61.417	0.00	0.09	0.178	O	|	|	|	|	0.25
61.500	0.00	0.09	0.178	O	|	|	|	|	0.25
61.583	0.00	0.09	0.177	O	|	|	|	|	0.25
61.667	0.00	0.09	0.176	O	|	|	|	|	0.25
61.750	0.00	0.09	0.176	O	|	|	|	|	0.25
61.833	0.00	0.09	0.175	O	|	|	|	|	0.25

61.917	0.00	0.09	0.174	O					0.25
62.000	0.00	0.09	0.174	O					0.24
62.083	0.00	0.09	0.173	O					0.24
62.167	0.00	0.09	0.173	O					0.24
62.250	0.00	0.09	0.172	O					0.24
62.333	0.00	0.09	0.171	O					0.24
62.417	0.00	0.09	0.171	O					0.24
62.500	0.00	0.09	0.170	O					0.24
62.583	0.00	0.09	0.170	O					0.24
62.667	0.00	0.09	0.169	O					0.24
62.750	0.00	0.09	0.169	O					0.24
62.833	0.00	0.09	0.168	O					0.24
62.917	0.00	0.08	0.167	O					0.24
63.000	0.00	0.08	0.167	O					0.23
63.083	0.00	0.08	0.166	O					0.23
63.167	0.00	0.08	0.166	O					0.23
63.250	0.00	0.08	0.165	O					0.23
63.333	0.00	0.08	0.164	O					0.23
63.417	0.00	0.08	0.164	O					0.23
63.500	0.00	0.08	0.163	O					0.23
63.583	0.00	0.08	0.163	O					0.23
63.667	0.00	0.08	0.162	O					0.23
63.750	0.00	0.08	0.162	O					0.23
63.833	0.00	0.08	0.161	O					0.23
63.917	0.00	0.08	0.160	O					0.23
64.000	0.00	0.08	0.160	O					0.23
64.083	0.00	0.08	0.159	O					0.22
64.167	0.00	0.08	0.159	O					0.22
64.250	0.00	0.08	0.158	O					0.22
64.333	0.00	0.08	0.158	O					0.22
64.417	0.00	0.08	0.157	O					0.22
64.500	0.00	0.08	0.157	O					0.22
64.583	0.00	0.08	0.156	O					0.22
64.667	0.00	0.08	0.156	O					0.22
64.750	0.00	0.08	0.155	O					0.22
64.833	0.00	0.08	0.154	O					0.22
64.917	0.00	0.08	0.154	O					0.22
65.000	0.00	0.08	0.153	O					0.22
65.083	0.00	0.08	0.153	O					0.22
65.167	0.00	0.08	0.152	O					0.21
65.250	0.00	0.08	0.152	O					0.21
65.333	0.00	0.08	0.151	O					0.21
65.417	0.00	0.08	0.151	O					0.21
65.500	0.00	0.08	0.150	O					0.21
65.583	0.00	0.08	0.150	O					0.21
65.667	0.00	0.08	0.149	O					0.21
65.750	0.00	0.08	0.149	O					0.21
65.833	0.00	0.08	0.148	O					0.21
65.917	0.00	0.07	0.148	O					0.21
66.000	0.00	0.07	0.147	O					0.21
66.083	0.00	0.07	0.147	O					0.21
66.167	0.00	0.07	0.146	O					0.21
66.250	0.00	0.07	0.146	O					0.20
66.333	0.00	0.07	0.145	O					0.20
66.417	0.00	0.07	0.145	O					0.20
66.500	0.00	0.07	0.144	O					0.20
66.583	0.00	0.07	0.144	O					0.20
66.667	0.00	0.07	0.143	O					0.20
66.750	0.00	0.07	0.143	O					0.20
66.833	0.00	0.07	0.142	O					0.20
66.917	0.00	0.07	0.142	O					0.20
67.000	0.00	0.07	0.141	O					0.20
67.083	0.00	0.07	0.141	O					0.20
67.167	0.00	0.07	0.140	O					0.20
67.250	0.00	0.07	0.140	O					0.20
67.333	0.00	0.07	0.139	O					0.20
67.417	0.00	0.07	0.139	O					0.20

67.500	0.00	0.07	0.138	O	|	|	|	|	0.19
67.583	0.00	0.07	0.138	O	|	|	|	|	0.19
67.667	0.00	0.07	0.137	O	|	|	|	|	0.19
67.750	0.00	0.07	0.137	O	|	|	|	|	0.19
67.833	0.00	0.07	0.136	O	|	|	|	|	0.19
67.917	0.00	0.07	0.136	O	|	|	|	|	0.19
68.000	0.00	0.07	0.135	O	|	|	|	|	0.19
68.083	0.00	0.07	0.135	O	|	|	|	|	0.19
68.167	0.00	0.07	0.134	O	|	|	|	|	0.19
68.250	0.00	0.07	0.134	O	|	|	|	|	0.19
68.333	0.00	0.07	0.133	O	|	|	|	|	0.19
68.417	0.00	0.07	0.133	O	|	|	|	|	0.19
68.500	0.00	0.07	0.132	O	|	|	|	|	0.19
68.583	0.00	0.07	0.132	O	|	|	|	|	0.19
68.667	0.00	0.07	0.132	O	|	|	|	|	0.19
68.750	0.00	0.07	0.131	O	|	|	|	|	0.18
68.833	0.00	0.07	0.131	O	|	|	|	|	0.18
68.917	0.00	0.07	0.130	O	|	|	|	|	0.18
69.000	0.00	0.07	0.130	O	|	|	|	|	0.18
69.083	0.00	0.07	0.129	O	|	|	|	|	0.18
69.167	0.00	0.07	0.129	O	|	|	|	|	0.18
69.250	0.00	0.07	0.128	O	|	|	|	|	0.18
69.333	0.00	0.06	0.128	O	|	|	|	|	0.18
69.417	0.00	0.06	0.127	O	|	|	|	|	0.18
69.500	0.00	0.06	0.127	O	|	|	|	|	0.18
69.583	0.00	0.06	0.127	O	|	|	|	|	0.18
69.667	0.00	0.06	0.126	O	|	|	|	|	0.18
69.750	0.00	0.06	0.126	O	|	|	|	|	0.18
69.833	0.00	0.06	0.125	O	|	|	|	|	0.18
69.917	0.00	0.06	0.125	O	|	|	|	|	0.18
70.000	0.00	0.06	0.124	O	|	|	|	|	0.18
70.083	0.00	0.06	0.124	O	|	|	|	|	0.17
70.167	0.00	0.06	0.123	O	|	|	|	|	0.17
70.250	0.00	0.06	0.123	O	|	|	|	|	0.17
70.333	0.00	0.06	0.123	O	|	|	|	|	0.17
70.417	0.00	0.06	0.122	O	|	|	|	|	0.17
70.500	0.00	0.06	0.122	O	|	|	|	|	0.17
70.583	0.00	0.06	0.121	O	|	|	|	|	0.17
70.667	0.00	0.06	0.121	O	|	|	|	|	0.17
70.750	0.00	0.06	0.121	O	|	|	|	|	0.17
70.833	0.00	0.06	0.120	O	|	|	|	|	0.17
70.917	0.00	0.06	0.120	O	|	|	|	|	0.17
71.000	0.00	0.06	0.119	O	|	|	|	|	0.17
71.083	0.00	0.06	0.119	O	|	|	|	|	0.17
71.167	0.00	0.06	0.118	O	|	|	|	|	0.17
71.250	0.00	0.06	0.118	O	|	|	|	|	0.17
71.333	0.00	0.06	0.118	O	|	|	|	|	0.17
71.417	0.00	0.06	0.117	O	|	|	|	|	0.17
71.500	0.00	0.06	0.117	O	|	|	|	|	0.16
71.583	0.00	0.06	0.116	O	|	|	|	|	0.16
71.667	0.00	0.06	0.116	O	|	|	|	|	0.16
71.750	0.00	0.06	0.116	O	|	|	|	|	0.16
71.833	0.00	0.06	0.115	O	|	|	|	|	0.16
71.917	0.00	0.06	0.115	O	|	|	|	|	0.16
72.000	0.00	0.06	0.114	O	|	|	|	|	0.16
72.083	0.00	0.06	0.114	O	|	|	|	|	0.16
72.167	0.00	0.06	0.114	O	|	|	|	|	0.16
72.250	0.00	0.06	0.113	O	|	|	|	|	0.16
72.333	0.00	0.06	0.113	O	|	|	|	|	0.16
72.417	0.00	0.06	0.112	O	|	|	|	|	0.16
72.500	0.00	0.06	0.112	O	|	|	|	|	0.16
72.583	0.00	0.06	0.112	O	|	|	|	|	0.16
72.667	0.00	0.06	0.111	O	|	|	|	|	0.16
72.750	0.00	0.06	0.111	O	|	|	|	|	0.16
72.833	0.00	0.06	0.110	O	|	|	|	|	0.16
72.917	0.00	0.06	0.110	O	|	|	|	|	0.16
73.000	0.00	0.06	0.110	O	|	|	|	|	0.15

73.083	0.00	0.06	0.109	O					0.15
73.167	0.00	0.06	0.109	O					0.15
73.250	0.00	0.06	0.109	O					0.15
73.333	0.00	0.05	0.108	O					0.15
73.417	0.00	0.05	0.108	O					0.15
73.500	0.00	0.05	0.107	O					0.15
73.583	0.00	0.05	0.107	O					0.15
73.667	0.00	0.05	0.107	O					0.15
73.750	0.00	0.05	0.106	O					0.15
73.833	0.00	0.05	0.106	O					0.15
73.917	0.00	0.05	0.106	O					0.15
74.000	0.00	0.05	0.105	O					0.15
74.083	0.00	0.05	0.105	O					0.15
74.167	0.00	0.05	0.104	O					0.15
74.250	0.00	0.05	0.104	O					0.15
74.333	0.00	0.05	0.104	O					0.15
74.417	0.00	0.05	0.103	O					0.15
74.500	0.00	0.05	0.103	O					0.15
74.583	0.00	0.05	0.103	O					0.14
74.667	0.00	0.05	0.102	O					0.14
74.750	0.00	0.05	0.102	O					0.14
74.833	0.00	0.05	0.102	O					0.14
74.917	0.00	0.05	0.101	O					0.14
75.000	0.00	0.05	0.101	O					0.14
75.083	0.00	0.05	0.101	O					0.14
75.167	0.00	0.05	0.100	O					0.14
75.250	0.00	0.05	0.100	O					0.14
75.333	0.00	0.05	0.099	O					0.14
75.417	0.00	0.05	0.099	O					0.14
75.500	0.00	0.05	0.099	O					0.14
75.583	0.00	0.05	0.098	O					0.14
75.667	0.00	0.05	0.098	O					0.14
75.750	0.00	0.05	0.098	O					0.14
75.833	0.00	0.05	0.097	O					0.14
75.917	0.00	0.05	0.097	O					0.14
76.000	0.00	0.05	0.097	O					0.14
76.083	0.00	0.05	0.096	O					0.14
76.167	0.00	0.05	0.096	O					0.14
76.250	0.00	0.05	0.096	O					0.13
76.333	0.00	0.05	0.095	O					0.13
76.417	0.00	0.05	0.095	O					0.13
76.500	0.00	0.05	0.095	O					0.13
76.583	0.00	0.05	0.094	O					0.13
76.667	0.00	0.05	0.094	O					0.13
76.750	0.00	0.05	0.094	O					0.13
76.833	0.00	0.05	0.093	O					0.13
76.917	0.00	0.05	0.093	O					0.13
77.000	0.00	0.05	0.093	O					0.13
77.083	0.00	0.05	0.092	O					0.13
77.167	0.00	0.05	0.092	O					0.13
77.250	0.00	0.05	0.092	O					0.13
77.333	0.00	0.05	0.091	O					0.13
77.417	0.00	0.05	0.091	O					0.13
77.500	0.00	0.05	0.091	O					0.13
77.583	0.00	0.05	0.091	O					0.13
77.667	0.00	0.05	0.090	O					0.13
77.750	0.00	0.05	0.090	O					0.13
77.833	0.00	0.05	0.090	O					0.13
77.917	0.00	0.05	0.089	O					0.13
78.000	0.00	0.05	0.089	O					0.13
78.083	0.00	0.04	0.089	O					0.12
78.167	0.00	0.04	0.088	O					0.12
78.250	0.00	0.04	0.088	O					0.12
78.333	0.00	0.04	0.088	O					0.12
78.417	0.00	0.04	0.087	O					0.12
78.500	0.00	0.04	0.087	O					0.12
78.583	0.00	0.04	0.087	O					0.12

78.667	0.00	0.04	0.086	O	|	|	|	|	0.12
78.750	0.00	0.04	0.086	O	|	|	|	|	0.12
78.833	0.00	0.04	0.086	O	|	|	|	|	0.12
78.917	0.00	0.04	0.086	O	|	|	|	|	0.12
79.000	0.00	0.04	0.085	O	|	|	|	|	0.12
79.083	0.00	0.04	0.085	O	|	|	|	|	0.12
79.167	0.00	0.04	0.085	O	|	|	|	|	0.12
79.250	0.00	0.04	0.084	O	|	|	|	|	0.12
79.333	0.00	0.04	0.084	O	|	|	|	|	0.12
79.417	0.00	0.04	0.084	O	|	|	|	|	0.12
79.500	0.00	0.04	0.084	O	|	|	|	|	0.12
79.583	0.00	0.04	0.083	O	|	|	|	|	0.12
79.667	0.00	0.04	0.083	O	|	|	|	|	0.12
79.750	0.00	0.04	0.083	O	|	|	|	|	0.12
79.833	0.00	0.04	0.082	O	|	|	|	|	0.12
79.917	0.00	0.04	0.082	O	|	|	|	|	0.12
80.000	0.00	0.04	0.082	O	|	|	|	|	0.12
80.083	0.00	0.04	0.082	O	|	|	|	|	0.11
80.167	0.00	0.04	0.081	O	|	|	|	|	0.11
80.250	0.00	0.04	0.081	O	|	|	|	|	0.11
80.333	0.00	0.04	0.081	O	|	|	|	|	0.11
80.417	0.00	0.04	0.080	O	|	|	|	|	0.11
80.500	0.00	0.04	0.080	O	|	|	|	|	0.11
80.583	0.00	0.04	0.080	O	|	|	|	|	0.11
80.667	0.00	0.04	0.080	O	|	|	|	|	0.11
80.750	0.00	0.04	0.079	O	|	|	|	|	0.11
80.833	0.00	0.04	0.079	O	|	|	|	|	0.11
80.917	0.00	0.04	0.079	O	|	|	|	|	0.11
81.000	0.00	0.04	0.078	O	|	|	|	|	0.11
81.083	0.00	0.04	0.078	O	|	|	|	|	0.11
81.167	0.00	0.04	0.078	O	|	|	|	|	0.11
81.250	0.00	0.04	0.078	O	|	|	|	|	0.11
81.333	0.00	0.04	0.077	O	|	|	|	|	0.11
81.417	0.00	0.04	0.077	O	|	|	|	|	0.11
81.500	0.00	0.04	0.077	O	|	|	|	|	0.11
81.583	0.00	0.04	0.077	O	|	|	|	|	0.11
81.667	0.00	0.04	0.076	O	|	|	|	|	0.11
81.750	0.00	0.04	0.076	O	|	|	|	|	0.11
81.833	0.00	0.04	0.076	O	|	|	|	|	0.11
81.917	0.00	0.04	0.075	O	|	|	|	|	0.11
82.000	0.00	0.04	0.075	O	|	|	|	|	0.11
82.083	0.00	0.04	0.075	O	|	|	|	|	0.11
82.167	0.00	0.04	0.075	O	|	|	|	|	0.11
82.250	0.00	0.04	0.074	O	|	|	|	|	0.10
82.333	0.00	0.04	0.074	O	|	|	|	|	0.10
82.417	0.00	0.04	0.074	O	|	|	|	|	0.10
82.500	0.00	0.04	0.074	O	|	|	|	|	0.10
82.583	0.00	0.04	0.073	O	|	|	|	|	0.10
82.667	0.00	0.04	0.073	O	|	|	|	|	0.10
82.750	0.00	0.04	0.073	O	|	|	|	|	0.10
82.833	0.00	0.04	0.073	O	|	|	|	|	0.10
82.917	0.00	0.04	0.072	O	|	|	|	|	0.10
83.000	0.00	0.04	0.072	O	|	|	|	|	0.10
83.083	0.00	0.04	0.072	O	|	|	|	|	0.10
83.167	0.00	0.04	0.072	O	|	|	|	|	0.10
83.250	0.00	0.04	0.071	O	|	|	|	|	0.10
83.333	0.00	0.04	0.071	O	|	|	|	|	0.10
83.417	0.00	0.04	0.071	O	|	|	|	|	0.10
83.500	0.00	0.04	0.071	O	|	|	|	|	0.10
83.583	0.00	0.04	0.070	O	|	|	|	|	0.10
83.667	0.00	0.04	0.070	O	|	|	|	|	0.10
83.750	0.00	0.04	0.070	O	|	|	|	|	0.10
83.833	0.00	0.04	0.070	O	|	|	|	|	0.10
83.917	0.00	0.04	0.069	O	|	|	|	|	0.10
84.000	0.00	0.04	0.069	O	|	|	|	|	0.10
84.083	0.00	0.03	0.069	O	|	|	|	|	0.10
84.167	0.00	0.03	0.069	O	|	|	|	|	0.10

84.250	0.00	0.03	0.068	O	|	|	|	0.10
84.333	0.00	0.03	0.068	O	|	|	|	0.10
84.417	0.00	0.03	0.068	O	|	|	|	0.10
84.500	0.00	0.03	0.068	O	|	|	|	0.10
84.583	0.00	0.03	0.067	O	|	|	|	0.10
84.667	0.00	0.03	0.067	O	|	|	|	0.09
84.750	0.00	0.03	0.067	O	|	|	|	0.09
84.833	0.00	0.03	0.067	O	|	|	|	0.09
84.917	0.00	0.03	0.067	O	|	|	|	0.09
85.000	0.00	0.03	0.066	O	|	|	|	0.09
85.083	0.00	0.03	0.066	O	|	|	|	0.09
85.167	0.00	0.03	0.066	O	|	|	|	0.09
85.250	0.00	0.03	0.066	O	|	|	|	0.09
85.333	0.00	0.03	0.065	O	|	|	|	0.09
85.417	0.00	0.03	0.065	O	|	|	|	0.09
85.500	0.00	0.03	0.065	O	|	|	|	0.09
85.583	0.00	0.03	0.065	O	|	|	|	0.09
85.667	0.00	0.03	0.065	O	|	|	|	0.09
85.750	0.00	0.03	0.064	O	|	|	|	0.09
85.833	0.00	0.03	0.064	O	|	|	|	0.09
85.917	0.00	0.03	0.064	O	|	|	|	0.09
86.000	0.00	0.03	0.064	O	|	|	|	0.09
86.083	0.00	0.03	0.063	O	|	|	|	0.09
86.167	0.00	0.03	0.063	O	|	|	|	0.09
86.250	0.00	0.03	0.063	O	|	|	|	0.09
86.333	0.00	0.03	0.063	O	|	|	|	0.09
86.417	0.00	0.03	0.063	O	|	|	|	0.09
86.500	0.00	0.03	0.062	O	|	|	|	0.09
86.583	0.00	0.03	0.062	O	|	|	|	0.09
86.667	0.00	0.03	0.062	O	|	|	|	0.09
86.750	0.00	0.03	0.062	O	|	|	|	0.09
86.833	0.00	0.03	0.061	O	|	|	|	0.09
86.917	0.00	0.03	0.061	O	|	|	|	0.09
87.000	0.00	0.03	0.061	O	|	|	|	0.09
87.083	0.00	0.03	0.061	O	|	|	|	0.09
87.167	0.00	0.03	0.061	O	|	|	|	0.09
87.250	0.00	0.03	0.060	O	|	|	|	0.09
87.333	0.00	0.03	0.060	O	|	|	|	0.08
87.417	0.00	0.03	0.060	O	|	|	|	0.08
87.500	0.00	0.03	0.060	O	|	|	|	0.08
87.583	0.00	0.03	0.060	O	|	|	|	0.08
87.667	0.00	0.03	0.059	O	|	|	|	0.08
87.750	0.00	0.03	0.059	O	|	|	|	0.08
87.833	0.00	0.03	0.059	O	|	|	|	0.08
87.917	0.00	0.03	0.059	O	|	|	|	0.08
88.000	0.00	0.03	0.058	O	|	|	|	0.08
88.083	0.00	0.03	0.058	O	|	|	|	0.08
88.167	0.00	0.03	0.058	O	|	|	|	0.08
88.250	0.00	0.03	0.058	O	|	|	|	0.08
88.333	0.00	0.03	0.058	O	|	|	|	0.08
88.417	0.00	0.03	0.057	O	|	|	|	0.08
88.500	0.00	0.03	0.057	O	|	|	|	0.08
88.583	0.00	0.03	0.057	O	|	|	|	0.08
88.667	0.00	0.03	0.057	O	|	|	|	0.08
88.750	0.00	0.03	0.057	O	|	|	|	0.08
88.833	0.00	0.03	0.056	O	|	|	|	0.08
88.917	0.00	0.03	0.056	O	|	|	|	0.08
89.000	0.00	0.03	0.056	O	|	|	|	0.08
89.083	0.00	0.03	0.056	O	|	|	|	0.08
89.167	0.00	0.03	0.056	O	|	|	|	0.08
89.250	0.00	0.03	0.056	O	|	|	|	0.08
89.333	0.00	0.03	0.055	O	|	|	|	0.08
89.417	0.00	0.03	0.055	O	|	|	|	0.08
89.500	0.00	0.03	0.055	O	|	|	|	0.08
89.583	0.00	0.03	0.055	O	|	|	|	0.08
89.667	0.00	0.03	0.055	O	|	|	|	0.08
89.750	0.00	0.03	0.054	O	|	|	|	0.08

89.833	0.00	0.03	0.054	O	|	|	|	0.08
89.917	0.00	0.03	0.054	O	|	|	|	0.08
90.000	0.00	0.03	0.054	O	|	|	|	0.08
90.083	0.00	0.03	0.054	O	|	|	|	0.08
90.167	0.00	0.03	0.053	O	|	|	|	0.08
90.250	0.00	0.03	0.053	O	|	|	|	0.07
90.333	0.00	0.03	0.053	O	|	|	|	0.07
90.417	0.00	0.03	0.053	O	|	|	|	0.07
90.500	0.00	0.03	0.053	O	|	|	|	0.07
90.583	0.00	0.03	0.052	O	|	|	|	0.07
90.667	0.00	0.03	0.052	O	|	|	|	0.07
90.750	0.00	0.03	0.052	O	|	|	|	0.07
90.833	0.00	0.03	0.052	O	|	|	|	0.07
90.917	0.00	0.03	0.052	O	|	|	|	0.07
91.000	0.00	0.03	0.052	O	|	|	|	0.07
91.083	0.00	0.03	0.051	O	|	|	|	0.07
91.167	0.00	0.03	0.051	O	|	|	|	0.07
91.250	0.00	0.03	0.051	O	|	|	|	0.07
91.333	0.00	0.03	0.051	O	|	|	|	0.07
91.417	0.00	0.03	0.051	O	|	|	|	0.07
91.500	0.00	0.03	0.051	O	|	|	|	0.07
91.583	0.00	0.03	0.050	O	|	|	|	0.07
91.667	0.00	0.03	0.050	O	|	|	|	0.07
91.750	0.00	0.03	0.050	O	|	|	|	0.07
91.833	0.00	0.03	0.050	O	|	|	|	0.07
91.917	0.00	0.03	0.050	O	|	|	|	0.07
92.000	0.00	0.03	0.049	O	|	|	|	0.07
92.083	0.00	0.02	0.049	O	|	|	|	0.07
92.167	0.00	0.02	0.049	O	|	|	|	0.07
92.250	0.00	0.02	0.049	O	|	|	|	0.07
92.333	0.00	0.02	0.049	O	|	|	|	0.07
92.417	0.00	0.02	0.049	O	|	|	|	0.07
92.500	0.00	0.02	0.048	O	|	|	|	0.07
92.583	0.00	0.02	0.048	O	|	|	|	0.07
92.667	0.00	0.02	0.048	O	|	|	|	0.07
92.750	0.00	0.02	0.048	O	|	|	|	0.07
92.833	0.00	0.02	0.048	O	|	|	|	0.07
92.917	0.00	0.02	0.048	O	|	|	|	0.07
93.000	0.00	0.02	0.047	O	|	|	|	0.07
93.083	0.00	0.02	0.047	O	|	|	|	0.07
93.167	0.00	0.02	0.047	O	|	|	|	0.07
93.250	0.00	0.02	0.047	O	|	|	|	0.07
93.333	0.00	0.02	0.047	O	|	|	|	0.07
93.417	0.00	0.02	0.047	O	|	|	|	0.07
93.500	0.00	0.02	0.046	O	|	|	|	0.07
93.583	0.00	0.02	0.046	O	|	|	|	0.07
93.667	0.00	0.02	0.046	O	|	|	|	0.06
93.750	0.00	0.02	0.046	O	|	|	|	0.06
93.833	0.00	0.02	0.046	O	|	|	|	0.06
93.917	0.00	0.02	0.046	O	|	|	|	0.06
94.000	0.00	0.02	0.045	O	|	|	|	0.06
94.083	0.00	0.02	0.045	O	|	|	|	0.06
94.167	0.00	0.02	0.045	O	|	|	|	0.06
94.250	0.00	0.02	0.045	O	|	|	|	0.06
94.333	0.00	0.02	0.045	O	|	|	|	0.06
94.417	0.00	0.02	0.045	O	|	|	|	0.06
94.500	0.00	0.02	0.045	O	|	|	|	0.06
94.583	0.00	0.02	0.044	O	|	|	|	0.06
94.667	0.00	0.02	0.044	O	|	|	|	0.06
94.750	0.00	0.02	0.044	O	|	|	|	0.06
94.833	0.00	0.02	0.044	O	|	|	|	0.06
94.917	0.00	0.02	0.044	O	|	|	|	0.06
95.000	0.00	0.02	0.044	O	|	|	|	0.06
95.083	0.00	0.02	0.043	O	|	|	|	0.06
95.167	0.00	0.02	0.043	O	|	|	|	0.06
95.250	0.00	0.02	0.043	O	|	|	|	0.06
95.333	0.00	0.02	0.043	O	|	|	|	0.06

95.417	0.00	0.02	0.043	O	|	|	|	|	0.06
95.500	0.00	0.02	0.043	O	|	|	|	|	0.06
95.583	0.00	0.02	0.043	O	|	|	|	|	0.06
95.667	0.00	0.02	0.042	O	|	|	|	|	0.06
95.750	0.00	0.02	0.042	O	|	|	|	|	0.06
95.833	0.00	0.02	0.042	O	|	|	|	|	0.06
95.917	0.00	0.02	0.042	O	|	|	|	|	0.06
96.000	0.00	0.02	0.042	O	|	|	|	|	0.06
96.083	0.00	0.02	0.042	O	|	|	|	|	0.06
96.167	0.00	0.02	0.042	O	|	|	|	|	0.06
96.250	0.00	0.02	0.041	O	|	|	|	|	0.06
96.333	0.00	0.02	0.041	O	|	|	|	|	0.06
96.417	0.00	0.02	0.041	O	|	|	|	|	0.06
96.500	0.00	0.02	0.041	O	|	|	|	|	0.06
96.583	0.00	0.02	0.041	O	|	|	|	|	0.06
96.667	0.00	0.02	0.041	O	|	|	|	|	0.06
96.750	0.00	0.02	0.041	O	|	|	|	|	0.06
96.833	0.00	0.02	0.040	O	|	|	|	|	0.06
96.917	0.00	0.02	0.040	O	|	|	|	|	0.06
97.000	0.00	0.02	0.040	O	|	|	|	|	0.06
97.083	0.00	0.02	0.040	O	|	|	|	|	0.06
97.167	0.00	0.02	0.040	O	|	|	|	|	0.06
97.250	0.00	0.02	0.040	O	|	|	|	|	0.06
97.333	0.00	0.02	0.040	O	|	|	|	|	0.06
97.417	0.00	0.02	0.039	O	|	|	|	|	0.06
97.500	0.00	0.02	0.039	O	|	|	|	|	0.06
97.583	0.00	0.02	0.039	O	|	|	|	|	0.06
97.667	0.00	0.02	0.039	O	|	|	|	|	0.05
97.750	0.00	0.02	0.039	O	|	|	|	|	0.05
97.833	0.00	0.02	0.039	O	|	|	|	|	0.05
97.917	0.00	0.02	0.039	O	|	|	|	|	0.05
98.000	0.00	0.02	0.038	O	|	|	|	|	0.05
98.083	0.00	0.02	0.038	O	|	|	|	|	0.05
98.167	0.00	0.02	0.038	O	|	|	|	|	0.05
98.250	0.00	0.02	0.038	O	|	|	|	|	0.05
98.333	0.00	0.02	0.038	O	|	|	|	|	0.05
98.417	0.00	0.02	0.038	O	|	|	|	|	0.05
98.500	0.00	0.02	0.038	O	|	|	|	|	0.05
98.583	0.00	0.02	0.038	O	|	|	|	|	0.05
98.667	0.00	0.02	0.037	O	|	|	|	|	0.05
98.750	0.00	0.02	0.037	O	|	|	|	|	0.05
98.833	0.00	0.02	0.037	O	|	|	|	|	0.05
98.917	0.00	0.02	0.037	O	|	|	|	|	0.05
99.000	0.00	0.02	0.037	O	|	|	|	|	0.05
99.083	0.00	0.02	0.037	O	|	|	|	|	0.05
99.167	0.00	0.02	0.037	O	|	|	|	|	0.05
99.250	0.00	0.02	0.037	O	|	|	|	|	0.05
99.333	0.00	0.02	0.036	O	|	|	|	|	0.05
99.417	0.00	0.02	0.036	O	|	|	|	|	0.05
99.500	0.00	0.02	0.036	O	|	|	|	|	0.05
99.583	0.00	0.02	0.036	O	|	|	|	|	0.05
99.667	0.00	0.02	0.036	O	|	|	|	|	0.05
99.750	0.00	0.02	0.036	O	|	|	|	|	0.05
99.833	0.00	0.02	0.036	O	|	|	|	|	0.05
99.917	0.00	0.02	0.036	O	|	|	|	|	0.05
100.000	0.00	0.02	0.035	O	|	|	|	|	0.05
100.083	0.00	0.02	0.035	O	|	|	|	|	0.05
100.167	0.00	0.02	0.035	O	|	|	|	|	0.05
100.250	0.00	0.02	0.035	O	|	|	|	|	0.05
100.333	0.00	0.02	0.035	O	|	|	|	|	0.05
100.417	0.00	0.02	0.035	O	|	|	|	|	0.05
100.500	0.00	0.02	0.035	O	|	|	|	|	0.05
100.583	0.00	0.02	0.035	O	|	|	|	|	0.05
100.667	0.00	0.02	0.034	O	|	|	|	|	0.05
100.750	0.00	0.02	0.034	O	|	|	|	|	0.05
100.833	0.00	0.02	0.034	O	|	|	|	|	0.05
100.917	0.00	0.02	0.034	O	|	|	|	|	0.05

101.000	0.00	0.02	0.034	O	|	|	|	|	0.05
101.083	0.00	0.02	0.034	O	|	|	|	|	0.05
101.167	0.00	0.02	0.034	O	|	|	|	|	0.05
101.250	0.00	0.02	0.034	O	|	|	|	|	0.05
101.333	0.00	0.02	0.033	O	|	|	|	|	0.05
101.417	0.00	0.02	0.033	O	|	|	|	|	0.05
101.500	0.00	0.02	0.033	O	|	|	|	|	0.05
101.583	0.00	0.02	0.033	O	|	|	|	|	0.05
101.667	0.00	0.02	0.033	O	|	|	|	|	0.05
101.750	0.00	0.02	0.033	O	|	|	|	|	0.05
101.833	0.00	0.02	0.033	O	|	|	|	|	0.05
101.917	0.00	0.02	0.033	O	|	|	|	|	0.05
102.000	0.00	0.02	0.033	O	|	|	|	|	0.05
102.083	0.00	0.02	0.032	O	|	|	|	|	0.05
102.167	0.00	0.02	0.032	O	|	|	|	|	0.05
102.250	0.00	0.02	0.032	O	|	|	|	|	0.05
102.333	0.00	0.02	0.032	O	|	|	|	|	0.05
102.417	0.00	0.02	0.032	O	|	|	|	|	0.05
102.500	0.00	0.02	0.032	O	|	|	|	|	0.04
102.583	0.00	0.02	0.032	O	|	|	|	|	0.04
102.667	0.00	0.02	0.032	O	|	|	|	|	0.04
102.750	0.00	0.02	0.032	O	|	|	|	|	0.04
102.833	0.00	0.02	0.031	O	|	|	|	|	0.04
102.917	0.00	0.02	0.031	O	|	|	|	|	0.04
103.000	0.00	0.02	0.031	O	|	|	|	|	0.04
103.083	0.00	0.02	0.031	O	|	|	|	|	0.04
103.167	0.00	0.02	0.031	O	|	|	|	|	0.04
103.250	0.00	0.02	0.031	O	|	|	|	|	0.04
103.333	0.00	0.02	0.031	O	|	|	|	|	0.04
103.417	0.00	0.02	0.031	O	|	|	|	|	0.04
103.500	0.00	0.02	0.031	O	|	|	|	|	0.04
103.583	0.00	0.02	0.030	O	|	|	|	|	0.04
103.667	0.00	0.02	0.030	O	|	|	|	|	0.04
103.750	0.00	0.02	0.030	O	|	|	|	|	0.04
103.833	0.00	0.02	0.030	O	|	|	|	|	0.04
103.917	0.00	0.02	0.030	O	|	|	|	|	0.04
104.000	0.00	0.02	0.030	O	|	|	|	|	0.04
104.083	0.00	0.02	0.030	O	|	|	|	|	0.04
104.167	0.00	0.02	0.030	O	|	|	|	|	0.04
104.250	0.00	0.02	0.030	O	|	|	|	|	0.04
104.333	0.00	0.01	0.030	O	|	|	|	|	0.04
104.417	0.00	0.01	0.029	O	|	|	|	|	0.04
104.500	0.00	0.01	0.029	O	|	|	|	|	0.04
104.583	0.00	0.01	0.029	O	|	|	|	|	0.04
104.667	0.00	0.01	0.029	O	|	|	|	|	0.04
104.750	0.00	0.01	0.029	O	|	|	|	|	0.04
104.833	0.00	0.01	0.029	O	|	|	|	|	0.04
104.917	0.00	0.01	0.029	O	|	|	|	|	0.04
105.000	0.00	0.01	0.029	O	|	|	|	|	0.04
105.083	0.00	0.01	0.029	O	|	|	|	|	0.04
105.167	0.00	0.01	0.028	O	|	|	|	|	0.04
105.250	0.00	0.01	0.028	O	|	|	|	|	0.04
105.333	0.00	0.01	0.028	O	|	|	|	|	0.04
105.417	0.00	0.01	0.028	O	|	|	|	|	0.04
105.500	0.00	0.01	0.028	O	|	|	|	|	0.04
105.583	0.00	0.01	0.028	O	|	|	|	|	0.04
105.667	0.00	0.01	0.028	O	|	|	|	|	0.04
105.750	0.00	0.01	0.028	O	|	|	|	|	0.04
105.833	0.00	0.01	0.028	O	|	|	|	|	0.04
105.917	0.00	0.01	0.028	O	|	|	|	|	0.04
106.000	0.00	0.01	0.028	O	|	|	|	|	0.04
106.083	0.00	0.01	0.027	O	|	|	|	|	0.04
106.167	0.00	0.01	0.027	O	|	|	|	|	0.04
106.250	0.00	0.01	0.027	O	|	|	|	|	0.04
106.333	0.00	0.01	0.027	O	|	|	|	|	0.04
106.417	0.00	0.01	0.027	O	|	|	|	|	0.04
106.500	0.00	0.01	0.027	O	|	|	|	|	0.04

106.583	0.00	0.01	0.027	O	|	|	|	|	0.04
106.667	0.00	0.01	0.027	O	|	|	|	|	0.04
106.750	0.00	0.01	0.027	O	|	|	|	|	0.04
106.833	0.00	0.01	0.027	O	|	|	|	|	0.04
106.917	0.00	0.01	0.026	O	|	|	|	|	0.04
107.000	0.00	0.01	0.026	O	|	|	|	|	0.04
107.083	0.00	0.01	0.026	O	|	|	|	|	0.04
107.167	0.00	0.01	0.026	O	|	|	|	|	0.04
107.250	0.00	0.01	0.026	O	|	|	|	|	0.04
107.333	0.00	0.01	0.026	O	|	|	|	|	0.04
107.417	0.00	0.01	0.026	O	|	|	|	|	0.04
107.500	0.00	0.01	0.026	O	|	|	|	|	0.04
107.583	0.00	0.01	0.026	O	|	|	|	|	0.04
107.667	0.00	0.01	0.026	O	|	|	|	|	0.04
107.750	0.00	0.01	0.026	O	|	|	|	|	0.04
107.833	0.00	0.01	0.025	O	|	|	|	|	0.04
107.917	0.00	0.01	0.025	O	|	|	|	|	0.04
108.000	0.00	0.01	0.025	O	|	|	|	|	0.04
108.083	0.00	0.01	0.025	O	|	|	|	|	0.04
108.167	0.00	0.01	0.025	O	|	|	|	|	0.04
108.250	0.00	0.01	0.025	O	|	|	|	|	0.04
108.333	0.00	0.01	0.025	O	|	|	|	|	0.04
108.417	0.00	0.01	0.025	O	|	|	|	|	0.04
108.500	0.00	0.01	0.025	O	|	|	|	|	0.03
108.583	0.00	0.01	0.025	O	|	|	|	|	0.03
108.667	0.00	0.01	0.025	O	|	|	|	|	0.03
108.750	0.00	0.01	0.025	O	|	|	|	|	0.03
108.833	0.00	0.01	0.024	O	|	|	|	|	0.03
108.917	0.00	0.01	0.024	O	|	|	|	|	0.03
109.000	0.00	0.01	0.024	O	|	|	|	|	0.03
109.083	0.00	0.01	0.024	O	|	|	|	|	0.03
109.167	0.00	0.01	0.024	O	|	|	|	|	0.03
109.250	0.00	0.01	0.024	O	|	|	|	|	0.03
109.333	0.00	0.01	0.024	O	|	|	|	|	0.03
109.417	0.00	0.01	0.024	O	|	|	|	|	0.03
109.500	0.00	0.01	0.024	O	|	|	|	|	0.03
109.583	0.00	0.01	0.024	O	|	|	|	|	0.03
109.667	0.00	0.01	0.024	O	|	|	|	|	0.03
109.750	0.00	0.01	0.024	O	|	|	|	|	0.03
109.833	0.00	0.01	0.023	O	|	|	|	|	0.03
109.917	0.00	0.01	0.023	O	|	|	|	|	0.03
110.000	0.00	0.01	0.023	O	|	|	|	|	0.03
110.083	0.00	0.01	0.023	O	|	|	|	|	0.03
110.167	0.00	0.01	0.023	O	|	|	|	|	0.03
110.250	0.00	0.01	0.023	O	|	|	|	|	0.03
110.333	0.00	0.01	0.023	O	|	|	|	|	0.03
110.417	0.00	0.01	0.023	O	|	|	|	|	0.03
110.500	0.00	0.01	0.023	O	|	|	|	|	0.03
110.583	0.00	0.01	0.023	O	|	|	|	|	0.03
110.667	0.00	0.01	0.023	O	|	|	|	|	0.03
110.750	0.00	0.01	0.023	O	|	|	|	|	0.03
110.833	0.00	0.01	0.022	O	|	|	|	|	0.03
110.917	0.00	0.01	0.022	O	|	|	|	|	0.03
111.000	0.00	0.01	0.022	O	|	|	|	|	0.03
111.083	0.00	0.01	0.022	O	|	|	|	|	0.03
111.167	0.00	0.01	0.022	O	|	|	|	|	0.03
111.250	0.00	0.01	0.022	O	|	|	|	|	0.03
111.333	0.00	0.01	0.022	O	|	|	|	|	0.03
111.417	0.00	0.01	0.022	O	|	|	|	|	0.03
111.500	0.00	0.01	0.022	O	|	|	|	|	0.03
111.583	0.00	0.01	0.022	O	|	|	|	|	0.03
111.667	0.00	0.01	0.022	O	|	|	|	|	0.03
111.750	0.00	0.01	0.022	O	|	|	|	|	0.03
111.833	0.00	0.01	0.022	O	|	|	|	|	0.03
111.917	0.00	0.01	0.021	O	|	|	|	|	0.03
112.000	0.00	0.01	0.021	O	|	|	|	|	0.03
112.083	0.00	0.01	0.021	O	|	|	|	|	0.03

112.167	0.00	0.01	0.021	O	|	|	|	|	0.03
112.250	0.00	0.01	0.021	O	|	|	|	|	0.03
112.333	0.00	0.01	0.021	O	|	|	|	|	0.03
112.417	0.00	0.01	0.021	O	|	|	|	|	0.03
112.500	0.00	0.01	0.021	O	|	|	|	|	0.03
112.583	0.00	0.01	0.021	O	|	|	|	|	0.03
112.667	0.00	0.01	0.021	O	|	|	|	|	0.03
112.750	0.00	0.01	0.021	O	|	|	|	|	0.03
112.833	0.00	0.01	0.021	O	|	|	|	|	0.03
112.917	0.00	0.01	0.021	O	|	|	|	|	0.03
113.000	0.00	0.01	0.021	O	|	|	|	|	0.03
113.083	0.00	0.01	0.020	O	|	|	|	|	0.03
113.167	0.00	0.01	0.020	O	|	|	|	|	0.03
113.250	0.00	0.01	0.020	O	|	|	|	|	0.03
113.333	0.00	0.01	0.020	O	|	|	|	|	0.03
113.417	0.00	0.01	0.020	O	|	|	|	|	0.03
113.500	0.00	0.01	0.020	O	|	|	|	|	0.03
113.583	0.00	0.01	0.020	O	|	|	|	|	0.03
113.667	0.00	0.01	0.020	O	|	|	|	|	0.03
113.750	0.00	0.01	0.020	O	|	|	|	|	0.03
113.833	0.00	0.01	0.020	O	|	|	|	|	0.03
113.917	0.00	0.01	0.020	O	|	|	|	|	0.03
114.000	0.00	0.01	0.020	O	|	|	|	|	0.03
114.083	0.00	0.01	0.020	O	|	|	|	|	0.03
114.167	0.00	0.01	0.020	O	|	|	|	|	0.03
114.250	0.00	0.01	0.019	O	|	|	|	|	0.03
114.333	0.00	0.01	0.019	O	|	|	|	|	0.03
114.417	0.00	0.01	0.019	O	|	|	|	|	0.03
114.500	0.00	0.01	0.019	O	|	|	|	|	0.03
114.583	0.00	0.01	0.019	O	|	|	|	|	0.03
114.667	0.00	0.01	0.019	O	|	|	|	|	0.03
114.750	0.00	0.01	0.019	O	|	|	|	|	0.03
114.833	0.00	0.01	0.019	O	|	|	|	|	0.03
114.917	0.00	0.01	0.019	O	|	|	|	|	0.03
115.000	0.00	0.01	0.019	O	|	|	|	|	0.03
115.083	0.00	0.01	0.019	O	|	|	|	|	0.03
115.167	0.00	0.01	0.019	O	|	|	|	|	0.03
115.250	0.00	0.01	0.019	O	|	|	|	|	0.03
115.333	0.00	0.01	0.019	O	|	|	|	|	0.03
115.417	0.00	0.01	0.019	O	|	|	|	|	0.03
115.500	0.00	0.01	0.018	O	|	|	|	|	0.03
115.583	0.00	0.01	0.018	O	|	|	|	|	0.03
115.667	0.00	0.01	0.018	O	|	|	|	|	0.03
115.750	0.00	0.01	0.018	O	|	|	|	|	0.03
115.833	0.00	0.01	0.018	O	|	|	|	|	0.03
115.917	0.00	0.01	0.018	O	|	|	|	|	0.03
116.000	0.00	0.01	0.018	O	|	|	|	|	0.03
116.083	0.00	0.01	0.018	O	|	|	|	|	0.03
116.167	0.00	0.01	0.018	O	|	|	|	|	0.03
116.250	0.00	0.01	0.018	O	|	|	|	|	0.03
116.333	0.00	0.01	0.018	O	|	|	|	|	0.03
116.417	0.00	0.01	0.018	O	|	|	|	|	0.03
116.500	0.00	0.01	0.018	O	|	|	|	|	0.02
116.583	0.00	0.01	0.018	O	|	|	|	|	0.02
116.667	0.00	0.01	0.018	O	|	|	|	|	0.02
116.750	0.00	0.01	0.018	O	|	|	|	|	0.02
116.833	0.00	0.01	0.017	O	|	|	|	|	0.02
116.917	0.00	0.01	0.017	O	|	|	|	|	0.02
117.000	0.00	0.01	0.017	O	|	|	|	|	0.02
117.083	0.00	0.01	0.017	O	|	|	|	|	0.02
117.167	0.00	0.01	0.017	O	|	|	|	|	0.02
117.250	0.00	0.01	0.017	O	|	|	|	|	0.02
117.333	0.00	0.01	0.017	O	|	|	|	|	0.02
117.417	0.00	0.01	0.017	O	|	|	|	|	0.02
117.500	0.00	0.01	0.017	O	|	|	|	|	0.02
117.583	0.00	0.01	0.017	O	|	|	|	|	0.02
117.667	0.00	0.01	0.017	O	|	|	|	|	0.02

117.750	0.00	0.01	0.017	O	|	|	|	|	0.02
117.833	0.00	0.01	0.017	O	|	|	|	|	0.02
117.917	0.00	0.01	0.017	O	|	|	|	|	0.02
118.000	0.00	0.01	0.017	O	|	|	|	|	0.02
118.083	0.00	0.01	0.017	O	|	|	|	|	0.02
118.167	0.00	0.01	0.017	O	|	|	|	|	0.02
118.250	0.00	0.01	0.016	O	|	|	|	|	0.02
118.333	0.00	0.01	0.016	O	|	|	|	|	0.02
118.417	0.00	0.01	0.016	O	|	|	|	|	0.02
118.500	0.00	0.01	0.016	O	|	|	|	|	0.02
118.583	0.00	0.01	0.016	O	|	|	|	|	0.02
118.667	0.00	0.01	0.016	O	|	|	|	|	0.02
118.750	0.00	0.01	0.016	O	|	|	|	|	0.02
118.833	0.00	0.01	0.016	O	|	|	|	|	0.02
118.917	0.00	0.01	0.016	O	|	|	|	|	0.02
119.000	0.00	0.01	0.016	O	|	|	|	|	0.02
119.083	0.00	0.01	0.016	O	|	|	|	|	0.02
119.167	0.00	0.01	0.016	O	|	|	|	|	0.02
119.250	0.00	0.01	0.016	O	|	|	|	|	0.02
119.333	0.00	0.01	0.016	O	|	|	|	|	0.02
119.417	0.00	0.01	0.016	O	|	|	|	|	0.02
119.500	0.00	0.01	0.016	O	|	|	|	|	0.02
119.583	0.00	0.01	0.016	O	|	|	|	|	0.02
119.667	0.00	0.01	0.016	O	|	|	|	|	0.02
119.750	0.00	0.01	0.015	O	|	|	|	|	0.02
119.833	0.00	0.01	0.015	O	|	|	|	|	0.02
119.917	0.00	0.01	0.015	O	|	|	|	|	0.02
120.000	0.00	0.01	0.015	O	|	|	|	|	0.02
120.083	0.00	0.01	0.015	O	|	|	|	|	0.02
120.167	0.00	0.01	0.015	O	|	|	|	|	0.02
120.250	0.00	0.01	0.015	O	|	|	|	|	0.02
120.333	0.00	0.01	0.015	O	|	|	|	|	0.02
120.417	0.00	0.01	0.015	O	|	|	|	|	0.02
120.500	0.00	0.01	0.015	O	|	|	|	|	0.02
120.583	0.00	0.01	0.015	O	|	|	|	|	0.02
120.667	0.00	0.01	0.015	O	|	|	|	|	0.02
120.750	0.00	0.01	0.015	O	|	|	|	|	0.02
120.833	0.00	0.01	0.015	O	|	|	|	|	0.02
120.917	0.00	0.01	0.015	O	|	|	|	|	0.02
121.000	0.00	0.01	0.015	O	|	|	|	|	0.02
121.083	0.00	0.01	0.015	O	|	|	|	|	0.02
121.167	0.00	0.01	0.015	O	|	|	|	|	0.02
121.250	0.00	0.01	0.015	O	|	|	|	|	0.02
121.333	0.00	0.01	0.014	O	|	|	|	|	0.02
121.417	0.00	0.01	0.014	O	|	|	|	|	0.02
121.500	0.00	0.01	0.014	O	|	|	|	|	0.02
121.583	0.00	0.01	0.014	O	|	|	|	|	0.02
121.667	0.00	0.01	0.014	O	|	|	|	|	0.02
121.750	0.00	0.01	0.014	O	|	|	|	|	0.02
121.833	0.00	0.01	0.014	O	|	|	|	|	0.02
121.917	0.00	0.01	0.014	O	|	|	|	|	0.02
122.000	0.00	0.01	0.014	O	|	|	|	|	0.02
122.083	0.00	0.01	0.014	O	|	|	|	|	0.02
122.167	0.00	0.01	0.014	O	|	|	|	|	0.02
122.250	0.00	0.01	0.014	O	|	|	|	|	0.02
122.333	0.00	0.01	0.014	O	|	|	|	|	0.02
122.417	0.00	0.01	0.014	O	|	|	|	|	0.02
122.500	0.00	0.01	0.014	O	|	|	|	|	0.02
122.583	0.00	0.01	0.014	O	|	|	|	|	0.02
122.667	0.00	0.01	0.014	O	|	|	|	|	0.02
122.750	0.00	0.01	0.014	O	|	|	|	|	0.02
122.833	0.00	0.01	0.014	O	|	|	|	|	0.02
122.917	0.00	0.01	0.014	O	|	|	|	|	0.02
123.000	0.00	0.01	0.013	O	|	|	|	|	0.02
123.083	0.00	0.01	0.013	O	|	|	|	|	0.02
123.167	0.00	0.01	0.013	O	|	|	|	|	0.02
123.250	0.00	0.01	0.013	O	|	|	|	|	0.02

123.333	0.00	0.01	0.013	O	|	|	|	|	0.02
123.417	0.00	0.01	0.013	O	|	|	|	|	0.02
123.500	0.00	0.01	0.013	O	|	|	|	|	0.02
123.583	0.00	0.01	0.013	O	|	|	|	|	0.02
123.667	0.00	0.01	0.013	O	|	|	|	|	0.02
123.750	0.00	0.01	0.013	O	|	|	|	|	0.02
123.833	0.00	0.01	0.013	O	|	|	|	|	0.02
123.917	0.00	0.01	0.013	O	|	|	|	|	0.02
124.000	0.00	0.01	0.013	O	|	|	|	|	0.02
124.083	0.00	0.01	0.013	O	|	|	|	|	0.02
124.167	0.00	0.01	0.013	O	|	|	|	|	0.02
124.250	0.00	0.01	0.013	O	|	|	|	|	0.02
124.333	0.00	0.01	0.013	O	|	|	|	|	0.02
124.417	0.00	0.01	0.013	O	|	|	|	|	0.02
124.500	0.00	0.01	0.013	O	|	|	|	|	0.02
124.583	0.00	0.01	0.013	O	|	|	|	|	0.02
124.667	0.00	0.01	0.013	O	|	|	|	|	0.02
124.750	0.00	0.01	0.013	O	|	|	|	|	0.02
124.833	0.00	0.01	0.012	O	|	|	|	|	0.02
124.917	0.00	0.01	0.012	O	|	|	|	|	0.02
125.000	0.00	0.01	0.012	O	|	|	|	|	0.02
125.083	0.00	0.01	0.012	O	|	|	|	|	0.02
125.167	0.00	0.01	0.012	O	|	|	|	|	0.02
125.250	0.00	0.01	0.012	O	|	|	|	|	0.02
125.333	0.00	0.01	0.012	O	|	|	|	|	0.02
125.417	0.00	0.01	0.012	O	|	|	|	|	0.02
125.500	0.00	0.01	0.012	O	|	|	|	|	0.02
125.583	0.00	0.01	0.012	O	|	|	|	|	0.02
125.667	0.00	0.01	0.012	O	|	|	|	|	0.02
125.750	0.00	0.01	0.012	O	|	|	|	|	0.02
125.833	0.00	0.01	0.012	O	|	|	|	|	0.02
125.917	0.00	0.01	0.012	O	|	|	|	|	0.02
126.000	0.00	0.01	0.012	O	|	|	|	|	0.02
126.083	0.00	0.01	0.012	O	|	|	|	|	0.02
126.167	0.00	0.01	0.012	O	|	|	|	|	0.02
126.250	0.00	0.01	0.012	O	|	|	|	|	0.02
126.333	0.00	0.01	0.012	O	|	|	|	|	0.02
126.417	0.00	0.01	0.012	O	|	|	|	|	0.02
126.500	0.00	0.01	0.012	O	|	|	|	|	0.02
126.583	0.00	0.01	0.012	O	|	|	|	|	0.02
126.667	0.00	0.01	0.012	O	|	|	|	|	0.02
126.750	0.00	0.01	0.012	O	|	|	|	|	0.02
126.833	0.00	0.01	0.011	O	|	|	|	|	0.02
126.917	0.00	0.01	0.011	O	|	|	|	|	0.02
127.000	0.00	0.01	0.011	O	|	|	|	|	0.02
127.083	0.00	0.01	0.011	O	|	|	|	|	0.02
127.167	0.00	0.01	0.011	O	|	|	|	|	0.02
127.250	0.00	0.01	0.011	O	|	|	|	|	0.02
127.333	0.00	0.01	0.011	O	|	|	|	|	0.02
127.417	0.00	0.01	0.011	O	|	|	|	|	0.02
127.500	0.00	0.01	0.011	O	|	|	|	|	0.02
127.583	0.00	0.01	0.011	O	|	|	|	|	0.02
127.667	0.00	0.01	0.011	O	|	|	|	|	0.02
127.750	0.00	0.01	0.011	O	|	|	|	|	0.02
127.833	0.00	0.01	0.011	O	|	|	|	|	0.02
127.917	0.00	0.01	0.011	O	|	|	|	|	0.02
128.000	0.00	0.01	0.011	O	|	|	|	|	0.02
128.083	0.00	0.01	0.011	O	|	|	|	|	0.02
128.167	0.00	0.01	0.011	O	|	|	|	|	0.02
128.250	0.00	0.01	0.011	O	|	|	|	|	0.02
128.333	0.00	0.01	0.011	O	|	|	|	|	0.02
128.417	0.00	0.01	0.011	O	|	|	|	|	0.02
128.500	0.00	0.01	0.011	O	|	|	|	|	0.02
128.583	0.00	0.01	0.011	O	|	|	|	|	0.02
128.667	0.00	0.01	0.011	O	|	|	|	|	0.01
128.750	0.00	0.01	0.011	O	|	|	|	|	0.01
128.833	0.00	0.01	0.011	O	|	|	|	|	0.01

128.917	0.00	0.01	0.011	O	|	|	|	|	0.01
129.000	0.00	0.01	0.010	O	|	|	|	|	0.01
129.083	0.00	0.01	0.010	O	|	|	|	|	0.01
129.167	0.00	0.01	0.010	O	|	|	|	|	0.01
129.250	0.00	0.01	0.010	O	|	|	|	|	0.01
129.333	0.00	0.01	0.010	O	|	|	|	|	0.01
129.417	0.00	0.01	0.010	O	|	|	|	|	0.01
129.500	0.00	0.01	0.010	O	|	|	|	|	0.01
129.583	0.00	0.01	0.010	O	|	|	|	|	0.01
129.667	0.00	0.01	0.010	O	|	|	|	|	0.01
129.750	0.00	0.01	0.010	O	|	|	|	|	0.01
129.833	0.00	0.01	0.010	O	|	|	|	|	0.01
129.917	0.00	0.01	0.010	O	|	|	|	|	0.01
130.000	0.00	0.01	0.010	O	|	|	|	|	0.01
130.083	0.00	0.01	0.010	O	|	|	|	|	0.01
130.167	0.00	0.01	0.010	O	|	|	|	|	0.01
130.250	0.00	0.01	0.010	O	|	|	|	|	0.01
130.333	0.00	0.01	0.010	O	|	|	|	|	0.01
130.417	0.00	0.01	0.010	O	|	|	|	|	0.01
130.500	0.00	0.00	0.010	O	|	|	|	|	0.01
130.583	0.00	0.00	0.010	O	|	|	|	|	0.01
130.667	0.00	0.00	0.010	O	|	|	|	|	0.01
130.750	0.00	0.00	0.010	O	|	|	|	|	0.01
130.833	0.00	0.00	0.010	O	|	|	|	|	0.01
130.917	0.00	0.00	0.010	O	|	|	|	|	0.01
131.000	0.00	0.00	0.010	O	|	|	|	|	0.01
131.083	0.00	0.00	0.010	O	|	|	|	|	0.01
131.167	0.00	0.00	0.010	O	|	|	|	|	0.01
131.250	0.00	0.00	0.010	O	|	|	|	|	0.01
131.333	0.00	0.00	0.010	O	|	|	|	|	0.01
131.417	0.00	0.00	0.009	O	|	|	|	|	0.01
131.500	0.00	0.00	0.009	O	|	|	|	|	0.01
131.583	0.00	0.00	0.009	O	|	|	|	|	0.01
131.667	0.00	0.00	0.009	O	|	|	|	|	0.01
131.750	0.00	0.00	0.009	O	|	|	|	|	0.01
131.833	0.00	0.00	0.009	O	|	|	|	|	0.01
131.917	0.00	0.00	0.009	O	|	|	|	|	0.01
132.000	0.00	0.00	0.009	O	|	|	|	|	0.01
132.083	0.00	0.00	0.009	O	|	|	|	|	0.01
132.167	0.00	0.00	0.009	O	|	|	|	|	0.01
132.250	0.00	0.00	0.009	O	|	|	|	|	0.01
132.333	0.00	0.00	0.009	O	|	|	|	|	0.01
132.417	0.00	0.00	0.009	O	|	|	|	|	0.01
132.500	0.00	0.00	0.009	O	|	|	|	|	0.01
132.583	0.00	0.00	0.009	O	|	|	|	|	0.01
132.667	0.00	0.00	0.009	O	|	|	|	|	0.01
132.750	0.00	0.00	0.009	O	|	|	|	|	0.01
132.833	0.00	0.00	0.009	O	|	|	|	|	0.01
132.917	0.00	0.00	0.009	O	|	|	|	|	0.01
133.000	0.00	0.00	0.009	O	|	|	|	|	0.01
133.083	0.00	0.00	0.009	O	|	|	|	|	0.01
133.167	0.00	0.00	0.009	O	|	|	|	|	0.01
133.250	0.00	0.00	0.009	O	|	|	|	|	0.01
133.333	0.00	0.00	0.009	O	|	|	|	|	0.01
133.417	0.00	0.00	0.009	O	|	|	|	|	0.01
133.500	0.00	0.00	0.009	O	|	|	|	|	0.01
133.583	0.00	0.00	0.009	O	|	|	|	|	0.01
133.667	0.00	0.00	0.009	O	|	|	|	|	0.01
133.750	0.00	0.00	0.009	O	|	|	|	|	0.01
133.833	0.00	0.00	0.009	O	|	|	|	|	0.01
133.917	0.00	0.00	0.009	O	|	|	|	|	0.01
134.000	0.00	0.00	0.009	O	|	|	|	|	0.01
134.083	0.00	0.00	0.008	O	|	|	|	|	0.01
134.167	0.00	0.00	0.008	O	|	|	|	|	0.01
134.250	0.00	0.00	0.008	O	|	|	|	|	0.01
134.333	0.00	0.00	0.008	O	|	|	|	|	0.01
134.417	0.00	0.00	0.008	O	|	|	|	|	0.01

134.500	0.00	0.00	0.008	O	|	|	|	|	0.01
134.583	0.00	0.00	0.008	O	|	|	|	|	0.01
134.667	0.00	0.00	0.008	O	|	|	|	|	0.01
134.750	0.00	0.00	0.008	O	|	|	|	|	0.01
134.833	0.00	0.00	0.008	O	|	|	|	|	0.01
134.917	0.00	0.00	0.008	O	|	|	|	|	0.01
135.000	0.00	0.00	0.008	O	|	|	|	|	0.01
135.083	0.00	0.00	0.008	O	|	|	|	|	0.01
135.167	0.00	0.00	0.008	O	|	|	|	|	0.01
135.250	0.00	0.00	0.008	O	|	|	|	|	0.01
135.333	0.00	0.00	0.008	O	|	|	|	|	0.01
135.417	0.00	0.00	0.008	O	|	|	|	|	0.01
135.500	0.00	0.00	0.008	O	|	|	|	|	0.01
135.583	0.00	0.00	0.008	O	|	|	|	|	0.01
135.667	0.00	0.00	0.008	O	|	|	|	|	0.01
135.750	0.00	0.00	0.008	O	|	|	|	|	0.01
135.833	0.00	0.00	0.008	O	|	|	|	|	0.01
135.917	0.00	0.00	0.008	O	|	|	|	|	0.01
136.000	0.00	0.00	0.008	O	|	|	|	|	0.01
136.083	0.00	0.00	0.008	O	|	|	|	|	0.01
136.167	0.00	0.00	0.008	O	|	|	|	|	0.01
136.250	0.00	0.00	0.008	O	|	|	|	|	0.01
136.333	0.00	0.00	0.008	O	|	|	|	|	0.01
136.417	0.00	0.00	0.008	O	|	|	|	|	0.01
136.500	0.00	0.00	0.008	O	|	|	|	|	0.01
136.583	0.00	0.00	0.008	O	|	|	|	|	0.01
136.667	0.00	0.00	0.008	O	|	|	|	|	0.01
136.750	0.00	0.00	0.008	O	|	|	|	|	0.01
136.833	0.00	0.00	0.008	O	|	|	|	|	0.01
136.917	0.00	0.00	0.008	O	|	|	|	|	0.01
137.000	0.00	0.00	0.008	O	|	|	|	|	0.01
137.083	0.00	0.00	0.007	O	|	|	|	|	0.01
137.167	0.00	0.00	0.007	O	|	|	|	|	0.01
137.250	0.00	0.00	0.007	O	|	|	|	|	0.01
137.333	0.00	0.00	0.007	O	|	|	|	|	0.01
137.417	0.00	0.00	0.007	O	|	|	|	|	0.01
137.500	0.00	0.00	0.007	O	|	|	|	|	0.01
137.583	0.00	0.00	0.007	O	|	|	|	|	0.01
137.667	0.00	0.00	0.007	O	|	|	|	|	0.01
137.750	0.00	0.00	0.007	O	|	|	|	|	0.01
137.833	0.00	0.00	0.007	O	|	|	|	|	0.01
137.917	0.00	0.00	0.007	O	|	|	|	|	0.01
138.000	0.00	0.00	0.007	O	|	|	|	|	0.01
138.083	0.00	0.00	0.007	O	|	|	|	|	0.01
138.167	0.00	0.00	0.007	O	|	|	|	|	0.01
138.250	0.00	0.00	0.007	O	|	|	|	|	0.01
138.333	0.00	0.00	0.007	O	|	|	|	|	0.01
138.417	0.00	0.00	0.007	O	|	|	|	|	0.01
138.500	0.00	0.00	0.007	O	|	|	|	|	0.01
138.583	0.00	0.00	0.007	O	|	|	|	|	0.01
138.667	0.00	0.00	0.007	O	|	|	|	|	0.01
138.750	0.00	0.00	0.007	O	|	|	|	|	0.01
138.833	0.00	0.00	0.007	O	|	|	|	|	0.01
138.917	0.00	0.00	0.007	O	|	|	|	|	0.01
139.000	0.00	0.00	0.007	O	|	|	|	|	0.01
139.083	0.00	0.00	0.007	O	|	|	|	|	0.01
139.167	0.00	0.00	0.007	O	|	|	|	|	0.01
139.250	0.00	0.00	0.007	O	|	|	|	|	0.01
139.333	0.00	0.00	0.007	O	|	|	|	|	0.01
139.417	0.00	0.00	0.007	O	|	|	|	|	0.01
139.500	0.00	0.00	0.007	O	|	|	|	|	0.01
139.583	0.00	0.00	0.007	O	|	|	|	|	0.01
139.667	0.00	0.00	0.007	O	|	|	|	|	0.01
139.750	0.00	0.00	0.007	O	|	|	|	|	0.01
139.833	0.00	0.00	0.007	O	|	|	|	|	0.01
139.917	0.00	0.00	0.007	O	|	|	|	|	0.01
140.000	0.00	0.00	0.007	O	|	|	|	|	0.01

140.083	0.00	0.00	0.007	O	|	|	|	0.01
140.167	0.00	0.00	0.007	O	|	|	|	0.01
140.250	0.00	0.00	0.007	O	|	|	|	0.01
140.333	0.00	0.00	0.007	O	|	|	|	0.01
140.417	0.00	0.00	0.007	O	|	|	|	0.01
140.500	0.00	0.00	0.006	O	|	|	|	0.01
140.583	0.00	0.00	0.006	O	|	|	|	0.01
140.667	0.00	0.00	0.006	O	|	|	|	0.01
140.750	0.00	0.00	0.006	O	|	|	|	0.01
140.833	0.00	0.00	0.006	O	|	|	|	0.01
140.917	0.00	0.00	0.006	O	|	|	|	0.01
141.000	0.00	0.00	0.006	O	|	|	|	0.01
141.083	0.00	0.00	0.006	O	|	|	|	0.01
141.167	0.00	0.00	0.006	O	|	|	|	0.01
141.250	0.00	0.00	0.006	O	|	|	|	0.01
141.333	0.00	0.00	0.006	O	|	|	|	0.01
141.417	0.00	0.00	0.006	O	|	|	|	0.01
141.500	0.00	0.00	0.006	O	|	|	|	0.01
141.583	0.00	0.00	0.006	O	|	|	|	0.01
141.667	0.00	0.00	0.006	O	|	|	|	0.01
141.750	0.00	0.00	0.006	O	|	|	|	0.01
141.833	0.00	0.00	0.006	O	|	|	|	0.01
141.917	0.00	0.00	0.006	O	|	|	|	0.01
142.000	0.00	0.00	0.006	O	|	|	|	0.01
142.083	0.00	0.00	0.006	O	|	|	|	0.01
142.167	0.00	0.00	0.006	O	|	|	|	0.01
142.250	0.00	0.00	0.006	O	|	|	|	0.01
142.333	0.00	0.00	0.006	O	|	|	|	0.01
142.417	0.00	0.00	0.006	O	|	|	|	0.01
142.500	0.00	0.00	0.006	O	|	|	|	0.01
142.583	0.00	0.00	0.006	O	|	|	|	0.01
142.667	0.00	0.00	0.006	O	|	|	|	0.01
142.750	0.00	0.00	0.006	O	|	|	|	0.01
142.833	0.00	0.00	0.006	O	|	|	|	0.01
142.917	0.00	0.00	0.006	O	|	|	|	0.01
143.000	0.00	0.00	0.006	O	|	|	|	0.01
143.083	0.00	0.00	0.006	O	|	|	|	0.01
143.167	0.00	0.00	0.006	O	|	|	|	0.01
143.250	0.00	0.00	0.006	O	|	|	|	0.01
143.333	0.00	0.00	0.006	O	|	|	|	0.01
143.417	0.00	0.00	0.006	O	|	|	|	0.01
143.500	0.00	0.00	0.006	O	|	|	|	0.01
143.583	0.00	0.00	0.006	O	|	|	|	0.01
143.667	0.00	0.00	0.006	O	|	|	|	0.01
143.750	0.00	0.00	0.006	O	|	|	|	0.01
143.833	0.00	0.00	0.006	O	|	|	|	0.01
143.917	0.00	0.00	0.006	O	|	|	|	0.01
144.000	0.00	0.00	0.006	O	|	|	|	0.01
144.083	0.00	0.00	0.006	O	|	|	|	0.01
144.167	0.00	0.00	0.006	O	|	|	|	0.01
144.250	0.00	0.00	0.006	O	|	|	|	0.01
144.333	0.00	0.00	0.006	O	|	|	|	0.01
144.417	0.00	0.00	0.006	O	|	|	|	0.01
144.500	0.00	0.00	0.005	O	|	|	|	0.01
144.583	0.00	0.00	0.005	O	|	|	|	0.01
144.667	0.00	0.00	0.005	O	|	|	|	0.01
144.750	0.00	0.00	0.005	O	|	|	|	0.01
144.833	0.00	0.00	0.005	O	|	|	|	0.01
144.917	0.00	0.00	0.005	O	|	|	|	0.01
145.000	0.00	0.00	0.005	O	|	|	|	0.01
145.083	0.00	0.00	0.005	O	|	|	|	0.01
145.167	0.00	0.00	0.005	O	|	|	|	0.01
145.250	0.00	0.00	0.005	O	|	|	|	0.01
145.333	0.00	0.00	0.005	O	|	|	|	0.01
145.417	0.00	0.00	0.005	O	|	|	|	0.01
145.500	0.00	0.00	0.005	O	|	|	|	0.01
145.583	0.00	0.00	0.005	O	|	|	|	0.01

145.667	0.00	0.00	0.005	O	|	|	|	|	0.01
145.750	0.00	0.00	0.005	O	|	|	|	|	0.01
145.833	0.00	0.00	0.005	O	|	|	|	|	0.01
145.917	0.00	0.00	0.005	O	|	|	|	|	0.01
146.000	0.00	0.00	0.005	O	|	|	|	|	0.01
146.083	0.00	0.00	0.005	O	|	|	|	|	0.01
146.167	0.00	0.00	0.005	O	|	|	|	|	0.01
146.250	0.00	0.00	0.005	O	|	|	|	|	0.01
146.333	0.00	0.00	0.005	O	|	|	|	|	0.01
146.417	0.00	0.00	0.005	O	|	|	|	|	0.01
146.500	0.00	0.00	0.005	O	|	|	|	|	0.01
146.583	0.00	0.00	0.005	O	|	|	|	|	0.01
146.667	0.00	0.00	0.005	O	|	|	|	|	0.01
146.750	0.00	0.00	0.005	O	|	|	|	|	0.01
146.833	0.00	0.00	0.005	O	|	|	|	|	0.01
146.917	0.00	0.00	0.005	O	|	|	|	|	0.01
147.000	0.00	0.00	0.005	O	|	|	|	|	0.01
147.083	0.00	0.00	0.005	O	|	|	|	|	0.01
147.167	0.00	0.00	0.005	O	|	|	|	|	0.01
147.250	0.00	0.00	0.005	O	|	|	|	|	0.01
147.333	0.00	0.00	0.005	O	|	|	|	|	0.01
147.417	0.00	0.00	0.005	O	|	|	|	|	0.01
147.500	0.00	0.00	0.005	O	|	|	|	|	0.01
147.583	0.00	0.00	0.005	O	|	|	|	|	0.01
147.667	0.00	0.00	0.005	O	|	|	|	|	0.01
147.750	0.00	0.00	0.005	O	|	|	|	|	0.01
147.833	0.00	0.00	0.005	O	|	|	|	|	0.01
147.917	0.00	0.00	0.005	O	|	|	|	|	0.01
148.000	0.00	0.00	0.005	O	|	|	|	|	0.01
148.083	0.00	0.00	0.005	O	|	|	|	|	0.01
148.167	0.00	0.00	0.005	O	|	|	|	|	0.01
148.250	0.00	0.00	0.005	O	|	|	|	|	0.01
148.333	0.00	0.00	0.005	O	|	|	|	|	0.01
148.417	0.00	0.00	0.005	O	|	|	|	|	0.01
148.500	0.00	0.00	0.005	O	|	|	|	|	0.01
148.583	0.00	0.00	0.005	O	|	|	|	|	0.01
148.667	0.00	0.00	0.005	O	|	|	|	|	0.01
148.750	0.00	0.00	0.005	O	|	|	|	|	0.01
148.833	0.00	0.00	0.005	O	|	|	|	|	0.01
148.917	0.00	0.00	0.005	O	|	|	|	|	0.01
149.000	0.00	0.00	0.005	O	|	|	|	|	0.01
149.083	0.00	0.00	0.005	O	|	|	|	|	0.01
149.167	0.00	0.00	0.005	O	|	|	|	|	0.01
149.250	0.00	0.00	0.004	O	|	|	|	|	0.01
149.333	0.00	0.00	0.004	O	|	|	|	|	0.01
149.417	0.00	0.00	0.004	O	|	|	|	|	0.01
149.500	0.00	0.00	0.004	O	|	|	|	|	0.01
149.583	0.00	0.00	0.004	O	|	|	|	|	0.01
149.667	0.00	0.00	0.004	O	|	|	|	|	0.01
149.750	0.00	0.00	0.004	O	|	|	|	|	0.01
149.833	0.00	0.00	0.004	O	|	|	|	|	0.01
149.917	0.00	0.00	0.004	O	|	|	|	|	0.01
150.000	0.00	0.00	0.004	O	|	|	|	|	0.01
150.083	0.00	0.00	0.004	O	|	|	|	|	0.01
150.167	0.00	0.00	0.004	O	|	|	|	|	0.01
150.250	0.00	0.00	0.004	O	|	|	|	|	0.01
150.333	0.00	0.00	0.004	O	|	|	|	|	0.01
150.417	0.00	0.00	0.004	O	|	|	|	|	0.01
150.500	0.00	0.00	0.004	O	|	|	|	|	0.01
150.583	0.00	0.00	0.004	O	|	|	|	|	0.01
150.667	0.00	0.00	0.004	O	|	|	|	|	0.01
150.750	0.00	0.00	0.004	O	|	|	|	|	0.01
150.833	0.00	0.00	0.004	O	|	|	|	|	0.01
150.917	0.00	0.00	0.004	O	|	|	|	|	0.01
151.000	0.00	0.00	0.004	O	|	|	|	|	0.01
151.083	0.00	0.00	0.004	O	|	|	|	|	0.01
151.167	0.00	0.00	0.004	O	|	|	|	|	0.01

151.250	0.00	0.00	0.004	O	|	|	|	|	0.01
151.333	0.00	0.00	0.004	O	|	|	|	|	0.01
151.417	0.00	0.00	0.004	O	|	|	|	|	0.01
151.500	0.00	0.00	0.004	O	|	|	|	|	0.01
151.583	0.00	0.00	0.004	O	|	|	|	|	0.01
151.667	0.00	0.00	0.004	O	|	|	|	|	0.01
151.750	0.00	0.00	0.004	O	|	|	|	|	0.01
151.833	0.00	0.00	0.004	O	|	|	|	|	0.01
151.917	0.00	0.00	0.004	O	|	|	|	|	0.01
152.000	0.00	0.00	0.004	O	|	|	|	|	0.01
152.083	0.00	0.00	0.004	O	|	|	|	|	0.01
152.167	0.00	0.00	0.004	O	|	|	|	|	0.01
152.250	0.00	0.00	0.004	O	|	|	|	|	0.01
152.333	0.00	0.00	0.004	O	|	|	|	|	0.01
152.417	0.00	0.00	0.004	O	|	|	|	|	0.01
152.500	0.00	0.00	0.004	O	|	|	|	|	0.01
152.583	0.00	0.00	0.004	O	|	|	|	|	0.01
152.667	0.00	0.00	0.004	O	|	|	|	|	0.01
152.750	0.00	0.00	0.004	O	|	|	|	|	0.01
152.833	0.00	0.00	0.004	O	|	|	|	|	0.01
152.917	0.00	0.00	0.004	O	|	|	|	|	0.01
153.000	0.00	0.00	0.004	O	|	|	|	|	0.01
153.083	0.00	0.00	0.004	O	|	|	|	|	0.01
153.167	0.00	0.00	0.004	O	|	|	|	|	0.01
153.250	0.00	0.00	0.004	O	|	|	|	|	0.01
153.333	0.00	0.00	0.004	O	|	|	|	|	0.01
153.417	0.00	0.00	0.004	O	|	|	|	|	0.01
153.500	0.00	0.00	0.004	O	|	|	|	|	0.01
153.583	0.00	0.00	0.004	O	|	|	|	|	0.01
153.667	0.00	0.00	0.004	O	|	|	|	|	0.01
153.750	0.00	0.00	0.004	O	|	|	|	|	0.01
153.833	0.00	0.00	0.004	O	|	|	|	|	0.01
153.917	0.00	0.00	0.004	O	|	|	|	|	0.01
154.000	0.00	0.00	0.004	O	|	|	|	|	0.01
154.083	0.00	0.00	0.004	O	|	|	|	|	0.01
154.167	0.00	0.00	0.004	O	|	|	|	|	0.01
154.250	0.00	0.00	0.004	O	|	|	|	|	0.01
154.333	0.00	0.00	0.004	O	|	|	|	|	0.01
154.417	0.00	0.00	0.004	O	|	|	|	|	0.01
154.500	0.00	0.00	0.004	O	|	|	|	|	0.01
154.583	0.00	0.00	0.004	O	|	|	|	|	0.01
154.667	0.00	0.00	0.004	O	|	|	|	|	0.01
154.750	0.00	0.00	0.004	O	|	|	|	|	0.01
154.833	0.00	0.00	0.004	O	|	|	|	|	0.01
154.917	0.00	0.00	0.004	O	|	|	|	|	0.00
155.000	0.00	0.00	0.004	O	|	|	|	|	0.00
155.083	0.00	0.00	0.004	O	|	|	|	|	0.00
155.167	0.00	0.00	0.004	O	|	|	|	|	0.00
155.250	0.00	0.00	0.003	O	|	|	|	|	0.00
155.333	0.00	0.00	0.003	O	|	|	|	|	0.00
155.417	0.00	0.00	0.003	O	|	|	|	|	0.00
155.500	0.00	0.00	0.003	O	|	|	|	|	0.00
155.583	0.00	0.00	0.003	O	|	|	|	|	0.00
155.667	0.00	0.00	0.003	O	|	|	|	|	0.00
155.750	0.00	0.00	0.003	O	|	|	|	|	0.00
155.833	0.00	0.00	0.003	O	|	|	|	|	0.00
155.917	0.00	0.00	0.003	O	|	|	|	|	0.00
156.000	0.00	0.00	0.003	O	|	|	|	|	0.00
156.083	0.00	0.00	0.003	O	|	|	|	|	0.00
156.167	0.00	0.00	0.003	O	|	|	|	|	0.00
156.250	0.00	0.00	0.003	O	|	|	|	|	0.00
156.333	0.00	0.00	0.003	O	|	|	|	|	0.00
156.417	0.00	0.00	0.003	O	|	|	|	|	0.00
156.500	0.00	0.00	0.003	O	|	|	|	|	0.00
156.583	0.00	0.00	0.003	O	|	|	|	|	0.00
156.667	0.00	0.00	0.003	O	|	|	|	|	0.00
156.750	0.00	0.00	0.003	O	|	|	|	|	0.00

156.833	0.00	0.00	0.003	O	|	|	|	|	0.00
156.917	0.00	0.00	0.003	O	|	|	|	|	0.00
157.000	0.00	0.00	0.003	O	|	|	|	|	0.00
157.083	0.00	0.00	0.003	O	|	|	|	|	0.00
157.167	0.00	0.00	0.003	O	|	|	|	|	0.00
157.250	0.00	0.00	0.003	O	|	|	|	|	0.00
157.333	0.00	0.00	0.003	O	|	|	|	|	0.00
157.417	0.00	0.00	0.003	O	|	|	|	|	0.00
157.500	0.00	0.00	0.003	O	|	|	|	|	0.00
157.583	0.00	0.00	0.003	O	|	|	|	|	0.00
157.667	0.00	0.00	0.003	O	|	|	|	|	0.00
157.750	0.00	0.00	0.003	O	|	|	|	|	0.00
157.833	0.00	0.00	0.003	O	|	|	|	|	0.00
157.917	0.00	0.00	0.003	O	|	|	|	|	0.00
158.000	0.00	0.00	0.003	O	|	|	|	|	0.00
158.083	0.00	0.00	0.003	O	|	|	|	|	0.00
158.167	0.00	0.00	0.003	O	|	|	|	|	0.00
158.250	0.00	0.00	0.003	O	|	|	|	|	0.00
158.333	0.00	0.00	0.003	O	|	|	|	|	0.00
158.417	0.00	0.00	0.003	O	|	|	|	|	0.00
158.500	0.00	0.00	0.003	O	|	|	|	|	0.00
158.583	0.00	0.00	0.003	O	|	|	|	|	0.00
158.667	0.00	0.00	0.003	O	|	|	|	|	0.00
158.750	0.00	0.00	0.003	O	|	|	|	|	0.00
158.833	0.00	0.00	0.003	O	|	|	|	|	0.00
158.917	0.00	0.00	0.003	O	|	|	|	|	0.00
159.000	0.00	0.00	0.003	O	|	|	|	|	0.00
159.083	0.00	0.00	0.003	O	|	|	|	|	0.00
159.167	0.00	0.00	0.003	O	|	|	|	|	0.00
159.250	0.00	0.00	0.003	O	|	|	|	|	0.00
159.333	0.00	0.00	0.003	O	|	|	|	|	0.00
159.417	0.00	0.00	0.003	O	|	|	|	|	0.00
159.500	0.00	0.00	0.003	O	|	|	|	|	0.00
159.583	0.00	0.00	0.003	O	|	|	|	|	0.00
159.667	0.00	0.00	0.003	O	|	|	|	|	0.00
159.750	0.00	0.00	0.003	O	|	|	|	|	0.00
159.833	0.00	0.00	0.003	O	|	|	|	|	0.00
159.917	0.00	0.00	0.003	O	|	|	|	|	0.00
160.000	0.00	0.00	0.003	O	|	|	|	|	0.00
160.083	0.00	0.00	0.003	O	|	|	|	|	0.00
160.167	0.00	0.00	0.003	O	|	|	|	|	0.00
160.250	0.00	0.00	0.003	O	|	|	|	|	0.00
160.333	0.00	0.00	0.003	O	|	|	|	|	0.00
160.417	0.00	0.00	0.003	O	|	|	|	|	0.00
160.500	0.00	0.00	0.003	O	|	|	|	|	0.00
160.583	0.00	0.00	0.003	O	|	|	|	|	0.00
160.667	0.00	0.00	0.003	O	|	|	|	|	0.00
160.750	0.00	0.00	0.003	O	|	|	|	|	0.00
160.833	0.00	0.00	0.003	O	|	|	|	|	0.00
160.917	0.00	0.00	0.003	O	|	|	|	|	0.00
161.000	0.00	0.00	0.003	O	|	|	|	|	0.00
161.083	0.00	0.00	0.003	O	|	|	|	|	0.00
161.167	0.00	0.00	0.003	O	|	|	|	|	0.00
161.250	0.00	0.00	0.003	O	|	|	|	|	0.00
161.333	0.00	0.00	0.003	O	|	|	|	|	0.00
161.417	0.00	0.00	0.003	O	|	|	|	|	0.00
161.500	0.00	0.00	0.003	O	|	|	|	|	0.00
161.583	0.00	0.00	0.003	O	|	|	|	|	0.00
161.667	0.00	0.00	0.003	O	|	|	|	|	0.00
161.750	0.00	0.00	0.003	O	|	|	|	|	0.00
161.833	0.00	0.00	0.003	O	|	|	|	|	0.00
161.917	0.00	0.00	0.003	O	|	|	|	|	0.00
162.000	0.00	0.00	0.003	O	|	|	|	|	0.00
162.083	0.00	0.00	0.003	O	|	|	|	|	0.00
162.167	0.00	0.00	0.003	O	|	|	|	|	0.00
162.250	0.00	0.00	0.003	O	|	|	|	|	0.00
162.333	0.00	0.00	0.003	O	|	|	|	|	0.00

162.417	0.00	0.00	0.003	O	|	|	|	|	0.00
162.500	0.00	0.00	0.003	O	|	|	|	|	0.00
162.583	0.00	0.00	0.003	O	|	|	|	|	0.00
162.667	0.00	0.00	0.003	O	|	|	|	|	0.00
162.750	0.00	0.00	0.003	O	|	|	|	|	0.00
162.833	0.00	0.00	0.003	O	|	|	|	|	0.00
162.917	0.00	0.00	0.003	O	|	|	|	|	0.00
163.000	0.00	0.00	0.003	O	|	|	|	|	0.00
163.083	0.00	0.00	0.003	O	|	|	|	|	0.00
163.167	0.00	0.00	0.003	O	|	|	|	|	0.00
163.250	0.00	0.00	0.002	O	|	|	|	|	0.00
163.333	0.00	0.00	0.002	O	|	|	|	|	0.00
163.417	0.00	0.00	0.002	O	|	|	|	|	0.00
163.500	0.00	0.00	0.002	O	|	|	|	|	0.00
163.583	0.00	0.00	0.002	O	|	|	|	|	0.00
163.667	0.00	0.00	0.002	O	|	|	|	|	0.00
163.750	0.00	0.00	0.002	O	|	|	|	|	0.00
163.833	0.00	0.00	0.002	O	|	|	|	|	0.00
163.917	0.00	0.00	0.002	O	|	|	|	|	0.00
164.000	0.00	0.00	0.002	O	|	|	|	|	0.00
164.083	0.00	0.00	0.002	O	|	|	|	|	0.00
164.167	0.00	0.00	0.002	O	|	|	|	|	0.00
164.250	0.00	0.00	0.002	O	|	|	|	|	0.00
164.333	0.00	0.00	0.002	O	|	|	|	|	0.00
164.417	0.00	0.00	0.002	O	|	|	|	|	0.00
164.500	0.00	0.00	0.002	O	|	|	|	|	0.00
164.583	0.00	0.00	0.002	O	|	|	|	|	0.00
164.667	0.00	0.00	0.002	O	|	|	|	|	0.00
164.750	0.00	0.00	0.002	O	|	|	|	|	0.00
164.833	0.00	0.00	0.002	O	|	|	|	|	0.00
164.917	0.00	0.00	0.002	O	|	|	|	|	0.00
165.000	0.00	0.00	0.002	O	|	|	|	|	0.00
165.083	0.00	0.00	0.002	O	|	|	|	|	0.00
165.167	0.00	0.00	0.002	O	|	|	|	|	0.00
165.250	0.00	0.00	0.002	O	|	|	|	|	0.00
165.333	0.00	0.00	0.002	O	|	|	|	|	0.00
165.417	0.00	0.00	0.002	O	|	|	|	|	0.00
165.500	0.00	0.00	0.002	O	|	|	|	|	0.00
165.583	0.00	0.00	0.002	O	|	|	|	|	0.00
165.667	0.00	0.00	0.002	O	|	|	|	|	0.00
165.750	0.00	0.00	0.002	O	|	|	|	|	0.00
165.833	0.00	0.00	0.002	O	|	|	|	|	0.00
165.917	0.00	0.00	0.002	O	|	|	|	|	0.00
166.000	0.00	0.00	0.002	O	|	|	|	|	0.00
166.083	0.00	0.00	0.002	O	|	|	|	|	0.00
166.167	0.00	0.00	0.002	O	|	|	|	|	0.00
166.250	0.00	0.00	0.002	O	|	|	|	|	0.00
166.333	0.00	0.00	0.002	O	|	|	|	|	0.00
166.417	0.00	0.00	0.002	O	|	|	|	|	0.00
166.500	0.00	0.00	0.002	O	|	|	|	|	0.00
166.583	0.00	0.00	0.002	O	|	|	|	|	0.00
166.667	0.00	0.00	0.002	O	|	|	|	|	0.00
166.750	0.00	0.00	0.002	O	|	|	|	|	0.00
166.833	0.00	0.00	0.002	O	|	|	|	|	0.00
166.917	0.00	0.00	0.002	O	|	|	|	|	0.00
167.000	0.00	0.00	0.002	O	|	|	|	|	0.00
167.083	0.00	0.00	0.002	O	|	|	|	|	0.00
167.167	0.00	0.00	0.002	O	|	|	|	|	0.00
167.250	0.00	0.00	0.002	O	|	|	|	|	0.00
167.333	0.00	0.00	0.002	O	|	|	|	|	0.00
167.417	0.00	0.00	0.002	O	|	|	|	|	0.00
167.500	0.00	0.00	0.002	O	|	|	|	|	0.00
167.583	0.00	0.00	0.002	O	|	|	|	|	0.00
167.667	0.00	0.00	0.002	O	|	|	|	|	0.00
167.750	0.00	0.00	0.002	O	|	|	|	|	0.00
167.833	0.00	0.00	0.002	O	|	|	|	|	0.00
167.917	0.00	0.00	0.002	O	|	|	|	|	0.00

168.000	0.00	0.00	0.002	O	|	|	|	|	0.00
168.083	0.00	0.00	0.002	O	|	|	|	|	0.00
168.167	0.00	0.00	0.002	O	|	|	|	|	0.00
168.250	0.00	0.00	0.002	O	|	|	|	|	0.00
168.333	0.00	0.00	0.002	O	|	|	|	|	0.00
168.417	0.00	0.00	0.002	O	|	|	|	|	0.00
168.500	0.00	0.00	0.002	O	|	|	|	|	0.00
168.583	0.00	0.00	0.002	O	|	|	|	|	0.00
168.667	0.00	0.00	0.002	O	|	|	|	|	0.00
168.750	0.00	0.00	0.002	O	|	|	|	|	0.00
168.833	0.00	0.00	0.002	O	|	|	|	|	0.00
168.917	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 2027
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.670 (CFS)
Total volume = 1.853 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRI610.rte

**********HYDROGRAPH DATA**********

Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 23.443 (CFS)
Total volume = 2.692 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN I- ROUTING
10YR-6HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.710	0.360	0.709	0.711
2.000	1.520	0.620	1.518	1.522
3.000	2.440	0.800	2.437	2.443
4.000	3.480	1.790	3.474	3.486
5.000	4.630	26.090	4.540	4.720

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 5.9 11.72 17.58 23.44	Depth (Ft.)
0.083	1.02	0.00	0.004	OI | | | | |	0.00
0.167	1.95	0.01	0.014	O I | | | | |	0.02
0.250	2.23	0.01	0.028	O I | | | | |	0.04
0.333	2.25	0.02	0.043	O I | | | | |	0.06
0.417	2.25	0.03	0.059	O I | | | | |	0.08

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0.500    2.46    0.04      0.075  O  I    |        |        |        |      0.11
0.583    2.60    0.05      0.092  O  I    |        |        |        |      0.13
0.667    2.63    0.06      0.109  O  I    |        |        |        |      0.15
0.750    2.63    0.06      0.127  O  I    |        |        |        |      0.18
0.833    2.63    0.07      0.145  O  I    |        |        |        |      0.20
0.917    2.63    0.08      0.162  O  I    |        |        |        |      0.23
1.000    2.83    0.09      0.180  O  I    |        |        |        |      0.25
1.083    2.98    0.10      0.200  O   I   |        |        |        |      0.28
1.167    3.00    0.11      0.220  O   I   |        |        |        |      0.31
1.250    3.00    0.12      0.240  O   I   |        |        |        |      0.34
1.333    3.00    0.13      0.259  O   I   |        |        |        |      0.37
1.417    3.00    0.14      0.279  O   I   |        |        |        |      0.39
1.500    3.00    0.15      0.299  O   I   |        |        |        |      0.42
1.583    3.00    0.16      0.318  O   I   |        |        |        |      0.45
1.667    3.00    0.17      0.338  O   I   |        |        |        |      0.48
1.750    3.00    0.18      0.357  O   I   |        |        |        |      0.50
1.833    3.00    0.19      0.377  O   I   |        |        |        |      0.53
1.917    3.00    0.20      0.396  O   I   |        |        |        |      0.56
2.000    3.21    0.21      0.416  O   I   |        |        |        |      0.59
2.083    3.15    0.22      0.437  O   I   |        |        |        |      0.61
2.167    3.24    0.23      0.457  O   I   |        |        |        |      0.64
2.250    3.35    0.24      0.478  O   I   |        |        |        |      0.67
2.333    3.38    0.25      0.499  O   I   |        |        |        |      0.70
2.417    3.38    0.26      0.521  O   I   |        |        |        |      0.73
2.500    3.38    0.28      0.542  O   I   |        |        |        |      0.76
2.583    3.38    0.29      0.564  O   I   |        |        |        |      0.79
2.667    3.38    0.30      0.585  O   I   |        |        |        |      0.82
2.750    3.58    0.31      0.607  O   I   |        |        |        |      0.85
2.833    3.73    0.32      0.630  O    I  |        |        |        |      0.89
2.917    3.75    0.33      0.653  O    I  |        |        |        |      0.92
3.000    3.75    0.34      0.677  O    I  |        |        |        |      0.95
3.083    3.75    0.36      0.700  O    I  |        |        |        |      0.99
3.167    3.96    0.36      0.724  O    I  |        |        |        |      1.02
3.250    4.10    0.37      0.750  O    I  |        |        |        |      1.05
3.333    4.13    0.38      0.775  O    I  |        |        |        |      1.08
3.417    4.33    0.39      0.802  O    I  |        |        |        |      1.11
3.500    4.68    0.40      0.830  O     I |        |        |        |      1.15
3.583    5.06    0.41      0.861  O     I |        |        |        |      1.19
3.667    5.23    0.42      0.894  O      I|        |        |        |      1.23
3.750    5.46    0.43      0.928  O      I|        |        |        |      1.27
3.833    5.60    0.44      0.963  O      I|        |        |        |      1.31
3.917    5.84    0.45      0.999  O      I|        |        |        |      1.36
4.000    5.98    0.46      1.036  O       I        |        |        |      1.40
4.083    6.21    0.48      1.075  O       I        |        |        |      1.45
4.167    6.56    0.49      1.116  O       I        |        |        |      1.50
4.250    6.94    0.50      1.159  O       |I       |        |        |      1.55
4.333    7.31    0.52      1.204  O       |I       |        |        |      1.61
4.417    7.69    0.53      1.252  O       | I      |        |        |      1.67
4.500    7.86    0.55      1.302  O       | I      |        |        |      1.73
4.583    8.09    0.57      1.353  O       |  I     |        |        |      1.79
4.667    8.44    0.58      1.406  O       |  I     |        |        |      1.86
4.750    8.81    0.60      1.462  O       |   I    |        |        |      1.93
4.833    8.98    0.62      1.519  O       |   I    |        |        |      2.00
4.917    9.22    0.63      1.577  O       |   I    |        |        |      2.06
5.000    9.59    0.64      1.637  O       |    I   |        |        |      2.13
5.083   11.23    0.66      1.705  O       |      I |        |        |      2.20
5.167   13.74    0.67      1.786  O       |        | I      |        |      2.29
5.250   15.83    0.69      1.883  O       |        |    I   |        |      2.39
5.333   17.51    0.71      1.993  O       |        |      I |        |      2.51
5.417   19.69    0.74      2.116  |O      |        |        | I      |      2.65
5.500   23.44    0.76      2.260  |O      |        |        |       I|      2.80
5.583   15.30    0.79      2.388  |O      |        |   I    |        |      2.94
5.667    6.44    0.82      2.457  |O      |      I |        |        |      3.02
5.750    3.04    0.84      2.484  |O  I   |        |        |        |      3.04
5.833    2.13    0.85      2.496  |OI     |        |        |        |      3.05
5.917    1.50    0.86      2.502  |OI     |        |        |        |      3.06
6.000    0.98    0.86      2.505  |O      |        |        |        |      3.06
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6.083	0.37	0.86	2.504	IO				3.06
6.167	0.05	0.86	2.499	IO				3.06
6.250	0.00	0.85	2.494	IO				3.05
6.333	0.00	0.85	2.488	IO				3.05
6.417	0.00	0.84	2.482	IO				3.04
6.500	0.00	0.83	2.476	IO				3.03
6.583	0.00	0.83	2.470	IO				3.03
6.667	0.00	0.82	2.465	IO				3.02
6.750	0.00	0.82	2.459	IO				3.02
6.833	0.00	0.81	2.453	IO				3.01
6.917	0.00	0.81	2.448	IO				3.01
7.000	0.00	0.80	2.442	IO				3.00
7.083	0.00	0.80	2.437	IO				3.00
7.167	0.00	0.80	2.431	IO				2.99
7.250	0.00	0.80	2.426	IO				2.98
7.333	0.00	0.80	2.420	IO				2.98
7.417	0.00	0.80	2.415	IO				2.97
7.500	0.00	0.79	2.409	IO				2.97
7.583	0.00	0.79	2.404	IO				2.96
7.667	0.00	0.79	2.398	IO				2.95
7.750	0.00	0.79	2.393	IO				2.95
7.833	0.00	0.79	2.388	IO				2.94
7.917	0.00	0.79	2.382	IO				2.94
8.000	0.00	0.79	2.377	IO				2.93
8.083	0.00	0.79	2.371	IO				2.93
8.167	0.00	0.79	2.366	IO				2.92
8.250	0.00	0.78	2.360	IO				2.91
8.333	0.00	0.78	2.355	IO				2.91
8.417	0.00	0.78	2.350	IO				2.90
8.500	0.00	0.78	2.344	IO				2.90
8.583	0.00	0.78	2.339	IO				2.89
8.667	0.00	0.78	2.334	IO				2.88
8.750	0.00	0.78	2.328	IO				2.88
8.833	0.00	0.78	2.323	IO				2.87
8.917	0.00	0.78	2.317	IO				2.87
9.000	0.00	0.77	2.312	IO				2.86
9.083	0.00	0.77	2.307	IO				2.86
9.167	0.00	0.77	2.301	IO				2.85
9.250	0.00	0.77	2.296	IO				2.84
9.333	0.00	0.77	2.291	IO				2.84
9.417	0.00	0.77	2.286	IO				2.83
9.500	0.00	0.77	2.280	IO				2.83
9.583	0.00	0.77	2.275	IO				2.82
9.667	0.00	0.77	2.270	IO				2.81
9.750	0.00	0.77	2.264	IO				2.81
9.833	0.00	0.76	2.259	IO				2.80
9.917	0.00	0.76	2.254	IO				2.80
10.000	0.00	0.76	2.249	IO				2.79
10.083	0.00	0.76	2.243	IO				2.79
10.167	0.00	0.76	2.238	IO				2.78
10.250	0.00	0.76	2.233	IO				2.77
10.333	0.00	0.76	2.228	IO				2.77
10.417	0.00	0.76	2.222	IO				2.76
10.500	0.00	0.76	2.217	IO				2.76
10.583	0.00	0.76	2.212	IO				2.75
10.667	0.00	0.75	2.207	IO				2.75
10.750	0.00	0.75	2.202	IO				2.74
10.833	0.00	0.75	2.196	IO				2.74
10.917	0.00	0.75	2.191	IO				2.73
11.000	0.00	0.75	2.186	IO				2.72
11.083	0.00	0.75	2.181	IO				2.72
11.167	0.00	0.75	2.176	IO				2.71
11.250	0.00	0.75	2.171	IO				2.71
11.333	0.00	0.75	2.165	IO				2.70
11.417	0.00	0.75	2.160	IO				2.70
11.500	0.00	0.74	2.155	IO				2.69
11.583	0.00	0.74	2.150	IO				2.68

11.667	0.00	0.74	2.145	IO					2.68
11.750	0.00	0.74	2.140	IO					2.67
11.833	0.00	0.74	2.135	IO					2.67
11.917	0.00	0.74	2.130	IO					2.66
12.000	0.00	0.74	2.125	IO					2.66
12.083	0.00	0.74	2.119	IO					2.65
12.167	0.00	0.74	2.114	IO					2.65
12.250	0.00	0.74	2.109	IO					2.64
12.333	0.00	0.73	2.104	IO					2.64
12.417	0.00	0.73	2.099	IO					2.63
12.500	0.00	0.73	2.094	O					2.62
12.583	0.00	0.73	2.089	O					2.62
12.667	0.00	0.73	2.084	O					2.61
12.750	0.00	0.73	2.079	O					2.61
12.833	0.00	0.73	2.074	O					2.60
12.917	0.00	0.73	2.069	O					2.60
13.000	0.00	0.73	2.064	O					2.59
13.083	0.00	0.73	2.059	O					2.59
13.167	0.00	0.72	2.054	O					2.58
13.250	0.00	0.72	2.049	O					2.58
13.333	0.00	0.72	2.044	O					2.57
13.417	0.00	0.72	2.039	O					2.56
13.500	0.00	0.72	2.034	O					2.56
13.583	0.00	0.72	2.029	O					2.55
13.667	0.00	0.72	2.024	O					2.55
13.750	0.00	0.72	2.019	O					2.54
13.833	0.00	0.72	2.014	O					2.54
13.917	0.00	0.72	2.009	O					2.53
14.000	0.00	0.71	2.004	O					2.53
14.083	0.00	0.71	2.000	O					2.52
14.167	0.00	0.71	1.995	O					2.52
14.250	0.00	0.71	1.990	O					2.51
14.333	0.00	0.71	1.985	O					2.51
14.417	0.00	0.71	1.980	O					2.50
14.500	0.00	0.71	1.975	O					2.49
14.583	0.00	0.71	1.970	O					2.49
14.667	0.00	0.71	1.965	O					2.48
14.750	0.00	0.71	1.960	O					2.48
14.833	0.00	0.71	1.956	O					2.47
14.917	0.00	0.70	1.951	O					2.47
15.000	0.00	0.70	1.946	O					2.46
15.083	0.00	0.70	1.941	O					2.46
15.167	0.00	0.70	1.936	O					2.45
15.250	0.00	0.70	1.931	O					2.45
15.333	0.00	0.70	1.927	O					2.44
15.417	0.00	0.70	1.922	O					2.44
15.500	0.00	0.70	1.917	O					2.43
15.583	0.00	0.70	1.912	O					2.43
15.667	0.00	0.70	1.907	O					2.42
15.750	0.00	0.69	1.903	O					2.42
15.833	0.00	0.69	1.898	O					2.41
15.917	0.00	0.69	1.893	O					2.41
16.000	0.00	0.69	1.888	O					2.40
16.083	0.00	0.69	1.883	O					2.40
16.167	0.00	0.69	1.879	O					2.39
16.250	0.00	0.69	1.874	O					2.38
16.333	0.00	0.69	1.869	O					2.38
16.417	0.00	0.69	1.864	O					2.37
16.500	0.00	0.69	1.860	O					2.37
16.583	0.00	0.69	1.855	O					2.36
16.667	0.00	0.68	1.850	O					2.36
16.750	0.00	0.68	1.846	O					2.35
16.833	0.00	0.68	1.841	O					2.35
16.917	0.00	0.68	1.836	O					2.34
17.000	0.00	0.68	1.832	O					2.34
17.083	0.00	0.68	1.827	O					2.33
17.167	0.00	0.68	1.822	O					2.33

17.250	0.00	0.68	1.817	O	|	|	|	2.32
17.333	0.00	0.68	1.813	O	|	|	|	2.32
17.417	0.00	0.68	1.808	O	|	|	|	2.31
17.500	0.00	0.68	1.803	O	|	|	|	2.31
17.583	0.00	0.67	1.799	O	|	|	|	2.30
17.667	0.00	0.67	1.794	O	|	|	|	2.30
17.750	0.00	0.67	1.790	O	|	|	|	2.29
17.833	0.00	0.67	1.785	O	|	|	|	2.29
17.917	0.00	0.67	1.780	O	|	|	|	2.28
18.000	0.00	0.67	1.776	O	|	|	|	2.28
18.083	0.00	0.67	1.771	O	|	|	|	2.27
18.167	0.00	0.67	1.766	O	|	|	|	2.27
18.250	0.00	0.67	1.762	O	|	|	|	2.26
18.333	0.00	0.67	1.757	O	|	|	|	2.26
18.417	0.00	0.67	1.753	O	|	|	|	2.25
18.500	0.00	0.66	1.748	O	|	|	|	2.25
18.583	0.00	0.66	1.744	O	|	|	|	2.24
18.667	0.00	0.66	1.739	O	|	|	|	2.24
18.750	0.00	0.66	1.734	O	|	|	|	2.23
18.833	0.00	0.66	1.730	O	|	|	|	2.23
18.917	0.00	0.66	1.725	O	|	|	|	2.22
19.000	0.00	0.66	1.721	O	|	|	|	2.22
19.083	0.00	0.66	1.716	O	|	|	|	2.21
19.167	0.00	0.66	1.712	O	|	|	|	2.21
19.250	0.00	0.66	1.707	O	|	|	|	2.20
19.333	0.00	0.66	1.703	O	|	|	|	2.20
19.417	0.00	0.65	1.698	O	|	|	|	2.19
19.500	0.00	0.65	1.694	O	|	|	|	2.19
19.583	0.00	0.65	1.689	O	|	|	|	2.18
19.667	0.00	0.65	1.685	O	|	|	|	2.18
19.750	0.00	0.65	1.680	O	|	|	|	2.17
19.833	0.00	0.65	1.676	O	|	|	|	2.17
19.917	0.00	0.65	1.671	O	|	|	|	2.16
20.000	0.00	0.65	1.667	O	|	|	|	2.16
20.083	0.00	0.65	1.662	O	|	|	|	2.15
20.167	0.00	0.65	1.658	O	|	|	|	2.15
20.250	0.00	0.65	1.653	O	|	|	|	2.14
20.333	0.00	0.65	1.649	O	|	|	|	2.14
20.417	0.00	0.64	1.644	O	|	|	|	2.14
20.500	0.00	0.64	1.640	O	|	|	|	2.13
20.583	0.00	0.64	1.636	O	|	|	|	2.13
20.667	0.00	0.64	1.631	O	|	|	|	2.12
20.750	0.00	0.64	1.627	O	|	|	|	2.12
20.833	0.00	0.64	1.622	O	|	|	|	2.11
20.917	0.00	0.64	1.618	O	|	|	|	2.11
21.000	0.00	0.64	1.614	O	|	|	|	2.10
21.083	0.00	0.64	1.609	O	|	|	|	2.10
21.167	0.00	0.64	1.605	O	|	|	|	2.09
21.250	0.00	0.64	1.600	O	|	|	|	2.09
21.333	0.00	0.63	1.596	O	|	|	|	2.08
21.417	0.00	0.63	1.592	O	|	|	|	2.08
21.500	0.00	0.63	1.587	O	|	|	|	2.07
21.583	0.00	0.63	1.583	O	|	|	|	2.07
21.667	0.00	0.63	1.579	O	|	|	|	2.06
21.750	0.00	0.63	1.574	O	|	|	|	2.06
21.833	0.00	0.63	1.570	O	|	|	|	2.05
21.917	0.00	0.63	1.566	O	|	|	|	2.05
22.000	0.00	0.63	1.561	O	|	|	|	2.04
22.083	0.00	0.63	1.557	O	|	|	|	2.04
22.167	0.00	0.63	1.553	O	|	|	|	2.04
22.250	0.00	0.63	1.548	O	|	|	|	2.03
22.333	0.00	0.62	1.544	O	|	|	|	2.03
22.417	0.00	0.62	1.540	O	|	|	|	2.02
22.500	0.00	0.62	1.535	O	|	|	|	2.02
22.583	0.00	0.62	1.531	O	|	|	|	2.01
22.667	0.00	0.62	1.527	O	|	|	|	2.01
22.750	0.00	0.62	1.523	O	|	|	|	2.00

22.833	0.00	0.62	1.518	O	|	|	|	2.00
22.917	0.00	0.62	1.514	O	|	|	|	1.99
23.000	0.00	0.62	1.510	O	|	|	|	1.99
23.083	0.00	0.62	1.505	O	|	|	|	1.98
23.167	0.00	0.61	1.501	O	|	|	|	1.98
23.250	0.00	0.61	1.497	O	|	|	|	1.97
23.333	0.00	0.61	1.493	O	|	|	|	1.97
23.417	0.00	0.61	1.489	O	|	|	|	1.96
23.500	0.00	0.61	1.484	O	|	|	|	1.96
23.583	0.00	0.61	1.480	O	|	|	|	1.95
23.667	0.00	0.61	1.476	O	|	|	|	1.95
23.750	0.00	0.60	1.472	O	|	|	|	1.94
23.833	0.00	0.60	1.468	O	|	|	|	1.94
23.917	0.00	0.60	1.464	O	|	|	|	1.93
24.000	0.00	0.60	1.459	O	|	|	|	1.93
24.083	0.00	0.60	1.455	O	|	|	|	1.92
24.167	0.00	0.60	1.451	O	|	|	|	1.92
24.250	0.00	0.60	1.447	O	|	|	|	1.91
24.333	0.00	0.60	1.443	O	|	|	|	1.90
24.417	0.00	0.59	1.439	O	|	|	|	1.90
24.500	0.00	0.59	1.435	O	|	|	|	1.89
24.583	0.00	0.59	1.431	O	|	|	|	1.89
24.667	0.00	0.59	1.427	O	|	|	|	1.88
24.750	0.00	0.59	1.423	O	|	|	|	1.88
24.833	0.00	0.59	1.419	O	|	|	|	1.87
24.917	0.00	0.59	1.414	O	|	|	|	1.87
25.000	0.00	0.58	1.410	O	|	|	|	1.86
25.083	0.00	0.58	1.406	O	|	|	|	1.86
25.167	0.00	0.58	1.402	O	|	|	|	1.85
25.250	0.00	0.58	1.398	O	|	|	|	1.85
25.333	0.00	0.58	1.394	O	|	|	|	1.84
25.417	0.00	0.58	1.390	O	|	|	|	1.84
25.500	0.00	0.58	1.386	O	|	|	|	1.84
25.583	0.00	0.58	1.382	O	|	|	|	1.83
25.667	0.00	0.57	1.379	O	|	|	|	1.83
25.750	0.00	0.57	1.375	O	|	|	|	1.82
25.833	0.00	0.57	1.371	O	|	|	|	1.82
25.917	0.00	0.57	1.367	O	|	|	|	1.81
26.000	0.00	0.57	1.363	O	|	|	|	1.81
26.083	0.00	0.57	1.359	O	|	|	|	1.80
26.167	0.00	0.57	1.355	O	|	|	|	1.80
26.250	0.00	0.57	1.351	O	|	|	|	1.79
26.333	0.00	0.56	1.347	O	|	|	|	1.79
26.417	0.00	0.56	1.343	O	|	|	|	1.78
26.500	0.00	0.56	1.339	O	|	|	|	1.78
26.583	0.00	0.56	1.336	O	|	|	|	1.77
26.667	0.00	0.56	1.332	O	|	|	|	1.77
26.750	0.00	0.56	1.328	O	|	|	|	1.76
26.833	0.00	0.56	1.324	O	|	|	|	1.76
26.917	0.00	0.56	1.320	O	|	|	|	1.75
27.000	0.00	0.55	1.316	O	|	|	|	1.75
27.083	0.00	0.55	1.312	O	|	|	|	1.74
27.167	0.00	0.55	1.309	O	|	|	|	1.74
27.250	0.00	0.55	1.305	O	|	|	|	1.73
27.333	0.00	0.55	1.301	O	|	|	|	1.73
27.417	0.00	0.55	1.297	O	|	|	|	1.73
27.500	0.00	0.55	1.294	O	|	|	|	1.72
27.583	0.00	0.55	1.290	O	|	|	|	1.72
27.667	0.00	0.54	1.286	O	|	|	|	1.71
27.750	0.00	0.54	1.282	O	|	|	|	1.71
27.833	0.00	0.54	1.279	O	|	|	|	1.70
27.917	0.00	0.54	1.275	O	|	|	|	1.70
28.000	0.00	0.54	1.271	O	|	|	|	1.69
28.083	0.00	0.54	1.267	O	|	|	|	1.69
28.167	0.00	0.54	1.264	O	|	|	|	1.68
28.250	0.00	0.54	1.260	O	|	|	|	1.68
28.333	0.00	0.54	1.256	O	|	|	|	1.67

28.417	0.00	0.53	1.253	O	|	|	|	|	1.67
28.500	0.00	0.53	1.249	O	|	|	|	|	1.67
28.583	0.00	0.53	1.245	O	|	|	|	|	1.66
28.667	0.00	0.53	1.242	O	|	|	|	|	1.66
28.750	0.00	0.53	1.238	O	|	|	|	|	1.65
28.833	0.00	0.53	1.234	O	|	|	|	|	1.65
28.917	0.00	0.53	1.231	O	|	|	|	|	1.64
29.000	0.00	0.53	1.227	O	|	|	|	|	1.64
29.083	0.00	0.52	1.223	O	|	|	|	|	1.63
29.167	0.00	0.52	1.220	O	|	|	|	|	1.63
29.250	0.00	0.52	1.216	O	|	|	|	|	1.62
29.333	0.00	0.52	1.213	O	|	|	|	|	1.62
29.417	0.00	0.52	1.209	O	|	|	|	|	1.62
29.500	0.00	0.52	1.205	O	|	|	|	|	1.61
29.583	0.00	0.52	1.202	O	|	|	|	|	1.61
29.667	0.00	0.52	1.198	O	|	|	|	|	1.60
29.750	0.00	0.52	1.195	O	|	|	|	|	1.60
29.833	0.00	0.51	1.191	O	|	|	|	|	1.59
29.917	0.00	0.51	1.188	O	|	|	|	|	1.59
30.000	0.00	0.51	1.184	O	|	|	|	|	1.59
30.083	0.00	0.51	1.181	O	|	|	|	|	1.58
30.167	0.00	0.51	1.177	O	|	|	|	|	1.58
30.250	0.00	0.51	1.174	O	|	|	|	|	1.57
30.333	0.00	0.51	1.170	O	|	|	|	|	1.57
30.417	0.00	0.51	1.167	O	|	|	|	|	1.56
30.500	0.00	0.51	1.163	O	|	|	|	|	1.56
30.583	0.00	0.50	1.160	O	|	|	|	|	1.56
30.667	0.00	0.50	1.156	O	|	|	|	|	1.55
30.750	0.00	0.50	1.153	O	|	|	|	|	1.55
30.833	0.00	0.50	1.149	O	|	|	|	|	1.54
30.917	0.00	0.50	1.146	O	|	|	|	|	1.54
31.000	0.00	0.50	1.142	O	|	|	|	|	1.53
31.083	0.00	0.50	1.139	O	|	|	|	|	1.53
31.167	0.00	0.50	1.135	O	|	|	|	|	1.53
31.250	0.00	0.50	1.132	O	|	|	|	|	1.52
31.333	0.00	0.49	1.129	O	|	|	|	|	1.52
31.417	0.00	0.49	1.125	O	|	|	|	|	1.51
31.500	0.00	0.49	1.122	O	|	|	|	|	1.51
31.583	0.00	0.49	1.118	O	|	|	|	|	1.50
31.667	0.00	0.49	1.115	O	|	|	|	|	1.50
31.750	0.00	0.49	1.112	O	|	|	|	|	1.50
31.833	0.00	0.49	1.108	O	|	|	|	|	1.49
31.917	0.00	0.49	1.105	O	|	|	|	|	1.49
32.000	0.00	0.49	1.102	O	|	|	|	|	1.48
32.083	0.00	0.48	1.098	O	|	|	|	|	1.48
32.167	0.00	0.48	1.095	O	|	|	|	|	1.48
32.250	0.00	0.48	1.092	O	|	|	|	|	1.47
32.333	0.00	0.48	1.088	O	|	|	|	|	1.47
32.417	0.00	0.48	1.085	O	|	|	|	|	1.46
32.500	0.00	0.48	1.082	O	|	|	|	|	1.46
32.583	0.00	0.48	1.078	O	|	|	|	|	1.45
32.667	0.00	0.48	1.075	O	|	|	|	|	1.45
32.750	0.00	0.48	1.072	O	|	|	|	|	1.45
32.833	0.00	0.48	1.069	O	|	|	|	|	1.44
32.917	0.00	0.47	1.065	O	|	|	|	|	1.44
33.000	0.00	0.47	1.062	O	|	|	|	|	1.43
33.083	0.00	0.47	1.059	O	|	|	|	|	1.43
33.167	0.00	0.47	1.056	O	|	|	|	|	1.43
33.250	0.00	0.47	1.052	O	|	|	|	|	1.42
33.333	0.00	0.47	1.049	O	|	|	|	|	1.42
33.417	0.00	0.47	1.046	O	|	|	|	|	1.41
33.500	0.00	0.47	1.043	O	|	|	|	|	1.41
33.583	0.00	0.47	1.039	O	|	|	|	|	1.41
33.667	0.00	0.46	1.036	O	|	|	|	|	1.40
33.750	0.00	0.46	1.033	O	|	|	|	|	1.40
33.833	0.00	0.46	1.030	O	|	|	|	|	1.39
33.917	0.00	0.46	1.027	O	|	|	|	|	1.39

34.000	0.00	0.46	1.023	O	|	|	|	|	1.39
34.083	0.00	0.46	1.020	O	|	|	|	|	1.38
34.167	0.00	0.46	1.017	O	|	|	|	|	1.38
34.250	0.00	0.46	1.014	O	|	|	|	|	1.38
34.333	0.00	0.46	1.011	O	|	|	|	|	1.37
34.417	0.00	0.46	1.008	O	|	|	|	|	1.37
34.500	0.00	0.45	1.005	O	|	|	|	|	1.36
34.583	0.00	0.45	1.001	O	|	|	|	|	1.36
34.667	0.00	0.45	0.998	O	|	|	|	|	1.36
34.750	0.00	0.45	0.995	O	|	|	|	|	1.35
34.833	0.00	0.45	0.992	O	|	|	|	|	1.35
34.917	0.00	0.45	0.989	O	|	|	|	|	1.34
35.000	0.00	0.45	0.986	O	|	|	|	|	1.34
35.083	0.00	0.45	0.983	O	|	|	|	|	1.34
35.167	0.00	0.45	0.980	O	|	|	|	|	1.33
35.250	0.00	0.45	0.977	O	|	|	|	|	1.33
35.333	0.00	0.44	0.974	O	|	|	|	|	1.33
35.417	0.00	0.44	0.971	O	|	|	|	|	1.32
35.500	0.00	0.44	0.967	O	|	|	|	|	1.32
35.583	0.00	0.44	0.964	O	|	|	|	|	1.31
35.667	0.00	0.44	0.961	O	|	|	|	|	1.31
35.750	0.00	0.44	0.958	O	|	|	|	|	1.31
35.833	0.00	0.44	0.955	O	|	|	|	|	1.30
35.917	0.00	0.44	0.952	O	|	|	|	|	1.30
36.000	0.00	0.44	0.949	O	|	|	|	|	1.30
36.083	0.00	0.44	0.946	O	|	|	|	|	1.29
36.167	0.00	0.43	0.943	O	|	|	|	|	1.29
36.250	0.00	0.43	0.940	O	|	|	|	|	1.28
36.333	0.00	0.43	0.937	O	|	|	|	|	1.28
36.417	0.00	0.43	0.934	O	|	|	|	|	1.28
36.500	0.00	0.43	0.931	O	|	|	|	|	1.27
36.583	0.00	0.43	0.928	O	|	|	|	|	1.27
36.667	0.00	0.43	0.925	O	|	|	|	|	1.27
36.750	0.00	0.43	0.923	O	|	|	|	|	1.26
36.833	0.00	0.43	0.920	O	|	|	|	|	1.26
36.917	0.00	0.43	0.917	O	|	|	|	|	1.26
37.000	0.00	0.43	0.914	O	|	|	|	|	1.25
37.083	0.00	0.42	0.911	O	|	|	|	|	1.25
37.167	0.00	0.42	0.908	O	|	|	|	|	1.24
37.250	0.00	0.42	0.905	O	|	|	|	|	1.24
37.333	0.00	0.42	0.902	O	|	|	|	|	1.24
37.417	0.00	0.42	0.899	O	|	|	|	|	1.23
37.500	0.00	0.42	0.896	O	|	|	|	|	1.23
37.583	0.00	0.42	0.893	O	|	|	|	|	1.23
37.667	0.00	0.42	0.890	O	|	|	|	|	1.22
37.750	0.00	0.42	0.888	O	|	|	|	|	1.22
37.833	0.00	0.42	0.885	O	|	|	|	|	1.22
37.917	0.00	0.42	0.882	O	|	|	|	|	1.21
38.000	0.00	0.41	0.879	O	|	|	|	|	1.21
38.083	0.00	0.41	0.876	O	|	|	|	|	1.21
38.167	0.00	0.41	0.873	O	|	|	|	|	1.20
38.250	0.00	0.41	0.870	O	|	|	|	|	1.20
38.333	0.00	0.41	0.868	O	|	|	|	|	1.19
38.417	0.00	0.41	0.865	O	|	|	|	|	1.19
38.500	0.00	0.41	0.862	O	|	|	|	|	1.19
38.583	0.00	0.41	0.859	O	|	|	|	|	1.18
38.667	0.00	0.41	0.856	O	|	|	|	|	1.18
38.750	0.00	0.41	0.854	O	|	|	|	|	1.18
38.833	0.00	0.41	0.851	O	|	|	|	|	1.17
38.917	0.00	0.40	0.848	O	|	|	|	|	1.17
39.000	0.00	0.40	0.845	O	|	|	|	|	1.17
39.083	0.00	0.40	0.842	O	|	|	|	|	1.16
39.167	0.00	0.40	0.840	O	|	|	|	|	1.16
39.250	0.00	0.40	0.837	O	|	|	|	|	1.16
39.333	0.00	0.40	0.834	O	|	|	|	|	1.15
39.417	0.00	0.40	0.831	O	|	|	|	|	1.15
39.500	0.00	0.40	0.829	O	|	|	|	|	1.15

39.583	0.00	0.40	0.826	O	|	|	|	1.14
39.667	0.00	0.40	0.823	O	|	|	|	1.14
39.750	0.00	0.40	0.820	O	|	|	|	1.14
39.833	0.00	0.39	0.818	O	|	|	|	1.13
39.917	0.00	0.39	0.815	O	|	|	|	1.13
40.000	0.00	0.39	0.812	O	|	|	|	1.13
40.083	0.00	0.39	0.810	O	|	|	|	1.12
40.167	0.00	0.39	0.807	O	|	|	|	1.12
40.250	0.00	0.39	0.804	O	|	|	|	1.12
40.333	0.00	0.39	0.802	O	|	|	|	1.11
40.417	0.00	0.39	0.799	O	|	|	|	1.11
40.500	0.00	0.39	0.796	O	|	|	|	1.11
40.583	0.00	0.39	0.794	O	|	|	|	1.10
40.667	0.00	0.39	0.791	O	|	|	|	1.10
40.750	0.00	0.39	0.788	O	|	|	|	1.10
40.833	0.00	0.38	0.786	O	|	|	|	1.09
40.917	0.00	0.38	0.783	O	|	|	|	1.09
41.000	0.00	0.38	0.780	O	|	|	|	1.09
41.083	0.00	0.38	0.778	O	|	|	|	1.08
41.167	0.00	0.38	0.775	O	|	|	|	1.08
41.250	0.00	0.38	0.772	O	|	|	|	1.08
41.333	0.00	0.38	0.770	O	|	|	|	1.07
41.417	0.00	0.38	0.767	O	|	|	|	1.07
41.500	0.00	0.38	0.765	O	|	|	|	1.07
41.583	0.00	0.38	0.762	O	|	|	|	1.06
41.667	0.00	0.38	0.759	O	|	|	|	1.06
41.750	0.00	0.38	0.757	O	|	|	|	1.06
41.833	0.00	0.37	0.754	O	|	|	|	1.05
41.917	0.00	0.37	0.752	O	|	|	|	1.05
42.000	0.00	0.37	0.749	O	|	|	|	1.05
42.083	0.00	0.37	0.747	O	|	|	|	1.05
42.167	0.00	0.37	0.744	O	|	|	|	1.04
42.250	0.00	0.37	0.741	O	|	|	|	1.04
42.333	0.00	0.37	0.739	O	|	|	|	1.04
42.417	0.00	0.37	0.736	O	|	|	|	1.03
42.500	0.00	0.37	0.734	O	|	|	|	1.03
42.583	0.00	0.37	0.731	O	|	|	|	1.03
42.667	0.00	0.37	0.729	O	|	|	|	1.02
42.750	0.00	0.37	0.726	O	|	|	|	1.02
42.833	0.00	0.36	0.724	O	|	|	|	1.02
42.917	0.00	0.36	0.721	O	|	|	|	1.01
43.000	0.00	0.36	0.719	O	|	|	|	1.01
43.083	0.00	0.36	0.716	O	|	|	|	1.01
43.167	0.00	0.36	0.714	O	|	|	|	1.00
43.250	0.00	0.36	0.711	O	|	|	|	1.00
43.333	0.00	0.36	0.709	O	|	|	|	1.00
43.417	0.00	0.36	0.706	O	|	|	|	0.99
43.500	0.00	0.36	0.704	O	|	|	|	0.99
43.583	0.00	0.36	0.701	O	|	|	|	0.99
43.667	0.00	0.35	0.699	O	|	|	|	0.98
43.750	0.00	0.35	0.696	O	|	|	|	0.98
43.833	0.00	0.35	0.694	O	|	|	|	0.98
43.917	0.00	0.35	0.692	O	|	|	|	0.97
44.000	0.00	0.35	0.689	O	|	|	|	0.97
44.083	0.00	0.35	0.687	O	|	|	|	0.97
44.167	0.00	0.35	0.684	O	|	|	|	0.96
44.250	0.00	0.35	0.682	O	|	|	|	0.96
44.333	0.00	0.34	0.680	O	|	|	|	0.96
44.417	0.00	0.34	0.677	O	|	|	|	0.95
44.500	0.00	0.34	0.675	O	|	|	|	0.95
44.583	0.00	0.34	0.673	O	|	|	|	0.95
44.667	0.00	0.34	0.670	O	|	|	|	0.94
44.750	0.00	0.34	0.668	O	|	|	|	0.94
44.833	0.00	0.34	0.666	O	|	|	|	0.94
44.917	0.00	0.34	0.663	O	|	|	|	0.93
45.000	0.00	0.34	0.661	O	|	|	|	0.93
45.083	0.00	0.33	0.659	O	|	|	|	0.93

45.167	0.00	0.33	0.656	O	|	|	|	0.92
45.250	0.00	0.33	0.654	O	|	|	|	0.92
45.333	0.00	0.33	0.652	O	|	|	|	0.92
45.417	0.00	0.33	0.649	O	|	|	|	0.91
45.500	0.00	0.33	0.647	O	|	|	|	0.91
45.583	0.00	0.33	0.645	O	|	|	|	0.91
45.667	0.00	0.33	0.643	O	|	|	|	0.91
45.750	0.00	0.32	0.640	O	|	|	|	0.90
45.833	0.00	0.32	0.638	O	|	|	|	0.90
45.917	0.00	0.32	0.636	O	|	|	|	0.90
46.000	0.00	0.32	0.634	O	|	|	|	0.89
46.083	0.00	0.32	0.632	O	|	|	|	0.89
46.167	0.00	0.32	0.629	O	|	|	|	0.89
46.250	0.00	0.32	0.627	O	|	|	|	0.88
46.333	0.00	0.32	0.625	O	|	|	|	0.88
46.417	0.00	0.32	0.623	O	|	|	|	0.88
46.500	0.00	0.31	0.621	O	|	|	|	0.87
46.583	0.00	0.31	0.619	O	|	|	|	0.87
46.667	0.00	0.31	0.616	O	|	|	|	0.87
46.750	0.00	0.31	0.614	O	|	|	|	0.87
46.833	0.00	0.31	0.612	O	|	|	|	0.86
46.917	0.00	0.31	0.610	O	|	|	|	0.86
47.000	0.00	0.31	0.608	O	|	|	|	0.86
47.083	0.00	0.31	0.606	O	|	|	|	0.85
47.167	0.00	0.31	0.604	O	|	|	|	0.85
47.250	0.00	0.30	0.601	O	|	|	|	0.85
47.333	0.00	0.30	0.599	O	|	|	|	0.84
47.417	0.00	0.30	0.597	O	|	|	|	0.84
47.500	0.00	0.30	0.595	O	|	|	|	0.84
47.583	0.00	0.30	0.593	O	|	|	|	0.84
47.667	0.00	0.30	0.591	O	|	|	|	0.83
47.750	0.00	0.30	0.589	O	|	|	|	0.83
47.833	0.00	0.30	0.587	O	|	|	|	0.83
47.917	0.00	0.30	0.585	O	|	|	|	0.82
48.000	0.00	0.30	0.583	O	|	|	|	0.82
48.083	0.00	0.29	0.581	O	|	|	|	0.82
48.167	0.00	0.29	0.579	O	|	|	|	0.82
48.250	0.00	0.29	0.577	O	|	|	|	0.81
48.333	0.00	0.29	0.575	O	|	|	|	0.81
48.417	0.00	0.29	0.573	O	|	|	|	0.81
48.500	0.00	0.29	0.571	O	|	|	|	0.80
48.583	0.00	0.29	0.569	O	|	|	|	0.80
48.667	0.00	0.29	0.567	O	|	|	|	0.80
48.750	0.00	0.29	0.565	O	|	|	|	0.80
48.833	0.00	0.29	0.563	O	|	|	|	0.79
48.917	0.00	0.28	0.561	O	|	|	|	0.79
49.000	0.00	0.28	0.559	O	|	|	|	0.79
49.083	0.00	0.28	0.557	O	|	|	|	0.78
49.167	0.00	0.28	0.555	O	|	|	|	0.78
49.250	0.00	0.28	0.553	O	|	|	|	0.78
49.333	0.00	0.28	0.551	O	|	|	|	0.78
49.417	0.00	0.28	0.549	O	|	|	|	0.77
49.500	0.00	0.28	0.547	O	|	|	|	0.77
49.583	0.00	0.28	0.545	O	|	|	|	0.77
49.667	0.00	0.28	0.544	O	|	|	|	0.77
49.750	0.00	0.27	0.542	O	|	|	|	0.76
49.833	0.00	0.27	0.540	O	|	|	|	0.76
49.917	0.00	0.27	0.538	O	|	|	|	0.76
50.000	0.00	0.27	0.536	O	|	|	|	0.75
50.083	0.00	0.27	0.534	O	|	|	|	0.75
50.167	0.00	0.27	0.532	O	|	|	|	0.75
50.250	0.00	0.27	0.530	O	|	|	|	0.75
50.333	0.00	0.27	0.529	O	|	|	|	0.74
50.417	0.00	0.27	0.527	O	|	|	|	0.74
50.500	0.00	0.27	0.525	O	|	|	|	0.74
50.583	0.00	0.27	0.523	O	|	|	|	0.74
50.667	0.00	0.26	0.521	O	|	|	|	0.73

50.750	0.00	0.26	0.519	O	|	|	|	0.73
50.833	0.00	0.26	0.518	O	|	|	|	0.73
50.917	0.00	0.26	0.516	O	|	|	|	0.73
51.000	0.00	0.26	0.514	O	|	|	|	0.72
51.083	0.00	0.26	0.512	O	|	|	|	0.72
51.167	0.00	0.26	0.510	O	|	|	|	0.72
51.250	0.00	0.26	0.509	O	|	|	|	0.72
51.333	0.00	0.26	0.507	O	|	|	|	0.71
51.417	0.00	0.26	0.505	O	|	|	|	0.71
51.500	0.00	0.26	0.503	O	|	|	|	0.71
51.583	0.00	0.25	0.502	O	|	|	|	0.71
51.667	0.00	0.25	0.500	O	|	|	|	0.70
51.750	0.00	0.25	0.498	O	|	|	|	0.70
51.833	0.00	0.25	0.496	O	|	|	|	0.70
51.917	0.00	0.25	0.495	O	|	|	|	0.70
52.000	0.00	0.25	0.493	O	|	|	|	0.69
52.083	0.00	0.25	0.491	O	|	|	|	0.69
52.167	0.00	0.25	0.489	O	|	|	|	0.69
52.250	0.00	0.25	0.488	O	|	|	|	0.69
52.333	0.00	0.25	0.486	O	|	|	|	0.68
52.417	0.00	0.25	0.484	O	|	|	|	0.68
52.500	0.00	0.24	0.483	O	|	|	|	0.68
52.583	0.00	0.24	0.481	O	|	|	|	0.68
52.667	0.00	0.24	0.479	O	|	|	|	0.68
52.750	0.00	0.24	0.478	O	|	|	|	0.67
52.833	0.00	0.24	0.476	O	|	|	|	0.67
52.917	0.00	0.24	0.474	O	|	|	|	0.67
53.000	0.00	0.24	0.473	O	|	|	|	0.67
53.083	0.00	0.24	0.471	O	|	|	|	0.66
53.167	0.00	0.24	0.469	O	|	|	|	0.66
53.250	0.00	0.24	0.468	O	|	|	|	0.66
53.333	0.00	0.24	0.466	O	|	|	|	0.66
53.417	0.00	0.24	0.464	O	|	|	|	0.65
53.500	0.00	0.23	0.463	O	|	|	|	0.65
53.583	0.00	0.23	0.461	O	|	|	|	0.65
53.667	0.00	0.23	0.460	O	|	|	|	0.65
53.750	0.00	0.23	0.458	O	|	|	|	0.65
53.833	0.00	0.23	0.456	O	|	|	|	0.64
53.917	0.00	0.23	0.455	O	|	|	|	0.64
54.000	0.00	0.23	0.453	O	|	|	|	0.64
54.083	0.00	0.23	0.452	O	|	|	|	0.64
54.167	0.00	0.23	0.450	O	|	|	|	0.63
54.250	0.00	0.23	0.449	O	|	|	|	0.63
54.333	0.00	0.23	0.447	O	|	|	|	0.63
54.417	0.00	0.23	0.445	O	|	|	|	0.63
54.500	0.00	0.23	0.444	O	|	|	|	0.63
54.583	0.00	0.22	0.442	O	|	|	|	0.62
54.667	0.00	0.22	0.441	O	|	|	|	0.62
54.750	0.00	0.22	0.439	O	|	|	|	0.62
54.833	0.00	0.22	0.438	O	|	|	|	0.62
54.917	0.00	0.22	0.436	O	|	|	|	0.61
55.000	0.00	0.22	0.435	O	|	|	|	0.61
55.083	0.00	0.22	0.433	O	|	|	|	0.61
55.167	0.00	0.22	0.432	O	|	|	|	0.61
55.250	0.00	0.22	0.430	O	|	|	|	0.61
55.333	0.00	0.22	0.429	O	|	|	|	0.60
55.417	0.00	0.22	0.427	O	|	|	|	0.60
55.500	0.00	0.22	0.426	O	|	|	|	0.60
55.583	0.00	0.22	0.424	O	|	|	|	0.60
55.667	0.00	0.21	0.423	O	|	|	|	0.60
55.750	0.00	0.21	0.421	O	|	|	|	0.59
55.833	0.00	0.21	0.420	O	|	|	|	0.59
55.917	0.00	0.21	0.418	O	|	|	|	0.59
56.000	0.00	0.21	0.417	O	|	|	|	0.59
56.083	0.00	0.21	0.415	O	|	|	|	0.59
56.167	0.00	0.21	0.414	O	|	|	|	0.58
56.250	0.00	0.21	0.412	O	|	|	|	0.58

56.333	0.00	0.21	0.411	O	|	|	|	|	0.58
56.417	0.00	0.21	0.410	O	|	|	|	|	0.58
56.500	0.00	0.21	0.408	O	|	|	|	|	0.57
56.583	0.00	0.21	0.407	O	|	|	|	|	0.57
56.667	0.00	0.21	0.405	O	|	|	|	|	0.57
56.750	0.00	0.20	0.404	O	|	|	|	|	0.57
56.833	0.00	0.20	0.403	O	|	|	|	|	0.57
56.917	0.00	0.20	0.401	O	|	|	|	|	0.56
57.000	0.00	0.20	0.400	O	|	|	|	|	0.56
57.083	0.00	0.20	0.398	O	|	|	|	|	0.56
57.167	0.00	0.20	0.397	O	|	|	|	|	0.56
57.250	0.00	0.20	0.396	O	|	|	|	|	0.56
57.333	0.00	0.20	0.394	O	|	|	|	|	0.56
57.417	0.00	0.20	0.393	O	|	|	|	|	0.55
57.500	0.00	0.20	0.391	O	|	|	|	|	0.55
57.583	0.00	0.20	0.390	O	|	|	|	|	0.55
57.667	0.00	0.20	0.389	O	|	|	|	|	0.55
57.750	0.00	0.20	0.387	O	|	|	|	|	0.55
57.833	0.00	0.20	0.386	O	|	|	|	|	0.54
57.917	0.00	0.20	0.385	O	|	|	|	|	0.54
58.000	0.00	0.19	0.383	O	|	|	|	|	0.54
58.083	0.00	0.19	0.382	O	|	|	|	|	0.54
58.167	0.00	0.19	0.381	O	|	|	|	|	0.54
58.250	0.00	0.19	0.379	O	|	|	|	|	0.53
58.333	0.00	0.19	0.378	O	|	|	|	|	0.53
58.417	0.00	0.19	0.377	O	|	|	|	|	0.53
58.500	0.00	0.19	0.375	O	|	|	|	|	0.53
58.583	0.00	0.19	0.374	O	|	|	|	|	0.53
58.667	0.00	0.19	0.373	O	|	|	|	|	0.53
58.750	0.00	0.19	0.371	O	|	|	|	|	0.52
58.833	0.00	0.19	0.370	O	|	|	|	|	0.52
58.917	0.00	0.19	0.369	O	|	|	|	|	0.52
59.000	0.00	0.19	0.368	O	|	|	|	|	0.52
59.083	0.00	0.19	0.366	O	|	|	|	|	0.52
59.167	0.00	0.19	0.365	O	|	|	|	|	0.51
59.250	0.00	0.18	0.364	O	|	|	|	|	0.51
59.333	0.00	0.18	0.363	O	|	|	|	|	0.51
59.417	0.00	0.18	0.361	O	|	|	|	|	0.51
59.500	0.00	0.18	0.360	O	|	|	|	|	0.51
59.583	0.00	0.18	0.359	O	|	|	|	|	0.51
59.667	0.00	0.18	0.357	O	|	|	|	|	0.50
59.750	0.00	0.18	0.356	O	|	|	|	|	0.50
59.833	0.00	0.18	0.355	O	|	|	|	|	0.50
59.917	0.00	0.18	0.354	O	|	|	|	|	0.50
60.000	0.00	0.18	0.353	O	|	|	|	|	0.50
60.083	0.00	0.18	0.351	O	|	|	|	|	0.49
60.167	0.00	0.18	0.350	O	|	|	|	|	0.49
60.250	0.00	0.18	0.349	O	|	|	|	|	0.49
60.333	0.00	0.18	0.348	O	|	|	|	|	0.49
60.417	0.00	0.18	0.346	O	|	|	|	|	0.49
60.500	0.00	0.18	0.345	O	|	|	|	|	0.49
60.583	0.00	0.17	0.344	O	|	|	|	|	0.48
60.667	0.00	0.17	0.343	O	|	|	|	|	0.48
60.750	0.00	0.17	0.342	O	|	|	|	|	0.48
60.833	0.00	0.17	0.340	O	|	|	|	|	0.48
60.917	0.00	0.17	0.339	O	|	|	|	|	0.48
61.000	0.00	0.17	0.338	O	|	|	|	|	0.48
61.083	0.00	0.17	0.337	O	|	|	|	|	0.47
61.167	0.00	0.17	0.336	O	|	|	|	|	0.47
61.250	0.00	0.17	0.335	O	|	|	|	|	0.47
61.333	0.00	0.17	0.333	O	|	|	|	|	0.47
61.417	0.00	0.17	0.332	O	|	|	|	|	0.47
61.500	0.00	0.17	0.331	O	|	|	|	|	0.47
61.583	0.00	0.17	0.330	O	|	|	|	|	0.46
61.667	0.00	0.17	0.329	O	|	|	|	|	0.46
61.750	0.00	0.17	0.328	O	|	|	|	|	0.46
61.833	0.00	0.17	0.326	O	|	|	|	|	0.46

61.917	0.00	0.16	0.325	O	|	|	|	|	0.46
62.000	0.00	0.16	0.324	O	|	|	|	|	0.46
62.083	0.00	0.16	0.323	O	|	|	|	|	0.45
62.167	0.00	0.16	0.322	O	|	|	|	|	0.45
62.250	0.00	0.16	0.321	O	|	|	|	|	0.45
62.333	0.00	0.16	0.320	O	|	|	|	|	0.45
62.417	0.00	0.16	0.319	O	|	|	|	|	0.45
62.500	0.00	0.16	0.317	O	|	|	|	|	0.45
62.583	0.00	0.16	0.316	O	|	|	|	|	0.45
62.667	0.00	0.16	0.315	O	|	|	|	|	0.44
62.750	0.00	0.16	0.314	O	|	|	|	|	0.44
62.833	0.00	0.16	0.313	O	|	|	|	|	0.44
62.917	0.00	0.16	0.312	O	|	|	|	|	0.44
63.000	0.00	0.16	0.311	O	|	|	|	|	0.44
63.083	0.00	0.16	0.310	O	|	|	|	|	0.44
63.167	0.00	0.16	0.309	O	|	|	|	|	0.43
63.250	0.00	0.16	0.308	O	|	|	|	|	0.43
63.333	0.00	0.16	0.307	O	|	|	|	|	0.43
63.417	0.00	0.15	0.305	O	|	|	|	|	0.43
63.500	0.00	0.15	0.304	O	|	|	|	|	0.43
63.583	0.00	0.15	0.303	O	|	|	|	|	0.43
63.667	0.00	0.15	0.302	O	|	|	|	|	0.43
63.750	0.00	0.15	0.301	O	|	|	|	|	0.42
63.833	0.00	0.15	0.300	O	|	|	|	|	0.42
63.917	0.00	0.15	0.299	O	|	|	|	|	0.42
64.000	0.00	0.15	0.298	O	|	|	|	|	0.42
64.083	0.00	0.15	0.297	O	|	|	|	|	0.42
64.167	0.00	0.15	0.296	O	|	|	|	|	0.42
64.250	0.00	0.15	0.295	O	|	|	|	|	0.42
64.333	0.00	0.15	0.294	O	|	|	|	|	0.41
64.417	0.00	0.15	0.293	O	|	|	|	|	0.41
64.500	0.00	0.15	0.292	O	|	|	|	|	0.41
64.583	0.00	0.15	0.291	O	|	|	|	|	0.41
64.667	0.00	0.15	0.290	O	|	|	|	|	0.41
64.750	0.00	0.15	0.289	O	|	|	|	|	0.41
64.833	0.00	0.15	0.288	O	|	|	|	|	0.41
64.917	0.00	0.15	0.287	O	|	|	|	|	0.40
65.000	0.00	0.14	0.286	O	|	|	|	|	0.40
65.083	0.00	0.14	0.285	O	|	|	|	|	0.40
65.167	0.00	0.14	0.284	O	|	|	|	|	0.40
65.250	0.00	0.14	0.283	O	|	|	|	|	0.40
65.333	0.00	0.14	0.282	O	|	|	|	|	0.40
65.417	0.00	0.14	0.281	O	|	|	|	|	0.40
65.500	0.00	0.14	0.280	O	|	|	|	|	0.39
65.583	0.00	0.14	0.279	O	|	|	|	|	0.39
65.667	0.00	0.14	0.278	O	|	|	|	|	0.39
65.750	0.00	0.14	0.277	O	|	|	|	|	0.39
65.833	0.00	0.14	0.276	O	|	|	|	|	0.39
65.917	0.00	0.14	0.275	O	|	|	|	|	0.39
66.000	0.00	0.14	0.274	O	|	|	|	|	0.39
66.083	0.00	0.14	0.273	O	|	|	|	|	0.38
66.167	0.00	0.14	0.272	O	|	|	|	|	0.38
66.250	0.00	0.14	0.271	O	|	|	|	|	0.38
66.333	0.00	0.14	0.270	O	|	|	|	|	0.38
66.417	0.00	0.14	0.269	O	|	|	|	|	0.38
66.500	0.00	0.14	0.268	O	|	|	|	|	0.38
66.583	0.00	0.14	0.268	O	|	|	|	|	0.38
66.667	0.00	0.14	0.267	O	|	|	|	|	0.38
66.750	0.00	0.13	0.266	O	|	|	|	|	0.37
66.833	0.00	0.13	0.265	O	|	|	|	|	0.37
66.917	0.00	0.13	0.264	O	|	|	|	|	0.37
67.000	0.00	0.13	0.263	O	|	|	|	|	0.37
67.083	0.00	0.13	0.262	O	|	|	|	|	0.37
67.167	0.00	0.13	0.261	O	|	|	|	|	0.37
67.250	0.00	0.13	0.260	O	|	|	|	|	0.37
67.333	0.00	0.13	0.259	O	|	|	|	|	0.37
67.417	0.00	0.13	0.258	O	|	|	|	|	0.36

67.500	0.00	0.13	0.257	O	|	|	|	|	0.36
67.583	0.00	0.13	0.257	O	|	|	|	|	0.36
67.667	0.00	0.13	0.256	O	|	|	|	|	0.36
67.750	0.00	0.13	0.255	O	|	|	|	|	0.36
67.833	0.00	0.13	0.254	O	|	|	|	|	0.36
67.917	0.00	0.13	0.253	O	|	|	|	|	0.36
68.000	0.00	0.13	0.252	O	|	|	|	|	0.36
68.083	0.00	0.13	0.251	O	|	|	|	|	0.35
68.167	0.00	0.13	0.250	O	|	|	|	|	0.35
68.250	0.00	0.13	0.249	O	|	|	|	|	0.35
68.333	0.00	0.13	0.249	O	|	|	|	|	0.35
68.417	0.00	0.13	0.248	O	|	|	|	|	0.35
68.500	0.00	0.13	0.247	O	|	|	|	|	0.35
68.583	0.00	0.12	0.246	O	|	|	|	|	0.35
68.667	0.00	0.12	0.245	O	|	|	|	|	0.35
68.750	0.00	0.12	0.244	O	|	|	|	|	0.34
68.833	0.00	0.12	0.243	O	|	|	|	|	0.34
68.917	0.00	0.12	0.243	O	|	|	|	|	0.34
69.000	0.00	0.12	0.242	O	|	|	|	|	0.34
69.083	0.00	0.12	0.241	O	|	|	|	|	0.34
69.167	0.00	0.12	0.240	O	|	|	|	|	0.34
69.250	0.00	0.12	0.239	O	|	|	|	|	0.34
69.333	0.00	0.12	0.238	O	|	|	|	|	0.34
69.417	0.00	0.12	0.238	O	|	|	|	|	0.33
69.500	0.00	0.12	0.237	O	|	|	|	|	0.33
69.583	0.00	0.12	0.236	O	|	|	|	|	0.33
69.667	0.00	0.12	0.235	O	|	|	|	|	0.33
69.750	0.00	0.12	0.234	O	|	|	|	|	0.33
69.833	0.00	0.12	0.233	O	|	|	|	|	0.33
69.917	0.00	0.12	0.233	O	|	|	|	|	0.33
70.000	0.00	0.12	0.232	O	|	|	|	|	0.33
70.083	0.00	0.12	0.231	O	|	|	|	|	0.33
70.167	0.00	0.12	0.230	O	|	|	|	|	0.32
70.250	0.00	0.12	0.229	O	|	|	|	|	0.32
70.333	0.00	0.12	0.229	O	|	|	|	|	0.32
70.417	0.00	0.12	0.228	O	|	|	|	|	0.32
70.500	0.00	0.12	0.227	O	|	|	|	|	0.32
70.583	0.00	0.11	0.226	O	|	|	|	|	0.32
70.667	0.00	0.11	0.225	O	|	|	|	|	0.32
70.750	0.00	0.11	0.225	O	|	|	|	|	0.32
70.833	0.00	0.11	0.224	O	|	|	|	|	0.32
70.917	0.00	0.11	0.223	O	|	|	|	|	0.31
71.000	0.00	0.11	0.222	O	|	|	|	|	0.31
71.083	0.00	0.11	0.222	O	|	|	|	|	0.31
71.167	0.00	0.11	0.221	O	|	|	|	|	0.31
71.250	0.00	0.11	0.220	O	|	|	|	|	0.31
71.333	0.00	0.11	0.219	O	|	|	|	|	0.31
71.417	0.00	0.11	0.218	O	|	|	|	|	0.31
71.500	0.00	0.11	0.218	O	|	|	|	|	0.31
71.583	0.00	0.11	0.217	O	|	|	|	|	0.31
71.667	0.00	0.11	0.216	O	|	|	|	|	0.30
71.750	0.00	0.11	0.215	O	|	|	|	|	0.30
71.833	0.00	0.11	0.215	O	|	|	|	|	0.30
71.917	0.00	0.11	0.214	O	|	|	|	|	0.30
72.000	0.00	0.11	0.213	O	|	|	|	|	0.30
72.083	0.00	0.11	0.212	O	|	|	|	|	0.30
72.167	0.00	0.11	0.212	O	|	|	|	|	0.30
72.250	0.00	0.11	0.211	O	|	|	|	|	0.30
72.333	0.00	0.11	0.210	O	|	|	|	|	0.30
72.417	0.00	0.11	0.210	O	|	|	|	|	0.30
72.500	0.00	0.11	0.209	O	|	|	|	|	0.29
72.583	0.00	0.11	0.208	O	|	|	|	|	0.29
72.667	0.00	0.11	0.207	O	|	|	|	|	0.29
72.750	0.00	0.10	0.207	O	|	|	|	|	0.29
72.833	0.00	0.10	0.206	O	|	|	|	|	0.29
72.917	0.00	0.10	0.205	O	|	|	|	|	0.29
73.000	0.00	0.10	0.204	O	|	|	|	|	0.29

73.083	0.00	0.10	0.204	O	|	|	|	|	0.29
73.167	0.00	0.10	0.203	O	|	|	|	|	0.29
73.250	0.00	0.10	0.202	O	|	|	|	|	0.28
73.333	0.00	0.10	0.202	O	|	|	|	|	0.28
73.417	0.00	0.10	0.201	O	|	|	|	|	0.28
73.500	0.00	0.10	0.200	O	|	|	|	|	0.28
73.583	0.00	0.10	0.200	O	|	|	|	|	0.28
73.667	0.00	0.10	0.199	O	|	|	|	|	0.28
73.750	0.00	0.10	0.198	O	|	|	|	|	0.28
73.833	0.00	0.10	0.197	O	|	|	|	|	0.28
73.917	0.00	0.10	0.197	O	|	|	|	|	0.28
74.000	0.00	0.10	0.196	O	|	|	|	|	0.28
74.083	0.00	0.10	0.195	O	|	|	|	|	0.28
74.167	0.00	0.10	0.195	O	|	|	|	|	0.27
74.250	0.00	0.10	0.194	O	|	|	|	|	0.27
74.333	0.00	0.10	0.193	O	|	|	|	|	0.27
74.417	0.00	0.10	0.193	O	|	|	|	|	0.27
74.500	0.00	0.10	0.192	O	|	|	|	|	0.27
74.583	0.00	0.10	0.191	O	|	|	|	|	0.27
74.667	0.00	0.10	0.191	O	|	|	|	|	0.27
74.750	0.00	0.10	0.190	O	|	|	|	|	0.27
74.833	0.00	0.10	0.189	O	|	|	|	|	0.27
74.917	0.00	0.10	0.189	O	|	|	|	|	0.27
75.000	0.00	0.10	0.188	O	|	|	|	|	0.26
75.083	0.00	0.09	0.187	O	|	|	|	|	0.26
75.167	0.00	0.09	0.187	O	|	|	|	|	0.26
75.250	0.00	0.09	0.186	O	|	|	|	|	0.26
75.333	0.00	0.09	0.185	O	|	|	|	|	0.26
75.417	0.00	0.09	0.185	O	|	|	|	|	0.26
75.500	0.00	0.09	0.184	O	|	|	|	|	0.26
75.583	0.00	0.09	0.183	O	|	|	|	|	0.26
75.667	0.00	0.09	0.183	O	|	|	|	|	0.26
75.750	0.00	0.09	0.182	O	|	|	|	|	0.26
75.833	0.00	0.09	0.182	O	|	|	|	|	0.26
75.917	0.00	0.09	0.181	O	|	|	|	|	0.25
76.000	0.00	0.09	0.180	O	|	|	|	|	0.25
76.083	0.00	0.09	0.180	O	|	|	|	|	0.25
76.167	0.00	0.09	0.179	O	|	|	|	|	0.25
76.250	0.00	0.09	0.178	O	|	|	|	|	0.25
76.333	0.00	0.09	0.178	O	|	|	|	|	0.25
76.417	0.00	0.09	0.177	O	|	|	|	|	0.25
76.500	0.00	0.09	0.177	O	|	|	|	|	0.25
76.583	0.00	0.09	0.176	O	|	|	|	|	0.25
76.667	0.00	0.09	0.175	O	|	|	|	|	0.25
76.750	0.00	0.09	0.175	O	|	|	|	|	0.25
76.833	0.00	0.09	0.174	O	|	|	|	|	0.25
76.917	0.00	0.09	0.174	O	|	|	|	|	0.24
77.000	0.00	0.09	0.173	O	|	|	|	|	0.24
77.083	0.00	0.09	0.172	O	|	|	|	|	0.24
77.167	0.00	0.09	0.172	O	|	|	|	|	0.24
77.250	0.00	0.09	0.171	O	|	|	|	|	0.24
77.333	0.00	0.09	0.171	O	|	|	|	|	0.24
77.417	0.00	0.09	0.170	O	|	|	|	|	0.24
77.500	0.00	0.09	0.169	O	|	|	|	|	0.24
77.583	0.00	0.09	0.169	O	|	|	|	|	0.24
77.667	0.00	0.09	0.168	O	|	|	|	|	0.24
77.750	0.00	0.08	0.168	O	|	|	|	|	0.24
77.833	0.00	0.08	0.167	O	|	|	|	|	0.24
77.917	0.00	0.08	0.166	O	|	|	|	|	0.23
78.000	0.00	0.08	0.166	O	|	|	|	|	0.23
78.083	0.00	0.08	0.165	O	|	|	|	|	0.23
78.167	0.00	0.08	0.165	O	|	|	|	|	0.23
78.250	0.00	0.08	0.164	O	|	|	|	|	0.23
78.333	0.00	0.08	0.164	O	|	|	|	|	0.23
78.417	0.00	0.08	0.163	O	|	|	|	|	0.23
78.500	0.00	0.08	0.162	O	|	|	|	|	0.23
78.583	0.00	0.08	0.162	O	|	|	|	|	0.23

78.667	0.00	0.08	0.161	O	|	|	|	|	0.23
78.750	0.00	0.08	0.161	O	|	|	|	|	0.23
78.833	0.00	0.08	0.160	O	|	|	|	|	0.23
78.917	0.00	0.08	0.160	O	|	|	|	|	0.22
79.000	0.00	0.08	0.159	O	|	|	|	|	0.22
79.083	0.00	0.08	0.158	O	|	|	|	|	0.22
79.167	0.00	0.08	0.158	O	|	|	|	|	0.22
79.250	0.00	0.08	0.157	O	|	|	|	|	0.22
79.333	0.00	0.08	0.157	O	|	|	|	|	0.22
79.417	0.00	0.08	0.156	O	|	|	|	|	0.22
79.500	0.00	0.08	0.156	O	|	|	|	|	0.22
79.583	0.00	0.08	0.155	O	|	|	|	|	0.22
79.667	0.00	0.08	0.155	O	|	|	|	|	0.22
79.750	0.00	0.08	0.154	O	|	|	|	|	0.22
79.833	0.00	0.08	0.154	O	|	|	|	|	0.22
79.917	0.00	0.08	0.153	O	|	|	|	|	0.22
80.000	0.00	0.08	0.152	O	|	|	|	|	0.21
80.083	0.00	0.08	0.152	O	|	|	|	|	0.21
80.167	0.00	0.08	0.151	O	|	|	|	|	0.21
80.250	0.00	0.08	0.151	O	|	|	|	|	0.21
80.333	0.00	0.08	0.150	O	|	|	|	|	0.21
80.417	0.00	0.08	0.150	O	|	|	|	|	0.21
80.500	0.00	0.08	0.149	O	|	|	|	|	0.21
80.583	0.00	0.08	0.149	O	|	|	|	|	0.21
80.667	0.00	0.08	0.148	O	|	|	|	|	0.21
80.750	0.00	0.07	0.148	O	|	|	|	|	0.21
80.833	0.00	0.07	0.147	O	|	|	|	|	0.21
80.917	0.00	0.07	0.147	O	|	|	|	|	0.21
81.000	0.00	0.07	0.146	O	|	|	|	|	0.21
81.083	0.00	0.07	0.146	O	|	|	|	|	0.21
81.167	0.00	0.07	0.145	O	|	|	|	|	0.20
81.250	0.00	0.07	0.145	O	|	|	|	|	0.20
81.333	0.00	0.07	0.144	O	|	|	|	|	0.20
81.417	0.00	0.07	0.144	O	|	|	|	|	0.20
81.500	0.00	0.07	0.143	O	|	|	|	|	0.20
81.583	0.00	0.07	0.143	O	|	|	|	|	0.20
81.667	0.00	0.07	0.142	O	|	|	|	|	0.20
81.750	0.00	0.07	0.142	O	|	|	|	|	0.20
81.833	0.00	0.07	0.141	O	|	|	|	|	0.20
81.917	0.00	0.07	0.141	O	|	|	|	|	0.20
82.000	0.00	0.07	0.140	O	|	|	|	|	0.20
82.083	0.00	0.07	0.140	O	|	|	|	|	0.20
82.167	0.00	0.07	0.139	O	|	|	|	|	0.20
82.250	0.00	0.07	0.139	O	|	|	|	|	0.20
82.333	0.00	0.07	0.138	O	|	|	|	|	0.19
82.417	0.00	0.07	0.138	O	|	|	|	|	0.19
82.500	0.00	0.07	0.137	O	|	|	|	|	0.19
82.583	0.00	0.07	0.137	O	|	|	|	|	0.19
82.667	0.00	0.07	0.136	O	|	|	|	|	0.19
82.750	0.00	0.07	0.136	O	|	|	|	|	0.19
82.833	0.00	0.07	0.135	O	|	|	|	|	0.19
82.917	0.00	0.07	0.135	O	|	|	|	|	0.19
83.000	0.00	0.07	0.134	O	|	|	|	|	0.19
83.083	0.00	0.07	0.134	O	|	|	|	|	0.19
83.167	0.00	0.07	0.134	O	|	|	|	|	0.19
83.250	0.00	0.07	0.133	O	|	|	|	|	0.19
83.333	0.00	0.07	0.133	O	|	|	|	|	0.19
83.417	0.00	0.07	0.132	O	|	|	|	|	0.19
83.500	0.00	0.07	0.132	O	|	|	|	|	0.19
83.583	0.00	0.07	0.131	O	|	|	|	|	0.18
83.667	0.00	0.07	0.131	O	|	|	|	|	0.18
83.750	0.00	0.07	0.130	O	|	|	|	|	0.18
83.833	0.00	0.07	0.130	O	|	|	|	|	0.18
83.917	0.00	0.07	0.129	O	|	|	|	|	0.18
84.000	0.00	0.07	0.129	O	|	|	|	|	0.18
84.083	0.00	0.07	0.128	O	|	|	|	|	0.18
84.167	0.00	0.06	0.128	O	|	|	|	|	0.18

84.250	0.00	0.06	0.128	O	|	|	|	0.18
84.333	0.00	0.06	0.127	O	|	|	|	0.18
84.417	0.00	0.06	0.127	O	|	|	|	0.18
84.500	0.00	0.06	0.126	O	|	|	|	0.18
84.583	0.00	0.06	0.126	O	|	|	|	0.18
84.667	0.00	0.06	0.125	O	|	|	|	0.18
84.750	0.00	0.06	0.125	O	|	|	|	0.18
84.833	0.00	0.06	0.125	O	|	|	|	0.18
84.917	0.00	0.06	0.124	O	|	|	|	0.17
85.000	0.00	0.06	0.124	O	|	|	|	0.17
85.083	0.00	0.06	0.123	O	|	|	|	0.17
85.167	0.00	0.06	0.123	O	|	|	|	0.17
85.250	0.00	0.06	0.122	O	|	|	|	0.17
85.333	0.00	0.06	0.122	O	|	|	|	0.17
85.417	0.00	0.06	0.122	O	|	|	|	0.17
85.500	0.00	0.06	0.121	O	|	|	|	0.17
85.583	0.00	0.06	0.121	O	|	|	|	0.17
85.667	0.00	0.06	0.120	O	|	|	|	0.17
85.750	0.00	0.06	0.120	O	|	|	|	0.17
85.833	0.00	0.06	0.119	O	|	|	|	0.17
85.917	0.00	0.06	0.119	O	|	|	|	0.17
86.000	0.00	0.06	0.119	O	|	|	|	0.17
86.083	0.00	0.06	0.118	O	|	|	|	0.17
86.167	0.00	0.06	0.118	O	|	|	|	0.17
86.250	0.00	0.06	0.117	O	|	|	|	0.17
86.333	0.00	0.06	0.117	O	|	|	|	0.16
86.417	0.00	0.06	0.117	O	|	|	|	0.16
86.500	0.00	0.06	0.116	O	|	|	|	0.16
86.583	0.00	0.06	0.116	O	|	|	|	0.16
86.667	0.00	0.06	0.115	O	|	|	|	0.16
86.750	0.00	0.06	0.115	O	|	|	|	0.16
86.833	0.00	0.06	0.115	O	|	|	|	0.16
86.917	0.00	0.06	0.114	O	|	|	|	0.16
87.000	0.00	0.06	0.114	O	|	|	|	0.16
87.083	0.00	0.06	0.113	O	|	|	|	0.16
87.167	0.00	0.06	0.113	O	|	|	|	0.16
87.250	0.00	0.06	0.113	O	|	|	|	0.16
87.333	0.00	0.06	0.112	O	|	|	|	0.16
87.417	0.00	0.06	0.112	O	|	|	|	0.16
87.500	0.00	0.06	0.111	O	|	|	|	0.16
87.583	0.00	0.06	0.111	O	|	|	|	0.16
87.667	0.00	0.06	0.111	O	|	|	|	0.16
87.750	0.00	0.06	0.110	O	|	|	|	0.16
87.833	0.00	0.06	0.110	O	|	|	|	0.15
87.917	0.00	0.06	0.109	O	|	|	|	0.15
88.000	0.00	0.06	0.109	O	|	|	|	0.15
88.083	0.00	0.06	0.109	O	|	|	|	0.15
88.167	0.00	0.05	0.108	O	|	|	|	0.15
88.250	0.00	0.05	0.108	O	|	|	|	0.15
88.333	0.00	0.05	0.108	O	|	|	|	0.15
88.417	0.00	0.05	0.107	O	|	|	|	0.15
88.500	0.00	0.05	0.107	O	|	|	|	0.15
88.583	0.00	0.05	0.106	O	|	|	|	0.15
88.667	0.00	0.05	0.106	O	|	|	|	0.15
88.750	0.00	0.05	0.106	O	|	|	|	0.15
88.833	0.00	0.05	0.105	O	|	|	|	0.15
88.917	0.00	0.05	0.105	O	|	|	|	0.15
89.000	0.00	0.05	0.105	O	|	|	|	0.15
89.083	0.00	0.05	0.104	O	|	|	|	0.15
89.167	0.00	0.05	0.104	O	|	|	|	0.15
89.250	0.00	0.05	0.103	O	|	|	|	0.15
89.333	0.00	0.05	0.103	O	|	|	|	0.15
89.417	0.00	0.05	0.103	O	|	|	|	0.14
89.500	0.00	0.05	0.102	O	|	|	|	0.14
89.583	0.00	0.05	0.102	O	|	|	|	0.14
89.667	0.00	0.05	0.102	O	|	|	|	0.14
89.750	0.00	0.05	0.101	O	|	|	|	0.14

89.833	0.00	0.05	0.101	O	|	|	|	|	0.14
89.917	0.00	0.05	0.101	O	|	|	|	|	0.14
90.000	0.00	0.05	0.100	O	|	|	|	|	0.14
90.083	0.00	0.05	0.100	O	|	|	|	|	0.14
90.167	0.00	0.05	0.100	O	|	|	|	|	0.14
90.250	0.00	0.05	0.099	O	|	|	|	|	0.14
90.333	0.00	0.05	0.099	O	|	|	|	|	0.14
90.417	0.00	0.05	0.099	O	|	|	|	|	0.14
90.500	0.00	0.05	0.098	O	|	|	|	|	0.14
90.583	0.00	0.05	0.098	O	|	|	|	|	0.14
90.667	0.00	0.05	0.098	O	|	|	|	|	0.14
90.750	0.00	0.05	0.097	O	|	|	|	|	0.14
90.833	0.00	0.05	0.097	O	|	|	|	|	0.14
90.917	0.00	0.05	0.097	O	|	|	|	|	0.14
91.000	0.00	0.05	0.096	O	|	|	|	|	0.14
91.083	0.00	0.05	0.096	O	|	|	|	|	0.13
91.167	0.00	0.05	0.095	O	|	|	|	|	0.13
91.250	0.00	0.05	0.095	O	|	|	|	|	0.13
91.333	0.00	0.05	0.095	O	|	|	|	|	0.13
91.417	0.00	0.05	0.094	O	|	|	|	|	0.13
91.500	0.00	0.05	0.094	O	|	|	|	|	0.13
91.583	0.00	0.05	0.094	O	|	|	|	|	0.13
91.667	0.00	0.05	0.094	O	|	|	|	|	0.13
91.750	0.00	0.05	0.093	O	|	|	|	|	0.13
91.833	0.00	0.05	0.093	O	|	|	|	|	0.13
91.917	0.00	0.05	0.093	O	|	|	|	|	0.13
92.000	0.00	0.05	0.092	O	|	|	|	|	0.13
92.083	0.00	0.05	0.092	O	|	|	|	|	0.13
92.167	0.00	0.05	0.092	O	|	|	|	|	0.13
92.250	0.00	0.05	0.091	O	|	|	|	|	0.13
92.333	0.00	0.05	0.091	O	|	|	|	|	0.13
92.417	0.00	0.05	0.091	O	|	|	|	|	0.13
92.500	0.00	0.05	0.090	O	|	|	|	|	0.13
92.583	0.00	0.05	0.090	O	|	|	|	|	0.13
92.667	0.00	0.05	0.090	O	|	|	|	|	0.13
92.750	0.00	0.05	0.089	O	|	|	|	|	0.13
92.833	0.00	0.05	0.089	O	|	|	|	|	0.13
92.917	0.00	0.04	0.089	O	|	|	|	|	0.12
93.000	0.00	0.04	0.088	O	|	|	|	|	0.12
93.083	0.00	0.04	0.088	O	|	|	|	|	0.12
93.167	0.00	0.04	0.088	O	|	|	|	|	0.12
93.250	0.00	0.04	0.088	O	|	|	|	|	0.12
93.333	0.00	0.04	0.087	O	|	|	|	|	0.12
93.417	0.00	0.04	0.087	O	|	|	|	|	0.12
93.500	0.00	0.04	0.087	O	|	|	|	|	0.12
93.583	0.00	0.04	0.086	O	|	|	|	|	0.12
93.667	0.00	0.04	0.086	O	|	|	|	|	0.12
93.750	0.00	0.04	0.086	O	|	|	|	|	0.12
93.833	0.00	0.04	0.085	O	|	|	|	|	0.12
93.917	0.00	0.04	0.085	O	|	|	|	|	0.12
94.000	0.00	0.04	0.085	O	|	|	|	|	0.12
94.083	0.00	0.04	0.085	O	|	|	|	|	0.12
94.167	0.00	0.04	0.084	O	|	|	|	|	0.12
94.250	0.00	0.04	0.084	O	|	|	|	|	0.12
94.333	0.00	0.04	0.084	O	|	|	|	|	0.12
94.417	0.00	0.04	0.083	O	|	|	|	|	0.12
94.500	0.00	0.04	0.083	O	|	|	|	|	0.12
94.583	0.00	0.04	0.083	O	|	|	|	|	0.12
94.667	0.00	0.04	0.082	O	|	|	|	|	0.12
94.750	0.00	0.04	0.082	O	|	|	|	|	0.12
94.833	0.00	0.04	0.082	O	|	|	|	|	0.12
94.917	0.00	0.04	0.082	O	|	|	|	|	0.11
95.000	0.00	0.04	0.081	O	|	|	|	|	0.11
95.083	0.00	0.04	0.081	O	|	|	|	|	0.11
95.167	0.00	0.04	0.081	O	|	|	|	|	0.11
95.250	0.00	0.04	0.080	O	|	|	|	|	0.11
95.333	0.00	0.04	0.080	O	|	|	|	|	0.11

95.417	0.00	0.04	0.080	O	|	|	|	|	0.11
95.500	0.00	0.04	0.080	O	|	|	|	|	0.11
95.583	0.00	0.04	0.079	O	|	|	|	|	0.11
95.667	0.00	0.04	0.079	O	|	|	|	|	0.11
95.750	0.00	0.04	0.079	O	|	|	|	|	0.11
95.833	0.00	0.04	0.079	O	|	|	|	|	0.11
95.917	0.00	0.04	0.078	O	|	|	|	|	0.11
96.000	0.00	0.04	0.078	O	|	|	|	|	0.11
96.083	0.00	0.04	0.078	O	|	|	|	|	0.11
96.167	0.00	0.04	0.077	O	|	|	|	|	0.11
96.250	0.00	0.04	0.077	O	|	|	|	|	0.11
96.333	0.00	0.04	0.077	O	|	|	|	|	0.11
96.417	0.00	0.04	0.077	O	|	|	|	|	0.11
96.500	0.00	0.04	0.076	O	|	|	|	|	0.11
96.583	0.00	0.04	0.076	O	|	|	|	|	0.11
96.667	0.00	0.04	0.076	O	|	|	|	|	0.11
96.750	0.00	0.04	0.076	O	|	|	|	|	0.11
96.833	0.00	0.04	0.075	O	|	|	|	|	0.11
96.917	0.00	0.04	0.075	O	|	|	|	|	0.11
97.000	0.00	0.04	0.075	O	|	|	|	|	0.11
97.083	0.00	0.04	0.075	O	|	|	|	|	0.10
97.167	0.00	0.04	0.074	O	|	|	|	|	0.10
97.250	0.00	0.04	0.074	O	|	|	|	|	0.10
97.333	0.00	0.04	0.074	O	|	|	|	|	0.10
97.417	0.00	0.04	0.073	O	|	|	|	|	0.10
97.500	0.00	0.04	0.073	O	|	|	|	|	0.10
97.583	0.00	0.04	0.073	O	|	|	|	|	0.10
97.667	0.00	0.04	0.073	O	|	|	|	|	0.10
97.750	0.00	0.04	0.072	O	|	|	|	|	0.10
97.833	0.00	0.04	0.072	O	|	|	|	|	0.10
97.917	0.00	0.04	0.072	O	|	|	|	|	0.10
98.000	0.00	0.04	0.072	O	|	|	|	|	0.10
98.083	0.00	0.04	0.071	O	|	|	|	|	0.10
98.167	0.00	0.04	0.071	O	|	|	|	|	0.10
98.250	0.00	0.04	0.071	O	|	|	|	|	0.10
98.333	0.00	0.04	0.071	O	|	|	|	|	0.10
98.417	0.00	0.04	0.070	O	|	|	|	|	0.10
98.500	0.00	0.04	0.070	O	|	|	|	|	0.10
98.583	0.00	0.04	0.070	O	|	|	|	|	0.10
98.667	0.00	0.04	0.070	O	|	|	|	|	0.10
98.750	0.00	0.04	0.069	O	|	|	|	|	0.10
98.833	0.00	0.04	0.069	O	|	|	|	|	0.10
98.917	0.00	0.03	0.069	O	|	|	|	|	0.10
99.000	0.00	0.03	0.069	O	|	|	|	|	0.10
99.083	0.00	0.03	0.069	O	|	|	|	|	0.10
99.167	0.00	0.03	0.068	O	|	|	|	|	0.10
99.250	0.00	0.03	0.068	O	|	|	|	|	0.10
99.333	0.00	0.03	0.068	O	|	|	|	|	0.10
99.417	0.00	0.03	0.068	O	|	|	|	|	0.10
99.500	0.00	0.03	0.067	O	|	|	|	|	0.09
99.583	0.00	0.03	0.067	O	|	|	|	|	0.09
99.667	0.00	0.03	0.067	O	|	|	|	|	0.09
99.750	0.00	0.03	0.067	O	|	|	|	|	0.09
99.833	0.00	0.03	0.066	O	|	|	|	|	0.09
99.917	0.00	0.03	0.066	O	|	|	|	|	0.09
100.000	0.00	0.03	0.066	O	|	|	|	|	0.09
100.083	0.00	0.03	0.066	O	|	|	|	|	0.09
100.167	0.00	0.03	0.065	O	|	|	|	|	0.09
100.250	0.00	0.03	0.065	O	|	|	|	|	0.09
100.333	0.00	0.03	0.065	O	|	|	|	|	0.09
100.417	0.00	0.03	0.065	O	|	|	|	|	0.09
100.500	0.00	0.03	0.065	O	|	|	|	|	0.09
100.583	0.00	0.03	0.064	O	|	|	|	|	0.09
100.667	0.00	0.03	0.064	O	|	|	|	|	0.09
100.750	0.00	0.03	0.064	O	|	|	|	|	0.09
100.833	0.00	0.03	0.064	O	|	|	|	|	0.09
100.917	0.00	0.03	0.063	O	|	|	|	|	0.09

101.000	0.00	0.03	0.063	O	|	|	|	0.09
101.083	0.00	0.03	0.063	O	|	|	|	0.09
101.167	0.00	0.03	0.063	O	|	|	|	0.09
101.250	0.00	0.03	0.063	O	|	|	|	0.09
101.333	0.00	0.03	0.062	O	|	|	|	0.09
101.417	0.00	0.03	0.062	O	|	|	|	0.09
101.500	0.00	0.03	0.062	O	|	|	|	0.09
101.583	0.00	0.03	0.062	O	|	|	|	0.09
101.667	0.00	0.03	0.062	O	|	|	|	0.09
101.750	0.00	0.03	0.061	O	|	|	|	0.09
101.833	0.00	0.03	0.061	O	|	|	|	0.09
101.917	0.00	0.03	0.061	O	|	|	|	0.09
102.000	0.00	0.03	0.061	O	|	|	|	0.09
102.083	0.00	0.03	0.060	O	|	|	|	0.09
102.167	0.00	0.03	0.060	O	|	|	|	0.08
102.250	0.00	0.03	0.060	O	|	|	|	0.08
102.333	0.00	0.03	0.060	O	|	|	|	0.08
102.417	0.00	0.03	0.060	O	|	|	|	0.08
102.500	0.00	0.03	0.059	O	|	|	|	0.08
102.583	0.00	0.03	0.059	O	|	|	|	0.08
102.667	0.00	0.03	0.059	O	|	|	|	0.08
102.750	0.00	0.03	0.059	O	|	|	|	0.08
102.833	0.00	0.03	0.059	O	|	|	|	0.08
102.917	0.00	0.03	0.058	O	|	|	|	0.08
103.000	0.00	0.03	0.058	O	|	|	|	0.08
103.083	0.00	0.03	0.058	O	|	|	|	0.08
103.167	0.00	0.03	0.058	O	|	|	|	0.08
103.250	0.00	0.03	0.058	O	|	|	|	0.08
103.333	0.00	0.03	0.057	O	|	|	|	0.08
103.417	0.00	0.03	0.057	O	|	|	|	0.08
103.500	0.00	0.03	0.057	O	|	|	|	0.08
103.583	0.00	0.03	0.057	O	|	|	|	0.08
103.667	0.00	0.03	0.057	O	|	|	|	0.08
103.750	0.00	0.03	0.056	O	|	|	|	0.08
103.833	0.00	0.03	0.056	O	|	|	|	0.08
103.917	0.00	0.03	0.056	O	|	|	|	0.08
104.000	0.00	0.03	0.056	O	|	|	|	0.08
104.083	0.00	0.03	0.056	O	|	|	|	0.08
104.167	0.00	0.03	0.055	O	|	|	|	0.08
104.250	0.00	0.03	0.055	O	|	|	|	0.08
104.333	0.00	0.03	0.055	O	|	|	|	0.08
104.417	0.00	0.03	0.055	O	|	|	|	0.08
104.500	0.00	0.03	0.055	O	|	|	|	0.08
104.583	0.00	0.03	0.054	O	|	|	|	0.08
104.667	0.00	0.03	0.054	O	|	|	|	0.08
104.750	0.00	0.03	0.054	O	|	|	|	0.08
104.833	0.00	0.03	0.054	O	|	|	|	0.08
104.917	0.00	0.03	0.054	O	|	|	|	0.08
105.000	0.00	0.03	0.053	O	|	|	|	0.08
105.083	0.00	0.03	0.053	O	|	|	|	0.08
105.167	0.00	0.03	0.053	O	|	|	|	0.07
105.250	0.00	0.03	0.053	O	|	|	|	0.07
105.333	0.00	0.03	0.053	O	|	|	|	0.07
105.417	0.00	0.03	0.053	O	|	|	|	0.07
105.500	0.00	0.03	0.052	O	|	|	|	0.07
105.583	0.00	0.03	0.052	O	|	|	|	0.07
105.667	0.00	0.03	0.052	O	|	|	|	0.07
105.750	0.00	0.03	0.052	O	|	|	|	0.07
105.833	0.00	0.03	0.052	O	|	|	|	0.07
105.917	0.00	0.03	0.051	O	|	|	|	0.07
106.000	0.00	0.03	0.051	O	|	|	|	0.07
106.083	0.00	0.03	0.051	O	|	|	|	0.07
106.167	0.00	0.03	0.051	O	|	|	|	0.07
106.250	0.00	0.03	0.051	O	|	|	|	0.07
106.333	0.00	0.03	0.051	O	|	|	|	0.07
106.417	0.00	0.03	0.050	O	|	|	|	0.07
106.500	0.00	0.03	0.050	O	|	|	|	0.07

106.583	0.00	0.03	0.050	O	|	|	|	|	0.07
106.667	0.00	0.03	0.050	O	|	|	|	|	0.07
106.750	0.00	0.03	0.050	O	|	|	|	|	0.07
106.833	0.00	0.03	0.050	O	|	|	|	|	0.07
106.917	0.00	0.03	0.049	O	|	|	|	|	0.07
107.000	0.00	0.02	0.049	O	|	|	|	|	0.07
107.083	0.00	0.02	0.049	O	|	|	|	|	0.07
107.167	0.00	0.02	0.049	O	|	|	|	|	0.07
107.250	0.00	0.02	0.049	O	|	|	|	|	0.07
107.333	0.00	0.02	0.049	O	|	|	|	|	0.07
107.417	0.00	0.02	0.048	O	|	|	|	|	0.07
107.500	0.00	0.02	0.048	O	|	|	|	|	0.07
107.583	0.00	0.02	0.048	O	|	|	|	|	0.07
107.667	0.00	0.02	0.048	O	|	|	|	|	0.07
107.750	0.00	0.02	0.048	O	|	|	|	|	0.07
107.833	0.00	0.02	0.047	O	|	|	|	|	0.07
107.917	0.00	0.02	0.047	O	|	|	|	|	0.07
108.000	0.00	0.02	0.047	O	|	|	|	|	0.07
108.083	0.00	0.02	0.047	O	|	|	|	|	0.07
108.167	0.00	0.02	0.047	O	|	|	|	|	0.07
108.250	0.00	0.02	0.047	O	|	|	|	|	0.07
108.333	0.00	0.02	0.047	O	|	|	|	|	0.07
108.417	0.00	0.02	0.046	O	|	|	|	|	0.07
108.500	0.00	0.02	0.046	O	|	|	|	|	0.07
108.583	0.00	0.02	0.046	O	|	|	|	|	0.06
108.667	0.00	0.02	0.046	O	|	|	|	|	0.06
108.750	0.00	0.02	0.046	O	|	|	|	|	0.06
108.833	0.00	0.02	0.046	O	|	|	|	|	0.06
108.917	0.00	0.02	0.045	O	|	|	|	|	0.06
109.000	0.00	0.02	0.045	O	|	|	|	|	0.06
109.083	0.00	0.02	0.045	O	|	|	|	|	0.06
109.167	0.00	0.02	0.045	O	|	|	|	|	0.06
109.250	0.00	0.02	0.045	O	|	|	|	|	0.06
109.333	0.00	0.02	0.045	O	|	|	|	|	0.06
109.417	0.00	0.02	0.044	O	|	|	|	|	0.06
109.500	0.00	0.02	0.044	O	|	|	|	|	0.06
109.583	0.00	0.02	0.044	O	|	|	|	|	0.06
109.667	0.00	0.02	0.044	O	|	|	|	|	0.06
109.750	0.00	0.02	0.044	O	|	|	|	|	0.06
109.833	0.00	0.02	0.044	O	|	|	|	|	0.06
109.917	0.00	0.02	0.044	O	|	|	|	|	0.06
110.000	0.00	0.02	0.043	O	|	|	|	|	0.06
110.083	0.00	0.02	0.043	O	|	|	|	|	0.06
110.167	0.00	0.02	0.043	O	|	|	|	|	0.06
110.250	0.00	0.02	0.043	O	|	|	|	|	0.06
110.333	0.00	0.02	0.043	O	|	|	|	|	0.06
110.417	0.00	0.02	0.043	O	|	|	|	|	0.06
110.500	0.00	0.02	0.042	O	|	|	|	|	0.06
110.583	0.00	0.02	0.042	O	|	|	|	|	0.06
110.667	0.00	0.02	0.042	O	|	|	|	|	0.06
110.750	0.00	0.02	0.042	O	|	|	|	|	0.06
110.833	0.00	0.02	0.042	O	|	|	|	|	0.06
110.917	0.00	0.02	0.042	O	|	|	|	|	0.06
111.000	0.00	0.02	0.042	O	|	|	|	|	0.06
111.083	0.00	0.02	0.041	O	|	|	|	|	0.06
111.167	0.00	0.02	0.041	O	|	|	|	|	0.06
111.250	0.00	0.02	0.041	O	|	|	|	|	0.06
111.333	0.00	0.02	0.041	O	|	|	|	|	0.06
111.417	0.00	0.02	0.041	O	|	|	|	|	0.06
111.500	0.00	0.02	0.041	O	|	|	|	|	0.06
111.583	0.00	0.02	0.041	O	|	|	|	|	0.06
111.667	0.00	0.02	0.040	O	|	|	|	|	0.06
111.750	0.00	0.02	0.040	O	|	|	|	|	0.06
111.833	0.00	0.02	0.040	O	|	|	|	|	0.06
111.917	0.00	0.02	0.040	O	|	|	|	|	0.06
112.000	0.00	0.02	0.040	O	|	|	|	|	0.06
112.083	0.00	0.02	0.040	O	|	|	|	|	0.06

112.167	0.00	0.02	0.040	O	|	|	|	|	0.06
112.250	0.00	0.02	0.039	O	|	|	|	|	0.06
112.333	0.00	0.02	0.039	O	|	|	|	|	0.06
112.417	0.00	0.02	0.039	O	|	|	|	|	0.06
112.500	0.00	0.02	0.039	O	|	|	|	|	0.06
112.583	0.00	0.02	0.039	O	|	|	|	|	0.05
112.667	0.00	0.02	0.039	O	|	|	|	|	0.05
112.750	0.00	0.02	0.039	O	|	|	|	|	0.05
112.833	0.00	0.02	0.039	O	|	|	|	|	0.05
112.917	0.00	0.02	0.038	O	|	|	|	|	0.05
113.000	0.00	0.02	0.038	O	|	|	|	|	0.05
113.083	0.00	0.02	0.038	O	|	|	|	|	0.05
113.167	0.00	0.02	0.038	O	|	|	|	|	0.05
113.250	0.00	0.02	0.038	O	|	|	|	|	0.05
113.333	0.00	0.02	0.038	O	|	|	|	|	0.05
113.417	0.00	0.02	0.038	O	|	|	|	|	0.05
113.500	0.00	0.02	0.037	O	|	|	|	|	0.05
113.583	0.00	0.02	0.037	O	|	|	|	|	0.05
113.667	0.00	0.02	0.037	O	|	|	|	|	0.05
113.750	0.00	0.02	0.037	O	|	|	|	|	0.05
113.833	0.00	0.02	0.037	O	|	|	|	|	0.05
113.917	0.00	0.02	0.037	O	|	|	|	|	0.05
114.000	0.00	0.02	0.037	O	|	|	|	|	0.05
114.083	0.00	0.02	0.037	O	|	|	|	|	0.05
114.167	0.00	0.02	0.036	O	|	|	|	|	0.05
114.250	0.00	0.02	0.036	O	|	|	|	|	0.05
114.333	0.00	0.02	0.036	O	|	|	|	|	0.05
114.417	0.00	0.02	0.036	O	|	|	|	|	0.05
114.500	0.00	0.02	0.036	O	|	|	|	|	0.05
114.583	0.00	0.02	0.036	O	|	|	|	|	0.05
114.667	0.00	0.02	0.036	O	|	|	|	|	0.05
114.750	0.00	0.02	0.036	O	|	|	|	|	0.05
114.833	0.00	0.02	0.035	O	|	|	|	|	0.05
114.917	0.00	0.02	0.035	O	|	|	|	|	0.05
115.000	0.00	0.02	0.035	O	|	|	|	|	0.05
115.083	0.00	0.02	0.035	O	|	|	|	|	0.05
115.167	0.00	0.02	0.035	O	|	|	|	|	0.05
115.250	0.00	0.02	0.035	O	|	|	|	|	0.05
115.333	0.00	0.02	0.035	O	|	|	|	|	0.05
115.417	0.00	0.02	0.035	O	|	|	|	|	0.05
115.500	0.00	0.02	0.034	O	|	|	|	|	0.05
115.583	0.00	0.02	0.034	O	|	|	|	|	0.05
115.667	0.00	0.02	0.034	O	|	|	|	|	0.05
115.750	0.00	0.02	0.034	O	|	|	|	|	0.05
115.833	0.00	0.02	0.034	O	|	|	|	|	0.05
115.917	0.00	0.02	0.034	O	|	|	|	|	0.05
116.000	0.00	0.02	0.034	O	|	|	|	|	0.05
116.083	0.00	0.02	0.034	O	|	|	|	|	0.05
116.167	0.00	0.02	0.033	O	|	|	|	|	0.05
116.250	0.00	0.02	0.033	O	|	|	|	|	0.05
116.333	0.00	0.02	0.033	O	|	|	|	|	0.05
116.417	0.00	0.02	0.033	O	|	|	|	|	0.05
116.500	0.00	0.02	0.033	O	|	|	|	|	0.05
116.583	0.00	0.02	0.033	O	|	|	|	|	0.05
116.667	0.00	0.02	0.033	O	|	|	|	|	0.05
116.750	0.00	0.02	0.033	O	|	|	|	|	0.05
116.833	0.00	0.02	0.033	O	|	|	|	|	0.05
116.917	0.00	0.02	0.032	O	|	|	|	|	0.05
117.000	0.00	0.02	0.032	O	|	|	|	|	0.05
117.083	0.00	0.02	0.032	O	|	|	|	|	0.05
117.167	0.00	0.02	0.032	O	|	|	|	|	0.05
117.250	0.00	0.02	0.032	O	|	|	|	|	0.05
117.333	0.00	0.02	0.032	O	|	|	|	|	0.04
117.417	0.00	0.02	0.032	O	|	|	|	|	0.04
117.500	0.00	0.02	0.032	O	|	|	|	|	0.04
117.583	0.00	0.02	0.032	O	|	|	|	|	0.04
117.667	0.00	0.02	0.031	O	|	|	|	|	0.04

117.750	0.00	0.02	0.031	O	|	|	|	|	0.04
117.833	0.00	0.02	0.031	O	|	|	|	|	0.04
117.917	0.00	0.02	0.031	O	|	|	|	|	0.04
118.000	0.00	0.02	0.031	O	|	|	|	|	0.04
118.083	0.00	0.02	0.031	O	|	|	|	|	0.04
118.167	0.00	0.02	0.031	O	|	|	|	|	0.04
118.250	0.00	0.02	0.031	O	|	|	|	|	0.04
118.333	0.00	0.02	0.031	O	|	|	|	|	0.04
118.417	0.00	0.02	0.030	O	|	|	|	|	0.04
118.500	0.00	0.02	0.030	O	|	|	|	|	0.04
118.583	0.00	0.02	0.030	O	|	|	|	|	0.04
118.667	0.00	0.02	0.030	O	|	|	|	|	0.04
118.750	0.00	0.02	0.030	O	|	|	|	|	0.04
118.833	0.00	0.02	0.030	O	|	|	|	|	0.04
118.917	0.00	0.02	0.030	O	|	|	|	|	0.04
119.000	0.00	0.02	0.030	O	|	|	|	|	0.04
119.083	0.00	0.02	0.030	O	|	|	|	|	0.04
119.167	0.00	0.01	0.030	O	|	|	|	|	0.04
119.250	0.00	0.01	0.029	O	|	|	|	|	0.04
119.333	0.00	0.01	0.029	O	|	|	|	|	0.04
119.417	0.00	0.01	0.029	O	|	|	|	|	0.04
119.500	0.00	0.01	0.029	O	|	|	|	|	0.04
119.583	0.00	0.01	0.029	O	|	|	|	|	0.04
119.667	0.00	0.01	0.029	O	|	|	|	|	0.04
119.750	0.00	0.01	0.029	O	|	|	|	|	0.04
119.833	0.00	0.01	0.029	O	|	|	|	|	0.04
119.917	0.00	0.01	0.029	O	|	|	|	|	0.04
120.000	0.00	0.01	0.029	O	|	|	|	|	0.04
120.083	0.00	0.01	0.028	O	|	|	|	|	0.04
120.167	0.00	0.01	0.028	O	|	|	|	|	0.04
120.250	0.00	0.01	0.028	O	|	|	|	|	0.04
120.333	0.00	0.01	0.028	O	|	|	|	|	0.04
120.417	0.00	0.01	0.028	O	|	|	|	|	0.04
120.500	0.00	0.01	0.028	O	|	|	|	|	0.04
120.583	0.00	0.01	0.028	O	|	|	|	|	0.04
120.667	0.00	0.01	0.028	O	|	|	|	|	0.04
120.750	0.00	0.01	0.028	O	|	|	|	|	0.04
120.833	0.00	0.01	0.028	O	|	|	|	|	0.04
120.917	0.00	0.01	0.027	O	|	|	|	|	0.04
121.000	0.00	0.01	0.027	O	|	|	|	|	0.04
121.083	0.00	0.01	0.027	O	|	|	|	|	0.04
121.167	0.00	0.01	0.027	O	|	|	|	|	0.04
121.250	0.00	0.01	0.027	O	|	|	|	|	0.04
121.333	0.00	0.01	0.027	O	|	|	|	|	0.04
121.417	0.00	0.01	0.027	O	|	|	|	|	0.04
121.500	0.00	0.01	0.027	O	|	|	|	|	0.04
121.583	0.00	0.01	0.027	O	|	|	|	|	0.04
121.667	0.00	0.01	0.027	O	|	|	|	|	0.04
121.750	0.00	0.01	0.027	O	|	|	|	|	0.04
121.833	0.00	0.01	0.026	O	|	|	|	|	0.04
121.917	0.00	0.01	0.026	O	|	|	|	|	0.04
122.000	0.00	0.01	0.026	O	|	|	|	|	0.04
122.083	0.00	0.01	0.026	O	|	|	|	|	0.04
122.167	0.00	0.01	0.026	O	|	|	|	|	0.04
122.250	0.00	0.01	0.026	O	|	|	|	|	0.04
122.333	0.00	0.01	0.026	O	|	|	|	|	0.04
122.417	0.00	0.01	0.026	O	|	|	|	|	0.04
122.500	0.00	0.01	0.026	O	|	|	|	|	0.04
122.583	0.00	0.01	0.026	O	|	|	|	|	0.04
122.667	0.00	0.01	0.026	O	|	|	|	|	0.04
122.750	0.00	0.01	0.025	O	|	|	|	|	0.04
122.833	0.00	0.01	0.025	O	|	|	|	|	0.04
122.917	0.00	0.01	0.025	O	|	|	|	|	0.04
123.000	0.00	0.01	0.025	O	|	|	|	|	0.04
123.083	0.00	0.01	0.025	O	|	|	|	|	0.04
123.167	0.00	0.01	0.025	O	|	|	|	|	0.04
123.250	0.00	0.01	0.025	O	|	|	|	|	0.04

123.333	0.00	0.01	0.025	O					0.03
123.417	0.00	0.01	0.025	O					0.03
123.500	0.00	0.01	0.025	O					0.03
123.583	0.00	0.01	0.025	O					0.03
123.667	0.00	0.01	0.024	O					0.03
123.750	0.00	0.01	0.024	O					0.03
123.833	0.00	0.01	0.024	O					0.03
123.917	0.00	0.01	0.024	O					0.03
124.000	0.00	0.01	0.024	O					0.03
124.083	0.00	0.01	0.024	O					0.03
124.167	0.00	0.01	0.024	O					0.03
124.250	0.00	0.01	0.024	O					0.03
124.333	0.00	0.01	0.024	O					0.03
124.417	0.00	0.01	0.024	O					0.03
124.500	0.00	0.01	0.024	O					0.03
124.583	0.00	0.01	0.024	O					0.03
124.667	0.00	0.01	0.023	O					0.03
124.750	0.00	0.01	0.023	O					0.03
124.833	0.00	0.01	0.023	O					0.03
124.917	0.00	0.01	0.023	O					0.03
125.000	0.00	0.01	0.023	O					0.03
125.083	0.00	0.01	0.023	O					0.03
125.167	0.00	0.01	0.023	O					0.03
125.250	0.00	0.01	0.023	O					0.03
125.333	0.00	0.01	0.023	O					0.03
125.417	0.00	0.01	0.023	O					0.03
125.500	0.00	0.01	0.023	O					0.03
125.583	0.00	0.01	0.023	O					0.03
125.667	0.00	0.01	0.022	O					0.03
125.750	0.00	0.01	0.022	O					0.03
125.833	0.00	0.01	0.022	O					0.03
125.917	0.00	0.01	0.022	O					0.03
126.000	0.00	0.01	0.022	O					0.03
126.083	0.00	0.01	0.022	O					0.03
126.167	0.00	0.01	0.022	O					0.03
126.250	0.00	0.01	0.022	O					0.03
126.333	0.00	0.01	0.022	O					0.03
126.417	0.00	0.01	0.022	O					0.03
126.500	0.00	0.01	0.022	O					0.03
126.583	0.00	0.01	0.022	O					0.03
126.667	0.00	0.01	0.022	O					0.03
126.750	0.00	0.01	0.021	O					0.03
126.833	0.00	0.01	0.021	O					0.03
126.917	0.00	0.01	0.021	O					0.03
127.000	0.00	0.01	0.021	O					0.03
127.083	0.00	0.01	0.021	O					0.03
127.167	0.00	0.01	0.021	O					0.03
127.250	0.00	0.01	0.021	O					0.03
127.333	0.00	0.01	0.021	O					0.03
127.417	0.00	0.01	0.021	O					0.03
127.500	0.00	0.01	0.021	O					0.03
127.583	0.00	0.01	0.021	O					0.03
127.667	0.00	0.01	0.021	O					0.03
127.750	0.00	0.01	0.021	O					0.03
127.833	0.00	0.01	0.021	O					0.03
127.917	0.00	0.01	0.020	O					0.03
128.000	0.00	0.01	0.020	O					0.03
128.083	0.00	0.01	0.020	O					0.03
128.167	0.00	0.01	0.020	O					0.03
128.250	0.00	0.01	0.020	O					0.03
128.333	0.00	0.01	0.020	O					0.03
128.417	0.00	0.01	0.020	O					0.03
128.500	0.00	0.01	0.020	O					0.03
128.583	0.00	0.01	0.020	O					0.03
128.667	0.00	0.01	0.020	O					0.03
128.750	0.00	0.01	0.020	O					0.03
128.833	0.00	0.01	0.020	O					0.03

128.917	0.00	0.01	0.020	O	|	|	|	|	0.03
129.000	0.00	0.01	0.020	O	|	|	|	|	0.03
129.083	0.00	0.01	0.019	O	|	|	|	|	0.03
129.167	0.00	0.01	0.019	O	|	|	|	|	0.03
129.250	0.00	0.01	0.019	O	|	|	|	|	0.03
129.333	0.00	0.01	0.019	O	|	|	|	|	0.03
129.417	0.00	0.01	0.019	O	|	|	|	|	0.03
129.500	0.00	0.01	0.019	O	|	|	|	|	0.03
129.583	0.00	0.01	0.019	O	|	|	|	|	0.03
129.667	0.00	0.01	0.019	O	|	|	|	|	0.03
129.750	0.00	0.01	0.019	O	|	|	|	|	0.03
129.833	0.00	0.01	0.019	O	|	|	|	|	0.03
129.917	0.00	0.01	0.019	O	|	|	|	|	0.03
130.000	0.00	0.01	0.019	O	|	|	|	|	0.03
130.083	0.00	0.01	0.019	O	|	|	|	|	0.03
130.167	0.00	0.01	0.019	O	|	|	|	|	0.03
130.250	0.00	0.01	0.019	O	|	|	|	|	0.03
130.333	0.00	0.01	0.019	O	|	|	|	|	0.03
130.417	0.00	0.01	0.018	O	|	|	|	|	0.03
130.500	0.00	0.01	0.018	O	|	|	|	|	0.03
130.583	0.00	0.01	0.018	O	|	|	|	|	0.03
130.667	0.00	0.01	0.018	O	|	|	|	|	0.03
130.750	0.00	0.01	0.018	O	|	|	|	|	0.03
130.833	0.00	0.01	0.018	O	|	|	|	|	0.03
130.917	0.00	0.01	0.018	O	|	|	|	|	0.03
131.000	0.00	0.01	0.018	O	|	|	|	|	0.03
131.083	0.00	0.01	0.018	O	|	|	|	|	0.03
131.167	0.00	0.01	0.018	O	|	|	|	|	0.03
131.250	0.00	0.01	0.018	O	|	|	|	|	0.03
131.333	0.00	0.01	0.018	O	|	|	|	|	0.02
131.417	0.00	0.01	0.018	O	|	|	|	|	0.02
131.500	0.00	0.01	0.018	O	|	|	|	|	0.02
131.583	0.00	0.01	0.018	O	|	|	|	|	0.02
131.667	0.00	0.01	0.017	O	|	|	|	|	0.02
131.750	0.00	0.01	0.017	O	|	|	|	|	0.02
131.833	0.00	0.01	0.017	O	|	|	|	|	0.02
131.917	0.00	0.01	0.017	O	|	|	|	|	0.02
132.000	0.00	0.01	0.017	O	|	|	|	|	0.02
132.083	0.00	0.01	0.017	O	|	|	|	|	0.02
132.167	0.00	0.01	0.017	O	|	|	|	|	0.02
132.250	0.00	0.01	0.017	O	|	|	|	|	0.02
132.333	0.00	0.01	0.017	O	|	|	|	|	0.02
132.417	0.00	0.01	0.017	O	|	|	|	|	0.02
132.500	0.00	0.01	0.017	O	|	|	|	|	0.02
132.583	0.00	0.01	0.017	O	|	|	|	|	0.02
132.667	0.00	0.01	0.017	O	|	|	|	|	0.02
132.750	0.00	0.01	0.017	O	|	|	|	|	0.02
132.833	0.00	0.01	0.017	O	|	|	|	|	0.02
132.917	0.00	0.01	0.017	O	|	|	|	|	0.02
133.000	0.00	0.01	0.017	O	|	|	|	|	0.02
133.083	0.00	0.01	0.016	O	|	|	|	|	0.02
133.167	0.00	0.01	0.016	O	|	|	|	|	0.02
133.250	0.00	0.01	0.016	O	|	|	|	|	0.02
133.333	0.00	0.01	0.016	O	|	|	|	|	0.02
133.417	0.00	0.01	0.016	O	|	|	|	|	0.02
133.500	0.00	0.01	0.016	O	|	|	|	|	0.02
133.583	0.00	0.01	0.016	O	|	|	|	|	0.02
133.667	0.00	0.01	0.016	O	|	|	|	|	0.02
133.750	0.00	0.01	0.016	O	|	|	|	|	0.02
133.833	0.00	0.01	0.016	O	|	|	|	|	0.02
133.917	0.00	0.01	0.016	O	|	|	|	|	0.02
134.000	0.00	0.01	0.016	O	|	|	|	|	0.02
134.083	0.00	0.01	0.016	O	|	|	|	|	0.02
134.167	0.00	0.01	0.016	O	|	|	|	|	0.02
134.250	0.00	0.01	0.016	O	|	|	|	|	0.02
134.333	0.00	0.01	0.016	O	|	|	|	|	0.02
134.417	0.00	0.01	0.016	O	|	|	|	|	0.02

134.500	0.00	0.01	0.016	O	|	|	|	|	0.02
134.583	0.00	0.01	0.015	O	|	|	|	|	0.02
134.667	0.00	0.01	0.015	O	|	|	|	|	0.02
134.750	0.00	0.01	0.015	O	|	|	|	|	0.02
134.833	0.00	0.01	0.015	O	|	|	|	|	0.02
134.917	0.00	0.01	0.015	O	|	|	|	|	0.02
135.000	0.00	0.01	0.015	O	|	|	|	|	0.02
135.083	0.00	0.01	0.015	O	|	|	|	|	0.02
135.167	0.00	0.01	0.015	O	|	|	|	|	0.02
135.250	0.00	0.01	0.015	O	|	|	|	|	0.02
135.333	0.00	0.01	0.015	O	|	|	|	|	0.02
135.417	0.00	0.01	0.015	O	|	|	|	|	0.02
135.500	0.00	0.01	0.015	O	|	|	|	|	0.02
135.583	0.00	0.01	0.015	O	|	|	|	|	0.02
135.667	0.00	0.01	0.015	O	|	|	|	|	0.02
135.750	0.00	0.01	0.015	O	|	|	|	|	0.02
135.833	0.00	0.01	0.015	O	|	|	|	|	0.02
135.917	0.00	0.01	0.015	O	|	|	|	|	0.02
136.000	0.00	0.01	0.015	O	|	|	|	|	0.02
136.083	0.00	0.01	0.015	O	|	|	|	|	0.02
136.167	0.00	0.01	0.014	O	|	|	|	|	0.02
136.250	0.00	0.01	0.014	O	|	|	|	|	0.02
136.333	0.00	0.01	0.014	O	|	|	|	|	0.02
136.417	0.00	0.01	0.014	O	|	|	|	|	0.02
136.500	0.00	0.01	0.014	O	|	|	|	|	0.02
136.583	0.00	0.01	0.014	O	|	|	|	|	0.02
136.667	0.00	0.01	0.014	O	|	|	|	|	0.02
136.750	0.00	0.01	0.014	O	|	|	|	|	0.02
136.833	0.00	0.01	0.014	O	|	|	|	|	0.02
136.917	0.00	0.01	0.014	O	|	|	|	|	0.02
137.000	0.00	0.01	0.014	O	|	|	|	|	0.02
137.083	0.00	0.01	0.014	O	|	|	|	|	0.02
137.167	0.00	0.01	0.014	O	|	|	|	|	0.02
137.250	0.00	0.01	0.014	O	|	|	|	|	0.02
137.333	0.00	0.01	0.014	O	|	|	|	|	0.02
137.417	0.00	0.01	0.014	O	|	|	|	|	0.02
137.500	0.00	0.01	0.014	O	|	|	|	|	0.02
137.583	0.00	0.01	0.014	O	|	|	|	|	0.02
137.667	0.00	0.01	0.014	O	|	|	|	|	0.02
137.750	0.00	0.01	0.014	O	|	|	|	|	0.02
137.833	0.00	0.01	0.014	O	|	|	|	|	0.02
137.917	0.00	0.01	0.013	O	|	|	|	|	0.02
138.000	0.00	0.01	0.013	O	|	|	|	|	0.02
138.083	0.00	0.01	0.013	O	|	|	|	|	0.02
138.167	0.00	0.01	0.013	O	|	|	|	|	0.02
138.250	0.00	0.01	0.013	O	|	|	|	|	0.02
138.333	0.00	0.01	0.013	O	|	|	|	|	0.02
138.417	0.00	0.01	0.013	O	|	|	|	|	0.02
138.500	0.00	0.01	0.013	O	|	|	|	|	0.02
138.583	0.00	0.01	0.013	O	|	|	|	|	0.02
138.667	0.00	0.01	0.013	O	|	|	|	|	0.02
138.750	0.00	0.01	0.013	O	|	|	|	|	0.02
138.833	0.00	0.01	0.013	O	|	|	|	|	0.02
138.917	0.00	0.01	0.013	O	|	|	|	|	0.02
139.000	0.00	0.01	0.013	O	|	|	|	|	0.02
139.083	0.00	0.01	0.013	O	|	|	|	|	0.02
139.167	0.00	0.01	0.013	O	|	|	|	|	0.02
139.250	0.00	0.01	0.013	O	|	|	|	|	0.02
139.333	0.00	0.01	0.013	O	|	|	|	|	0.02
139.417	0.00	0.01	0.013	O	|	|	|	|	0.02
139.500	0.00	0.01	0.013	O	|	|	|	|	0.02
139.583	0.00	0.01	0.013	O	|	|	|	|	0.02
139.667	0.00	0.01	0.013	O	|	|	|	|	0.02
139.750	0.00	0.01	0.012	O	|	|	|	|	0.02
139.833	0.00	0.01	0.012	O	|	|	|	|	0.02
139.917	0.00	0.01	0.012	O	|	|	|	|	0.02
140.000	0.00	0.01	0.012	O	|	|	|	|	0.02

140.083	0.00	0.01	0.012	O	|	|	|	|	0.02
140.167	0.00	0.01	0.012	O	|	|	|	|	0.02
140.250	0.00	0.01	0.012	O	|	|	|	|	0.02
140.333	0.00	0.01	0.012	O	|	|	|	|	0.02
140.417	0.00	0.01	0.012	O	|	|	|	|	0.02
140.500	0.00	0.01	0.012	O	|	|	|	|	0.02
140.583	0.00	0.01	0.012	O	|	|	|	|	0.02
140.667	0.00	0.01	0.012	O	|	|	|	|	0.02
140.750	0.00	0.01	0.012	O	|	|	|	|	0.02
140.833	0.00	0.01	0.012	O	|	|	|	|	0.02
140.917	0.00	0.01	0.012	O	|	|	|	|	0.02
141.000	0.00	0.01	0.012	O	|	|	|	|	0.02
141.083	0.00	0.01	0.012	O	|	|	|	|	0.02
141.167	0.00	0.01	0.012	O	|	|	|	|	0.02
141.250	0.00	0.01	0.012	O	|	|	|	|	0.02
141.333	0.00	0.01	0.012	O	|	|	|	|	0.02
141.417	0.00	0.01	0.012	O	|	|	|	|	0.02
141.500	0.00	0.01	0.012	O	|	|	|	|	0.02
141.583	0.00	0.01	0.012	O	|	|	|	|	0.02
141.667	0.00	0.01	0.012	O	|	|	|	|	0.02
141.750	0.00	0.01	0.011	O	|	|	|	|	0.02
141.833	0.00	0.01	0.011	O	|	|	|	|	0.02
141.917	0.00	0.01	0.011	O	|	|	|	|	0.02
142.000	0.00	0.01	0.011	O	|	|	|	|	0.02
142.083	0.00	0.01	0.011	O	|	|	|	|	0.02
142.167	0.00	0.01	0.011	O	|	|	|	|	0.02
142.250	0.00	0.01	0.011	O	|	|	|	|	0.02
142.333	0.00	0.01	0.011	O	|	|	|	|	0.02
142.417	0.00	0.01	0.011	O	|	|	|	|	0.02
142.500	0.00	0.01	0.011	O	|	|	|	|	0.02
142.583	0.00	0.01	0.011	O	|	|	|	|	0.02
142.667	0.00	0.01	0.011	O	|	|	|	|	0.02
142.750	0.00	0.01	0.011	O	|	|	|	|	0.02
142.833	0.00	0.01	0.011	O	|	|	|	|	0.02
142.917	0.00	0.01	0.011	O	|	|	|	|	0.02
143.000	0.00	0.01	0.011	O	|	|	|	|	0.02
143.083	0.00	0.01	0.011	O	|	|	|	|	0.02
143.167	0.00	0.01	0.011	O	|	|	|	|	0.02
143.250	0.00	0.01	0.011	O	|	|	|	|	0.02
143.333	0.00	0.01	0.011	O	|	|	|	|	0.02
143.417	0.00	0.01	0.011	O	|	|	|	|	0.02
143.500	0.00	0.01	0.011	O	|	|	|	|	0.02
143.583	0.00	0.01	0.011	O	|	|	|	|	0.01
143.667	0.00	0.01	0.011	O	|	|	|	|	0.01
143.750	0.00	0.01	0.011	O	|	|	|	|	0.01
143.833	0.00	0.01	0.011	O	|	|	|	|	0.01
143.917	0.00	0.01	0.010	O	|	|	|	|	0.01
144.000	0.00	0.01	0.010	O	|	|	|	|	0.01
144.083	0.00	0.01	0.010	O	|	|	|	|	0.01
144.167	0.00	0.01	0.010	O	|	|	|	|	0.01
144.250	0.00	0.01	0.010	O	|	|	|	|	0.01
144.333	0.00	0.01	0.010	O	|	|	|	|	0.01
144.417	0.00	0.01	0.010	O	|	|	|	|	0.01
144.500	0.00	0.01	0.010	O	|	|	|	|	0.01
144.583	0.00	0.01	0.010	O	|	|	|	|	0.01
144.667	0.00	0.01	0.010	O	|	|	|	|	0.01
144.750	0.00	0.01	0.010	O	|	|	|	|	0.01
144.833	0.00	0.01	0.010	O	|	|	|	|	0.01
144.917	0.00	0.01	0.010	O	|	|	|	|	0.01
145.000	0.00	0.01	0.010	O	|	|	|	|	0.01
145.083	0.00	0.01	0.010	O	|	|	|	|	0.01
145.167	0.00	0.01	0.010	O	|	|	|	|	0.01
145.250	0.00	0.01	0.010	O	|	|	|	|	0.01
145.333	0.00	0.01	0.010	O	|	|	|	|	0.01
145.417	0.00	0.00	0.010	O	|	|	|	|	0.01
145.500	0.00	0.00	0.010	O	|	|	|	|	0.01
145.583	0.00	0.00	0.010	O	|	|	|	|	0.01

145.667	0.00	0.00	0.010	O	|	|	|	|	0.01
145.750	0.00	0.00	0.010	O	|	|	|	|	0.01
145.833	0.00	0.00	0.010	O	|	|	|	|	0.01
145.917	0.00	0.00	0.010	O	|	|	|	|	0.01
146.000	0.00	0.00	0.010	O	|	|	|	|	0.01
146.083	0.00	0.00	0.010	O	|	|	|	|	0.01
146.167	0.00	0.00	0.010	O	|	|	|	|	0.01
146.250	0.00	0.00	0.009	O	|	|	|	|	0.01
146.333	0.00	0.00	0.009	O	|	|	|	|	0.01
146.417	0.00	0.00	0.009	O	|	|	|	|	0.01
146.500	0.00	0.00	0.009	O	|	|	|	|	0.01
146.583	0.00	0.00	0.009	O	|	|	|	|	0.01
146.667	0.00	0.00	0.009	O	|	|	|	|	0.01
146.750	0.00	0.00	0.009	O	|	|	|	|	0.01
146.833	0.00	0.00	0.009	O	|	|	|	|	0.01
146.917	0.00	0.00	0.009	O	|	|	|	|	0.01
147.000	0.00	0.00	0.009	O	|	|	|	|	0.01
147.083	0.00	0.00	0.009	O	|	|	|	|	0.01
147.167	0.00	0.00	0.009	O	|	|	|	|	0.01
147.250	0.00	0.00	0.009	O	|	|	|	|	0.01
147.333	0.00	0.00	0.009	O	|	|	|	|	0.01
147.417	0.00	0.00	0.009	O	|	|	|	|	0.01
147.500	0.00	0.00	0.009	O	|	|	|	|	0.01
147.583	0.00	0.00	0.009	O	|	|	|	|	0.01
147.667	0.00	0.00	0.009	O	|	|	|	|	0.01
147.750	0.00	0.00	0.009	O	|	|	|	|	0.01
147.833	0.00	0.00	0.009	O	|	|	|	|	0.01
147.917	0.00	0.00	0.009	O	|	|	|	|	0.01
148.000	0.00	0.00	0.009	O	|	|	|	|	0.01
148.083	0.00	0.00	0.009	O	|	|	|	|	0.01
148.167	0.00	0.00	0.009	O	|	|	|	|	0.01
148.250	0.00	0.00	0.009	O	|	|	|	|	0.01
148.333	0.00	0.00	0.009	O	|	|	|	|	0.01
148.417	0.00	0.00	0.009	O	|	|	|	|	0.01
148.500	0.00	0.00	0.009	O	|	|	|	|	0.01
148.583	0.00	0.00	0.009	O	|	|	|	|	0.01
148.667	0.00	0.00	0.009	O	|	|	|	|	0.01
148.750	0.00	0.00	0.009	O	|	|	|	|	0.01
148.833	0.00	0.00	0.009	O	|	|	|	|	0.01
148.917	0.00	0.00	0.008	O	|	|	|	|	0.01
149.000	0.00	0.00	0.008	O	|	|	|	|	0.01
149.083	0.00	0.00	0.008	O	|	|	|	|	0.01
149.167	0.00	0.00	0.008	O	|	|	|	|	0.01
149.250	0.00	0.00	0.008	O	|	|	|	|	0.01
149.333	0.00	0.00	0.008	O	|	|	|	|	0.01
149.417	0.00	0.00	0.008	O	|	|	|	|	0.01
149.500	0.00	0.00	0.008	O	|	|	|	|	0.01
149.583	0.00	0.00	0.008	O	|	|	|	|	0.01
149.667	0.00	0.00	0.008	O	|	|	|	|	0.01
149.750	0.00	0.00	0.008	O	|	|	|	|	0.01
149.833	0.00	0.00	0.008	O	|	|	|	|	0.01
149.917	0.00	0.00	0.008	O	|	|	|	|	0.01
150.000	0.00	0.00	0.008	O	|	|	|	|	0.01
150.083	0.00	0.00	0.008	O	|	|	|	|	0.01
150.167	0.00	0.00	0.008	O	|	|	|	|	0.01
150.250	0.00	0.00	0.008	O	|	|	|	|	0.01
150.333	0.00	0.00	0.008	O	|	|	|	|	0.01
150.417	0.00	0.00	0.008	O	|	|	|	|	0.01
150.500	0.00	0.00	0.008	O	|	|	|	|	0.01
150.583	0.00	0.00	0.008	O	|	|	|	|	0.01
150.667	0.00	0.00	0.008	O	|	|	|	|	0.01
150.750	0.00	0.00	0.008	O	|	|	|	|	0.01
150.833	0.00	0.00	0.008	O	|	|	|	|	0.01
150.917	0.00	0.00	0.008	O	|	|	|	|	0.01
151.000	0.00	0.00	0.008	O	|	|	|	|	0.01
151.083	0.00	0.00	0.008	O	|	|	|	|	0.01
151.167	0.00	0.00	0.008	O	|	|	|	|	0.01

151.250	0.00	0.00	0.008	O	|	|	|	|	0.01
151.333	0.00	0.00	0.008	O	|	|	|	|	0.01
151.417	0.00	0.00	0.008	O	|	|	|	|	0.01
151.500	0.00	0.00	0.008	O	|	|	|	|	0.01
151.583	0.00	0.00	0.008	O	|	|	|	|	0.01
151.667	0.00	0.00	0.008	O	|	|	|	|	0.01
151.750	0.00	0.00	0.008	O	|	|	|	|	0.01
151.833	0.00	0.00	0.008	O	|	|	|	|	0.01
151.917	0.00	0.00	0.007	O	|	|	|	|	0.01
152.000	0.00	0.00	0.007	O	|	|	|	|	0.01
152.083	0.00	0.00	0.007	O	|	|	|	|	0.01
152.167	0.00	0.00	0.007	O	|	|	|	|	0.01
152.250	0.00	0.00	0.007	O	|	|	|	|	0.01
152.333	0.00	0.00	0.007	O	|	|	|	|	0.01
152.417	0.00	0.00	0.007	O	|	|	|	|	0.01
152.500	0.00	0.00	0.007	O	|	|	|	|	0.01
152.583	0.00	0.00	0.007	O	|	|	|	|	0.01
152.667	0.00	0.00	0.007	O	|	|	|	|	0.01
152.750	0.00	0.00	0.007	O	|	|	|	|	0.01
152.833	0.00	0.00	0.007	O	|	|	|	|	0.01
152.917	0.00	0.00	0.007	O	|	|	|	|	0.01
153.000	0.00	0.00	0.007	O	|	|	|	|	0.01
153.083	0.00	0.00	0.007	O	|	|	|	|	0.01
153.167	0.00	0.00	0.007	O	|	|	|	|	0.01
153.250	0.00	0.00	0.007	O	|	|	|	|	0.01
153.333	0.00	0.00	0.007	O	|	|	|	|	0.01
153.417	0.00	0.00	0.007	O	|	|	|	|	0.01
153.500	0.00	0.00	0.007	O	|	|	|	|	0.01
153.583	0.00	0.00	0.007	O	|	|	|	|	0.01
153.667	0.00	0.00	0.007	O	|	|	|	|	0.01
153.750	0.00	0.00	0.007	O	|	|	|	|	0.01
153.833	0.00	0.00	0.007	O	|	|	|	|	0.01
153.917	0.00	0.00	0.007	O	|	|	|	|	0.01
154.000	0.00	0.00	0.007	O	|	|	|	|	0.01
154.083	0.00	0.00	0.007	O	|	|	|	|	0.01
154.167	0.00	0.00	0.007	O	|	|	|	|	0.01
154.250	0.00	0.00	0.007	O	|	|	|	|	0.01
154.333	0.00	0.00	0.007	O	|	|	|	|	0.01
154.417	0.00	0.00	0.007	O	|	|	|	|	0.01
154.500	0.00	0.00	0.007	O	|	|	|	|	0.01
154.583	0.00	0.00	0.007	O	|	|	|	|	0.01
154.667	0.00	0.00	0.007	O	|	|	|	|	0.01
154.750	0.00	0.00	0.007	O	|	|	|	|	0.01
154.833	0.00	0.00	0.007	O	|	|	|	|	0.01
154.917	0.00	0.00	0.007	O	|	|	|	|	0.01
155.000	0.00	0.00	0.007	O	|	|	|	|	0.01
155.083	0.00	0.00	0.007	O	|	|	|	|	0.01
155.167	0.00	0.00	0.007	O	|	|	|	|	0.01
155.250	0.00	0.00	0.007	O	|	|	|	|	0.01
155.333	0.00	0.00	0.006	O	|	|	|	|	0.01
155.417	0.00	0.00	0.006	O	|	|	|	|	0.01
155.500	0.00	0.00	0.006	O	|	|	|	|	0.01
155.583	0.00	0.00	0.006	O	|	|	|	|	0.01
155.667	0.00	0.00	0.006	O	|	|	|	|	0.01
155.750	0.00	0.00	0.006	O	|	|	|	|	0.01
155.833	0.00	0.00	0.006	O	|	|	|	|	0.01
155.917	0.00	0.00	0.006	O	|	|	|	|	0.01
156.000	0.00	0.00	0.006	O	|	|	|	|	0.01
156.083	0.00	0.00	0.006	O	|	|	|	|	0.01
156.167	0.00	0.00	0.006	O	|	|	|	|	0.01
156.250	0.00	0.00	0.006	O	|	|	|	|	0.01
156.333	0.00	0.00	0.006	O	|	|	|	|	0.01
156.417	0.00	0.00	0.006	O	|	|	|	|	0.01
156.500	0.00	0.00	0.006	O	|	|	|	|	0.01
156.583	0.00	0.00	0.006	O	|	|	|	|	0.01
156.667	0.00	0.00	0.006	O	|	|	|	|	0.01
156.750	0.00	0.00	0.006	O	|	|	|	|	0.01

156.833	0.00	0.00	0.006	O	|	|	|	|	0.01
156.917	0.00	0.00	0.006	O	|	|	|	|	0.01
157.000	0.00	0.00	0.006	O	|	|	|	|	0.01
157.083	0.00	0.00	0.006	O	|	|	|	|	0.01
157.167	0.00	0.00	0.006	O	|	|	|	|	0.01
157.250	0.00	0.00	0.006	O	|	|	|	|	0.01
157.333	0.00	0.00	0.006	O	|	|	|	|	0.01
157.417	0.00	0.00	0.006	O	|	|	|	|	0.01
157.500	0.00	0.00	0.006	O	|	|	|	|	0.01
157.583	0.00	0.00	0.006	O	|	|	|	|	0.01
157.667	0.00	0.00	0.006	O	|	|	|	|	0.01
157.750	0.00	0.00	0.006	O	|	|	|	|	0.01
157.833	0.00	0.00	0.006	O	|	|	|	|	0.01
157.917	0.00	0.00	0.006	O	|	|	|	|	0.01
158.000	0.00	0.00	0.006	O	|	|	|	|	0.01
158.083	0.00	0.00	0.006	O	|	|	|	|	0.01
158.167	0.00	0.00	0.006	O	|	|	|	|	0.01
158.250	0.00	0.00	0.006	O	|	|	|	|	0.01
158.333	0.00	0.00	0.006	O	|	|	|	|	0.01
158.417	0.00	0.00	0.006	O	|	|	|	|	0.01
158.500	0.00	0.00	0.006	O	|	|	|	|	0.01
158.583	0.00	0.00	0.006	O	|	|	|	|	0.01
158.667	0.00	0.00	0.006	O	|	|	|	|	0.01
158.750	0.00	0.00	0.006	O	|	|	|	|	0.01
158.833	0.00	0.00	0.006	O	|	|	|	|	0.01
158.917	0.00	0.00	0.006	O	|	|	|	|	0.01
159.000	0.00	0.00	0.006	O	|	|	|	|	0.01
159.083	0.00	0.00	0.006	O	|	|	|	|	0.01
159.167	0.00	0.00	0.006	O	|	|	|	|	0.01
159.250	0.00	0.00	0.006	O	|	|	|	|	0.01
159.333	0.00	0.00	0.005	O	|	|	|	|	0.01
159.417	0.00	0.00	0.005	O	|	|	|	|	0.01
159.500	0.00	0.00	0.005	O	|	|	|	|	0.01
159.583	0.00	0.00	0.005	O	|	|	|	|	0.01
159.667	0.00	0.00	0.005	O	|	|	|	|	0.01
159.750	0.00	0.00	0.005	O	|	|	|	|	0.01
159.833	0.00	0.00	0.005	O	|	|	|	|	0.01
159.917	0.00	0.00	0.005	O	|	|	|	|	0.01
160.000	0.00	0.00	0.005	O	|	|	|	|	0.01
160.083	0.00	0.00	0.005	O	|	|	|	|	0.01
160.167	0.00	0.00	0.005	O	|	|	|	|	0.01
160.250	0.00	0.00	0.005	O	|	|	|	|	0.01
160.333	0.00	0.00	0.005	O	|	|	|	|	0.01
160.417	0.00	0.00	0.005	O	|	|	|	|	0.01
160.500	0.00	0.00	0.005	O	|	|	|	|	0.01
160.583	0.00	0.00	0.005	O	|	|	|	|	0.01
160.667	0.00	0.00	0.005	O	|	|	|	|	0.01
160.750	0.00	0.00	0.005	O	|	|	|	|	0.01
160.833	0.00	0.00	0.005	O	|	|	|	|	0.01
160.917	0.00	0.00	0.005	O	|	|	|	|	0.01
161.000	0.00	0.00	0.005	O	|	|	|	|	0.01
161.083	0.00	0.00	0.005	O	|	|	|	|	0.01
161.167	0.00	0.00	0.005	O	|	|	|	|	0.01
161.250	0.00	0.00	0.005	O	|	|	|	|	0.01
161.333	0.00	0.00	0.005	O	|	|	|	|	0.01
161.417	0.00	0.00	0.005	O	|	|	|	|	0.01
161.500	0.00	0.00	0.005	O	|	|	|	|	0.01
161.583	0.00	0.00	0.005	O	|	|	|	|	0.01
161.667	0.00	0.00	0.005	O	|	|	|	|	0.01
161.750	0.00	0.00	0.005	O	|	|	|	|	0.01
161.833	0.00	0.00	0.005	O	|	|	|	|	0.01
161.917	0.00	0.00	0.005	O	|	|	|	|	0.01
162.000	0.00	0.00	0.005	O	|	|	|	|	0.01
162.083	0.00	0.00	0.005	O	|	|	|	|	0.01
162.167	0.00	0.00	0.005	O	|	|	|	|	0.01
162.250	0.00	0.00	0.005	O	|	|	|	|	0.01
162.333	0.00	0.00	0.005	O	|	|	|	|	0.01

162.417	0.00	0.00	0.005	O					0.01
162.500	0.00	0.00	0.005	O					0.01
162.583	0.00	0.00	0.005	O					0.01
162.667	0.00	0.00	0.005	O					0.01
162.750	0.00	0.00	0.005	O					0.01
162.833	0.00	0.00	0.005	O					0.01
162.917	0.00	0.00	0.005	O					0.01
163.000	0.00	0.00	0.005	O					0.01
163.083	0.00	0.00	0.005	O					0.01
163.167	0.00	0.00	0.005	O					0.01
163.250	0.00	0.00	0.005	O					0.01
163.333	0.00	0.00	0.005	O					0.01
163.417	0.00	0.00	0.005	O					0.01
163.500	0.00	0.00	0.005	O					0.01
163.583	0.00	0.00	0.005	O					0.01
163.667	0.00	0.00	0.005	O					0.01
163.750	0.00	0.00	0.005	O					0.01
163.833	0.00	0.00	0.005	O					0.01
163.917	0.00	0.00	0.005	O					0.01
164.000	0.00	0.00	0.005	O					0.01
164.083	0.00	0.00	0.004	O					0.01
164.167	0.00	0.00	0.004	O					0.01
164.250	0.00	0.00	0.004	O					0.01
164.333	0.00	0.00	0.004	O					0.01
164.417	0.00	0.00	0.004	O					0.01
164.500	0.00	0.00	0.004	O					0.01
164.583	0.00	0.00	0.004	O					0.01
164.667	0.00	0.00	0.004	O					0.01
164.750	0.00	0.00	0.004	O					0.01
164.833	0.00	0.00	0.004	O					0.01
164.917	0.00	0.00	0.004	O					0.01
165.000	0.00	0.00	0.004	O					0.01
165.083	0.00	0.00	0.004	O					0.01
165.167	0.00	0.00	0.004	O					0.01
165.250	0.00	0.00	0.004	O					0.01
165.333	0.00	0.00	0.004	O					0.01
165.417	0.00	0.00	0.004	O					0.01
165.500	0.00	0.00	0.004	O					0.01
165.583	0.00	0.00	0.004	O					0.01
165.667	0.00	0.00	0.004	O					0.01
165.750	0.00	0.00	0.004	O					0.01
165.833	0.00	0.00	0.004	O					0.01
165.917	0.00	0.00	0.004	O					0.01
166.000	0.00	0.00	0.004	O					0.01
166.083	0.00	0.00	0.004	O					0.01
166.167	0.00	0.00	0.004	O					0.01
166.250	0.00	0.00	0.004	O					0.01
166.333	0.00	0.00	0.004	O					0.01
166.417	0.00	0.00	0.004	O					0.01
166.500	0.00	0.00	0.004	O					0.01
166.583	0.00	0.00	0.004	O					0.01
166.667	0.00	0.00	0.004	O					0.01
166.750	0.00	0.00	0.004	O					0.01
166.833	0.00	0.00	0.004	O					0.01
166.917	0.00	0.00	0.004	O					0.01
167.000	0.00	0.00	0.004	O					0.01
167.083	0.00	0.00	0.004	O					0.01
167.167	0.00	0.00	0.004	O					0.01
167.250	0.00	0.00	0.004	O					0.01
167.333	0.00	0.00	0.004	O					0.01
167.417	0.00	0.00	0.004	O					0.01
167.500	0.00	0.00	0.004	O					0.01
167.583	0.00	0.00	0.004	O					0.01
167.667	0.00	0.00	0.004	O					0.01
167.750	0.00	0.00	0.004	O					0.01
167.833	0.00	0.00	0.004	O					0.01
167.917	0.00	0.00	0.004	O					0.01

168.000	0.00	0.00	0.004	O	|	|	|	|	0.01
168.083	0.00	0.00	0.004	O	|	|	|	|	0.01
168.167	0.00	0.00	0.004	O	|	|	|	|	0.01
168.250	0.00	0.00	0.004	O	|	|	|	|	0.01
168.333	0.00	0.00	0.004	O	|	|	|	|	0.01
168.417	0.00	0.00	0.004	O	|	|	|	|	0.01
168.500	0.00	0.00	0.004	O	|	|	|	|	0.01
168.583	0.00	0.00	0.004	O	|	|	|	|	0.01
168.667	0.00	0.00	0.004	O	|	|	|	|	0.01
168.750	0.00	0.00	0.004	O	|	|	|	|	0.01
168.833	0.00	0.00	0.004	O	|	|	|	|	0.01
168.917	0.00	0.00	0.004	O	|	|	|	|	0.01
169.000	0.00	0.00	0.004	O	|	|	|	|	0.01
169.083	0.00	0.00	0.004	O	|	|	|	|	0.01
169.167	0.00	0.00	0.004	O	|	|	|	|	0.01
169.250	0.00	0.00	0.004	O	|	|	|	|	0.01
169.333	0.00	0.00	0.004	O	|	|	|	|	0.01
169.417	0.00	0.00	0.004	O	|	|	|	|	0.01
169.500	0.00	0.00	0.004	O	|	|	|	|	0.01
169.583	0.00	0.00	0.004	O	|	|	|	|	0.01
169.667	0.00	0.00	0.004	O	|	|	|	|	0.01
169.750	0.00	0.00	0.004	O	|	|	|	|	0.00
169.833	0.00	0.00	0.004	O	|	|	|	|	0.00
169.917	0.00	0.00	0.004	O	|	|	|	|	0.00
170.000	0.00	0.00	0.004	O	|	|	|	|	0.00
170.083	0.00	0.00	0.003	O	|	|	|	|	0.00
170.167	0.00	0.00	0.003	O	|	|	|	|	0.00
170.250	0.00	0.00	0.003	O	|	|	|	|	0.00
170.333	0.00	0.00	0.003	O	|	|	|	|	0.00
170.417	0.00	0.00	0.003	O	|	|	|	|	0.00
170.500	0.00	0.00	0.003	O	|	|	|	|	0.00
170.583	0.00	0.00	0.003	O	|	|	|	|	0.00
170.667	0.00	0.00	0.003	O	|	|	|	|	0.00
170.750	0.00	0.00	0.003	O	|	|	|	|	0.00
170.833	0.00	0.00	0.003	O	|	|	|	|	0.00
170.917	0.00	0.00	0.003	O	|	|	|	|	0.00
171.000	0.00	0.00	0.003	O	|	|	|	|	0.00
171.083	0.00	0.00	0.003	O	|	|	|	|	0.00
171.167	0.00	0.00	0.003	O	|	|	|	|	0.00
171.250	0.00	0.00	0.003	O	|	|	|	|	0.00
171.333	0.00	0.00	0.003	O	|	|	|	|	0.00
171.417	0.00	0.00	0.003	O	|	|	|	|	0.00
171.500	0.00	0.00	0.003	O	|	|	|	|	0.00
171.583	0.00	0.00	0.003	O	|	|	|	|	0.00
171.667	0.00	0.00	0.003	O	|	|	|	|	0.00
171.750	0.00	0.00	0.003	O	|	|	|	|	0.00
171.833	0.00	0.00	0.003	O	|	|	|	|	0.00
171.917	0.00	0.00	0.003	O	|	|	|	|	0.00
172.000	0.00	0.00	0.003	O	|	|	|	|	0.00
172.083	0.00	0.00	0.003	O	|	|	|	|	0.00
172.167	0.00	0.00	0.003	O	|	|	|	|	0.00
172.250	0.00	0.00	0.003	O	|	|	|	|	0.00
172.333	0.00	0.00	0.003	O	|	|	|	|	0.00
172.417	0.00	0.00	0.003	O	|	|	|	|	0.00
172.500	0.00	0.00	0.003	O	|	|	|	|	0.00
172.583	0.00	0.00	0.003	O	|	|	|	|	0.00
172.667	0.00	0.00	0.003	O	|	|	|	|	0.00
172.750	0.00	0.00	0.003	O	|	|	|	|	0.00
172.833	0.00	0.00	0.003	O	|	|	|	|	0.00
172.917	0.00	0.00	0.003	O	|	|	|	|	0.00
173.000	0.00	0.00	0.003	O	|	|	|	|	0.00
173.083	0.00	0.00	0.003	O	|	|	|	|	0.00
173.167	0.00	0.00	0.003	O	|	|	|	|	0.00
173.250	0.00	0.00	0.003	O	|	|	|	|	0.00
173.333	0.00	0.00	0.003	O	|	|	|	|	0.00
173.417	0.00	0.00	0.003	O	|	|	|	|	0.00
173.500	0.00	0.00	0.003	O	|	|	|	|	0.00

173.583	0.00	0.00	0.003	O					0.00
173.667	0.00	0.00	0.003	O					0.00
173.750	0.00	0.00	0.003	O					0.00
173.833	0.00	0.00	0.003	O					0.00
173.917	0.00	0.00	0.003	O					0.00
174.000	0.00	0.00	0.003	O					0.00
174.083	0.00	0.00	0.003	O					0.00
174.167	0.00	0.00	0.003	O					0.00
174.250	0.00	0.00	0.003	O					0.00
174.333	0.00	0.00	0.003	O					0.00
174.417	0.00	0.00	0.003	O					0.00
174.500	0.00	0.00	0.003	O					0.00
174.583	0.00	0.00	0.003	O					0.00
174.667	0.00	0.00	0.003	O					0.00
174.750	0.00	0.00	0.003	O					0.00
174.833	0.00	0.00	0.003	O					0.00
174.917	0.00	0.00	0.003	O					0.00
175.000	0.00	0.00	0.003	O					0.00
175.083	0.00	0.00	0.003	O					0.00
175.167	0.00	0.00	0.003	O					0.00
175.250	0.00	0.00	0.003	O					0.00
175.333	0.00	0.00	0.003	O					0.00
175.417	0.00	0.00	0.003	O					0.00
175.500	0.00	0.00	0.003	O					0.00
175.583	0.00	0.00	0.003	O					0.00
175.667	0.00	0.00	0.003	O					0.00
175.750	0.00	0.00	0.003	O					0.00
175.833	0.00	0.00	0.003	O					0.00
175.917	0.00	0.00	0.003	O					0.00
176.000	0.00	0.00	0.003	O					0.00
176.083	0.00	0.00	0.003	O					0.00
176.167	0.00	0.00	0.003	O					0.00
176.250	0.00	0.00	0.003	O					0.00
176.333	0.00	0.00	0.003	O					0.00
176.417	0.00	0.00	0.003	O					0.00
176.500	0.00	0.00	0.003	O					0.00
176.583	0.00	0.00	0.003	O					0.00
176.667	0.00	0.00	0.003	O					0.00
176.750	0.00	0.00	0.003	O					0.00
176.833	0.00	0.00	0.003	O					0.00
176.917	0.00	0.00	0.003	O					0.00
177.000	0.00	0.00	0.003	O					0.00
177.083	0.00	0.00	0.003	O					0.00
177.167	0.00	0.00	0.003	O					0.00
177.250	0.00	0.00	0.003	O					0.00
177.333	0.00	0.00	0.003	O					0.00
177.417	0.00	0.00	0.003	O					0.00
177.500	0.00	0.00	0.003	O					0.00
177.583	0.00	0.00	0.003	O					0.00
177.667	0.00	0.00	0.003	O					0.00
177.750	0.00	0.00	0.003	O					0.00
177.833	0.00	0.00	0.003	O					0.00
177.917	0.00	0.00	0.003	O					0.00
178.000	0.00	0.00	0.003	O					0.00
178.083	0.00	0.00	0.003	O					0.00
178.167	0.00	0.00	0.002	O					0.00
178.250	0.00	0.00	0.002	O					0.00
178.333	0.00	0.00	0.002	O					0.00
178.417	0.00	0.00	0.002	O					0.00
178.500	0.00	0.00	0.002	O					0.00
178.583	0.00	0.00	0.002	O					0.00
178.667	0.00	0.00	0.002	O					0.00
178.750	0.00	0.00	0.002	O					0.00
178.833	0.00	0.00	0.002	O					0.00
178.917	0.00	0.00	0.002	O					0.00
179.000	0.00	0.00	0.002	O					0.00
179.083	0.00	0.00	0.002	O					0.00

179.167	0.00	0.00	0.002	O	|	|	|	|	0.00
179.250	0.00	0.00	0.002	O	|	|	|	|	0.00
179.333	0.00	0.00	0.002	O	|	|	|	|	0.00
179.417	0.00	0.00	0.002	O	|	|	|	|	0.00
179.500	0.00	0.00	0.002	O	|	|	|	|	0.00
179.583	0.00	0.00	0.002	O	|	|	|	|	0.00
179.667	0.00	0.00	0.002	O	|	|	|	|	0.00
179.750	0.00	0.00	0.002	O	|	|	|	|	0.00
179.833	0.00	0.00	0.002	O	|	|	|	|	0.00
179.917	0.00	0.00	0.002	O	|	|	|	|	0.00
180.000	0.00	0.00	0.002	O	|	|	|	|	0.00
180.083	0.00	0.00	0.002	O	|	|	|	|	0.00
180.167	0.00	0.00	0.002	O	|	|	|	|	0.00
180.250	0.00	0.00	0.002	O	|	|	|	|	0.00
180.333	0.00	0.00	0.002	O	|	|	|	|	0.00
180.417	0.00	0.00	0.002	O	|	|	|	|	0.00
180.500	0.00	0.00	0.002	O	|	|	|	|	0.00
180.583	0.00	0.00	0.002	O	|	|	|	|	0.00
180.667	0.00	0.00	0.002	O	|	|	|	|	0.00
180.750	0.00	0.00	0.002	O	|	|	|	|	0.00
180.833	0.00	0.00	0.002	O	|	|	|	|	0.00
180.917	0.00	0.00	0.002	O	|	|	|	|	0.00
181.000	0.00	0.00	0.002	O	|	|	|	|	0.00
181.083	0.00	0.00	0.002	O	|	|	|	|	0.00
181.167	0.00	0.00	0.002	O	|	|	|	|	0.00
181.250	0.00	0.00	0.002	O	|	|	|	|	0.00
181.333	0.00	0.00	0.002	O	|	|	|	|	0.00
181.417	0.00	0.00	0.002	O	|	|	|	|	0.00
181.500	0.00	0.00	0.002	O	|	|	|	|	0.00
181.583	0.00	0.00	0.002	O	|	|	|	|	0.00
181.667	0.00	0.00	0.002	O	|	|	|	|	0.00
181.750	0.00	0.00	0.002	O	|	|	|	|	0.00
181.833	0.00	0.00	0.002	O	|	|	|	|	0.00
181.917	0.00	0.00	0.002	O	|	|	|	|	0.00
182.000	0.00	0.00	0.002	O	|	|	|	|	0.00
182.083	0.00	0.00	0.002	O	|	|	|	|	0.00
182.167	0.00	0.00	0.002	O	|	|	|	|	0.00
182.250	0.00	0.00	0.002	O	|	|	|	|	0.00
182.333	0.00	0.00	0.002	O	|	|	|	|	0.00
182.417	0.00	0.00	0.002	O	|	|	|	|	0.00
182.500	0.00	0.00	0.002	O	|	|	|	|	0.00
182.583	0.00	0.00	0.002	O	|	|	|	|	0.00
182.667	0.00	0.00	0.002	O	|	|	|	|	0.00
182.750	0.00	0.00	0.002	O	|	|	|	|	0.00
182.833	0.00	0.00	0.002	O	|	|	|	|	0.00
182.917	0.00	0.00	0.002	O	|	|	|	|	0.00
183.000	0.00	0.00	0.002	O	|	|	|	|	0.00
183.083	0.00	0.00	0.002	O	|	|	|	|	0.00
183.167	0.00	0.00	0.002	O	|	|	|	|	0.00
183.250	0.00	0.00	0.002	O	|	|	|	|	0.00
183.333	0.00	0.00	0.002	O	|	|	|	|	0.00
183.417	0.00	0.00	0.002	O	|	|	|	|	0.00
183.500	0.00	0.00	0.002	O	|	|	|	|	0.00
183.583	0.00	0.00	0.002	O	|	|	|	|	0.00
183.667	0.00	0.00	0.002	O	|	|	|	|	0.00
183.750	0.00	0.00	0.002	O	|	|	|	|	0.00
183.833	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 2206
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.862 (CFS)
Total volume = 2.690 (Ac.Ft)

```
       Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
       Peak (CFS)      0.000     0.000     0.000     0.000     0.000
       Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
 ************************************************************************

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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRI2410.rte
**********HYDROGRAPH DATA**********
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 8.930 (CFS)
Total volume = 5.317 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN I- ROUTING
10YR-24HR

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.710	0.360	0.709	0.711
2.000	1.520	0.620	1.518	1.522
3.000	2.440	0.800	2.437	2.443
4.000	3.480	1.790	3.474	3.486
5.000	4.630	26.090	4.540	4.720

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	2.2	4.46	6.70	8.93	Depth (Ft.)
0.083	0.28	0.00	0.001	OI	|	|	|	|	0.00
0.167	0.48	0.00	0.004	OI	|	|	|	|	0.01
0.250	0.51	0.00	0.007	OI	|	|	|	|	0.01
0.333	0.65	0.01	0.011	O I	|	|	|	|	0.02

0.417	0.75	0.01	0.016	O I	|	|	|	0.02
0.500	0.77	0.01	0.021	O I	|	|	|	0.03
0.583	0.77	0.01	0.026	O I	|	|	|	0.04
0.667	0.77	0.02	0.031	O I	|	|	|	0.04
0.750	0.77	0.02	0.037	O I	|	|	|	0.05
0.833	0.91	0.02	0.042	O I	|	|	|	0.06
0.917	1.01	0.02	0.049	O I	|	|	|	0.07
1.000	1.03	0.03	0.056	O I	|	|	|	0.08
1.083	0.89	0.03	0.062	O I	|	|	|	0.09
1.167	0.79	0.03	0.067	O I	|	|	|	0.09
1.250	0.77	0.04	0.073	O I	|	|	|	0.10
1.333	0.77	0.04	0.078	O I	|	|	|	0.11
1.417	0.77	0.04	0.083	O I	|	|	|	0.12
1.500	0.77	0.04	0.088	O I	|	|	|	0.12
1.583	0.77	0.05	0.093	O I	|	|	|	0.13
1.667	0.77	0.05	0.098	O I	|	|	|	0.14
1.750	0.77	0.05	0.103	O I	|	|	|	0.14
1.833	0.91	0.05	0.108	O I	|	|	|	0.15
1.917	1.01	0.06	0.114	O I	|	|	|	0.16
2.000	1.03	0.06	0.121	O I	|	|	|	0.17
2.083	1.03	0.06	0.128	O I	|	|	|	0.18
2.167	1.03	0.07	0.134	O I	|	|	|	0.19
2.250	1.03	0.07	0.141	O I	|	|	|	0.20
2.333	1.03	0.07	0.147	O I	|	|	|	0.21
2.417	1.03	0.08	0.154	O I	|	|	|	0.22
2.500	1.03	0.08	0.160	O I	|	|	|	0.23
2.583	1.17	0.08	0.167	O I	|	|	|	0.24
2.667	1.27	0.09	0.175	O I	|	|	|	0.25
2.750	1.29	0.09	0.183	O I	|	|	|	0.26
2.833	1.29	0.10	0.192	O I	|	|	|	0.27
2.917	1.29	0.10	0.200	O I	|	|	|	0.28
3.000	1.29	0.11	0.208	O I	|	|	|	0.29
3.083	1.29	0.11	0.216	O I	|	|	|	0.30
3.167	1.29	0.11	0.224	O I	|	|	|	0.32
3.250	1.29	0.12	0.232	O I	|	|	|	0.33
3.333	1.29	0.12	0.240	O I	|	|	|	0.34
3.417	1.29	0.13	0.248	O I	|	|	|	0.35
3.500	1.29	0.13	0.256	O I	|	|	|	0.36
3.583	1.29	0.13	0.264	O I	|	|	|	0.37
3.667	1.29	0.14	0.272	O I	|	|	|	0.38
3.750	1.29	0.14	0.280	O I	|	|	|	0.39
3.833	1.43	0.15	0.288	O I	|	|	|	0.41
3.917	1.52	0.15	0.297	O I	|	|	|	0.42
4.000	1.54	0.16	0.307	O I	|	|	|	0.43
4.083	1.54	0.16	0.316	O I	|	|	|	0.45
4.167	1.54	0.17	0.326	O I	|	|	|	0.46
4.250	1.54	0.17	0.335	O I	|	|	|	0.47
4.333	1.68	0.18	0.345	O I	|	|	|	0.49
4.417	1.78	0.18	0.356	O I	|	|	|	0.50
4.500	1.80	0.19	0.367	O I	|	|	|	0.52
4.583	1.80	0.19	0.378	O I	|	|	|	0.53
4.667	1.80	0.20	0.389	O I	|	|	|	0.55
4.750	1.80	0.20	0.400	O I	|	|	|	0.56
4.833	1.94	0.21	0.412	O I	|	|	|	0.58
4.917	2.04	0.21	0.424	O I	|	|	|	0.60
5.000	2.06	0.22	0.436	O I	|	|	|	0.61
5.083	1.78	0.23	0.448	O I	|	|	|	0.63
5.167	1.58	0.23	0.458	O I	|	|	|	0.65
5.250	1.54	0.24	0.467	O I	|	|	|	0.66
5.333	1.68	0.24	0.477	O I	|	|	|	0.67
5.417	1.78	0.25	0.487	O I	|	|	|	0.69
5.500	1.80	0.25	0.498	O I	|	|	|	0.70
5.583	1.94	0.26	0.509	O I	|	|	|	0.72
5.667	2.04	0.26	0.521	O I	|	|	|	0.73
5.750	2.06	0.27	0.533	O I	|	|	|	0.75
5.833	2.06	0.28	0.545	O I	|	|	|	0.77
5.917	2.06	0.28	0.557	|O I	|	|	|	0.78

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 6.000    2.06    0.29      0.570  |O     I|       |       |       |     0.80
 6.083    2.20    0.30      0.582  |O     I|       |       |       |     0.82
 6.167    2.29    0.30      0.596  |O      I       |       |       |     0.84
 6.250    2.31    0.31      0.609  |O      I       |       |       |     0.86
 6.333    2.31    0.32      0.623  |O      I       |       |       |     0.88
 6.417    2.31    0.32      0.637  |O      I       |       |       |     0.90
 6.500    2.31    0.33      0.651  |O      I       |       |       |     0.92
 6.583    2.45    0.34      0.665  |O      I       |       |       |     0.94
 6.667    2.55    0.34      0.680  |O      |I      |       |       |     0.96
 6.750    2.57    0.35      0.695  |O      |I      |       |       |     0.98
 6.833    2.57    0.36      0.710  |O      |I      |       |       |     1.00
 6.917    2.57    0.36      0.725  |O      |I      |       |       |     1.02
 7.000    2.57    0.37      0.740  |O      |I      |       |       |     1.04
 7.083    2.57    0.37      0.756  |O      |I      |       |       |     1.06
 7.167    2.57    0.38      0.771  |O      |I      |       |       |     1.07
 7.250    2.57    0.38      0.786  |O      |I      |       |       |     1.09
 7.333    2.71    0.39      0.801  |O      |I      |       |       |     1.11
 7.417    2.81    0.39      0.818  |O      | I     |       |       |     1.13
 7.500    2.83    0.40      0.834  |O      | I     |       |       |     1.15
 7.583    2.97    0.41      0.851  |O      | I     |       |       |     1.17
 7.667    3.07    0.41      0.869  |O      | I     |       |       |     1.20
 7.750    3.08    0.42      0.888  |O      |  I    |       |       |     1.22
 7.833    3.22    0.42      0.907  |O      |  I    |       |       |     1.24
 7.917    3.32    0.43      0.926  |O      |  I    |       |       |     1.27
 8.000    3.34    0.44      0.946  |O      |  I    |       |       |     1.29
 8.083    3.62    0.44      0.967  |O      |   I   |       |       |     1.32
 8.167    3.82    0.45      0.990  |O      |    I  |       |       |     1.35
 8.250    3.86    0.46      1.013  |O      |    I  |       |       |     1.37
 8.333    3.86    0.46      1.036  |O      |    I  |       |       |     1.40
 8.417    3.86    0.47      1.060  |O      |    I  |       |       |     1.43
 8.500    3.86    0.48      1.083  |O      |    I  |       |       |     1.46
 8.583    4.00    0.49      1.107  |O      |     I |       |       |     1.49
 8.667    4.09    0.50      1.131  |O      |     I |       |       |     1.52
 8.750    4.11    0.50      1.156  |O      |     I |       |       |     1.55
 8.833    4.25    0.51      1.181  |O      |      I|       |       |     1.58
 8.917    4.35    0.52      1.207  |O      |      I|       |       |     1.61
 9.000    4.37    0.53      1.234  |O      |      I|       |       |     1.65
 9.083    4.65    0.54      1.261  |O      |       I       |       |     1.68
 9.167    4.85    0.55      1.290  |O      |       |I      |       |     1.72
 9.250    4.88    0.56      1.320  |O      |       |I      |       |     1.75
 9.333    5.02    0.57      1.350  | O     |       | I     |       |     1.79
 9.417    5.12    0.58      1.381  | O     |       | I     |       |     1.83
 9.500    5.14    0.59      1.412  | O     |       | I     |       |     1.87
 9.583    5.28    0.60      1.444  | O     |       | I     |       |     1.91
 9.667    5.38    0.61      1.477  | O     |       |  I    |       |     1.95
 9.750    5.40    0.62      1.510  | O     |       |  I    |       |     1.99
 9.833    5.54    0.62      1.543  | O     |       |  I    |       |     2.03
 9.917    5.64    0.63      1.577  | O     |       |   I   |       |     2.06
10.000    5.65    0.64      1.612  | O     |       |   I   |       |     2.10
10.083    4.68    0.64      1.643  | O     |       I       |       |     2.13
10.167    3.99    0.65      1.668  | O     |     I |       |       |     2.16
10.250    3.86    0.65      1.691  | O     |    I  |       |       |     2.19
10.333    3.86    0.66      1.713  | O     |    I  |       |       |     2.21
10.417    3.86    0.66      1.735  | O     |    I  |       |       |     2.23
10.500    3.86    0.67      1.757  | O     |    I  |       |       |     2.26
10.583    4.56    0.67      1.781  | O     |       I       |       |     2.28
10.667    5.05    0.68      1.810  | O     |       | I     |       |     2.31
10.750    5.14    0.68      1.840  | O     |       | I     |       |     2.35
10.833    5.14    0.69      1.871  | O     |       | I     |       |     2.38
10.917    5.14    0.69      1.901  | O     |       | I     |       |     2.41
11.000    5.14    0.70      1.932  | O     |       | I     |       |     2.45
11.083    5.00    0.71      1.962  | O     |       |I      |       |     2.48
11.167    4.90    0.71      1.991  | O     |       |I      |       |     2.51
11.250    4.88    0.72      2.020  | O     |       |I      |       |     2.54
11.333    4.88    0.72      2.049  | O     |       |I      |       |     2.57
11.417    4.88    0.73      2.077  | O     |       |I      |       |     2.61
11.500    4.88    0.73      2.106  | O     |       |I      |       |     2.64
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11.583	4.60	0.74	2.133	O	I			2.67
11.667	4.41	0.75	2.159	O	I			2.69
11.750	4.37	0.75	2.184	O	I			2.72
11.833	4.51	0.75	2.210	O	I			2.75
11.917	4.61	0.76	2.236	O	I			2.78
12.000	4.63	0.77	2.263	O	I			2.81
12.083	5.61	0.77	2.293	O	I			2.84
12.167	6.30	0.78	2.328	O	I			2.88
12.250	6.43	0.79	2.367	O	I			2.92
12.333	6.57	0.79	2.406	O	I			2.96
12.417	6.66	0.81	2.446	O	I			3.01
12.500	6.68	0.84	2.486	O	I			3.04
12.583	6.96	0.88	2.527	O	I			3.08
12.667	7.16	0.92	2.570	O	I			3.12
12.750	7.20	0.96	2.613	O	I			3.17
12.833	7.34	1.01	2.656	O	I			3.21
12.917	7.44	1.05	2.700	O	I			3.25
13.000	7.45	1.09	2.744	O	I			3.29
13.083	8.21	1.13	2.790	O	I			3.34
13.167	8.76	1.18	2.840	O	I			3.39
13.250	8.88	1.23	2.893	O	I			3.44
13.333	8.89	1.28	2.945	O	I			3.49
13.417	8.91	1.33	2.998	O	I			3.54
13.500	8.93	1.38	3.050	O	I			3.59
13.583	7.29	1.42	3.096	O	I			3.63
13.667	6.13	1.46	3.132	O	I			3.67
13.750	5.91	1.49	3.164	O	I			3.70
13.833	5.91	1.52	3.194	O	I			3.72
13.917	5.91	1.55	3.224	O	I			3.75
14.000	5.91	1.57	3.254	O	I			3.78
14.083	6.47	1.61	3.286	O	I			3.81
14.167	6.87	1.64	3.321	O	I			3.85
14.250	6.94	1.67	3.357	O	I			3.88
14.333	6.80	1.71	3.392	O	I			3.92
14.417	6.70	1.74	3.427	O	I			3.95
14.500	6.68	1.77	3.461	O	I			3.98
14.583	6.68	2.08	3.494	O	I			4.01
14.667	6.68	2.70	3.523	O	I			4.04
14.750	6.68	3.24	3.549	O	I			4.06
14.833	6.54	3.70	3.570	O	I			4.08
14.917	6.44	4.08	3.588	O	I			4.09
15.000	6.43	4.40	3.604	O	I			4.11
15.083	6.29	4.67	3.616	O	I			4.12
15.167	6.19	4.88	3.626	O	I			4.13
15.250	6.17	5.05	3.635	O	I			4.13
15.333	6.03	5.20	3.641	O	I			4.14
15.417	5.93	5.30	3.646	O	I			4.14
15.500	5.91	5.39	3.650	O	I			4.15
15.583	**5.35**	**5.42**	**3.652**	**O**				**4.15**
15.667	4.96	5.38	3.650	O	I			4.15
15.750	4.88	5.32	3.647	O	I			4.15
15.833	4.88	5.26	3.644	O	I			4.14
15.917	4.88	5.21	3.642	O	I			4.14
16.000	4.88	5.17	3.640	O	I			4.14
16.083	2.78	4.99	3.631	O	I			4.13
16.167	1.31	4.59	3.612	O	I			4.12
16.250	1.03	4.12	3.590	O	I			4.10
16.333	1.03	3.70	3.571	O	I			4.08
16.417	1.03	3.34	3.553	O	I			4.06
16.500	1.03	3.03	3.539	O	I			4.05
16.583	0.89	2.75	3.525	O	I			4.04
16.667	0.79	2.49	3.513	O	I			4.03
16.750	0.77	2.26	3.502	O	I			4.02
16.833	0.77	2.05	3.493	O	I			4.01
16.917	0.77	1.88	3.484	O	I			4.00
17.000	0.77	1.79	3.477	O	I			4.00
17.083	1.05	1.78	3.471	O	I			3.99

17.167	1.25	1.78	3.467	I O				3.99
17.250	1.29	1.77	3.463	I O				3.98
17.333	1.29	1.77	3.460	I O				3.98
17.417	1.29	1.77	3.456	I O				3.98
17.500	1.29	1.76	3.453	I O				3.97
17.583	1.29	1.76	3.450	I O				3.97
17.667	1.29	1.76	3.447	I O				3.97
17.750	1.29	1.76	3.443	I O				3.96
17.833	1.15	1.75	3.440	I O				3.96
17.917	1.05	1.75	3.435	I O				3.96
18.000	1.03	1.74	3.430	I O				3.95
18.083	1.03	1.74	3.425	I O				3.95
18.167	1.03	1.73	3.420	I O				3.94
18.250	1.03	1.73	3.416	I O				3.94
18.333	1.03	1.72	3.411	I O				3.93
18.417	1.03	1.72	3.406	I O				3.93
18.500	1.03	1.72	3.401	I O				3.92
18.583	0.89	1.71	3.396	I O				3.92
18.667	0.79	1.70	3.390	I O				3.91
18.750	0.77	1.70	3.384	I O				3.91
18.833	0.63	1.69	3.377	I O				3.90
18.917	0.53	1.68	3.369	I O				3.89
19.000	0.51	1.68	3.361	I O				3.89
19.083	0.65	1.67	3.354	I O				3.88
19.167	0.75	1.66	3.347	I O				3.87
19.250	0.77	1.66	3.341	I O				3.87
19.333	0.91	1.65	3.335	I O				3.86
19.417	1.01	1.65	3.331	I O				3.86
19.500	1.03	1.64	3.326	I O				3.85
19.583	0.89	1.64	3.322	I O				3.85
19.667	0.79	1.63	3.316	I O				3.84
19.750	0.77	1.63	3.310	I O				3.84
19.833	0.63	1.62	3.304	I O				3.83
19.917	0.53	1.62	3.297	I O				3.82
20.000	0.51	1.61	3.289	I O				3.82
20.083	0.65	1.60	3.282	I O				3.81
20.167	0.75	1.60	3.276	I O				3.80
20.250	0.77	1.59	3.270	I O				3.80
20.333	0.77	1.59	3.265	I O				3.79
20.417	0.77	1.58	3.259	I O				3.79
20.500	0.77	1.57	3.254	I O				3.78
20.583	0.77	1.57	3.248	I O				3.78
20.667	0.77	1.56	3.243	I O				3.77
20.750	0.77	1.56	3.237	I O				3.77
20.833	0.63	1.55	3.231	I O				3.76
20.917	0.53	1.55	3.225	I O				3.75
21.000	0.51	1.54	3.218	I O				3.75
21.083	0.65	1.53	3.211	I O				3.74
21.167	0.75	1.53	3.205	I O				3.74
21.250	0.77	1.52	3.200	I O				3.73
21.333	0.63	1.52	3.194	I O				3.73
21.417	0.53	1.51	3.188	I O				3.72
21.500	0.51	1.51	3.181	I O				3.71
21.583	0.65	1.50	3.175	I O				3.71
21.667	0.75	1.49	3.169	I O				3.70
21.750	0.77	1.49	3.164	I O				3.70
21.833	0.63	1.48	3.159	I O				3.69
21.917	0.53	1.48	3.153	I O				3.69
22.000	0.51	1.47	3.146	I O				3.68
22.083	0.65	1.47	3.140	I O				3.67
22.167	0.75	1.46	3.135	I O				3.67
22.250	0.77	1.46	3.130	I O				3.66
22.333	0.63	1.45	3.125	I O				3.66
22.417	0.53	1.45	3.119	I O				3.65
22.500	0.51	1.44	3.113	I O				3.65
22.583	0.51	1.43	3.106	I O				3.64
22.667	0.51	1.43	3.100	I O				3.63

22.750	0.51	1.42	3.094	I O				3.63
22.833	0.51	1.42	3.087	I O				3.62
22.917	0.51	1.41	3.081	I O				3.62
23.000	0.51	1.40	3.075	I O				3.61
23.083	0.51	1.40	3.069	I O				3.60
23.167	0.51	1.39	3.063	I O				3.60
23.250	0.51	1.39	3.057	I O				3.59
23.333	0.51	1.38	3.051	I O				3.59
23.417	0.51	1.38	3.045	I O				3.58
23.500	0.51	1.37	3.039	I O				3.58
23.583	0.51	1.36	3.033	I O				3.57
23.667	0.51	1.36	3.027	I O				3.56
23.750	0.51	1.35	3.021	I O				3.56
23.833	0.51	1.35	3.016	I O				3.55
23.917	0.51	1.34	3.010	I O				3.55
24.000	0.51	1.34	3.004	I O				3.54
24.083	0.23	1.33	2.998	I O				3.54
24.167	0.04	1.32	2.989	I O				3.53
24.250	0.00	1.31	2.980	I O				3.52
24.333	0.00	1.31	2.971	I O				3.51
24.417	0.00	1.30	2.963	I O				3.50
24.500	0.00	1.29	2.954	I O				3.49
24.583	0.00	1.28	2.945	I O				3.49
24.667	0.00	1.27	2.936	I O				3.48
24.750	0.00	1.26	2.927	I O				3.47
24.833	0.00	1.26	2.919	I O				3.46
24.917	0.00	1.25	2.910	I O				3.45
25.000	0.00	1.24	2.901	I O				3.44
25.083	0.00	1.23	2.893	I O				3.44
25.167	0.00	1.22	2.884	I O				3.43
25.250	0.00	1.22	2.876	I O				3.42
25.333	0.00	1.21	2.868	I O				3.41
25.417	0.00	1.20	2.859	I O				3.40
25.500	0.00	1.19	2.851	I O				3.40
25.583	0.00	1.18	2.843	I O				3.39
25.667	0.00	1.18	2.835	I O				3.38
25.750	0.00	1.17	2.827	I O				3.37
25.833	0.00	1.16	2.819	I O				3.36
25.917	0.00	1.15	2.811	I O				3.36
26.000	0.00	1.15	2.803	I O				3.35
26.083	0.00	1.14	2.795	I O				3.34
26.167	0.00	1.13	2.787	I O				3.33
26.250	0.00	1.12	2.779	I O				3.33
26.333	0.00	1.12	2.772	I O				3.32
26.417	0.00	1.11	2.764	I O				3.31
26.500	0.00	1.10	2.756	I O				3.30
26.583	0.00	1.09	2.749	I O				3.30
26.667	0.00	1.09	2.741	I O				3.29
26.750	0.00	1.08	2.734	I O				3.28
26.833	0.00	1.07	2.727	I O				3.28
26.917	0.00	1.07	2.719	I O				3.27
27.000	0.00	1.06	2.712	I O				3.26
27.083	0.00	1.05	2.705	I O				3.25
27.167	0.00	1.04	2.697	I O				3.25
27.250	0.00	1.04	2.690	I O				3.24
27.333	0.00	1.03	2.683	I O				3.23
27.417	0.00	1.02	2.676	I O				3.23
27.500	0.00	1.02	2.669	I O				3.22
27.583	0.00	1.01	2.662	I O				3.21
27.667	0.00	1.00	2.655	I O				3.21
27.750	0.00	1.00	2.648	I O				3.20
27.833	0.00	0.99	2.641	I O				3.19
27.917	0.00	0.99	2.634	I O				3.19
28.000	0.00	0.98	2.628	I O				3.18
28.083	0.00	0.97	2.621	I O				3.17
28.167	0.00	0.97	2.614	I O				3.17
28.250	0.00	0.96	2.608	I O				3.16

28.333	0.00	0.95	2.601	I	O	|	|	|	3.15
28.417	0.00	0.95	2.595	I	O	|	|	|	3.15
28.500	0.00	0.94	2.588	I	O	|	|	|	3.14
28.583	0.00	0.93	2.582	I	O	|	|	|	3.14
28.667	0.00	0.93	2.575	I	O	|	|	|	3.13
28.750	0.00	0.92	2.569	I	O	|	|	|	3.12
28.833	0.00	0.92	2.562	I	O	|	|	|	3.12
28.917	0.00	0.91	2.556	I	O	|	|	|	3.11
29.000	0.00	0.90	2.550	I	O	|	|	|	3.11
29.083	0.00	0.90	2.544	I	O	|	|	|	3.10
29.167	0.00	0.89	2.538	I	O	|	|	|	3.09
29.250	0.00	0.89	2.531	I	O	|	|	|	3.09
29.333	0.00	0.88	2.525	I	O	|	|	|	3.08
29.417	0.00	0.88	2.519	I	O	|	|	|	3.08
29.500	0.00	0.87	2.513	I	O	|	|	|	3.07
29.583	0.00	0.86	2.507	I	O	|	|	|	3.06
29.667	0.00	0.86	2.501	I	O	|	|	|	3.06
29.750	0.00	0.85	2.495	I	O	|	|	|	3.05
29.833	0.00	0.85	2.490	I	O	|	|	|	3.05
29.917	0.00	0.84	2.484	I	O	|	|	|	3.04
30.000	0.00	0.84	2.478	I	O	|	|	|	3.04
30.083	0.00	0.83	2.472	I	O	|	|	|	3.03
30.167	0.00	0.83	2.467	I	O	|	|	|	3.03
30.250	0.00	0.82	2.461	I	O	|	|	|	3.02
30.333	0.00	0.81	2.455	I	O	|	|	|	3.01
30.417	0.00	0.81	2.450	I	O	|	|	|	3.01
30.500	0.00	0.80	2.444	I	O	|	|	|	3.00
30.583	0.00	0.80	2.439	I	O	|	|	|	3.00
30.667	0.00	0.80	2.433	I	O	|	|	|	2.99
30.750	0.00	0.80	2.428	I	O	|	|	|	2.99
30.833	0.00	0.80	2.422	I	O	|	|	|	2.98
30.917	0.00	0.80	2.417	I	O	|	|	|	2.97
31.000	0.00	0.79	2.411	I	O	|	|	|	2.97
31.083	0.00	0.79	2.406	I	O	|	|	|	2.96
31.167	0.00	0.79	2.400	I	O	|	|	|	2.96
31.250	0.00	0.79	2.395	I	O	|	|	|	2.95
31.333	0.00	0.79	2.389	I	O	|	|	|	2.94
31.417	0.00	0.79	2.384	I	O	|	|	|	2.94
31.500	0.00	0.79	2.378	I	O	|	|	|	2.93
31.583	0.00	0.79	2.373	I	O	|	|	|	2.93
31.667	0.00	0.79	2.368	I	O	|	|	|	2.92
31.750	0.00	0.78	2.362	I	O	|	|	|	2.92
31.833	0.00	0.78	2.357	I	O	|	|	|	2.91
31.917	0.00	0.78	2.351	I	O	|	|	|	2.90
32.000	0.00	0.78	2.346	I	O	|	|	|	2.90
32.083	0.00	0.78	2.341	I	O	|	|	|	2.89
32.167	0.00	0.78	2.335	I	O	|	|	|	2.89
32.250	0.00	0.78	2.330	I	O	|	|	|	2.88
32.333	0.00	0.78	2.325	I	O	|	|	|	2.87
32.417	0.00	0.78	2.319	I	O	|	|	|	2.87
32.500	0.00	0.78	2.314	I	O	|	|	|	2.86
32.583	0.00	0.77	2.309	I	O	|	|	|	2.86
32.667	0.00	0.77	2.303	I	O	|	|	|	2.85
32.750	0.00	0.77	2.298	I	O	|	|	|	2.85
32.833	0.00	0.77	2.293	I	O	|	|	|	2.84
32.917	0.00	0.77	2.287	I	O	|	|	|	2.83
33.000	0.00	0.77	2.282	I	O	|	|	|	2.83
33.083	0.00	0.77	2.277	I	O	|	|	|	2.82
33.167	0.00	0.77	2.271	I	O	|	|	|	2.82
33.250	0.00	0.77	2.266	I	O	|	|	|	2.81
33.333	0.00	0.76	2.261	I	O	|	|	|	2.81
33.417	0.00	0.76	2.256	I	O	|	|	|	2.80
33.500	0.00	0.76	2.250	I	O	|	|	|	2.79
33.583	0.00	0.76	2.245	I	O	|	|	|	2.79
33.667	0.00	0.76	2.240	I	O	|	|	|	2.78
33.750	0.00	0.76	2.235	I	O	|	|	|	2.78
33.833	0.00	0.76	2.229	I	O	|	|	|	2.77

33.917	0.00	0.76	2.224	I O	|	|	|	2.77
34.000	0.00	0.76	2.219	I O	|	|	|	2.76
34.083	0.00	0.76	2.214	I O	|	|	|	2.75
34.167	0.00	0.75	2.209	I O	|	|	|	2.75
34.250	0.00	0.75	2.203	I O	|	|	|	2.74
34.333	0.00	0.75	2.198	I O	|	|	|	2.74
34.417	0.00	0.75	2.193	I O	|	|	|	2.73
34.500	0.00	0.75	2.188	I O	|	|	|	2.73
34.583	0.00	0.75	2.183	I O	|	|	|	2.72
34.667	0.00	0.75	2.177	I O	|	|	|	2.71
34.750	0.00	0.75	2.172	I O	|	|	|	2.71
34.833	0.00	0.75	2.167	I O	|	|	|	2.70
34.917	0.00	0.75	2.162	I O	|	|	|	2.70
35.000	0.00	0.74	2.157	I O	|	|	|	2.69
35.083	0.00	0.74	2.152	I O	|	|	|	2.69
35.167	0.00	0.74	2.147	I O	|	|	|	2.68
35.250	0.00	0.74	2.142	I O	|	|	|	2.68
35.333	0.00	0.74	2.136	I O	|	|	|	2.67
35.417	0.00	0.74	2.131	I O	|	|	|	2.66
35.500	0.00	0.74	2.126	I O	|	|	|	2.66
35.583	0.00	0.74	2.121	I O	|	|	|	2.65
35.667	0.00	0.74	2.116	I O	|	|	|	2.65
35.750	0.00	0.74	2.111	I O	|	|	|	2.64
35.833	0.00	0.73	2.106	I O	|	|	|	2.64
35.917	0.00	0.73	2.101	I O	|	|	|	2.63
36.000	0.00	0.73	2.096	I O	|	|	|	2.63
36.083	0.00	0.73	2.091	I O	|	|	|	2.62
36.167	0.00	0.73	2.086	I O	|	|	|	2.61
36.250	0.00	0.73	2.081	I O	|	|	|	2.61
36.333	0.00	0.73	2.076	I O	|	|	|	2.60
36.417	0.00	0.73	2.071	I O	|	|	|	2.60
36.500	0.00	0.73	2.066	I O	|	|	|	2.59
36.583	0.00	0.73	2.061	I O	|	|	|	2.59
36.667	0.00	0.72	2.056	I O	|	|	|	2.58
36.750	0.00	0.72	2.051	I O	|	|	|	2.58
36.833	0.00	0.72	2.046	I O	|	|	|	2.57
36.917	0.00	0.72	2.041	I O	|	|	|	2.57
37.000	0.00	0.72	2.036	I O	|	|	|	2.56
37.083	0.00	0.72	2.031	I O	|	|	|	2.56
37.167	0.00	0.72	2.026	I O	|	|	|	2.55
37.250	0.00	0.72	2.021	I O	|	|	|	2.54
37.333	0.00	0.72	2.016	I O	|	|	|	2.54
37.417	0.00	0.72	2.011	I O	|	|	|	2.53
37.500	0.00	0.72	2.006	I O	|	|	|	2.53
37.583	0.00	0.71	2.001	I O	|	|	|	2.52
37.667	0.00	0.71	1.996	I O	|	|	|	2.52
37.750	0.00	0.71	1.991	I O	|	|	|	2.51
37.833	0.00	0.71	1.986	I O	|	|	|	2.51
37.917	0.00	0.71	1.982	I O	|	|	|	2.50
38.000	0.00	0.71	1.977	I O	|	|	|	2.50
38.083	0.00	0.71	1.972	I O	|	|	|	2.49
38.167	0.00	0.71	1.967	I O	|	|	|	2.49
38.250	0.00	0.71	1.962	I O	|	|	|	2.48
38.333	0.00	0.71	1.957	I O	|	|	|	2.48
38.417	0.00	0.70	1.952	I O	|	|	|	2.47
38.500	0.00	0.70	1.947	I O	|	|	|	2.46
38.583	0.00	0.70	1.943	I O	|	|	|	2.46
38.667	0.00	0.70	1.938	I O	|	|	|	2.45
38.750	0.00	0.70	1.933	I O	|	|	|	2.45
38.833	0.00	0.70	1.928	I O	|	|	|	2.44
38.917	0.00	0.70	1.923	I O	|	|	|	2.44
39.000	0.00	0.70	1.919	I O	|	|	|	2.43
39.083	0.00	0.70	1.914	I O	|	|	|	2.43
39.167	0.00	0.70	1.909	I O	|	|	|	2.42
39.250	0.00	0.70	1.904	I O	|	|	|	2.42
39.333	0.00	0.69	1.899	I O	|	|	|	2.41
39.417	0.00	0.69	1.895	I O	|	|	|	2.41

39.500	0.00	0.69	1.890	I O	|	|	|	2.40
39.583	0.00	0.69	1.885	I O	|	|	|	2.40
39.667	0.00	0.69	1.880	I O	|	|	|	2.39
39.750	0.00	0.69	1.876	I O	|	|	|	2.39
39.833	0.00	0.69	1.871	I O	|	|	|	2.38
39.917	0.00	0.69	1.866	I O	|	|	|	2.38
40.000	0.00	0.69	1.861	I O	|	|	|	2.37
40.083	0.00	0.69	1.857	I O	|	|	|	2.37
40.167	0.00	0.68	1.852	I O	|	|	|	2.36
40.250	0.00	0.68	1.847	I O	|	|	|	2.36
40.333	0.00	0.68	1.842	I O	|	|	|	2.35
40.417	0.00	0.68	1.838	I O	|	|	|	2.35
40.500	0.00	0.68	1.833	I O	|	|	|	2.34
40.583	0.00	0.68	1.828	I O	|	|	|	2.34
40.667	0.00	0.68	1.824	I O	|	|	|	2.33
40.750	0.00	0.68	1.819	I O	|	|	|	2.32
40.833	0.00	0.68	1.814	I O	|	|	|	2.32
40.917	0.00	0.68	1.810	I O	|	|	|	2.31
41.000	0.00	0.68	1.805	I O	|	|	|	2.31
41.083	0.00	0.67	1.800	I O	|	|	|	2.30
41.167	0.00	0.67	1.796	I O	|	|	|	2.30
41.250	0.00	0.67	1.791	I O	|	|	|	2.29
41.333	0.00	0.67	1.786	I O	|	|	|	2.29
41.417	0.00	0.67	1.782	I O	|	|	|	2.28
41.500	0.00	0.67	1.777	I O	|	|	|	2.28
41.583	0.00	0.67	1.773	I O	|	|	|	2.27
41.667	0.00	0.67	1.768	I O	|	|	|	2.27
41.750	0.00	0.67	1.763	I O	|	|	|	2.26
41.833	0.00	0.67	1.759	I O	|	|	|	2.26
41.917	0.00	0.67	1.754	I O	|	|	|	2.25
42.000	0.00	0.66	1.750	I O	|	|	|	2.25
42.083	0.00	0.66	1.745	I O	|	|	|	2.24
42.167	0.00	0.66	1.740	I O	|	|	|	2.24
42.250	0.00	0.66	1.736	I O	|	|	|	2.23
42.333	0.00	0.66	1.731	I O	|	|	|	2.23
42.417	0.00	0.66	1.727	I O	|	|	|	2.22
42.500	0.00	0.66	1.722	I O	|	|	|	2.22
42.583	0.00	0.66	1.718	I O	|	|	|	2.21
42.667	0.00	0.66	1.713	I O	|	|	|	2.21
42.750	0.00	0.66	1.709	I O	|	|	|	2.21
42.833	0.00	0.66	1.704	I O	|	|	|	2.20
42.917	0.00	0.66	1.700	I O	|	|	|	2.20
43.000	0.00	0.65	1.695	I O	|	|	|	2.19
43.083	0.00	0.65	1.691	I O	|	|	|	2.19
43.167	0.00	0.65	1.686	I O	|	|	|	2.18
43.250	0.00	0.65	1.682	I O	|	|	|	2.18
43.333	0.00	0.65	1.677	I O	|	|	|	2.17
43.417	0.00	0.65	1.673	I O	|	|	|	2.17
43.500	0.00	0.65	1.668	I O	|	|	|	2.16
43.583	0.00	0.65	1.664	I O	|	|	|	2.16
43.667	0.00	0.65	1.659	I O	|	|	|	2.15
43.750	0.00	0.65	1.655	I O	|	|	|	2.15
43.833	0.00	0.65	1.650	I O	|	|	|	2.14
43.917	0.00	0.64	1.646	I O	|	|	|	2.14
44.000	0.00	0.64	1.641	I O	|	|	|	2.13
44.083	0.00	0.64	1.637	I O	|	|	|	2.13
44.167	0.00	0.64	1.633	I O	|	|	|	2.12
44.250	0.00	0.64	1.628	I O	|	|	|	2.12
44.333	0.00	0.64	1.624	I O	|	|	|	2.11
44.417	0.00	0.64	1.619	I O	|	|	|	2.11
44.500	0.00	0.64	1.615	I O	|	|	|	2.10
44.583	0.00	0.64	1.611	I O	|	|	|	2.10
44.667	0.00	0.64	1.606	I O	|	|	|	2.09
44.750	0.00	0.64	1.602	I O	|	|	|	2.09
44.833	0.00	0.64	1.597	I O	|	|	|	2.08
44.917	0.00	0.63	1.593	I O	|	|	|	2.08
45.000	0.00	0.63	1.589	I O	|	|	|	2.07

45.083	0.00	0.63	1.584	I O	|	|	|	2.07
45.167	0.00	0.63	1.580	I O	|	|	|	2.07
45.250	0.00	0.63	1.576	I O	|	|	|	2.06
45.333	0.00	0.63	1.571	I O	|	|	|	2.06
45.417	0.00	0.63	1.567	I O	|	|	|	2.05
45.500	0.00	0.63	1.563	I O	|	|	|	2.05
45.583	0.00	0.63	1.558	I O	|	|	|	2.04
45.667	0.00	0.63	1.554	I O	|	|	|	2.04
45.750	0.00	0.63	1.550	I O	|	|	|	2.03
45.833	0.00	0.62	1.545	I O	|	|	|	2.03
45.917	0.00	0.62	1.541	I O	|	|	|	2.02
46.000	0.00	0.62	1.537	I O	|	|	|	2.02
46.083	0.00	0.62	1.532	I O	|	|	|	2.01
46.167	0.00	0.62	1.528	I O	|	|	|	2.01
46.250	0.00	0.62	1.524	I O	|	|	|	2.00
46.333	0.00	0.62	1.520	I O	|	|	|	2.00
46.417	0.00	0.62	1.515	I O	|	|	|	1.99
46.500	0.00	0.62	1.511	I O	|	|	|	1.99
46.583	0.00	0.62	1.507	I O	|	|	|	1.98
46.667	0.00	0.61	1.503	I O	|	|	|	1.98
46.750	0.00	0.61	1.498	I O	|	|	|	1.97
46.833	0.00	0.61	1.494	I O	|	|	|	1.97
46.917	0.00	0.61	1.490	I O	|	|	|	1.96
47.000	0.00	0.61	1.486	I O	|	|	|	1.96
47.083	0.00	0.61	1.482	I O	|	|	|	1.95
47.167	0.00	0.61	1.477	I O	|	|	|	1.95
47.250	0.00	0.60	1.473	I O	|	|	|	1.94
47.333	0.00	0.60	1.469	I O	|	|	|	1.94
47.417	0.00	0.60	1.465	I O	|	|	|	1.93
47.500	0.00	0.60	1.461	I O	|	|	|	1.93
47.583	0.00	0.60	1.457	I O	|	|	|	1.92
47.667	0.00	0.60	1.453	I O	|	|	|	1.92
47.750	0.00	0.60	1.448	I O	|	|	|	1.91
47.833	0.00	0.60	1.444	I O	|	|	|	1.91
47.917	0.00	0.59	1.440	I O	|	|	|	1.90
48.000	0.00	0.59	1.436	I O	|	|	|	1.90
48.083	0.00	0.59	1.432	I O	|	|	|	1.89
48.167	0.00	0.59	1.428	I O	|	|	|	1.89
48.250	0.00	0.59	1.424	I O	|	|	|	1.88
48.333	0.00	0.59	1.420	I O	|	|	|	1.88
48.417	0.00	0.59	1.416	I O	|	|	|	1.87
48.500	0.00	0.59	1.412	I O	|	|	|	1.87
48.583	0.00	0.58	1.408	I O	|	|	|	1.86
48.667	0.00	0.58	1.404	I O	|	|	|	1.86
48.750	0.00	0.58	1.400	I O	|	|	|	1.85
48.833	0.00	0.58	1.396	I O	|	|	|	1.85
48.917	0.00	0.58	1.392	I O	|	|	|	1.84
49.000	0.00	0.58	1.388	I O	|	|	|	1.84
49.083	0.00	0.58	1.384	I O	|	|	|	1.83
49.167	0.00	0.57	1.380	I O	|	|	|	1.83
49.250	0.00	0.57	1.376	I O	|	|	|	1.82
49.333	0.00	0.57	1.372	I O	|	|	|	1.82
49.417	0.00	0.57	1.368	I O	|	|	|	1.81
49.500	0.00	0.57	1.364	I O	|	|	|	1.81
49.583	0.00	0.57	1.360	I O	|	|	|	1.80
49.667	0.00	0.57	1.356	I O	|	|	|	1.80
49.750	0.00	0.57	1.352	I O	|	|	|	1.79
49.833	0.00	0.56	1.348	I O	|	|	|	1.79
49.917	0.00	0.56	1.345	I O	|	|	|	1.78
50.000	0.00	0.56	1.341	I O	|	|	|	1.78
50.083	0.00	0.56	1.337	I O	|	|	|	1.77
50.167	0.00	0.56	1.333	I O	|	|	|	1.77
50.250	0.00	0.56	1.329	I O	|	|	|	1.76
50.333	0.00	0.56	1.325	IO	|	|	|	1.76
50.417	0.00	0.56	1.321	IO	|	|	|	1.75
50.500	0.00	0.56	1.318	IO	|	|	|	1.75
50.583	0.00	0.55	1.314	IO	|	|	|	1.75

50.667	0.00	0.55	1.310	IO					1.74
50.750	0.00	0.55	1.306	IO					1.74
50.833	0.00	0.55	1.302	IO					1.73
50.917	0.00	0.55	1.299	IO					1.73
51.000	0.00	0.55	1.295	IO					1.72
51.083	0.00	0.55	1.291	IO					1.72
51.167	0.00	0.55	1.287	IO					1.71
51.250	0.00	0.54	1.283	IO					1.71
51.333	0.00	0.54	1.280	IO					1.70
51.417	0.00	0.54	1.276	IO					1.70
51.500	0.00	0.54	1.272	IO					1.69
51.583	0.00	0.54	1.269	IO					1.69
51.667	0.00	0.54	1.265	IO					1.68
51.750	0.00	0.54	1.261	IO					1.68
51.833	0.00	0.54	1.257	IO					1.68
51.917	0.00	0.53	1.254	IO					1.67
52.000	0.00	0.53	1.250	IO					1.67
52.083	0.00	0.53	1.246	IO					1.66
52.167	0.00	0.53	1.243	IO					1.66
52.250	0.00	0.53	1.239	IO					1.65
52.333	0.00	0.53	1.235	IO					1.65
52.417	0.00	0.53	1.232	IO					1.64
52.500	0.00	0.53	1.228	IO					1.64
52.583	0.00	0.53	1.225	IO					1.64
52.667	0.00	0.52	1.221	IO					1.63
52.750	0.00	0.52	1.217	IO					1.63
52.833	0.00	0.52	1.214	IO					1.62
52.917	0.00	0.52	1.210	IO					1.62
53.000	0.00	0.52	1.207	IO					1.61
53.083	0.00	0.52	1.203	IO					1.61
53.167	0.00	0.52	1.199	IO					1.60
53.250	0.00	0.52	1.196	IO					1.60
53.333	0.00	0.51	1.192	IO					1.60
53.417	0.00	0.51	1.189	IO					1.59
53.500	0.00	0.51	1.185	IO					1.59
53.583	0.00	0.51	1.182	IO					1.58
53.667	0.00	0.51	1.178	IO					1.58
53.750	0.00	0.51	1.175	IO					1.57
53.833	0.00	0.51	1.171	IO					1.57
53.917	0.00	0.51	1.168	IO					1.57
54.000	0.00	0.51	1.164	IO					1.56
54.083	0.00	0.50	1.161	IO					1.56
54.167	0.00	0.50	1.157	IO					1.55
54.250	0.00	0.50	1.154	IO					1.55
54.333	0.00	0.50	1.150	IO					1.54
54.417	0.00	0.50	1.147	IO					1.54
54.500	0.00	0.50	1.143	IO					1.54
54.583	0.00	0.50	1.140	IO					1.53
54.667	0.00	0.50	1.137	IO					1.53
54.750	0.00	0.50	1.133	IO					1.52
54.833	0.00	0.49	1.130	IO					1.52
54.917	0.00	0.49	1.126	IO					1.51
55.000	0.00	0.49	1.123	IO					1.51
55.083	0.00	0.49	1.120	IO					1.51
55.167	0.00	0.49	1.116	IO					1.50
55.250	0.00	0.49	1.113	IO					1.50
55.333	0.00	0.49	1.109	IO					1.49
55.417	0.00	0.49	1.106	IO					1.49
55.500	0.00	0.49	1.103	IO					1.48
55.583	0.00	0.48	1.099	IO					1.48
55.667	0.00	0.48	1.096	IO					1.48
55.750	0.00	0.48	1.093	IO					1.47
55.833	0.00	0.48	1.089	IO					1.47
55.917	0.00	0.48	1.086	IO					1.46
56.000	0.00	0.48	1.083	IO					1.46
56.083	0.00	0.48	1.080	IO					1.46
56.167	0.00	0.48	1.076	IO					1.45

56.250	0.00	0.48	1.073	IO	|	|	|	1.45
56.333	0.00	0.48	1.070	IO	|	|	|	1.44
56.417	0.00	0.47	1.066	IO	|	|	|	1.44
56.500	0.00	0.47	1.063	IO	|	|	|	1.44
56.583	0.00	0.47	1.060	IO	|	|	|	1.43
56.667	0.00	0.47	1.057	IO	|	|	|	1.43
56.750	0.00	0.47	1.053	IO	|	|	|	1.42
56.833	0.00	0.47	1.050	IO	|	|	|	1.42
56.917	0.00	0.47	1.047	IO	|	|	|	1.42
57.000	0.00	0.47	1.044	IO	|	|	|	1.41
57.083	0.00	0.47	1.040	IO	|	|	|	1.41
57.167	0.00	0.47	1.037	IO	|	|	|	1.40
57.250	0.00	0.46	1.034	IO	|	|	|	1.40
57.333	0.00	0.46	1.031	IO	|	|	|	1.40
57.417	0.00	0.46	1.028	IO	|	|	|	1.39
57.500	0.00	0.46	1.025	IO	|	|	|	1.39
57.583	0.00	0.46	1.021	IO	|	|	|	1.38
57.667	0.00	0.46	1.018	IO	|	|	|	1.38
57.750	0.00	0.46	1.015	IO	|	|	|	1.38
57.833	0.00	0.46	1.012	IO	|	|	|	1.37
57.917	0.00	0.46	1.009	IO	|	|	|	1.37
58.000	0.00	0.45	1.006	IO	|	|	|	1.36
58.083	0.00	0.45	1.002	IO	|	|	|	1.36
58.167	0.00	0.45	0.999	IO	|	|	|	1.36
58.250	0.00	0.45	0.996	IO	|	|	|	1.35
58.333	0.00	0.45	0.993	IO	|	|	|	1.35
58.417	0.00	0.45	0.990	IO	|	|	|	1.35
58.500	0.00	0.45	0.987	IO	|	|	|	1.34
58.583	0.00	0.45	0.984	IO	|	|	|	1.34
58.667	0.00	0.45	0.981	IO	|	|	|	1.33
58.750	0.00	0.45	0.978	IO	|	|	|	1.33
58.833	0.00	0.44	0.975	IO	|	|	|	1.33
58.917	0.00	0.44	0.972	IO	|	|	|	1.32
59.000	0.00	0.44	0.968	IO	|	|	|	1.32
59.083	0.00	0.44	0.965	IO	|	|	|	1.32
59.167	0.00	0.44	0.962	IO	|	|	|	1.31
59.250	0.00	0.44	0.959	IO	|	|	|	1.31
59.333	0.00	0.44	0.956	IO	|	|	|	1.30
59.417	0.00	0.44	0.953	IO	|	|	|	1.30
59.500	0.00	0.44	0.950	IO	|	|	|	1.30
59.583	0.00	0.44	0.947	IO	|	|	|	1.29
59.667	0.00	0.44	0.944	IO	|	|	|	1.29
59.750	0.00	0.43	0.941	IO	|	|	|	1.29
59.833	0.00	0.43	0.938	IO	|	|	|	1.28
59.917	0.00	0.43	0.935	IO	|	|	|	1.28
60.000	0.00	0.43	0.932	IO	|	|	|	1.27
60.083	0.00	0.43	0.929	IO	|	|	|	1.27
60.167	0.00	0.43	0.926	IO	|	|	|	1.27
60.250	0.00	0.43	0.923	IO	|	|	|	1.26
60.333	0.00	0.43	0.921	IO	|	|	|	1.26
60.417	0.00	0.43	0.918	IO	|	|	|	1.26
60.500	0.00	0.43	0.915	IO	|	|	|	1.25
60.583	0.00	0.42	0.912	IO	|	|	|	1.25
60.667	0.00	0.42	0.909	IO	|	|	|	1.25
60.750	0.00	0.42	0.906	IO	|	|	|	1.24
60.833	0.00	0.42	0.903	IO	|	|	|	1.24
60.917	0.00	0.42	0.900	IO	|	|	|	1.23
61.000	0.00	0.42	0.897	IO	|	|	|	1.23
61.083	0.00	0.42	0.894	IO	|	|	|	1.23
61.167	0.00	0.42	0.891	IO	|	|	|	1.22
61.250	0.00	0.42	0.889	IO	|	|	|	1.22
61.333	0.00	0.42	0.886	IO	|	|	|	1.22
61.417	0.00	0.42	0.883	IO	|	|	|	1.21
61.500	0.00	0.41	0.880	IO	|	|	|	1.21
61.583	0.00	0.41	0.877	IO	|	|	|	1.21
61.667	0.00	0.41	0.874	IO	|	|	|	1.20
61.750	0.00	0.41	0.871	IO	|	|	|	1.20

61.833	0.00	0.41	0.869	IO				1.20
61.917	0.00	0.41	0.866	IO				1.19
62.000	0.00	0.41	0.863	IO				1.19
62.083	0.00	0.41	0.860	IO				1.19
62.167	0.00	0.41	0.857	IO				1.18
62.250	0.00	0.41	0.854	IO				1.18
62.333	0.00	0.41	0.852	IO				1.17
62.417	0.00	0.40	0.849	IO				1.17
62.500	0.00	0.40	0.846	IO				1.17
62.583	0.00	0.40	0.843	IO				1.16
62.667	0.00	0.40	0.841	IO				1.16
62.750	0.00	0.40	0.838	IO				1.16
62.833	0.00	0.40	0.835	IO				1.15
62.917	0.00	0.40	0.832	IO				1.15
63.000	0.00	0.40	0.830	IO				1.15
63.083	0.00	0.40	0.827	IO				1.14
63.167	0.00	0.40	0.824	IO				1.14
63.250	0.00	0.40	0.821	IO				1.14
63.333	0.00	0.39	0.819	IO				1.13
63.417	0.00	0.39	0.816	IO				1.13
63.500	0.00	0.39	0.813	IO				1.13
63.583	0.00	0.39	0.810	IO				1.12
63.667	0.00	0.39	0.808	IO				1.12
63.750	0.00	0.39	0.805	IO				1.12
63.833	0.00	0.39	0.802	IO				1.11
63.917	0.00	0.39	0.800	IO				1.11
64.000	0.00	0.39	0.797	IO				1.11
64.083	0.00	0.39	0.794	IO				1.10
64.167	0.00	0.39	0.792	IO				1.10
64.250	0.00	0.39	0.789	IO				1.10
64.333	0.00	0.38	0.786	IO				1.09
64.417	0.00	0.38	0.784	IO				1.09
64.500	0.00	0.38	0.781	IO				1.09
64.583	0.00	0.38	0.779	IO				1.08
64.667	0.00	0.38	0.776	IO				1.08
64.750	0.00	0.38	0.773	IO				1.08
64.833	0.00	0.38	0.771	IO				1.07
64.917	0.00	0.38	0.768	IO				1.07
65.000	0.00	0.38	0.765	IO				1.07
65.083	0.00	0.38	0.763	IO				1.07
65.167	0.00	0.38	0.760	IO				1.06
65.250	0.00	0.38	0.758	IO				1.06
65.333	0.00	0.37	0.755	IO				1.06
65.417	0.00	0.37	0.752	IO				1.05
65.500	0.00	0.37	0.750	IO				1.05
65.583	0.00	0.37	0.747	IO				1.05
65.667	0.00	0.37	0.745	IO				1.04
65.750	0.00	0.37	0.742	IO				1.04
65.833	0.00	0.37	0.740	IO				1.04
65.917	0.00	0.37	0.737	IO				1.03
66.000	0.00	0.37	0.735	IO				1.03
66.083	0.00	0.37	0.732	IO				1.03
66.167	0.00	0.37	0.730	IO				1.02
66.250	0.00	0.37	0.727	IO				1.02
66.333	0.00	0.36	0.725	IO				1.02
66.417	0.00	0.36	0.722	IO				1.01
66.500	0.00	0.36	0.720	IO				1.01
66.583	0.00	0.36	0.717	IO				1.01
66.667	0.00	0.36	0.715	IO				1.01
66.750	0.00	0.36	0.712	IO				1.00
66.833	0.00	0.36	0.710	IO				1.00
66.917	0.00	0.36	0.707	IO				1.00
67.000	0.00	0.36	0.705	IO				0.99
67.083	0.00	0.36	0.702	IO				0.99
67.167	0.00	0.35	0.700	IO				0.99
67.250	0.00	0.35	0.697	IO				0.98
67.333	0.00	0.35	0.695	IO				0.98

67.417	0.00	0.35	0.692	IO				0.98
67.500	0.00	0.35	0.690	IO				0.97
67.583	0.00	0.35	0.688	IO				0.97
67.667	0.00	0.35	0.685	IO				0.97
67.750	0.00	0.35	0.683	IO				0.96
67.833	0.00	0.35	0.680	IO				0.96
67.917	0.00	0.34	0.678	IO				0.96
68.000	0.00	0.34	0.676	IO				0.95
68.083	0.00	0.34	0.673	IO				0.95
68.167	0.00	0.34	0.671	IO				0.95
68.250	0.00	0.34	0.669	IO				0.94
68.333	0.00	0.34	0.666	IO				0.94
68.417	0.00	0.34	0.664	IO				0.94
68.500	0.00	0.34	0.662	IO				0.93
68.583	0.00	0.33	0.659	IO				0.93
68.667	0.00	0.33	0.657	IO				0.93
68.750	0.00	0.33	0.655	IO				0.92
68.833	0.00	0.33	0.653	IO				0.92
68.917	0.00	0.33	0.650	IO				0.92
69.000	0.00	0.33	0.648	IO				0.91
69.083	0.00	0.33	0.646	IO				0.91
69.167	0.00	0.33	0.643	IO				0.91
69.250	0.00	0.33	0.641	IO				0.90
69.333	0.00	0.32	0.639	IO				0.90
69.417	0.00	0.32	0.637	IO				0.90
69.500	0.00	0.32	0.635	IO				0.89
69.583	0.00	0.32	0.632	IO				0.89
69.667	0.00	0.32	0.630	IO				0.89
69.750	0.00	0.32	0.628	IO				0.88
69.833	0.00	0.32	0.626	IO				0.88
69.917	0.00	0.32	0.624	IO				0.88
70.000	0.00	0.32	0.621	IO				0.88
70.083	0.00	0.31	0.619	IO				0.87
70.167	0.00	0.31	0.617	IO				0.87
70.250	0.00	0.31	0.615	IO				0.87
70.333	0.00	0.31	0.613	IO				0.86
70.417	0.00	0.31	0.611	IO				0.86
70.500	0.00	0.31	0.608	IO				0.86
70.583	0.00	0.31	0.606	IO				0.85
70.667	0.00	0.31	0.604	IO				0.85
70.750	0.00	0.31	0.602	IO				0.85
70.833	0.00	0.30	0.600	IO				0.85
70.917	0.00	0.30	0.598	IO				0.84
71.000	0.00	0.30	0.596	IO				0.84
71.083	0.00	0.30	0.594	IO				0.84
71.167	0.00	0.30	0.592	IO				0.83
71.250	0.00	0.30	0.590	IO				0.83
71.333	0.00	0.30	0.588	IO				0.83
71.417	0.00	0.30	0.586	IO				0.82
71.500	0.00	0.30	0.584	IO				0.82
71.583	0.00	0.29	0.581	IO				0.82
71.667	0.00	0.29	0.579	IO				0.82
71.750	0.00	0.29	0.577	IO				0.81
71.833	0.00	0.29	0.575	IO				0.81
71.917	0.00	0.29	0.573	IO				0.81
72.000	0.00	0.29	0.571	IO				0.80
72.083	0.00	0.29	0.569	IO				0.80
72.167	0.00	0.29	0.567	IO				0.80
72.250	0.00	0.29	0.565	IO				0.80
72.333	0.00	0.29	0.563	IO				0.79
72.417	0.00	0.28	0.562	IO				0.79
72.500	0.00	0.28	0.560	IO				0.79
72.583	0.00	0.28	0.558	IO				0.79
72.667	0.00	0.28	0.556	IO				0.78
72.750	0.00	0.28	0.554	IO				0.78
72.833	0.00	0.28	0.552	IO				0.78
72.917	0.00	0.28	0.550	O				0.77

73.000	0.00	0.28	0.548	O	|	|	|	|	0.77
73.083	0.00	0.28	0.546	O	|	|	|	|	0.77
73.167	0.00	0.28	0.544	O	|	|	|	|	0.77
73.250	0.00	0.27	0.542	O	|	|	|	|	0.76
73.333	0.00	0.27	0.540	O	|	|	|	|	0.76
73.417	0.00	0.27	0.538	O	|	|	|	|	0.76
73.500	0.00	0.27	0.537	O	|	|	|	|	0.76
73.583	0.00	0.27	0.535	O	|	|	|	|	0.75
73.667	0.00	0.27	0.533	O	|	|	|	|	0.75
73.750	0.00	0.27	0.531	O	|	|	|	|	0.75
73.833	0.00	0.27	0.529	O	|	|	|	|	0.75
73.917	0.00	0.27	0.527	O	|	|	|	|	0.74
74.000	0.00	0.27	0.525	O	|	|	|	|	0.74
74.083	0.00	0.27	0.524	O	|	|	|	|	0.74
74.167	0.00	0.26	0.522	O	|	|	|	|	0.73
74.250	0.00	0.26	0.520	O	|	|	|	|	0.73
74.333	0.00	0.26	0.518	O	|	|	|	|	0.73
74.417	0.00	0.26	0.516	O	|	|	|	|	0.73
74.500	0.00	0.26	0.515	O	|	|	|	|	0.72
74.583	0.00	0.26	0.513	O	|	|	|	|	0.72
74.667	0.00	0.26	0.511	O	|	|	|	|	0.72
74.750	0.00	0.26	0.509	O	|	|	|	|	0.72
74.833	0.00	0.26	0.507	O	|	|	|	|	0.71
74.917	0.00	0.26	0.506	O	|	|	|	|	0.71
75.000	0.00	0.26	0.504	O	|	|	|	|	0.71
75.083	0.00	0.25	0.502	O	|	|	|	|	0.71
75.167	0.00	0.25	0.500	O	|	|	|	|	0.70
75.250	0.00	0.25	0.499	O	|	|	|	|	0.70
75.333	0.00	0.25	0.497	O	|	|	|	|	0.70
75.417	0.00	0.25	0.495	O	|	|	|	|	0.70
75.500	0.00	0.25	0.493	O	|	|	|	|	0.70
75.583	0.00	0.25	0.492	O	|	|	|	|	0.69
75.667	0.00	0.25	0.490	O	|	|	|	|	0.69
75.750	0.00	0.25	0.488	O	|	|	|	|	0.69
75.833	0.00	0.25	0.487	O	|	|	|	|	0.69
75.917	0.00	0.25	0.485	O	|	|	|	|	0.68
76.000	0.00	0.25	0.483	O	|	|	|	|	0.68
76.083	0.00	0.24	0.482	O	|	|	|	|	0.68
76.167	0.00	0.24	0.480	O	|	|	|	|	0.68
76.250	0.00	0.24	0.478	O	|	|	|	|	0.67
76.333	0.00	0.24	0.477	O	|	|	|	|	0.67
76.417	0.00	0.24	0.475	O	|	|	|	|	0.67
76.500	0.00	0.24	0.473	O	|	|	|	|	0.67
76.583	0.00	0.24	0.472	O	|	|	|	|	0.66
76.667	0.00	0.24	0.470	O	|	|	|	|	0.66
76.750	0.00	0.24	0.468	O	|	|	|	|	0.66
76.833	0.00	0.24	0.467	O	|	|	|	|	0.66
76.917	0.00	0.24	0.465	O	|	|	|	|	0.65
77.000	0.00	0.23	0.463	O	|	|	|	|	0.65
77.083	0.00	0.23	0.462	O	|	|	|	|	0.65
77.167	0.00	0.23	0.460	O	|	|	|	|	0.65
77.250	0.00	0.23	0.459	O	|	|	|	|	0.65
77.333	0.00	0.23	0.457	O	|	|	|	|	0.64
77.417	0.00	0.23	0.455	O	|	|	|	|	0.64
77.500	0.00	0.23	0.454	O	|	|	|	|	0.64
77.583	0.00	0.23	0.452	O	|	|	|	|	0.64
77.667	0.00	0.23	0.451	O	|	|	|	|	0.63
77.750	0.00	0.23	0.449	O	|	|	|	|	0.63
77.833	0.00	0.23	0.448	O	|	|	|	|	0.63
77.917	0.00	0.23	0.446	O	|	|	|	|	0.63
78.000	0.00	0.23	0.444	O	|	|	|	|	0.63
78.083	0.00	0.22	0.443	O	|	|	|	|	0.62
78.167	0.00	0.22	0.441	O	|	|	|	|	0.62
78.250	0.00	0.22	0.440	O	|	|	|	|	0.62
78.333	0.00	0.22	0.438	O	|	|	|	|	0.62
78.417	0.00	0.22	0.437	O	|	|	|	|	0.62
78.500	0.00	0.22	0.435	O	|	|	|	|	0.61

78.583	0.00	0.22	0.434	O	|	|	|	|	0.61
78.667	0.00	0.22	0.432	O	|	|	|	|	0.61
78.750	0.00	0.22	0.431	O	|	|	|	|	0.61
78.833	0.00	0.22	0.429	O	|	|	|	|	0.60
78.917	0.00	0.22	0.428	O	|	|	|	|	0.60
79.000	0.00	0.22	0.426	O	|	|	|	|	0.60
79.083	0.00	0.22	0.425	O	|	|	|	|	0.60
79.167	0.00	0.21	0.423	O	|	|	|	|	0.60
79.250	0.00	0.21	0.422	O	|	|	|	|	0.59
79.333	0.00	0.21	0.420	O	|	|	|	|	0.59
79.417	0.00	0.21	0.419	O	|	|	|	|	0.59
79.500	0.00	0.21	0.417	O	|	|	|	|	0.59
79.583	0.00	0.21	0.416	O	|	|	|	|	0.59
79.667	0.00	0.21	0.414	O	|	|	|	|	0.58
79.750	0.00	0.21	0.413	O	|	|	|	|	0.58
79.833	0.00	0.21	0.412	O	|	|	|	|	0.58
79.917	0.00	0.21	0.410	O	|	|	|	|	0.58
80.000	0.00	0.21	0.409	O	|	|	|	|	0.58
80.083	0.00	0.21	0.407	O	|	|	|	|	0.57
80.167	0.00	0.21	0.406	O	|	|	|	|	0.57
80.250	0.00	0.21	0.404	O	|	|	|	|	0.57
80.333	0.00	0.20	0.403	O	|	|	|	|	0.57
80.417	0.00	0.20	0.402	O	|	|	|	|	0.57
80.500	0.00	0.20	0.400	O	|	|	|	|	0.56
80.583	0.00	0.20	0.399	O	|	|	|	|	0.56
80.667	0.00	0.20	0.397	O	|	|	|	|	0.56
80.750	0.00	0.20	0.396	O	|	|	|	|	0.56
80.833	0.00	0.20	0.395	O	|	|	|	|	0.56
80.917	0.00	0.20	0.393	O	|	|	|	|	0.55
81.000	0.00	0.20	0.392	O	|	|	|	|	0.55
81.083	0.00	0.20	0.391	O	|	|	|	|	0.55
81.167	0.00	0.20	0.389	O	|	|	|	|	0.55
81.250	0.00	0.20	0.388	O	|	|	|	|	0.55
81.333	0.00	0.20	0.386	O	|	|	|	|	0.54
81.417	0.00	0.20	0.385	O	|	|	|	|	0.54
81.500	0.00	0.19	0.384	O	|	|	|	|	0.54
81.583	0.00	0.19	0.382	O	|	|	|	|	0.54
81.667	0.00	0.19	0.381	O	|	|	|	|	0.54
81.750	0.00	0.19	0.380	O	|	|	|	|	0.53
81.833	0.00	0.19	0.378	O	|	|	|	|	0.53
81.917	0.00	0.19	0.377	O	|	|	|	|	0.53
82.000	0.00	0.19	0.376	O	|	|	|	|	0.53
82.083	0.00	0.19	0.374	O	|	|	|	|	0.53
82.167	0.00	0.19	0.373	O	|	|	|	|	0.53
82.250	0.00	0.19	0.372	O	|	|	|	|	0.52
82.333	0.00	0.19	0.371	O	|	|	|	|	0.52
82.417	0.00	0.19	0.369	O	|	|	|	|	0.52
82.500	0.00	0.19	0.368	O	|	|	|	|	0.52
82.583	0.00	0.19	0.367	O	|	|	|	|	0.52
82.667	0.00	0.19	0.365	O	|	|	|	|	0.51
82.750	0.00	0.18	0.364	O	|	|	|	|	0.51
82.833	0.00	0.18	0.363	O	|	|	|	|	0.51
82.917	0.00	0.18	0.362	O	|	|	|	|	0.51
83.000	0.00	0.18	0.360	O	|	|	|	|	0.51
83.083	0.00	0.18	0.359	O	|	|	|	|	0.51
83.167	0.00	0.18	0.358	O	|	|	|	|	0.50
83.250	0.00	0.18	0.357	O	|	|	|	|	0.50
83.333	0.00	0.18	0.355	O	|	|	|	|	0.50
83.417	0.00	0.18	0.354	O	|	|	|	|	0.50
83.500	0.00	0.18	0.353	O	|	|	|	|	0.50
83.583	0.00	0.18	0.352	O	|	|	|	|	0.50
83.667	0.00	0.18	0.350	O	|	|	|	|	0.49
83.750	0.00	0.18	0.349	O	|	|	|	|	0.49
83.833	0.00	0.18	0.348	O	|	|	|	|	0.49
83.917	0.00	0.18	0.347	O	|	|	|	|	0.49
84.000	0.00	0.18	0.346	O	|	|	|	|	0.49
84.083	0.00	0.17	0.344	O	|	|	|	|	0.49

84.167	0.00	0.17	0.343	O	|	|	|	|	0.48
84.250	0.00	0.17	0.342	O	|	|	|	|	0.48
84.333	0.00	0.17	0.341	O	|	|	|	|	0.48
84.417	0.00	0.17	0.340	O	|	|	|	|	0.48
84.500	0.00	0.17	0.338	O	|	|	|	|	0.48
84.583	0.00	0.17	0.337	O	|	|	|	|	0.48
84.667	0.00	0.17	0.336	O	|	|	|	|	0.47
84.750	0.00	0.17	0.335	O	|	|	|	|	0.47
84.833	0.00	0.17	0.334	O	|	|	|	|	0.47
84.917	0.00	0.17	0.333	O	|	|	|	|	0.47
85.000	0.00	0.17	0.331	O	|	|	|	|	0.47
85.083	0.00	0.17	0.330	O	|	|	|	|	0.47
85.167	0.00	0.17	0.329	O	|	|	|	|	0.46
85.250	0.00	0.17	0.328	O	|	|	|	|	0.46
85.333	0.00	0.17	0.327	O	|	|	|	|	0.46
85.417	0.00	0.17	0.326	O	|	|	|	|	0.46
85.500	0.00	0.16	0.325	O	|	|	|	|	0.46
85.583	0.00	0.16	0.323	O	|	|	|	|	0.46
85.667	0.00	0.16	0.322	O	|	|	|	|	0.45
85.750	0.00	0.16	0.321	O	|	|	|	|	0.45
85.833	0.00	0.16	0.320	O	|	|	|	|	0.45
85.917	0.00	0.16	0.319	O	|	|	|	|	0.45
86.000	0.00	0.16	0.318	O	|	|	|	|	0.45
86.083	0.00	0.16	0.317	O	|	|	|	|	0.45
86.167	0.00	0.16	0.316	O	|	|	|	|	0.44
86.250	0.00	0.16	0.315	O	|	|	|	|	0.44
86.333	0.00	0.16	0.313	O	|	|	|	|	0.44
86.417	0.00	0.16	0.312	O	|	|	|	|	0.44
86.500	0.00	0.16	0.311	O	|	|	|	|	0.44
86.583	0.00	0.16	0.310	O	|	|	|	|	0.44
86.667	0.00	0.16	0.309	O	|	|	|	|	0.44
86.750	0.00	0.16	0.308	O	|	|	|	|	0.43
86.833	0.00	0.16	0.307	O	|	|	|	|	0.43
86.917	0.00	0.16	0.306	O	|	|	|	|	0.43
87.000	0.00	0.15	0.305	O	|	|	|	|	0.43
87.083	0.00	0.15	0.304	O	|	|	|	|	0.43
87.167	0.00	0.15	0.303	O	|	|	|	|	0.43
87.250	0.00	0.15	0.302	O	|	|	|	|	0.42
87.333	0.00	0.15	0.301	O	|	|	|	|	0.42
87.417	0.00	0.15	0.299	O	|	|	|	|	0.42
87.500	0.00	0.15	0.298	O	|	|	|	|	0.42
87.583	0.00	0.15	0.297	O	|	|	|	|	0.42
87.667	0.00	0.15	0.296	O	|	|	|	|	0.42
87.750	0.00	0.15	0.295	O	|	|	|	|	0.42
87.833	0.00	0.15	0.294	O	|	|	|	|	0.41
87.917	0.00	0.15	0.293	O	|	|	|	|	0.41
88.000	0.00	0.15	0.292	O	|	|	|	|	0.41
88.083	0.00	0.15	0.291	O	|	|	|	|	0.41
88.167	0.00	0.15	0.290	O	|	|	|	|	0.41
88.250	0.00	0.15	0.289	O	|	|	|	|	0.41
88.333	0.00	0.15	0.288	O	|	|	|	|	0.41
88.417	0.00	0.15	0.287	O	|	|	|	|	0.40
88.500	0.00	0.15	0.286	O	|	|	|	|	0.40
88.583	0.00	0.14	0.285	O	|	|	|	|	0.40
88.667	0.00	0.14	0.284	O	|	|	|	|	0.40
88.750	0.00	0.14	0.283	O	|	|	|	|	0.40
88.833	0.00	0.14	0.282	O	|	|	|	|	0.40
88.917	0.00	0.14	0.281	O	|	|	|	|	0.40
89.000	0.00	0.14	0.280	O	|	|	|	|	0.39
89.083	0.00	0.14	0.279	O	|	|	|	|	0.39
89.167	0.00	0.14	0.278	O	|	|	|	|	0.39
89.250	0.00	0.14	0.277	O	|	|	|	|	0.39
89.333	0.00	0.14	0.276	O	|	|	|	|	0.39
89.417	0.00	0.14	0.275	O	|	|	|	|	0.39
89.500	0.00	0.14	0.274	O	|	|	|	|	0.39
89.583	0.00	0.14	0.274	O	|	|	|	|	0.39
89.667	0.00	0.14	0.273	O	|	|	|	|	0.38

89.750	0.00	0.14	0.272	O	|	|	|	0.38
89.833	0.00	0.14	0.271	O	|	|	|	0.38
89.917	0.00	0.14	0.270	O	|	|	|	0.38
90.000	0.00	0.14	0.269	O	|	|	|	0.38
90.083	0.00	0.14	0.268	O	|	|	|	0.38
90.167	0.00	0.14	0.267	O	|	|	|	0.38
90.250	0.00	0.13	0.266	O	|	|	|	0.37
90.333	0.00	0.13	0.265	O	|	|	|	0.37
90.417	0.00	0.13	0.264	O	|	|	|	0.37
90.500	0.00	0.13	0.263	O	|	|	|	0.37
90.583	0.00	0.13	0.262	O	|	|	|	0.37
90.667	0.00	0.13	0.261	O	|	|	|	0.37
90.750	0.00	0.13	0.260	O	|	|	|	0.37
90.833	0.00	0.13	0.260	O	|	|	|	0.37
90.917	0.00	0.13	0.259	O	|	|	|	0.36
91.000	0.00	0.13	0.258	O	|	|	|	0.36
91.083	0.00	0.13	0.257	O	|	|	|	0.36
91.167	0.00	0.13	0.256	O	|	|	|	0.36
91.250	0.00	0.13	0.255	O	|	|	|	0.36
91.333	0.00	0.13	0.254	O	|	|	|	0.36
91.417	0.00	0.13	0.253	O	|	|	|	0.36
91.500	0.00	0.13	0.252	O	|	|	|	0.36
91.583	0.00	0.13	0.252	O	|	|	|	0.35
91.667	0.00	0.13	0.251	O	|	|	|	0.35
91.750	0.00	0.13	0.250	O	|	|	|	0.35
91.833	0.00	0.13	0.249	O	|	|	|	0.35
91.917	0.00	0.13	0.248	O	|	|	|	0.35
92.000	0.00	0.13	0.247	O	|	|	|	0.35
92.083	0.00	0.12	0.246	O	|	|	|	0.35
92.167	0.00	0.12	0.245	O	|	|	|	0.35
92.250	0.00	0.12	0.245	O	|	|	|	0.34
92.333	0.00	0.12	0.244	O	|	|	|	0.34
92.417	0.00	0.12	0.243	O	|	|	|	0.34
92.500	0.00	0.12	0.242	O	|	|	|	0.34
92.583	0.00	0.12	0.241	O	|	|	|	0.34
92.667	0.00	0.12	0.240	O	|	|	|	0.34
92.750	0.00	0.12	0.240	O	|	|	|	0.34
92.833	0.00	0.12	0.239	O	|	|	|	0.34
92.917	0.00	0.12	0.238	O	|	|	|	0.33
93.000	0.00	0.12	0.237	O	|	|	|	0.33
93.083	0.00	0.12	0.236	O	|	|	|	0.33
93.167	0.00	0.12	0.235	O	|	|	|	0.33
93.250	0.00	0.12	0.235	O	|	|	|	0.33
93.333	0.00	0.12	0.234	O	|	|	|	0.33
93.417	0.00	0.12	0.233	O	|	|	|	0.33
93.500	0.00	0.12	0.232	O	|	|	|	0.33
93.583	0.00	0.12	0.231	O	|	|	|	0.33
93.667	0.00	0.12	0.230	O	|	|	|	0.32
93.750	0.00	0.12	0.230	O	|	|	|	0.32
93.833	0.00	0.12	0.229	O	|	|	|	0.32
93.917	0.00	0.12	0.228	O	|	|	|	0.32
94.000	0.00	0.12	0.227	O	|	|	|	0.32
94.083	0.00	0.11	0.226	O	|	|	|	0.32
94.167	0.00	0.11	0.226	O	|	|	|	0.32
94.250	0.00	0.11	0.225	O	|	|	|	0.32
94.333	0.00	0.11	0.224	O	|	|	|	0.32
94.417	0.00	0.11	0.223	O	|	|	|	0.31
94.500	0.00	0.11	0.223	O	|	|	|	0.31
94.583	0.00	0.11	0.222	O	|	|	|	0.31
94.667	0.00	0.11	0.221	O	|	|	|	0.31
94.750	0.00	0.11	0.220	O	|	|	|	0.31
94.833	0.00	0.11	0.219	O	|	|	|	0.31
94.917	0.00	0.11	0.219	O	|	|	|	0.31
95.000	0.00	0.11	0.218	O	|	|	|	0.31
95.083	0.00	0.11	0.217	O	|	|	|	0.31
95.167	0.00	0.11	0.216	O	|	|	|	0.30
95.250	0.00	0.11	0.216	O	|	|	|	0.30

95.333	0.00	0.11	0.215	O	|	|	|	|	0.30
95.417	0.00	0.11	0.214	O	|	|	|	|	0.30
95.500	0.00	0.11	0.213	O	|	|	|	|	0.30
95.583	0.00	0.11	0.213	O	|	|	|	|	0.30
95.667	0.00	0.11	0.212	O	|	|	|	|	0.30
95.750	0.00	0.11	0.211	O	|	|	|	|	0.30
95.833	0.00	0.11	0.210	O	|	|	|	|	0.30
95.917	0.00	0.11	0.210	O	|	|	|	|	0.30
96.000	0.00	0.11	0.209	O	|	|	|	|	0.29
96.083	0.00	0.11	0.208	O	|	|	|	|	0.29
96.167	0.00	0.11	0.208	O	|	|	|	|	0.29
96.250	0.00	0.10	0.207	O	|	|	|	|	0.29
96.333	0.00	0.10	0.206	O	|	|	|	|	0.29
96.417	0.00	0.10	0.205	O	|	|	|	|	0.29
96.500	0.00	0.10	0.205	O	|	|	|	|	0.29
96.583	0.00	0.10	0.204	O	|	|	|	|	0.29
96.667	0.00	0.10	0.203	O	|	|	|	|	0.29
96.750	0.00	0.10	0.203	O	|	|	|	|	0.29
96.833	0.00	0.10	0.202	O	|	|	|	|	0.28
96.917	0.00	0.10	0.201	O	|	|	|	|	0.28
97.000	0.00	0.10	0.200	O	|	|	|	|	0.28
97.083	0.00	0.10	0.200	O	|	|	|	|	0.28
97.167	0.00	0.10	0.199	O	|	|	|	|	0.28
97.250	0.00	0.10	0.198	O	|	|	|	|	0.28
97.333	0.00	0.10	0.198	O	|	|	|	|	0.28
97.417	0.00	0.10	0.197	O	|	|	|	|	0.28
97.500	0.00	0.10	0.196	O	|	|	|	|	0.28
97.583	0.00	0.10	0.196	O	|	|	|	|	0.28
97.667	0.00	0.10	0.195	O	|	|	|	|	0.27
97.750	0.00	0.10	0.194	O	|	|	|	|	0.27
97.833	0.00	0.10	0.194	O	|	|	|	|	0.27
97.917	0.00	0.10	0.193	O	|	|	|	|	0.27
98.000	0.00	0.10	0.192	O	|	|	|	|	0.27
98.083	0.00	0.10	0.192	O	|	|	|	|	0.27
98.167	0.00	0.10	0.191	O	|	|	|	|	0.27
98.250	0.00	0.10	0.190	O	|	|	|	|	0.27
98.333	0.00	0.10	0.190	O	|	|	|	|	0.27
98.417	0.00	0.10	0.189	O	|	|	|	|	0.27
98.500	0.00	0.10	0.188	O	|	|	|	|	0.27
98.583	0.00	0.10	0.188	O	|	|	|	|	0.26
98.667	0.00	0.09	0.187	O	|	|	|	|	0.26
98.750	0.00	0.09	0.186	O	|	|	|	|	0.26
98.833	0.00	0.09	0.186	O	|	|	|	|	0.26
98.917	0.00	0.09	0.185	O	|	|	|	|	0.26
99.000	0.00	0.09	0.184	O	|	|	|	|	0.26
99.083	0.00	0.09	0.184	O	|	|	|	|	0.26
99.167	0.00	0.09	0.183	O	|	|	|	|	0.26
99.250	0.00	0.09	0.182	O	|	|	|	|	0.26
99.333	0.00	0.09	0.182	O	|	|	|	|	0.26
99.417	0.00	0.09	0.181	O	|	|	|	|	0.26
99.500	0.00	0.09	0.181	O	|	|	|	|	0.25
99.583	0.00	0.09	0.180	O	|	|	|	|	0.25
99.667	0.00	0.09	0.179	O	|	|	|	|	0.25
99.750	0.00	0.09	0.179	O	|	|	|	|	0.25
99.833	0.00	0.09	0.178	O	|	|	|	|	0.25
99.917	0.00	0.09	0.177	O	|	|	|	|	0.25
100.000	0.00	0.09	0.177	O	|	|	|	|	0.25
100.083	0.00	0.09	0.176	O	|	|	|	|	0.25
100.167	0.00	0.09	0.176	O	|	|	|	|	0.25
100.250	0.00	0.09	0.175	O	|	|	|	|	0.25
100.333	0.00	0.09	0.174	O	|	|	|	|	0.25
100.417	0.00	0.09	0.174	O	|	|	|	|	0.24
100.500	0.00	0.09	0.173	O	|	|	|	|	0.24
100.583	0.00	0.09	0.172	O	|	|	|	|	0.24
100.667	0.00	0.09	0.172	O	|	|	|	|	0.24
100.750	0.00	0.09	0.171	O	|	|	|	|	0.24
100.833	0.00	0.09	0.171	O	|	|	|	|	0.24

100.917	0.00	0.09	0.170	O	|	|	|	|	0.24
101.000	0.00	0.09	0.170	O	|	|	|	|	0.24
101.083	0.00	0.09	0.169	O	|	|	|	|	0.24
101.167	0.00	0.09	0.168	O	|	|	|	|	0.24
101.250	0.00	0.09	0.168	O	|	|	|	|	0.24
101.333	0.00	0.08	0.167	O	|	|	|	|	0.24
101.417	0.00	0.08	0.167	O	|	|	|	|	0.23
101.500	0.00	0.08	0.166	O	|	|	|	|	0.23
101.583	0.00	0.08	0.165	O	|	|	|	|	0.23
101.667	0.00	0.08	0.165	O	|	|	|	|	0.23
101.750	0.00	0.08	0.164	O	|	|	|	|	0.23
101.833	0.00	0.08	0.164	O	|	|	|	|	0.23
101.917	0.00	0.08	0.163	O	|	|	|	|	0.23
102.000	0.00	0.08	0.163	O	|	|	|	|	0.23
102.083	0.00	0.08	0.162	O	|	|	|	|	0.23
102.167	0.00	0.08	0.161	O	|	|	|	|	0.23
102.250	0.00	0.08	0.161	O	|	|	|	|	0.23
102.333	0.00	0.08	0.160	O	|	|	|	|	0.23
102.417	0.00	0.08	0.160	O	|	|	|	|	0.22
102.500	0.00	0.08	0.159	O	|	|	|	|	0.22
102.583	0.00	0.08	0.159	O	|	|	|	|	0.22
102.667	0.00	0.08	0.158	O	|	|	|	|	0.22
102.750	0.00	0.08	0.158	O	|	|	|	|	0.22
102.833	0.00	0.08	0.157	O	|	|	|	|	0.22
102.917	0.00	0.08	0.156	O	|	|	|	|	0.22
103.000	0.00	0.08	0.156	O	|	|	|	|	0.22
103.083	0.00	0.08	0.155	O	|	|	|	|	0.22
103.167	0.00	0.08	0.155	O	|	|	|	|	0.22
103.250	0.00	0.08	0.154	O	|	|	|	|	0.22
103.333	0.00	0.08	0.154	O	|	|	|	|	0.22
103.417	0.00	0.08	0.153	O	|	|	|	|	0.22
103.500	0.00	0.08	0.153	O	|	|	|	|	0.21
103.583	0.00	0.08	0.152	O	|	|	|	|	0.21
103.667	0.00	0.08	0.152	O	|	|	|	|	0.21
103.750	0.00	0.08	0.151	O	|	|	|	|	0.21
103.833	0.00	0.08	0.151	O	|	|	|	|	0.21
103.917	0.00	0.08	0.150	O	|	|	|	|	0.21
104.000	0.00	0.08	0.149	O	|	|	|	|	0.21
104.083	0.00	0.08	0.149	O	|	|	|	|	0.21
104.167	0.00	0.08	0.148	O	|	|	|	|	0.21
104.250	0.00	0.08	0.148	O	|	|	|	|	0.21
104.333	0.00	0.07	0.147	O	|	|	|	|	0.21
104.417	0.00	0.07	0.147	O	|	|	|	|	0.21
104.500	0.00	0.07	0.146	O	|	|	|	|	0.21
104.583	0.00	0.07	0.146	O	|	|	|	|	0.21
104.667	0.00	0.07	0.145	O	|	|	|	|	0.20
104.750	0.00	0.07	0.145	O	|	|	|	|	0.20
104.833	0.00	0.07	0.144	O	|	|	|	|	0.20
104.917	0.00	0.07	0.144	O	|	|	|	|	0.20
105.000	0.00	0.07	0.143	O	|	|	|	|	0.20
105.083	0.00	0.07	0.143	O	|	|	|	|	0.20
105.167	0.00	0.07	0.142	O	|	|	|	|	0.20
105.250	0.00	0.07	0.142	O	|	|	|	|	0.20
105.333	0.00	0.07	0.141	O	|	|	|	|	0.20
105.417	0.00	0.07	0.141	O	|	|	|	|	0.20
105.500	0.00	0.07	0.140	O	|	|	|	|	0.20
105.583	0.00	0.07	0.140	O	|	|	|	|	0.20
105.667	0.00	0.07	0.139	O	|	|	|	|	0.20
105.750	0.00	0.07	0.139	O	|	|	|	|	0.20
105.833	0.00	0.07	0.138	O	|	|	|	|	0.19
105.917	0.00	0.07	0.138	O	|	|	|	|	0.19
106.000	0.00	0.07	0.137	O	|	|	|	|	0.19
106.083	0.00	0.07	0.137	O	|	|	|	|	0.19
106.167	0.00	0.07	0.137	O	|	|	|	|	0.19
106.250	0.00	0.07	0.136	O	|	|	|	|	0.19
106.333	0.00	0.07	0.136	O	|	|	|	|	0.19
106.417	0.00	0.07	0.135	O	|	|	|	|	0.19

106.500	0.00	0.07	0.135	O	|	|	|	| 0.19
106.583	0.00	0.07	0.134	O	|	|	|	| 0.19
106.667	0.00	0.07	0.134	O	|	|	|	| 0.19
106.750	0.00	0.07	0.133	O	|	|	|	| 0.19
106.833	0.00	0.07	0.133	O	|	|	|	| 0.19
106.917	0.00	0.07	0.132	O	|	|	|	| 0.19
107.000	0.00	0.07	0.132	O	|	|	|	| 0.19
107.083	0.00	0.07	0.131	O	|	|	|	| 0.19
107.167	0.00	0.07	0.131	O	|	|	|	| 0.18
107.250	0.00	0.07	0.130	O	|	|	|	| 0.18
107.333	0.00	0.07	0.130	O	|	|	|	| 0.18
107.417	0.00	0.07	0.130	O	|	|	|	| 0.18
107.500	0.00	0.07	0.129	O	|	|	|	| 0.18
107.583	0.00	0.07	0.129	O	|	|	|	| 0.18
107.667	0.00	0.06	0.128	O	|	|	|	| 0.18
107.750	0.00	0.06	0.128	O	|	|	|	| 0.18
107.833	0.00	0.06	0.127	O	|	|	|	| 0.18
107.917	0.00	0.06	0.127	O	|	|	|	| 0.18
108.000	0.00	0.06	0.126	O	|	|	|	| 0.18
108.083	0.00	0.06	0.126	O	|	|	|	| 0.18
108.167	0.00	0.06	0.126	O	|	|	|	| 0.18
108.250	0.00	0.06	0.125	O	|	|	|	| 0.18
108.333	0.00	0.06	0.125	O	|	|	|	| 0.18
108.417	0.00	0.06	0.124	O	|	|	|	| 0.17
108.500	0.00	0.06	0.124	O	|	|	|	| 0.17
108.583	0.00	0.06	0.123	O	|	|	|	| 0.17
108.667	0.00	0.06	0.123	O	|	|	|	| 0.17
108.750	0.00	0.06	0.123	O	|	|	|	| 0.17
108.833	0.00	0.06	0.122	O	|	|	|	| 0.17
108.917	0.00	0.06	0.122	O	|	|	|	| 0.17
109.000	0.00	0.06	0.121	O	|	|	|	| 0.17
109.083	0.00	0.06	0.121	O	|	|	|	| 0.17
109.167	0.00	0.06	0.120	O	|	|	|	| 0.17
109.250	0.00	0.06	0.120	O	|	|	|	| 0.17
109.333	0.00	0.06	0.120	O	|	|	|	| 0.17
109.417	0.00	0.06	0.119	O	|	|	|	| 0.17
109.500	0.00	0.06	0.119	O	|	|	|	| 0.17
109.583	0.00	0.06	0.118	O	|	|	|	| 0.17
109.667	0.00	0.06	0.118	O	|	|	|	| 0.17
109.750	0.00	0.06	0.117	O	|	|	|	| 0.17
109.833	0.00	0.06	0.117	O	|	|	|	| 0.16
109.917	0.00	0.06	0.117	O	|	|	|	| 0.16
110.000	0.00	0.06	0.116	O	|	|	|	| 0.16
110.083	0.00	0.06	0.116	O	|	|	|	| 0.16
110.167	0.00	0.06	0.115	O	|	|	|	| 0.16
110.250	0.00	0.06	0.115	O	|	|	|	| 0.16
110.333	0.00	0.06	0.115	O	|	|	|	| 0.16
110.417	0.00	0.06	0.114	O	|	|	|	| 0.16
110.500	0.00	0.06	0.114	O	|	|	|	| 0.16
110.583	0.00	0.06	0.113	O	|	|	|	| 0.16
110.667	0.00	0.06	0.113	O	|	|	|	| 0.16
110.750	0.00	0.06	0.113	O	|	|	|	| 0.16
110.833	0.00	0.06	0.112	O	|	|	|	| 0.16
110.917	0.00	0.06	0.112	O	|	|	|	| 0.16
111.000	0.00	0.06	0.111	O	|	|	|	| 0.16
111.083	0.00	0.06	0.111	O	|	|	|	| 0.16
111.167	0.00	0.06	0.111	O	|	|	|	| 0.16
111.250	0.00	0.06	0.110	O	|	|	|	| 0.16
111.333	0.00	0.06	0.110	O	|	|	|	| 0.15
111.417	0.00	0.06	0.110	O	|	|	|	| 0.15
111.500	0.00	0.06	0.109	O	|	|	|	| 0.15
111.583	0.00	0.06	0.109	O	|	|	|	| 0.15
111.667	0.00	0.05	0.108	O	|	|	|	| 0.15
111.750	0.00	0.05	0.108	O	|	|	|	| 0.15
111.833	0.00	0.05	0.108	O	|	|	|	| 0.15
111.917	0.00	0.05	0.107	O	|	|	|	| 0.15
112.000	0.00	0.05	0.107	O	|	|	|	| 0.15

112.083	0.00	0.05	0.107	O	|	|	|	|	0.15
112.167	0.00	0.05	0.106	O	|	|	|	|	0.15
112.250	0.00	0.05	0.106	O	|	|	|	|	0.15
112.333	0.00	0.05	0.105	O	|	|	|	|	0.15
112.417	0.00	0.05	0.105	O	|	|	|	|	0.15
112.500	0.00	0.05	0.105	O	|	|	|	|	0.15
112.583	0.00	0.05	0.104	O	|	|	|	|	0.15
112.667	0.00	0.05	0.104	O	|	|	|	|	0.15
112.750	0.00	0.05	0.104	O	|	|	|	|	0.15
112.833	0.00	0.05	0.103	O	|	|	|	|	0.15
112.917	0.00	0.05	0.103	O	|	|	|	|	0.14
113.000	0.00	0.05	0.103	O	|	|	|	|	0.14
113.083	0.00	0.05	0.102	O	|	|	|	|	0.14
113.167	0.00	0.05	0.102	O	|	|	|	|	0.14
113.250	0.00	0.05	0.101	O	|	|	|	|	0.14
113.333	0.00	0.05	0.101	O	|	|	|	|	0.14
113.417	0.00	0.05	0.101	O	|	|	|	|	0.14
113.500	0.00	0.05	0.100	O	|	|	|	|	0.14
113.583	0.00	0.05	0.100	O	|	|	|	|	0.14
113.667	0.00	0.05	0.100	O	|	|	|	|	0.14
113.750	0.00	0.05	0.099	O	|	|	|	|	0.14
113.833	0.00	0.05	0.099	O	|	|	|	|	0.14
113.917	0.00	0.05	0.099	O	|	|	|	|	0.14
114.000	0.00	0.05	0.098	O	|	|	|	|	0.14
114.083	0.00	0.05	0.098	O	|	|	|	|	0.14
114.167	0.00	0.05	0.098	O	|	|	|	|	0.14
114.250	0.00	0.05	0.097	O	|	|	|	|	0.14
114.333	0.00	0.05	0.097	O	|	|	|	|	0.14
114.417	0.00	0.05	0.097	O	|	|	|	|	0.14
114.500	0.00	0.05	0.096	O	|	|	|	|	0.14
114.583	0.00	0.05	0.096	O	|	|	|	|	0.14
114.667	0.00	0.05	0.096	O	|	|	|	|	0.13
114.750	0.00	0.05	0.095	O	|	|	|	|	0.13
114.833	0.00	0.05	0.095	O	|	|	|	|	0.13
114.917	0.00	0.05	0.095	O	|	|	|	|	0.13
115.000	0.00	0.05	0.094	O	|	|	|	|	0.13
115.083	0.00	0.05	0.094	O	|	|	|	|	0.13
115.167	0.00	0.05	0.094	O	|	|	|	|	0.13
115.250	0.00	0.05	0.093	O	|	|	|	|	0.13
115.333	0.00	0.05	0.093	O	|	|	|	|	0.13
115.417	0.00	0.05	0.093	O	|	|	|	|	0.13
115.500	0.00	0.05	0.092	O	|	|	|	|	0.13
115.583	0.00	0.05	0.092	O	|	|	|	|	0.13
115.667	0.00	0.05	0.092	O	|	|	|	|	0.13
115.750	0.00	0.05	0.091	O	|	|	|	|	0.13
115.833	0.00	0.05	0.091	O	|	|	|	|	0.13
115.917	0.00	0.05	0.091	O	|	|	|	|	0.13
116.000	0.00	0.05	0.090	O	|	|	|	|	0.13
116.083	0.00	0.05	0.090	O	|	|	|	|	0.13
116.167	0.00	0.05	0.090	O	|	|	|	|	0.13
116.250	0.00	0.05	0.089	O	|	|	|	|	0.13
116.333	0.00	0.05	0.089	O	|	|	|	|	0.13
116.417	0.00	0.05	0.089	O	|	|	|	|	0.13
116.500	0.00	0.04	0.089	O	|	|	|	|	0.12
116.583	0.00	0.04	0.088	O	|	|	|	|	0.12
116.667	0.00	0.04	0.088	O	|	|	|	|	0.12
116.750	0.00	0.04	0.088	O	|	|	|	|	0.12
116.833	0.00	0.04	0.087	O	|	|	|	|	0.12
116.917	0.00	0.04	0.087	O	|	|	|	|	0.12
117.000	0.00	0.04	0.087	O	|	|	|	|	0.12
117.083	0.00	0.04	0.086	O	|	|	|	|	0.12
117.167	0.00	0.04	0.086	O	|	|	|	|	0.12
117.250	0.00	0.04	0.086	O	|	|	|	|	0.12
117.333	0.00	0.04	0.085	O	|	|	|	|	0.12
117.417	0.00	0.04	0.085	O	|	|	|	|	0.12
117.500	0.00	0.04	0.085	O	|	|	|	|	0.12
117.583	0.00	0.04	0.085	O	|	|	|	|	0.12

117.667	0.00	0.04	0.084	O	|	|	|	|	0.12
117.750	0.00	0.04	0.084	O	|	|	|	|	0.12
117.833	0.00	0.04	0.084	O	|	|	|	|	0.12
117.917	0.00	0.04	0.083	O	|	|	|	|	0.12
118.000	0.00	0.04	0.083	O	|	|	|	|	0.12
118.083	0.00	0.04	0.083	O	|	|	|	|	0.12
118.167	0.00	0.04	0.083	O	|	|	|	|	0.12
118.250	0.00	0.04	0.082	O	|	|	|	|	0.12
118.333	0.00	0.04	0.082	O	|	|	|	|	0.12
118.417	0.00	0.04	0.082	O	|	|	|	|	0.12
118.500	0.00	0.04	0.081	O	|	|	|	|	0.11
118.583	0.00	0.04	0.081	O	|	|	|	|	0.11
118.667	0.00	0.04	0.081	O	|	|	|	|	0.11
118.750	0.00	0.04	0.081	O	|	|	|	|	0.11
118.833	0.00	0.04	0.080	O	|	|	|	|	0.11
118.917	0.00	0.04	0.080	O	|	|	|	|	0.11
119.000	0.00	0.04	0.080	O	|	|	|	|	0.11
119.083	0.00	0.04	0.079	O	|	|	|	|	0.11
119.167	0.00	0.04	0.079	O	|	|	|	|	0.11
119.250	0.00	0.04	0.079	O	|	|	|	|	0.11
119.333	0.00	0.04	0.079	O	|	|	|	|	0.11
119.417	0.00	0.04	0.078	O	|	|	|	|	0.11
119.500	0.00	0.04	0.078	O	|	|	|	|	0.11
119.583	0.00	0.04	0.078	O	|	|	|	|	0.11
119.667	0.00	0.04	0.078	O	|	|	|	|	0.11
119.750	0.00	0.04	0.077	O	|	|	|	|	0.11
119.833	0.00	0.04	0.077	O	|	|	|	|	0.11
119.917	0.00	0.04	0.077	O	|	|	|	|	0.11
120.000	0.00	0.04	0.076	O	|	|	|	|	0.11
120.083	0.00	0.04	0.076	O	|	|	|	|	0.11
120.167	0.00	0.04	0.076	O	|	|	|	|	0.11
120.250	0.00	0.04	0.076	O	|	|	|	|	0.11
120.333	0.00	0.04	0.075	O	|	|	|	|	0.11
120.417	0.00	0.04	0.075	O	|	|	|	|	0.11
120.500	0.00	0.04	0.075	O	|	|	|	|	0.11
120.583	0.00	0.04	0.075	O	|	|	|	|	0.11
120.667	0.00	0.04	0.074	O	|	|	|	|	0.10
120.750	0.00	0.04	0.074	O	|	|	|	|	0.10
120.833	0.00	0.04	0.074	O	|	|	|	|	0.10
120.917	0.00	0.04	0.074	O	|	|	|	|	0.10
121.000	0.00	0.04	0.073	O	|	|	|	|	0.10
121.083	0.00	0.04	0.073	O	|	|	|	|	0.10
121.167	0.00	0.04	0.073	O	|	|	|	|	0.10
121.250	0.00	0.04	0.073	O	|	|	|	|	0.10
121.333	0.00	0.04	0.072	O	|	|	|	|	0.10
121.417	0.00	0.04	0.072	O	|	|	|	|	0.10
121.500	0.00	0.04	0.072	O	|	|	|	|	0.10
121.583	0.00	0.04	0.072	O	|	|	|	|	0.10
121.667	0.00	0.04	0.071	O	|	|	|	|	0.10
121.750	0.00	0.04	0.071	O	|	|	|	|	0.10
121.833	0.00	0.04	0.071	O	|	|	|	|	0.10
121.917	0.00	0.04	0.071	O	|	|	|	|	0.10
122.000	0.00	0.04	0.070	O	|	|	|	|	0.10
122.083	0.00	0.04	0.070	O	|	|	|	|	0.10
122.167	0.00	0.04	0.070	O	|	|	|	|	0.10
122.250	0.00	0.04	0.070	O	|	|	|	|	0.10
122.333	0.00	0.04	0.069	O	|	|	|	|	0.10
122.417	0.00	0.04	0.069	O	|	|	|	|	0.10
122.500	0.00	0.03	0.069	O	|	|	|	|	0.10
122.583	0.00	0.03	0.069	O	|	|	|	|	0.10
122.667	0.00	0.03	0.068	O	|	|	|	|	0.10
122.750	0.00	0.03	0.068	O	|	|	|	|	0.10
122.833	0.00	0.03	0.068	O	|	|	|	|	0.10
122.917	0.00	0.03	0.068	O	|	|	|	|	0.10
123.000	0.00	0.03	0.067	O	|	|	|	|	0.09
123.083	0.00	0.03	0.067	O	|	|	|	|	0.09
123.167	0.00	0.03	0.067	O	|	|	|	|	0.09

123.250	0.00	0.03	0.067	O	|	|	|	0.09
123.333	0.00	0.03	0.066	O	|	|	|	0.09
123.417	0.00	0.03	0.066	O	|	|	|	0.09
123.500	0.00	0.03	0.066	O	|	|	|	0.09
123.583	0.00	0.03	0.066	O	|	|	|	0.09
123.667	0.00	0.03	0.066	O	|	|	|	0.09
123.750	0.00	0.03	0.065	O	|	|	|	0.09
123.833	0.00	0.03	0.065	O	|	|	|	0.09
123.917	0.00	0.03	0.065	O	|	|	|	0.09
124.000	0.00	0.03	0.065	O	|	|	|	0.09
124.083	0.00	0.03	0.064	O	|	|	|	0.09
124.167	0.00	0.03	0.064	O	|	|	|	0.09
124.250	0.00	0.03	0.064	O	|	|	|	0.09
124.333	0.00	0.03	0.064	O	|	|	|	0.09
124.417	0.00	0.03	0.064	O	|	|	|	0.09
124.500	0.00	0.03	0.063	O	|	|	|	0.09
124.583	0.00	0.03	0.063	O	|	|	|	0.09
124.667	0.00	0.03	0.063	O	|	|	|	0.09
124.750	0.00	0.03	0.063	O	|	|	|	0.09
124.833	0.00	0.03	0.062	O	|	|	|	0.09
124.917	0.00	0.03	0.062	O	|	|	|	0.09
125.000	0.00	0.03	0.062	O	|	|	|	0.09
125.083	0.00	0.03	0.062	O	|	|	|	0.09
125.167	0.00	0.03	0.062	O	|	|	|	0.09
125.250	0.00	0.03	0.061	O	|	|	|	0.09
125.333	0.00	0.03	0.061	O	|	|	|	0.09
125.417	0.00	0.03	0.061	O	|	|	|	0.09
125.500	0.00	0.03	0.061	O	|	|	|	0.09
125.583	0.00	0.03	0.061	O	|	|	|	0.09
125.667	0.00	0.03	0.060	O	|	|	|	0.08
125.750	0.00	0.03	0.060	O	|	|	|	0.08
125.833	0.00	0.03	0.060	O	|	|	|	0.08
125.917	0.00	0.03	0.060	O	|	|	|	0.08
126.000	0.00	0.03	0.059	O	|	|	|	0.08
126.083	0.00	0.03	0.059	O	|	|	|	0.08
126.167	0.00	0.03	0.059	O	|	|	|	0.08
126.250	0.00	0.03	0.059	O	|	|	|	0.08
126.333	0.00	0.03	0.059	O	|	|	|	0.08
126.417	0.00	0.03	0.058	O	|	|	|	0.08
126.500	0.00	0.03	0.058	O	|	|	|	0.08
126.583	0.00	0.03	0.058	O	|	|	|	0.08
126.667	0.00	0.03	0.058	O	|	|	|	0.08
126.750	0.00	0.03	0.058	O	|	|	|	0.08
126.833	0.00	0.03	0.057	O	|	|	|	0.08
126.917	0.00	0.03	0.057	O	|	|	|	0.08
127.000	0.00	0.03	0.057	O	|	|	|	0.08
127.083	0.00	0.03	0.057	O	|	|	|	0.08
127.167	0.00	0.03	0.057	O	|	|	|	0.08
127.250	0.00	0.03	0.056	O	|	|	|	0.08
127.333	0.00	0.03	0.056	O	|	|	|	0.08
127.417	0.00	0.03	0.056	O	|	|	|	0.08
127.500	0.00	0.03	0.056	O	|	|	|	0.08
127.583	0.00	0.03	0.056	O	|	|	|	0.08
127.667	0.00	0.03	0.055	O	|	|	|	0.08
127.750	0.00	0.03	0.055	O	|	|	|	0.08
127.833	0.00	0.03	0.055	O	|	|	|	0.08
127.917	0.00	0.03	0.055	O	|	|	|	0.08
128.000	0.00	0.03	0.055	O	|	|	|	0.08
128.083	0.00	0.03	0.054	O	|	|	|	0.08
128.167	0.00	0.03	0.054	O	|	|	|	0.08
128.250	0.00	0.03	0.054	O	|	|	|	0.08
128.333	0.00	0.03	0.054	O	|	|	|	0.08
128.417	0.00	0.03	0.054	O	|	|	|	0.08
128.500	0.00	0.03	0.054	O	|	|	|	0.08
128.583	0.00	0.03	0.053	O	|	|	|	0.08
128.667	0.00	0.03	0.053	O	|	|	|	0.07
128.750	0.00	0.03	0.053	O	|	|	|	0.07

128.833	0.00	0.03	0.053	O	|	|	|	|	0.07
128.917	0.00	0.03	0.053	O	|	|	|	|	0.07
129.000	0.00	0.03	0.052	O	|	|	|	|	0.07
129.083	0.00	0.03	0.052	O	|	|	|	|	0.07
129.167	0.00	0.03	0.052	O	|	|	|	|	0.07
129.250	0.00	0.03	0.052	O	|	|	|	|	0.07
129.333	0.00	0.03	0.052	O	|	|	|	|	0.07
129.417	0.00	0.03	0.052	O	|	|	|	|	0.07
129.500	0.00	0.03	0.051	O	|	|	|	|	0.07
129.583	0.00	0.03	0.051	O	|	|	|	|	0.07
129.667	0.00	0.03	0.051	O	|	|	|	|	0.07
129.750	0.00	0.03	0.051	O	|	|	|	|	0.07
129.833	0.00	0.03	0.051	O	|	|	|	|	0.07
129.917	0.00	0.03	0.050	O	|	|	|	|	0.07
130.000	0.00	0.03	0.050	O	|	|	|	|	0.07
130.083	0.00	0.03	0.050	O	|	|	|	|	0.07
130.167	0.00	0.03	0.050	O	|	|	|	|	0.07
130.250	0.00	0.03	0.050	O	|	|	|	|	0.07
130.333	0.00	0.03	0.050	O	|	|	|	|	0.07
130.417	0.00	0.03	0.049	O	|	|	|	|	0.07
130.500	0.00	0.02	0.049	O	|	|	|	|	0.07
130.583	0.00	0.02	0.049	O	|	|	|	|	0.07
130.667	0.00	0.02	0.049	O	|	|	|	|	0.07
130.750	0.00	0.02	0.049	O	|	|	|	|	0.07
130.833	0.00	0.02	0.049	O	|	|	|	|	0.07
130.917	0.00	0.02	0.048	O	|	|	|	|	0.07
131.000	0.00	0.02	0.048	O	|	|	|	|	0.07
131.083	0.00	0.02	0.048	O	|	|	|	|	0.07
131.167	0.00	0.02	0.048	O	|	|	|	|	0.07
131.250	0.00	0.02	0.048	O	|	|	|	|	0.07
131.333	0.00	0.02	0.048	O	|	|	|	|	0.07
131.417	0.00	0.02	0.047	O	|	|	|	|	0.07
131.500	0.00	0.02	0.047	O	|	|	|	|	0.07
131.583	0.00	0.02	0.047	O	|	|	|	|	0.07
131.667	0.00	0.02	0.047	O	|	|	|	|	0.07
131.750	0.00	0.02	0.047	O	|	|	|	|	0.07
131.833	0.00	0.02	0.047	O	|	|	|	|	0.07
131.917	0.00	0.02	0.046	O	|	|	|	|	0.07
132.000	0.00	0.02	0.046	O	|	|	|	|	0.07
132.083	0.00	0.02	0.046	O	|	|	|	|	0.06
132.167	0.00	0.02	0.046	O	|	|	|	|	0.06
132.250	0.00	0.02	0.046	O	|	|	|	|	0.06
132.333	0.00	0.02	0.046	O	|	|	|	|	0.06
132.417	0.00	0.02	0.045	O	|	|	|	|	0.06
132.500	0.00	0.02	0.045	O	|	|	|	|	0.06
132.583	0.00	0.02	0.045	O	|	|	|	|	0.06
132.667	0.00	0.02	0.045	O	|	|	|	|	0.06
132.750	0.00	0.02	0.045	O	|	|	|	|	0.06
132.833	0.00	0.02	0.045	O	|	|	|	|	0.06
132.917	0.00	0.02	0.044	O	|	|	|	|	0.06
133.000	0.00	0.02	0.044	O	|	|	|	|	0.06
133.083	0.00	0.02	0.044	O	|	|	|	|	0.06
133.167	0.00	0.02	0.044	O	|	|	|	|	0.06
133.250	0.00	0.02	0.044	O	|	|	|	|	0.06
133.333	0.00	0.02	0.044	O	|	|	|	|	0.06
133.417	0.00	0.02	0.044	O	|	|	|	|	0.06
133.500	0.00	0.02	0.043	O	|	|	|	|	0.06
133.583	0.00	0.02	0.043	O	|	|	|	|	0.06
133.667	0.00	0.02	0.043	O	|	|	|	|	0.06
133.750	0.00	0.02	0.043	O	|	|	|	|	0.06
133.833	0.00	0.02	0.043	O	|	|	|	|	0.06
133.917	0.00	0.02	0.043	O	|	|	|	|	0.06
134.000	0.00	0.02	0.043	O	|	|	|	|	0.06
134.083	0.00	0.02	0.042	O	|	|	|	|	0.06
134.167	0.00	0.02	0.042	O	|	|	|	|	0.06
134.250	0.00	0.02	0.042	O	|	|	|	|	0.06
134.333	0.00	0.02	0.042	O	|	|	|	|	0.06

134.417	0.00	0.02	0.042	O	|	|	|	|	0.06
134.500	0.00	0.02	0.042	O	|	|	|	|	0.06
134.583	0.00	0.02	0.041	O	|	|	|	|	0.06
134.667	0.00	0.02	0.041	O	|	|	|	|	0.06
134.750	0.00	0.02	0.041	O	|	|	|	|	0.06
134.833	0.00	0.02	0.041	O	|	|	|	|	0.06
134.917	0.00	0.02	0.041	O	|	|	|	|	0.06
135.000	0.00	0.02	0.041	O	|	|	|	|	0.06
135.083	0.00	0.02	0.041	O	|	|	|	|	0.06
135.167	0.00	0.02	0.040	O	|	|	|	|	0.06
135.250	0.00	0.02	0.040	O	|	|	|	|	0.06
135.333	0.00	0.02	0.040	O	|	|	|	|	0.06
135.417	0.00	0.02	0.040	O	|	|	|	|	0.06
135.500	0.00	0.02	0.040	O	|	|	|	|	0.06
135.583	0.00	0.02	0.040	O	|	|	|	|	0.06
135.667	0.00	0.02	0.040	O	|	|	|	|	0.06
135.750	0.00	0.02	0.040	O	|	|	|	|	0.06
135.833	0.00	0.02	0.039	O	|	|	|	|	0.06
135.917	0.00	0.02	0.039	O	|	|	|	|	0.06
136.000	0.00	0.02	0.039	O	|	|	|	|	0.06
136.083	0.00	0.02	0.039	O	|	|	|	|	0.05
136.167	0.00	0.02	0.039	O	|	|	|	|	0.05
136.250	0.00	0.02	0.039	O	|	|	|	|	0.05
136.333	0.00	0.02	0.039	O	|	|	|	|	0.05
136.417	0.00	0.02	0.038	O	|	|	|	|	0.05
136.500	0.00	0.02	0.038	O	|	|	|	|	0.05
136.583	0.00	0.02	0.038	O	|	|	|	|	0.05
136.667	0.00	0.02	0.038	O	|	|	|	|	0.05
136.750	0.00	0.02	0.038	O	|	|	|	|	0.05
136.833	0.00	0.02	0.038	O	|	|	|	|	0.05
136.917	0.00	0.02	0.038	O	|	|	|	|	0.05
137.000	0.00	0.02	0.038	O	|	|	|	|	0.05
137.083	0.00	0.02	0.037	O	|	|	|	|	0.05
137.167	0.00	0.02	0.037	O	|	|	|	|	0.05
137.250	0.00	0.02	0.037	O	|	|	|	|	0.05
137.333	0.00	0.02	0.037	O	|	|	|	|	0.05
137.417	0.00	0.02	0.037	O	|	|	|	|	0.05
137.500	0.00	0.02	0.037	O	|	|	|	|	0.05
137.583	0.00	0.02	0.037	O	|	|	|	|	0.05
137.667	0.00	0.02	0.036	O	|	|	|	|	0.05
137.750	0.00	0.02	0.036	O	|	|	|	|	0.05
137.833	0.00	0.02	0.036	O	|	|	|	|	0.05
137.917	0.00	0.02	0.036	O	|	|	|	|	0.05
138.000	0.00	0.02	0.036	O	|	|	|	|	0.05
138.083	0.00	0.02	0.036	O	|	|	|	|	0.05
138.167	0.00	0.02	0.036	O	|	|	|	|	0.05
138.250	0.00	0.02	0.036	O	|	|	|	|	0.05
138.333	0.00	0.02	0.035	O	|	|	|	|	0.05
138.417	0.00	0.02	0.035	O	|	|	|	|	0.05
138.500	0.00	0.02	0.035	O	|	|	|	|	0.05
138.583	0.00	0.02	0.035	O	|	|	|	|	0.05
138.667	0.00	0.02	0.035	O	|	|	|	|	0.05
138.750	0.00	0.02	0.035	O	|	|	|	|	0.05
138.833	0.00	0.02	0.035	O	|	|	|	|	0.05
138.917	0.00	0.02	0.035	O	|	|	|	|	0.05
139.000	0.00	0.02	0.034	O	|	|	|	|	0.05
139.083	0.00	0.02	0.034	O	|	|	|	|	0.05
139.167	0.00	0.02	0.034	O	|	|	|	|	0.05
139.250	0.00	0.02	0.034	O	|	|	|	|	0.05
139.333	0.00	0.02	0.034	O	|	|	|	|	0.05
139.417	0.00	0.02	0.034	O	|	|	|	|	0.05
139.500	0.00	0.02	0.034	O	|	|	|	|	0.05
139.583	0.00	0.02	0.034	O	|	|	|	|	0.05
139.667	0.00	0.02	0.034	O	|	|	|	|	0.05
139.750	0.00	0.02	0.033	O	|	|	|	|	0.05
139.833	0.00	0.02	0.033	O	|	|	|	|	0.05
139.917	0.00	0.02	0.033	O	|	|	|	|	0.05

140.000	0.00	0.02	0.033	O	|	|	|	|	0.05
140.083	0.00	0.02	0.033	O	|	|	|	|	0.05
140.167	0.00	0.02	0.033	O	|	|	|	|	0.05
140.250	0.00	0.02	0.033	O	|	|	|	|	0.05
140.333	0.00	0.02	0.033	O	|	|	|	|	0.05
140.417	0.00	0.02	0.032	O	|	|	|	|	0.05
140.500	0.00	0.02	0.032	O	|	|	|	|	0.05
140.583	0.00	0.02	0.032	O	|	|	|	|	0.05
140.667	0.00	0.02	0.032	O	|	|	|	|	0.05
140.750	0.00	0.02	0.032	O	|	|	|	|	0.05
140.833	0.00	0.02	0.032	O	|	|	|	|	0.04
140.917	0.00	0.02	0.032	O	|	|	|	|	0.04
141.000	0.00	0.02	0.032	O	|	|	|	|	0.04
141.083	0.00	0.02	0.032	O	|	|	|	|	0.04
141.167	0.00	0.02	0.031	O	|	|	|	|	0.04
141.250	0.00	0.02	0.031	O	|	|	|	|	0.04
141.333	0.00	0.02	0.031	O	|	|	|	|	0.04
141.417	0.00	0.02	0.031	O	|	|	|	|	0.04
141.500	0.00	0.02	0.031	O	|	|	|	|	0.04
141.583	0.00	0.02	0.031	O	|	|	|	|	0.04
141.667	0.00	0.02	0.031	O	|	|	|	|	0.04
141.750	0.00	0.02	0.031	O	|	|	|	|	0.04
141.833	0.00	0.02	0.031	O	|	|	|	|	0.04
141.917	0.00	0.02	0.031	O	|	|	|	|	0.04
142.000	0.00	0.02	0.030	O	|	|	|	|	0.04
142.083	0.00	0.02	0.030	O	|	|	|	|	0.04
142.167	0.00	0.02	0.030	O	|	|	|	|	0.04
142.250	0.00	0.02	0.030	O	|	|	|	|	0.04
142.333	0.00	0.02	0.030	O	|	|	|	|	0.04
142.417	0.00	0.02	0.030	O	|	|	|	|	0.04
142.500	0.00	0.02	0.030	O	|	|	|	|	0.04
142.583	0.00	0.02	0.030	O	|	|	|	|	0.04
142.667	0.00	0.01	0.030	O	|	|	|	|	0.04
142.750	0.00	0.01	0.029	O	|	|	|	|	0.04
142.833	0.00	0.01	0.029	O	|	|	|	|	0.04
142.917	0.00	0.01	0.029	O	|	|	|	|	0.04
143.000	0.00	0.01	0.029	O	|	|	|	|	0.04
143.083	0.00	0.01	0.029	O	|	|	|	|	0.04
143.167	0.00	0.01	0.029	O	|	|	|	|	0.04
143.250	0.00	0.01	0.029	O	|	|	|	|	0.04
143.333	0.00	0.01	0.029	O	|	|	|	|	0.04
143.417	0.00	0.01	0.029	O	|	|	|	|	0.04
143.500	0.00	0.01	0.029	O	|	|	|	|	0.04
143.583	0.00	0.01	0.028	O	|	|	|	|	0.04
143.667	0.00	0.01	0.028	O	|	|	|	|	0.04
143.750	0.00	0.01	0.028	O	|	|	|	|	0.04
143.833	0.00	0.01	0.028	O	|	|	|	|	0.04
143.917	0.00	0.01	0.028	O	|	|	|	|	0.04
144.000	0.00	0.01	0.028	O	|	|	|	|	0.04
144.083	0.00	0.01	0.028	O	|	|	|	|	0.04
144.167	0.00	0.01	0.028	O	|	|	|	|	0.04
144.250	0.00	0.01	0.028	O	|	|	|	|	0.04
144.333	0.00	0.01	0.028	O	|	|	|	|	0.04
144.417	0.00	0.01	0.027	O	|	|	|	|	0.04
144.500	0.00	0.01	0.027	O	|	|	|	|	0.04
144.583	0.00	0.01	0.027	O	|	|	|	|	0.04
144.667	0.00	0.01	0.027	O	|	|	|	|	0.04
144.750	0.00	0.01	0.027	O	|	|	|	|	0.04
144.833	0.00	0.01	0.027	O	|	|	|	|	0.04
144.917	0.00	0.01	0.027	O	|	|	|	|	0.04
145.000	0.00	0.01	0.027	O	|	|	|	|	0.04
145.083	0.00	0.01	0.027	O	|	|	|	|	0.04
145.167	0.00	0.01	0.027	O	|	|	|	|	0.04
145.250	0.00	0.01	0.027	O	|	|	|	|	0.04
145.333	0.00	0.01	0.026	O	|	|	|	|	0.04
145.417	0.00	0.01	0.026	O	|	|	|	|	0.04
145.500	0.00	0.01	0.026	O	|	|	|	|	0.04

145.583	0.00	0.01	0.026	O	|	|	|	|	0.04
145.667	0.00	0.01	0.026	O	|	|	|	|	0.04
145.750	0.00	0.01	0.026	O	|	|	|	|	0.04
145.833	0.00	0.01	0.026	O	|	|	|	|	0.04
145.917	0.00	0.01	0.026	O	|	|	|	|	0.04
146.000	0.00	0.01	0.026	O	|	|	|	|	0.04
146.083	0.00	0.01	0.026	O	|	|	|	|	0.04
146.167	0.00	0.01	0.026	O	|	|	|	|	0.04
146.250	0.00	0.01	0.025	O	|	|	|	|	0.04
146.333	0.00	0.01	0.025	O	|	|	|	|	0.04
146.417	0.00	0.01	0.025	O	|	|	|	|	0.04
146.500	0.00	0.01	0.025	O	|	|	|	|	0.04
146.583	0.00	0.01	0.025	O	|	|	|	|	0.04
146.667	0.00	0.01	0.025	O	|	|	|	|	0.04
146.750	0.00	0.01	0.025	O	|	|	|	|	0.04
146.833	0.00	0.01	0.025	O	|	|	|	|	0.03
146.917	0.00	0.01	0.025	O	|	|	|	|	0.03
147.000	0.00	0.01	0.025	O	|	|	|	|	0.03
147.083	0.00	0.01	0.025	O	|	|	|	|	0.03
147.167	0.00	0.01	0.024	O	|	|	|	|	0.03
147.250	0.00	0.01	0.024	O	|	|	|	|	0.03
147.333	0.00	0.01	0.024	O	|	|	|	|	0.03
147.417	0.00	0.01	0.024	O	|	|	|	|	0.03
147.500	0.00	0.01	0.024	O	|	|	|	|	0.03
147.583	0.00	0.01	0.024	O	|	|	|	|	0.03
147.667	0.00	0.01	0.024	O	|	|	|	|	0.03
147.750	0.00	0.01	0.024	O	|	|	|	|	0.03
147.833	0.00	0.01	0.024	O	|	|	|	|	0.03
147.917	0.00	0.01	0.024	O	|	|	|	|	0.03
148.000	0.00	0.01	0.024	O	|	|	|	|	0.03
148.083	0.00	0.01	0.024	O	|	|	|	|	0.03
148.167	0.00	0.01	0.023	O	|	|	|	|	0.03
148.250	0.00	0.01	0.023	O	|	|	|	|	0.03
148.333	0.00	0.01	0.023	O	|	|	|	|	0.03
148.417	0.00	0.01	0.023	O	|	|	|	|	0.03
148.500	0.00	0.01	0.023	O	|	|	|	|	0.03
148.583	0.00	0.01	0.023	O	|	|	|	|	0.03
148.667	0.00	0.01	0.023	O	|	|	|	|	0.03
148.750	0.00	0.01	0.023	O	|	|	|	|	0.03
148.833	0.00	0.01	0.023	O	|	|	|	|	0.03
148.917	0.00	0.01	0.023	O	|	|	|	|	0.03
149.000	0.00	0.01	0.023	O	|	|	|	|	0.03
149.083	0.00	0.01	0.023	O	|	|	|	|	0.03
149.167	0.00	0.01	0.023	O	|	|	|	|	0.03
149.250	0.00	0.01	0.022	O	|	|	|	|	0.03
149.333	0.00	0.01	0.022	O	|	|	|	|	0.03
149.417	0.00	0.01	0.022	O	|	|	|	|	0.03
149.500	0.00	0.01	0.022	O	|	|	|	|	0.03
149.583	0.00	0.01	0.022	O	|	|	|	|	0.03
149.667	0.00	0.01	0.022	O	|	|	|	|	0.03
149.750	0.00	0.01	0.022	O	|	|	|	|	0.03
149.833	0.00	0.01	0.022	O	|	|	|	|	0.03
149.917	0.00	0.01	0.022	O	|	|	|	|	0.03
150.000	0.00	0.01	0.022	O	|	|	|	|	0.03
150.083	0.00	0.01	0.022	O	|	|	|	|	0.03
150.167	0.00	0.01	0.022	O	|	|	|	|	0.03
150.250	0.00	0.01	0.022	O	|	|	|	|	0.03
150.333	0.00	0.01	0.021	O	|	|	|	|	0.03
150.417	0.00	0.01	0.021	O	|	|	|	|	0.03
150.500	0.00	0.01	0.021	O	|	|	|	|	0.03
150.583	0.00	0.01	0.021	O	|	|	|	|	0.03
150.667	0.00	0.01	0.021	O	|	|	|	|	0.03
150.750	0.00	0.01	0.021	O	|	|	|	|	0.03
150.833	0.00	0.01	0.021	O	|	|	|	|	0.03
150.917	0.00	0.01	0.021	O	|	|	|	|	0.03
151.000	0.00	0.01	0.021	O	|	|	|	|	0.03
151.083	0.00	0.01	0.021	O	|	|	|	|	0.03

151.167	0.00	0.01	0.021	O	|	|	|	|	0.03
151.250	0.00	0.01	0.021	O	|	|	|	|	0.03
151.333	0.00	0.01	0.021	O	|	|	|	|	0.03
151.417	0.00	0.01	0.020	O	|	|	|	|	0.03
151.500	0.00	0.01	0.020	O	|	|	|	|	0.03
151.583	0.00	0.01	0.020	O	|	|	|	|	0.03
151.667	0.00	0.01	0.020	O	|	|	|	|	0.03
151.750	0.00	0.01	0.020	O	|	|	|	|	0.03
151.833	0.00	0.01	0.020	O	|	|	|	|	0.03
151.917	0.00	0.01	0.020	O	|	|	|	|	0.03
152.000	0.00	0.01	0.020	O	|	|	|	|	0.03
152.083	0.00	0.01	0.020	O	|	|	|	|	0.03
152.167	0.00	0.01	0.020	O	|	|	|	|	0.03
152.250	0.00	0.01	0.020	O	|	|	|	|	0.03
152.333	0.00	0.01	0.020	O	|	|	|	|	0.03
152.417	0.00	0.01	0.020	O	|	|	|	|	0.03
152.500	0.00	0.01	0.020	O	|	|	|	|	0.03
152.583	0.00	0.01	0.020	O	|	|	|	|	0.03
152.667	0.00	0.01	0.019	O	|	|	|	|	0.03
152.750	0.00	0.01	0.019	O	|	|	|	|	0.03
152.833	0.00	0.01	0.019	O	|	|	|	|	0.03
152.917	0.00	0.01	0.019	O	|	|	|	|	0.03
153.000	0.00	0.01	0.019	O	|	|	|	|	0.03
153.083	0.00	0.01	0.019	O	|	|	|	|	0.03
153.167	0.00	0.01	0.019	O	|	|	|	|	0.03
153.250	0.00	0.01	0.019	O	|	|	|	|	0.03
153.333	0.00	0.01	0.019	O	|	|	|	|	0.03
153.417	0.00	0.01	0.019	O	|	|	|	|	0.03
153.500	0.00	0.01	0.019	O	|	|	|	|	0.03
153.583	0.00	0.01	0.019	O	|	|	|	|	0.03
153.667	0.00	0.01	0.019	O	|	|	|	|	0.03
153.750	0.00	0.01	0.019	O	|	|	|	|	0.03
153.833	0.00	0.01	0.019	O	|	|	|	|	0.03
153.917	0.00	0.01	0.018	O	|	|	|	|	0.03
154.000	0.00	0.01	0.018	O	|	|	|	|	0.03
154.083	0.00	0.01	0.018	O	|	|	|	|	0.03
154.167	0.00	0.01	0.018	O	|	|	|	|	0.03
154.250	0.00	0.01	0.018	O	|	|	|	|	0.03
154.333	0.00	0.01	0.018	O	|	|	|	|	0.03
154.417	0.00	0.01	0.018	O	|	|	|	|	0.03
154.500	0.00	0.01	0.018	O	|	|	|	|	0.03
154.583	0.00	0.01	0.018	O	|	|	|	|	0.03
154.667	0.00	0.01	0.018	O	|	|	|	|	0.03
154.750	0.00	0.01	0.018	O	|	|	|	|	0.03
154.833	0.00	0.01	0.018	O	|	|	|	|	0.03
154.917	0.00	0.01	0.018	O	|	|	|	|	0.02
155.000	0.00	0.01	0.018	O	|	|	|	|	0.02
155.083	0.00	0.01	0.018	O	|	|	|	|	0.02
155.167	0.00	0.01	0.018	O	|	|	|	|	0.02
155.250	0.00	0.01	0.017	O	|	|	|	|	0.02
155.333	0.00	0.01	0.017	O	|	|	|	|	0.02
155.417	0.00	0.01	0.017	O	|	|	|	|	0.02
155.500	0.00	0.01	0.017	O	|	|	|	|	0.02
155.583	0.00	0.01	0.017	O	|	|	|	|	0.02
155.667	0.00	0.01	0.017	O	|	|	|	|	0.02
155.750	0.00	0.01	0.017	O	|	|	|	|	0.02
155.833	0.00	0.01	0.017	O	|	|	|	|	0.02
155.917	0.00	0.01	0.017	O	|	|	|	|	0.02
156.000	0.00	0.01	0.017	O	|	|	|	|	0.02
156.083	0.00	0.01	0.017	O	|	|	|	|	0.02
156.167	0.00	0.01	0.017	O	|	|	|	|	0.02
156.250	0.00	0.01	0.017	O	|	|	|	|	0.02
156.333	0.00	0.01	0.017	O	|	|	|	|	0.02
156.417	0.00	0.01	0.017	O	|	|	|	|	0.02
156.500	0.00	0.01	0.017	O	|	|	|	|	0.02
156.583	0.00	0.01	0.017	O	|	|	|	|	0.02
156.667	0.00	0.01	0.016	O	|	|	|	|	0.02

156.750	0.00	0.01	0.016	O	|	|	|	0.02
156.833	0.00	0.01	0.016	O	|	|	|	0.02
156.917	0.00	0.01	0.016	O	|	|	|	0.02
157.000	0.00	0.01	0.016	O	|	|	|	0.02
157.083	0.00	0.01	0.016	O	|	|	|	0.02
157.167	0.00	0.01	0.016	O	|	|	|	0.02
157.250	0.00	0.01	0.016	O	|	|	|	0.02
157.333	0.00	0.01	0.016	O	|	|	|	0.02
157.417	0.00	0.01	0.016	O	|	|	|	0.02
157.500	0.00	0.01	0.016	O	|	|	|	0.02
157.583	0.00	0.01	0.016	O	|	|	|	0.02
157.667	0.00	0.01	0.016	O	|	|	|	0.02
157.750	0.00	0.01	0.016	O	|	|	|	0.02
157.833	0.00	0.01	0.016	O	|	|	|	0.02
157.917	0.00	0.01	0.016	O	|	|	|	0.02
158.000	0.00	0.01	0.016	O	|	|	|	0.02
158.083	0.00	0.01	0.016	O	|	|	|	0.02
158.167	0.00	0.01	0.015	O	|	|	|	0.02
158.250	0.00	0.01	0.015	O	|	|	|	0.02
158.333	0.00	0.01	0.015	O	|	|	|	0.02
158.417	0.00	0.01	0.015	O	|	|	|	0.02
158.500	0.00	0.01	0.015	O	|	|	|	0.02
158.583	0.00	0.01	0.015	O	|	|	|	0.02
158.667	0.00	0.01	0.015	O	|	|	|	0.02
158.750	0.00	0.01	0.015	O	|	|	|	0.02
158.833	0.00	0.01	0.015	O	|	|	|	0.02
158.917	0.00	0.01	0.015	O	|	|	|	0.02
159.000	0.00	0.01	0.015	O	|	|	|	0.02
159.083	0.00	0.01	0.015	O	|	|	|	0.02
159.167	0.00	0.01	0.015	O	|	|	|	0.02
159.250	0.00	0.01	0.015	O	|	|	|	0.02
159.333	0.00	0.01	0.015	O	|	|	|	0.02
159.417	0.00	0.01	0.015	O	|	|	|	0.02
159.500	0.00	0.01	0.015	O	|	|	|	0.02
159.583	0.00	0.01	0.015	O	|	|	|	0.02
159.667	0.00	0.01	0.015	O	|	|	|	0.02
159.750	0.00	0.01	0.014	O	|	|	|	0.02
159.833	0.00	0.01	0.014	O	|	|	|	0.02
159.917	0.00	0.01	0.014	O	|	|	|	0.02
160.000	0.00	0.01	0.014	O	|	|	|	0.02
160.083	0.00	0.01	0.014	O	|	|	|	0.02
160.167	0.00	0.01	0.014	O	|	|	|	0.02
160.250	0.00	0.01	0.014	O	|	|	|	0.02
160.333	0.00	0.01	0.014	O	|	|	|	0.02
160.417	0.00	0.01	0.014	O	|	|	|	0.02
160.500	0.00	0.01	0.014	O	|	|	|	0.02
160.583	0.00	0.01	0.014	O	|	|	|	0.02
160.667	0.00	0.01	0.014	O	|	|	|	0.02
160.750	0.00	0.01	0.014	O	|	|	|	0.02
160.833	0.00	0.01	0.014	O	|	|	|	0.02
160.917	0.00	0.01	0.014	O	|	|	|	0.02
161.000	0.00	0.01	0.014	O	|	|	|	0.02
161.083	0.00	0.01	0.014	O	|	|	|	0.02
161.167	0.00	0.01	0.014	O	|	|	|	0.02
161.250	0.00	0.01	0.014	O	|	|	|	0.02
161.333	0.00	0.01	0.014	O	|	|	|	0.02
161.417	0.00	0.01	0.013	O	|	|	|	0.02
161.500	0.00	0.01	0.013	O	|	|	|	0.02
161.583	0.00	0.01	0.013	O	|	|	|	0.02
161.667	0.00	0.01	0.013	O	|	|	|	0.02
161.750	0.00	0.01	0.013	O	|	|	|	0.02
161.833	0.00	0.01	0.013	O	|	|	|	0.02
161.917	0.00	0.01	0.013	O	|	|	|	0.02
162.000	0.00	0.01	0.013	O	|	|	|	0.02
162.083	0.00	0.01	0.013	O	|	|	|	0.02
162.167	0.00	0.01	0.013	O	|	|	|	0.02
162.250	0.00	0.01	0.013	O	|	|	|	0.02

162.333	0.00	0.01	0.013	O	|	|	|	|	0.02
162.417	0.00	0.01	0.013	O	|	|	|	|	0.02
162.500	0.00	0.01	0.013	O	|	|	|	|	0.02
162.583	0.00	0.01	0.013	O	|	|	|	|	0.02
162.667	0.00	0.01	0.013	O	|	|	|	|	0.02
162.750	0.00	0.01	0.013	O	|	|	|	|	0.02
162.833	0.00	0.01	0.013	O	|	|	|	|	0.02
162.917	0.00	0.01	0.013	O	|	|	|	|	0.02
163.000	0.00	0.01	0.013	O	|	|	|	|	0.02
163.083	0.00	0.01	0.013	O	|	|	|	|	0.02
163.167	0.00	0.01	0.013	O	|	|	|	|	0.02
163.250	0.00	0.01	0.012	O	|	|	|	|	0.02
163.333	0.00	0.01	0.012	O	|	|	|	|	0.02
163.417	0.00	0.01	0.012	O	|	|	|	|	0.02
163.500	0.00	0.01	0.012	O	|	|	|	|	0.02
163.583	0.00	0.01	0.012	O	|	|	|	|	0.02
163.667	0.00	0.01	0.012	O	|	|	|	|	0.02
163.750	0.00	0.01	0.012	O	|	|	|	|	0.02
163.833	0.00	0.01	0.012	O	|	|	|	|	0.02
163.917	0.00	0.01	0.012	O	|	|	|	|	0.02
164.000	0.00	0.01	0.012	O	|	|	|	|	0.02
164.083	0.00	0.01	0.012	O	|	|	|	|	0.02
164.167	0.00	0.01	0.012	O	|	|	|	|	0.02
164.250	0.00	0.01	0.012	O	|	|	|	|	0.02
164.333	0.00	0.01	0.012	O	|	|	|	|	0.02
164.417	0.00	0.01	0.012	O	|	|	|	|	0.02
164.500	0.00	0.01	0.012	O	|	|	|	|	0.02
164.583	0.00	0.01	0.012	O	|	|	|	|	0.02
164.667	0.00	0.01	0.012	O	|	|	|	|	0.02
164.750	0.00	0.01	0.012	O	|	|	|	|	0.02
164.833	0.00	0.01	0.012	O	|	|	|	|	0.02
164.917	0.00	0.01	0.012	O	|	|	|	|	0.02
165.000	0.00	0.01	0.012	O	|	|	|	|	0.02
165.083	0.00	0.01	0.012	O	|	|	|	|	0.02
165.167	0.00	0.01	0.012	O	|	|	|	|	0.02
165.250	0.00	0.01	0.011	O	|	|	|	|	0.02
165.333	0.00	0.01	0.011	O	|	|	|	|	0.02
165.417	0.00	0.01	0.011	O	|	|	|	|	0.02
165.500	0.00	0.01	0.011	O	|	|	|	|	0.02
165.583	0.00	0.01	0.011	O	|	|	|	|	0.02
165.667	0.00	0.01	0.011	O	|	|	|	|	0.02
165.750	0.00	0.01	0.011	O	|	|	|	|	0.02
165.833	0.00	0.01	0.011	O	|	|	|	|	0.02
165.917	0.00	0.01	0.011	O	|	|	|	|	0.02
166.000	0.00	0.01	0.011	O	|	|	|	|	0.02
166.083	0.00	0.01	0.011	O	|	|	|	|	0.02
166.167	0.00	0.01	0.011	O	|	|	|	|	0.02
166.250	0.00	0.01	0.011	O	|	|	|	|	0.02
166.333	0.00	0.01	0.011	O	|	|	|	|	0.02
166.417	0.00	0.01	0.011	O	|	|	|	|	0.02
166.500	0.00	0.01	0.011	O	|	|	|	|	0.02
166.583	0.00	0.01	0.011	O	|	|	|	|	0.02
166.667	0.00	0.01	0.011	O	|	|	|	|	0.02
166.750	0.00	0.01	0.011	O	|	|	|	|	0.02
166.833	0.00	0.01	0.011	O	|	|	|	|	0.02
166.917	0.00	0.01	0.011	O	|	|	|	|	0.02
167.000	0.00	0.01	0.011	O	|	|	|	|	0.02
167.083	0.00	0.01	0.011	O	|	|	|	|	0.01
167.167	0.00	0.01	0.011	O	|	|	|	|	0.01
167.250	0.00	0.01	0.011	O	|	|	|	|	0.01
167.333	0.00	0.01	0.011	O	|	|	|	|	0.01
167.417	0.00	0.01	0.010	O	|	|	|	|	0.01
167.500	0.00	0.01	0.010	O	|	|	|	|	0.01
167.583	0.00	0.01	0.010	O	|	|	|	|	0.01
167.667	0.00	0.01	0.010	O	|	|	|	|	0.01
167.750	0.00	0.01	0.010	O	|	|	|	|	0.01
167.833	0.00	0.01	0.010	O	|	|	|	|	0.01

167.917	0.00	0.01	0.010	O	|	|	|	|	0.01
168.000	0.00	0.01	0.010	O	|	|	|	|	0.01
168.083	0.00	0.01	0.010	O	|	|	|	|	0.01
168.167	0.00	0.01	0.010	O	|	|	|	|	0.01
168.250	0.00	0.01	0.010	O	|	|	|	|	0.01
168.333	0.00	0.01	0.010	O	|	|	|	|	0.01
168.417	0.00	0.01	0.010	O	|	|	|	|	0.01
168.500	0.00	0.01	0.010	O	|	|	|	|	0.01
168.583	0.00	0.01	0.010	O	|	|	|	|	0.01
168.667	0.00	0.01	0.010	O	|	|	|	|	0.01
168.750	0.00	0.01	0.010	O	|	|	|	|	0.01
168.833	0.00	0.01	0.010	O	|	|	|	|	0.01
168.917	0.00	0.00	0.010	O	|	|	|	|	0.01
169.000	0.00	0.00	0.010	O	|	|	|	|	0.01
169.083	0.00	0.00	0.010	O	|	|	|	|	0.01
169.167	0.00	0.00	0.010	O	|	|	|	|	0.01
169.250	0.00	0.00	0.010	O	|	|	|	|	0.01
169.333	0.00	0.00	0.010	O	|	|	|	|	0.01
169.417	0.00	0.00	0.010	O	|	|	|	|	0.01
169.500	0.00	0.00	0.010	O	|	|	|	|	0.01
169.583	0.00	0.00	0.010	O	|	|	|	|	0.01
169.667	0.00	0.00	0.010	O	|	|	|	|	0.01
169.750	0.00	0.00	0.010	O	|	|	|	|	0.01
169.833	0.00	0.00	0.009	O	|	|	|	|	0.01
169.917	0.00	0.00	0.009	O	|	|	|	|	0.01
170.000	0.00	0.00	0.009	O	|	|	|	|	0.01
170.083	0.00	0.00	0.009	O	|	|	|	|	0.01
170.167	0.00	0.00	0.009	O	|	|	|	|	0.01
170.250	0.00	0.00	0.009	O	|	|	|	|	0.01
170.333	0.00	0.00	0.009	O	|	|	|	|	0.01
170.417	0.00	0.00	0.009	O	|	|	|	|	0.01
170.500	0.00	0.00	0.009	O	|	|	|	|	0.01
170.583	0.00	0.00	0.009	O	|	|	|	|	0.01
170.667	0.00	0.00	0.009	O	|	|	|	|	0.01
170.750	0.00	0.00	0.009	O	|	|	|	|	0.01
170.833	0.00	0.00	0.009	O	|	|	|	|	0.01
170.917	0.00	0.00	0.009	O	|	|	|	|	0.01
171.000	0.00	0.00	0.009	O	|	|	|	|	0.01
171.083	0.00	0.00	0.009	O	|	|	|	|	0.01
171.167	0.00	0.00	0.009	O	|	|	|	|	0.01
171.250	0.00	0.00	0.009	O	|	|	|	|	0.01
171.333	0.00	0.00	0.009	O	|	|	|	|	0.01
171.417	0.00	0.00	0.009	O	|	|	|	|	0.01
171.500	0.00	0.00	0.009	O	|	|	|	|	0.01
171.583	0.00	0.00	0.009	O	|	|	|	|	0.01
171.667	0.00	0.00	0.009	O	|	|	|	|	0.01
171.750	0.00	0.00	0.009	O	|	|	|	|	0.01
171.833	0.00	0.00	0.009	O	|	|	|	|	0.01
171.917	0.00	0.00	0.009	O	|	|	|	|	0.01
172.000	0.00	0.00	0.009	O	|	|	|	|	0.01
172.083	0.00	0.00	0.009	O	|	|	|	|	0.01
172.167	0.00	0.00	0.009	O	|	|	|	|	0.01
172.250	0.00	0.00	0.009	O	|	|	|	|	0.01
172.333	0.00	0.00	0.009	O	|	|	|	|	0.01
172.417	0.00	0.00	0.009	O	|	|	|	|	0.01
172.500	0.00	0.00	0.008	O	|	|	|	|	0.01
172.583	0.00	0.00	0.008	O	|	|	|	|	0.01
172.667	0.00	0.00	0.008	O	|	|	|	|	0.01
172.750	0.00	0.00	0.008	O	|	|	|	|	0.01
172.833	0.00	0.00	0.008	O	|	|	|	|	0.01
172.917	0.00	0.00	0.008	O	|	|	|	|	0.01
173.000	0.00	0.00	0.008	O	|	|	|	|	0.01
173.083	0.00	0.00	0.008	O	|	|	|	|	0.01
173.167	0.00	0.00	0.008	O	|	|	|	|	0.01
173.250	0.00	0.00	0.008	O	|	|	|	|	0.01
173.333	0.00	0.00	0.008	O	|	|	|	|	0.01
173.417	0.00	0.00	0.008	O	|	|	|	|	0.01

173.500	0.00	0.00	0.008	O	|	|	|	|	0.01
173.583	0.00	0.00	0.008	O	|	|	|	|	0.01
173.667	0.00	0.00	0.008	O	|	|	|	|	0.01
173.750	0.00	0.00	0.008	O	|	|	|	|	0.01
173.833	0.00	0.00	0.008	O	|	|	|	|	0.01
173.917	0.00	0.00	0.008	O	|	|	|	|	0.01
174.000	0.00	0.00	0.008	O	|	|	|	|	0.01
174.083	0.00	0.00	0.008	O	|	|	|	|	0.01
174.167	0.00	0.00	0.008	O	|	|	|	|	0.01
174.250	0.00	0.00	0.008	O	|	|	|	|	0.01
174.333	0.00	0.00	0.008	O	|	|	|	|	0.01
174.417	0.00	0.00	0.008	O	|	|	|	|	0.01
174.500	0.00	0.00	0.008	O	|	|	|	|	0.01
174.583	0.00	0.00	0.008	O	|	|	|	|	0.01
174.667	0.00	0.00	0.008	O	|	|	|	|	0.01
174.750	0.00	0.00	0.008	O	|	|	|	|	0.01
174.833	0.00	0.00	0.008	O	|	|	|	|	0.01
174.917	0.00	0.00	0.008	O	|	|	|	|	0.01
175.000	0.00	0.00	0.008	O	|	|	|	|	0.01
175.083	0.00	0.00	0.008	O	|	|	|	|	0.01
175.167	0.00	0.00	0.008	O	|	|	|	|	0.01
175.250	0.00	0.00	0.008	O	|	|	|	|	0.01
175.333	0.00	0.00	0.008	O	|	|	|	|	0.01
175.417	0.00	0.00	0.007	O	|	|	|	|	0.01
175.500	0.00	0.00	0.007	O	|	|	|	|	0.01
175.583	0.00	0.00	0.007	O	|	|	|	|	0.01
175.667	0.00	0.00	0.007	O	|	|	|	|	0.01
175.750	0.00	0.00	0.007	O	|	|	|	|	0.01
175.833	0.00	0.00	0.007	O	|	|	|	|	0.01
175.917	0.00	0.00	0.007	O	|	|	|	|	0.01
176.000	0.00	0.00	0.007	O	|	|	|	|	0.01
176.083	0.00	0.00	0.007	O	|	|	|	|	0.01
176.167	0.00	0.00	0.007	O	|	|	|	|	0.01
176.250	0.00	0.00	0.007	O	|	|	|	|	0.01
176.333	0.00	0.00	0.007	O	|	|	|	|	0.01
176.417	0.00	0.00	0.007	O	|	|	|	|	0.01
176.500	0.00	0.00	0.007	O	|	|	|	|	0.01
176.583	0.00	0.00	0.007	O	|	|	|	|	0.01
176.667	0.00	0.00	0.007	O	|	|	|	|	0.01
176.750	0.00	0.00	0.007	O	|	|	|	|	0.01
176.833	0.00	0.00	0.007	O	|	|	|	|	0.01
176.917	0.00	0.00	0.007	O	|	|	|	|	0.01
177.000	0.00	0.00	0.007	O	|	|	|	|	0.01
177.083	0.00	0.00	0.007	O	|	|	|	|	0.01
177.167	0.00	0.00	0.007	O	|	|	|	|	0.01
177.250	0.00	0.00	0.007	O	|	|	|	|	0.01
177.333	0.00	0.00	0.007	O	|	|	|	|	0.01
177.417	0.00	0.00	0.007	O	|	|	|	|	0.01
177.500	0.00	0.00	0.007	O	|	|	|	|	0.01
177.583	0.00	0.00	0.007	O	|	|	|	|	0.01
177.667	0.00	0.00	0.007	O	|	|	|	|	0.01
177.750	0.00	0.00	0.007	O	|	|	|	|	0.01
177.833	0.00	0.00	0.007	O	|	|	|	|	0.01
177.917	0.00	0.00	0.007	O	|	|	|	|	0.01
178.000	0.00	0.00	0.007	O	|	|	|	|	0.01
178.083	0.00	0.00	0.007	O	|	|	|	|	0.01
178.167	0.00	0.00	0.007	O	|	|	|	|	0.01
178.250	0.00	0.00	0.007	O	|	|	|	|	0.01
178.333	0.00	0.00	0.007	O	|	|	|	|	0.01
178.417	0.00	0.00	0.007	O	|	|	|	|	0.01
178.500	0.00	0.00	0.007	O	|	|	|	|	0.01
178.583	0.00	0.00	0.007	O	|	|	|	|	0.01
178.667	0.00	0.00	0.007	O	|	|	|	|	0.01
178.750	0.00	0.00	0.007	O	|	|	|	|	0.01
178.833	0.00	0.00	0.006	O	|	|	|	|	0.01
178.917	0.00	0.00	0.006	O	|	|	|	|	0.01
179.000	0.00	0.00	0.006	O	|	|	|	|	0.01

179.083	0.00	0.00	0.006	O	|	|	|	0.01
179.167	0.00	0.00	0.006	O	|	|	|	0.01
179.250	0.00	0.00	0.006	O	|	|	|	0.01
179.333	0.00	0.00	0.006	O	|	|	|	0.01
179.417	0.00	0.00	0.006	O	|	|	|	0.01
179.500	0.00	0.00	0.006	O	|	|	|	0.01
179.583	0.00	0.00	0.006	O	|	|	|	0.01
179.667	0.00	0.00	0.006	O	|	|	|	0.01
179.750	0.00	0.00	0.006	O	|	|	|	0.01
179.833	0.00	0.00	0.006	O	|	|	|	0.01
179.917	0.00	0.00	0.006	O	|	|	|	0.01
180.000	0.00	0.00	0.006	O	|	|	|	0.01
180.083	0.00	0.00	0.006	O	|	|	|	0.01
180.167	0.00	0.00	0.006	O	|	|	|	0.01
180.250	0.00	0.00	0.006	O	|	|	|	0.01
180.333	0.00	0.00	0.006	O	|	|	|	0.01
180.417	0.00	0.00	0.006	O	|	|	|	0.01
180.500	0.00	0.00	0.006	O	|	|	|	0.01
180.583	0.00	0.00	0.006	O	|	|	|	0.01
180.667	0.00	0.00	0.006	O	|	|	|	0.01
180.750	0.00	0.00	0.006	O	|	|	|	0.01
180.833	0.00	0.00	0.006	O	|	|	|	0.01
180.917	0.00	0.00	0.006	O	|	|	|	0.01
181.000	0.00	0.00	0.006	O	|	|	|	0.01
181.083	0.00	0.00	0.006	O	|	|	|	0.01
181.167	0.00	0.00	0.006	O	|	|	|	0.01
181.250	0.00	0.00	0.006	O	|	|	|	0.01
181.333	0.00	0.00	0.006	O	|	|	|	0.01
181.417	0.00	0.00	0.006	O	|	|	|	0.01
181.500	0.00	0.00	0.006	O	|	|	|	0.01
181.583	0.00	0.00	0.006	O	|	|	|	0.01
181.667	0.00	0.00	0.006	O	|	|	|	0.01
181.750	0.00	0.00	0.006	O	|	|	|	0.01
181.833	0.00	0.00	0.006	O	|	|	|	0.01
181.917	0.00	0.00	0.006	O	|	|	|	0.01
182.000	0.00	0.00	0.006	O	|	|	|	0.01
182.083	0.00	0.00	0.006	O	|	|	|	0.01
182.167	0.00	0.00	0.006	O	|	|	|	0.01
182.250	0.00	0.00	0.006	O	|	|	|	0.01
182.333	0.00	0.00	0.006	O	|	|	|	0.01
182.417	0.00	0.00	0.006	O	|	|	|	0.01
182.500	0.00	0.00	0.006	O	|	|	|	0.01
182.583	0.00	0.00	0.006	O	|	|	|	0.01
182.667	0.00	0.00	0.006	O	|	|	|	0.01
182.750	0.00	0.00	0.006	O	|	|	|	0.01
182.833	0.00	0.00	0.005	O	|	|	|	0.01
182.917	0.00	0.00	0.005	O	|	|	|	0.01
183.000	0.00	0.00	0.005	O	|	|	|	0.01
183.083	0.00	0.00	0.005	O	|	|	|	0.01
183.167	0.00	0.00	0.005	O	|	|	|	0.01
183.250	0.00	0.00	0.005	O	|	|	|	0.01
183.333	0.00	0.00	0.005	O	|	|	|	0.01
183.417	0.00	0.00	0.005	O	|	|	|	0.01
183.500	0.00	0.00	0.005	O	|	|	|	0.01
183.583	0.00	0.00	0.005	O	|	|	|	0.01
183.667	0.00	0.00	0.005	O	|	|	|	0.01
183.750	0.00	0.00	0.005	O	|	|	|	0.01
183.833	0.00	0.00	0.005	O	|	|	|	0.01
183.917	0.00	0.00	0.005	O	|	|	|	0.01
184.000	0.00	0.00	0.005	O	|	|	|	0.01
184.083	0.00	0.00	0.005	O	|	|	|	0.01
184.167	0.00	0.00	0.005	O	|	|	|	0.01
184.250	0.00	0.00	0.005	O	|	|	|	0.01
184.333	0.00	0.00	0.005	O	|	|	|	0.01
184.417	0.00	0.00	0.005	O	|	|	|	0.01
184.500	0.00	0.00	0.005	O	|	|	|	0.01
184.583	0.00	0.00	0.005	O	|	|	|	0.01

184.667	0.00	0.00	0.005	O	|	|	|	|	0.01
184.750	0.00	0.00	0.005	O	|	|	|	|	0.01
184.833	0.00	0.00	0.005	O	|	|	|	|	0.01
184.917	0.00	0.00	0.005	O	|	|	|	|	0.01
185.000	0.00	0.00	0.005	O	|	|	|	|	0.01
185.083	0.00	0.00	0.005	O	|	|	|	|	0.01
185.167	0.00	0.00	0.005	O	|	|	|	|	0.01
185.250	0.00	0.00	0.005	O	|	|	|	|	0.01
185.333	0.00	0.00	0.005	O	|	|	|	|	0.01
185.417	0.00	0.00	0.005	O	|	|	|	|	0.01
185.500	0.00	0.00	0.005	O	|	|	|	|	0.01
185.583	0.00	0.00	0.005	O	|	|	|	|	0.01
185.667	0.00	0.00	0.005	O	|	|	|	|	0.01
185.750	0.00	0.00	0.005	O	|	|	|	|	0.01
185.833	0.00	0.00	0.005	O	|	|	|	|	0.01
185.917	0.00	0.00	0.005	O	|	|	|	|	0.01
186.000	0.00	0.00	0.005	O	|	|	|	|	0.01
186.083	0.00	0.00	0.005	O	|	|	|	|	0.01
186.167	0.00	0.00	0.005	O	|	|	|	|	0.01
186.250	0.00	0.00	0.005	O	|	|	|	|	0.01
186.333	0.00	0.00	0.005	O	|	|	|	|	0.01
186.417	0.00	0.00	0.005	O	|	|	|	|	0.01
186.500	0.00	0.00	0.005	O	|	|	|	|	0.01
186.583	0.00	0.00	0.005	O	|	|	|	|	0.01
186.667	0.00	0.00	0.005	O	|	|	|	|	0.01
186.750	0.00	0.00	0.005	O	|	|	|	|	0.01
186.833	0.00	0.00	0.005	O	|	|	|	|	0.01
186.917	0.00	0.00	0.005	O	|	|	|	|	0.01
187.000	0.00	0.00	0.005	O	|	|	|	|	0.01
187.083	0.00	0.00	0.005	O	|	|	|	|	0.01
187.167	0.00	0.00	0.005	O	|	|	|	|	0.01
187.250	0.00	0.00	0.005	O	|	|	|	|	0.01
187.333	0.00	0.00	0.005	O	|	|	|	|	0.01
187.417	0.00	0.00	0.005	O	|	|	|	|	0.01
187.500	0.00	0.00	0.005	O	|	|	|	|	0.01
187.583	0.00	0.00	0.005	O	|	|	|	|	0.01
187.667	0.00	0.00	0.004	O	|	|	|	|	0.01
187.750	0.00	0.00	0.004	O	|	|	|	|	0.01
187.833	0.00	0.00	0.004	O	|	|	|	|	0.01
187.917	0.00	0.00	0.004	O	|	|	|	|	0.01
188.000	0.00	0.00	0.004	O	|	|	|	|	0.01
188.083	0.00	0.00	0.004	O	|	|	|	|	0.01
188.167	0.00	0.00	0.004	O	|	|	|	|	0.01
188.250	0.00	0.00	0.004	O	|	|	|	|	0.01
188.333	0.00	0.00	0.004	O	|	|	|	|	0.01
188.417	0.00	0.00	0.004	O	|	|	|	|	0.01
188.500	0.00	0.00	0.004	O	|	|	|	|	0.01
188.583	0.00	0.00	0.004	O	|	|	|	|	0.01
188.667	0.00	0.00	0.004	O	|	|	|	|	0.01
188.750	0.00	0.00	0.004	O	|	|	|	|	0.01
188.833	0.00	0.00	0.004	O	|	|	|	|	0.01
188.917	0.00	0.00	0.004	O	|	|	|	|	0.01
189.000	0.00	0.00	0.004	O	|	|	|	|	0.01
189.083	0.00	0.00	0.004	O	|	|	|	|	0.01
189.167	0.00	0.00	0.004	O	|	|	|	|	0.01
189.250	0.00	0.00	0.004	O	|	|	|	|	0.01
189.333	0.00	0.00	0.004	O	|	|	|	|	0.01
189.417	0.00	0.00	0.004	O	|	|	|	|	0.01
189.500	0.00	0.00	0.004	O	|	|	|	|	0.01
189.583	0.00	0.00	0.004	O	|	|	|	|	0.01
189.667	0.00	0.00	0.004	O	|	|	|	|	0.01
189.750	0.00	0.00	0.004	O	|	|	|	|	0.01
189.833	0.00	0.00	0.004	O	|	|	|	|	0.01
189.917	0.00	0.00	0.004	O	|	|	|	|	0.01
190.000	0.00	0.00	0.004	O	|	|	|	|	0.01
190.083	0.00	0.00	0.004	O	|	|	|	|	0.01
190.167	0.00	0.00	0.004	O	|	|	|	|	0.01

190.250	0.00	0.00	0.004	O	|	|	|	|	0.01
190.333	0.00	0.00	0.004	O	|	|	|	|	0.01
190.417	0.00	0.00	0.004	O	|	|	|	|	0.01
190.500	0.00	0.00	0.004	O	|	|	|	|	0.01
190.583	0.00	0.00	0.004	O	|	|	|	|	0.01
190.667	0.00	0.00	0.004	O	|	|	|	|	0.01
190.750	0.00	0.00	0.004	O	|	|	|	|	0.01
190.833	0.00	0.00	0.004	O	|	|	|	|	0.01
190.917	0.00	0.00	0.004	O	|	|	|	|	0.01
191.000	0.00	0.00	0.004	O	|	|	|	|	0.01
191.083	0.00	0.00	0.004	O	|	|	|	|	0.01
191.167	0.00	0.00	0.004	O	|	|	|	|	0.01
191.250	0.00	0.00	0.004	O	|	|	|	|	0.01
191.333	0.00	0.00	0.004	O	|	|	|	|	0.01
191.417	0.00	0.00	0.004	O	|	|	|	|	0.01
191.500	0.00	0.00	0.004	O	|	|	|	|	0.01
191.583	0.00	0.00	0.004	O	|	|	|	|	0.01
191.667	0.00	0.00	0.004	O	|	|	|	|	0.01
191.750	0.00	0.00	0.004	O	|	|	|	|	0.01
191.833	0.00	0.00	0.004	O	|	|	|	|	0.01
191.917	0.00	0.00	0.004	O	|	|	|	|	0.01
192.000	0.00	0.00	0.004	O	|	|	|	|	0.01
192.083	0.00	0.00	0.004	O	|	|	|	|	0.01
192.167	0.00	0.00	0.004	O	|	|	|	|	0.01
192.250	0.00	0.00	0.004	O	|	|	|	|	0.01
192.333	0.00	0.00	0.004	O	|	|	|	|	0.01
192.417	0.00	0.00	0.004	O	|	|	|	|	0.01
192.500	0.00	0.00	0.004	O	|	|	|	|	0.01
192.583	0.00	0.00	0.004	O	|	|	|	|	0.01
192.667	0.00	0.00	0.004	O	|	|	|	|	0.01
192.750	0.00	0.00	0.004	O	|	|	|	|	0.01
192.833	0.00	0.00	0.004	O	|	|	|	|	0.01
192.917	0.00	0.00	0.004	O	|	|	|	|	0.01
193.000	0.00	0.00	0.004	O	|	|	|	|	0.01
193.083	0.00	0.00	0.004	O	|	|	|	|	0.01
193.167	0.00	0.00	0.004	O	|	|	|	|	0.01
193.250	0.00	0.00	0.004	O	|	|	|	|	0.01
193.333	0.00	0.00	0.004	O	|	|	|	|	0.00
193.417	0.00	0.00	0.004	O	|	|	|	|	0.00
193.500	0.00	0.00	0.004	O	|	|	|	|	0.00
193.583	0.00	0.00	0.004	O	|	|	|	|	0.00
193.667	0.00	0.00	0.003	O	|	|	|	|	0.00
193.750	0.00	0.00	0.003	O	|	|	|	|	0.00
193.833	0.00	0.00	0.003	O	|	|	|	|	0.00
193.917	0.00	0.00	0.003	O	|	|	|	|	0.00
194.000	0.00	0.00	0.003	O	|	|	|	|	0.00
194.083	0.00	0.00	0.003	O	|	|	|	|	0.00
194.167	0.00	0.00	0.003	O	|	|	|	|	0.00
194.250	0.00	0.00	0.003	O	|	|	|	|	0.00
194.333	0.00	0.00	0.003	O	|	|	|	|	0.00
194.417	0.00	0.00	0.003	O	|	|	|	|	0.00
194.500	0.00	0.00	0.003	O	|	|	|	|	0.00
194.583	0.00	0.00	0.003	O	|	|	|	|	0.00
194.667	0.00	0.00	0.003	O	|	|	|	|	0.00
194.750	0.00	0.00	0.003	O	|	|	|	|	0.00
194.833	0.00	0.00	0.003	O	|	|	|	|	0.00
194.917	0.00	0.00	0.003	O	|	|	|	|	0.00
195.000	0.00	0.00	0.003	O	|	|	|	|	0.00
195.083	0.00	0.00	0.003	O	|	|	|	|	0.00
195.167	0.00	0.00	0.003	O	|	|	|	|	0.00
195.250	0.00	0.00	0.003	O	|	|	|	|	0.00
195.333	0.00	0.00	0.003	O	|	|	|	|	0.00
195.417	0.00	0.00	0.003	O	|	|	|	|	0.00
195.500	0.00	0.00	0.003	O	|	|	|	|	0.00
195.583	0.00	0.00	0.003	O	|	|	|	|	0.00
195.667	0.00	0.00	0.003	O	|	|	|	|	0.00
195.750	0.00	0.00	0.003	O	|	|	|	|	0.00

195.833	0.00	0.00	0.003	O	|	|	|	|	0.00
195.917	0.00	0.00	0.003	O	|	|	|	|	0.00
196.000	0.00	0.00	0.003	O	|	|	|	|	0.00
196.083	0.00	0.00	0.003	O	|	|	|	|	0.00
196.167	0.00	0.00	0.003	O	|	|	|	|	0.00
196.250	0.00	0.00	0.003	O	|	|	|	|	0.00
196.333	0.00	0.00	0.003	O	|	|	|	|	0.00
196.417	0.00	0.00	0.003	O	|	|	|	|	0.00
196.500	0.00	0.00	0.003	O	|	|	|	|	0.00
196.583	0.00	0.00	0.003	O	|	|	|	|	0.00
196.667	0.00	0.00	0.003	O	|	|	|	|	0.00
196.750	0.00	0.00	0.003	O	|	|	|	|	0.00
196.833	0.00	0.00	0.003	O	|	|	|	|	0.00
196.917	0.00	0.00	0.003	O	|	|	|	|	0.00
197.000	0.00	0.00	0.003	O	|	|	|	|	0.00
197.083	0.00	0.00	0.003	O	|	|	|	|	0.00
197.167	0.00	0.00	0.003	O	|	|	|	|	0.00
197.250	0.00	0.00	0.003	O	|	|	|	|	0.00
197.333	0.00	0.00	0.003	O	|	|	|	|	0.00
197.417	0.00	0.00	0.003	O	|	|	|	|	0.00
197.500	0.00	0.00	0.003	O	|	|	|	|	0.00
197.583	0.00	0.00	0.003	O	|	|	|	|	0.00
197.667	0.00	0.00	0.003	O	|	|	|	|	0.00
197.750	0.00	0.00	0.003	O	|	|	|	|	0.00
197.833	0.00	0.00	0.003	O	|	|	|	|	0.00
197.917	0.00	0.00	0.003	O	|	|	|	|	0.00
198.000	0.00	0.00	0.003	O	|	|	|	|	0.00
198.083	0.00	0.00	0.003	O	|	|	|	|	0.00
198.167	0.00	0.00	0.003	O	|	|	|	|	0.00
198.250	0.00	0.00	0.003	O	|	|	|	|	0.00
198.333	0.00	0.00	0.003	O	|	|	|	|	0.00
198.417	0.00	0.00	0.003	O	|	|	|	|	0.00
198.500	0.00	0.00	0.003	O	|	|	|	|	0.00
198.583	0.00	0.00	0.003	O	|	|	|	|	0.00
198.667	0.00	0.00	0.003	O	|	|	|	|	0.00
198.750	0.00	0.00	0.003	O	|	|	|	|	0.00
198.833	0.00	0.00	0.003	O	|	|	|	|	0.00
198.917	0.00	0.00	0.003	O	|	|	|	|	0.00
199.000	0.00	0.00	0.003	O	|	|	|	|	0.00
199.083	0.00	0.00	0.003	O	|	|	|	|	0.00
199.167	0.00	0.00	0.003	O	|	|	|	|	0.00
199.250	0.00	0.00	0.003	O	|	|	|	|	0.00
199.333	0.00	0.00	0.003	O	|	|	|	|	0.00
199.417	0.00	0.00	0.003	O	|	|	|	|	0.00
199.500	0.00	0.00	0.003	O	|	|	|	|	0.00
199.583	0.00	0.00	0.003	O	|	|	|	|	0.00
199.667	0.00	0.00	0.003	O	|	|	|	|	0.00
199.750	0.00	0.00	0.003	O	|	|	|	|	0.00
199.833	0.00	0.00	0.003	O	|	|	|	|	0.00
199.917	0.00	0.00	0.003	O	|	|	|	|	0.00
200.000	0.00	0.00	0.003	O	|	|	|	|	0.00
200.083	0.00	0.00	0.003	O	|	|	|	|	0.00
200.167	0.00	0.00	0.003	O	|	|	|	|	0.00
200.250	0.00	0.00	0.003	O	|	|	|	|	0.00
200.333	0.00	0.00	0.003	O	|	|	|	|	0.00
200.417	0.00	0.00	0.003	O	|	|	|	|	0.00
200.500	0.00	0.00	0.003	O	|	|	|	|	0.00
200.583	0.00	0.00	0.003	O	|	|	|	|	0.00
200.667	0.00	0.00	0.003	O	|	|	|	|	0.00
200.750	0.00	0.00	0.003	O	|	|	|	|	0.00
200.833	0.00	0.00	0.003	O	|	|	|	|	0.00
200.917	0.00	0.00	0.003	O	|	|	|	|	0.00
201.000	0.00	0.00	0.003	O	|	|	|	|	0.00
201.083	0.00	0.00	0.003	O	|	|	|	|	0.00
201.167	0.00	0.00	0.003	O	|	|	|	|	0.00
201.250	0.00	0.00	0.003	O	|	|	|	|	0.00
201.333	0.00	0.00	0.003	O	|	|	|	|	0.00

201.417	0.00	0.00	0.003	O					0.00
201.500	0.00	0.00	0.003	O					0.00
201.583	0.00	0.00	0.003	O					0.00
201.667	0.00	0.00	0.002	O					0.00
201.750	0.00	0.00	0.002	O					0.00
201.833	0.00	0.00	0.002	O					0.00
201.917	0.00	0.00	0.002	O					0.00
202.000	0.00	0.00	0.002	O					0.00
202.083	0.00	0.00	0.002	O					0.00
202.167	0.00	0.00	0.002	O					0.00
202.250	0.00	0.00	0.002	O					0.00
202.333	0.00	0.00	0.002	O					0.00
202.417	0.00	0.00	0.002	O					0.00
202.500	0.00	0.00	0.002	O					0.00
202.583	0.00	0.00	0.002	O					0.00
202.667	0.00	0.00	0.002	O					0.00
202.750	0.00	0.00	0.002	O					0.00
202.833	0.00	0.00	0.002	O					0.00
202.917	0.00	0.00	0.002	O					0.00
203.000	0.00	0.00	0.002	O					0.00
203.083	0.00	0.00	0.002	O					0.00
203.167	0.00	0.00	0.002	O					0.00
203.250	0.00	0.00	0.002	O					0.00
203.333	0.00	0.00	0.002	O					0.00
203.417	0.00	0.00	0.002	O					0.00
203.500	0.00	0.00	0.002	O					0.00
203.583	0.00	0.00	0.002	O					0.00
203.667	0.00	0.00	0.002	O					0.00
203.750	0.00	0.00	0.002	O					0.00
203.833	0.00	0.00	0.002	O					0.00
203.917	0.00	0.00	0.002	O					0.00
204.000	0.00	0.00	0.002	O					0.00
204.083	0.00	0.00	0.002	O					0.00
204.167	0.00	0.00	0.002	O					0.00
204.250	0.00	0.00	0.002	O					0.00
204.333	0.00	0.00	0.002	O					0.00
204.417	0.00	0.00	0.002	O					0.00
204.500	0.00	0.00	0.002	O					0.00
204.583	0.00	0.00	0.002	O					0.00
204.667	0.00	0.00	0.002	O					0.00
204.750	0.00	0.00	0.002	O					0.00
204.833	0.00	0.00	0.002	O					0.00
204.917	0.00	0.00	0.002	O					0.00
205.000	0.00	0.00	0.002	O					0.00
205.083	0.00	0.00	0.002	O					0.00
205.167	0.00	0.00	0.002	O					0.00
205.250	0.00	0.00	0.002	O					0.00
205.333	0.00	0.00	0.002	O					0.00
205.417	0.00	0.00	0.002	O					0.00
205.500	0.00	0.00	0.002	O					0.00
205.583	0.00	0.00	0.002	O					0.00
205.667	0.00	0.00	0.002	O					0.00
205.750	0.00	0.00	0.002	O					0.00
205.833	0.00	0.00	0.002	O					0.00
205.917	0.00	0.00	0.002	O					0.00
206.000	0.00	0.00	0.002	O					0.00
206.083	0.00	0.00	0.002	O					0.00
206.167	0.00	0.00	0.002	O					0.00
206.250	0.00	0.00	0.002	O					0.00
206.333	0.00	0.00	0.002	O					0.00
206.417	0.00	0.00	0.002	O					0.00
206.500	0.00	0.00	0.002	O					0.00
206.583	0.00	0.00	0.002	O					0.00
206.667	0.00	0.00	0.002	O					0.00
206.750	0.00	0.00	0.002	O					0.00
206.833	0.00	0.00	0.002	O					0.00
206.917	0.00	0.00	0.002	O					0.00

```
207.000    0.00    0.00      0.002  O       |       |       |       |     0.00
207.083    0.00    0.00      0.002  O       |       |       |       |     0.00
207.167    0.00    0.00      0.002  O       |       |       |       |     0.00
207.250    0.00    0.00      0.002  O       |       |       |       |     0.00
207.333    0.00    0.00      0.002  O       |       |       |       |     0.00

 Remaining water in basin =    0.00 (Ac.Ft)


 ****************************HYDROGRAPH DATA****************************
              Number of intervals =  2488
              Time interval =    5.0 (Min.)
              Maximum/Peak flow rate =        5.420 (CFS)
              Total volume =       5.315 (Ac.Ft)
       Status of hydrographs being held in storage
                    Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
       Peak (CFS)      0.000     0.000     0.000     0.000     0.000
       Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
 ************************************************************************

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                    FLOOD HYDROGRAPH ROUTING PROGRAM
                Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
                          Study date: 12/21/21


      ----------------------------------------------------------------------

      Program License Serial Number 6406

      ----------------------------------------------------------------------
      ********************* HYDROGRAPH INFORMATION **********************

                  From study/file name: RVPRI1100.rte
      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =    14
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =       69.471 (CFS)
                  Total volume =       1.870 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      **********************************************************************
      RIO VISTA DEVELOPMENT
      BASIN I- ROUTING
      100YR-1HR
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      Process from Point/Station        1.000 to Point/Station        2.000
      **** RETARDING BASIN ROUTING ****
      ______________________________________________________________________

      User entry of depth-outflow-storage data
      ----------------------------------------------------------------------
      Total number of inflow hydrograph intervals = 14
      Hydrograph time unit =  5.000 (Min.)
      Initial depth in storage basin =   0.00(Ft.)
      ----------------------------------------------------------------------
      ----------------------------------------------------------------------
      Initial basin depth =   0.00 (Ft.)
      Initial basin storage =      0.00 (Ac.Ft)
      Initial basin outflow =   0.00 (CFS)
      ----------------------------------------------------------------------
      ----------------------------------------------------------------------
      Depth vs. Storage and Depth vs. Discharge data:
       Basin Depth  Storage    Outflow   (S-O*dt/2)   (S+O*dt/2)
           (Ft.)    (Ac.Ft)    (CFS)     (Ac.Ft)    (Ac.Ft)
      ----------------------------------------------------------------------
         0.000      0.000      0.000      0.000        0.000
         1.000      0.710      0.360      0.709        0.711
         2.000      1.520      0.620      1.518        1.522
         3.000      2.440      0.800      2.437        2.443
         4.000      3.480      1.790      3.474        3.486
         5.000      4.630     26.090      4.540        4.720
      ----------------------------------------------------------------------
                  Hydrograph Detention Basin Routing
      ----------------------------------------------------------------------

      Graph values: 'I'= unit inflow; 'O'=outflow at time shown
      ----------------------------------------------------------------------
       Time   Inflow  Outflow    Storage                                 Depth
      (Hours)  (CFS)   (CFS)     (Ac.Ft) .0      17.4   34.74   52.10   69.47 (Ft.)
       0.083    4.03    0.01      0.014  OI      |       |       |       |     0.02
       0.167    7.96    0.03      0.055  O  I    |       |       |       |     0.08
       0.250    9.57    0.06      0.115  O   I   |       |       |       |     0.16
       0.333   10.62    0.09      0.184  O   I   |       |       |       |     0.26
       0.417   11.84    0.13      0.261  O    I  |       |       |       |     0.37
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0.500	14.16	0.18	0.349	O	I	|	|	|	|	0.49
0.583	16.51	0.23	0.453	O	I	|	|	|	|	0.64
0.667	20.95	0.29	0.580	O	|	I	|	|	|	0.82
0.750	32.39	0.38	0.762	O	|	|	I	|	|	1.06
0.833	69.47	0.49	1.110	O	|	|	|	|	I	1.49
0.917	50.00	0.62	1.517	O	|	|	|	I	|	2.00
1.000	18.84	0.66	1.750	O	|	I	|	|	|	2.25
1.083	4.63	0.68	1.826	O	I	|	|	|	|	2.33
1.167	0.62	**0.68**	**1.839**	**O**	|	|	|	|	|	**2.35**
1.250	0.00	0.68	1.837	O	|	|	|	|	|	2.34
1.333	0.00	0.68	1.832	O	|	|	|	|	|	2.34
1.417	0.00	0.68	1.827	O	|	|	|	|	|	2.33
1.500	0.00	0.68	1.823	O	|	|	|	|	|	2.33
1.583	0.00	0.68	1.818	O	|	|	|	|	|	2.32
1.667	0.00	0.68	1.813	O	|	|	|	|	|	2.32
1.750	0.00	0.68	1.809	O	|	|	|	|	|	2.31
1.833	0.00	0.68	1.804	O	|	|	|	|	|	2.31
1.917	0.00	0.67	1.799	O	|	|	|	|	|	2.30
2.000	0.00	0.67	1.795	O	|	|	|	|	|	2.30
2.083	0.00	0.67	1.790	O	|	|	|	|	|	2.29
2.167	0.00	0.67	1.786	O	|	|	|	|	|	2.29
2.250	0.00	0.67	1.781	O	|	|	|	|	|	2.28
2.333	0.00	0.67	1.776	O	|	|	|	|	|	2.28
2.417	0.00	0.67	1.772	O	|	|	|	|	|	2.27
2.500	0.00	0.67	1.767	O	|	|	|	|	|	2.27
2.583	0.00	0.67	1.763	O	|	|	|	|	|	2.26
2.667	0.00	0.67	1.758	O	|	|	|	|	|	2.26
2.750	0.00	0.67	1.753	O	|	|	|	|	|	2.25
2.833	0.00	0.66	1.749	O	|	|	|	|	|	2.25
2.917	0.00	0.66	1.744	O	|	|	|	|	|	2.24
3.000	0.00	0.66	1.740	O	|	|	|	|	|	2.24
3.083	0.00	0.66	1.735	O	|	|	|	|	|	2.23
3.167	0.00	0.66	1.730	O	|	|	|	|	|	2.23
3.250	0.00	0.66	1.726	O	|	|	|	|	|	2.22
3.333	0.00	0.66	1.721	O	|	|	|	|	|	2.22
3.417	0.00	0.66	1.717	O	|	|	|	|	|	2.21
3.500	0.00	0.66	1.712	O	|	|	|	|	|	2.21
3.583	0.00	0.66	1.708	O	|	|	|	|	|	2.20
3.667	0.00	0.66	1.703	O	|	|	|	|	|	2.20
3.750	0.00	0.65	1.699	O	|	|	|	|	|	2.19
3.833	0.00	0.65	1.694	O	|	|	|	|	|	2.19
3.917	0.00	0.65	1.690	O	|	|	|	|	|	2.18
4.000	0.00	0.65	1.685	O	|	|	|	|	|	2.18
4.083	0.00	0.65	1.681	O	|	|	|	|	|	2.17
4.167	0.00	0.65	1.676	O	|	|	|	|	|	2.17
4.250	0.00	0.65	1.672	O	|	|	|	|	|	2.17
4.333	0.00	0.65	1.667	O	|	|	|	|	|	2.16
4.417	0.00	0.65	1.663	O	|	|	|	|	|	2.16
4.500	0.00	0.65	1.658	O	|	|	|	|	|	2.15
4.583	0.00	0.65	1.654	O	|	|	|	|	|	2.15
4.667	0.00	0.65	1.650	O	|	|	|	|	|	2.14
4.750	0.00	0.64	1.645	O	|	|	|	|	|	2.14
4.833	0.00	0.64	1.641	O	|	|	|	|	|	2.13
4.917	0.00	0.64	1.636	O	|	|	|	|	|	2.13
5.000	0.00	0.64	1.632	O	|	|	|	|	|	2.12
5.083	0.00	0.64	1.627	O	|	|	|	|	|	2.12
5.167	0.00	0.64	1.623	O	|	|	|	|	|	2.11
5.250	0.00	0.64	1.619	O	|	|	|	|	|	2.11
5.333	0.00	0.64	1.614	O	|	|	|	|	|	2.10
5.417	0.00	0.64	1.610	O	|	|	|	|	|	2.10
5.500	0.00	0.64	1.605	O	|	|	|	|	|	2.09
5.583	0.00	0.64	1.601	O	|	|	|	|	|	2.09
5.667	0.00	0.63	1.597	O	|	|	|	|	|	2.08
5.750	0.00	0.63	1.592	O	|	|	|	|	|	2.08
5.833	0.00	0.63	1.588	O	|	|	|	|	|	2.07
5.917	0.00	0.63	1.584	O	|	|	|	|	|	2.07
6.000	0.00	0.63	1.579	O	|	|	|	|	|	2.06

6.083	0.00	0.63	1.575	O	|	|	|	2.06
6.167	0.00	0.63	1.570	O	|	|	|	2.05
6.250	0.00	0.63	1.566	O	|	|	|	2.05
6.333	0.00	0.63	1.562	O	|	|	|	2.05
6.417	0.00	0.63	1.557	O	|	|	|	2.04
6.500	0.00	0.63	1.553	O	|	|	|	2.04
6.583	0.00	0.63	1.549	O	|	|	|	2.03
6.667	0.00	0.62	1.545	O	|	|	|	2.03
6.750	0.00	0.62	1.540	O	|	|	|	2.02
6.833	0.00	0.62	1.536	O	|	|	|	2.02
6.917	0.00	0.62	1.532	O	|	|	|	2.01
7.000	0.00	0.62	1.527	O	|	|	|	2.01
7.083	0.00	0.62	1.523	O	|	|	|	2.00
7.167	0.00	0.62	1.519	O	|	|	|	2.00
7.250	0.00	0.62	1.515	O	|	|	|	1.99
7.333	0.00	0.62	1.510	O	|	|	|	1.99
7.417	0.00	0.62	1.506	O	|	|	|	1.98
7.500	0.00	0.61	1.502	O	|	|	|	1.98
7.583	0.00	0.61	1.498	O	|	|	|	1.97
7.667	0.00	0.61	1.493	O	|	|	|	1.97
7.750	0.00	0.61	1.489	O	|	|	|	1.96
7.833	0.00	0.61	1.485	O	|	|	|	1.96
7.917	0.00	0.61	1.481	O	|	|	|	1.95
8.000	0.00	0.61	1.477	O	|	|	|	1.95
8.083	0.00	0.60	1.472	O	|	|	|	1.94
8.167	0.00	0.60	1.468	O	|	|	|	1.94
8.250	0.00	0.60	1.464	O	|	|	|	1.93
8.333	0.00	0.60	1.460	O	|	|	|	1.93
8.417	0.00	0.60	1.456	O	|	|	|	1.92
8.500	0.00	0.60	1.452	O	|	|	|	1.92
8.583	0.00	0.60	1.448	O	|	|	|	1.91
8.667	0.00	0.60	1.444	O	|	|	|	1.91
8.750	0.00	0.59	1.439	O	|	|	|	1.90
8.833	0.00	0.59	1.435	O	|	|	|	1.90
8.917	0.00	0.59	1.431	O	|	|	|	1.89
9.000	0.00	0.59	1.427	O	|	|	|	1.89
9.083	0.00	0.59	1.423	O	|	|	|	1.88
9.167	0.00	0.59	1.419	O	|	|	|	1.88
9.250	0.00	0.59	1.415	O	|	|	|	1.87
9.333	0.00	0.59	1.411	O	|	|	|	1.87
9.417	0.00	0.58	1.407	O	|	|	|	1.86
9.500	0.00	0.58	1.403	O	|	|	|	1.86
9.583	0.00	0.58	1.399	O	|	|	|	1.85
9.667	0.00	0.58	1.395	O	|	|	|	1.85
9.750	0.00	0.58	1.391	O	|	|	|	1.84
9.833	0.00	0.58	1.387	O	|	|	|	1.84
9.917	0.00	0.58	1.383	O	|	|	|	1.83
10.000	0.00	0.57	1.379	O	|	|	|	1.83
10.083	0.00	0.57	1.375	O	|	|	|	1.82
10.167	0.00	0.57	1.371	O	|	|	|	1.82
10.250	0.00	0.57	1.367	O	|	|	|	1.81
10.333	0.00	0.57	1.363	O	|	|	|	1.81
10.417	0.00	0.57	1.359	O	|	|	|	1.80
10.500	0.00	0.57	1.355	O	|	|	|	1.80
10.583	0.00	0.57	1.352	O	|	|	|	1.79
10.667	0.00	0.56	1.348	O	|	|	|	1.79
10.750	0.00	0.56	1.344	O	|	|	|	1.78
10.833	0.00	0.56	1.340	O	|	|	|	1.78
10.917	0.00	0.56	1.336	O	|	|	|	1.77
11.000	0.00	0.56	1.332	O	|	|	|	1.77
11.083	0.00	0.56	1.328	O	|	|	|	1.76
11.167	0.00	0.56	1.325	O	|	|	|	1.76
11.250	0.00	0.56	1.321	O	|	|	|	1.75
11.333	0.00	0.55	1.317	O	|	|	|	1.75
11.417	0.00	0.55	1.313	O	|	|	|	1.74
11.500	0.00	0.55	1.309	O	|	|	|	1.74
11.583	0.00	0.55	1.305	O	|	|	|	1.74

11.667	0.00	0.55	1.302	O	|	|	|	|	1.73
11.750	0.00	0.55	1.298	O	|	|	|	|	1.73
11.833	0.00	0.55	1.294	O	|	|	|	|	1.72
11.917	0.00	0.55	1.290	O	|	|	|	|	1.72
12.000	0.00	0.55	1.287	O	|	|	|	|	1.71
12.083	0.00	0.54	1.283	O	|	|	|	|	1.71
12.167	0.00	0.54	1.279	O	|	|	|	|	1.70
12.250	0.00	0.54	1.275	O	|	|	|	|	1.70
12.333	0.00	0.54	1.272	O	|	|	|	|	1.69
12.417	0.00	0.54	1.268	O	|	|	|	|	1.69
12.500	0.00	0.54	1.264	O	|	|	|	|	1.68
12.583	0.00	0.54	1.260	O	|	|	|	|	1.68
12.667	0.00	0.54	1.257	O	|	|	|	|	1.68
12.750	0.00	0.53	1.253	O	|	|	|	|	1.67
12.833	0.00	0.53	1.249	O	|	|	|	|	1.67
12.917	0.00	0.53	1.246	O	|	|	|	|	1.66
13.000	0.00	0.53	1.242	O	|	|	|	|	1.66
13.083	0.00	0.53	1.238	O	|	|	|	|	1.65
13.167	0.00	0.53	1.235	O	|	|	|	|	1.65
13.250	0.00	0.53	1.231	O	|	|	|	|	1.64
13.333	0.00	0.53	1.228	O	|	|	|	|	1.64
13.417	0.00	0.52	1.224	O	|	|	|	|	1.63
13.500	0.00	0.52	1.220	O	|	|	|	|	1.63
13.583	0.00	0.52	1.217	O	|	|	|	|	1.63
13.667	0.00	0.52	1.213	O	|	|	|	|	1.62
13.750	0.00	0.52	1.210	O	|	|	|	|	1.62
13.833	0.00	0.52	1.206	O	|	|	|	|	1.61
13.917	0.00	0.52	1.202	O	|	|	|	|	1.61
14.000	0.00	0.52	1.199	O	|	|	|	|	1.60
14.083	0.00	0.52	1.195	O	|	|	|	|	1.60
14.167	0.00	0.51	1.192	O	|	|	|	|	1.59
14.250	0.00	0.51	1.188	O	|	|	|	|	1.59
14.333	0.00	0.51	1.185	O	|	|	|	|	1.59
14.417	0.00	0.51	1.181	O	|	|	|	|	1.58
14.500	0.00	0.51	1.178	O	|	|	|	|	1.58
14.583	0.00	0.51	1.174	O	|	|	|	|	1.57
14.667	0.00	0.51	1.171	O	|	|	|	|	1.57
14.750	0.00	0.51	1.167	O	|	|	|	|	1.56
14.833	0.00	0.51	1.164	O	|	|	|	|	1.56
14.917	0.00	0.50	1.160	O	|	|	|	|	1.56
15.000	0.00	0.50	1.157	O	|	|	|	|	1.55
15.083	0.00	0.50	1.153	O	|	|	|	|	1.55
15.167	0.00	0.50	1.150	O	|	|	|	|	1.54
15.250	0.00	0.50	1.146	O	|	|	|	|	1.54
15.333	0.00	0.50	1.143	O	|	|	|	|	1.53
15.417	0.00	0.50	1.139	O	|	|	|	|	1.53
15.500	0.00	0.50	1.136	O	|	|	|	|	1.53
15.583	0.00	0.50	1.133	O	|	|	|	|	1.52
15.667	0.00	0.49	1.129	O	|	|	|	|	1.52
15.750	0.00	0.49	1.126	O	|	|	|	|	1.51
15.833	0.00	0.49	1.122	O	|	|	|	|	1.51
15.917	0.00	0.49	1.119	O	|	|	|	|	1.50
16.000	0.00	0.49	1.116	O	|	|	|	|	1.50
16.083	0.00	0.49	1.112	O	|	|	|	|	1.50
16.167	0.00	0.49	1.109	O	|	|	|	|	1.49
16.250	0.00	0.49	1.105	O	|	|	|	|	1.49
16.333	0.00	0.49	1.102	O	|	|	|	|	1.48
16.417	0.00	0.48	1.099	O	|	|	|	|	1.48
16.500	0.00	0.48	1.095	O	|	|	|	|	1.48
16.583	0.00	0.48	1.092	O	|	|	|	|	1.47
16.667	0.00	0.48	1.089	O	|	|	|	|	1.47
16.750	0.00	0.48	1.086	O	|	|	|	|	1.46
16.833	0.00	0.48	1.082	O	|	|	|	|	1.46
16.917	0.00	0.48	1.079	O	|	|	|	|	1.46
17.000	0.00	0.48	1.076	O	|	|	|	|	1.45
17.083	0.00	0.48	1.072	O	|	|	|	|	1.45
17.167	0.00	0.48	1.069	O	|	|	|	|	1.44

17.250	0.00	0.47	1.066	O	|	|	|	1.44
17.333	0.00	0.47	1.063	O	|	|	|	1.44
17.417	0.00	0.47	1.059	O	|	|	|	1.43
17.500	0.00	0.47	1.056	O	|	|	|	1.43
17.583	0.00	0.47	1.053	O	|	|	|	1.42
17.667	0.00	0.47	1.050	O	|	|	|	1.42
17.750	0.00	0.47	1.046	O	|	|	|	1.42
17.833	0.00	0.47	1.043	O	|	|	|	1.41
17.917	0.00	0.47	1.040	O	|	|	|	1.41
18.000	0.00	0.46	1.037	O	|	|	|	1.40
18.083	0.00	0.46	1.033	O	|	|	|	1.40
18.167	0.00	0.46	1.030	O	|	|	|	1.40
18.250	0.00	0.46	1.027	O	|	|	|	1.39
18.333	0.00	0.46	1.024	O	|	|	|	1.39
18.417	0.00	0.46	1.021	O	|	|	|	1.38
18.500	0.00	0.46	1.018	O	|	|	|	1.38
18.583	0.00	0.46	1.014	O	|	|	|	1.38
18.667	0.00	0.46	1.011	O	|	|	|	1.37
18.750	0.00	0.46	1.008	O	|	|	|	1.37
18.833	0.00	0.45	1.005	O	|	|	|	1.36
18.917	0.00	0.45	1.002	O	|	|	|	1.36
19.000	0.00	0.45	0.999	O	|	|	|	1.36
19.083	0.00	0.45	0.996	O	|	|	|	1.35
19.167	0.00	0.45	0.993	O	|	|	|	1.35
19.250	0.00	0.45	0.989	O	|	|	|	1.34
19.333	0.00	0.45	0.986	O	|	|	|	1.34
19.417	0.00	0.45	0.983	O	|	|	|	1.34
19.500	0.00	0.45	0.980	O	|	|	|	1.33
19.583	0.00	0.45	0.977	O	|	|	|	1.33
19.667	0.00	0.44	0.974	O	|	|	|	1.33
19.750	0.00	0.44	0.971	O	|	|	|	1.32
19.833	0.00	0.44	0.968	O	|	|	|	1.32
19.917	0.00	0.44	0.965	O	|	|	|	1.31
20.000	0.00	0.44	0.962	O	|	|	|	1.31
20.083	0.00	0.44	0.959	O	|	|	|	1.31
20.167	0.00	0.44	0.956	O	|	|	|	1.30
20.250	0.00	0.44	0.953	O	|	|	|	1.30
20.333	0.00	0.44	0.950	O	|	|	|	1.30
20.417	0.00	0.44	0.947	O	|	|	|	1.29
20.500	0.00	0.44	0.944	O	|	|	|	1.29
20.583	0.00	0.43	0.941	O	|	|	|	1.28
20.667	0.00	0.43	0.938	O	|	|	|	1.28
20.750	0.00	0.43	0.935	O	|	|	|	1.28
20.833	0.00	0.43	0.932	O	|	|	|	1.27
20.917	0.00	0.43	0.929	O	|	|	|	1.27
21.000	0.00	0.43	0.926	O	|	|	|	1.27
21.083	0.00	0.43	0.923	O	|	|	|	1.26
21.167	0.00	0.43	0.920	O	|	|	|	1.26
21.250	0.00	0.43	0.917	O	|	|	|	1.26
21.333	0.00	0.43	0.914	O	|	|	|	1.25
21.417	0.00	0.42	0.911	O	|	|	|	1.25
21.500	0.00	0.42	0.908	O	|	|	|	1.24
21.583	0.00	0.42	0.905	O	|	|	|	1.24
21.667	0.00	0.42	0.902	O	|	|	|	1.24
21.750	0.00	0.42	0.900	O	|	|	|	1.23
21.833	0.00	0.42	0.897	O	|	|	|	1.23
21.917	0.00	0.42	0.894	O	|	|	|	1.23
22.000	0.00	0.42	0.891	O	|	|	|	1.22
22.083	0.00	0.42	0.888	O	|	|	|	1.22
22.167	0.00	0.42	0.885	O	|	|	|	1.22
22.250	0.00	0.42	0.882	O	|	|	|	1.21
22.333	0.00	0.41	0.879	O	|	|	|	1.21
22.417	0.00	0.41	0.877	O	|	|	|	1.21
22.500	0.00	0.41	0.874	O	|	|	|	1.20
22.583	0.00	0.41	0.871	O	|	|	|	1.20
22.667	0.00	0.41	0.868	O	|	|	|	1.20
22.750	0.00	0.41	0.865	O	|	|	|	1.19

22.833	0.00	0.41	0.862	O	|	|	|	1.19
22.917	0.00	0.41	0.860	O	|	|	|	1.18
23.000	0.00	0.41	0.857	O	|	|	|	1.18
23.083	0.00	0.41	0.854	O	|	|	|	1.18
23.167	0.00	0.41	0.851	O	|	|	|	1.17
23.250	0.00	0.40	0.848	O	|	|	|	1.17
23.333	0.00	0.40	0.846	O	|	|	|	1.17
23.417	0.00	0.40	0.843	O	|	|	|	1.16
23.500	0.00	0.40	0.840	O	|	|	|	1.16
23.583	0.00	0.40	0.837	O	|	|	|	1.16
23.667	0.00	0.40	0.835	O	|	|	|	1.15
23.750	0.00	0.40	0.832	O	|	|	|	1.15
23.833	0.00	0.40	0.829	O	|	|	|	1.15
23.917	0.00	0.40	0.826	O	|	|	|	1.14
24.000	0.00	0.40	0.824	O	|	|	|	1.14
24.083	0.00	0.40	0.821	O	|	|	|	1.14
24.167	0.00	0.39	0.818	O	|	|	|	1.13
24.250	0.00	0.39	0.815	O	|	|	|	1.13
24.333	0.00	0.39	0.813	O	|	|	|	1.13
24.417	0.00	0.39	0.810	O	|	|	|	1.12
24.500	0.00	0.39	0.807	O	|	|	|	1.12
24.583	0.00	0.39	0.805	O	|	|	|	1.12
24.667	0.00	0.39	0.802	O	|	|	|	1.11
24.750	0.00	0.39	0.799	O	|	|	|	1.11
24.833	0.00	0.39	0.797	O	|	|	|	1.11
24.917	0.00	0.39	0.794	O	|	|	|	1.10
25.000	0.00	0.39	0.791	O	|	|	|	1.10
25.083	0.00	0.39	0.789	O	|	|	|	1.10
25.167	0.00	0.38	0.786	O	|	|	|	1.09
25.250	0.00	0.38	0.783	O	|	|	|	1.09
25.333	0.00	0.38	0.781	O	|	|	|	1.09
25.417	0.00	0.38	0.778	O	|	|	|	1.08
25.500	0.00	0.38	0.775	O	|	|	|	1.08
25.583	0.00	0.38	0.773	O	|	|	|	1.08
25.667	0.00	0.38	0.770	O	|	|	|	1.07
25.750	0.00	0.38	0.768	O	|	|	|	1.07
25.833	0.00	0.38	0.765	O	|	|	|	1.07
25.917	0.00	0.38	0.762	O	|	|	|	1.06
26.000	0.00	0.38	0.760	O	|	|	|	1.06
26.083	0.00	0.38	0.757	O	|	|	|	1.06
26.167	0.00	0.37	0.755	O	|	|	|	1.06
26.250	0.00	0.37	0.752	O	|	|	|	1.05
26.333	0.00	0.37	0.749	O	|	|	|	1.05
26.417	0.00	0.37	0.747	O	|	|	|	1.05
26.500	0.00	0.37	0.744	O	|	|	|	1.04
26.583	0.00	0.37	0.742	O	|	|	|	1.04
26.667	0.00	0.37	0.739	O	|	|	|	1.04
26.750	0.00	0.37	0.737	O	|	|	|	1.03
26.833	0.00	0.37	0.734	O	|	|	|	1.03
26.917	0.00	0.37	0.732	O	|	|	|	1.03
27.000	0.00	0.37	0.729	O	|	|	|	1.02
27.083	0.00	0.37	0.727	O	|	|	|	1.02
27.167	0.00	0.36	0.724	O	|	|	|	1.02
27.250	0.00	0.36	0.722	O	|	|	|	1.01
27.333	0.00	0.36	0.719	O	|	|	|	1.01
27.417	0.00	0.36	0.717	O	|	|	|	1.01
27.500	0.00	0.36	0.714	O	|	|	|	1.01
27.583	0.00	0.36	0.712	O	|	|	|	1.00
27.667	0.00	0.36	0.709	O	|	|	|	1.00
27.750	0.00	0.36	0.707	O	|	|	|	1.00
27.833	0.00	0.36	0.704	O	|	|	|	0.99
27.917	0.00	0.36	0.702	O	|	|	|	0.99
28.000	0.00	0.35	0.699	O	|	|	|	0.98
28.083	0.00	0.35	0.697	O	|	|	|	0.98
28.167	0.00	0.35	0.694	O	|	|	|	0.98
28.250	0.00	0.35	0.692	O	|	|	|	0.97
28.333	0.00	0.35	0.690	O	|	|	|	0.97

28.417	0.00	0.35	0.687	O	|	|	|	|	0.97
28.500	0.00	0.35	0.685	O	|	|	|	|	0.96
28.583	0.00	0.35	0.682	O	|	|	|	|	0.96
28.667	0.00	0.34	0.680	O	|	|	|	|	0.96
28.750	0.00	0.34	0.678	O	|	|	|	|	0.95
28.833	0.00	0.34	0.675	O	|	|	|	|	0.95
28.917	0.00	0.34	0.673	O	|	|	|	|	0.95
29.000	0.00	0.34	0.671	O	|	|	|	|	0.94
29.083	0.00	0.34	0.668	O	|	|	|	|	0.94
29.167	0.00	0.34	0.666	O	|	|	|	|	0.94
29.250	0.00	0.34	0.664	O	|	|	|	|	0.93
29.333	0.00	0.34	0.661	O	|	|	|	|	0.93
29.417	0.00	0.33	0.659	O	|	|	|	|	0.93
29.500	0.00	0.33	0.657	O	|	|	|	|	0.92
29.583	0.00	0.33	0.654	O	|	|	|	|	0.92
29.667	0.00	0.33	0.652	O	|	|	|	|	0.92
29.750	0.00	0.33	0.650	O	|	|	|	|	0.92
29.833	0.00	0.33	0.648	O	|	|	|	|	0.91
29.917	0.00	0.33	0.645	O	|	|	|	|	0.91
30.000	0.00	0.33	0.643	O	|	|	|	|	0.91
30.083	0.00	0.32	0.641	O	|	|	|	|	0.90
30.167	0.00	0.32	0.639	O	|	|	|	|	0.90
30.250	0.00	0.32	0.636	O	|	|	|	|	0.90
30.333	0.00	0.32	0.634	O	|	|	|	|	0.89
30.417	0.00	0.32	0.632	O	|	|	|	|	0.89
30.500	0.00	0.32	0.630	O	|	|	|	|	0.89
30.583	0.00	0.32	0.628	O	|	|	|	|	0.88
30.667	0.00	0.32	0.625	O	|	|	|	|	0.88
30.750	0.00	0.32	0.623	O	|	|	|	|	0.88
30.833	0.00	0.31	0.621	O	|	|	|	|	0.87
30.917	0.00	0.31	0.619	O	|	|	|	|	0.87
31.000	0.00	0.31	0.617	O	|	|	|	|	0.87
31.083	0.00	0.31	0.615	O	|	|	|	|	0.87
31.167	0.00	0.31	0.612	O	|	|	|	|	0.86
31.250	0.00	0.31	0.610	O	|	|	|	|	0.86
31.333	0.00	0.31	0.608	O	|	|	|	|	0.86
31.417	0.00	0.31	0.606	O	|	|	|	|	0.85
31.500	0.00	0.31	0.604	O	|	|	|	|	0.85
31.583	0.00	0.31	0.602	O	|	|	|	|	0.85
31.667	0.00	0.30	0.600	O	|	|	|	|	0.84
31.750	0.00	0.30	0.598	O	|	|	|	|	0.84
31.833	0.00	0.30	0.595	O	|	|	|	|	0.84
31.917	0.00	0.30	0.593	O	|	|	|	|	0.84
32.000	0.00	0.30	0.591	O	|	|	|	|	0.83
32.083	0.00	0.30	0.589	O	|	|	|	|	0.83
32.167	0.00	0.30	0.587	O	|	|	|	|	0.83
32.250	0.00	0.30	0.585	O	|	|	|	|	0.82
32.333	0.00	0.30	0.583	O	|	|	|	|	0.82
32.417	0.00	0.29	0.581	O	|	|	|	|	0.82
32.500	0.00	0.29	0.579	O	|	|	|	|	0.82
32.583	0.00	0.29	0.577	O	|	|	|	|	0.81
32.667	0.00	0.29	0.575	O	|	|	|	|	0.81
32.750	0.00	0.29	0.573	O	|	|	|	|	0.81
32.833	0.00	0.29	0.571	O	|	|	|	|	0.80
32.917	0.00	0.29	0.569	O	|	|	|	|	0.80
33.000	0.00	0.29	0.567	O	|	|	|	|	0.80
33.083	0.00	0.29	0.565	O	|	|	|	|	0.80
33.167	0.00	0.29	0.563	O	|	|	|	|	0.79
33.250	0.00	0.28	0.561	O	|	|	|	|	0.79
33.333	0.00	0.28	0.559	O	|	|	|	|	0.79
33.417	0.00	0.28	0.557	O	|	|	|	|	0.78
33.500	0.00	0.28	0.555	O	|	|	|	|	0.78
33.583	0.00	0.28	0.553	O	|	|	|	|	0.78
33.667	0.00	0.28	0.551	O	|	|	|	|	0.78
33.750	0.00	0.28	0.550	O	|	|	|	|	0.77
33.833	0.00	0.28	0.548	O	|	|	|	|	0.77
33.917	0.00	0.28	0.546	O	|	|	|	|	0.77

34.000	0.00	0.28	0.544	O	|	|	|	|	0.77
34.083	0.00	0.27	0.542	O	|	|	|	|	0.76
34.167	0.00	0.27	0.540	O	|	|	|	|	0.76
34.250	0.00	0.27	0.538	O	|	|	|	|	0.76
34.333	0.00	0.27	0.536	O	|	|	|	|	0.76
34.417	0.00	0.27	0.534	O	|	|	|	|	0.75
34.500	0.00	0.27	0.533	O	|	|	|	|	0.75
34.583	0.00	0.27	0.531	O	|	|	|	|	0.75
34.667	0.00	0.27	0.529	O	|	|	|	|	0.74
34.750	0.00	0.27	0.527	O	|	|	|	|	0.74
34.833	0.00	0.27	0.525	O	|	|	|	|	0.74
34.917	0.00	0.27	0.523	O	|	|	|	|	0.74
35.000	0.00	0.26	0.521	O	|	|	|	|	0.73
35.083	0.00	0.26	0.520	O	|	|	|	|	0.73
35.167	0.00	0.26	0.518	O	|	|	|	|	0.73
35.250	0.00	0.26	0.516	O	|	|	|	|	0.73
35.333	0.00	0.26	0.514	O	|	|	|	|	0.72
35.417	0.00	0.26	0.512	O	|	|	|	|	0.72
35.500	0.00	0.26	0.511	O	|	|	|	|	0.72
35.583	0.00	0.26	0.509	O	|	|	|	|	0.72
35.667	0.00	0.26	0.507	O	|	|	|	|	0.71
35.750	0.00	0.26	0.505	O	|	|	|	|	0.71
35.833	0.00	0.26	0.504	O	|	|	|	|	0.71
35.917	0.00	0.25	0.502	O	|	|	|	|	0.71
36.000	0.00	0.25	0.500	O	|	|	|	|	0.70
36.083	0.00	0.25	0.498	O	|	|	|	|	0.70
36.167	0.00	0.25	0.497	O	|	|	|	|	0.70
36.250	0.00	0.25	0.495	O	|	|	|	|	0.70
36.333	0.00	0.25	0.493	O	|	|	|	|	0.69
36.417	0.00	0.25	0.491	O	|	|	|	|	0.69
36.500	0.00	0.25	0.490	O	|	|	|	|	0.69
36.583	0.00	0.25	0.488	O	|	|	|	|	0.69
36.667	0.00	0.25	0.486	O	|	|	|	|	0.68
36.750	0.00	0.25	0.485	O	|	|	|	|	0.68
36.833	0.00	0.24	0.483	O	|	|	|	|	0.68
36.917	0.00	0.24	0.481	O	|	|	|	|	0.68
37.000	0.00	0.24	0.480	O	|	|	|	|	0.68
37.083	0.00	0.24	0.478	O	|	|	|	|	0.67
37.167	0.00	0.24	0.476	O	|	|	|	|	0.67
37.250	0.00	0.24	0.475	O	|	|	|	|	0.67
37.333	0.00	0.24	0.473	O	|	|	|	|	0.67
37.417	0.00	0.24	0.471	O	|	|	|	|	0.66
37.500	0.00	0.24	0.470	O	|	|	|	|	0.66
37.583	0.00	0.24	0.468	O	|	|	|	|	0.66
37.667	0.00	0.24	0.466	O	|	|	|	|	0.66
37.750	0.00	0.24	0.465	O	|	|	|	|	0.65
37.833	0.00	0.23	0.463	O	|	|	|	|	0.65
37.917	0.00	0.23	0.461	O	|	|	|	|	0.65
38.000	0.00	0.23	0.460	O	|	|	|	|	0.65
38.083	0.00	0.23	0.458	O	|	|	|	|	0.65
38.167	0.00	0.23	0.457	O	|	|	|	|	0.64
38.250	0.00	0.23	0.455	O	|	|	|	|	0.64
38.333	0.00	0.23	0.454	O	|	|	|	|	0.64
38.417	0.00	0.23	0.452	O	|	|	|	|	0.64
38.500	0.00	0.23	0.450	O	|	|	|	|	0.63
38.583	0.00	0.23	0.449	O	|	|	|	|	0.63
38.667	0.00	0.23	0.447	O	|	|	|	|	0.63
38.750	0.00	0.23	0.446	O	|	|	|	|	0.63
38.833	0.00	0.23	0.444	O	|	|	|	|	0.63
38.917	0.00	0.22	0.443	O	|	|	|	|	0.62
39.000	0.00	0.22	0.441	O	|	|	|	|	0.62
39.083	0.00	0.22	0.439	O	|	|	|	|	0.62
39.167	0.00	0.22	0.438	O	|	|	|	|	0.62
39.250	0.00	0.22	0.436	O	|	|	|	|	0.61
39.333	0.00	0.22	0.435	O	|	|	|	|	0.61
39.417	0.00	0.22	0.433	O	|	|	|	|	0.61
39.500	0.00	0.22	0.432	O	|	|	|	|	0.61

39.583	0.00	0.22	0.430	O	|	|	|	|	0.61
39.667	0.00	0.22	0.429	O	|	|	|	|	0.60
39.750	0.00	0.22	0.427	O	|	|	|	|	0.60
39.833	0.00	0.22	0.426	O	|	|	|	|	0.60
39.917	0.00	0.22	0.424	O	|	|	|	|	0.60
40.000	0.00	0.21	0.423	O	|	|	|	|	0.60
40.083	0.00	0.21	0.421	O	|	|	|	|	0.59
40.167	0.00	0.21	0.420	O	|	|	|	|	0.59
40.250	0.00	0.21	0.419	O	|	|	|	|	0.59
40.333	0.00	0.21	0.417	O	|	|	|	|	0.59
40.417	0.00	0.21	0.416	O	|	|	|	|	0.59
40.500	0.00	0.21	0.414	O	|	|	|	|	0.58
40.583	0.00	0.21	0.413	O	|	|	|	|	0.58
40.667	0.00	0.21	0.411	O	|	|	|	|	0.58
40.750	0.00	0.21	0.410	O	|	|	|	|	0.58
40.833	0.00	0.21	0.408	O	|	|	|	|	0.58
40.917	0.00	0.21	0.407	O	|	|	|	|	0.57
41.000	0.00	0.21	0.406	O	|	|	|	|	0.57
41.083	0.00	0.20	0.404	O	|	|	|	|	0.57
41.167	0.00	0.20	0.403	O	|	|	|	|	0.57
41.250	0.00	0.20	0.401	O	|	|	|	|	0.57
41.333	0.00	0.20	0.400	O	|	|	|	|	0.56
41.417	0.00	0.20	0.399	O	|	|	|	|	0.56
41.500	0.00	0.20	0.397	O	|	|	|	|	0.56
41.583	0.00	0.20	0.396	O	|	|	|	|	0.56
41.667	0.00	0.20	0.394	O	|	|	|	|	0.56
41.750	0.00	0.20	0.393	O	|	|	|	|	0.55
41.833	0.00	0.20	0.392	O	|	|	|	|	0.55
41.917	0.00	0.20	0.390	O	|	|	|	|	0.55
42.000	0.00	0.20	0.389	O	|	|	|	|	0.55
42.083	0.00	0.20	0.388	O	|	|	|	|	0.55
42.167	0.00	0.20	0.386	O	|	|	|	|	0.54
42.250	0.00	0.20	0.385	O	|	|	|	|	0.54
42.333	0.00	0.19	0.384	O	|	|	|	|	0.54
42.417	0.00	0.19	0.382	O	|	|	|	|	0.54
42.500	0.00	0.19	0.381	O	|	|	|	|	0.54
42.583	0.00	0.19	0.380	O	|	|	|	|	0.53
42.667	0.00	0.19	0.378	O	|	|	|	|	0.53
42.750	0.00	0.19	0.377	O	|	|	|	|	0.53
42.833	0.00	0.19	0.376	O	|	|	|	|	0.53
42.917	0.00	0.19	0.374	O	|	|	|	|	0.53
43.000	0.00	0.19	0.373	O	|	|	|	|	0.53
43.083	0.00	0.19	0.372	O	|	|	|	|	0.52
43.167	0.00	0.19	0.370	O	|	|	|	|	0.52
43.250	0.00	0.19	0.369	O	|	|	|	|	0.52
43.333	0.00	0.19	0.368	O	|	|	|	|	0.52
43.417	0.00	0.19	0.366	O	|	|	|	|	0.52
43.500	0.00	0.19	0.365	O	|	|	|	|	0.51
43.583	0.00	0.18	0.364	O	|	|	|	|	0.51
43.667	0.00	0.18	0.363	O	|	|	|	|	0.51
43.750	0.00	0.18	0.361	O	|	|	|	|	0.51
43.833	0.00	0.18	0.360	O	|	|	|	|	0.51
43.917	0.00	0.18	0.359	O	|	|	|	|	0.51
44.000	0.00	0.18	0.358	O	|	|	|	|	0.50
44.083	0.00	0.18	0.356	O	|	|	|	|	0.50
44.167	0.00	0.18	0.355	O	|	|	|	|	0.50
44.250	0.00	0.18	0.354	O	|	|	|	|	0.50
44.333	0.00	0.18	0.353	O	|	|	|	|	0.50
44.417	0.00	0.18	0.351	O	|	|	|	|	0.50
44.500	0.00	0.18	0.350	O	|	|	|	|	0.49
44.583	0.00	0.18	0.349	O	|	|	|	|	0.49
44.667	0.00	0.18	0.348	O	|	|	|	|	0.49
44.750	0.00	0.18	0.347	O	|	|	|	|	0.49
44.833	0.00	0.18	0.345	O	|	|	|	|	0.49
44.917	0.00	0.17	0.344	O	|	|	|	|	0.48
45.000	0.00	0.17	0.343	O	|	|	|	|	0.48
45.083	0.00	0.17	0.342	O	|	|	|	|	0.48

45.167	0.00	0.17	0.341	O					0.48
45.250	0.00	0.17	0.339	O					0.48
45.333	0.00	0.17	0.338	O					0.48
45.417	0.00	0.17	0.337	O					0.47
45.500	0.00	0.17	0.336	O					0.47
45.583	0.00	0.17	0.335	O					0.47
45.667	0.00	0.17	0.334	O					0.47
45.750	0.00	0.17	0.332	O					0.47
45.833	0.00	0.17	0.331	O					0.47
45.917	0.00	0.17	0.330	O					0.46
46.000	0.00	0.17	0.329	O					0.46
46.083	0.00	0.17	0.328	O					0.46
46.167	0.00	0.17	0.327	O					0.46
46.250	0.00	0.17	0.325	O					0.46
46.333	0.00	0.16	0.324	O					0.46
46.417	0.00	0.16	0.323	O					0.46
46.500	0.00	0.16	0.322	O					0.45
46.583	0.00	0.16	0.321	O					0.45
46.667	0.00	0.16	0.320	O					0.45
46.750	0.00	0.16	0.319	O					0.45
46.833	0.00	0.16	0.318	O					0.45
46.917	0.00	0.16	0.317	O					0.45
47.000	0.00	0.16	0.315	O					0.44
47.083	0.00	0.16	0.314	O					0.44
47.167	0.00	0.16	0.313	O					0.44
47.250	0.00	0.16	0.312	O					0.44
47.333	0.00	0.16	0.311	O					0.44
47.417	0.00	0.16	0.310	O					0.44
47.500	0.00	0.16	0.309	O					0.44
47.583	0.00	0.16	0.308	O					0.43
47.667	0.00	0.16	0.307	O					0.43
47.750	0.00	0.15	0.306	O					0.43
47.833	0.00	0.15	0.305	O					0.43
47.917	0.00	0.15	0.304	O					0.43
48.000	0.00	0.15	0.302	O					0.43
48.083	0.00	0.15	0.301	O					0.42
48.167	0.00	0.15	0.300	O					0.42
48.250	0.00	0.15	0.299	O					0.42
48.333	0.00	0.15	0.298	O					0.42
48.417	0.00	0.15	0.297	O					0.42
48.500	0.00	0.15	0.296	O					0.42
48.583	0.00	0.15	0.295	O					0.42
48.667	0.00	0.15	0.294	O					0.41
48.750	0.00	0.15	0.293	O					0.41
48.833	0.00	0.15	0.292	O					0.41
48.917	0.00	0.15	0.291	O					0.41
49.000	0.00	0.15	0.290	O					0.41
49.083	0.00	0.15	0.289	O					0.41
49.167	0.00	0.15	0.288	O					0.41
49.250	0.00	0.15	0.287	O					0.40
49.333	0.00	0.15	0.286	O					0.40
49.417	0.00	0.14	0.285	O					0.40
49.500	0.00	0.14	0.284	O					0.40
49.583	0.00	0.14	0.283	O					0.40
49.667	0.00	0.14	0.282	O					0.40
49.750	0.00	0.14	0.281	O					0.40
49.833	0.00	0.14	0.280	O					0.39
49.917	0.00	0.14	0.279	O					0.39
50.000	0.00	0.14	0.278	O					0.39
50.083	0.00	0.14	0.277	O					0.39
50.167	0.00	0.14	0.276	O					0.39
50.250	0.00	0.14	0.275	O					0.39
50.333	0.00	0.14	0.274	O					0.39
50.417	0.00	0.14	0.273	O					0.38
50.500	0.00	0.14	0.272	O					0.38
50.583	0.00	0.14	0.271	O					0.38
50.667	0.00	0.14	0.270	O					0.38

50.750	0.00	0.14	0.270	O	|	|	|	|	0.38
50.833	0.00	0.14	0.269	O	|	|	|	|	0.38
50.917	0.00	0.14	0.268	O	|	|	|	|	0.38
51.000	0.00	0.14	0.267	O	|	|	|	|	0.38
51.083	0.00	0.13	0.266	O	|	|	|	|	0.37
51.167	0.00	0.13	0.265	O	|	|	|	|	0.37
51.250	0.00	0.13	0.264	O	|	|	|	|	0.37
51.333	0.00	0.13	0.263	O	|	|	|	|	0.37
51.417	0.00	0.13	0.262	O	|	|	|	|	0.37
51.500	0.00	0.13	0.261	O	|	|	|	|	0.37
51.583	0.00	0.13	0.260	O	|	|	|	|	0.37
51.667	0.00	0.13	0.259	O	|	|	|	|	0.37
51.750	0.00	0.13	0.258	O	|	|	|	|	0.36
51.833	0.00	0.13	0.258	O	|	|	|	|	0.36
51.917	0.00	0.13	0.257	O	|	|	|	|	0.36
52.000	0.00	0.13	0.256	O	|	|	|	|	0.36
52.083	0.00	0.13	0.255	O	|	|	|	|	0.36
52.167	0.00	0.13	0.254	O	|	|	|	|	0.36
52.250	0.00	0.13	0.253	O	|	|	|	|	0.36
52.333	0.00	0.13	0.252	O	|	|	|	|	0.36
52.417	0.00	0.13	0.251	O	|	|	|	|	0.35
52.500	0.00	0.13	0.250	O	|	|	|	|	0.35
52.583	0.00	0.13	0.250	O	|	|	|	|	0.35
52.667	0.00	0.13	0.249	O	|	|	|	|	0.35
52.750	0.00	0.13	0.248	O	|	|	|	|	0.35
52.833	0.00	0.13	0.247	O	|	|	|	|	0.35
52.917	0.00	0.12	0.246	O	|	|	|	|	0.35
53.000	0.00	0.12	0.245	O	|	|	|	|	0.35
53.083	0.00	0.12	0.244	O	|	|	|	|	0.34
53.167	0.00	0.12	0.244	O	|	|	|	|	0.34
53.250	0.00	0.12	0.243	O	|	|	|	|	0.34
53.333	0.00	0.12	0.242	O	|	|	|	|	0.34
53.417	0.00	0.12	0.241	O	|	|	|	|	0.34
53.500	0.00	0.12	0.240	O	|	|	|	|	0.34
53.583	0.00	0.12	0.239	O	|	|	|	|	0.34
53.667	0.00	0.12	0.239	O	|	|	|	|	0.34
53.750	0.00	0.12	0.238	O	|	|	|	|	0.33
53.833	0.00	0.12	0.237	O	|	|	|	|	0.33
53.917	0.00	0.12	0.236	O	|	|	|	|	0.33
54.000	0.00	0.12	0.235	O	|	|	|	|	0.33
54.083	0.00	0.12	0.234	O	|	|	|	|	0.33
54.167	0.00	0.12	0.234	O	|	|	|	|	0.33
54.250	0.00	0.12	0.233	O	|	|	|	|	0.33
54.333	0.00	0.12	0.232	O	|	|	|	|	0.33
54.417	0.00	0.12	0.231	O	|	|	|	|	0.33
54.500	0.00	0.12	0.230	O	|	|	|	|	0.32
54.583	0.00	0.12	0.230	O	|	|	|	|	0.32
54.667	0.00	0.12	0.229	O	|	|	|	|	0.32
54.750	0.00	0.12	0.228	O	|	|	|	|	0.32
54.833	0.00	0.12	0.227	O	|	|	|	|	0.32
54.917	0.00	0.11	0.226	O	|	|	|	|	0.32
55.000	0.00	0.11	0.226	O	|	|	|	|	0.32
55.083	0.00	0.11	0.225	O	|	|	|	|	0.32
55.167	0.00	0.11	0.224	O	|	|	|	|	0.32
55.250	0.00	0.11	0.223	O	|	|	|	|	0.31
55.333	0.00	0.11	0.222	O	|	|	|	|	0.31
55.417	0.00	0.11	0.222	O	|	|	|	|	0.31
55.500	0.00	0.11	0.221	O	|	|	|	|	0.31
55.583	0.00	0.11	0.220	O	|	|	|	|	0.31
55.667	0.00	0.11	0.219	O	|	|	|	|	0.31
55.750	0.00	0.11	0.219	O	|	|	|	|	0.31
55.833	0.00	0.11	0.218	O	|	|	|	|	0.31
55.917	0.00	0.11	0.217	O	|	|	|	|	0.31
56.000	0.00	0.11	0.216	O	|	|	|	|	0.30
56.083	0.00	0.11	0.216	O	|	|	|	|	0.30
56.167	0.00	0.11	0.215	O	|	|	|	|	0.30
56.250	0.00	0.11	0.214	O	|	|	|	|	0.30

56.333	0.00	0.11	0.213	O	|	|	|	|	0.30
56.417	0.00	0.11	0.213	O	|	|	|	|	0.30
56.500	0.00	0.11	0.212	O	|	|	|	|	0.30
56.583	0.00	0.11	0.211	O	|	|	|	|	0.30
56.667	0.00	0.11	0.210	O	|	|	|	|	0.30
56.750	0.00	0.11	0.210	O	|	|	|	|	0.30
56.833	0.00	0.11	0.209	O	|	|	|	|	0.29
56.917	0.00	0.11	0.208	O	|	|	|	|	0.29
57.000	0.00	0.11	0.207	O	|	|	|	|	0.29
57.083	0.00	0.10	0.207	O	|	|	|	|	0.29
57.167	0.00	0.10	0.206	O	|	|	|	|	0.29
57.250	0.00	0.10	0.205	O	|	|	|	|	0.29
57.333	0.00	0.10	0.205	O	|	|	|	|	0.29
57.417	0.00	0.10	0.204	O	|	|	|	|	0.29
57.500	0.00	0.10	0.203	O	|	|	|	|	0.29
57.583	0.00	0.10	0.202	O	|	|	|	|	0.29
57.667	0.00	0.10	0.202	O	|	|	|	|	0.28
57.750	0.00	0.10	0.201	O	|	|	|	|	0.28
57.833	0.00	0.10	0.200	O	|	|	|	|	0.28
57.917	0.00	0.10	0.200	O	|	|	|	|	0.28
58.000	0.00	0.10	0.199	O	|	|	|	|	0.28
58.083	0.00	0.10	0.198	O	|	|	|	|	0.28
58.167	0.00	0.10	0.198	O	|	|	|	|	0.28
58.250	0.00	0.10	0.197	O	|	|	|	|	0.28
58.333	0.00	0.10	0.196	O	|	|	|	|	0.28
58.417	0.00	0.10	0.195	O	|	|	|	|	0.28
58.500	0.00	0.10	0.195	O	|	|	|	|	0.27
58.583	0.00	0.10	0.194	O	|	|	|	|	0.27
58.667	0.00	0.10	0.193	O	|	|	|	|	0.27
58.750	0.00	0.10	0.193	O	|	|	|	|	0.27
58.833	0.00	0.10	0.192	O	|	|	|	|	0.27
58.917	0.00	0.10	0.191	O	|	|	|	|	0.27
59.000	0.00	0.10	0.191	O	|	|	|	|	0.27
59.083	0.00	0.10	0.190	O	|	|	|	|	0.27
59.167	0.00	0.10	0.189	O	|	|	|	|	0.27
59.250	0.00	0.10	0.189	O	|	|	|	|	0.27
59.333	0.00	0.10	0.188	O	|	|	|	|	0.26
59.417	0.00	0.10	0.187	O	|	|	|	|	0.26
59.500	0.00	0.09	0.187	O	|	|	|	|	0.26
59.583	0.00	0.09	0.186	O	|	|	|	|	0.26
59.667	0.00	0.09	0.185	O	|	|	|	|	0.26
59.750	0.00	0.09	0.185	O	|	|	|	|	0.26
59.833	0.00	0.09	0.184	O	|	|	|	|	0.26
59.917	0.00	0.09	0.184	O	|	|	|	|	0.26
60.000	0.00	0.09	0.183	O	|	|	|	|	0.26
60.083	0.00	0.09	0.182	O	|	|	|	|	0.26
60.167	0.00	0.09	0.182	O	|	|	|	|	0.26
60.250	0.00	0.09	0.181	O	|	|	|	|	0.25
60.333	0.00	0.09	0.180	O	|	|	|	|	0.25
60.417	0.00	0.09	0.180	O	|	|	|	|	0.25
60.500	0.00	0.09	0.179	O	|	|	|	|	0.25
60.583	0.00	0.09	0.179	O	|	|	|	|	0.25
60.667	0.00	0.09	0.178	O	|	|	|	|	0.25
60.750	0.00	0.09	0.177	O	|	|	|	|	0.25
60.833	0.00	0.09	0.177	O	|	|	|	|	0.25
60.917	0.00	0.09	0.176	O	|	|	|	|	0.25
61.000	0.00	0.09	0.175	O	|	|	|	|	0.25
61.083	0.00	0.09	0.175	O	|	|	|	|	0.25
61.167	0.00	0.09	0.174	O	|	|	|	|	0.25
61.250	0.00	0.09	0.174	O	|	|	|	|	0.24
61.333	0.00	0.09	0.173	O	|	|	|	|	0.24
61.417	0.00	0.09	0.172	O	|	|	|	|	0.24
61.500	0.00	0.09	0.172	O	|	|	|	|	0.24
61.583	0.00	0.09	0.171	O	|	|	|	|	0.24
61.667	0.00	0.09	0.171	O	|	|	|	|	0.24
61.750	0.00	0.09	0.170	O	|	|	|	|	0.24
61.833	0.00	0.09	0.169	O	|	|	|	|	0.24

61.917	0.00	0.09	0.169	O	|	|	|	|	0.24
62.000	0.00	0.09	0.168	O	|	|	|	|	0.24
62.083	0.00	0.08	0.168	O	|	|	|	|	0.24
62.167	0.00	0.08	0.167	O	|	|	|	|	0.24
62.250	0.00	0.08	0.166	O	|	|	|	|	0.23
62.333	0.00	0.08	0.166	O	|	|	|	|	0.23
62.417	0.00	0.08	0.165	O	|	|	|	|	0.23
62.500	0.00	0.08	0.165	O	|	|	|	|	0.23
62.583	0.00	0.08	0.164	O	|	|	|	|	0.23
62.667	0.00	0.08	0.164	O	|	|	|	|	0.23
62.750	0.00	0.08	0.163	O	|	|	|	|	0.23
62.833	0.00	0.08	0.162	O	|	|	|	|	0.23
62.917	0.00	0.08	0.162	O	|	|	|	|	0.23
63.000	0.00	0.08	0.161	O	|	|	|	|	0.23
63.083	0.00	0.08	0.161	O	|	|	|	|	0.23
63.167	0.00	0.08	0.160	O	|	|	|	|	0.23
63.250	0.00	0.08	0.160	O	|	|	|	|	0.22
63.333	0.00	0.08	0.159	O	|	|	|	|	0.22
63.417	0.00	0.08	0.159	O	|	|	|	|	0.22
63.500	0.00	0.08	0.158	O	|	|	|	|	0.22
63.583	0.00	0.08	0.157	O	|	|	|	|	0.22
63.667	0.00	0.08	0.157	O	|	|	|	|	0.22
63.750	0.00	0.08	0.156	O	|	|	|	|	0.22
63.833	0.00	0.08	0.156	O	|	|	|	|	0.22
63.917	0.00	0.08	0.155	O	|	|	|	|	0.22
64.000	0.00	0.08	0.155	O	|	|	|	|	0.22
64.083	0.00	0.08	0.154	O	|	|	|	|	0.22
64.167	0.00	0.08	0.154	O	|	|	|	|	0.22
64.250	0.00	0.08	0.153	O	|	|	|	|	0.22
64.333	0.00	0.08	0.153	O	|	|	|	|	0.21
64.417	0.00	0.08	0.152	O	|	|	|	|	0.21
64.500	0.00	0.08	0.151	O	|	|	|	|	0.21
64.583	0.00	0.08	0.151	O	|	|	|	|	0.21
64.667	0.00	0.08	0.150	O	|	|	|	|	0.21
64.750	0.00	0.08	0.150	O	|	|	|	|	0.21
64.833	0.00	0.08	0.149	O	|	|	|	|	0.21
64.917	0.00	0.08	0.149	O	|	|	|	|	0.21
65.000	0.00	0.08	0.148	O	|	|	|	|	0.21
65.083	0.00	0.07	0.148	O	|	|	|	|	0.21
65.167	0.00	0.07	0.147	O	|	|	|	|	0.21
65.250	0.00	0.07	0.147	O	|	|	|	|	0.21
65.333	0.00	0.07	0.146	O	|	|	|	|	0.21
65.417	0.00	0.07	0.146	O	|	|	|	|	0.21
65.500	0.00	0.07	0.145	O	|	|	|	|	0.20
65.583	0.00	0.07	0.145	O	|	|	|	|	0.20
65.667	0.00	0.07	0.144	O	|	|	|	|	0.20
65.750	0.00	0.07	0.144	O	|	|	|	|	0.20
65.833	0.00	0.07	0.143	O	|	|	|	|	0.20
65.917	0.00	0.07	0.143	O	|	|	|	|	0.20
66.000	0.00	0.07	0.142	O	|	|	|	|	0.20
66.083	0.00	0.07	0.142	O	|	|	|	|	0.20
66.167	0.00	0.07	0.141	O	|	|	|	|	0.20
66.250	0.00	0.07	0.141	O	|	|	|	|	0.20
66.333	0.00	0.07	0.140	O	|	|	|	|	0.20
66.417	0.00	0.07	0.140	O	|	|	|	|	0.20
66.500	0.00	0.07	0.139	O	|	|	|	|	0.20
66.583	0.00	0.07	0.139	O	|	|	|	|	0.20
66.667	0.00	0.07	0.138	O	|	|	|	|	0.19
66.750	0.00	0.07	0.138	O	|	|	|	|	0.19
66.833	0.00	0.07	0.137	O	|	|	|	|	0.19
66.917	0.00	0.07	0.137	O	|	|	|	|	0.19
67.000	0.00	0.07	0.136	O	|	|	|	|	0.19
67.083	0.00	0.07	0.136	O	|	|	|	|	0.19
67.167	0.00	0.07	0.135	O	|	|	|	|	0.19
67.250	0.00	0.07	0.135	O	|	|	|	|	0.19
67.333	0.00	0.07	0.135	O	|	|	|	|	0.19
67.417	0.00	0.07	0.134	O	|	|	|	|	0.19

67.500	0.00	0.07	0.134	O	|	|	|	|	0.19
67.583	0.00	0.07	0.133	O	|	|	|	|	0.19
67.667	0.00	0.07	0.133	O	|	|	|	|	0.19
67.750	0.00	0.07	0.132	O	|	|	|	|	0.19
67.833	0.00	0.07	0.132	O	|	|	|	|	0.19
67.917	0.00	0.07	0.131	O	|	|	|	|	0.18
68.000	0.00	0.07	0.131	O	|	|	|	|	0.18
68.083	0.00	0.07	0.130	O	|	|	|	|	0.18
68.167	0.00	0.07	0.130	O	|	|	|	|	0.18
68.250	0.00	0.07	0.129	O	|	|	|	|	0.18
68.333	0.00	0.07	0.129	O	|	|	|	|	0.18
68.417	0.00	0.07	0.129	O	|	|	|	|	0.18
68.500	0.00	0.06	0.128	O	|	|	|	|	0.18
68.583	0.00	0.06	0.128	O	|	|	|	|	0.18
68.667	0.00	0.06	0.127	O	|	|	|	|	0.18
68.750	0.00	0.06	0.127	O	|	|	|	|	0.18
68.833	0.00	0.06	0.126	O	|	|	|	|	0.18
68.917	0.00	0.06	0.126	O	|	|	|	|	0.18
69.000	0.00	0.06	0.125	O	|	|	|	|	0.18
69.083	0.00	0.06	0.125	O	|	|	|	|	0.18
69.167	0.00	0.06	0.125	O	|	|	|	|	0.18
69.250	0.00	0.06	0.124	O	|	|	|	|	0.17
69.333	0.00	0.06	0.124	O	|	|	|	|	0.17
69.417	0.00	0.06	0.123	O	|	|	|	|	0.17
69.500	0.00	0.06	0.123	O	|	|	|	|	0.17
69.583	0.00	0.06	0.122	O	|	|	|	|	0.17
69.667	0.00	0.06	0.122	O	|	|	|	|	0.17
69.750	0.00	0.06	0.122	O	|	|	|	|	0.17
69.833	0.00	0.06	0.121	O	|	|	|	|	0.17
69.917	0.00	0.06	0.121	O	|	|	|	|	0.17
70.000	0.00	0.06	0.120	O	|	|	|	|	0.17
70.083	0.00	0.06	0.120	O	|	|	|	|	0.17
70.167	0.00	0.06	0.119	O	|	|	|	|	0.17
70.250	0.00	0.06	0.119	O	|	|	|	|	0.17
70.333	0.00	0.06	0.119	O	|	|	|	|	0.17
70.417	0.00	0.06	0.118	O	|	|	|	|	0.17
70.500	0.00	0.06	0.118	O	|	|	|	|	0.17
70.583	0.00	0.06	0.117	O	|	|	|	|	0.17
70.667	0.00	0.06	0.117	O	|	|	|	|	0.16
70.750	0.00	0.06	0.117	O	|	|	|	|	0.16
70.833	0.00	0.06	0.116	O	|	|	|	|	0.16
70.917	0.00	0.06	0.116	O	|	|	|	|	0.16
71.000	0.00	0.06	0.115	O	|	|	|	|	0.16
71.083	0.00	0.06	0.115	O	|	|	|	|	0.16
71.167	0.00	0.06	0.115	O	|	|	|	|	0.16
71.250	0.00	0.06	0.114	O	|	|	|	|	0.16
71.333	0.00	0.06	0.114	O	|	|	|	|	0.16
71.417	0.00	0.06	0.113	O	|	|	|	|	0.16
71.500	0.00	0.06	0.113	O	|	|	|	|	0.16
71.583	0.00	0.06	0.113	O	|	|	|	|	0.16
71.667	0.00	0.06	0.112	O	|	|	|	|	0.16
71.750	0.00	0.06	0.112	O	|	|	|	|	0.16
71.833	0.00	0.06	0.111	O	|	|	|	|	0.16
71.917	0.00	0.06	0.111	O	|	|	|	|	0.16
72.000	0.00	0.06	0.111	O	|	|	|	|	0.16
72.083	0.00	0.06	0.110	O	|	|	|	|	0.16
72.167	0.00	0.06	0.110	O	|	|	|	|	0.15
72.250	0.00	0.06	0.109	O	|	|	|	|	0.15
72.333	0.00	0.06	0.109	O	|	|	|	|	0.15
72.417	0.00	0.06	0.109	O	|	|	|	|	0.15
72.500	0.00	0.05	0.108	O	|	|	|	|	0.15
72.583	0.00	0.05	0.108	O	|	|	|	|	0.15
72.667	0.00	0.05	0.108	O	|	|	|	|	0.15
72.750	0.00	0.05	0.107	O	|	|	|	|	0.15
72.833	0.00	0.05	0.107	O	|	|	|	|	0.15
72.917	0.00	0.05	0.106	O	|	|	|	|	0.15
73.000	0.00	0.05	0.106	O	|	|	|	|	0.15

73.083	0.00	0.05	0.106	O	|	|	|	0.15
73.167	0.00	0.05	0.105	O	|	|	|	0.15
73.250	0.00	0.05	0.105	O	|	|	|	0.15
73.333	0.00	0.05	0.105	O	|	|	|	0.15
73.417	0.00	0.05	0.104	O	|	|	|	0.15
73.500	0.00	0.05	0.104	O	|	|	|	0.15
73.583	0.00	0.05	0.104	O	|	|	|	0.15
73.667	0.00	0.05	0.103	O	|	|	|	0.15
73.750	0.00	0.05	0.103	O	|	|	|	0.14
73.833	0.00	0.05	0.102	O	|	|	|	0.14
73.917	0.00	0.05	0.102	O	|	|	|	0.14
74.000	0.00	0.05	0.102	O	|	|	|	0.14
74.083	0.00	0.05	0.101	O	|	|	|	0.14
74.167	0.00	0.05	0.101	O	|	|	|	0.14
74.250	0.00	0.05	0.101	O	|	|	|	0.14
74.333	0.00	0.05	0.100	O	|	|	|	0.14
74.417	0.00	0.05	0.100	O	|	|	|	0.14
74.500	0.00	0.05	0.100	O	|	|	|	0.14
74.583	0.00	0.05	0.099	O	|	|	|	0.14
74.667	0.00	0.05	0.099	O	|	|	|	0.14
74.750	0.00	0.05	0.099	O	|	|	|	0.14
74.833	0.00	0.05	0.098	O	|	|	|	0.14
74.917	0.00	0.05	0.098	O	|	|	|	0.14
75.000	0.00	0.05	0.098	O	|	|	|	0.14
75.083	0.00	0.05	0.097	O	|	|	|	0.14
75.167	0.00	0.05	0.097	O	|	|	|	0.14
75.250	0.00	0.05	0.097	O	|	|	|	0.14
75.333	0.00	0.05	0.096	O	|	|	|	0.14
75.417	0.00	0.05	0.096	O	|	|	|	0.14
75.500	0.00	0.05	0.096	O	|	|	|	0.13
75.583	0.00	0.05	0.095	O	|	|	|	0.13
75.667	0.00	0.05	0.095	O	|	|	|	0.13
75.750	0.00	0.05	0.095	O	|	|	|	0.13
75.833	0.00	0.05	0.094	O	|	|	|	0.13
75.917	0.00	0.05	0.094	O	|	|	|	0.13
76.000	0.00	0.05	0.094	O	|	|	|	0.13
76.083	0.00	0.05	0.093	O	|	|	|	0.13
76.167	0.00	0.05	0.093	O	|	|	|	0.13
76.250	0.00	0.05	0.093	O	|	|	|	0.13
76.333	0.00	0.05	0.092	O	|	|	|	0.13
76.417	0.00	0.05	0.092	O	|	|	|	0.13
76.500	0.00	0.05	0.092	O	|	|	|	0.13
76.583	0.00	0.05	0.091	O	|	|	|	0.13
76.667	0.00	0.05	0.091	O	|	|	|	0.13
76.750	0.00	0.05	0.091	O	|	|	|	0.13
76.833	0.00	0.05	0.090	O	|	|	|	0.13
76.917	0.00	0.05	0.090	O	|	|	|	0.13
77.000	0.00	0.05	0.090	O	|	|	|	0.13
77.083	0.00	0.05	0.089	O	|	|	|	0.13
77.167	0.00	0.05	0.089	O	|	|	|	0.13
77.250	0.00	0.05	0.089	O	|	|	|	0.13
77.333	0.00	0.04	0.088	O	|	|	|	0.12
77.417	0.00	0.04	0.088	O	|	|	|	0.12
77.500	0.00	0.04	0.088	O	|	|	|	0.12
77.583	0.00	0.04	0.088	O	|	|	|	0.12
77.667	0.00	0.04	0.087	O	|	|	|	0.12
77.750	0.00	0.04	0.087	O	|	|	|	0.12
77.833	0.00	0.04	0.087	O	|	|	|	0.12
77.917	0.00	0.04	0.086	O	|	|	|	0.12
78.000	0.00	0.04	0.086	O	|	|	|	0.12
78.083	0.00	0.04	0.086	O	|	|	|	0.12
78.167	0.00	0.04	0.085	O	|	|	|	0.12
78.250	0.00	0.04	0.085	O	|	|	|	0.12
78.333	0.00	0.04	0.085	O	|	|	|	0.12
78.417	0.00	0.04	0.085	O	|	|	|	0.12
78.500	0.00	0.04	0.084	O	|	|	|	0.12
78.583	0.00	0.04	0.084	O	|	|	|	0.12

78.667	0.00	0.04	0.084	O	|	|	|	0.12
78.750	0.00	0.04	0.083	O	|	|	|	0.12
78.833	0.00	0.04	0.083	O	|	|	|	0.12
78.917	0.00	0.04	0.083	O	|	|	|	0.12
79.000	0.00	0.04	0.083	O	|	|	|	0.12
79.083	0.00	0.04	0.082	O	|	|	|	0.12
79.167	0.00	0.04	0.082	O	|	|	|	0.12
79.250	0.00	0.04	0.082	O	|	|	|	0.11
79.333	0.00	0.04	0.081	O	|	|	|	0.11
79.417	0.00	0.04	0.081	O	|	|	|	0.11
79.500	0.00	0.04	0.081	O	|	|	|	0.11
79.583	0.00	0.04	0.081	O	|	|	|	0.11
79.667	0.00	0.04	0.080	O	|	|	|	0.11
79.750	0.00	0.04	0.080	O	|	|	|	0.11
79.833	0.00	0.04	0.080	O	|	|	|	0.11
79.917	0.00	0.04	0.079	O	|	|	|	0.11
80.000	0.00	0.04	0.079	O	|	|	|	0.11
80.083	0.00	0.04	0.079	O	|	|	|	0.11
80.167	0.00	0.04	0.079	O	|	|	|	0.11
80.250	0.00	0.04	0.078	O	|	|	|	0.11
80.333	0.00	0.04	0.078	O	|	|	|	0.11
80.417	0.00	0.04	0.078	O	|	|	|	0.11
80.500	0.00	0.04	0.077	O	|	|	|	0.11
80.583	0.00	0.04	0.077	O	|	|	|	0.11
80.667	0.00	0.04	0.077	O	|	|	|	0.11
80.750	0.00	0.04	0.077	O	|	|	|	0.11
80.833	0.00	0.04	0.076	O	|	|	|	0.11
80.917	0.00	0.04	0.076	O	|	|	|	0.11
81.000	0.00	0.04	0.076	O	|	|	|	0.11
81.083	0.00	0.04	0.076	O	|	|	|	0.11
81.167	0.00	0.04	0.075	O	|	|	|	0.11
81.250	0.00	0.04	0.075	O	|	|	|	0.11
81.333	0.00	0.04	0.075	O	|	|	|	0.11
81.417	0.00	0.04	0.075	O	|	|	|	0.11
81.500	0.00	0.04	0.074	O	|	|	|	0.10
81.583	0.00	0.04	0.074	O	|	|	|	0.10
81.667	0.00	0.04	0.074	O	|	|	|	0.10
81.750	0.00	0.04	0.074	O	|	|	|	0.10
81.833	0.00	0.04	0.073	O	|	|	|	0.10
81.917	0.00	0.04	0.073	O	|	|	|	0.10
82.000	0.00	0.04	0.073	O	|	|	|	0.10
82.083	0.00	0.04	0.073	O	|	|	|	0.10
82.167	0.00	0.04	0.072	O	|	|	|	0.10
82.250	0.00	0.04	0.072	O	|	|	|	0.10
82.333	0.00	0.04	0.072	O	|	|	|	0.10
82.417	0.00	0.04	0.072	O	|	|	|	0.10
82.500	0.00	0.04	0.071	O	|	|	|	0.10
82.583	0.00	0.04	0.071	O	|	|	|	0.10
82.667	0.00	0.04	0.071	O	|	|	|	0.10
82.750	0.00	0.04	0.071	O	|	|	|	0.10
82.833	0.00	0.04	0.070	O	|	|	|	0.10
82.917	0.00	0.04	0.070	O	|	|	|	0.10
83.000	0.00	0.04	0.070	O	|	|	|	0.10
83.083	0.00	0.04	0.070	O	|	|	|	0.10
83.167	0.00	0.04	0.069	O	|	|	|	0.10
83.250	0.00	0.04	0.069	O	|	|	|	0.10
83.333	0.00	0.03	0.069	O	|	|	|	0.10
83.417	0.00	0.03	0.069	O	|	|	|	0.10
83.500	0.00	0.03	0.068	O	|	|	|	0.10
83.583	0.00	0.03	0.068	O	|	|	|	0.10
83.667	0.00	0.03	0.068	O	|	|	|	0.10
83.750	0.00	0.03	0.068	O	|	|	|	0.10
83.833	0.00	0.03	0.067	O	|	|	|	0.09
83.917	0.00	0.03	0.067	O	|	|	|	0.09
84.000	0.00	0.03	0.067	O	|	|	|	0.09
84.083	0.00	0.03	0.067	O	|	|	|	0.09
84.167	0.00	0.03	0.066	O	|	|	|	0.09

84.250	0.00	0.03	0.066	O	|	|	|	0.09
84.333	0.00	0.03	0.066	O	|	|	|	0.09
84.417	0.00	0.03	0.066	O	|	|	|	0.09
84.500	0.00	0.03	0.066	O	|	|	|	0.09
84.583	0.00	0.03	0.065	O	|	|	|	0.09
84.667	0.00	0.03	0.065	O	|	|	|	0.09
84.750	0.00	0.03	0.065	O	|	|	|	0.09
84.833	0.00	0.03	0.065	O	|	|	|	0.09
84.917	0.00	0.03	0.064	O	|	|	|	0.09
85.000	0.00	0.03	0.064	O	|	|	|	0.09
85.083	0.00	0.03	0.064	O	|	|	|	0.09
85.167	0.00	0.03	0.064	O	|	|	|	0.09
85.250	0.00	0.03	0.063	O	|	|	|	0.09
85.333	0.00	0.03	0.063	O	|	|	|	0.09
85.417	0.00	0.03	0.063	O	|	|	|	0.09
85.500	0.00	0.03	0.063	O	|	|	|	0.09
85.583	0.00	0.03	0.063	O	|	|	|	0.09
85.667	0.00	0.03	0.062	O	|	|	|	0.09
85.750	0.00	0.03	0.062	O	|	|	|	0.09
85.833	0.00	0.03	0.062	O	|	|	|	0.09
85.917	0.00	0.03	0.062	O	|	|	|	0.09
86.000	0.00	0.03	0.062	O	|	|	|	0.09
86.083	0.00	0.03	0.061	O	|	|	|	0.09
86.167	0.00	0.03	0.061	O	|	|	|	0.09
86.250	0.00	0.03	0.061	O	|	|	|	0.09
86.333	0.00	0.03	0.061	O	|	|	|	0.09
86.417	0.00	0.03	0.060	O	|	|	|	0.09
86.500	0.00	0.03	0.060	O	|	|	|	0.08
86.583	0.00	0.03	0.060	O	|	|	|	0.08
86.667	0.00	0.03	0.060	O	|	|	|	0.08
86.750	0.00	0.03	0.060	O	|	|	|	0.08
86.833	0.00	0.03	0.059	O	|	|	|	0.08
86.917	0.00	0.03	0.059	O	|	|	|	0.08
87.000	0.00	0.03	0.059	O	|	|	|	0.08
87.083	0.00	0.03	0.059	O	|	|	|	0.08
87.167	0.00	0.03	0.059	O	|	|	|	0.08
87.250	0.00	0.03	0.058	O	|	|	|	0.08
87.333	0.00	0.03	0.058	O	|	|	|	0.08
87.417	0.00	0.03	0.058	O	|	|	|	0.08
87.500	0.00	0.03	0.058	O	|	|	|	0.08
87.583	0.00	0.03	0.058	O	|	|	|	0.08
87.667	0.00	0.03	0.057	O	|	|	|	0.08
87.750	0.00	0.03	0.057	O	|	|	|	0.08
87.833	0.00	0.03	0.057	O	|	|	|	0.08
87.917	0.00	0.03	0.057	O	|	|	|	0.08
88.000	0.00	0.03	0.057	O	|	|	|	0.08
88.083	0.00	0.03	0.056	O	|	|	|	0.08
88.167	0.00	0.03	0.056	O	|	|	|	0.08
88.250	0.00	0.03	0.056	O	|	|	|	0.08
88.333	0.00	0.03	0.056	O	|	|	|	0.08
88.417	0.00	0.03	0.056	O	|	|	|	0.08
88.500	0.00	0.03	0.055	O	|	|	|	0.08
88.583	0.00	0.03	0.055	O	|	|	|	0.08
88.667	0.00	0.03	0.055	O	|	|	|	0.08
88.750	0.00	0.03	0.055	O	|	|	|	0.08
88.833	0.00	0.03	0.055	O	|	|	|	0.08
88.917	0.00	0.03	0.054	O	|	|	|	0.08
89.000	0.00	0.03	0.054	O	|	|	|	0.08
89.083	0.00	0.03	0.054	O	|	|	|	0.08
89.167	0.00	0.03	0.054	O	|	|	|	0.08
89.250	0.00	0.03	0.054	O	|	|	|	0.08
89.333	0.00	0.03	0.054	O	|	|	|	0.08
89.417	0.00	0.03	0.053	O	|	|	|	0.08
89.500	0.00	0.03	0.053	O	|	|	|	0.07
89.583	0.00	0.03	0.053	O	|	|	|	0.07
89.667	0.00	0.03	0.053	O	|	|	|	0.07
89.750	0.00	0.03	0.053	O	|	|	|	0.07

89.833	0.00	0.03	0.052	O	|	|	|	|	0.07
89.917	0.00	0.03	0.052	O	|	|	|	|	0.07
90.000	0.00	0.03	0.052	O	|	|	|	|	0.07
90.083	0.00	0.03	0.052	O	|	|	|	|	0.07
90.167	0.00	0.03	0.052	O	|	|	|	|	0.07
90.250	0.00	0.03	0.051	O	|	|	|	|	0.07
90.333	0.00	0.03	0.051	O	|	|	|	|	0.07
90.417	0.00	0.03	0.051	O	|	|	|	|	0.07
90.500	0.00	0.03	0.051	O	|	|	|	|	0.07
90.583	0.00	0.03	0.051	O	|	|	|	|	0.07
90.667	0.00	0.03	0.051	O	|	|	|	|	0.07
90.750	0.00	0.03	0.050	O	|	|	|	|	0.07
90.833	0.00	0.03	0.050	O	|	|	|	|	0.07
90.917	0.00	0.03	0.050	O	|	|	|	|	0.07
91.000	0.00	0.03	0.050	O	|	|	|	|	0.07
91.083	0.00	0.03	0.050	O	|	|	|	|	0.07
91.167	0.00	0.03	0.050	O	|	|	|	|	0.07
91.250	0.00	0.03	0.049	O	|	|	|	|	0.07
91.333	0.00	0.02	0.049	O	|	|	|	|	0.07
91.417	0.00	0.02	0.049	O	|	|	|	|	0.07
91.500	0.00	0.02	0.049	O	|	|	|	|	0.07
91.583	0.00	0.02	0.049	O	|	|	|	|	0.07
91.667	0.00	0.02	0.049	O	|	|	|	|	0.07
91.750	0.00	0.02	0.048	O	|	|	|	|	0.07
91.833	0.00	0.02	0.048	O	|	|	|	|	0.07
91.917	0.00	0.02	0.048	O	|	|	|	|	0.07
92.000	0.00	0.02	0.048	O	|	|	|	|	0.07
92.083	0.00	0.02	0.048	O	|	|	|	|	0.07
92.167	0.00	0.02	0.048	O	|	|	|	|	0.07
92.250	0.00	0.02	0.047	O	|	|	|	|	0.07
92.333	0.00	0.02	0.047	O	|	|	|	|	0.07
92.417	0.00	0.02	0.047	O	|	|	|	|	0.07
92.500	0.00	0.02	0.047	O	|	|	|	|	0.07
92.583	0.00	0.02	0.047	O	|	|	|	|	0.07
92.667	0.00	0.02	0.047	O	|	|	|	|	0.07
92.750	0.00	0.02	0.046	O	|	|	|	|	0.07
92.833	0.00	0.02	0.046	O	|	|	|	|	0.07
92.917	0.00	0.02	0.046	O	|	|	|	|	0.06
93.000	0.00	0.02	0.046	O	|	|	|	|	0.06
93.083	0.00	0.02	0.046	O	|	|	|	|	0.06
93.167	0.00	0.02	0.046	O	|	|	|	|	0.06
93.250	0.00	0.02	0.045	O	|	|	|	|	0.06
93.333	0.00	0.02	0.045	O	|	|	|	|	0.06
93.417	0.00	0.02	0.045	O	|	|	|	|	0.06
93.500	0.00	0.02	0.045	O	|	|	|	|	0.06
93.583	0.00	0.02	0.045	O	|	|	|	|	0.06
93.667	0.00	0.02	0.045	O	|	|	|	|	0.06
93.750	0.00	0.02	0.044	O	|	|	|	|	0.06
93.833	0.00	0.02	0.044	O	|	|	|	|	0.06
93.917	0.00	0.02	0.044	O	|	|	|	|	0.06
94.000	0.00	0.02	0.044	O	|	|	|	|	0.06
94.083	0.00	0.02	0.044	O	|	|	|	|	0.06
94.167	0.00	0.02	0.044	O	|	|	|	|	0.06
94.250	0.00	0.02	0.044	O	|	|	|	|	0.06
94.333	0.00	0.02	0.043	O	|	|	|	|	0.06
94.417	0.00	0.02	0.043	O	|	|	|	|	0.06
94.500	0.00	0.02	0.043	O	|	|	|	|	0.06
94.583	0.00	0.02	0.043	O	|	|	|	|	0.06
94.667	0.00	0.02	0.043	O	|	|	|	|	0.06
94.750	0.00	0.02	0.043	O	|	|	|	|	0.06
94.833	0.00	0.02	0.042	O	|	|	|	|	0.06
94.917	0.00	0.02	0.042	O	|	|	|	|	0.06
95.000	0.00	0.02	0.042	O	|	|	|	|	0.06
95.083	0.00	0.02	0.042	O	|	|	|	|	0.06
95.167	0.00	0.02	0.042	O	|	|	|	|	0.06
95.250	0.00	0.02	0.042	O	|	|	|	|	0.06
95.333	0.00	0.02	0.042	O	|	|	|	|	0.06

95.417	0.00	0.02	0.041	O	|	|	|	0.06
95.500	0.00	0.02	0.041	O	|	|	|	0.06
95.583	0.00	0.02	0.041	O	|	|	|	0.06
95.667	0.00	0.02	0.041	O	|	|	|	0.06
95.750	0.00	0.02	0.041	O	|	|	|	0.06
95.833	0.00	0.02	0.041	O	|	|	|	0.06
95.917	0.00	0.02	0.041	O	|	|	|	0.06
96.000	0.00	0.02	0.040	O	|	|	|	0.06
96.083	0.00	0.02	0.040	O	|	|	|	0.06
96.167	0.00	0.02	0.040	O	|	|	|	0.06
96.250	0.00	0.02	0.040	O	|	|	|	0.06
96.333	0.00	0.02	0.040	O	|	|	|	0.06
96.417	0.00	0.02	0.040	O	|	|	|	0.06
96.500	0.00	0.02	0.040	O	|	|	|	0.06
96.583	0.00	0.02	0.039	O	|	|	|	0.06
96.667	0.00	0.02	0.039	O	|	|	|	0.06
96.750	0.00	0.02	0.039	O	|	|	|	0.06
96.833	0.00	0.02	0.039	O	|	|	|	0.06
96.917	0.00	0.02	0.039	O	|	|	|	0.05
97.000	0.00	0.02	0.039	O	|	|	|	0.05
97.083	0.00	0.02	0.039	O	|	|	|	0.05
97.167	0.00	0.02	0.039	O	|	|	|	0.05
97.250	0.00	0.02	0.038	O	|	|	|	0.05
97.333	0.00	0.02	0.038	O	|	|	|	0.05
97.417	0.00	0.02	0.038	O	|	|	|	0.05
97.500	0.00	0.02	0.038	O	|	|	|	0.05
97.583	0.00	0.02	0.038	O	|	|	|	0.05
97.667	0.00	0.02	0.038	O	|	|	|	0.05
97.750	0.00	0.02	0.038	O	|	|	|	0.05
97.833	0.00	0.02	0.037	O	|	|	|	0.05
97.917	0.00	0.02	0.037	O	|	|	|	0.05
98.000	0.00	0.02	0.037	O	|	|	|	0.05
98.083	0.00	0.02	0.037	O	|	|	|	0.05
98.167	0.00	0.02	0.037	O	|	|	|	0.05
98.250	0.00	0.02	0.037	O	|	|	|	0.05
98.333	0.00	0.02	0.037	O	|	|	|	0.05
98.417	0.00	0.02	0.037	O	|	|	|	0.05
98.500	0.00	0.02	0.036	O	|	|	|	0.05
98.583	0.00	0.02	0.036	O	|	|	|	0.05
98.667	0.00	0.02	0.036	O	|	|	|	0.05
98.750	0.00	0.02	0.036	O	|	|	|	0.05
98.833	0.00	0.02	0.036	O	|	|	|	0.05
98.917	0.00	0.02	0.036	O	|	|	|	0.05
99.000	0.00	0.02	0.036	O	|	|	|	0.05
99.083	0.00	0.02	0.036	O	|	|	|	0.05
99.167	0.00	0.02	0.035	O	|	|	|	0.05
99.250	0.00	0.02	0.035	O	|	|	|	0.05
99.333	0.00	0.02	0.035	O	|	|	|	0.05
99.417	0.00	0.02	0.035	O	|	|	|	0.05
99.500	0.00	0.02	0.035	O	|	|	|	0.05
99.583	0.00	0.02	0.035	O	|	|	|	0.05
99.667	0.00	0.02	0.035	O	|	|	|	0.05
99.750	0.00	0.02	0.035	O	|	|	|	0.05
99.833	0.00	0.02	0.034	O	|	|	|	0.05
99.917	0.00	0.02	0.034	O	|	|	|	0.05
100.000	0.00	0.02	0.034	O	|	|	|	0.05
100.083	0.00	0.02	0.034	O	|	|	|	0.05
100.167	0.00	0.02	0.034	O	|	|	|	0.05
100.250	0.00	0.02	0.034	O	|	|	|	0.05
100.333	0.00	0.02	0.034	O	|	|	|	0.05
100.417	0.00	0.02	0.034	O	|	|	|	0.05
100.500	0.00	0.02	0.034	O	|	|	|	0.05
100.583	0.00	0.02	0.033	O	|	|	|	0.05
100.667	0.00	0.02	0.033	O	|	|	|	0.05
100.750	0.00	0.02	0.033	O	|	|	|	0.05
100.833	0.00	0.02	0.033	O	|	|	|	0.05
100.917	0.00	0.02	0.033	O	|	|	|	0.05

101.000	0.00	0.02	0.033	O	|	|	|	0.05
101.083	0.00	0.02	0.033	O	|	|	|	0.05
101.167	0.00	0.02	0.033	O	|	|	|	0.05
101.250	0.00	0.02	0.032	O	|	|	|	0.05
101.333	0.00	0.02	0.032	O	|	|	|	0.05
101.417	0.00	0.02	0.032	O	|	|	|	0.05
101.500	0.00	0.02	0.032	O	|	|	|	0.05
101.583	0.00	0.02	0.032	O	|	|	|	0.05
101.667	0.00	0.02	0.032	O	|	|	|	0.04
101.750	0.00	0.02	0.032	O	|	|	|	0.04
101.833	0.00	0.02	0.032	O	|	|	|	0.04
101.917	0.00	0.02	0.032	O	|	|	|	0.04
102.000	0.00	0.02	0.031	O	|	|	|	0.04
102.083	0.00	0.02	0.031	O	|	|	|	0.04
102.167	0.00	0.02	0.031	O	|	|	|	0.04
102.250	0.00	0.02	0.031	O	|	|	|	0.04
102.333	0.00	0.02	0.031	O	|	|	|	0.04
102.417	0.00	0.02	0.031	O	|	|	|	0.04
102.500	0.00	0.02	0.031	O	|	|	|	0.04
102.583	0.00	0.02	0.031	O	|	|	|	0.04
102.667	0.00	0.02	0.031	O	|	|	|	0.04
102.750	0.00	0.02	0.030	O	|	|	|	0.04
102.833	0.00	0.02	0.030	O	|	|	|	0.04
102.917	0.00	0.02	0.030	O	|	|	|	0.04
103.000	0.00	0.02	0.030	O	|	|	|	0.04
103.083	0.00	0.02	0.030	O	|	|	|	0.04
103.167	0.00	0.02	0.030	O	|	|	|	0.04
103.250	0.00	0.02	0.030	O	|	|	|	0.04
103.333	0.00	0.02	0.030	O	|	|	|	0.04
103.417	0.00	0.02	0.030	O	|	|	|	0.04
103.500	0.00	0.01	0.030	O	|	|	|	0.04
103.583	0.00	0.01	0.029	O	|	|	|	0.04
103.667	0.00	0.01	0.029	O	|	|	|	0.04
103.750	0.00	0.01	0.029	O	|	|	|	0.04
103.833	0.00	0.01	0.029	O	|	|	|	0.04
103.917	0.00	0.01	0.029	O	|	|	|	0.04
104.000	0.00	0.01	0.029	O	|	|	|	0.04
104.083	0.00	0.01	0.029	O	|	|	|	0.04
104.167	0.00	0.01	0.029	O	|	|	|	0.04
104.250	0.00	0.01	0.029	O	|	|	|	0.04
104.333	0.00	0.01	0.029	O	|	|	|	0.04
104.417	0.00	0.01	0.028	O	|	|	|	0.04
104.500	0.00	0.01	0.028	O	|	|	|	0.04
104.583	0.00	0.01	0.028	O	|	|	|	0.04
104.667	0.00	0.01	0.028	O	|	|	|	0.04
104.750	0.00	0.01	0.028	O	|	|	|	0.04
104.833	0.00	0.01	0.028	O	|	|	|	0.04
104.917	0.00	0.01	0.028	O	|	|	|	0.04
105.000	0.00	0.01	0.028	O	|	|	|	0.04
105.083	0.00	0.01	0.028	O	|	|	|	0.04
105.167	0.00	0.01	0.028	O	|	|	|	0.04
105.250	0.00	0.01	0.027	O	|	|	|	0.04
105.333	0.00	0.01	0.027	O	|	|	|	0.04
105.417	0.00	0.01	0.027	O	|	|	|	0.04
105.500	0.00	0.01	0.027	O	|	|	|	0.04
105.583	0.00	0.01	0.027	O	|	|	|	0.04
105.667	0.00	0.01	0.027	O	|	|	|	0.04
105.750	0.00	0.01	0.027	O	|	|	|	0.04
105.833	0.00	0.01	0.027	O	|	|	|	0.04
105.917	0.00	0.01	0.027	O	|	|	|	0.04
106.000	0.00	0.01	0.027	O	|	|	|	0.04
106.083	0.00	0.01	0.027	O	|	|	|	0.04
106.167	0.00	0.01	0.026	O	|	|	|	0.04
106.250	0.00	0.01	0.026	O	|	|	|	0.04
106.333	0.00	0.01	0.026	O	|	|	|	0.04
106.417	0.00	0.01	0.026	O	|	|	|	0.04
106.500	0.00	0.01	0.026	O	|	|	|	0.04

106.583	0.00	0.01	0.026	O	|	|	|	|	0.04
106.667	0.00	0.01	0.026	O	|	|	|	|	0.04
106.750	0.00	0.01	0.026	O	|	|	|	|	0.04
106.833	0.00	0.01	0.026	O	|	|	|	|	0.04
106.917	0.00	0.01	0.026	O	|	|	|	|	0.04
107.000	0.00	0.01	0.026	O	|	|	|	|	0.04
107.083	0.00	0.01	0.025	O	|	|	|	|	0.04
107.167	0.00	0.01	0.025	O	|	|	|	|	0.04
107.250	0.00	0.01	0.025	O	|	|	|	|	0.04
107.333	0.00	0.01	0.025	O	|	|	|	|	0.04
107.417	0.00	0.01	0.025	O	|	|	|	|	0.04
107.500	0.00	0.01	0.025	O	|	|	|	|	0.04
107.583	0.00	0.01	0.025	O	|	|	|	|	0.04
107.667	0.00	0.01	0.025	O	|	|	|	|	0.03
107.750	0.00	0.01	0.025	O	|	|	|	|	0.03
107.833	0.00	0.01	0.025	O	|	|	|	|	0.03
107.917	0.00	0.01	0.025	O	|	|	|	|	0.03
108.000	0.00	0.01	0.024	O	|	|	|	|	0.03
108.083	0.00	0.01	0.024	O	|	|	|	|	0.03
108.167	0.00	0.01	0.024	O	|	|	|	|	0.03
108.250	0.00	0.01	0.024	O	|	|	|	|	0.03
108.333	0.00	0.01	0.024	O	|	|	|	|	0.03
108.417	0.00	0.01	0.024	O	|	|	|	|	0.03
108.500	0.00	0.01	0.024	O	|	|	|	|	0.03
108.583	0.00	0.01	0.024	O	|	|	|	|	0.03
108.667	0.00	0.01	0.024	O	|	|	|	|	0.03
108.750	0.00	0.01	0.024	O	|	|	|	|	0.03
108.833	0.00	0.01	0.024	O	|	|	|	|	0.03
108.917	0.00	0.01	0.024	O	|	|	|	|	0.03
109.000	0.00	0.01	0.023	O	|	|	|	|	0.03
109.083	0.00	0.01	0.023	O	|	|	|	|	0.03
109.167	0.00	0.01	0.023	O	|	|	|	|	0.03
109.250	0.00	0.01	0.023	O	|	|	|	|	0.03
109.333	0.00	0.01	0.023	O	|	|	|	|	0.03
109.417	0.00	0.01	0.023	O	|	|	|	|	0.03
109.500	0.00	0.01	0.023	O	|	|	|	|	0.03
109.583	0.00	0.01	0.023	O	|	|	|	|	0.03
109.667	0.00	0.01	0.023	O	|	|	|	|	0.03
109.750	0.00	0.01	0.023	O	|	|	|	|	0.03
109.833	0.00	0.01	0.023	O	|	|	|	|	0.03
109.917	0.00	0.01	0.023	O	|	|	|	|	0.03
110.000	0.00	0.01	0.023	O	|	|	|	|	0.03
110.083	0.00	0.01	0.022	O	|	|	|	|	0.03
110.167	0.00	0.01	0.022	O	|	|	|	|	0.03
110.250	0.00	0.01	0.022	O	|	|	|	|	0.03
110.333	0.00	0.01	0.022	O	|	|	|	|	0.03
110.417	0.00	0.01	0.022	O	|	|	|	|	0.03
110.500	0.00	0.01	0.022	O	|	|	|	|	0.03
110.583	0.00	0.01	0.022	O	|	|	|	|	0.03
110.667	0.00	0.01	0.022	O	|	|	|	|	0.03
110.750	0.00	0.01	0.022	O	|	|	|	|	0.03
110.833	0.00	0.01	0.022	O	|	|	|	|	0.03
110.917	0.00	0.01	0.022	O	|	|	|	|	0.03
111.000	0.00	0.01	0.022	O	|	|	|	|	0.03
111.083	0.00	0.01	0.022	O	|	|	|	|	0.03
111.167	0.00	0.01	0.021	O	|	|	|	|	0.03
111.250	0.00	0.01	0.021	O	|	|	|	|	0.03
111.333	0.00	0.01	0.021	O	|	|	|	|	0.03
111.417	0.00	0.01	0.021	O	|	|	|	|	0.03
111.500	0.00	0.01	0.021	O	|	|	|	|	0.03
111.583	0.00	0.01	0.021	O	|	|	|	|	0.03
111.667	0.00	0.01	0.021	O	|	|	|	|	0.03
111.750	0.00	0.01	0.021	O	|	|	|	|	0.03
111.833	0.00	0.01	0.021	O	|	|	|	|	0.03
111.917	0.00	0.01	0.021	O	|	|	|	|	0.03
112.000	0.00	0.01	0.021	O	|	|	|	|	0.03
112.083	0.00	0.01	0.021	O	|	|	|	|	0.03

112.167	0.00	0.01	0.021	O	|	|	|	0.03
112.250	0.00	0.01	0.020	O	|	|	|	0.03
112.333	0.00	0.01	0.020	O	|	|	|	0.03
112.417	0.00	0.01	0.020	O	|	|	|	0.03
112.500	0.00	0.01	0.020	O	|	|	|	0.03
112.583	0.00	0.01	0.020	O	|	|	|	0.03
112.667	0.00	0.01	0.020	O	|	|	|	0.03
112.750	0.00	0.01	0.020	O	|	|	|	0.03
112.833	0.00	0.01	0.020	O	|	|	|	0.03
112.917	0.00	0.01	0.020	O	|	|	|	0.03
113.000	0.00	0.01	0.020	O	|	|	|	0.03
113.083	0.00	0.01	0.020	O	|	|	|	0.03
113.167	0.00	0.01	0.020	O	|	|	|	0.03
113.250	0.00	0.01	0.020	O	|	|	|	0.03
113.333	0.00	0.01	0.020	O	|	|	|	0.03
113.417	0.00	0.01	0.020	O	|	|	|	0.03
113.500	0.00	0.01	0.019	O	|	|	|	0.03
113.583	0.00	0.01	0.019	O	|	|	|	0.03
113.667	0.00	0.01	0.019	O	|	|	|	0.03
113.750	0.00	0.01	0.019	O	|	|	|	0.03
113.833	0.00	0.01	0.019	O	|	|	|	0.03
113.917	0.00	0.01	0.019	O	|	|	|	0.03
114.000	0.00	0.01	0.019	O	|	|	|	0.03
114.083	0.00	0.01	0.019	O	|	|	|	0.03
114.167	0.00	0.01	0.019	O	|	|	|	0.03
114.250	0.00	0.01	0.019	O	|	|	|	0.03
114.333	0.00	0.01	0.019	O	|	|	|	0.03
114.417	0.00	0.01	0.019	O	|	|	|	0.03
114.500	0.00	0.01	0.019	O	|	|	|	0.03
114.583	0.00	0.01	0.019	O	|	|	|	0.03
114.667	0.00	0.01	0.019	O	|	|	|	0.03
114.750	0.00	0.01	0.018	O	|	|	|	0.03
114.833	0.00	0.01	0.018	O	|	|	|	0.03
114.917	0.00	0.01	0.018	O	|	|	|	0.03
115.000	0.00	0.01	0.018	O	|	|	|	0.03
115.083	0.00	0.01	0.018	O	|	|	|	0.03
115.167	0.00	0.01	0.018	O	|	|	|	0.03
115.250	0.00	0.01	0.018	O	|	|	|	0.03
115.333	0.00	0.01	0.018	O	|	|	|	0.03
115.417	0.00	0.01	0.018	O	|	|	|	0.03
115.500	0.00	0.01	0.018	O	|	|	|	0.03
115.583	0.00	0.01	0.018	O	|	|	|	0.03
115.667	0.00	0.01	0.018	O	|	|	|	0.03
115.750	0.00	0.01	0.018	O	|	|	|	0.02
115.833	0.00	0.01	0.018	O	|	|	|	0.02
115.917	0.00	0.01	0.018	O	|	|	|	0.02
116.000	0.00	0.01	0.018	O	|	|	|	0.02
116.083	0.00	0.01	0.017	O	|	|	|	0.02
116.167	0.00	0.01	0.017	O	|	|	|	0.02
116.250	0.00	0.01	0.017	O	|	|	|	0.02
116.333	0.00	0.01	0.017	O	|	|	|	0.02
116.417	0.00	0.01	0.017	O	|	|	|	0.02
116.500	0.00	0.01	0.017	O	|	|	|	0.02
116.583	0.00	0.01	0.017	O	|	|	|	0.02
116.667	0.00	0.01	0.017	O	|	|	|	0.02
116.750	0.00	0.01	0.017	O	|	|	|	0.02
116.833	0.00	0.01	0.017	O	|	|	|	0.02
116.917	0.00	0.01	0.017	O	|	|	|	0.02
117.000	0.00	0.01	0.017	O	|	|	|	0.02
117.083	0.00	0.01	0.017	O	|	|	|	0.02
117.167	0.00	0.01	0.017	O	|	|	|	0.02
117.250	0.00	0.01	0.017	O	|	|	|	0.02
117.333	0.00	0.01	0.017	O	|	|	|	0.02
117.417	0.00	0.01	0.016	O	|	|	|	0.02
117.500	0.00	0.01	0.016	O	|	|	|	0.02
117.583	0.00	0.01	0.016	O	|	|	|	0.02
117.667	0.00	0.01	0.016	O	|	|	|	0.02

117.750	0.00	0.01	0.016	O	|	|	|	|	0.02
117.833	0.00	0.01	0.016	O	|	|	|	|	0.02
117.917	0.00	0.01	0.016	O	|	|	|	|	0.02
118.000	0.00	0.01	0.016	O	|	|	|	|	0.02
118.083	0.00	0.01	0.016	O	|	|	|	|	0.02
118.167	0.00	0.01	0.016	O	|	|	|	|	0.02
118.250	0.00	0.01	0.016	O	|	|	|	|	0.02
118.333	0.00	0.01	0.016	O	|	|	|	|	0.02
118.417	0.00	0.01	0.016	O	|	|	|	|	0.02
118.500	0.00	0.01	0.016	O	|	|	|	|	0.02
118.583	0.00	0.01	0.016	O	|	|	|	|	0.02
118.667	0.00	0.01	0.016	O	|	|	|	|	0.02
118.750	0.00	0.01	0.016	O	|	|	|	|	0.02
118.833	0.00	0.01	0.016	O	|	|	|	|	0.02
118.917	0.00	0.01	0.015	O	|	|	|	|	0.02
119.000	0.00	0.01	0.015	O	|	|	|	|	0.02
119.083	0.00	0.01	0.015	O	|	|	|	|	0.02
119.167	0.00	0.01	0.015	O	|	|	|	|	0.02
119.250	0.00	0.01	0.015	O	|	|	|	|	0.02
119.333	0.00	0.01	0.015	O	|	|	|	|	0.02
119.417	0.00	0.01	0.015	O	|	|	|	|	0.02
119.500	0.00	0.01	0.015	O	|	|	|	|	0.02
119.583	0.00	0.01	0.015	O	|	|	|	|	0.02
119.667	0.00	0.01	0.015	O	|	|	|	|	0.02
119.750	0.00	0.01	0.015	O	|	|	|	|	0.02
119.833	0.00	0.01	0.015	O	|	|	|	|	0.02
119.917	0.00	0.01	0.015	O	|	|	|	|	0.02
120.000	0.00	0.01	0.015	O	|	|	|	|	0.02
120.083	0.00	0.01	0.015	O	|	|	|	|	0.02
120.167	0.00	0.01	0.015	O	|	|	|	|	0.02
120.250	0.00	0.01	0.015	O	|	|	|	|	0.02
120.333	0.00	0.01	0.015	O	|	|	|	|	0.02
120.417	0.00	0.01	0.015	O	|	|	|	|	0.02
120.500	0.00	0.01	0.014	O	|	|	|	|	0.02
120.583	0.00	0.01	0.014	O	|	|	|	|	0.02
120.667	0.00	0.01	0.014	O	|	|	|	|	0.02
120.750	0.00	0.01	0.014	O	|	|	|	|	0.02
120.833	0.00	0.01	0.014	O	|	|	|	|	0.02
120.917	0.00	0.01	0.014	O	|	|	|	|	0.02
121.000	0.00	0.01	0.014	O	|	|	|	|	0.02
121.083	0.00	0.01	0.014	O	|	|	|	|	0.02
121.167	0.00	0.01	0.014	O	|	|	|	|	0.02
121.250	0.00	0.01	0.014	O	|	|	|	|	0.02
121.333	0.00	0.01	0.014	O	|	|	|	|	0.02
121.417	0.00	0.01	0.014	O	|	|	|	|	0.02
121.500	0.00	0.01	0.014	O	|	|	|	|	0.02
121.583	0.00	0.01	0.014	O	|	|	|	|	0.02
121.667	0.00	0.01	0.014	O	|	|	|	|	0.02
121.750	0.00	0.01	0.014	O	|	|	|	|	0.02
121.833	0.00	0.01	0.014	O	|	|	|	|	0.02
121.917	0.00	0.01	0.014	O	|	|	|	|	0.02
122.000	0.00	0.01	0.014	O	|	|	|	|	0.02
122.083	0.00	0.01	0.014	O	|	|	|	|	0.02
122.167	0.00	0.01	0.014	O	|	|	|	|	0.02
122.250	0.00	0.01	0.013	O	|	|	|	|	0.02
122.333	0.00	0.01	0.013	O	|	|	|	|	0.02
122.417	0.00	0.01	0.013	O	|	|	|	|	0.02
122.500	0.00	0.01	0.013	O	|	|	|	|	0.02
122.583	0.00	0.01	0.013	O	|	|	|	|	0.02
122.667	0.00	0.01	0.013	O	|	|	|	|	0.02
122.750	0.00	0.01	0.013	O	|	|	|	|	0.02
122.833	0.00	0.01	0.013	O	|	|	|	|	0.02
122.917	0.00	0.01	0.013	O	|	|	|	|	0.02
123.000	0.00	0.01	0.013	O	|	|	|	|	0.02
123.083	0.00	0.01	0.013	O	|	|	|	|	0.02
123.167	0.00	0.01	0.013	O	|	|	|	|	0.02
123.250	0.00	0.01	0.013	O	|	|	|	|	0.02

123.333	0.00	0.01	0.013	O	|	|	|	0.02
123.417	0.00	0.01	0.013	O	|	|	|	0.02
123.500	0.00	0.01	0.013	O	|	|	|	0.02
123.583	0.00	0.01	0.013	O	|	|	|	0.02
123.667	0.00	0.01	0.013	O	|	|	|	0.02
123.750	0.00	0.01	0.013	O	|	|	|	0.02
123.833	0.00	0.01	0.013	O	|	|	|	0.02
123.917	0.00	0.01	0.013	O	|	|	|	0.02
124.000	0.00	0.01	0.013	O	|	|	|	0.02
124.083	0.00	0.01	0.012	O	|	|	|	0.02
124.167	0.00	0.01	0.012	O	|	|	|	0.02
124.250	0.00	0.01	0.012	O	|	|	|	0.02
124.333	0.00	0.01	0.012	O	|	|	|	0.02
124.417	0.00	0.01	0.012	O	|	|	|	0.02
124.500	0.00	0.01	0.012	O	|	|	|	0.02
124.583	0.00	0.01	0.012	O	|	|	|	0.02
124.667	0.00	0.01	0.012	O	|	|	|	0.02
124.750	0.00	0.01	0.012	O	|	|	|	0.02
124.833	0.00	0.01	0.012	O	|	|	|	0.02
124.917	0.00	0.01	0.012	O	|	|	|	0.02
125.000	0.00	0.01	0.012	O	|	|	|	0.02
125.083	0.00	0.01	0.012	O	|	|	|	0.02
125.167	0.00	0.01	0.012	O	|	|	|	0.02
125.250	0.00	0.01	0.012	O	|	|	|	0.02
125.333	0.00	0.01	0.012	O	|	|	|	0.02
125.417	0.00	0.01	0.012	O	|	|	|	0.02
125.500	0.00	0.01	0.012	O	|	|	|	0.02
125.583	0.00	0.01	0.012	O	|	|	|	0.02
125.667	0.00	0.01	0.012	O	|	|	|	0.02
125.750	0.00	0.01	0.012	O	|	|	|	0.02
125.833	0.00	0.01	0.012	O	|	|	|	0.02
125.917	0.00	0.01	0.012	O	|	|	|	0.02
126.000	0.00	0.01	0.012	O	|	|	|	0.02
126.083	0.00	0.01	0.011	O	|	|	|	0.02
126.167	0.00	0.01	0.011	O	|	|	|	0.02
126.250	0.00	0.01	0.011	O	|	|	|	0.02
126.333	0.00	0.01	0.011	O	|	|	|	0.02
126.417	0.00	0.01	0.011	O	|	|	|	0.02
126.500	0.00	0.01	0.011	O	|	|	|	0.02
126.583	0.00	0.01	0.011	O	|	|	|	0.02
126.667	0.00	0.01	0.011	O	|	|	|	0.02
126.750	0.00	0.01	0.011	O	|	|	|	0.02
126.833	0.00	0.01	0.011	O	|	|	|	0.02
126.917	0.00	0.01	0.011	O	|	|	|	0.02
127.000	0.00	0.01	0.011	O	|	|	|	0.02
127.083	0.00	0.01	0.011	O	|	|	|	0.02
127.167	0.00	0.01	0.011	O	|	|	|	0.02
127.250	0.00	0.01	0.011	O	|	|	|	0.02
127.333	0.00	0.01	0.011	O	|	|	|	0.02
127.417	0.00	0.01	0.011	O	|	|	|	0.02
127.500	0.00	0.01	0.011	O	|	|	|	0.02
127.583	0.00	0.01	0.011	O	|	|	|	0.02
127.667	0.00	0.01	0.011	O	|	|	|	0.02
127.750	0.00	0.01	0.011	O	|	|	|	0.02
127.833	0.00	0.01	0.011	O	|	|	|	0.02
127.917	0.00	0.01	0.011	O	|	|	|	0.01
128.000	0.00	0.01	0.011	O	|	|	|	0.01
128.083	0.00	0.01	0.011	O	|	|	|	0.01
128.167	0.00	0.01	0.011	O	|	|	|	0.01
128.250	0.00	0.01	0.010	O	|	|	|	0.01
128.333	0.00	0.01	0.010	O	|	|	|	0.01
128.417	0.00	0.01	0.010	O	|	|	|	0.01
128.500	0.00	0.01	0.010	O	|	|	|	0.01
128.583	0.00	0.01	0.010	O	|	|	|	0.01
128.667	0.00	0.01	0.010	O	|	|	|	0.01
128.750	0.00	0.01	0.010	O	|	|	|	0.01
128.833	0.00	0.01	0.010	O	|	|	|	0.01

128.917	0.00	0.01	0.010	O	|	|	|	|	0.01
129.000	0.00	0.01	0.010	O	|	|	|	|	0.01
129.083	0.00	0.01	0.010	O	|	|	|	|	0.01
129.167	0.00	0.01	0.010	O	|	|	|	|	0.01
129.250	0.00	0.01	0.010	O	|	|	|	|	0.01
129.333	0.00	0.01	0.010	O	|	|	|	|	0.01
129.417	0.00	0.01	0.010	O	|	|	|	|	0.01
129.500	0.00	0.01	0.010	O	|	|	|	|	0.01
129.583	0.00	0.01	0.010	O	|	|	|	|	0.01
129.667	0.00	0.01	0.010	O	|	|	|	|	0.01
129.750	0.00	0.00	0.010	O	|	|	|	|	0.01
129.833	0.00	0.00	0.010	O	|	|	|	|	0.01
129.917	0.00	0.00	0.010	O	|	|	|	|	0.01
130.000	0.00	0.00	0.010	O	|	|	|	|	0.01
130.083	0.00	0.00	0.010	O	|	|	|	|	0.01
130.167	0.00	0.00	0.010	O	|	|	|	|	0.01
130.250	0.00	0.00	0.010	O	|	|	|	|	0.01
130.333	0.00	0.00	0.010	O	|	|	|	|	0.01
130.417	0.00	0.00	0.010	O	|	|	|	|	0.01
130.500	0.00	0.00	0.010	O	|	|	|	|	0.01
130.583	0.00	0.00	0.010	O	|	|	|	|	0.01
130.667	0.00	0.00	0.009	O	|	|	|	|	0.01
130.750	0.00	0.00	0.009	O	|	|	|	|	0.01
130.833	0.00	0.00	0.009	O	|	|	|	|	0.01
130.917	0.00	0.00	0.009	O	|	|	|	|	0.01
131.000	0.00	0.00	0.009	O	|	|	|	|	0.01
131.083	0.00	0.00	0.009	O	|	|	|	|	0.01
131.167	0.00	0.00	0.009	O	|	|	|	|	0.01
131.250	0.00	0.00	0.009	O	|	|	|	|	0.01
131.333	0.00	0.00	0.009	O	|	|	|	|	0.01
131.417	0.00	0.00	0.009	O	|	|	|	|	0.01
131.500	0.00	0.00	0.009	O	|	|	|	|	0.01
131.583	0.00	0.00	0.009	O	|	|	|	|	0.01
131.667	0.00	0.00	0.009	O	|	|	|	|	0.01
131.750	0.00	0.00	0.009	O	|	|	|	|	0.01
131.833	0.00	0.00	0.009	O	|	|	|	|	0.01
131.917	0.00	0.00	0.009	O	|	|	|	|	0.01
132.000	0.00	0.00	0.009	O	|	|	|	|	0.01
132.083	0.00	0.00	0.009	O	|	|	|	|	0.01
132.167	0.00	0.00	0.009	O	|	|	|	|	0.01
132.250	0.00	0.00	0.009	O	|	|	|	|	0.01
132.333	0.00	0.00	0.009	O	|	|	|	|	0.01
132.417	0.00	0.00	0.009	O	|	|	|	|	0.01
132.500	0.00	0.00	0.009	O	|	|	|	|	0.01
132.583	0.00	0.00	0.009	O	|	|	|	|	0.01
132.667	0.00	0.00	0.009	O	|	|	|	|	0.01
132.750	0.00	0.00	0.009	O	|	|	|	|	0.01
132.833	0.00	0.00	0.009	O	|	|	|	|	0.01
132.917	0.00	0.00	0.009	O	|	|	|	|	0.01
133.000	0.00	0.00	0.009	O	|	|	|	|	0.01
133.083	0.00	0.00	0.009	O	|	|	|	|	0.01
133.167	0.00	0.00	0.009	O	|	|	|	|	0.01
133.250	0.00	0.00	0.008	O	|	|	|	|	0.01
133.333	0.00	0.00	0.008	O	|	|	|	|	0.01
133.417	0.00	0.00	0.008	O	|	|	|	|	0.01
133.500	0.00	0.00	0.008	O	|	|	|	|	0.01
133.583	0.00	0.00	0.008	O	|	|	|	|	0.01
133.667	0.00	0.00	0.008	O	|	|	|	|	0.01
133.750	0.00	0.00	0.008	O	|	|	|	|	0.01
133.833	0.00	0.00	0.008	O	|	|	|	|	0.01
133.917	0.00	0.00	0.008	O	|	|	|	|	0.01
134.000	0.00	0.00	0.008	O	|	|	|	|	0.01
134.083	0.00	0.00	0.008	O	|	|	|	|	0.01
134.167	0.00	0.00	0.008	O	|	|	|	|	0.01
134.250	0.00	0.00	0.008	O	|	|	|	|	0.01
134.333	0.00	0.00	0.008	O	|	|	|	|	0.01
134.417	0.00	0.00	0.008	O	|	|	|	|	0.01

134.500	0.00	0.00	0.008	O	|	|	|	|	0.01
134.583	0.00	0.00	0.008	O	|	|	|	|	0.01
134.667	0.00	0.00	0.008	O	|	|	|	|	0.01
134.750	0.00	0.00	0.008	O	|	|	|	|	0.01
134.833	0.00	0.00	0.008	O	|	|	|	|	0.01
134.917	0.00	0.00	0.008	O	|	|	|	|	0.01
135.000	0.00	0.00	0.008	O	|	|	|	|	0.01
135.083	0.00	0.00	0.008	O	|	|	|	|	0.01
135.167	0.00	0.00	0.008	O	|	|	|	|	0.01
135.250	0.00	0.00	0.008	O	|	|	|	|	0.01
135.333	0.00	0.00	0.008	O	|	|	|	|	0.01
135.417	0.00	0.00	0.008	O	|	|	|	|	0.01
135.500	0.00	0.00	0.008	O	|	|	|	|	0.01
135.583	0.00	0.00	0.008	O	|	|	|	|	0.01
135.667	0.00	0.00	0.008	O	|	|	|	|	0.01
135.750	0.00	0.00	0.008	O	|	|	|	|	0.01
135.833	0.00	0.00	0.008	O	|	|	|	|	0.01
135.917	0.00	0.00	0.008	O	|	|	|	|	0.01
136.000	0.00	0.00	0.008	O	|	|	|	|	0.01
136.083	0.00	0.00	0.008	O	|	|	|	|	0.01
136.167	0.00	0.00	0.008	O	|	|	|	|	0.01
136.250	0.00	0.00	0.007	O	|	|	|	|	0.01
136.333	0.00	0.00	0.007	O	|	|	|	|	0.01
136.417	0.00	0.00	0.007	O	|	|	|	|	0.01
136.500	0.00	0.00	0.007	O	|	|	|	|	0.01
136.583	0.00	0.00	0.007	O	|	|	|	|	0.01
136.667	0.00	0.00	0.007	O	|	|	|	|	0.01
136.750	0.00	0.00	0.007	O	|	|	|	|	0.01
136.833	0.00	0.00	0.007	O	|	|	|	|	0.01
136.917	0.00	0.00	0.007	O	|	|	|	|	0.01
137.000	0.00	0.00	0.007	O	|	|	|	|	0.01
137.083	0.00	0.00	0.007	O	|	|	|	|	0.01
137.167	0.00	0.00	0.007	O	|	|	|	|	0.01
137.250	0.00	0.00	0.007	O	|	|	|	|	0.01
137.333	0.00	0.00	0.007	O	|	|	|	|	0.01
137.417	0.00	0.00	0.007	O	|	|	|	|	0.01
137.500	0.00	0.00	0.007	O	|	|	|	|	0.01
137.583	0.00	0.00	0.007	O	|	|	|	|	0.01
137.667	0.00	0.00	0.007	O	|	|	|	|	0.01
137.750	0.00	0.00	0.007	O	|	|	|	|	0.01
137.833	0.00	0.00	0.007	O	|	|	|	|	0.01
137.917	0.00	0.00	0.007	O	|	|	|	|	0.01
138.000	0.00	0.00	0.007	O	|	|	|	|	0.01
138.083	0.00	0.00	0.007	O	|	|	|	|	0.01
138.167	0.00	0.00	0.007	O	|	|	|	|	0.01
138.250	0.00	0.00	0.007	O	|	|	|	|	0.01
138.333	0.00	0.00	0.007	O	|	|	|	|	0.01
138.417	0.00	0.00	0.007	O	|	|	|	|	0.01
138.500	0.00	0.00	0.007	O	|	|	|	|	0.01
138.583	0.00	0.00	0.007	O	|	|	|	|	0.01
138.667	0.00	0.00	0.007	O	|	|	|	|	0.01
138.750	0.00	0.00	0.007	O	|	|	|	|	0.01
138.833	0.00	0.00	0.007	O	|	|	|	|	0.01
138.917	0.00	0.00	0.007	O	|	|	|	|	0.01
139.000	0.00	0.00	0.007	O	|	|	|	|	0.01
139.083	0.00	0.00	0.007	O	|	|	|	|	0.01
139.167	0.00	0.00	0.007	O	|	|	|	|	0.01
139.250	0.00	0.00	0.007	O	|	|	|	|	0.01
139.333	0.00	0.00	0.007	O	|	|	|	|	0.01
139.417	0.00	0.00	0.007	O	|	|	|	|	0.01
139.500	0.00	0.00	0.007	O	|	|	|	|	0.01
139.583	0.00	0.00	0.007	O	|	|	|	|	0.01
139.667	0.00	0.00	0.006	O	|	|	|	|	0.01
139.750	0.00	0.00	0.006	O	|	|	|	|	0.01
139.833	0.00	0.00	0.006	O	|	|	|	|	0.01
139.917	0.00	0.00	0.006	O	|	|	|	|	0.01
140.000	0.00	0.00	0.006	O	|	|	|	|	0.01

140.083	0.00	0.00	0.006	O	|	|	|	|	0.01
140.167	0.00	0.00	0.006	O	|	|	|	|	0.01
140.250	0.00	0.00	0.006	O	|	|	|	|	0.01
140.333	0.00	0.00	0.006	O	|	|	|	|	0.01
140.417	0.00	0.00	0.006	O	|	|	|	|	0.01
140.500	0.00	0.00	0.006	O	|	|	|	|	0.01
140.583	0.00	0.00	0.006	O	|	|	|	|	0.01
140.667	0.00	0.00	0.006	O	|	|	|	|	0.01
140.750	0.00	0.00	0.006	O	|	|	|	|	0.01
140.833	0.00	0.00	0.006	O	|	|	|	|	0.01
140.917	0.00	0.00	0.006	O	|	|	|	|	0.01
141.000	0.00	0.00	0.006	O	|	|	|	|	0.01
141.083	0.00	0.00	0.006	O	|	|	|	|	0.01
141.167	0.00	0.00	0.006	O	|	|	|	|	0.01
141.250	0.00	0.00	0.006	O	|	|	|	|	0.01
141.333	0.00	0.00	0.006	O	|	|	|	|	0.01
141.417	0.00	0.00	0.006	O	|	|	|	|	0.01
141.500	0.00	0.00	0.006	O	|	|	|	|	0.01
141.583	0.00	0.00	0.006	O	|	|	|	|	0.01
141.667	0.00	0.00	0.006	O	|	|	|	|	0.01
141.750	0.00	0.00	0.006	O	|	|	|	|	0.01
141.833	0.00	0.00	0.006	O	|	|	|	|	0.01
141.917	0.00	0.00	0.006	O	|	|	|	|	0.01
142.000	0.00	0.00	0.006	O	|	|	|	|	0.01
142.083	0.00	0.00	0.006	O	|	|	|	|	0.01
142.167	0.00	0.00	0.006	O	|	|	|	|	0.01
142.250	0.00	0.00	0.006	O	|	|	|	|	0.01
142.333	0.00	0.00	0.006	O	|	|	|	|	0.01
142.417	0.00	0.00	0.006	O	|	|	|	|	0.01
142.500	0.00	0.00	0.006	O	|	|	|	|	0.01
142.583	0.00	0.00	0.006	O	|	|	|	|	0.01
142.667	0.00	0.00	0.006	O	|	|	|	|	0.01
142.750	0.00	0.00	0.006	O	|	|	|	|	0.01
142.833	0.00	0.00	0.006	O	|	|	|	|	0.01
142.917	0.00	0.00	0.006	O	|	|	|	|	0.01
143.000	0.00	0.00	0.006	O	|	|	|	|	0.01
143.083	0.00	0.00	0.006	O	|	|	|	|	0.01
143.167	0.00	0.00	0.006	O	|	|	|	|	0.01
143.250	0.00	0.00	0.006	O	|	|	|	|	0.01
143.333	0.00	0.00	0.006	O	|	|	|	|	0.01
143.417	0.00	0.00	0.006	O	|	|	|	|	0.01
143.500	0.00	0.00	0.006	O	|	|	|	|	0.01
143.583	0.00	0.00	0.006	O	|	|	|	|	0.01
143.667	0.00	0.00	0.005	O	|	|	|	|	0.01
143.750	0.00	0.00	0.005	O	|	|	|	|	0.01
143.833	0.00	0.00	0.005	O	|	|	|	|	0.01
143.917	0.00	0.00	0.005	O	|	|	|	|	0.01
144.000	0.00	0.00	0.005	O	|	|	|	|	0.01
144.083	0.00	0.00	0.005	O	|	|	|	|	0.01
144.167	0.00	0.00	0.005	O	|	|	|	|	0.01
144.250	0.00	0.00	0.005	O	|	|	|	|	0.01
144.333	0.00	0.00	0.005	O	|	|	|	|	0.01
144.417	0.00	0.00	0.005	O	|	|	|	|	0.01
144.500	0.00	0.00	0.005	O	|	|	|	|	0.01
144.583	0.00	0.00	0.005	O	|	|	|	|	0.01
144.667	0.00	0.00	0.005	O	|	|	|	|	0.01
144.750	0.00	0.00	0.005	O	|	|	|	|	0.01
144.833	0.00	0.00	0.005	O	|	|	|	|	0.01
144.917	0.00	0.00	0.005	O	|	|	|	|	0.01
145.000	0.00	0.00	0.005	O	|	|	|	|	0.01
145.083	0.00	0.00	0.005	O	|	|	|	|	0.01
145.167	0.00	0.00	0.005	O	|	|	|	|	0.01
145.250	0.00	0.00	0.005	O	|	|	|	|	0.01
145.333	0.00	0.00	0.005	O	|	|	|	|	0.01
145.417	0.00	0.00	0.005	O	|	|	|	|	0.01
145.500	0.00	0.00	0.005	O	|	|	|	|	0.01
145.583	0.00	0.00	0.005	O	|	|	|	|	0.01

145.667	0.00	0.00	0.005	O	|	|	|	|	0.01
145.750	0.00	0.00	0.005	O	|	|	|	|	0.01
145.833	0.00	0.00	0.005	O	|	|	|	|	0.01
145.917	0.00	0.00	0.005	O	|	|	|	|	0.01
146.000	0.00	0.00	0.005	O	|	|	|	|	0.01
146.083	0.00	0.00	0.005	O	|	|	|	|	0.01
146.167	0.00	0.00	0.005	O	|	|	|	|	0.01
146.250	0.00	0.00	0.005	O	|	|	|	|	0.01
146.333	0.00	0.00	0.005	O	|	|	|	|	0.01
146.417	0.00	0.00	0.005	O	|	|	|	|	0.01
146.500	0.00	0.00	0.005	O	|	|	|	|	0.01
146.583	0.00	0.00	0.005	O	|	|	|	|	0.01
146.667	0.00	0.00	0.005	O	|	|	|	|	0.01
146.750	0.00	0.00	0.005	O	|	|	|	|	0.01
146.833	0.00	0.00	0.005	O	|	|	|	|	0.01
146.917	0.00	0.00	0.005	O	|	|	|	|	0.01
147.000	0.00	0.00	0.005	O	|	|	|	|	0.01
147.083	0.00	0.00	0.005	O	|	|	|	|	0.01
147.167	0.00	0.00	0.005	O	|	|	|	|	0.01
147.250	0.00	0.00	0.005	O	|	|	|	|	0.01
147.333	0.00	0.00	0.005	O	|	|	|	|	0.01
147.417	0.00	0.00	0.005	O	|	|	|	|	0.01
147.500	0.00	0.00	0.005	O	|	|	|	|	0.01
147.583	0.00	0.00	0.005	O	|	|	|	|	0.01
147.667	0.00	0.00	0.005	O	|	|	|	|	0.01
147.750	0.00	0.00	0.005	O	|	|	|	|	0.01
147.833	0.00	0.00	0.005	O	|	|	|	|	0.01
147.917	0.00	0.00	0.005	O	|	|	|	|	0.01
148.000	0.00	0.00	0.005	O	|	|	|	|	0.01
148.083	0.00	0.00	0.005	O	|	|	|	|	0.01
148.167	0.00	0.00	0.005	O	|	|	|	|	0.01
148.250	0.00	0.00	0.005	O	|	|	|	|	0.01
148.333	0.00	0.00	0.005	O	|	|	|	|	0.01
148.417	0.00	0.00	0.004	O	|	|	|	|	0.01
148.500	0.00	0.00	0.004	O	|	|	|	|	0.01
148.583	0.00	0.00	0.004	O	|	|	|	|	0.01
148.667	0.00	0.00	0.004	O	|	|	|	|	0.01
148.750	0.00	0.00	0.004	O	|	|	|	|	0.01
148.833	0.00	0.00	0.004	O	|	|	|	|	0.01
148.917	0.00	0.00	0.004	O	|	|	|	|	0.01
149.000	0.00	0.00	0.004	O	|	|	|	|	0.01
149.083	0.00	0.00	0.004	O	|	|	|	|	0.01
149.167	0.00	0.00	0.004	O	|	|	|	|	0.01
149.250	0.00	0.00	0.004	O	|	|	|	|	0.01
149.333	0.00	0.00	0.004	O	|	|	|	|	0.01
149.417	0.00	0.00	0.004	O	|	|	|	|	0.01
149.500	0.00	0.00	0.004	O	|	|	|	|	0.01
149.583	0.00	0.00	0.004	O	|	|	|	|	0.01
149.667	0.00	0.00	0.004	O	|	|	|	|	0.01
149.750	0.00	0.00	0.004	O	|	|	|	|	0.01
149.833	0.00	0.00	0.004	O	|	|	|	|	0.01
149.917	0.00	0.00	0.004	O	|	|	|	|	0.01
150.000	0.00	0.00	0.004	O	|	|	|	|	0.01
150.083	0.00	0.00	0.004	O	|	|	|	|	0.01
150.167	0.00	0.00	0.004	O	|	|	|	|	0.01
150.250	0.00	0.00	0.004	O	|	|	|	|	0.01
150.333	0.00	0.00	0.004	O	|	|	|	|	0.01
150.417	0.00	0.00	0.004	O	|	|	|	|	0.01
150.500	0.00	0.00	0.004	O	|	|	|	|	0.01
150.583	0.00	0.00	0.004	O	|	|	|	|	0.01
150.667	0.00	0.00	0.004	O	|	|	|	|	0.01
150.750	0.00	0.00	0.004	O	|	|	|	|	0.01
150.833	0.00	0.00	0.004	O	|	|	|	|	0.01
150.917	0.00	0.00	0.004	O	|	|	|	|	0.01
151.000	0.00	0.00	0.004	O	|	|	|	|	0.01
151.083	0.00	0.00	0.004	O	|	|	|	|	0.01
151.167	0.00	0.00	0.004	O	|	|	|	|	0.01

151.250	0.00	0.00	0.004	O	|	|	|	|	0.01
151.333	0.00	0.00	0.004	O	|	|	|	|	0.01
151.417	0.00	0.00	0.004	O	|	|	|	|	0.01
151.500	0.00	0.00	0.004	O	|	|	|	|	0.01
151.583	0.00	0.00	0.004	O	|	|	|	|	0.01
151.667	0.00	0.00	0.004	O	|	|	|	|	0.01
151.750	0.00	0.00	0.004	O	|	|	|	|	0.01
151.833	0.00	0.00	0.004	O	|	|	|	|	0.01
151.917	0.00	0.00	0.004	O	|	|	|	|	0.01
152.000	0.00	0.00	0.004	O	|	|	|	|	0.01
152.083	0.00	0.00	0.004	O	|	|	|	|	0.01
152.167	0.00	0.00	0.004	O	|	|	|	|	0.01
152.250	0.00	0.00	0.004	O	|	|	|	|	0.01
152.333	0.00	0.00	0.004	O	|	|	|	|	0.01
152.417	0.00	0.00	0.004	O	|	|	|	|	0.01
152.500	0.00	0.00	0.004	O	|	|	|	|	0.01
152.583	0.00	0.00	0.004	O	|	|	|	|	0.01
152.667	0.00	0.00	0.004	O	|	|	|	|	0.01
152.750	0.00	0.00	0.004	O	|	|	|	|	0.01
152.833	0.00	0.00	0.004	O	|	|	|	|	0.01
152.917	0.00	0.00	0.004	O	|	|	|	|	0.01
153.000	0.00	0.00	0.004	O	|	|	|	|	0.01
153.083	0.00	0.00	0.004	O	|	|	|	|	0.01
153.167	0.00	0.00	0.004	O	|	|	|	|	0.01
153.250	0.00	0.00	0.004	O	|	|	|	|	0.01
153.333	0.00	0.00	0.004	O	|	|	|	|	0.01
153.417	0.00	0.00	0.004	O	|	|	|	|	0.01
153.500	0.00	0.00	0.004	O	|	|	|	|	0.01
153.583	0.00	0.00	0.004	O	|	|	|	|	0.01
153.667	0.00	0.00	0.004	O	|	|	|	|	0.01
153.750	0.00	0.00	0.004	O	|	|	|	|	0.01
153.833	0.00	0.00	0.004	O	|	|	|	|	0.01
153.917	0.00	0.00	0.004	O	|	|	|	|	0.01
154.000	0.00	0.00	0.004	O	|	|	|	|	0.01
154.083	0.00	0.00	0.004	O	|	|	|	|	0.00
154.167	0.00	0.00	0.004	O	|	|	|	|	0.00
154.250	0.00	0.00	0.004	O	|	|	|	|	0.00
154.333	0.00	0.00	0.004	O	|	|	|	|	0.00
154.417	0.00	0.00	0.003	O	|	|	|	|	0.00
154.500	0.00	0.00	0.003	O	|	|	|	|	0.00
154.583	0.00	0.00	0.003	O	|	|	|	|	0.00
154.667	0.00	0.00	0.003	O	|	|	|	|	0.00
154.750	0.00	0.00	0.003	O	|	|	|	|	0.00
154.833	0.00	0.00	0.003	O	|	|	|	|	0.00
154.917	0.00	0.00	0.003	O	|	|	|	|	0.00
155.000	0.00	0.00	0.003	O	|	|	|	|	0.00
155.083	0.00	0.00	0.003	O	|	|	|	|	0.00
155.167	0.00	0.00	0.003	O	|	|	|	|	0.00
155.250	0.00	0.00	0.003	O	|	|	|	|	0.00
155.333	0.00	0.00	0.003	O	|	|	|	|	0.00
155.417	0.00	0.00	0.003	O	|	|	|	|	0.00
155.500	0.00	0.00	0.003	O	|	|	|	|	0.00
155.583	0.00	0.00	0.003	O	|	|	|	|	0.00
155.667	0.00	0.00	0.003	O	|	|	|	|	0.00
155.750	0.00	0.00	0.003	O	|	|	|	|	0.00
155.833	0.00	0.00	0.003	O	|	|	|	|	0.00
155.917	0.00	0.00	0.003	O	|	|	|	|	0.00
156.000	0.00	0.00	0.003	O	|	|	|	|	0.00
156.083	0.00	0.00	0.003	O	|	|	|	|	0.00
156.167	0.00	0.00	0.003	O	|	|	|	|	0.00
156.250	0.00	0.00	0.003	O	|	|	|	|	0.00
156.333	0.00	0.00	0.003	O	|	|	|	|	0.00
156.417	0.00	0.00	0.003	O	|	|	|	|	0.00
156.500	0.00	0.00	0.003	O	|	|	|	|	0.00
156.583	0.00	0.00	0.003	O	|	|	|	|	0.00
156.667	0.00	0.00	0.003	O	|	|	|	|	0.00
156.750	0.00	0.00	0.003	O	|	|	|	|	0.00

156.833	0.00	0.00	0.003	O					0.00
156.917	0.00	0.00	0.003	O					0.00
157.000	0.00	0.00	0.003	O					0.00
157.083	0.00	0.00	0.003	O					0.00
157.167	0.00	0.00	0.003	O					0.00
157.250	0.00	0.00	0.003	O					0.00
157.333	0.00	0.00	0.003	O					0.00
157.417	0.00	0.00	0.003	O					0.00
157.500	0.00	0.00	0.003	O					0.00
157.583	0.00	0.00	0.003	O					0.00
157.667	0.00	0.00	0.003	O					0.00
157.750	0.00	0.00	0.003	O					0.00
157.833	0.00	0.00	0.003	O					0.00
157.917	0.00	0.00	0.003	O					0.00
158.000	0.00	0.00	0.003	O					0.00
158.083	0.00	0.00	0.003	O					0.00
158.167	0.00	0.00	0.003	O					0.00
158.250	0.00	0.00	0.003	O					0.00
158.333	0.00	0.00	0.003	O					0.00
158.417	0.00	0.00	0.003	O					0.00
158.500	0.00	0.00	0.003	O					0.00
158.583	0.00	0.00	0.003	O					0.00
158.667	0.00	0.00	0.003	O					0.00
158.750	0.00	0.00	0.003	O					0.00
158.833	0.00	0.00	0.003	O					0.00
158.917	0.00	0.00	0.003	O					0.00
159.000	0.00	0.00	0.003	O					0.00
159.083	0.00	0.00	0.003	O					0.00
159.167	0.00	0.00	0.003	O					0.00
159.250	0.00	0.00	0.003	O					0.00
159.333	0.00	0.00	0.003	O					0.00
159.417	0.00	0.00	0.003	O					0.00
159.500	0.00	0.00	0.003	O					0.00
159.583	0.00	0.00	0.003	O					0.00
159.667	0.00	0.00	0.003	O					0.00
159.750	0.00	0.00	0.003	O					0.00
159.833	0.00	0.00	0.003	O					0.00
159.917	0.00	0.00	0.003	O					0.00
160.000	0.00	0.00	0.003	O					0.00
160.083	0.00	0.00	0.003	O					0.00
160.167	0.00	0.00	0.003	O					0.00
160.250	0.00	0.00	0.003	O					0.00
160.333	0.00	0.00	0.003	O					0.00
160.417	0.00	0.00	0.003	O					0.00
160.500	0.00	0.00	0.003	O					0.00
160.583	0.00	0.00	0.003	O					0.00
160.667	0.00	0.00	0.003	O					0.00
160.750	0.00	0.00	0.003	O					0.00
160.833	0.00	0.00	0.003	O					0.00
160.917	0.00	0.00	0.003	O					0.00
161.000	0.00	0.00	0.003	O					0.00
161.083	0.00	0.00	0.003	O					0.00
161.167	0.00	0.00	0.003	O					0.00
161.250	0.00	0.00	0.003	O					0.00
161.333	0.00	0.00	0.003	O					0.00
161.417	0.00	0.00	0.003	O					0.00
161.500	0.00	0.00	0.003	O					0.00
161.583	0.00	0.00	0.003	O					0.00
161.667	0.00	0.00	0.003	O					0.00
161.750	0.00	0.00	0.003	O					0.00
161.833	0.00	0.00	0.003	O					0.00
161.917	0.00	0.00	0.003	O					0.00
162.000	0.00	0.00	0.003	O					0.00
162.083	0.00	0.00	0.003	O					0.00
162.167	0.00	0.00	0.003	O					0.00
162.250	0.00	0.00	0.003	O					0.00
162.333	0.00	0.00	0.003	O					0.00

162.417	0.00	0.00	0.003	O					0.00
162.500	0.00	0.00	0.002	O					0.00
162.583	0.00	0.00	0.002	O					0.00
162.667	0.00	0.00	0.002	O					0.00
162.750	0.00	0.00	0.002	O					0.00
162.833	0.00	0.00	0.002	O					0.00
162.917	0.00	0.00	0.002	O					0.00
163.000	0.00	0.00	0.002	O					0.00
163.083	0.00	0.00	0.002	O					0.00
163.167	0.00	0.00	0.002	O					0.00
163.250	0.00	0.00	0.002	O					0.00
163.333	0.00	0.00	0.002	O					0.00
163.417	0.00	0.00	0.002	O					0.00
163.500	0.00	0.00	0.002	O					0.00
163.583	0.00	0.00	0.002	O					0.00
163.667	0.00	0.00	0.002	O					0.00
163.750	0.00	0.00	0.002	O					0.00
163.833	0.00	0.00	0.002	O					0.00
163.917	0.00	0.00	0.002	O					0.00
164.000	0.00	0.00	0.002	O					0.00
164.083	0.00	0.00	0.002	O					0.00
164.167	0.00	0.00	0.002	O					0.00
164.250	0.00	0.00	0.002	O					0.00
164.333	0.00	0.00	0.002	O					0.00
164.417	0.00	0.00	0.002	O					0.00
164.500	0.00	0.00	0.002	O					0.00
164.583	0.00	0.00	0.002	O					0.00
164.667	0.00	0.00	0.002	O					0.00
164.750	0.00	0.00	0.002	O					0.00
164.833	0.00	0.00	0.002	O					0.00
164.917	0.00	0.00	0.002	O					0.00
165.000	0.00	0.00	0.002	O					0.00
165.083	0.00	0.00	0.002	O					0.00
165.167	0.00	0.00	0.002	O					0.00
165.250	0.00	0.00	0.002	O					0.00
165.333	0.00	0.00	0.002	O					0.00
165.417	0.00	0.00	0.002	O					0.00
165.500	0.00	0.00	0.002	O					0.00
165.583	0.00	0.00	0.002	O					0.00
165.667	0.00	0.00	0.002	O					0.00
165.750	0.00	0.00	0.002	O					0.00
165.833	0.00	0.00	0.002	O					0.00
165.917	0.00	0.00	0.002	O					0.00
166.000	0.00	0.00	0.002	O					0.00
166.083	0.00	0.00	0.002	O					0.00
166.167	0.00	0.00	0.002	O					0.00
166.250	0.00	0.00	0.002	O					0.00
166.333	0.00	0.00	0.002	O					0.00
166.417	0.00	0.00	0.002	O					0.00
166.500	0.00	0.00	0.002	O					0.00
166.583	0.00	0.00	0.002	O					0.00
166.667	0.00	0.00	0.002	O					0.00
166.750	0.00	0.00	0.002	O					0.00
166.833	0.00	0.00	0.002	O					0.00
166.917	0.00	0.00	0.002	O					0.00
167.000	0.00	0.00	0.002	O					0.00
167.083	0.00	0.00	0.002	O					0.00
167.167	0.00	0.00	0.002	O					0.00
167.250	0.00	0.00	0.002	O					0.00
167.333	0.00	0.00	0.002	O					0.00
167.417	0.00	0.00	0.002	O					0.00
167.500	0.00	0.00	0.002	O					0.00
167.583	0.00	0.00	0.002	O					0.00
167.667	0.00	0.00	0.002	O					0.00
167.750	0.00	0.00	0.002	O					0.00
167.833	0.00	0.00	0.002	O					0.00
167.917	0.00	0.00	0.002	O					0.00

```
168.000    0.00    0.00      0.002  O       |       |       |       |     0.00
168.083    0.00    0.00      0.002  O       |       |       |       |     0.00
168.167    0.00    0.00      0.002  O       |       |       |       |     0.00

       Remaining water in basin =    0.00 (Ac.Ft)


       ****************************HYDROGRAPH DATA****************************
                    Number of intervals =  2018
                    Time interval =    5.0 (Min.)
                    Maximum/Peak flow rate =        0.682 (CFS)
                    Total volume =       1.868 (Ac.Ft)
              Status of hydrographs being held in storage
                         Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
              Peak (CFS)      0.000     0.000     0.000     0.000     0.000
              Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
       ***********************************************************************

       -----------------------------------------------------------------------
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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRI3100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 38
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 33.977 (CFS)
Total volume = 2.605 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN I- ROUTING
100YR-3HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 38
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.710	0.360	0.709	0.711
2.000	1.520	0.620	1.518	1.522
3.000	2.440	0.800	2.437	2.443
4.000	3.480	1.790	3.474	3.486
5.000	4.630	26.090	4.540	4.720

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 8.5 16.99 25.48 33.98	Depth (Ft.)
0.083	2.44	0.00	0.008	O I	0.01
0.167	4.16	0.02	0.031	O I	0.04
0.250	4.11	0.03	0.059	O I	0.08
0.333	4.60	0.05	0.089	O I	0.13
0.417	5.08	0.06	0.122	O I	0.17

0.500	5.74	0.08	0.159	O	I	|	|	|	|	0.22
0.583	5.57	0.10	0.197	O	I	|	|	|	|	0.28
0.667	5.81	0.12	0.236	O	I	|	|	|	|	0.33
0.750	6.14	0.14	0.276	O	I	|	|	|	|	0.39
0.833	5.65	0.16	0.315	O	I	|	|	|	|	0.44
0.917	5.44	0.18	0.352	O	I	|	|	|	|	0.50
1.000	5.87	0.20	0.390	O	I	|	|	|	|	0.55
1.083	6.91	0.22	0.433	O	I	|	|	|	|	0.61
1.167	7.49	0.24	0.481	O	I	|	|	|	|	0.68
1.250	7.59	0.27	0.531	O	I	|	|	|	|	0.75
1.333	7.22	0.29	0.580	O	I	|	|	|	|	0.82
1.417	8.08	0.32	0.630	O	I	|	|	|	|	0.89
1.500	9.01	0.35	0.687	O	I	|	|	|	|	0.97
1.583	8.73	0.37	0.746	O	I	|	|	|	|	1.04
1.667	8.92	0.39	0.804	O	I	|	|	|	|	1.12
1.750	10.77	0.41	0.869	O	| I	|	|	|	|	1.20
1.833	11.38	0.43	0.942	O	| I	|	|	|	|	1.29
1.917	10.68	0.46	1.015	O	| I	|	|	|	|	1.38
2.000	10.50	0.48	1.085	O	I|	|	|	|	|	1.46
2.083	10.88	0.50	1.155	O	| I	|	|	|	|	1.55
2.167	14.04	0.53	1.237	O	| I	|	|	|	|	1.65
2.250	18.28	0.56	1.345	O	| I	|	|	|	|	1.78
2.333	16.17	0.60	1.459	O	| I	|	|	|	|	1.93
2.417	22.45	0.63	1.588	O	| I	|	|	|	|	2.07
2.500	29.46	0.67	1.762	O	| I	|	|	|	|	2.26
2.583	33.98	0.71	1.976	O	| I	|	|	|	|	2.50
2.667	29.70	0.75	2.190	O	| I	|	|	|	|	2.73
2.750	15.91	0.78	2.342	O	| I	|	|	|	|	2.89
2.833	7.83	0.80	2.418	O	I	|	|	|	|	2.98
2.917	6.26	0.82	2.461	O	I	|	|	|	|	3.02
3.000	3.96	0.85	2.491	O	I	|	|	|	|	3.05
3.083	1.24	**0.86**	**2.503**	**OI**	|	|	|	|	|	**3.06**
3.167	0.15	0.86	2.502	O	|	|	|	|	|	3.06
3.250	0.00	0.85	2.496	O	|	|	|	|	|	3.05
3.333	0.00	0.85	2.491	O	|	|	|	|	|	3.05
3.417	0.00	0.84	2.485	O	|	|	|	|	|	3.04
3.500	0.00	0.84	2.479	O	|	|	|	|	|	3.04
3.583	0.00	0.83	2.473	O	|	|	|	|	|	3.03
3.667	0.00	0.83	2.467	O	|	|	|	|	|	3.03
3.750	0.00	0.82	2.462	O	|	|	|	|	|	3.02
3.833	0.00	0.82	2.456	O	|	|	|	|	|	3.02
3.917	0.00	0.81	2.451	O	|	|	|	|	|	3.01
4.000	0.00	0.80	2.445	O	|	|	|	|	|	3.00
4.083	0.00	0.80	2.439	O	|	|	|	|	|	3.00
4.167	0.00	0.80	2.434	O	|	|	|	|	|	2.99
4.250	0.00	0.80	2.428	O	|	|	|	|	|	2.99
4.333	0.00	0.80	2.423	O	|	|	|	|	|	2.98
4.417	0.00	0.80	2.418	O	|	|	|	|	|	2.98
4.500	0.00	0.79	2.412	O	|	|	|	|	|	2.97
4.583	0.00	0.79	2.407	O	|	|	|	|	|	2.96
4.667	0.00	0.79	2.401	O	|	|	|	|	|	2.96
4.750	0.00	0.79	2.396	O	|	|	|	|	|	2.95
4.833	0.00	0.79	2.390	O	|	|	|	|	|	2.95
4.917	0.00	0.79	2.385	O	|	|	|	|	|	2.94
5.000	0.00	0.79	2.379	O	|	|	|	|	|	2.93
5.083	0.00	0.79	2.374	O	|	|	|	|	|	2.93
5.167	0.00	0.79	2.369	O	|	|	|	|	|	2.92
5.250	0.00	0.78	2.363	O	|	|	|	|	|	2.92
5.333	0.00	0.78	2.358	O	|	|	|	|	|	2.91
5.417	0.00	0.78	2.352	O	|	|	|	|	|	2.90
5.500	0.00	0.78	2.347	O	|	|	|	|	|	2.90
5.583	0.00	0.78	2.342	O	|	|	|	|	|	2.89
5.667	0.00	0.78	2.336	O	|	|	|	|	|	2.89
5.750	0.00	0.78	2.331	O	|	|	|	|	|	2.88
5.833	0.00	0.78	2.325	O	|	|	|	|	|	2.88
5.917	0.00	0.78	2.320	O	|	|	|	|	|	2.87
6.000	0.00	0.78	2.315	O	|	|	|	|	|	2.86

6.083	0.00	0.77	2.309	O				2.86
6.167	0.00	0.77	2.304	O				2.85
6.250	0.00	0.77	2.299	O				2.85
6.333	0.00	0.77	2.293	O				2.84
6.417	0.00	0.77	2.288	O				2.83
6.500	0.00	0.77	2.283	O				2.83
6.583	0.00	0.77	2.278	O				2.82
6.667	0.00	0.77	2.272	O				2.82
6.750	0.00	0.77	2.267	O				2.81
6.833	0.00	0.77	2.262	O				2.81
6.917	0.00	0.76	2.256	O				2.80
7.000	0.00	0.76	2.251	O				2.79
7.083	0.00	0.76	2.246	O				2.79
7.167	0.00	0.76	2.241	O				2.78
7.250	0.00	0.76	2.235	O				2.78
7.333	0.00	0.76	2.230	O				2.77
7.417	0.00	0.76	2.225	O				2.77
7.500	0.00	0.76	2.220	O				2.76
7.583	0.00	0.76	2.215	O				2.75
7.667	0.00	0.75	2.209	O				2.75
7.750	0.00	0.75	2.204	O				2.74
7.833	0.00	0.75	2.199	O				2.74
7.917	0.00	0.75	2.194	O				2.73
8.000	0.00	0.75	2.189	O				2.73
8.083	0.00	0.75	2.183	O				2.72
8.167	0.00	0.75	2.178	O				2.72
8.250	0.00	0.75	2.173	O				2.71
8.333	0.00	0.75	2.168	O				2.70
8.417	0.00	0.75	2.163	O				2.70
8.500	0.00	0.74	2.158	O				2.69
8.583	0.00	0.74	2.153	O				2.69
8.667	0.00	0.74	2.147	O				2.68
8.750	0.00	0.74	2.142	O				2.68
8.833	0.00	0.74	2.137	O				2.67
8.917	0.00	0.74	2.132	O				2.67
9.000	0.00	0.74	2.127	O				2.66
9.083	0.00	0.74	2.122	O				2.65
9.167	0.00	0.74	2.117	O				2.65
9.250	0.00	0.74	2.112	O				2.64
9.333	0.00	0.73	2.107	O				2.64
9.417	0.00	0.73	2.102	O				2.63
9.500	0.00	0.73	2.097	O				2.63
9.583	0.00	0.73	2.092	O				2.62
9.667	0.00	0.73	2.087	O				2.62
9.750	0.00	0.73	2.082	O				2.61
9.833	0.00	0.73	2.077	O				2.60
9.917	0.00	0.73	2.071	O				2.60
10.000	0.00	0.73	2.066	O				2.59
10.083	0.00	0.73	2.061	O				2.59
10.167	0.00	0.72	2.056	O				2.58
10.250	0.00	0.72	2.051	O				2.58
10.333	0.00	0.72	2.047	O				2.57
10.417	0.00	0.72	2.042	O				2.57
10.500	0.00	0.72	2.037	O				2.56
10.583	0.00	0.72	2.032	O				2.56
10.667	0.00	0.72	2.027	O				2.55
10.750	0.00	0.72	2.022	O				2.55
10.833	0.00	0.72	2.017	O				2.54
10.917	0.00	0.72	2.012	O				2.53
11.000	0.00	0.72	2.007	O				2.53
11.083	0.00	0.71	2.002	O				2.52
11.167	0.00	0.71	1.997	O				2.52
11.250	0.00	0.71	1.992	O				2.51
11.333	0.00	0.71	1.987	O				2.51
11.417	0.00	0.71	1.982	O				2.50
11.500	0.00	0.71	1.977	O				2.50
11.583	0.00	0.71	1.973	O				2.49

11.667	0.00	0.71	1.968	O					2.49
11.750	0.00	0.71	1.963	O					2.48
11.833	0.00	0.71	1.958	O					2.48
11.917	0.00	0.70	1.953	O					2.47
12.000	0.00	0.70	1.948	O					2.47
12.083	0.00	0.70	1.943	O					2.46
12.167	0.00	0.70	1.939	O					2.45
12.250	0.00	0.70	1.934	O					2.45
12.333	0.00	0.70	1.929	O					2.44
12.417	0.00	0.70	1.924	O					2.44
12.500	0.00	0.70	1.919	O					2.43
12.583	0.00	0.70	1.914	O					2.43
12.667	0.00	0.70	1.910	O					2.42
12.750	0.00	0.70	1.905	O					2.42
12.833	0.00	0.69	1.900	O					2.41
12.917	0.00	0.69	1.895	O					2.41
13.000	0.00	0.69	1.891	O					2.40
13.083	0.00	0.69	1.886	O					2.40
13.167	0.00	0.69	1.881	O					2.39
13.250	0.00	0.69	1.876	O					2.39
13.333	0.00	0.69	1.872	O					2.38
13.417	0.00	0.69	1.867	O					2.38
13.500	0.00	0.69	1.862	O					2.37
13.583	0.00	0.69	1.857	O					2.37
13.667	0.00	0.69	1.853	O					2.36
13.750	0.00	0.68	1.848	O					2.36
13.833	0.00	0.68	1.843	O					2.35
13.917	0.00	0.68	1.838	O					2.35
14.000	0.00	0.68	1.834	O					2.34
14.083	0.00	0.68	1.829	O					2.34
14.167	0.00	0.68	1.824	O					2.33
14.250	0.00	0.68	1.820	O					2.33
14.333	0.00	0.68	1.815	O					2.32
14.417	0.00	0.68	1.810	O					2.32
14.500	0.00	0.68	1.806	O					2.31
14.583	0.00	0.67	1.801	O					2.31
14.667	0.00	0.67	1.796	O					2.30
14.750	0.00	0.67	1.792	O					2.30
14.833	0.00	0.67	1.787	O					2.29
14.917	0.00	0.67	1.783	O					2.29
15.000	0.00	0.67	1.778	O					2.28
15.083	0.00	0.67	1.773	O					2.28
15.167	0.00	0.67	1.769	O					2.27
15.250	0.00	0.67	1.764	O					2.27
15.333	0.00	0.67	1.760	O					2.26
15.417	0.00	0.67	1.755	O					2.26
15.500	0.00	0.67	1.750	O					2.25
15.583	0.00	0.66	1.746	O					2.25
15.667	0.00	0.66	1.741	O					2.24
15.750	0.00	0.66	1.737	O					2.24
15.833	0.00	0.66	1.732	O					2.23
15.917	0.00	0.66	1.728	O					2.23
16.000	0.00	0.66	1.723	O					2.22
16.083	0.00	0.66	1.718	O					2.22
16.167	0.00	0.66	1.714	O					2.21
16.250	0.00	0.66	1.709	O					2.21
16.333	0.00	0.66	1.705	O					2.20
16.417	0.00	0.66	1.700	O					2.20
16.500	0.00	0.65	1.696	O					2.19
16.583	0.00	0.65	1.691	O					2.19
16.667	0.00	0.65	1.687	O					2.18
16.750	0.00	0.65	1.682	O					2.18
16.833	0.00	0.65	1.678	O					2.17
16.917	0.00	0.65	1.673	O					2.17
17.000	0.00	0.65	1.669	O					2.16
17.083	0.00	0.65	1.664	O					2.16
17.167	0.00	0.65	1.660	O					2.15

17.250	0.00	0.65	1.655	O	|	|	|	2.15
17.333	0.00	0.65	1.651	O	|	|	|	2.14
17.417	0.00	0.64	1.647	O	|	|	|	2.14
17.500	0.00	0.64	1.642	O	|	|	|	2.13
17.583	0.00	0.64	1.638	O	|	|	|	2.13
17.667	0.00	0.64	1.633	O	|	|	|	2.12
17.750	0.00	0.64	1.629	O	|	|	|	2.12
17.833	0.00	0.64	1.624	O	|	|	|	2.11
17.917	0.00	0.64	1.620	O	|	|	|	2.11
18.000	0.00	0.64	1.616	O	|	|	|	2.10
18.083	0.00	0.64	1.611	O	|	|	|	2.10
18.167	0.00	0.64	1.607	O	|	|	|	2.09
18.250	0.00	0.64	1.602	O	|	|	|	2.09
18.333	0.00	0.64	1.598	O	|	|	|	2.08
18.417	0.00	0.63	1.594	O	|	|	|	2.08
18.500	0.00	0.63	1.589	O	|	|	|	2.08
18.583	0.00	0.63	1.585	O	|	|	|	2.07
18.667	0.00	0.63	1.581	O	|	|	|	2.07
18.750	0.00	0.63	1.576	O	|	|	|	2.06
18.833	0.00	0.63	1.572	O	|	|	|	2.06
18.917	0.00	0.63	1.568	O	|	|	|	2.05
19.000	0.00	0.63	1.563	O	|	|	|	2.05
19.083	0.00	0.63	1.559	O	|	|	|	2.04
19.167	0.00	0.63	1.555	O	|	|	|	2.04
19.250	0.00	0.63	1.550	O	|	|	|	2.03
19.333	0.00	0.63	1.546	O	|	|	|	2.03
19.417	0.00	0.62	1.542	O	|	|	|	2.02
19.500	0.00	0.62	1.537	O	|	|	|	2.02
19.583	0.00	0.62	1.533	O	|	|	|	2.01
19.667	0.00	0.62	1.529	O	|	|	|	2.01
19.750	0.00	0.62	1.525	O	|	|	|	2.00
19.833	0.00	0.62	1.520	O	|	|	|	2.00
19.917	0.00	0.62	1.516	O	|	|	|	2.00
20.000	0.00	0.62	1.512	O	|	|	|	1.99
20.083	0.00	0.62	1.508	O	|	|	|	1.98
20.167	0.00	0.61	1.503	O	|	|	|	1.98
20.250	0.00	0.61	1.499	O	|	|	|	1.97
20.333	0.00	0.61	1.495	O	|	|	|	1.97
20.417	0.00	0.61	1.491	O	|	|	|	1.96
20.500	0.00	0.61	1.486	O	|	|	|	1.96
20.583	0.00	0.61	1.482	O	|	|	|	1.95
20.667	0.00	0.61	1.478	O	|	|	|	1.95
20.750	0.00	0.61	1.474	O	|	|	|	1.94
20.833	0.00	0.60	1.470	O	|	|	|	1.94
20.917	0.00	0.60	1.466	O	|	|	|	1.93
21.000	0.00	0.60	1.461	O	|	|	|	1.93
21.083	0.00	0.60	1.457	O	|	|	|	1.92
21.167	0.00	0.60	1.453	O	|	|	|	1.92
21.250	0.00	0.60	1.449	O	|	|	|	1.91
21.333	0.00	0.60	1.445	O	|	|	|	1.91
21.417	0.00	0.59	1.441	O	|	|	|	1.90
21.500	0.00	0.59	1.437	O	|	|	|	1.90
21.583	0.00	0.59	1.433	O	|	|	|	1.89
21.667	0.00	0.59	1.429	O	|	|	|	1.89
21.750	0.00	0.59	1.425	O	|	|	|	1.88
21.833	0.00	0.59	1.420	O	|	|	|	1.88
21.917	0.00	0.59	1.416	O	|	|	|	1.87
22.000	0.00	0.59	1.412	O	|	|	|	1.87
22.083	0.00	0.58	1.408	O	|	|	|	1.86
22.167	0.00	0.58	1.404	O	|	|	|	1.86
22.250	0.00	0.58	1.400	O	|	|	|	1.85
22.333	0.00	0.58	1.396	O	|	|	|	1.85
22.417	0.00	0.58	1.392	O	|	|	|	1.84
22.500	0.00	0.58	1.388	O	|	|	|	1.84
22.583	0.00	0.58	1.384	O	|	|	|	1.83
22.667	0.00	0.58	1.380	O	|	|	|	1.83
22.750	0.00	0.57	1.376	O	|	|	|	1.82

22.833	0.00	0.57	1.373	O	|	|	|	1.82
22.917	0.00	0.57	1.369	O	|	|	|	1.81
23.000	0.00	0.57	1.365	O	|	|	|	1.81
23.083	0.00	0.57	1.361	O	|	|	|	1.80
23.167	0.00	0.57	1.357	O	|	|	|	1.80
23.250	0.00	0.57	1.353	O	|	|	|	1.79
23.333	0.00	0.57	1.349	O	|	|	|	1.79
23.417	0.00	0.56	1.345	O	|	|	|	1.78
23.500	0.00	0.56	1.341	O	|	|	|	1.78
23.583	0.00	0.56	1.337	O	|	|	|	1.77
23.667	0.00	0.56	1.334	O	|	|	|	1.77
23.750	0.00	0.56	1.330	O	|	|	|	1.77
23.833	0.00	0.56	1.326	O	|	|	|	1.76
23.917	0.00	0.56	1.322	O	|	|	|	1.76
24.000	0.00	0.56	1.318	O	|	|	|	1.75
24.083	0.00	0.55	1.314	O	|	|	|	1.75
24.167	0.00	0.55	1.311	O	|	|	|	1.74
24.250	0.00	0.55	1.307	O	|	|	|	1.74
24.333	0.00	0.55	1.303	O	|	|	|	1.73
24.417	0.00	0.55	1.299	O	|	|	|	1.73
24.500	0.00	0.55	1.295	O	|	|	|	1.72
24.583	0.00	0.55	1.292	O	|	|	|	1.72
24.667	0.00	0.55	1.288	O	|	|	|	1.71
24.750	0.00	0.54	1.284	O	|	|	|	1.71
24.833	0.00	0.54	1.280	O	|	|	|	1.70
24.917	0.00	0.54	1.277	O	|	|	|	1.70
25.000	0.00	0.54	1.273	O	|	|	|	1.69
25.083	0.00	0.54	1.269	O	|	|	|	1.69
25.167	0.00	0.54	1.265	O	|	|	|	1.69
25.250	0.00	0.54	1.262	O	|	|	|	1.68
25.333	0.00	0.54	1.258	O	|	|	|	1.68
25.417	0.00	0.53	1.254	O	|	|	|	1.67
25.500	0.00	0.53	1.251	O	|	|	|	1.67
25.583	0.00	0.53	1.247	O	|	|	|	1.66
25.667	0.00	0.53	1.243	O	|	|	|	1.66
25.750	0.00	0.53	1.240	O	|	|	|	1.65
25.833	0.00	0.53	1.236	O	|	|	|	1.65
25.917	0.00	0.53	1.232	O	|	|	|	1.64
26.000	0.00	0.53	1.229	O	|	|	|	1.64
26.083	0.00	0.53	1.225	O	|	|	|	1.64
26.167	0.00	0.52	1.222	O	|	|	|	1.63
26.250	0.00	0.52	1.218	O	|	|	|	1.63
26.333	0.00	0.52	1.214	O	|	|	|	1.62
26.417	0.00	0.52	1.211	O	|	|	|	1.62
26.500	0.00	0.52	1.207	O	|	|	|	1.61
26.583	0.00	0.52	1.204	O	|	|	|	1.61
26.667	0.00	0.52	1.200	O	|	|	|	1.60
26.750	0.00	0.52	1.196	O	|	|	|	1.60
26.833	0.00	0.52	1.193	O	|	|	|	1.60
26.917	0.00	0.51	1.189	O	|	|	|	1.59
27.000	0.00	0.51	1.186	O	|	|	|	1.59
27.083	0.00	0.51	1.182	O	|	|	|	1.58
27.167	0.00	0.51	1.179	O	|	|	|	1.58
27.250	0.00	0.51	1.175	O	|	|	|	1.57
27.333	0.00	0.51	1.172	O	|	|	|	1.57
27.417	0.00	0.51	1.168	O	|	|	|	1.57
27.500	0.00	0.51	1.165	O	|	|	|	1.56
27.583	0.00	0.50	1.161	O	|	|	|	1.56
27.667	0.00	0.50	1.158	O	|	|	|	1.55
27.750	0.00	0.50	1.154	O	|	|	|	1.55
27.833	0.00	0.50	1.151	O	|	|	|	1.54
27.917	0.00	0.50	1.147	O	|	|	|	1.54
28.000	0.00	0.50	1.144	O	|	|	|	1.54
28.083	0.00	0.50	1.141	O	|	|	|	1.53
28.167	0.00	0.50	1.137	O	|	|	|	1.53
28.250	0.00	0.50	1.134	O	|	|	|	1.52
28.333	0.00	0.49	1.130	O	|	|	|	1.52

28.417	0.00	0.49	1.127	O	|	|	|	1.51
28.500	0.00	0.49	1.124	O	|	|	|	1.51
28.583	0.00	0.49	1.120	O	|	|	|	1.51
28.667	0.00	0.49	1.117	O	|	|	|	1.50
28.750	0.00	0.49	1.113	O	|	|	|	1.50
28.833	0.00	0.49	1.110	O	|	|	|	1.49
28.917	0.00	0.49	1.107	O	|	|	|	1.49
29.000	0.00	0.49	1.103	O	|	|	|	1.49
29.083	0.00	0.49	1.100	O	|	|	|	1.48
29.167	0.00	0.48	1.097	O	|	|	|	1.48
29.250	0.00	0.48	1.093	O	|	|	|	1.47
29.333	0.00	0.48	1.090	O	|	|	|	1.47
29.417	0.00	0.48	1.087	O	|	|	|	1.46
29.500	0.00	0.48	1.083	O	|	|	|	1.46
29.583	0.00	0.48	1.080	O	|	|	|	1.46
29.667	0.00	0.48	1.077	O	|	|	|	1.45
29.750	0.00	0.48	1.073	O	|	|	|	1.45
29.833	0.00	0.48	1.070	O	|	|	|	1.44
29.917	0.00	0.47	1.067	O	|	|	|	1.44
30.000	0.00	0.47	1.064	O	|	|	|	1.44
30.083	0.00	0.47	1.060	O	|	|	|	1.43
30.167	0.00	0.47	1.057	O	|	|	|	1.43
30.250	0.00	0.47	1.054	O	|	|	|	1.42
30.333	0.00	0.47	1.051	O	|	|	|	1.42
30.417	0.00	0.47	1.047	O	|	|	|	1.42
30.500	0.00	0.47	1.044	O	|	|	|	1.41
30.583	0.00	0.47	1.041	O	|	|	|	1.41
30.667	0.00	0.47	1.038	O	|	|	|	1.40
30.750	0.00	0.46	1.035	O	|	|	|	1.40
30.833	0.00	0.46	1.031	O	|	|	|	1.40
30.917	0.00	0.46	1.028	O	|	|	|	1.39
31.000	0.00	0.46	1.025	O	|	|	|	1.39
31.083	0.00	0.46	1.022	O	|	|	|	1.38
31.167	0.00	0.46	1.019	O	|	|	|	1.38
31.250	0.00	0.46	1.016	O	|	|	|	1.38
31.333	0.00	0.46	1.012	O	|	|	|	1.37
31.417	0.00	0.46	1.009	O	|	|	|	1.37
31.500	0.00	0.46	1.006	O	|	|	|	1.37
31.583	0.00	0.45	1.003	O	|	|	|	1.36
31.667	0.00	0.45	1.000	O	|	|	|	1.36
31.750	0.00	0.45	0.997	O	|	|	|	1.35
31.833	0.00	0.45	0.994	O	|	|	|	1.35
31.917	0.00	0.45	0.991	O	|	|	|	1.35
32.000	0.00	0.45	0.987	O	|	|	|	1.34
32.083	0.00	0.45	0.984	O	|	|	|	1.34
32.167	0.00	0.45	0.981	O	|	|	|	1.33
32.250	0.00	0.45	0.978	O	|	|	|	1.33
32.333	0.00	0.45	0.975	O	|	|	|	1.33
32.417	0.00	0.44	0.972	O	|	|	|	1.32
32.500	0.00	0.44	0.969	O	|	|	|	1.32
32.583	0.00	0.44	0.966	O	|	|	|	1.32
32.667	0.00	0.44	0.963	O	|	|	|	1.31
32.750	0.00	0.44	0.960	O	|	|	|	1.31
32.833	0.00	0.44	0.957	O	|	|	|	1.30
32.917	0.00	0.44	0.954	O	|	|	|	1.30
33.000	0.00	0.44	0.951	O	|	|	|	1.30
33.083	0.00	0.44	0.948	O	|	|	|	1.29
33.167	0.00	0.44	0.945	O	|	|	|	1.29
33.250	0.00	0.43	0.942	O	|	|	|	1.29
33.333	0.00	0.43	0.939	O	|	|	|	1.28
33.417	0.00	0.43	0.936	O	|	|	|	1.28
33.500	0.00	0.43	0.933	O	|	|	|	1.28
33.583	0.00	0.43	0.930	O	|	|	|	1.27
33.667	0.00	0.43	0.927	O	|	|	|	1.27
33.750	0.00	0.43	0.924	O	|	|	|	1.26
33.833	0.00	0.43	0.921	O	|	|	|	1.26
33.917	0.00	0.43	0.918	O	|	|	|	1.26

34.000	0.00	0.43	0.915	O	|	|	|	|	1.25
34.083	0.00	0.42	0.912	O	|	|	|	|	1.25
34.167	0.00	0.42	0.909	O	|	|	|	|	1.25
34.250	0.00	0.42	0.906	O	|	|	|	|	1.24
34.333	0.00	0.42	0.903	O	|	|	|	|	1.24
34.417	0.00	0.42	0.901	O	|	|	|	|	1.24
34.500	0.00	0.42	0.898	O	|	|	|	|	1.23
34.583	0.00	0.42	0.895	O	|	|	|	|	1.23
34.667	0.00	0.42	0.892	O	|	|	|	|	1.22
34.750	0.00	0.42	0.889	O	|	|	|	|	1.22
34.833	0.00	0.42	0.886	O	|	|	|	|	1.22
34.917	0.00	0.42	0.883	O	|	|	|	|	1.21
35.000	0.00	0.41	0.880	O	|	|	|	|	1.21
35.083	0.00	0.41	0.878	O	|	|	|	|	1.21
35.167	0.00	0.41	0.875	O	|	|	|	|	1.20
35.250	0.00	0.41	0.872	O	|	|	|	|	1.20
35.333	0.00	0.41	0.869	O	|	|	|	|	1.20
35.417	0.00	0.41	0.866	O	|	|	|	|	1.19
35.500	0.00	0.41	0.863	O	|	|	|	|	1.19
35.583	0.00	0.41	0.861	O	|	|	|	|	1.19
35.667	0.00	0.41	0.858	O	|	|	|	|	1.18
35.750	0.00	0.41	0.855	O	|	|	|	|	1.18
35.833	0.00	0.41	0.852	O	|	|	|	|	1.18
35.917	0.00	0.40	0.849	O	|	|	|	|	1.17
36.000	0.00	0.40	0.847	O	|	|	|	|	1.17
36.083	0.00	0.40	0.844	O	|	|	|	|	1.17
36.167	0.00	0.40	0.841	O	|	|	|	|	1.16
36.250	0.00	0.40	0.838	O	|	|	|	|	1.16
36.333	0.00	0.40	0.835	O	|	|	|	|	1.15
36.417	0.00	0.40	0.833	O	|	|	|	|	1.15
36.500	0.00	0.40	0.830	O	|	|	|	|	1.15
36.583	0.00	0.40	0.827	O	|	|	|	|	1.14
36.667	0.00	0.40	0.825	O	|	|	|	|	1.14
36.750	0.00	0.40	0.822	O	|	|	|	|	1.14
36.833	0.00	0.40	0.819	O	|	|	|	|	1.13
36.917	0.00	0.39	0.816	O	|	|	|	|	1.13
37.000	0.00	0.39	0.814	O	|	|	|	|	1.13
37.083	0.00	0.39	0.811	O	|	|	|	|	1.12
37.167	0.00	0.39	0.808	O	|	|	|	|	1.12
37.250	0.00	0.39	0.806	O	|	|	|	|	1.12
37.333	0.00	0.39	0.803	O	|	|	|	|	1.11
37.417	0.00	0.39	0.800	O	|	|	|	|	1.11
37.500	0.00	0.39	0.797	O	|	|	|	|	1.11
37.583	0.00	0.39	0.795	O	|	|	|	|	1.10
37.667	0.00	0.39	0.792	O	|	|	|	|	1.10
37.750	0.00	0.39	0.789	O	|	|	|	|	1.10
37.833	0.00	0.38	0.787	O	|	|	|	|	1.09
37.917	0.00	0.38	0.784	O	|	|	|	|	1.09
38.000	0.00	0.38	0.782	O	|	|	|	|	1.09
38.083	0.00	0.38	0.779	O	|	|	|	|	1.09
38.167	0.00	0.38	0.776	O	|	|	|	|	1.08
38.250	0.00	0.38	0.774	O	|	|	|	|	1.08
38.333	0.00	0.38	0.771	O	|	|	|	|	1.08
38.417	0.00	0.38	0.768	O	|	|	|	|	1.07
38.500	0.00	0.38	0.766	O	|	|	|	|	1.07
38.583	0.00	0.38	0.763	O	|	|	|	|	1.07
38.667	0.00	0.38	0.761	O	|	|	|	|	1.06
38.750	0.00	0.38	0.758	O	|	|	|	|	1.06
38.833	0.00	0.37	0.755	O	|	|	|	|	1.06
38.917	0.00	0.37	0.753	O	|	|	|	|	1.05
39.000	0.00	0.37	0.750	O	|	|	|	|	1.05
39.083	0.00	0.37	0.748	O	|	|	|	|	1.05
39.167	0.00	0.37	0.745	O	|	|	|	|	1.04
39.250	0.00	0.37	0.743	O	|	|	|	|	1.04
39.333	0.00	0.37	0.740	O	|	|	|	|	1.04
39.417	0.00	0.37	0.738	O	|	|	|	|	1.03
39.500	0.00	0.37	0.735	O	|	|	|	|	1.03

39.583	0.00	0.37	0.732	O	|	|	|	| 1.03
39.667	0.00	0.37	0.730	O	|	|	|	| 1.02
39.750	0.00	0.37	0.727	O	|	|	|	| 1.02
39.833	0.00	0.36	0.725	O	|	|	|	| 1.02
39.917	0.00	0.36	0.722	O	|	|	|	| 1.02
40.000	0.00	0.36	0.720	O	|	|	|	| 1.01
40.083	0.00	0.36	0.717	O	|	|	|	| 1.01
40.167	0.00	0.36	0.715	O	|	|	|	| 1.01
40.250	0.00	0.36	0.712	O	|	|	|	| 1.00
40.333	0.00	0.36	0.710	O	|	|	|	| 1.00
40.417	0.00	0.36	0.707	O	|	|	|	| 1.00
40.500	0.00	0.36	0.705	O	|	|	|	| 0.99
40.583	0.00	0.36	0.703	O	|	|	|	| 0.99
40.667	0.00	0.35	0.700	O	|	|	|	| 0.99
40.750	0.00	0.35	0.698	O	|	|	|	| 0.98
40.833	0.00	0.35	0.695	O	|	|	|	| 0.98
40.917	0.00	0.35	0.693	O	|	|	|	| 0.98
41.000	0.00	0.35	0.690	O	|	|	|	| 0.97
41.083	0.00	0.35	0.688	O	|	|	|	| 0.97
41.167	0.00	0.35	0.686	O	|	|	|	| 0.97
41.250	0.00	0.35	0.683	O	|	|	|	| 0.96
41.333	0.00	0.35	0.681	O	|	|	|	| 0.96
41.417	0.00	0.34	0.678	O	|	|	|	| 0.96
41.500	0.00	0.34	0.676	O	|	|	|	| 0.95
41.583	0.00	0.34	0.674	O	|	|	|	| 0.95
41.667	0.00	0.34	0.671	O	|	|	|	| 0.95
41.750	0.00	0.34	0.669	O	|	|	|	| 0.94
41.833	0.00	0.34	0.667	O	|	|	|	| 0.94
41.917	0.00	0.34	0.664	O	|	|	|	| 0.94
42.000	0.00	0.34	0.662	O	|	|	|	| 0.93
42.083	0.00	0.33	0.660	O	|	|	|	| 0.93
42.167	0.00	0.33	0.657	O	|	|	|	| 0.93
42.250	0.00	0.33	0.655	O	|	|	|	| 0.92
42.333	0.00	0.33	0.653	O	|	|	|	| 0.92
42.417	0.00	0.33	0.651	O	|	|	|	| 0.92
42.500	0.00	0.33	0.648	O	|	|	|	| 0.91
42.583	0.00	0.33	0.646	O	|	|	|	| 0.91
42.667	0.00	0.33	0.644	O	|	|	|	| 0.91
42.750	0.00	0.33	0.642	O	|	|	|	| 0.90
42.833	0.00	0.32	0.639	O	|	|	|	| 0.90
42.917	0.00	0.32	0.637	O	|	|	|	| 0.90
43.000	0.00	0.32	0.635	O	|	|	|	| 0.89
43.083	0.00	0.32	0.633	O	|	|	|	| 0.89
43.167	0.00	0.32	0.630	O	|	|	|	| 0.89
43.250	0.00	0.32	0.628	O	|	|	|	| 0.88
43.333	0.00	0.32	0.626	O	|	|	|	| 0.88
43.417	0.00	0.32	0.624	O	|	|	|	| 0.88
43.500	0.00	0.32	0.622	O	|	|	|	| 0.88
43.583	0.00	0.31	0.620	O	|	|	|	| 0.87
43.667	0.00	0.31	0.617	O	|	|	|	| 0.87
43.750	0.00	0.31	0.615	O	|	|	|	| 0.87
43.833	0.00	0.31	0.613	O	|	|	|	| 0.86
43.917	0.00	0.31	0.611	O	|	|	|	| 0.86
44.000	0.00	0.31	0.609	O	|	|	|	| 0.86
44.083	0.00	0.31	0.607	O	|	|	|	| 0.85
44.167	0.00	0.31	0.605	O	|	|	|	| 0.85
44.250	0.00	0.31	0.602	O	|	|	|	| 0.85
44.333	0.00	0.30	0.600	O	|	|	|	| 0.85
44.417	0.00	0.30	0.598	O	|	|	|	| 0.84
44.500	0.00	0.30	0.596	O	|	|	|	| 0.84
44.583	0.00	0.30	0.594	O	|	|	|	| 0.84
44.667	0.00	0.30	0.592	O	|	|	|	| 0.83
44.750	0.00	0.30	0.590	O	|	|	|	| 0.83
44.833	0.00	0.30	0.588	O	|	|	|	| 0.83
44.917	0.00	0.30	0.586	O	|	|	|	| 0.83
45.000	0.00	0.30	0.584	O	|	|	|	| 0.82
45.083	0.00	0.30	0.582	O	|	|	|	| 0.82

45.167	0.00	0.29	0.580	O	|	|	|	|	0.82
45.250	0.00	0.29	0.578	O	|	|	|	|	0.81
45.333	0.00	0.29	0.576	O	|	|	|	|	0.81
45.417	0.00	0.29	0.574	O	|	|	|	|	0.81
45.500	0.00	0.29	0.572	O	|	|	|	|	0.81
45.583	0.00	0.29	0.570	O	|	|	|	|	0.80
45.667	0.00	0.29	0.568	O	|	|	|	|	0.80
45.750	0.00	0.29	0.566	O	|	|	|	|	0.80
45.833	0.00	0.29	0.564	O	|	|	|	|	0.79
45.917	0.00	0.28	0.562	O	|	|	|	|	0.79
46.000	0.00	0.28	0.560	O	|	|	|	|	0.79
46.083	0.00	0.28	0.558	O	|	|	|	|	0.79
46.167	0.00	0.28	0.556	O	|	|	|	|	0.78
46.250	0.00	0.28	0.554	O	|	|	|	|	0.78
46.333	0.00	0.28	0.552	O	|	|	|	|	0.78
46.417	0.00	0.28	0.550	O	|	|	|	|	0.77
46.500	0.00	0.28	0.548	O	|	|	|	|	0.77
46.583	0.00	0.28	0.546	O	|	|	|	|	0.77
46.667	0.00	0.28	0.544	O	|	|	|	|	0.77
46.750	0.00	0.28	0.543	O	|	|	|	|	0.76
46.833	0.00	0.27	0.541	O	|	|	|	|	0.76
46.917	0.00	0.27	0.539	O	|	|	|	|	0.76
47.000	0.00	0.27	0.537	O	|	|	|	|	0.76
47.083	0.00	0.27	0.535	O	|	|	|	|	0.75
47.167	0.00	0.27	0.533	O	|	|	|	|	0.75
47.250	0.00	0.27	0.531	O	|	|	|	|	0.75
47.333	0.00	0.27	0.529	O	|	|	|	|	0.75
47.417	0.00	0.27	0.528	O	|	|	|	|	0.74
47.500	0.00	0.27	0.526	O	|	|	|	|	0.74
47.583	0.00	0.27	0.524	O	|	|	|	|	0.74
47.667	0.00	0.26	0.522	O	|	|	|	|	0.74
47.750	0.00	0.26	0.520	O	|	|	|	|	0.73
47.833	0.00	0.26	0.518	O	|	|	|	|	0.73
47.917	0.00	0.26	0.517	O	|	|	|	|	0.73
48.000	0.00	0.26	0.515	O	|	|	|	|	0.73
48.083	0.00	0.26	0.513	O	|	|	|	|	0.72
48.167	0.00	0.26	0.511	O	|	|	|	|	0.72
48.250	0.00	0.26	0.510	O	|	|	|	|	0.72
48.333	0.00	0.26	0.508	O	|	|	|	|	0.72
48.417	0.00	0.26	0.506	O	|	|	|	|	0.71
48.500	0.00	0.26	0.504	O	|	|	|	|	0.71
48.583	0.00	0.25	0.502	O	|	|	|	|	0.71
48.667	0.00	0.25	0.501	O	|	|	|	|	0.71
48.750	0.00	0.25	0.499	O	|	|	|	|	0.70
48.833	0.00	0.25	0.497	O	|	|	|	|	0.70
48.917	0.00	0.25	0.495	O	|	|	|	|	0.70
49.000	0.00	0.25	0.494	O	|	|	|	|	0.70
49.083	0.00	0.25	0.492	O	|	|	|	|	0.69
49.167	0.00	0.25	0.490	O	|	|	|	|	0.69
49.250	0.00	0.25	0.489	O	|	|	|	|	0.69
49.333	0.00	0.25	0.487	O	|	|	|	|	0.69
49.417	0.00	0.25	0.485	O	|	|	|	|	0.68
49.500	0.00	0.25	0.484	O	|	|	|	|	0.68
49.583	0.00	0.24	0.482	O	|	|	|	|	0.68
49.667	0.00	0.24	0.480	O	|	|	|	|	0.68
49.750	0.00	0.24	0.478	O	|	|	|	|	0.67
49.833	0.00	0.24	0.477	O	|	|	|	|	0.67
49.917	0.00	0.24	0.475	O	|	|	|	|	0.67
50.000	0.00	0.24	0.473	O	|	|	|	|	0.67
50.083	0.00	0.24	0.472	O	|	|	|	|	0.66
50.167	0.00	0.24	0.470	O	|	|	|	|	0.66
50.250	0.00	0.24	0.469	O	|	|	|	|	0.66
50.333	0.00	0.24	0.467	O	|	|	|	|	0.66
50.417	0.00	0.24	0.465	O	|	|	|	|	0.66
50.500	0.00	0.24	0.464	O	|	|	|	|	0.65
50.583	0.00	0.23	0.462	O	|	|	|	|	0.65
50.667	0.00	0.23	0.460	O	|	|	|	|	0.65

50.750	0.00	0.23	0.459	O	|	|	|	|	0.65
50.833	0.00	0.23	0.457	O	|	|	|	|	0.64
50.917	0.00	0.23	0.456	O	|	|	|	|	0.64
51.000	0.00	0.23	0.454	O	|	|	|	|	0.64
51.083	0.00	0.23	0.452	O	|	|	|	|	0.64
51.167	0.00	0.23	0.451	O	|	|	|	|	0.64
51.250	0.00	0.23	0.449	O	|	|	|	|	0.63
51.333	0.00	0.23	0.448	O	|	|	|	|	0.63
51.417	0.00	0.23	0.446	O	|	|	|	|	0.63
51.500	0.00	0.23	0.445	O	|	|	|	|	0.63
51.583	0.00	0.22	0.443	O	|	|	|	|	0.62
51.667	0.00	0.22	0.442	O	|	|	|	|	0.62
51.750	0.00	0.22	0.440	O	|	|	|	|	0.62
51.833	0.00	0.22	0.438	O	|	|	|	|	0.62
51.917	0.00	0.22	0.437	O	|	|	|	|	0.62
52.000	0.00	0.22	0.435	O	|	|	|	|	0.61
52.083	0.00	0.22	0.434	O	|	|	|	|	0.61
52.167	0.00	0.22	0.432	O	|	|	|	|	0.61
52.250	0.00	0.22	0.431	O	|	|	|	|	0.61
52.333	0.00	0.22	0.429	O	|	|	|	|	0.60
52.417	0.00	0.22	0.428	O	|	|	|	|	0.60
52.500	0.00	0.22	0.426	O	|	|	|	|	0.60
52.583	0.00	0.22	0.425	O	|	|	|	|	0.60
52.667	0.00	0.21	0.423	O	|	|	|	|	0.60
52.750	0.00	0.21	0.422	O	|	|	|	|	0.59
52.833	0.00	0.21	0.420	O	|	|	|	|	0.59
52.917	0.00	0.21	0.419	O	|	|	|	|	0.59
53.000	0.00	0.21	0.418	O	|	|	|	|	0.59
53.083	0.00	0.21	0.416	O	|	|	|	|	0.59
53.167	0.00	0.21	0.415	O	|	|	|	|	0.58
53.250	0.00	0.21	0.413	O	|	|	|	|	0.58
53.333	0.00	0.21	0.412	O	|	|	|	|	0.58
53.417	0.00	0.21	0.410	O	|	|	|	|	0.58
53.500	0.00	0.21	0.409	O	|	|	|	|	0.58
53.583	0.00	0.21	0.407	O	|	|	|	|	0.57
53.667	0.00	0.21	0.406	O	|	|	|	|	0.57
53.750	0.00	0.21	0.405	O	|	|	|	|	0.57
53.833	0.00	0.20	0.403	O	|	|	|	|	0.57
53.917	0.00	0.20	0.402	O	|	|	|	|	0.57
54.000	0.00	0.20	0.400	O	|	|	|	|	0.56
54.083	0.00	0.20	0.399	O	|	|	|	|	0.56
54.167	0.00	0.20	0.398	O	|	|	|	|	0.56
54.250	0.00	0.20	0.396	O	|	|	|	|	0.56
54.333	0.00	0.20	0.395	O	|	|	|	|	0.56
54.417	0.00	0.20	0.393	O	|	|	|	|	0.55
54.500	0.00	0.20	0.392	O	|	|	|	|	0.55
54.583	0.00	0.20	0.391	O	|	|	|	|	0.55
54.667	0.00	0.20	0.389	O	|	|	|	|	0.55
54.750	0.00	0.20	0.388	O	|	|	|	|	0.55
54.833	0.00	0.20	0.387	O	|	|	|	|	0.54
54.917	0.00	0.20	0.385	O	|	|	|	|	0.54
55.000	0.00	0.19	0.384	O	|	|	|	|	0.54
55.083	0.00	0.19	0.383	O	|	|	|	|	0.54
55.167	0.00	0.19	0.381	O	|	|	|	|	0.54
55.250	0.00	0.19	0.380	O	|	|	|	|	0.54
55.333	0.00	0.19	0.379	O	|	|	|	|	0.53
55.417	0.00	0.19	0.377	O	|	|	|	|	0.53
55.500	0.00	0.19	0.376	O	|	|	|	|	0.53
55.583	0.00	0.19	0.375	O	|	|	|	|	0.53
55.667	0.00	0.19	0.373	O	|	|	|	|	0.53
55.750	0.00	0.19	0.372	O	|	|	|	|	0.52
55.833	0.00	0.19	0.371	O	|	|	|	|	0.52
55.917	0.00	0.19	0.370	O	|	|	|	|	0.52
56.000	0.00	0.19	0.368	O	|	|	|	|	0.52
56.083	0.00	0.19	0.367	O	|	|	|	|	0.52
56.167	0.00	0.19	0.366	O	|	|	|	|	0.52
56.250	0.00	0.18	0.364	O	|	|	|	|	0.51

56.333	0.00	0.18	0.363	O	|	|	|	0.51
56.417	0.00	0.18	0.362	O	|	|	|	0.51
56.500	0.00	0.18	0.361	O	|	|	|	0.51
56.583	0.00	0.18	0.359	O	|	|	|	0.51
56.667	0.00	0.18	0.358	O	|	|	|	0.50
56.750	0.00	0.18	0.357	O	|	|	|	0.50
56.833	0.00	0.18	0.356	O	|	|	|	0.50
56.917	0.00	0.18	0.354	O	|	|	|	0.50
57.000	0.00	0.18	0.353	O	|	|	|	0.50
57.083	0.00	0.18	0.352	O	|	|	|	0.50
57.167	0.00	0.18	0.351	O	|	|	|	0.49
57.250	0.00	0.18	0.349	O	|	|	|	0.49
57.333	0.00	0.18	0.348	O	|	|	|	0.49
57.417	0.00	0.18	0.347	O	|	|	|	0.49
57.500	0.00	0.18	0.346	O	|	|	|	0.49
57.583	0.00	0.17	0.345	O	|	|	|	0.49
57.667	0.00	0.17	0.343	O	|	|	|	0.48
57.750	0.00	0.17	0.342	O	|	|	|	0.48
57.833	0.00	0.17	0.341	O	|	|	|	0.48
57.917	0.00	0.17	0.340	O	|	|	|	0.48
58.000	0.00	0.17	0.339	O	|	|	|	0.48
58.083	0.00	0.17	0.337	O	|	|	|	0.48
58.167	0.00	0.17	0.336	O	|	|	|	0.47
58.250	0.00	0.17	0.335	O	|	|	|	0.47
58.333	0.00	0.17	0.334	O	|	|	|	0.47
58.417	0.00	0.17	0.333	O	|	|	|	0.47
58.500	0.00	0.17	0.332	O	|	|	|	0.47
58.583	0.00	0.17	0.330	O	|	|	|	0.47
58.667	0.00	0.17	0.329	O	|	|	|	0.46
58.750	0.00	0.17	0.328	O	|	|	|	0.46
58.833	0.00	0.17	0.327	O	|	|	|	0.46
58.917	0.00	0.17	0.326	O	|	|	|	0.46
59.000	0.00	0.16	0.325	O	|	|	|	0.46
59.083	0.00	0.16	0.324	O	|	|	|	0.46
59.167	0.00	0.16	0.322	O	|	|	|	0.45
59.250	0.00	0.16	0.321	O	|	|	|	0.45
59.333	0.00	0.16	0.320	O	|	|	|	0.45
59.417	0.00	0.16	0.319	O	|	|	|	0.45
59.500	0.00	0.16	0.318	O	|	|	|	0.45
59.583	0.00	0.16	0.317	O	|	|	|	0.45
59.667	0.00	0.16	0.316	O	|	|	|	0.44
59.750	0.00	0.16	0.315	O	|	|	|	0.44
59.833	0.00	0.16	0.314	O	|	|	|	0.44
59.917	0.00	0.16	0.312	O	|	|	|	0.44
60.000	0.00	0.16	0.311	O	|	|	|	0.44
60.083	0.00	0.16	0.310	O	|	|	|	0.44
60.167	0.00	0.16	0.309	O	|	|	|	0.44
60.250	0.00	0.16	0.308	O	|	|	|	0.43
60.333	0.00	0.16	0.307	O	|	|	|	0.43
60.417	0.00	0.16	0.306	O	|	|	|	0.43
60.500	0.00	0.15	0.305	O	|	|	|	0.43
60.583	0.00	0.15	0.304	O	|	|	|	0.43
60.667	0.00	0.15	0.303	O	|	|	|	0.43
60.750	0.00	0.15	0.302	O	|	|	|	0.43
60.833	0.00	0.15	0.301	O	|	|	|	0.42
60.917	0.00	0.15	0.300	O	|	|	|	0.42
61.000	0.00	0.15	0.299	O	|	|	|	0.42
61.083	0.00	0.15	0.298	O	|	|	|	0.42
61.167	0.00	0.15	0.297	O	|	|	|	0.42
61.250	0.00	0.15	0.296	O	|	|	|	0.42
61.333	0.00	0.15	0.294	O	|	|	|	0.41
61.417	0.00	0.15	0.293	O	|	|	|	0.41
61.500	0.00	0.15	0.292	O	|	|	|	0.41
61.583	0.00	0.15	0.291	O	|	|	|	0.41
61.667	0.00	0.15	0.290	O	|	|	|	0.41
61.750	0.00	0.15	0.289	O	|	|	|	0.41
61.833	0.00	0.15	0.288	O	|	|	|	0.41

61.917	0.00	0.15	0.287	O	|	|	|	|	0.40
62.000	0.00	0.15	0.286	O	|	|	|	|	0.40
62.083	0.00	0.14	0.285	O	|	|	|	|	0.40
62.167	0.00	0.14	0.284	O	|	|	|	|	0.40
62.250	0.00	0.14	0.283	O	|	|	|	|	0.40
62.333	0.00	0.14	0.282	O	|	|	|	|	0.40
62.417	0.00	0.14	0.281	O	|	|	|	|	0.40
62.500	0.00	0.14	0.280	O	|	|	|	|	0.39
62.583	0.00	0.14	0.279	O	|	|	|	|	0.39
62.667	0.00	0.14	0.278	O	|	|	|	|	0.39
62.750	0.00	0.14	0.278	O	|	|	|	|	0.39
62.833	0.00	0.14	0.277	O	|	|	|	|	0.39
62.917	0.00	0.14	0.276	O	|	|	|	|	0.39
63.000	0.00	0.14	0.275	O	|	|	|	|	0.39
63.083	0.00	0.14	0.274	O	|	|	|	|	0.39
63.167	0.00	0.14	0.273	O	|	|	|	|	0.38
63.250	0.00	0.14	0.272	O	|	|	|	|	0.38
63.333	0.00	0.14	0.271	O	|	|	|	|	0.38
63.417	0.00	0.14	0.270	O	|	|	|	|	0.38
63.500	0.00	0.14	0.269	O	|	|	|	|	0.38
63.583	0.00	0.14	0.268	O	|	|	|	|	0.38
63.667	0.00	0.14	0.267	O	|	|	|	|	0.38
63.750	0.00	0.13	0.266	O	|	|	|	|	0.37
63.833	0.00	0.13	0.265	O	|	|	|	|	0.37
63.917	0.00	0.13	0.264	O	|	|	|	|	0.37
64.000	0.00	0.13	0.263	O	|	|	|	|	0.37
64.083	0.00	0.13	0.262	O	|	|	|	|	0.37
64.167	0.00	0.13	0.262	O	|	|	|	|	0.37
64.250	0.00	0.13	0.261	O	|	|	|	|	0.37
64.333	0.00	0.13	0.260	O	|	|	|	|	0.37
64.417	0.00	0.13	0.259	O	|	|	|	|	0.36
64.500	0.00	0.13	0.258	O	|	|	|	|	0.36
64.583	0.00	0.13	0.257	O	|	|	|	|	0.36
64.667	0.00	0.13	0.256	O	|	|	|	|	0.36
64.750	0.00	0.13	0.255	O	|	|	|	|	0.36
64.833	0.00	0.13	0.254	O	|	|	|	|	0.36
64.917	0.00	0.13	0.253	O	|	|	|	|	0.36
65.000	0.00	0.13	0.253	O	|	|	|	|	0.36
65.083	0.00	0.13	0.252	O	|	|	|	|	0.35
65.167	0.00	0.13	0.251	O	|	|	|	|	0.35
65.250	0.00	0.13	0.250	O	|	|	|	|	0.35
65.333	0.00	0.13	0.249	O	|	|	|	|	0.35
65.417	0.00	0.13	0.248	O	|	|	|	|	0.35
65.500	0.00	0.13	0.247	O	|	|	|	|	0.35
65.583	0.00	0.12	0.246	O	|	|	|	|	0.35
65.667	0.00	0.12	0.246	O	|	|	|	|	0.35
65.750	0.00	0.12	0.245	O	|	|	|	|	0.34
65.833	0.00	0.12	0.244	O	|	|	|	|	0.34
65.917	0.00	0.12	0.243	O	|	|	|	|	0.34
66.000	0.00	0.12	0.242	O	|	|	|	|	0.34
66.083	0.00	0.12	0.241	O	|	|	|	|	0.34
66.167	0.00	0.12	0.240	O	|	|	|	|	0.34
66.250	0.00	0.12	0.240	O	|	|	|	|	0.34
66.333	0.00	0.12	0.239	O	|	|	|	|	0.34
66.417	0.00	0.12	0.238	O	|	|	|	|	0.34
66.500	0.00	0.12	0.237	O	|	|	|	|	0.33
66.583	0.00	0.12	0.236	O	|	|	|	|	0.33
66.667	0.00	0.12	0.235	O	|	|	|	|	0.33
66.750	0.00	0.12	0.235	O	|	|	|	|	0.33
66.833	0.00	0.12	0.234	O	|	|	|	|	0.33
66.917	0.00	0.12	0.233	O	|	|	|	|	0.33
67.000	0.00	0.12	0.232	O	|	|	|	|	0.33
67.083	0.00	0.12	0.231	O	|	|	|	|	0.33
67.167	0.00	0.12	0.231	O	|	|	|	|	0.32
67.250	0.00	0.12	0.230	O	|	|	|	|	0.32
67.333	0.00	0.12	0.229	O	|	|	|	|	0.32
67.417	0.00	0.12	0.228	O	|	|	|	|	0.32

67.500	0.00	0.12	0.227	O	|	|	|	|	0.32
67.583	0.00	0.11	0.227	O	|	|	|	|	0.32
67.667	0.00	0.11	0.226	O	|	|	|	|	0.32
67.750	0.00	0.11	0.225	O	|	|	|	|	0.32
67.833	0.00	0.11	0.224	O	|	|	|	|	0.32
67.917	0.00	0.11	0.223	O	|	|	|	|	0.31
68.000	0.00	0.11	0.223	O	|	|	|	|	0.31
68.083	0.00	0.11	0.222	O	|	|	|	|	0.31
68.167	0.00	0.11	0.221	O	|	|	|	|	0.31
68.250	0.00	0.11	0.220	O	|	|	|	|	0.31
68.333	0.00	0.11	0.220	O	|	|	|	|	0.31
68.417	0.00	0.11	0.219	O	|	|	|	|	0.31
68.500	0.00	0.11	0.218	O	|	|	|	|	0.31
68.583	0.00	0.11	0.217	O	|	|	|	|	0.31
68.667	0.00	0.11	0.217	O	|	|	|	|	0.31
68.750	0.00	0.11	0.216	O	|	|	|	|	0.30
68.833	0.00	0.11	0.215	O	|	|	|	|	0.30
68.917	0.00	0.11	0.214	O	|	|	|	|	0.30
69.000	0.00	0.11	0.214	O	|	|	|	|	0.30
69.083	0.00	0.11	0.213	O	|	|	|	|	0.30
69.167	0.00	0.11	0.212	O	|	|	|	|	0.30
69.250	0.00	0.11	0.211	O	|	|	|	|	0.30
69.333	0.00	0.11	0.211	O	|	|	|	|	0.30
69.417	0.00	0.11	0.210	O	|	|	|	|	0.30
69.500	0.00	0.11	0.209	O	|	|	|	|	0.29
69.583	0.00	0.11	0.208	O	|	|	|	|	0.29
69.667	0.00	0.11	0.208	O	|	|	|	|	0.29
69.750	0.00	0.10	0.207	O	|	|	|	|	0.29
69.833	0.00	0.10	0.206	O	|	|	|	|	0.29
69.917	0.00	0.10	0.206	O	|	|	|	|	0.29
70.000	0.00	0.10	0.205	O	|	|	|	|	0.29
70.083	0.00	0.10	0.204	O	|	|	|	|	0.29
70.167	0.00	0.10	0.203	O	|	|	|	|	0.29
70.250	0.00	0.10	0.203	O	|	|	|	|	0.29
70.333	0.00	0.10	0.202	O	|	|	|	|	0.28
70.417	0.00	0.10	0.201	O	|	|	|	|	0.28
70.500	0.00	0.10	0.201	O	|	|	|	|	0.28
70.583	0.00	0.10	0.200	O	|	|	|	|	0.28
70.667	0.00	0.10	0.199	O	|	|	|	|	0.28
70.750	0.00	0.10	0.198	O	|	|	|	|	0.28
70.833	0.00	0.10	0.198	O	|	|	|	|	0.28
70.917	0.00	0.10	0.197	O	|	|	|	|	0.28
71.000	0.00	0.10	0.196	O	|	|	|	|	0.28
71.083	0.00	0.10	0.196	O	|	|	|	|	0.28
71.167	0.00	0.10	0.195	O	|	|	|	|	0.27
71.250	0.00	0.10	0.194	O	|	|	|	|	0.27
71.333	0.00	0.10	0.194	O	|	|	|	|	0.27
71.417	0.00	0.10	0.193	O	|	|	|	|	0.27
71.500	0.00	0.10	0.192	O	|	|	|	|	0.27
71.583	0.00	0.10	0.192	O	|	|	|	|	0.27
71.667	0.00	0.10	0.191	O	|	|	|	|	0.27
71.750	0.00	0.10	0.190	O	|	|	|	|	0.27
71.833	0.00	0.10	0.190	O	|	|	|	|	0.27
71.917	0.00	0.10	0.189	O	|	|	|	|	0.27
72.000	0.00	0.10	0.188	O	|	|	|	|	0.27
72.083	0.00	0.10	0.188	O	|	|	|	|	0.26
72.167	0.00	0.09	0.187	O	|	|	|	|	0.26
72.250	0.00	0.09	0.186	O	|	|	|	|	0.26
72.333	0.00	0.09	0.186	O	|	|	|	|	0.26
72.417	0.00	0.09	0.185	O	|	|	|	|	0.26
72.500	0.00	0.09	0.184	O	|	|	|	|	0.26
72.583	0.00	0.09	0.184	O	|	|	|	|	0.26
72.667	0.00	0.09	0.183	O	|	|	|	|	0.26
72.750	0.00	0.09	0.183	O	|	|	|	|	0.26
72.833	0.00	0.09	0.182	O	|	|	|	|	0.26
72.917	0.00	0.09	0.181	O	|	|	|	|	0.26
73.000	0.00	0.09	0.181	O	|	|	|	|	0.25

73.083	0.00	0.09	0.180	O	|	|	|	|	0.25
73.167	0.00	0.09	0.179	O	|	|	|	|	0.25
73.250	0.00	0.09	0.179	O	|	|	|	|	0.25
73.333	0.00	0.09	0.178	O	|	|	|	|	0.25
73.417	0.00	0.09	0.177	O	|	|	|	|	0.25
73.500	0.00	0.09	0.177	O	|	|	|	|	0.25
73.583	0.00	0.09	0.176	O	|	|	|	|	0.25
73.667	0.00	0.09	0.176	O	|	|	|	|	0.25
73.750	0.00	0.09	0.175	O	|	|	|	|	0.25
73.833	0.00	0.09	0.174	O	|	|	|	|	0.25
73.917	0.00	0.09	0.174	O	|	|	|	|	0.24
74.000	0.00	0.09	0.173	O	|	|	|	|	0.24
74.083	0.00	0.09	0.173	O	|	|	|	|	0.24
74.167	0.00	0.09	0.172	O	|	|	|	|	0.24
74.250	0.00	0.09	0.171	O	|	|	|	|	0.24
74.333	0.00	0.09	0.171	O	|	|	|	|	0.24
74.417	0.00	0.09	0.170	O	|	|	|	|	0.24
74.500	0.00	0.09	0.170	O	|	|	|	|	0.24
74.583	0.00	0.09	0.169	O	|	|	|	|	0.24
74.667	0.00	0.09	0.168	O	|	|	|	|	0.24
74.750	0.00	0.09	0.168	O	|	|	|	|	0.24
74.833	0.00	0.08	0.167	O	|	|	|	|	0.24
74.917	0.00	0.08	0.167	O	|	|	|	|	0.23
75.000	0.00	0.08	0.166	O	|	|	|	|	0.23
75.083	0.00	0.08	0.166	O	|	|	|	|	0.23
75.167	0.00	0.08	0.165	O	|	|	|	|	0.23
75.250	0.00	0.08	0.164	O	|	|	|	|	0.23
75.333	0.00	0.08	0.164	O	|	|	|	|	0.23
75.417	0.00	0.08	0.163	O	|	|	|	|	0.23
75.500	0.00	0.08	0.163	O	|	|	|	|	0.23
75.583	0.00	0.08	0.162	O	|	|	|	|	0.23
75.667	0.00	0.08	0.162	O	|	|	|	|	0.23
75.750	0.00	0.08	0.161	O	|	|	|	|	0.23
75.833	0.00	0.08	0.160	O	|	|	|	|	0.23
75.917	0.00	0.08	0.160	O	|	|	|	|	0.23
76.000	0.00	0.08	0.159	O	|	|	|	|	0.22
76.083	0.00	0.08	0.159	O	|	|	|	|	0.22
76.167	0.00	0.08	0.158	O	|	|	|	|	0.22
76.250	0.00	0.08	0.158	O	|	|	|	|	0.22
76.333	0.00	0.08	0.157	O	|	|	|	|	0.22
76.417	0.00	0.08	0.157	O	|	|	|	|	0.22
76.500	0.00	0.08	0.156	O	|	|	|	|	0.22
76.583	0.00	0.08	0.155	O	|	|	|	|	0.22
76.667	0.00	0.08	0.155	O	|	|	|	|	0.22
76.750	0.00	0.08	0.154	O	|	|	|	|	0.22
76.833	0.00	0.08	0.154	O	|	|	|	|	0.22
76.917	0.00	0.08	0.153	O	|	|	|	|	0.22
77.000	0.00	0.08	0.153	O	|	|	|	|	0.22
77.083	0.00	0.08	0.152	O	|	|	|	|	0.21
77.167	0.00	0.08	0.152	O	|	|	|	|	0.21
77.250	0.00	0.08	0.151	O	|	|	|	|	0.21
77.333	0.00	0.08	0.151	O	|	|	|	|	0.21
77.417	0.00	0.08	0.150	O	|	|	|	|	0.21
77.500	0.00	0.08	0.150	O	|	|	|	|	0.21
77.583	0.00	0.08	0.149	O	|	|	|	|	0.21
77.667	0.00	0.08	0.149	O	|	|	|	|	0.21
77.750	0.00	0.08	0.148	O	|	|	|	|	0.21
77.833	0.00	0.07	0.147	O	|	|	|	|	0.21
77.917	0.00	0.07	0.147	O	|	|	|	|	0.21
78.000	0.00	0.07	0.146	O	|	|	|	|	0.21
78.083	0.00	0.07	0.146	O	|	|	|	|	0.21
78.167	0.00	0.07	0.145	O	|	|	|	|	0.20
78.250	0.00	0.07	0.145	O	|	|	|	|	0.20
78.333	0.00	0.07	0.144	O	|	|	|	|	0.20
78.417	0.00	0.07	0.144	O	|	|	|	|	0.20
78.500	0.00	0.07	0.143	O	|	|	|	|	0.20
78.583	0.00	0.07	0.143	O	|	|	|	|	0.20

78.667	0.00	0.07	0.142	O	|	|	|	0.20
78.750	0.00	0.07	0.142	O	|	|	|	0.20
78.833	0.00	0.07	0.141	O	|	|	|	0.20
78.917	0.00	0.07	0.141	O	|	|	|	0.20
79.000	0.00	0.07	0.140	O	|	|	|	0.20
79.083	0.00	0.07	0.140	O	|	|	|	0.20
79.167	0.00	0.07	0.139	O	|	|	|	0.20
79.250	0.00	0.07	0.139	O	|	|	|	0.20
79.333	0.00	0.07	0.139	O	|	|	|	0.20
79.417	0.00	0.07	0.138	O	|	|	|	0.19
79.500	0.00	0.07	0.138	O	|	|	|	0.19
79.583	0.00	0.07	0.137	O	|	|	|	0.19
79.667	0.00	0.07	0.137	O	|	|	|	0.19
79.750	0.00	0.07	0.136	O	|	|	|	0.19
79.833	0.00	0.07	0.136	O	|	|	|	0.19
79.917	0.00	0.07	0.135	O	|	|	|	0.19
80.000	0.00	0.07	0.135	O	|	|	|	0.19
80.083	0.00	0.07	0.134	O	|	|	|	0.19
80.167	0.00	0.07	0.134	O	|	|	|	0.19
80.250	0.00	0.07	0.133	O	|	|	|	0.19
80.333	0.00	0.07	0.133	O	|	|	|	0.19
80.417	0.00	0.07	0.132	O	|	|	|	0.19
80.500	0.00	0.07	0.132	O	|	|	|	0.19
80.583	0.00	0.07	0.131	O	|	|	|	0.19
80.667	0.00	0.07	0.131	O	|	|	|	0.18
80.750	0.00	0.07	0.131	O	|	|	|	0.18
80.833	0.00	0.07	0.130	O	|	|	|	0.18
80.917	0.00	0.07	0.130	O	|	|	|	0.18
81.000	0.00	0.07	0.129	O	|	|	|	0.18
81.083	0.00	0.07	0.129	O	|	|	|	0.18
81.167	0.00	0.07	0.128	O	|	|	|	0.18
81.250	0.00	0.06	0.128	O	|	|	|	0.18
81.333	0.00	0.06	0.127	O	|	|	|	0.18
81.417	0.00	0.06	0.127	O	|	|	|	0.18
81.500	0.00	0.06	0.126	O	|	|	|	0.18
81.583	0.00	0.06	0.126	O	|	|	|	0.18
81.667	0.00	0.06	0.126	O	|	|	|	0.18
81.750	0.00	0.06	0.125	O	|	|	|	0.18
81.833	0.00	0.06	0.125	O	|	|	|	0.18
81.917	0.00	0.06	0.124	O	|	|	|	0.18
82.000	0.00	0.06	0.124	O	|	|	|	0.17
82.083	0.00	0.06	0.123	O	|	|	|	0.17
82.167	0.00	0.06	0.123	O	|	|	|	0.17
82.250	0.00	0.06	0.123	O	|	|	|	0.17
82.333	0.00	0.06	0.122	O	|	|	|	0.17
82.417	0.00	0.06	0.122	O	|	|	|	0.17
82.500	0.00	0.06	0.121	O	|	|	|	0.17
82.583	0.00	0.06	0.121	O	|	|	|	0.17
82.667	0.00	0.06	0.120	O	|	|	|	0.17
82.750	0.00	0.06	0.120	O	|	|	|	0.17
82.833	0.00	0.06	0.120	O	|	|	|	0.17
82.917	0.00	0.06	0.119	O	|	|	|	0.17
83.000	0.00	0.06	0.119	O	|	|	|	0.17
83.083	0.00	0.06	0.118	O	|	|	|	0.17
83.167	0.00	0.06	0.118	O	|	|	|	0.17
83.250	0.00	0.06	0.118	O	|	|	|	0.17
83.333	0.00	0.06	0.117	O	|	|	|	0.16
83.417	0.00	0.06	0.117	O	|	|	|	0.16
83.500	0.00	0.06	0.116	O	|	|	|	0.16
83.583	0.00	0.06	0.116	O	|	|	|	0.16
83.667	0.00	0.06	0.116	O	|	|	|	0.16
83.750	0.00	0.06	0.115	O	|	|	|	0.16
83.833	0.00	0.06	0.115	O	|	|	|	0.16
83.917	0.00	0.06	0.114	O	|	|	|	0.16
84.000	0.00	0.06	0.114	O	|	|	|	0.16
84.083	0.00	0.06	0.114	O	|	|	|	0.16
84.167	0.00	0.06	0.113	O	|	|	|	0.16

84.250	0.00	0.06	0.113	O	|	|	|	|	0.16
84.333	0.00	0.06	0.112	O	|	|	|	|	0.16
84.417	0.00	0.06	0.112	O	|	|	|	|	0.16
84.500	0.00	0.06	0.112	O	|	|	|	|	0.16
84.583	0.00	0.06	0.111	O	|	|	|	|	0.16
84.667	0.00	0.06	0.111	O	|	|	|	|	0.16
84.750	0.00	0.06	0.110	O	|	|	|	|	0.16
84.833	0.00	0.06	0.110	O	|	|	|	|	0.15
84.917	0.00	0.06	0.110	O	|	|	|	|	0.15
85.000	0.00	0.06	0.109	O	|	|	|	|	0.15
85.083	0.00	0.06	0.109	O	|	|	|	|	0.15
85.167	0.00	0.05	0.108	O	|	|	|	|	0.15
85.250	0.00	0.05	0.108	O	|	|	|	|	0.15
85.333	0.00	0.05	0.108	O	|	|	|	|	0.15
85.417	0.00	0.05	0.107	O	|	|	|	|	0.15
85.500	0.00	0.05	0.107	O	|	|	|	|	0.15
85.583	0.00	0.05	0.107	O	|	|	|	|	0.15
85.667	0.00	0.05	0.106	O	|	|	|	|	0.15
85.750	0.00	0.05	0.106	O	|	|	|	|	0.15
85.833	0.00	0.05	0.105	O	|	|	|	|	0.15
85.917	0.00	0.05	0.105	O	|	|	|	|	0.15
86.000	0.00	0.05	0.105	O	|	|	|	|	0.15
86.083	0.00	0.05	0.104	O	|	|	|	|	0.15
86.167	0.00	0.05	0.104	O	|	|	|	|	0.15
86.250	0.00	0.05	0.104	O	|	|	|	|	0.15
86.333	0.00	0.05	0.103	O	|	|	|	|	0.15
86.417	0.00	0.05	0.103	O	|	|	|	|	0.14
86.500	0.00	0.05	0.103	O	|	|	|	|	0.14
86.583	0.00	0.05	0.102	O	|	|	|	|	0.14
86.667	0.00	0.05	0.102	O	|	|	|	|	0.14
86.750	0.00	0.05	0.102	O	|	|	|	|	0.14
86.833	0.00	0.05	0.101	O	|	|	|	|	0.14
86.917	0.00	0.05	0.101	O	|	|	|	|	0.14
87.000	0.00	0.05	0.100	O	|	|	|	|	0.14
87.083	0.00	0.05	0.100	O	|	|	|	|	0.14
87.167	0.00	0.05	0.100	O	|	|	|	|	0.14
87.250	0.00	0.05	0.099	O	|	|	|	|	0.14
87.333	0.00	0.05	0.099	O	|	|	|	|	0.14
87.417	0.00	0.05	0.099	O	|	|	|	|	0.14
87.500	0.00	0.05	0.098	O	|	|	|	|	0.14
87.583	0.00	0.05	0.098	O	|	|	|	|	0.14
87.667	0.00	0.05	0.098	O	|	|	|	|	0.14
87.750	0.00	0.05	0.097	O	|	|	|	|	0.14
87.833	0.00	0.05	0.097	O	|	|	|	|	0.14
87.917	0.00	0.05	0.097	O	|	|	|	|	0.14
88.000	0.00	0.05	0.096	O	|	|	|	|	0.14
88.083	0.00	0.05	0.096	O	|	|	|	|	0.14
88.167	0.00	0.05	0.096	O	|	|	|	|	0.13
88.250	0.00	0.05	0.095	O	|	|	|	|	0.13
88.333	0.00	0.05	0.095	O	|	|	|	|	0.13
88.417	0.00	0.05	0.095	O	|	|	|	|	0.13
88.500	0.00	0.05	0.094	O	|	|	|	|	0.13
88.583	0.00	0.05	0.094	O	|	|	|	|	0.13
88.667	0.00	0.05	0.094	O	|	|	|	|	0.13
88.750	0.00	0.05	0.093	O	|	|	|	|	0.13
88.833	0.00	0.05	0.093	O	|	|	|	|	0.13
88.917	0.00	0.05	0.093	O	|	|	|	|	0.13
89.000	0.00	0.05	0.092	O	|	|	|	|	0.13
89.083	0.00	0.05	0.092	O	|	|	|	|	0.13
89.167	0.00	0.05	0.092	O	|	|	|	|	0.13
89.250	0.00	0.05	0.091	O	|	|	|	|	0.13
89.333	0.00	0.05	0.091	O	|	|	|	|	0.13
89.417	0.00	0.05	0.091	O	|	|	|	|	0.13
89.500	0.00	0.05	0.090	O	|	|	|	|	0.13
89.583	0.00	0.05	0.090	O	|	|	|	|	0.13
89.667	0.00	0.05	0.090	O	|	|	|	|	0.13
89.750	0.00	0.05	0.090	O	|	|	|	|	0.13

89.833	0.00	0.05	0.089	O	|	|	|	0.13
89.917	0.00	0.05	0.089	O	|	|	|	0.13
90.000	0.00	0.04	0.089	O	|	|	|	0.12
90.083	0.00	0.04	0.088	O	|	|	|	0.12
90.167	0.00	0.04	0.088	O	|	|	|	0.12
90.250	0.00	0.04	0.088	O	|	|	|	0.12
90.333	0.00	0.04	0.087	O	|	|	|	0.12
90.417	0.00	0.04	0.087	O	|	|	|	0.12
90.500	0.00	0.04	0.087	O	|	|	|	0.12
90.583	0.00	0.04	0.086	O	|	|	|	0.12
90.667	0.00	0.04	0.086	O	|	|	|	0.12
90.750	0.00	0.04	0.086	O	|	|	|	0.12
90.833	0.00	0.04	0.086	O	|	|	|	0.12
90.917	0.00	0.04	0.085	O	|	|	|	0.12
91.000	0.00	0.04	0.085	O	|	|	|	0.12
91.083	0.00	0.04	0.085	O	|	|	|	0.12
91.167	0.00	0.04	0.084	O	|	|	|	0.12
91.250	0.00	0.04	0.084	O	|	|	|	0.12
91.333	0.00	0.04	0.084	O	|	|	|	0.12
91.417	0.00	0.04	0.083	O	|	|	|	0.12
91.500	0.00	0.04	0.083	O	|	|	|	0.12
91.583	0.00	0.04	0.083	O	|	|	|	0.12
91.667	0.00	0.04	0.083	O	|	|	|	0.12
91.750	0.00	0.04	0.082	O	|	|	|	0.12
91.833	0.00	0.04	0.082	O	|	|	|	0.12
91.917	0.00	0.04	0.082	O	|	|	|	0.12
92.000	0.00	0.04	0.081	O	|	|	|	0.11
92.083	0.00	0.04	0.081	O	|	|	|	0.11
92.167	0.00	0.04	0.081	O	|	|	|	0.11
92.250	0.00	0.04	0.081	O	|	|	|	0.11
92.333	0.00	0.04	0.080	O	|	|	|	0.11
92.417	0.00	0.04	0.080	O	|	|	|	0.11
92.500	0.00	0.04	0.080	O	|	|	|	0.11
92.583	0.00	0.04	0.079	O	|	|	|	0.11
92.667	0.00	0.04	0.079	O	|	|	|	0.11
92.750	0.00	0.04	0.079	O	|	|	|	0.11
92.833	0.00	0.04	0.079	O	|	|	|	0.11
92.917	0.00	0.04	0.078	O	|	|	|	0.11
93.000	0.00	0.04	0.078	O	|	|	|	0.11
93.083	0.00	0.04	0.078	O	|	|	|	0.11
93.167	0.00	0.04	0.078	O	|	|	|	0.11
93.250	0.00	0.04	0.077	O	|	|	|	0.11
93.333	0.00	0.04	0.077	O	|	|	|	0.11
93.417	0.00	0.04	0.077	O	|	|	|	0.11
93.500	0.00	0.04	0.076	O	|	|	|	0.11
93.583	0.00	0.04	0.076	O	|	|	|	0.11
93.667	0.00	0.04	0.076	O	|	|	|	0.11
93.750	0.00	0.04	0.076	O	|	|	|	0.11
93.833	0.00	0.04	0.075	O	|	|	|	0.11
93.917	0.00	0.04	0.075	O	|	|	|	0.11
94.000	0.00	0.04	0.075	O	|	|	|	0.11
94.083	0.00	0.04	0.075	O	|	|	|	0.11
94.167	0.00	0.04	0.074	O	|	|	|	0.10
94.250	0.00	0.04	0.074	O	|	|	|	0.10
94.333	0.00	0.04	0.074	O	|	|	|	0.10
94.417	0.00	0.04	0.074	O	|	|	|	0.10
94.500	0.00	0.04	0.073	O	|	|	|	0.10
94.583	0.00	0.04	0.073	O	|	|	|	0.10
94.667	0.00	0.04	0.073	O	|	|	|	0.10
94.750	0.00	0.04	0.073	O	|	|	|	0.10
94.833	0.00	0.04	0.072	O	|	|	|	0.10
94.917	0.00	0.04	0.072	O	|	|	|	0.10
95.000	0.00	0.04	0.072	O	|	|	|	0.10
95.083	0.00	0.04	0.072	O	|	|	|	0.10
95.167	0.00	0.04	0.071	O	|	|	|	0.10
95.250	0.00	0.04	0.071	O	|	|	|	0.10
95.333	0.00	0.04	0.071	O	|	|	|	0.10

95.417	0.00	0.04	0.071	O	|	|	|	0.10
95.500	0.00	0.04	0.070	O	|	|	|	0.10
95.583	0.00	0.04	0.070	O	|	|	|	0.10
95.667	0.00	0.04	0.070	O	|	|	|	0.10
95.750	0.00	0.04	0.070	O	|	|	|	0.10
95.833	0.00	0.04	0.069	O	|	|	|	0.10
95.917	0.00	0.04	0.069	O	|	|	|	0.10
96.000	0.00	0.03	0.069	O	|	|	|	0.10
96.083	0.00	0.03	0.069	O	|	|	|	0.10
96.167	0.00	0.03	0.068	O	|	|	|	0.10
96.250	0.00	0.03	0.068	O	|	|	|	0.10
96.333	0.00	0.03	0.068	O	|	|	|	0.10
96.417	0.00	0.03	0.068	O	|	|	|	0.10
96.500	0.00	0.03	0.067	O	|	|	|	0.10
96.583	0.00	0.03	0.067	O	|	|	|	0.09
96.667	0.00	0.03	0.067	O	|	|	|	0.09
96.750	0.00	0.03	0.067	O	|	|	|	0.09
96.833	0.00	0.03	0.067	O	|	|	|	0.09
96.917	0.00	0.03	0.066	O	|	|	|	0.09
97.000	0.00	0.03	0.066	O	|	|	|	0.09
97.083	0.00	0.03	0.066	O	|	|	|	0.09
97.167	0.00	0.03	0.066	O	|	|	|	0.09
97.250	0.00	0.03	0.065	O	|	|	|	0.09
97.333	0.00	0.03	0.065	O	|	|	|	0.09
97.417	0.00	0.03	0.065	O	|	|	|	0.09
97.500	0.00	0.03	0.065	O	|	|	|	0.09
97.583	0.00	0.03	0.064	O	|	|	|	0.09
97.667	0.00	0.03	0.064	O	|	|	|	0.09
97.750	0.00	0.03	0.064	O	|	|	|	0.09
97.833	0.00	0.03	0.064	O	|	|	|	0.09
97.917	0.00	0.03	0.064	O	|	|	|	0.09
98.000	0.00	0.03	0.063	O	|	|	|	0.09
98.083	0.00	0.03	0.063	O	|	|	|	0.09
98.167	0.00	0.03	0.063	O	|	|	|	0.09
98.250	0.00	0.03	0.063	O	|	|	|	0.09
98.333	0.00	0.03	0.062	O	|	|	|	0.09
98.417	0.00	0.03	0.062	O	|	|	|	0.09
98.500	0.00	0.03	0.062	O	|	|	|	0.09
98.583	0.00	0.03	0.062	O	|	|	|	0.09
98.667	0.00	0.03	0.062	O	|	|	|	0.09
98.750	0.00	0.03	0.061	O	|	|	|	0.09
98.833	0.00	0.03	0.061	O	|	|	|	0.09
98.917	0.00	0.03	0.061	O	|	|	|	0.09
99.000	0.00	0.03	0.061	O	|	|	|	0.09
99.083	0.00	0.03	0.061	O	|	|	|	0.09
99.167	0.00	0.03	0.060	O	|	|	|	0.08
99.250	0.00	0.03	0.060	O	|	|	|	0.08
99.333	0.00	0.03	0.060	O	|	|	|	0.08
99.417	0.00	0.03	0.060	O	|	|	|	0.08
99.500	0.00	0.03	0.059	O	|	|	|	0.08
99.583	0.00	0.03	0.059	O	|	|	|	0.08
99.667	0.00	0.03	0.059	O	|	|	|	0.08
99.750	0.00	0.03	0.059	O	|	|	|	0.08
99.833	0.00	0.03	0.059	O	|	|	|	0.08
99.917	0.00	0.03	0.058	O	|	|	|	0.08
100.000	0.00	0.03	0.058	O	|	|	|	0.08
100.083	0.00	0.03	0.058	O	|	|	|	0.08
100.167	0.00	0.03	0.058	O	|	|	|	0.08
100.250	0.00	0.03	0.058	O	|	|	|	0.08
100.333	0.00	0.03	0.057	O	|	|	|	0.08
100.417	0.00	0.03	0.057	O	|	|	|	0.08
100.500	0.00	0.03	0.057	O	|	|	|	0.08
100.583	0.00	0.03	0.057	O	|	|	|	0.08
100.667	0.00	0.03	0.057	O	|	|	|	0.08
100.750	0.00	0.03	0.056	O	|	|	|	0.08
100.833	0.00	0.03	0.056	O	|	|	|	0.08
100.917	0.00	0.03	0.056	O	|	|	|	0.08

101.000	0.00	0.03	0.056	O	|	|	|	|	0.08
101.083	0.00	0.03	0.056	O	|	|	|	|	0.08
101.167	0.00	0.03	0.055	O	|	|	|	|	0.08
101.250	0.00	0.03	0.055	O	|	|	|	|	0.08
101.333	0.00	0.03	0.055	O	|	|	|	|	0.08
101.417	0.00	0.03	0.055	O	|	|	|	|	0.08
101.500	0.00	0.03	0.055	O	|	|	|	|	0.08
101.583	0.00	0.03	0.055	O	|	|	|	|	0.08
101.667	0.00	0.03	0.054	O	|	|	|	|	0.08
101.750	0.00	0.03	0.054	O	|	|	|	|	0.08
101.833	0.00	0.03	0.054	O	|	|	|	|	0.08
101.917	0.00	0.03	0.054	O	|	|	|	|	0.08
102.000	0.00	0.03	0.054	O	|	|	|	|	0.08
102.083	0.00	0.03	0.053	O	|	|	|	|	0.08
102.167	0.00	0.03	0.053	O	|	|	|	|	0.07
102.250	0.00	0.03	0.053	O	|	|	|	|	0.07
102.333	0.00	0.03	0.053	O	|	|	|	|	0.07
102.417	0.00	0.03	0.053	O	|	|	|	|	0.07
102.500	0.00	0.03	0.052	O	|	|	|	|	0.07
102.583	0.00	0.03	0.052	O	|	|	|	|	0.07
102.667	0.00	0.03	0.052	O	|	|	|	|	0.07
102.750	0.00	0.03	0.052	O	|	|	|	|	0.07
102.833	0.00	0.03	0.052	O	|	|	|	|	0.07
102.917	0.00	0.03	0.052	O	|	|	|	|	0.07
103.000	0.00	0.03	0.051	O	|	|	|	|	0.07
103.083	0.00	0.03	0.051	O	|	|	|	|	0.07
103.167	0.00	0.03	0.051	O	|	|	|	|	0.07
103.250	0.00	0.03	0.051	O	|	|	|	|	0.07
103.333	0.00	0.03	0.051	O	|	|	|	|	0.07
103.417	0.00	0.03	0.050	O	|	|	|	|	0.07
103.500	0.00	0.03	0.050	O	|	|	|	|	0.07
103.583	0.00	0.03	0.050	O	|	|	|	|	0.07
103.667	0.00	0.03	0.050	O	|	|	|	|	0.07
103.750	0.00	0.03	0.050	O	|	|	|	|	0.07
103.833	0.00	0.03	0.050	O	|	|	|	|	0.07
103.917	0.00	0.03	0.049	O	|	|	|	|	0.07
104.000	0.00	0.02	0.049	O	|	|	|	|	0.07
104.083	0.00	0.02	0.049	O	|	|	|	|	0.07
104.167	0.00	0.02	0.049	O	|	|	|	|	0.07
104.250	0.00	0.02	0.049	O	|	|	|	|	0.07
104.333	0.00	0.02	0.049	O	|	|	|	|	0.07
104.417	0.00	0.02	0.048	O	|	|	|	|	0.07
104.500	0.00	0.02	0.048	O	|	|	|	|	0.07
104.583	0.00	0.02	0.048	O	|	|	|	|	0.07
104.667	0.00	0.02	0.048	O	|	|	|	|	0.07
104.750	0.00	0.02	0.048	O	|	|	|	|	0.07
104.833	0.00	0.02	0.048	O	|	|	|	|	0.07
104.917	0.00	0.02	0.047	O	|	|	|	|	0.07
105.000	0.00	0.02	0.047	O	|	|	|	|	0.07
105.083	0.00	0.02	0.047	O	|	|	|	|	0.07
105.167	0.00	0.02	0.047	O	|	|	|	|	0.07
105.250	0.00	0.02	0.047	O	|	|	|	|	0.07
105.333	0.00	0.02	0.047	O	|	|	|	|	0.07
105.417	0.00	0.02	0.046	O	|	|	|	|	0.07
105.500	0.00	0.02	0.046	O	|	|	|	|	0.07
105.583	0.00	0.02	0.046	O	|	|	|	|	0.06
105.667	0.00	0.02	0.046	O	|	|	|	|	0.06
105.750	0.00	0.02	0.046	O	|	|	|	|	0.06
105.833	0.00	0.02	0.046	O	|	|	|	|	0.06
105.917	0.00	0.02	0.045	O	|	|	|	|	0.06
106.000	0.00	0.02	0.045	O	|	|	|	|	0.06
106.083	0.00	0.02	0.045	O	|	|	|	|	0.06
106.167	0.00	0.02	0.045	O	|	|	|	|	0.06
106.250	0.00	0.02	0.045	O	|	|	|	|	0.06
106.333	0.00	0.02	0.045	O	|	|	|	|	0.06
106.417	0.00	0.02	0.045	O	|	|	|	|	0.06
106.500	0.00	0.02	0.044	O	|	|	|	|	0.06

106.583	0.00	0.02	0.044	O	|	|	|	0.06
106.667	0.00	0.02	0.044	O	|	|	|	0.06
106.750	0.00	0.02	0.044	O	|	|	|	0.06
106.833	0.00	0.02	0.044	O	|	|	|	0.06
106.917	0.00	0.02	0.044	O	|	|	|	0.06
107.000	0.00	0.02	0.043	O	|	|	|	0.06
107.083	0.00	0.02	0.043	O	|	|	|	0.06
107.167	0.00	0.02	0.043	O	|	|	|	0.06
107.250	0.00	0.02	0.043	O	|	|	|	0.06
107.333	0.00	0.02	0.043	O	|	|	|	0.06
107.417	0.00	0.02	0.043	O	|	|	|	0.06
107.500	0.00	0.02	0.043	O	|	|	|	0.06
107.583	0.00	0.02	0.042	O	|	|	|	0.06
107.667	0.00	0.02	0.042	O	|	|	|	0.06
107.750	0.00	0.02	0.042	O	|	|	|	0.06
107.833	0.00	0.02	0.042	O	|	|	|	0.06
107.917	0.00	0.02	0.042	O	|	|	|	0.06
108.000	0.00	0.02	0.042	O	|	|	|	0.06
108.083	0.00	0.02	0.042	O	|	|	|	0.06
108.167	0.00	0.02	0.041	O	|	|	|	0.06
108.250	0.00	0.02	0.041	O	|	|	|	0.06
108.333	0.00	0.02	0.041	O	|	|	|	0.06
108.417	0.00	0.02	0.041	O	|	|	|	0.06
108.500	0.00	0.02	0.041	O	|	|	|	0.06
108.583	0.00	0.02	0.041	O	|	|	|	0.06
108.667	0.00	0.02	0.041	O	|	|	|	0.06
108.750	0.00	0.02	0.040	O	|	|	|	0.06
108.833	0.00	0.02	0.040	O	|	|	|	0.06
108.917	0.00	0.02	0.040	O	|	|	|	0.06
109.000	0.00	0.02	0.040	O	|	|	|	0.06
109.083	0.00	0.02	0.040	O	|	|	|	0.06
109.167	0.00	0.02	0.040	O	|	|	|	0.06
109.250	0.00	0.02	0.040	O	|	|	|	0.06
109.333	0.00	0.02	0.039	O	|	|	|	0.06
109.417	0.00	0.02	0.039	O	|	|	|	0.06
109.500	0.00	0.02	0.039	O	|	|	|	0.06
109.583	0.00	0.02	0.039	O	|	|	|	0.05
109.667	0.00	0.02	0.039	O	|	|	|	0.05
109.750	0.00	0.02	0.039	O	|	|	|	0.05
109.833	0.00	0.02	0.039	O	|	|	|	0.05
109.917	0.00	0.02	0.038	O	|	|	|	0.05
110.000	0.00	0.02	0.038	O	|	|	|	0.05
110.083	0.00	0.02	0.038	O	|	|	|	0.05
110.167	0.00	0.02	0.038	O	|	|	|	0.05
110.250	0.00	0.02	0.038	O	|	|	|	0.05
110.333	0.00	0.02	0.038	O	|	|	|	0.05
110.417	0.00	0.02	0.038	O	|	|	|	0.05
110.500	0.00	0.02	0.038	O	|	|	|	0.05
110.583	0.00	0.02	0.037	O	|	|	|	0.05
110.667	0.00	0.02	0.037	O	|	|	|	0.05
110.750	0.00	0.02	0.037	O	|	|	|	0.05
110.833	0.00	0.02	0.037	O	|	|	|	0.05
110.917	0.00	0.02	0.037	O	|	|	|	0.05
111.000	0.00	0.02	0.037	O	|	|	|	0.05
111.083	0.00	0.02	0.037	O	|	|	|	0.05
111.167	0.00	0.02	0.036	O	|	|	|	0.05
111.250	0.00	0.02	0.036	O	|	|	|	0.05
111.333	0.00	0.02	0.036	O	|	|	|	0.05
111.417	0.00	0.02	0.036	O	|	|	|	0.05
111.500	0.00	0.02	0.036	O	|	|	|	0.05
111.583	0.00	0.02	0.036	O	|	|	|	0.05
111.667	0.00	0.02	0.036	O	|	|	|	0.05
111.750	0.00	0.02	0.036	O	|	|	|	0.05
111.833	0.00	0.02	0.035	O	|	|	|	0.05
111.917	0.00	0.02	0.035	O	|	|	|	0.05
112.000	0.00	0.02	0.035	O	|	|	|	0.05
112.083	0.00	0.02	0.035	O	|	|	|	0.05

112.167	0.00	0.02	0.035	O	|	|	|	|	0.05
112.250	0.00	0.02	0.035	O	|	|	|	|	0.05
112.333	0.00	0.02	0.035	O	|	|	|	|	0.05
112.417	0.00	0.02	0.035	O	|	|	|	|	0.05
112.500	0.00	0.02	0.035	O	|	|	|	|	0.05
112.583	0.00	0.02	0.034	O	|	|	|	|	0.05
112.667	0.00	0.02	0.034	O	|	|	|	|	0.05
112.750	0.00	0.02	0.034	O	|	|	|	|	0.05
112.833	0.00	0.02	0.034	O	|	|	|	|	0.05
112.917	0.00	0.02	0.034	O	|	|	|	|	0.05
113.000	0.00	0.02	0.034	O	|	|	|	|	0.05
113.083	0.00	0.02	0.034	O	|	|	|	|	0.05
113.167	0.00	0.02	0.034	O	|	|	|	|	0.05
113.250	0.00	0.02	0.033	O	|	|	|	|	0.05
113.333	0.00	0.02	0.033	O	|	|	|	|	0.05
113.417	0.00	0.02	0.033	O	|	|	|	|	0.05
113.500	0.00	0.02	0.033	O	|	|	|	|	0.05
113.583	0.00	0.02	0.033	O	|	|	|	|	0.05
113.667	0.00	0.02	0.033	O	|	|	|	|	0.05
113.750	0.00	0.02	0.033	O	|	|	|	|	0.05
113.833	0.00	0.02	0.033	O	|	|	|	|	0.05
113.917	0.00	0.02	0.033	O	|	|	|	|	0.05
114.000	0.00	0.02	0.032	O	|	|	|	|	0.05
114.083	0.00	0.02	0.032	O	|	|	|	|	0.05
114.167	0.00	0.02	0.032	O	|	|	|	|	0.05
114.250	0.00	0.02	0.032	O	|	|	|	|	0.05
114.333	0.00	0.02	0.032	O	|	|	|	|	0.05
114.417	0.00	0.02	0.032	O	|	|	|	|	0.04
114.500	0.00	0.02	0.032	O	|	|	|	|	0.04
114.583	0.00	0.02	0.032	O	|	|	|	|	0.04
114.667	0.00	0.02	0.032	O	|	|	|	|	0.04
114.750	0.00	0.02	0.031	O	|	|	|	|	0.04
114.833	0.00	0.02	0.031	O	|	|	|	|	0.04
114.917	0.00	0.02	0.031	O	|	|	|	|	0.04
115.000	0.00	0.02	0.031	O	|	|	|	|	0.04
115.083	0.00	0.02	0.031	O	|	|	|	|	0.04
115.167	0.00	0.02	0.031	O	|	|	|	|	0.04
115.250	0.00	0.02	0.031	O	|	|	|	|	0.04
115.333	0.00	0.02	0.031	O	|	|	|	|	0.04
115.417	0.00	0.02	0.031	O	|	|	|	|	0.04
115.500	0.00	0.02	0.030	O	|	|	|	|	0.04
115.583	0.00	0.02	0.030	O	|	|	|	|	0.04
115.667	0.00	0.02	0.030	O	|	|	|	|	0.04
115.750	0.00	0.02	0.030	O	|	|	|	|	0.04
115.833	0.00	0.02	0.030	O	|	|	|	|	0.04
115.917	0.00	0.02	0.030	O	|	|	|	|	0.04
116.000	0.00	0.02	0.030	O	|	|	|	|	0.04
116.083	0.00	0.02	0.030	O	|	|	|	|	0.04
116.167	0.00	0.02	0.030	O	|	|	|	|	0.04
116.250	0.00	0.01	0.029	O	|	|	|	|	0.04
116.333	0.00	0.01	0.029	O	|	|	|	|	0.04
116.417	0.00	0.01	0.029	O	|	|	|	|	0.04
116.500	0.00	0.01	0.029	O	|	|	|	|	0.04
116.583	0.00	0.01	0.029	O	|	|	|	|	0.04
116.667	0.00	0.01	0.029	O	|	|	|	|	0.04
116.750	0.00	0.01	0.029	O	|	|	|	|	0.04
116.833	0.00	0.01	0.029	O	|	|	|	|	0.04
116.917	0.00	0.01	0.029	O	|	|	|	|	0.04
117.000	0.00	0.01	0.029	O	|	|	|	|	0.04
117.083	0.00	0.01	0.028	O	|	|	|	|	0.04
117.167	0.00	0.01	0.028	O	|	|	|	|	0.04
117.250	0.00	0.01	0.028	O	|	|	|	|	0.04
117.333	0.00	0.01	0.028	O	|	|	|	|	0.04
117.417	0.00	0.01	0.028	O	|	|	|	|	0.04
117.500	0.00	0.01	0.028	O	|	|	|	|	0.04
117.583	0.00	0.01	0.028	O	|	|	|	|	0.04
117.667	0.00	0.01	0.028	O	|	|	|	|	0.04

117.750	0.00	0.01	0.028	O	|	|	|	|	0.04
117.833	0.00	0.01	0.028	O	|	|	|	|	0.04
117.917	0.00	0.01	0.027	O	|	|	|	|	0.04
118.000	0.00	0.01	0.027	O	|	|	|	|	0.04
118.083	0.00	0.01	0.027	O	|	|	|	|	0.04
118.167	0.00	0.01	0.027	O	|	|	|	|	0.04
118.250	0.00	0.01	0.027	O	|	|	|	|	0.04
118.333	0.00	0.01	0.027	O	|	|	|	|	0.04
118.417	0.00	0.01	0.027	O	|	|	|	|	0.04
118.500	0.00	0.01	0.027	O	|	|	|	|	0.04
118.583	0.00	0.01	0.027	O	|	|	|	|	0.04
118.667	0.00	0.01	0.027	O	|	|	|	|	0.04
118.750	0.00	0.01	0.027	O	|	|	|	|	0.04
118.833	0.00	0.01	0.026	O	|	|	|	|	0.04
118.917	0.00	0.01	0.026	O	|	|	|	|	0.04
119.000	0.00	0.01	0.026	O	|	|	|	|	0.04
119.083	0.00	0.01	0.026	O	|	|	|	|	0.04
119.167	0.00	0.01	0.026	O	|	|	|	|	0.04
119.250	0.00	0.01	0.026	O	|	|	|	|	0.04
119.333	0.00	0.01	0.026	O	|	|	|	|	0.04
119.417	0.00	0.01	0.026	O	|	|	|	|	0.04
119.500	0.00	0.01	0.026	O	|	|	|	|	0.04
119.583	0.00	0.01	0.026	O	|	|	|	|	0.04
119.667	0.00	0.01	0.026	O	|	|	|	|	0.04
119.750	0.00	0.01	0.025	O	|	|	|	|	0.04
119.833	0.00	0.01	0.025	O	|	|	|	|	0.04
119.917	0.00	0.01	0.025	O	|	|	|	|	0.04
120.000	0.00	0.01	0.025	O	|	|	|	|	0.04
120.083	0.00	0.01	0.025	O	|	|	|	|	0.04
120.167	0.00	0.01	0.025	O	|	|	|	|	0.04
120.250	0.00	0.01	0.025	O	|	|	|	|	0.04
120.333	0.00	0.01	0.025	O	|	|	|	|	0.03
120.417	0.00	0.01	0.025	O	|	|	|	|	0.03
120.500	0.00	0.01	0.025	O	|	|	|	|	0.03
120.583	0.00	0.01	0.025	O	|	|	|	|	0.03
120.667	0.00	0.01	0.025	O	|	|	|	|	0.03
120.750	0.00	0.01	0.024	O	|	|	|	|	0.03
120.833	0.00	0.01	0.024	O	|	|	|	|	0.03
120.917	0.00	0.01	0.024	O	|	|	|	|	0.03
121.000	0.00	0.01	0.024	O	|	|	|	|	0.03
121.083	0.00	0.01	0.024	O	|	|	|	|	0.03
121.167	0.00	0.01	0.024	O	|	|	|	|	0.03
121.250	0.00	0.01	0.024	O	|	|	|	|	0.03
121.333	0.00	0.01	0.024	O	|	|	|	|	0.03
121.417	0.00	0.01	0.024	O	|	|	|	|	0.03
121.500	0.00	0.01	0.024	O	|	|	|	|	0.03
121.583	0.00	0.01	0.024	O	|	|	|	|	0.03
121.667	0.00	0.01	0.023	O	|	|	|	|	0.03
121.750	0.00	0.01	0.023	O	|	|	|	|	0.03
121.833	0.00	0.01	0.023	O	|	|	|	|	0.03
121.917	0.00	0.01	0.023	O	|	|	|	|	0.03
122.000	0.00	0.01	0.023	O	|	|	|	|	0.03
122.083	0.00	0.01	0.023	O	|	|	|	|	0.03
122.167	0.00	0.01	0.023	O	|	|	|	|	0.03
122.250	0.00	0.01	0.023	O	|	|	|	|	0.03
122.333	0.00	0.01	0.023	O	|	|	|	|	0.03
122.417	0.00	0.01	0.023	O	|	|	|	|	0.03
122.500	0.00	0.01	0.023	O	|	|	|	|	0.03
122.583	0.00	0.01	0.023	O	|	|	|	|	0.03
122.667	0.00	0.01	0.023	O	|	|	|	|	0.03
122.750	0.00	0.01	0.022	O	|	|	|	|	0.03
122.833	0.00	0.01	0.022	O	|	|	|	|	0.03
122.917	0.00	0.01	0.022	O	|	|	|	|	0.03
123.000	0.00	0.01	0.022	O	|	|	|	|	0.03
123.083	0.00	0.01	0.022	O	|	|	|	|	0.03
123.167	0.00	0.01	0.022	O	|	|	|	|	0.03
123.250	0.00	0.01	0.022	O	|	|	|	|	0.03

123.333	0.00	0.01	0.022	O	|	|	|	0.03
123.417	0.00	0.01	0.022	O	|	|	|	0.03
123.500	0.00	0.01	0.022	O	|	|	|	0.03
123.583	0.00	0.01	0.022	O	|	|	|	0.03
123.667	0.00	0.01	0.022	O	|	|	|	0.03
123.750	0.00	0.01	0.022	O	|	|	|	0.03
123.833	0.00	0.01	0.021	O	|	|	|	0.03
123.917	0.00	0.01	0.021	O	|	|	|	0.03
124.000	0.00	0.01	0.021	O	|	|	|	0.03
124.083	0.00	0.01	0.021	O	|	|	|	0.03
124.167	0.00	0.01	0.021	O	|	|	|	0.03
124.250	0.00	0.01	0.021	O	|	|	|	0.03
124.333	0.00	0.01	0.021	O	|	|	|	0.03
124.417	0.00	0.01	0.021	O	|	|	|	0.03
124.500	0.00	0.01	0.021	O	|	|	|	0.03
124.583	0.00	0.01	0.021	O	|	|	|	0.03
124.667	0.00	0.01	0.021	O	|	|	|	0.03
124.750	0.00	0.01	0.021	O	|	|	|	0.03
124.833	0.00	0.01	0.021	O	|	|	|	0.03
124.917	0.00	0.01	0.021	O	|	|	|	0.03
125.000	0.00	0.01	0.020	O	|	|	|	0.03
125.083	0.00	0.01	0.020	O	|	|	|	0.03
125.167	0.00	0.01	0.020	O	|	|	|	0.03
125.250	0.00	0.01	0.020	O	|	|	|	0.03
125.333	0.00	0.01	0.020	O	|	|	|	0.03
125.417	0.00	0.01	0.020	O	|	|	|	0.03
125.500	0.00	0.01	0.020	O	|	|	|	0.03
125.583	0.00	0.01	0.020	O	|	|	|	0.03
125.667	0.00	0.01	0.020	O	|	|	|	0.03
125.750	0.00	0.01	0.020	O	|	|	|	0.03
125.833	0.00	0.01	0.020	O	|	|	|	0.03
125.917	0.00	0.01	0.020	O	|	|	|	0.03
126.000	0.00	0.01	0.020	O	|	|	|	0.03
126.083	0.00	0.01	0.020	O	|	|	|	0.03
126.167	0.00	0.01	0.019	O	|	|	|	0.03
126.250	0.00	0.01	0.019	O	|	|	|	0.03
126.333	0.00	0.01	0.019	O	|	|	|	0.03
126.417	0.00	0.01	0.019	O	|	|	|	0.03
126.500	0.00	0.01	0.019	O	|	|	|	0.03
126.583	0.00	0.01	0.019	O	|	|	|	0.03
126.667	0.00	0.01	0.019	O	|	|	|	0.03
126.750	0.00	0.01	0.019	O	|	|	|	0.03
126.833	0.00	0.01	0.019	O	|	|	|	0.03
126.917	0.00	0.01	0.019	O	|	|	|	0.03
127.000	0.00	0.01	0.019	O	|	|	|	0.03
127.083	0.00	0.01	0.019	O	|	|	|	0.03
127.167	0.00	0.01	0.019	O	|	|	|	0.03
127.250	0.00	0.01	0.019	O	|	|	|	0.03
127.333	0.00	0.01	0.019	O	|	|	|	0.03
127.417	0.00	0.01	0.018	O	|	|	|	0.03
127.500	0.00	0.01	0.018	O	|	|	|	0.03
127.583	0.00	0.01	0.018	O	|	|	|	0.03
127.667	0.00	0.01	0.018	O	|	|	|	0.03
127.750	0.00	0.01	0.018	O	|	|	|	0.03
127.833	0.00	0.01	0.018	O	|	|	|	0.03
127.917	0.00	0.01	0.018	O	|	|	|	0.03
128.000	0.00	0.01	0.018	O	|	|	|	0.03
128.083	0.00	0.01	0.018	O	|	|	|	0.03
128.167	0.00	0.01	0.018	O	|	|	|	0.03
128.250	0.00	0.01	0.018	O	|	|	|	0.03
128.333	0.00	0.01	0.018	O	|	|	|	0.03
128.417	0.00	0.01	0.018	O	|	|	|	0.02
128.500	0.00	0.01	0.018	O	|	|	|	0.02
128.583	0.00	0.01	0.018	O	|	|	|	0.02
128.667	0.00	0.01	0.018	O	|	|	|	0.02
128.750	0.00	0.01	0.017	O	|	|	|	0.02
128.833	0.00	0.01	0.017	O	|	|	|	0.02

128.917	0.00	0.01	0.017	O	|	|	|	|	0.02
129.000	0.00	0.01	0.017	O	|	|	|	|	0.02
129.083	0.00	0.01	0.017	O	|	|	|	|	0.02
129.167	0.00	0.01	0.017	O	|	|	|	|	0.02
129.250	0.00	0.01	0.017	O	|	|	|	|	0.02
129.333	0.00	0.01	0.017	O	|	|	|	|	0.02
129.417	0.00	0.01	0.017	O	|	|	|	|	0.02
129.500	0.00	0.01	0.017	O	|	|	|	|	0.02
129.583	0.00	0.01	0.017	O	|	|	|	|	0.02
129.667	0.00	0.01	0.017	O	|	|	|	|	0.02
129.750	0.00	0.01	0.017	O	|	|	|	|	0.02
129.833	0.00	0.01	0.017	O	|	|	|	|	0.02
129.917	0.00	0.01	0.017	O	|	|	|	|	0.02
130.000	0.00	0.01	0.017	O	|	|	|	|	0.02
130.083	0.00	0.01	0.017	O	|	|	|	|	0.02
130.167	0.00	0.01	0.016	O	|	|	|	|	0.02
130.250	0.00	0.01	0.016	O	|	|	|	|	0.02
130.333	0.00	0.01	0.016	O	|	|	|	|	0.02
130.417	0.00	0.01	0.016	O	|	|	|	|	0.02
130.500	0.00	0.01	0.016	O	|	|	|	|	0.02
130.583	0.00	0.01	0.016	O	|	|	|	|	0.02
130.667	0.00	0.01	0.016	O	|	|	|	|	0.02
130.750	0.00	0.01	0.016	O	|	|	|	|	0.02
130.833	0.00	0.01	0.016	O	|	|	|	|	0.02
130.917	0.00	0.01	0.016	O	|	|	|	|	0.02
131.000	0.00	0.01	0.016	O	|	|	|	|	0.02
131.083	0.00	0.01	0.016	O	|	|	|	|	0.02
131.167	0.00	0.01	0.016	O	|	|	|	|	0.02
131.250	0.00	0.01	0.016	O	|	|	|	|	0.02
131.333	0.00	0.01	0.016	O	|	|	|	|	0.02
131.417	0.00	0.01	0.016	O	|	|	|	|	0.02
131.500	0.00	0.01	0.016	O	|	|	|	|	0.02
131.583	0.00	0.01	0.016	O	|	|	|	|	0.02
131.667	0.00	0.01	0.015	O	|	|	|	|	0.02
131.750	0.00	0.01	0.015	O	|	|	|	|	0.02
131.833	0.00	0.01	0.015	O	|	|	|	|	0.02
131.917	0.00	0.01	0.015	O	|	|	|	|	0.02
132.000	0.00	0.01	0.015	O	|	|	|	|	0.02
132.083	0.00	0.01	0.015	O	|	|	|	|	0.02
132.167	0.00	0.01	0.015	O	|	|	|	|	0.02
132.250	0.00	0.01	0.015	O	|	|	|	|	0.02
132.333	0.00	0.01	0.015	O	|	|	|	|	0.02
132.417	0.00	0.01	0.015	O	|	|	|	|	0.02
132.500	0.00	0.01	0.015	O	|	|	|	|	0.02
132.583	0.00	0.01	0.015	O	|	|	|	|	0.02
132.667	0.00	0.01	0.015	O	|	|	|	|	0.02
132.750	0.00	0.01	0.015	O	|	|	|	|	0.02
132.833	0.00	0.01	0.015	O	|	|	|	|	0.02
132.917	0.00	0.01	0.015	O	|	|	|	|	0.02
133.000	0.00	0.01	0.015	O	|	|	|	|	0.02
133.083	0.00	0.01	0.015	O	|	|	|	|	0.02
133.167	0.00	0.01	0.015	O	|	|	|	|	0.02
133.250	0.00	0.01	0.014	O	|	|	|	|	0.02
133.333	0.00	0.01	0.014	O	|	|	|	|	0.02
133.417	0.00	0.01	0.014	O	|	|	|	|	0.02
133.500	0.00	0.01	0.014	O	|	|	|	|	0.02
133.583	0.00	0.01	0.014	O	|	|	|	|	0.02
133.667	0.00	0.01	0.014	O	|	|	|	|	0.02
133.750	0.00	0.01	0.014	O	|	|	|	|	0.02
133.833	0.00	0.01	0.014	O	|	|	|	|	0.02
133.917	0.00	0.01	0.014	O	|	|	|	|	0.02
134.000	0.00	0.01	0.014	O	|	|	|	|	0.02
134.083	0.00	0.01	0.014	O	|	|	|	|	0.02
134.167	0.00	0.01	0.014	O	|	|	|	|	0.02
134.250	0.00	0.01	0.014	O	|	|	|	|	0.02
134.333	0.00	0.01	0.014	O	|	|	|	|	0.02
134.417	0.00	0.01	0.014	O	|	|	|	|	0.02

134.500	0.00	0.01	0.014	O	|	|	|	|	0.02
134.583	0.00	0.01	0.014	O	|	|	|	|	0.02
134.667	0.00	0.01	0.014	O	|	|	|	|	0.02
134.750	0.00	0.01	0.014	O	|	|	|	|	0.02
134.833	0.00	0.01	0.014	O	|	|	|	|	0.02
134.917	0.00	0.01	0.013	O	|	|	|	|	0.02
135.000	0.00	0.01	0.013	O	|	|	|	|	0.02
135.083	0.00	0.01	0.013	O	|	|	|	|	0.02
135.167	0.00	0.01	0.013	O	|	|	|	|	0.02
135.250	0.00	0.01	0.013	O	|	|	|	|	0.02
135.333	0.00	0.01	0.013	O	|	|	|	|	0.02
135.417	0.00	0.01	0.013	O	|	|	|	|	0.02
135.500	0.00	0.01	0.013	O	|	|	|	|	0.02
135.583	0.00	0.01	0.013	O	|	|	|	|	0.02
135.667	0.00	0.01	0.013	O	|	|	|	|	0.02
135.750	0.00	0.01	0.013	O	|	|	|	|	0.02
135.833	0.00	0.01	0.013	O	|	|	|	|	0.02
135.917	0.00	0.01	0.013	O	|	|	|	|	0.02
136.000	0.00	0.01	0.013	O	|	|	|	|	0.02
136.083	0.00	0.01	0.013	O	|	|	|	|	0.02
136.167	0.00	0.01	0.013	O	|	|	|	|	0.02
136.250	0.00	0.01	0.013	O	|	|	|	|	0.02
136.333	0.00	0.01	0.013	O	|	|	|	|	0.02
136.417	0.00	0.01	0.013	O	|	|	|	|	0.02
136.500	0.00	0.01	0.013	O	|	|	|	|	0.02
136.583	0.00	0.01	0.013	O	|	|	|	|	0.02
136.667	0.00	0.01	0.013	O	|	|	|	|	0.02
136.750	0.00	0.01	0.012	O	|	|	|	|	0.02
136.833	0.00	0.01	0.012	O	|	|	|	|	0.02
136.917	0.00	0.01	0.012	O	|	|	|	|	0.02
137.000	0.00	0.01	0.012	O	|	|	|	|	0.02
137.083	0.00	0.01	0.012	O	|	|	|	|	0.02
137.167	0.00	0.01	0.012	O	|	|	|	|	0.02
137.250	0.00	0.01	0.012	O	|	|	|	|	0.02
137.333	0.00	0.01	0.012	O	|	|	|	|	0.02
137.417	0.00	0.01	0.012	O	|	|	|	|	0.02
137.500	0.00	0.01	0.012	O	|	|	|	|	0.02
137.583	0.00	0.01	0.012	O	|	|	|	|	0.02
137.667	0.00	0.01	0.012	O	|	|	|	|	0.02
137.750	0.00	0.01	0.012	O	|	|	|	|	0.02
137.833	0.00	0.01	0.012	O	|	|	|	|	0.02
137.917	0.00	0.01	0.012	O	|	|	|	|	0.02
138.000	0.00	0.01	0.012	O	|	|	|	|	0.02
138.083	0.00	0.01	0.012	O	|	|	|	|	0.02
138.167	0.00	0.01	0.012	O	|	|	|	|	0.02
138.250	0.00	0.01	0.012	O	|	|	|	|	0.02
138.333	0.00	0.01	0.012	O	|	|	|	|	0.02
138.417	0.00	0.01	0.012	O	|	|	|	|	0.02
138.500	0.00	0.01	0.012	O	|	|	|	|	0.02
138.583	0.00	0.01	0.012	O	|	|	|	|	0.02
138.667	0.00	0.01	0.012	O	|	|	|	|	0.02
138.750	0.00	0.01	0.011	O	|	|	|	|	0.02
138.833	0.00	0.01	0.011	O	|	|	|	|	0.02
138.917	0.00	0.01	0.011	O	|	|	|	|	0.02
139.000	0.00	0.01	0.011	O	|	|	|	|	0.02
139.083	0.00	0.01	0.011	O	|	|	|	|	0.02
139.167	0.00	0.01	0.011	O	|	|	|	|	0.02
139.250	0.00	0.01	0.011	O	|	|	|	|	0.02
139.333	0.00	0.01	0.011	O	|	|	|	|	0.02
139.417	0.00	0.01	0.011	O	|	|	|	|	0.02
139.500	0.00	0.01	0.011	O	|	|	|	|	0.02
139.583	0.00	0.01	0.011	O	|	|	|	|	0.02
139.667	0.00	0.01	0.011	O	|	|	|	|	0.02
139.750	0.00	0.01	0.011	O	|	|	|	|	0.02
139.833	0.00	0.01	0.011	O	|	|	|	|	0.02
139.917	0.00	0.01	0.011	O	|	|	|	|	0.02
140.000	0.00	0.01	0.011	O	|	|	|	|	0.02

140.083	0.00	0.01	0.011	O	|	|	|	|	0.02
140.167	0.00	0.01	0.011	O	|	|	|	|	0.02
140.250	0.00	0.01	0.011	O	|	|	|	|	0.02
140.333	0.00	0.01	0.011	O	|	|	|	|	0.02
140.417	0.00	0.01	0.011	O	|	|	|	|	0.02
140.500	0.00	0.01	0.011	O	|	|	|	|	0.02
140.583	0.00	0.01	0.011	O	|	|	|	|	0.01
140.667	0.00	0.01	0.011	O	|	|	|	|	0.01
140.750	0.00	0.01	0.011	O	|	|	|	|	0.01
140.833	0.00	0.01	0.011	O	|	|	|	|	0.01
140.917	0.00	0.01	0.010	O	|	|	|	|	0.01
141.000	0.00	0.01	0.010	O	|	|	|	|	0.01
141.083	0.00	0.01	0.010	O	|	|	|	|	0.01
141.167	0.00	0.01	0.010	O	|	|	|	|	0.01
141.250	0.00	0.01	0.010	O	|	|	|	|	0.01
141.333	0.00	0.01	0.010	O	|	|	|	|	0.01
141.417	0.00	0.01	0.010	O	|	|	|	|	0.01
141.500	0.00	0.01	0.010	O	|	|	|	|	0.01
141.583	0.00	0.01	0.010	O	|	|	|	|	0.01
141.667	0.00	0.01	0.010	O	|	|	|	|	0.01
141.750	0.00	0.01	0.010	O	|	|	|	|	0.01
141.833	0.00	0.01	0.010	O	|	|	|	|	0.01
141.917	0.00	0.01	0.010	O	|	|	|	|	0.01
142.000	0.00	0.01	0.010	O	|	|	|	|	0.01
142.083	0.00	0.01	0.010	O	|	|	|	|	0.01
142.167	0.00	0.01	0.010	O	|	|	|	|	0.01
142.250	0.00	0.01	0.010	O	|	|	|	|	0.01
142.333	0.00	0.01	0.010	O	|	|	|	|	0.01
142.417	0.00	0.00	0.010	O	|	|	|	|	0.01
142.500	0.00	0.00	0.010	O	|	|	|	|	0.01
142.583	0.00	0.00	0.010	O	|	|	|	|	0.01
142.667	0.00	0.00	0.010	O	|	|	|	|	0.01
142.750	0.00	0.00	0.010	O	|	|	|	|	0.01
142.833	0.00	0.00	0.010	O	|	|	|	|	0.01
142.917	0.00	0.00	0.010	O	|	|	|	|	0.01
143.000	0.00	0.00	0.010	O	|	|	|	|	0.01
143.083	0.00	0.00	0.010	O	|	|	|	|	0.01
143.167	0.00	0.00	0.010	O	|	|	|	|	0.01
143.250	0.00	0.00	0.010	O	|	|	|	|	0.01
143.333	0.00	0.00	0.009	O	|	|	|	|	0.01
143.417	0.00	0.00	0.009	O	|	|	|	|	0.01
143.500	0.00	0.00	0.009	O	|	|	|	|	0.01
143.583	0.00	0.00	0.009	O	|	|	|	|	0.01
143.667	0.00	0.00	0.009	O	|	|	|	|	0.01
143.750	0.00	0.00	0.009	O	|	|	|	|	0.01
143.833	0.00	0.00	0.009	O	|	|	|	|	0.01
143.917	0.00	0.00	0.009	O	|	|	|	|	0.01
144.000	0.00	0.00	0.009	O	|	|	|	|	0.01
144.083	0.00	0.00	0.009	O	|	|	|	|	0.01
144.167	0.00	0.00	0.009	O	|	|	|	|	0.01
144.250	0.00	0.00	0.009	O	|	|	|	|	0.01
144.333	0.00	0.00	0.009	O	|	|	|	|	0.01
144.417	0.00	0.00	0.009	O	|	|	|	|	0.01
144.500	0.00	0.00	0.009	O	|	|	|	|	0.01
144.583	0.00	0.00	0.009	O	|	|	|	|	0.01
144.667	0.00	0.00	0.009	O	|	|	|	|	0.01
144.750	0.00	0.00	0.009	O	|	|	|	|	0.01
144.833	0.00	0.00	0.009	O	|	|	|	|	0.01
144.917	0.00	0.00	0.009	O	|	|	|	|	0.01
145.000	0.00	0.00	0.009	O	|	|	|	|	0.01
145.083	0.00	0.00	0.009	O	|	|	|	|	0.01
145.167	0.00	0.00	0.009	O	|	|	|	|	0.01
145.250	0.00	0.00	0.009	O	|	|	|	|	0.01
145.333	0.00	0.00	0.009	O	|	|	|	|	0.01
145.417	0.00	0.00	0.009	O	|	|	|	|	0.01
145.500	0.00	0.00	0.009	O	|	|	|	|	0.01
145.583	0.00	0.00	0.009	O	|	|	|	|	0.01

145.667	0.00	0.00	0.009	O	|	|	|	|	0.01
145.750	0.00	0.00	0.009	O	|	|	|	|	0.01
145.833	0.00	0.00	0.009	O	|	|	|	|	0.01
145.917	0.00	0.00	0.009	O	|	|	|	|	0.01
146.000	0.00	0.00	0.008	O	|	|	|	|	0.01
146.083	0.00	0.00	0.008	O	|	|	|	|	0.01
146.167	0.00	0.00	0.008	O	|	|	|	|	0.01
146.250	0.00	0.00	0.008	O	|	|	|	|	0.01
146.333	0.00	0.00	0.008	O	|	|	|	|	0.01
146.417	0.00	0.00	0.008	O	|	|	|	|	0.01
146.500	0.00	0.00	0.008	O	|	|	|	|	0.01
146.583	0.00	0.00	0.008	O	|	|	|	|	0.01
146.667	0.00	0.00	0.008	O	|	|	|	|	0.01
146.750	0.00	0.00	0.008	O	|	|	|	|	0.01
146.833	0.00	0.00	0.008	O	|	|	|	|	0.01
146.917	0.00	0.00	0.008	O	|	|	|	|	0.01
147.000	0.00	0.00	0.008	O	|	|	|	|	0.01
147.083	0.00	0.00	0.008	O	|	|	|	|	0.01
147.167	0.00	0.00	0.008	O	|	|	|	|	0.01
147.250	0.00	0.00	0.008	O	|	|	|	|	0.01
147.333	0.00	0.00	0.008	O	|	|	|	|	0.01
147.417	0.00	0.00	0.008	O	|	|	|	|	0.01
147.500	0.00	0.00	0.008	O	|	|	|	|	0.01
147.583	0.00	0.00	0.008	O	|	|	|	|	0.01
147.667	0.00	0.00	0.008	O	|	|	|	|	0.01
147.750	0.00	0.00	0.008	O	|	|	|	|	0.01
147.833	0.00	0.00	0.008	O	|	|	|	|	0.01
147.917	0.00	0.00	0.008	O	|	|	|	|	0.01
148.000	0.00	0.00	0.008	O	|	|	|	|	0.01
148.083	0.00	0.00	0.008	O	|	|	|	|	0.01
148.167	0.00	0.00	0.008	O	|	|	|	|	0.01
148.250	0.00	0.00	0.008	O	|	|	|	|	0.01
148.333	0.00	0.00	0.008	O	|	|	|	|	0.01
148.417	0.00	0.00	0.008	O	|	|	|	|	0.01
148.500	0.00	0.00	0.008	O	|	|	|	|	0.01
148.583	0.00	0.00	0.008	O	|	|	|	|	0.01
148.667	0.00	0.00	0.008	O	|	|	|	|	0.01
148.750	0.00	0.00	0.008	O	|	|	|	|	0.01
148.833	0.00	0.00	0.008	O	|	|	|	|	0.01
148.917	0.00	0.00	0.008	O	|	|	|	|	0.01
149.000	0.00	0.00	0.007	O	|	|	|	|	0.01
149.083	0.00	0.00	0.007	O	|	|	|	|	0.01
149.167	0.00	0.00	0.007	O	|	|	|	|	0.01
149.250	0.00	0.00	0.007	O	|	|	|	|	0.01
149.333	0.00	0.00	0.007	O	|	|	|	|	0.01
149.417	0.00	0.00	0.007	O	|	|	|	|	0.01
149.500	0.00	0.00	0.007	O	|	|	|	|	0.01
149.583	0.00	0.00	0.007	O	|	|	|	|	0.01
149.667	0.00	0.00	0.007	O	|	|	|	|	0.01
149.750	0.00	0.00	0.007	O	|	|	|	|	0.01
149.833	0.00	0.00	0.007	O	|	|	|	|	0.01
149.917	0.00	0.00	0.007	O	|	|	|	|	0.01
150.000	0.00	0.00	0.007	O	|	|	|	|	0.01
150.083	0.00	0.00	0.007	O	|	|	|	|	0.01
150.167	0.00	0.00	0.007	O	|	|	|	|	0.01
150.250	0.00	0.00	0.007	O	|	|	|	|	0.01
150.333	0.00	0.00	0.007	O	|	|	|	|	0.01
150.417	0.00	0.00	0.007	O	|	|	|	|	0.01
150.500	0.00	0.00	0.007	O	|	|	|	|	0.01
150.583	0.00	0.00	0.007	O	|	|	|	|	0.01
150.667	0.00	0.00	0.007	O	|	|	|	|	0.01
150.750	0.00	0.00	0.007	O	|	|	|	|	0.01
150.833	0.00	0.00	0.007	O	|	|	|	|	0.01
150.917	0.00	0.00	0.007	O	|	|	|	|	0.01
151.000	0.00	0.00	0.007	O	|	|	|	|	0.01
151.083	0.00	0.00	0.007	O	|	|	|	|	0.01
151.167	0.00	0.00	0.007	O	|	|	|	|	0.01

151.250	0.00	0.00	0.007	O	|	|	|	|	0.01
151.333	0.00	0.00	0.007	O	|	|	|	|	0.01
151.417	0.00	0.00	0.007	O	|	|	|	|	0.01
151.500	0.00	0.00	0.007	O	|	|	|	|	0.01
151.583	0.00	0.00	0.007	O	|	|	|	|	0.01
151.667	0.00	0.00	0.007	O	|	|	|	|	0.01
151.750	0.00	0.00	0.007	O	|	|	|	|	0.01
151.833	0.00	0.00	0.007	O	|	|	|	|	0.01
151.917	0.00	0.00	0.007	O	|	|	|	|	0.01
152.000	0.00	0.00	0.007	O	|	|	|	|	0.01
152.083	0.00	0.00	0.007	O	|	|	|	|	0.01
152.167	0.00	0.00	0.007	O	|	|	|	|	0.01
152.250	0.00	0.00	0.007	O	|	|	|	|	0.01
152.333	0.00	0.00	0.007	O	|	|	|	|	0.01
152.417	0.00	0.00	0.006	O	|	|	|	|	0.01
152.500	0.00	0.00	0.006	O	|	|	|	|	0.01
152.583	0.00	0.00	0.006	O	|	|	|	|	0.01
152.667	0.00	0.00	0.006	O	|	|	|	|	0.01
152.750	0.00	0.00	0.006	O	|	|	|	|	0.01
152.833	0.00	0.00	0.006	O	|	|	|	|	0.01
152.917	0.00	0.00	0.006	O	|	|	|	|	0.01
153.000	0.00	0.00	0.006	O	|	|	|	|	0.01
153.083	0.00	0.00	0.006	O	|	|	|	|	0.01
153.167	0.00	0.00	0.006	O	|	|	|	|	0.01
153.250	0.00	0.00	0.006	O	|	|	|	|	0.01
153.333	0.00	0.00	0.006	O	|	|	|	|	0.01
153.417	0.00	0.00	0.006	O	|	|	|	|	0.01
153.500	0.00	0.00	0.006	O	|	|	|	|	0.01
153.583	0.00	0.00	0.006	O	|	|	|	|	0.01
153.667	0.00	0.00	0.006	O	|	|	|	|	0.01
153.750	0.00	0.00	0.006	O	|	|	|	|	0.01
153.833	0.00	0.00	0.006	O	|	|	|	|	0.01
153.917	0.00	0.00	0.006	O	|	|	|	|	0.01
154.000	0.00	0.00	0.006	O	|	|	|	|	0.01
154.083	0.00	0.00	0.006	O	|	|	|	|	0.01
154.167	0.00	0.00	0.006	O	|	|	|	|	0.01
154.250	0.00	0.00	0.006	O	|	|	|	|	0.01
154.333	0.00	0.00	0.006	O	|	|	|	|	0.01
154.417	0.00	0.00	0.006	O	|	|	|	|	0.01
154.500	0.00	0.00	0.006	O	|	|	|	|	0.01
154.583	0.00	0.00	0.006	O	|	|	|	|	0.01
154.667	0.00	0.00	0.006	O	|	|	|	|	0.01
154.750	0.00	0.00	0.006	O	|	|	|	|	0.01
154.833	0.00	0.00	0.006	O	|	|	|	|	0.01
154.917	0.00	0.00	0.006	O	|	|	|	|	0.01
155.000	0.00	0.00	0.006	O	|	|	|	|	0.01
155.083	0.00	0.00	0.006	O	|	|	|	|	0.01
155.167	0.00	0.00	0.006	O	|	|	|	|	0.01
155.250	0.00	0.00	0.006	O	|	|	|	|	0.01
155.333	0.00	0.00	0.006	O	|	|	|	|	0.01
155.417	0.00	0.00	0.006	O	|	|	|	|	0.01
155.500	0.00	0.00	0.006	O	|	|	|	|	0.01
155.583	0.00	0.00	0.006	O	|	|	|	|	0.01
155.667	0.00	0.00	0.006	O	|	|	|	|	0.01
155.750	0.00	0.00	0.006	O	|	|	|	|	0.01
155.833	0.00	0.00	0.006	O	|	|	|	|	0.01
155.917	0.00	0.00	0.006	O	|	|	|	|	0.01
156.000	0.00	0.00	0.006	O	|	|	|	|	0.01
156.083	0.00	0.00	0.006	O	|	|	|	|	0.01
156.167	0.00	0.00	0.006	O	|	|	|	|	0.01
156.250	0.00	0.00	0.006	O	|	|	|	|	0.01
156.333	0.00	0.00	0.005	O	|	|	|	|	0.01
156.417	0.00	0.00	0.005	O	|	|	|	|	0.01
156.500	0.00	0.00	0.005	O	|	|	|	|	0.01
156.583	0.00	0.00	0.005	O	|	|	|	|	0.01
156.667	0.00	0.00	0.005	O	|	|	|	|	0.01
156.750	0.00	0.00	0.005	O	|	|	|	|	0.01

156.833	0.00	0.00	0.005	O	|	|	|	|	0.01
156.917	0.00	0.00	0.005	O	|	|	|	|	0.01
157.000	0.00	0.00	0.005	O	|	|	|	|	0.01
157.083	0.00	0.00	0.005	O	|	|	|	|	0.01
157.167	0.00	0.00	0.005	O	|	|	|	|	0.01
157.250	0.00	0.00	0.005	O	|	|	|	|	0.01
157.333	0.00	0.00	0.005	O	|	|	|	|	0.01
157.417	0.00	0.00	0.005	O	|	|	|	|	0.01
157.500	0.00	0.00	0.005	O	|	|	|	|	0.01
157.583	0.00	0.00	0.005	O	|	|	|	|	0.01
157.667	0.00	0.00	0.005	O	|	|	|	|	0.01
157.750	0.00	0.00	0.005	O	|	|	|	|	0.01
157.833	0.00	0.00	0.005	O	|	|	|	|	0.01
157.917	0.00	0.00	0.005	O	|	|	|	|	0.01
158.000	0.00	0.00	0.005	O	|	|	|	|	0.01
158.083	0.00	0.00	0.005	O	|	|	|	|	0.01
158.167	0.00	0.00	0.005	O	|	|	|	|	0.01
158.250	0.00	0.00	0.005	O	|	|	|	|	0.01
158.333	0.00	0.00	0.005	O	|	|	|	|	0.01
158.417	0.00	0.00	0.005	O	|	|	|	|	0.01
158.500	0.00	0.00	0.005	O	|	|	|	|	0.01
158.583	0.00	0.00	0.005	O	|	|	|	|	0.01
158.667	0.00	0.00	0.005	O	|	|	|	|	0.01
158.750	0.00	0.00	0.005	O	|	|	|	|	0.01
158.833	0.00	0.00	0.005	O	|	|	|	|	0.01
158.917	0.00	0.00	0.005	O	|	|	|	|	0.01
159.000	0.00	0.00	0.005	O	|	|	|	|	0.01
159.083	0.00	0.00	0.005	O	|	|	|	|	0.01
159.167	0.00	0.00	0.005	O	|	|	|	|	0.01
159.250	0.00	0.00	0.005	O	|	|	|	|	0.01
159.333	0.00	0.00	0.005	O	|	|	|	|	0.01
159.417	0.00	0.00	0.005	O	|	|	|	|	0.01
159.500	0.00	0.00	0.005	O	|	|	|	|	0.01
159.583	0.00	0.00	0.005	O	|	|	|	|	0.01
159.667	0.00	0.00	0.005	O	|	|	|	|	0.01
159.750	0.00	0.00	0.005	O	|	|	|	|	0.01
159.833	0.00	0.00	0.005	O	|	|	|	|	0.01
159.917	0.00	0.00	0.005	O	|	|	|	|	0.01
160.000	0.00	0.00	0.005	O	|	|	|	|	0.01
160.083	0.00	0.00	0.005	O	|	|	|	|	0.01
160.167	0.00	0.00	0.005	O	|	|	|	|	0.01
160.250	0.00	0.00	0.005	O	|	|	|	|	0.01
160.333	0.00	0.00	0.005	O	|	|	|	|	0.01
160.417	0.00	0.00	0.005	O	|	|	|	|	0.01
160.500	0.00	0.00	0.005	O	|	|	|	|	0.01
160.583	0.00	0.00	0.005	O	|	|	|	|	0.01
160.667	0.00	0.00	0.005	O	|	|	|	|	0.01
160.750	0.00	0.00	0.005	O	|	|	|	|	0.01
160.833	0.00	0.00	0.005	O	|	|	|	|	0.01
160.917	0.00	0.00	0.005	O	|	|	|	|	0.01
161.000	0.00	0.00	0.005	O	|	|	|	|	0.01
161.083	0.00	0.00	0.005	O	|	|	|	|	0.01
161.167	0.00	0.00	0.004	O	|	|	|	|	0.01
161.250	0.00	0.00	0.004	O	|	|	|	|	0.01
161.333	0.00	0.00	0.004	O	|	|	|	|	0.01
161.417	0.00	0.00	0.004	O	|	|	|	|	0.01
161.500	0.00	0.00	0.004	O	|	|	|	|	0.01
161.583	0.00	0.00	0.004	O	|	|	|	|	0.01
161.667	0.00	0.00	0.004	O	|	|	|	|	0.01
161.750	0.00	0.00	0.004	O	|	|	|	|	0.01
161.833	0.00	0.00	0.004	O	|	|	|	|	0.01
161.917	0.00	0.00	0.004	O	|	|	|	|	0.01
162.000	0.00	0.00	0.004	O	|	|	|	|	0.01
162.083	0.00	0.00	0.004	O	|	|	|	|	0.01
162.167	0.00	0.00	0.004	O	|	|	|	|	0.01
162.250	0.00	0.00	0.004	O	|	|	|	|	0.01
162.333	0.00	0.00	0.004	O	|	|	|	|	0.01

162.417	0.00	0.00	0.004	O	|	|	|	| 0.01
162.500	0.00	0.00	0.004	O	|	|	|	| 0.01
162.583	0.00	0.00	0.004	O	|	|	|	| 0.01
162.667	0.00	0.00	0.004	O	|	|	|	| 0.01
162.750	0.00	0.00	0.004	O	|	|	|	| 0.01
162.833	0.00	0.00	0.004	O	|	|	|	| 0.01
162.917	0.00	0.00	0.004	O	|	|	|	| 0.01
163.000	0.00	0.00	0.004	O	|	|	|	| 0.01
163.083	0.00	0.00	0.004	O	|	|	|	| 0.01
163.167	0.00	0.00	0.004	O	|	|	|	| 0.01
163.250	0.00	0.00	0.004	O	|	|	|	| 0.01
163.333	0.00	0.00	0.004	O	|	|	|	| 0.01
163.417	0.00	0.00	0.004	O	|	|	|	| 0.01
163.500	0.00	0.00	0.004	O	|	|	|	| 0.01
163.583	0.00	0.00	0.004	O	|	|	|	| 0.01
163.667	0.00	0.00	0.004	O	|	|	|	| 0.01
163.750	0.00	0.00	0.004	O	|	|	|	| 0.01
163.833	0.00	0.00	0.004	O	|	|	|	| 0.01
163.917	0.00	0.00	0.004	O	|	|	|	| 0.01
164.000	0.00	0.00	0.004	O	|	|	|	| 0.01
164.083	0.00	0.00	0.004	O	|	|	|	| 0.01
164.167	0.00	0.00	0.004	O	|	|	|	| 0.01
164.250	0.00	0.00	0.004	O	|	|	|	| 0.01
164.333	0.00	0.00	0.004	O	|	|	|	| 0.01
164.417	0.00	0.00	0.004	O	|	|	|	| 0.01
164.500	0.00	0.00	0.004	O	|	|	|	| 0.01
164.583	0.00	0.00	0.004	O	|	|	|	| 0.01
164.667	0.00	0.00	0.004	O	|	|	|	| 0.01
164.750	0.00	0.00	0.004	O	|	|	|	| 0.01
164.833	0.00	0.00	0.004	O	|	|	|	| 0.01
164.917	0.00	0.00	0.004	O	|	|	|	| 0.01
165.000	0.00	0.00	0.004	O	|	|	|	| 0.01
165.083	0.00	0.00	0.004	O	|	|	|	| 0.01
165.167	0.00	0.00	0.004	O	|	|	|	| 0.01
165.250	0.00	0.00	0.004	O	|	|	|	| 0.01
165.333	0.00	0.00	0.004	O	|	|	|	| 0.01
165.417	0.00	0.00	0.004	O	|	|	|	| 0.01
165.500	0.00	0.00	0.004	O	|	|	|	| 0.01
165.583	0.00	0.00	0.004	O	|	|	|	| 0.01
165.667	0.00	0.00	0.004	O	|	|	|	| 0.01
165.750	0.00	0.00	0.004	O	|	|	|	| 0.01
165.833	0.00	0.00	0.004	O	|	|	|	| 0.01
165.917	0.00	0.00	0.004	O	|	|	|	| 0.01
166.000	0.00	0.00	0.004	O	|	|	|	| 0.01
166.083	0.00	0.00	0.004	O	|	|	|	| 0.01
166.167	0.00	0.00	0.004	O	|	|	|	| 0.01
166.250	0.00	0.00	0.004	O	|	|	|	| 0.01
166.333	0.00	0.00	0.004	O	|	|	|	| 0.01
166.417	0.00	0.00	0.004	O	|	|	|	| 0.01
166.500	0.00	0.00	0.004	O	|	|	|	| 0.01
166.583	0.00	0.00	0.004	O	|	|	|	| 0.01
166.667	0.00	0.00	0.004	O	|	|	|	| 0.01
166.750	0.00	0.00	0.004	O	|	|	|	| 0.01
166.833	0.00	0.00	0.004	O	|	|	|	| 0.00
166.917	0.00	0.00	0.004	O	|	|	|	| 0.00
167.000	0.00	0.00	0.004	O	|	|	|	| 0.00
167.083	0.00	0.00	0.004	O	|	|	|	| 0.00
167.167	0.00	0.00	0.003	O	|	|	|	| 0.00
167.250	0.00	0.00	0.003	O	|	|	|	| 0.00
167.333	0.00	0.00	0.003	O	|	|	|	| 0.00
167.417	0.00	0.00	0.003	O	|	|	|	| 0.00
167.500	0.00	0.00	0.003	O	|	|	|	| 0.00
167.583	0.00	0.00	0.003	O	|	|	|	| 0.00
167.667	0.00	0.00	0.003	O	|	|	|	| 0.00
167.750	0.00	0.00	0.003	O	|	|	|	| 0.00
167.833	0.00	0.00	0.003	O	|	|	|	| 0.00
167.917	0.00	0.00	0.003	O	|	|	|	| 0.00

168.000	0.00	0.00	0.003	O	|	|	|	0.00
168.083	0.00	0.00	0.003	O	|	|	|	0.00
168.167	0.00	0.00	0.003	O	|	|	|	0.00
168.250	0.00	0.00	0.003	O	|	|	|	0.00
168.333	0.00	0.00	0.003	O	|	|	|	0.00
168.417	0.00	0.00	0.003	O	|	|	|	0.00
168.500	0.00	0.00	0.003	O	|	|	|	0.00
168.583	0.00	0.00	0.003	O	|	|	|	0.00
168.667	0.00	0.00	0.003	O	|	|	|	0.00
168.750	0.00	0.00	0.003	O	|	|	|	0.00
168.833	0.00	0.00	0.003	O	|	|	|	0.00
168.917	0.00	0.00	0.003	O	|	|	|	0.00
169.000	0.00	0.00	0.003	O	|	|	|	0.00
169.083	0.00	0.00	0.003	O	|	|	|	0.00
169.167	0.00	0.00	0.003	O	|	|	|	0.00
169.250	0.00	0.00	0.003	O	|	|	|	0.00
169.333	0.00	0.00	0.003	O	|	|	|	0.00
169.417	0.00	0.00	0.003	O	|	|	|	0.00
169.500	0.00	0.00	0.003	O	|	|	|	0.00
169.583	0.00	0.00	0.003	O	|	|	|	0.00
169.667	0.00	0.00	0.003	O	|	|	|	0.00
169.750	0.00	0.00	0.003	O	|	|	|	0.00
169.833	0.00	0.00	0.003	O	|	|	|	0.00
169.917	0.00	0.00	0.003	O	|	|	|	0.00
170.000	0.00	0.00	0.003	O	|	|	|	0.00
170.083	0.00	0.00	0.003	O	|	|	|	0.00
170.167	0.00	0.00	0.003	O	|	|	|	0.00
170.250	0.00	0.00	0.003	O	|	|	|	0.00
170.333	0.00	0.00	0.003	O	|	|	|	0.00
170.417	0.00	0.00	0.003	O	|	|	|	0.00
170.500	0.00	0.00	0.003	O	|	|	|	0.00
170.583	0.00	0.00	0.003	O	|	|	|	0.00
170.667	0.00	0.00	0.003	O	|	|	|	0.00
170.750	0.00	0.00	0.003	O	|	|	|	0.00
170.833	0.00	0.00	0.003	O	|	|	|	0.00
170.917	0.00	0.00	0.003	O	|	|	|	0.00
171.000	0.00	0.00	0.003	O	|	|	|	0.00
171.083	0.00	0.00	0.003	O	|	|	|	0.00
171.167	0.00	0.00	0.003	O	|	|	|	0.00
171.250	0.00	0.00	0.003	O	|	|	|	0.00
171.333	0.00	0.00	0.003	O	|	|	|	0.00
171.417	0.00	0.00	0.003	O	|	|	|	0.00
171.500	0.00	0.00	0.003	O	|	|	|	0.00
171.583	0.00	0.00	0.003	O	|	|	|	0.00
171.667	0.00	0.00	0.003	O	|	|	|	0.00
171.750	0.00	0.00	0.003	O	|	|	|	0.00
171.833	0.00	0.00	0.003	O	|	|	|	0.00
171.917	0.00	0.00	0.003	O	|	|	|	0.00
172.000	0.00	0.00	0.003	O	|	|	|	0.00
172.083	0.00	0.00	0.003	O	|	|	|	0.00
172.167	0.00	0.00	0.003	O	|	|	|	0.00
172.250	0.00	0.00	0.003	O	|	|	|	0.00
172.333	0.00	0.00	0.003	O	|	|	|	0.00
172.417	0.00	0.00	0.003	O	|	|	|	0.00
172.500	0.00	0.00	0.003	O	|	|	|	0.00
172.583	0.00	0.00	0.003	O	|	|	|	0.00
172.667	0.00	0.00	0.003	O	|	|	|	0.00
172.750	0.00	0.00	0.003	O	|	|	|	0.00
172.833	0.00	0.00	0.003	O	|	|	|	0.00
172.917	0.00	0.00	0.003	O	|	|	|	0.00
173.000	0.00	0.00	0.003	O	|	|	|	0.00
173.083	0.00	0.00	0.003	O	|	|	|	0.00
173.167	0.00	0.00	0.003	O	|	|	|	0.00
173.250	0.00	0.00	0.003	O	|	|	|	0.00
173.333	0.00	0.00	0.003	O	|	|	|	0.00
173.417	0.00	0.00	0.003	O	|	|	|	0.00
173.500	0.00	0.00	0.003	O	|	|	|	0.00

173.583	0.00	0.00	0.003	O	|	|	|	0.00
173.667	0.00	0.00	0.003	O	|	|	|	0.00
173.750	0.00	0.00	0.003	O	|	|	|	0.00
173.833	0.00	0.00	0.003	O	|	|	|	0.00
173.917	0.00	0.00	0.003	O	|	|	|	0.00
174.000	0.00	0.00	0.003	O	|	|	|	0.00
174.083	0.00	0.00	0.003	O	|	|	|	0.00
174.167	0.00	0.00	0.003	O	|	|	|	0.00
174.250	0.00	0.00	0.003	O	|	|	|	0.00
174.333	0.00	0.00	0.003	O	|	|	|	0.00
174.417	0.00	0.00	0.003	O	|	|	|	0.00
174.500	0.00	0.00	0.003	O	|	|	|	0.00
174.583	0.00	0.00	0.003	O	|	|	|	0.00
174.667	0.00	0.00	0.003	O	|	|	|	0.00
174.750	0.00	0.00	0.003	O	|	|	|	0.00
174.833	0.00	0.00	0.003	O	|	|	|	0.00
174.917	0.00	0.00	0.003	O	|	|	|	0.00
175.000	0.00	0.00	0.003	O	|	|	|	0.00
175.083	0.00	0.00	0.003	O	|	|	|	0.00
175.167	0.00	0.00	0.002	O	|	|	|	0.00
175.250	0.00	0.00	0.002	O	|	|	|	0.00
175.333	0.00	0.00	0.002	O	|	|	|	0.00
175.417	0.00	0.00	0.002	O	|	|	|	0.00
175.500	0.00	0.00	0.002	O	|	|	|	0.00
175.583	0.00	0.00	0.002	O	|	|	|	0.00
175.667	0.00	0.00	0.002	O	|	|	|	0.00
175.750	0.00	0.00	0.002	O	|	|	|	0.00
175.833	0.00	0.00	0.002	O	|	|	|	0.00
175.917	0.00	0.00	0.002	O	|	|	|	0.00
176.000	0.00	0.00	0.002	O	|	|	|	0.00
176.083	0.00	0.00	0.002	O	|	|	|	0.00
176.167	0.00	0.00	0.002	O	|	|	|	0.00
176.250	0.00	0.00	0.002	O	|	|	|	0.00
176.333	0.00	0.00	0.002	O	|	|	|	0.00
176.417	0.00	0.00	0.002	O	|	|	|	0.00
176.500	0.00	0.00	0.002	O	|	|	|	0.00
176.583	0.00	0.00	0.002	O	|	|	|	0.00
176.667	0.00	0.00	0.002	O	|	|	|	0.00
176.750	0.00	0.00	0.002	O	|	|	|	0.00
176.833	0.00	0.00	0.002	O	|	|	|	0.00
176.917	0.00	0.00	0.002	O	|	|	|	0.00
177.000	0.00	0.00	0.002	O	|	|	|	0.00
177.083	0.00	0.00	0.002	O	|	|	|	0.00
177.167	0.00	0.00	0.002	O	|	|	|	0.00
177.250	0.00	0.00	0.002	O	|	|	|	0.00
177.333	0.00	0.00	0.002	O	|	|	|	0.00
177.417	0.00	0.00	0.002	O	|	|	|	0.00
177.500	0.00	0.00	0.002	O	|	|	|	0.00
177.583	0.00	0.00	0.002	O	|	|	|	0.00
177.667	0.00	0.00	0.002	O	|	|	|	0.00
177.750	0.00	0.00	0.002	O	|	|	|	0.00
177.833	0.00	0.00	0.002	O	|	|	|	0.00
177.917	0.00	0.00	0.002	O	|	|	|	0.00
178.000	0.00	0.00	0.002	O	|	|	|	0.00
178.083	0.00	0.00	0.002	O	|	|	|	0.00
178.167	0.00	0.00	0.002	O	|	|	|	0.00
178.250	0.00	0.00	0.002	O	|	|	|	0.00
178.333	0.00	0.00	0.002	O	|	|	|	0.00
178.417	0.00	0.00	0.002	O	|	|	|	0.00
178.500	0.00	0.00	0.002	O	|	|	|	0.00
178.583	0.00	0.00	0.002	O	|	|	|	0.00
178.667	0.00	0.00	0.002	O	|	|	|	0.00
178.750	0.00	0.00	0.002	O	|	|	|	0.00
178.833	0.00	0.00	0.002	O	|	|	|	0.00
178.917	0.00	0.00	0.002	O	|	|	|	0.00
179.000	0.00	0.00	0.002	O	|	|	|	0.00
179.083	0.00	0.00	0.002	O	|	|	|	0.00

179.167	0.00	0.00	0.002	O	|	|	|	|	0.00
179.250	0.00	0.00	0.002	O	|	|	|	|	0.00
179.333	0.00	0.00	0.002	O	|	|	|	|	0.00
179.417	0.00	0.00	0.002	O	|	|	|	|	0.00
179.500	0.00	0.00	0.002	O	|	|	|	|	0.00
179.583	0.00	0.00	0.002	O	|	|	|	|	0.00
179.667	0.00	0.00	0.002	O	|	|	|	|	0.00
179.750	0.00	0.00	0.002	O	|	|	|	|	0.00
179.833	0.00	0.00	0.002	O	|	|	|	|	0.00
179.917	0.00	0.00	0.002	O	|	|	|	|	0.00
180.000	0.00	0.00	0.002	O	|	|	|	|	0.00
180.083	0.00	0.00	0.002	O	|	|	|	|	0.00
180.167	0.00	0.00	0.002	O	|	|	|	|	0.00
180.250	0.00	0.00	0.002	O	|	|	|	|	0.00
180.333	0.00	0.00	0.002	O	|	|	|	|	0.00
180.417	0.00	0.00	0.002	O	|	|	|	|	0.00
180.500	0.00	0.00	0.002	O	|	|	|	|	0.00
180.583	0.00	0.00	0.002	O	|	|	|	|	0.00
180.667	0.00	0.00	0.002	O	|	|	|	|	0.00
180.750	0.00	0.00	0.002	O	|	|	|	|	0.00
180.833	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 2170
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.860 (CFS)
Total volume = 2.603 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRI6100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 74
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 33.864 (CFS)
Total volume = 3.833 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN I- ROUTING
100YR-6HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 74
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.710	0.360	0.709	0.711
2.000	1.520	0.620	1.518	1.522
3.000	2.440	0.800	2.437	2.443
4.000	3.480	1.790	3.474	3.486
5.000	4.630	26.090	4.540	4.720

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 8.5 16.93 25.40 33.86	Depth (Ft.)
0.083	1.41	0.00	0.005	OI | | | | |	0.01
0.167	2.68	0.01	0.019	O I | | | | |	0.03
0.250	3.07	0.02	0.039	O I | | | | |	0.05
0.333	3.11	0.03	0.060	O I | | | | |	0.08
0.417	3.11	0.04	0.081	O I | | | | |	0.11

0.500	3.39	0.05	0.103	O	I	|	|	|	|	0.14
0.583	3.59	0.06	0.126	O	I	|	|	|	|	0.18
0.667	3.62	0.08	0.151	O	I	|	|	|	|	0.21
0.750	3.62	0.09	0.175	O	I	|	|	|	|	0.25
0.833	3.62	0.10	0.200	O	I	|	|	|	|	0.28
0.917	3.62	0.11	0.224	O	I	|	|	|	|	0.32
1.000	3.91	0.13	0.249	O	I	|	|	|	|	0.35
1.083	4.10	0.14	0.275	O	I	|	|	|	|	0.39
1.167	4.14	0.15	0.303	O	I	|	|	|	|	0.43
1.250	4.14	0.17	0.330	O	I	|	|	|	|	0.47
1.333	4.14	0.18	0.358	O	I	|	|	|	|	0.50
1.417	4.14	0.20	0.385	O	I	|	|	|	|	0.54
1.500	4.14	0.21	0.412	O	I	|	|	|	|	0.58
1.583	4.14	0.22	0.439	O	I	|	|	|	|	0.62
1.667	4.14	0.24	0.466	O	I	|	|	|	|	0.66
1.750	4.14	0.25	0.493	O	I	|	|	|	|	0.69
1.833	4.14	0.26	0.520	O	I	|	|	|	|	0.73
1.917	4.14	0.28	0.546	O	I	|	|	|	|	0.77
2.000	4.42	0.29	0.574	O	I	|	|	|	|	0.81
2.083	4.34	0.31	0.602	O	I	|	|	|	|	0.85
2.167	4.46	0.32	0.630	O	I	|	|	|	|	0.89
2.250	4.62	0.33	0.659	O	I	|	|	|	|	0.93
2.333	4.66	0.35	0.689	O	I	|	|	|	|	0.97
2.417	4.66	0.36	0.718	O	I	|	|	|	|	1.01
2.500	4.66	0.37	0.748	O	I	|	|	|	|	1.05
2.583	4.66	0.38	0.777	O	I	|	|	|	|	1.08
2.667	4.66	0.39	0.807	O	I	|	|	|	|	1.12
2.750	4.94	0.40	0.837	O	I	|	|	|	|	1.16
2.833	5.14	0.41	0.869	O	I	|	|	|	|	1.20
2.917	5.18	0.42	0.902	O	I	|	|	|	|	1.24
3.000	5.18	0.43	0.934	O	I	|	|	|	|	1.28
3.083	5.18	0.44	0.967	O	I	|	|	|	|	1.32
3.167	5.46	0.45	1.000	O	I	|	|	|	|	1.36
3.250	5.66	0.46	1.036	O	I	|	|	|	|	1.40
3.333	5.69	0.48	1.071	O	I	|	|	|	|	1.45
3.417	5.98	0.49	1.108	O	I	|	|	|	|	1.49
3.500	6.46	0.50	1.148	O	I	|	|	|	|	1.54
3.583	6.97	0.51	1.190	O	I	|	|	|	|	1.59
3.667	7.21	0.53	1.236	O	I	|	|	|	|	1.65
3.750	7.53	0.54	1.283	O	I	|	|	|	|	1.71
3.833	7.73	0.56	1.332	O	I	|	|	|	|	1.77
3.917	8.05	0.58	1.382	O	I	|	|	|	|	1.83
4.000	8.24	0.59	1.434	O	I	|	|	|	|	1.89
4.083	8.56	0.61	1.488	O	I	|	|	|	|	1.96
4.167	9.04	0.62	1.544	O	I	|	|	|	|	2.03
4.250	9.60	0.64	1.604	O	I	|	|	|	|	2.09
4.333	10.27	0.65	1.668	O	I	|	|	|	|	2.16
4.417	11.00	0.66	1.737	O	I	|	|	|	|	2.24
4.500	11.33	0.68	1.809	O	I	|	|	|	|	2.31
4.583	11.79	0.69	1.884	O	I	|	|	|	|	2.40
4.667	12.47	0.71	1.963	O	I	|	|	|	|	2.48
4.750	13.20	0.72	2.046	O	I	|	|	|	|	2.57
4.833	13.54	0.74	2.133	O	I	|	|	|	|	2.67
4.917	13.99	0.76	2.223	O	I	|	|	|	|	2.76
5.000	14.68	0.78	2.316	O	I	|	|	|	|	2.87
5.083	17.02	0.80	2.420	O	I	|	|	|	|	2.98
5.167	20.48	0.90	2.543	O	I	|	|	|	|	3.10
5.250	23.36	1.04	2.688	O	I	|	|	|	|	3.24
5.333	25.68	1.19	2.849	I	O	|	|	|	|	3.39
5.417	28.69	1.36	3.027	I	O	|	|	|	|	3.56
5.500	33.86	1.55	3.233	I	O	|	|	|	|	3.76
5.583	21.84	1.73	3.413	I	O	|	|	|	|	3.94
5.667	9.03	2.33	3.505	I	O	|	|	|	|	4.02
5.750	4.19	2.91	3.533	I	OI	|	|	|	|	4.05
5.833	2.94	**3.00**	**3.537**	**I**	**O**	**|**	**|**	**|**	**|**	**4.05**
5.917	2.06	2.93	3.534	I	IO	|	|	|	|	4.05
6.000	1.35	2.76	3.526	I	IO	|	|	|	|	4.04

6.083	0.51	2.51	3.514	I O	|	|	|	4.03
6.167	0.08	2.21	3.500	I O	|	|	|	4.02
6.250	0.00	1.92	3.486	IO	|	|	|	4.01
6.333	0.00	1.78	3.473	IO	|	|	|	3.99
6.417	0.00	1.77	3.461	IO	|	|	|	3.98
6.500	0.00	1.76	3.449	IO	|	|	|	3.97
6.583	0.00	1.75	3.437	IO	|	|	|	3.96
6.667	0.00	1.74	3.425	IO	|	|	|	3.95
6.750	0.00	1.73	3.413	IO	|	|	|	3.94
6.833	0.00	1.71	3.401	IO	|	|	|	3.92
6.917	0.00	1.70	3.389	IO	|	|	|	3.91
7.000	0.00	1.69	3.378	IO	|	|	|	3.90
7.083	0.00	1.68	3.366	IO	|	|	|	3.89
7.167	0.00	1.67	3.354	IO	|	|	|	3.88
7.250	0.00	1.66	3.343	IO	|	|	|	3.87
7.333	0.00	1.65	3.332	IO	|	|	|	3.86
7.417	0.00	1.64	3.320	IO	|	|	|	3.85
7.500	0.00	1.63	3.309	IO	|	|	|	3.84
7.583	0.00	1.62	3.298	IO	|	|	|	3.82
7.667	0.00	1.61	3.287	IO	|	|	|	3.81
7.750	0.00	1.60	3.276	IO	|	|	|	3.80
7.833	0.00	1.59	3.265	IO	|	|	|	3.79
7.917	0.00	1.57	3.254	IO	|	|	|	3.78
8.000	0.00	1.56	3.243	IO	|	|	|	3.77
8.083	0.00	1.55	3.232	IO	|	|	|	3.76
8.167	0.00	1.54	3.222	IO	|	|	|	3.75
8.250	0.00	1.53	3.211	IO	|	|	|	3.74
8.333	0.00	1.52	3.201	IO	|	|	|	3.73
8.417	0.00	1.51	3.190	IO	|	|	|	3.72
8.500	0.00	1.50	3.180	IO	|	|	|	3.71
8.583	0.00	1.49	3.169	IO	|	|	|	3.70
8.667	0.00	1.48	3.159	IO	|	|	|	3.69
8.750	0.00	1.47	3.149	IO	|	|	|	3.68
8.833	0.00	1.47	3.139	IO	|	|	|	3.67
8.917	0.00	1.46	3.129	IO	|	|	|	3.66
9.000	0.00	1.45	3.119	IO	|	|	|	3.65
9.083	0.00	1.44	3.109	IO	|	|	|	3.64
9.167	0.00	1.43	3.099	IO	|	|	|	3.63
9.250	0.00	1.42	3.089	IO	|	|	|	3.62
9.333	0.00	1.41	3.079	IO	|	|	|	3.61
9.417	0.00	1.40	3.070	IO	|	|	|	3.61
9.500	0.00	1.39	3.060	IO	|	|	|	3.60
9.583	0.00	1.38	3.051	IO	|	|	|	3.59
9.667	0.00	1.37	3.041	IO	|	|	|	3.58
9.750	0.00	1.36	3.032	IO	|	|	|	3.57
9.833	0.00	1.35	3.022	IO	|	|	|	3.56
9.917	0.00	1.35	3.013	IO	|	|	|	3.55
10.000	0.00	1.34	3.004	IO	|	|	|	3.54
10.083	0.00	1.33	2.995	IO	|	|	|	3.53
10.167	0.00	1.32	2.985	IO	|	|	|	3.52
10.250	0.00	1.31	2.976	IO	|	|	|	3.52
10.333	0.00	1.30	2.967	IO	|	|	|	3.51
10.417	0.00	1.29	2.958	IO	|	|	|	3.50
10.500	0.00	1.29	2.950	IO	|	|	|	3.49
10.583	0.00	1.28	2.941	IO	|	|	|	3.48
10.667	0.00	1.27	2.932	IO	|	|	|	3.47
10.750	0.00	1.26	2.923	IO	|	|	|	3.46
10.833	0.00	1.25	2.915	IO	|	|	|	3.46
10.917	0.00	1.24	2.906	IO	|	|	|	3.45
11.000	0.00	1.24	2.898	IO	|	|	|	3.44
11.083	0.00	1.23	2.889	IO	|	|	|	3.43
11.167	0.00	1.22	2.881	IO	|	|	|	3.42
11.250	0.00	1.21	2.872	IO	|	|	|	3.42
11.333	0.00	1.20	2.864	IO	|	|	|	3.41
11.417	0.00	1.20	2.856	IO	|	|	|	3.40
11.500	0.00	1.19	2.847	IO	|	|	|	3.39
11.583	0.00	1.18	2.839	IO	|	|	|	3.38

11.667	0.00	1.17	2.831	IO				3.38
11.750	0.00	1.16	2.823	IO				3.37
11.833	0.00	1.16	2.815	IO				3.36
11.917	0.00	1.15	2.807	IO				3.35
12.000	0.00	1.14	2.799	IO				3.35
12.083	0.00	1.13	2.792	IO				3.34
12.167	0.00	1.13	2.784	IO				3.33
12.250	0.00	1.12	2.776	IO				3.32
12.333	0.00	1.11	2.768	IO				3.32
12.417	0.00	1.11	2.761	IO				3.31
12.500	0.00	1.10	2.753	IO				3.30
12.583	0.00	1.09	2.746	IO				3.29
12.667	0.00	1.08	2.738	IO				3.29
12.750	0.00	1.08	2.731	IO				3.28
12.833	0.00	1.07	2.723	IO				3.27
12.917	0.00	1.06	2.716	IO				3.27
13.000	0.00	1.06	2.709	O				3.26
13.083	0.00	1.05	2.701	O				3.25
13.167	0.00	1.04	2.694	O				3.24
13.250	0.00	1.04	2.687	O				3.24
13.333	0.00	1.03	2.680	O				3.23
13.417	0.00	1.02	2.673	O				3.22
13.500	0.00	1.01	2.666	O				3.22
13.583	0.00	1.01	2.659	O				3.21
13.667	0.00	1.00	2.652	O				3.20
13.750	0.00	1.00	2.645	O				3.20
13.833	0.00	0.99	2.638	O				3.19
13.917	0.00	0.98	2.631	O				3.18
14.000	0.00	0.98	2.625	O				3.18
14.083	0.00	0.97	2.618	O				3.17
14.167	0.00	0.96	2.611	O				3.16
14.250	0.00	0.96	2.605	O				3.16
14.333	0.00	0.95	2.598	O				3.15
14.417	0.00	0.94	2.592	O				3.15
14.500	0.00	0.94	2.585	O				3.14
14.583	0.00	0.93	2.579	O				3.13
14.667	0.00	0.93	2.572	O				3.13
14.750	0.00	0.92	2.566	O				3.12
14.833	0.00	0.91	2.560	O				3.12
14.917	0.00	0.91	2.553	O				3.11
15.000	0.00	0.90	2.547	O				3.10
15.083	0.00	0.90	2.541	O				3.10
15.167	0.00	0.89	2.535	O				3.09
15.250	0.00	0.88	2.529	O				3.09
15.333	0.00	0.88	2.523	O				3.08
15.417	0.00	0.87	2.517	O				3.07
15.500	0.00	0.87	2.511	O				3.07
15.583	0.00	0.86	2.505	O				3.06
15.667	0.00	0.86	2.499	O				3.06
15.750	0.00	0.85	2.493	O				3.05
15.833	0.00	0.84	2.487	O				3.05
15.917	0.00	0.84	2.481	O				3.04
16.000	0.00	0.83	2.475	O				3.03
16.083	0.00	0.83	2.470	O				3.03
16.167	0.00	0.82	2.464	O				3.02
16.250	0.00	0.82	2.458	O				3.02
16.333	0.00	0.81	2.453	O				3.01
16.417	0.00	0.81	2.447	O				3.01
16.500	0.00	0.80	2.442	O				3.00
16.583	0.00	0.80	2.436	O				3.00
16.667	0.00	0.80	2.431	O				2.99
16.750	0.00	0.80	2.425	O				2.98
16.833	0.00	0.80	2.420	O				2.98
16.917	0.00	0.79	2.414	O				2.97
17.000	0.00	0.79	2.409	O				2.97
17.083	0.00	0.79	2.403	O				2.96
17.167	0.00	0.79	2.398	O				2.95

17.250	0.00	0.79	2.392	O	|	|	|	|	2.95
17.333	0.00	0.79	2.387	O	|	|	|	|	2.94
17.417	0.00	0.79	2.381	O	|	|	|	|	2.94
17.500	0.00	0.79	2.376	O	|	|	|	|	2.93
17.583	0.00	0.79	2.371	O	|	|	|	|	2.92
17.667	0.00	0.79	2.365	O	|	|	|	|	2.92
17.750	0.00	0.78	2.360	O	|	|	|	|	2.91
17.833	0.00	0.78	2.354	O	|	|	|	|	2.91
17.917	0.00	0.78	2.349	O	|	|	|	|	2.90
18.000	0.00	0.78	2.344	O	|	|	|	|	2.90
18.083	0.00	0.78	2.338	O	|	|	|	|	2.89
18.167	0.00	0.78	2.333	O	|	|	|	|	2.88
18.250	0.00	0.78	2.328	O	|	|	|	|	2.88
18.333	0.00	0.78	2.322	O	|	|	|	|	2.87
18.417	0.00	0.78	2.317	O	|	|	|	|	2.87
18.500	0.00	0.77	2.311	O	|	|	|	|	2.86
18.583	0.00	0.77	2.306	O	|	|	|	|	2.85
18.667	0.00	0.77	2.301	O	|	|	|	|	2.85
18.750	0.00	0.77	2.296	O	|	|	|	|	2.84
18.833	0.00	0.77	2.290	O	|	|	|	|	2.84
18.917	0.00	0.77	2.285	O	|	|	|	|	2.83
19.000	0.00	0.77	2.280	O	|	|	|	|	2.83
19.083	0.00	0.77	2.274	O	|	|	|	|	2.82
19.167	0.00	0.77	2.269	O	|	|	|	|	2.81
19.250	0.00	0.77	2.264	O	|	|	|	|	2.81
19.333	0.00	0.76	2.258	O	|	|	|	|	2.80
19.417	0.00	0.76	2.253	O	|	|	|	|	2.80
19.500	0.00	0.76	2.248	O	|	|	|	|	2.79
19.583	0.00	0.76	2.243	O	|	|	|	|	2.79
19.667	0.00	0.76	2.237	O	|	|	|	|	2.78
19.750	0.00	0.76	2.232	O	|	|	|	|	2.77
19.833	0.00	0.76	2.227	O	|	|	|	|	2.77
19.917	0.00	0.76	2.222	O	|	|	|	|	2.76
20.000	0.00	0.76	2.217	O	|	|	|	|	2.76
20.083	0.00	0.76	2.211	O	|	|	|	|	2.75
20.167	0.00	0.75	2.206	O	|	|	|	|	2.75
20.250	0.00	0.75	2.201	O	|	|	|	|	2.74
20.333	0.00	0.75	2.196	O	|	|	|	|	2.73
20.417	0.00	0.75	2.191	O	|	|	|	|	2.73
20.500	0.00	0.75	2.185	O	|	|	|	|	2.72
20.583	0.00	0.75	2.180	O	|	|	|	|	2.72
20.667	0.00	0.75	2.175	O	|	|	|	|	2.71
20.750	0.00	0.75	2.170	O	|	|	|	|	2.71
20.833	0.00	0.75	2.165	O	|	|	|	|	2.70
20.917	0.00	0.75	2.160	O	|	|	|	|	2.70
21.000	0.00	0.74	2.155	O	|	|	|	|	2.69
21.083	0.00	0.74	2.149	O	|	|	|	|	2.68
21.167	0.00	0.74	2.144	O	|	|	|	|	2.68
21.250	0.00	0.74	2.139	O	|	|	|	|	2.67
21.333	0.00	0.74	2.134	O	|	|	|	|	2.67
21.417	0.00	0.74	2.129	O	|	|	|	|	2.66
21.500	0.00	0.74	2.124	O	|	|	|	|	2.66
21.583	0.00	0.74	2.119	O	|	|	|	|	2.65
21.667	0.00	0.74	2.114	O	|	|	|	|	2.65
21.750	0.00	0.74	2.109	O	|	|	|	|	2.64
21.833	0.00	0.73	2.104	O	|	|	|	|	2.63
21.917	0.00	0.73	2.099	O	|	|	|	|	2.63
22.000	0.00	0.73	2.094	O	|	|	|	|	2.62
22.083	0.00	0.73	2.089	O	|	|	|	|	2.62
22.167	0.00	0.73	2.083	O	|	|	|	|	2.61
22.250	0.00	0.73	2.078	O	|	|	|	|	2.61
22.333	0.00	0.73	2.073	O	|	|	|	|	2.60
22.417	0.00	0.73	2.068	O	|	|	|	|	2.60
22.500	0.00	0.73	2.063	O	|	|	|	|	2.59
22.583	0.00	0.73	2.058	O	|	|	|	|	2.59
22.667	0.00	0.72	2.053	O	|	|	|	|	2.58
22.750	0.00	0.72	2.048	O	|	|	|	|	2.57

22.833	0.00	0.72	2.043	O					2.57
22.917	0.00	0.72	2.039	O					2.56
23.000	0.00	0.72	2.034	O					2.56
23.083	0.00	0.72	2.029	O					2.55
23.167	0.00	0.72	2.024	O					2.55
23.250	0.00	0.72	2.019	O					2.54
23.333	0.00	0.72	2.014	O					2.54
23.417	0.00	0.72	2.009	O					2.53
23.500	0.00	0.71	2.004	O					2.53
23.583	0.00	0.71	1.999	O					2.52
23.667	0.00	0.71	1.994	O					2.52
23.750	0.00	0.71	1.989	O					2.51
23.833	0.00	0.71	1.984	O					2.50
23.917	0.00	0.71	1.979	O					2.50
24.000	0.00	0.71	1.974	O					2.49
24.083	0.00	0.71	1.970	O					2.49
24.167	0.00	0.71	1.965	O					2.48
24.250	0.00	0.71	1.960	O					2.48
24.333	0.00	0.71	1.955	O					2.47
24.417	0.00	0.70	1.950	O					2.47
24.500	0.00	0.70	1.945	O					2.46
24.583	0.00	0.70	1.940	O					2.46
24.667	0.00	0.70	1.936	O					2.45
24.750	0.00	0.70	1.931	O					2.45
24.833	0.00	0.70	1.926	O					2.44
24.917	0.00	0.70	1.921	O					2.44
25.000	0.00	0.70	1.916	O					2.43
25.083	0.00	0.70	1.912	O					2.43
25.167	0.00	0.70	1.907	O					2.42
25.250	0.00	0.69	1.902	O					2.42
25.333	0.00	0.69	1.897	O					2.41
25.417	0.00	0.69	1.892	O					2.40
25.500	0.00	0.69	1.888	O					2.40
25.583	0.00	0.69	1.883	O					2.39
25.667	0.00	0.69	1.878	O					2.39
25.750	0.00	0.69	1.873	O					2.38
25.833	0.00	0.69	1.869	O					2.38
25.917	0.00	0.69	1.864	O					2.37
26.000	0.00	0.69	1.859	O					2.37
26.083	0.00	0.69	1.854	O					2.36
26.167	0.00	0.68	1.850	O					2.36
26.250	0.00	0.68	1.845	O					2.35
26.333	0.00	0.68	1.840	O					2.35
26.417	0.00	0.68	1.836	O					2.34
26.500	0.00	0.68	1.831	O					2.34
26.583	0.00	0.68	1.826	O					2.33
26.667	0.00	0.68	1.822	O					2.33
26.750	0.00	0.68	1.817	O					2.32
26.833	0.00	0.68	1.812	O					2.32
26.917	0.00	0.68	1.808	O					2.31
27.000	0.00	0.68	1.803	O					2.31
27.083	0.00	0.67	1.798	O					2.30
27.167	0.00	0.67	1.794	O					2.30
27.250	0.00	0.67	1.789	O					2.29
27.333	0.00	0.67	1.784	O					2.29
27.417	0.00	0.67	1.780	O					2.28
27.500	0.00	0.67	1.775	O					2.28
27.583	0.00	0.67	1.771	O					2.27
27.667	0.00	0.67	1.766	O					2.27
27.750	0.00	0.67	1.761	O					2.26
27.833	0.00	0.67	1.757	O					2.26
27.917	0.00	0.67	1.752	O					2.25
28.000	0.00	0.66	1.748	O					2.25
28.083	0.00	0.66	1.743	O					2.24
28.167	0.00	0.66	1.738	O					2.24
28.250	0.00	0.66	1.734	O					2.23
28.333	0.00	0.66	1.729	O					2.23

28.417	0.00	0.66	1.725	O	|	|	|	|	2.22
28.500	0.00	0.66	1.720	O	|	|	|	|	2.22
28.583	0.00	0.66	1.716	O	|	|	|	|	2.21
28.667	0.00	0.66	1.711	O	|	|	|	|	2.21
28.750	0.00	0.66	1.707	O	|	|	|	|	2.20
28.833	0.00	0.66	1.702	O	|	|	|	|	2.20
28.917	0.00	0.65	1.698	O	|	|	|	|	2.19
29.000	0.00	0.65	1.693	O	|	|	|	|	2.19
29.083	0.00	0.65	1.689	O	|	|	|	|	2.18
29.167	0.00	0.65	1.684	O	|	|	|	|	2.18
29.250	0.00	0.65	1.680	O	|	|	|	|	2.17
29.333	0.00	0.65	1.675	O	|	|	|	|	2.17
29.417	0.00	0.65	1.671	O	|	|	|	|	2.16
29.500	0.00	0.65	1.666	O	|	|	|	|	2.16
29.583	0.00	0.65	1.662	O	|	|	|	|	2.15
29.667	0.00	0.65	1.657	O	|	|	|	|	2.15
29.750	0.00	0.65	1.653	O	|	|	|	|	2.14
29.833	0.00	0.65	1.648	O	|	|	|	|	2.14
29.917	0.00	0.64	1.644	O	|	|	|	|	2.13
30.000	0.00	0.64	1.639	O	|	|	|	|	2.13
30.083	0.00	0.64	1.635	O	|	|	|	|	2.13
30.167	0.00	0.64	1.631	O	|	|	|	|	2.12
30.250	0.00	0.64	1.626	O	|	|	|	|	2.12
30.333	0.00	0.64	1.622	O	|	|	|	|	2.11
30.417	0.00	0.64	1.617	O	|	|	|	|	2.11
30.500	0.00	0.64	1.613	O	|	|	|	|	2.10
30.583	0.00	0.64	1.609	O	|	|	|	|	2.10
30.667	0.00	0.64	1.604	O	|	|	|	|	2.09
30.750	0.00	0.64	1.600	O	|	|	|	|	2.09
30.833	0.00	0.63	1.595	O	|	|	|	|	2.08
30.917	0.00	0.63	1.591	O	|	|	|	|	2.08
31.000	0.00	0.63	1.587	O	|	|	|	|	2.07
31.083	0.00	0.63	1.582	O	|	|	|	|	2.07
31.167	0.00	0.63	1.578	O	|	|	|	|	2.06
31.250	0.00	0.63	1.574	O	|	|	|	|	2.06
31.333	0.00	0.63	1.569	O	|	|	|	|	2.05
31.417	0.00	0.63	1.565	O	|	|	|	|	2.05
31.500	0.00	0.63	1.561	O	|	|	|	|	2.04
31.583	0.00	0.63	1.556	O	|	|	|	|	2.04
31.667	0.00	0.63	1.552	O	|	|	|	|	2.03
31.750	0.00	0.63	1.548	O	|	|	|	|	2.03
31.833	0.00	0.62	1.543	O	|	|	|	|	2.03
31.917	0.00	0.62	1.539	O	|	|	|	|	2.02
32.000	0.00	0.62	1.535	O	|	|	|	|	2.02
32.083	0.00	0.62	1.531	O	|	|	|	|	2.01
32.167	0.00	0.62	1.526	O	|	|	|	|	2.01
32.250	0.00	0.62	1.522	O	|	|	|	|	2.00
32.333	0.00	0.62	1.518	O	|	|	|	|	2.00
32.417	0.00	0.62	1.513	O	|	|	|	|	1.99
32.500	0.00	0.62	1.509	O	|	|	|	|	1.99
32.583	0.00	0.62	1.505	O	|	|	|	|	1.98
32.667	0.00	0.61	1.501	O	|	|	|	|	1.98
32.750	0.00	0.61	1.497	O	|	|	|	|	1.97
32.833	0.00	0.61	1.492	O	|	|	|	|	1.97
32.917	0.00	0.61	1.488	O	|	|	|	|	1.96
33.000	0.00	0.61	1.484	O	|	|	|	|	1.96
33.083	0.00	0.61	1.480	O	|	|	|	|	1.95
33.167	0.00	0.61	1.476	O	|	|	|	|	1.95
33.250	0.00	0.60	1.471	O	|	|	|	|	1.94
33.333	0.00	0.60	1.467	O	|	|	|	|	1.93
33.417	0.00	0.60	1.463	O	|	|	|	|	1.93
33.500	0.00	0.60	1.459	O	|	|	|	|	1.92
33.583	0.00	0.60	1.455	O	|	|	|	|	1.92
33.667	0.00	0.60	1.451	O	|	|	|	|	1.91
33.750	0.00	0.60	1.447	O	|	|	|	|	1.91
33.833	0.00	0.60	1.442	O	|	|	|	|	1.90
33.917	0.00	0.59	1.438	O	|	|	|	|	1.90

34.000	0.00	0.59	1.434	O	|	|	|	1.89
34.083	0.00	0.59	1.430	O	|	|	|	1.89
34.167	0.00	0.59	1.426	O	|	|	|	1.88
34.250	0.00	0.59	1.422	O	|	|	|	1.88
34.333	0.00	0.59	1.418	O	|	|	|	1.87
34.417	0.00	0.59	1.414	O	|	|	|	1.87
34.500	0.00	0.58	1.410	O	|	|	|	1.86
34.583	0.00	0.58	1.406	O	|	|	|	1.86
34.667	0.00	0.58	1.402	O	|	|	|	1.85
34.750	0.00	0.58	1.398	O	|	|	|	1.85
34.833	0.00	0.58	1.394	O	|	|	|	1.84
34.917	0.00	0.58	1.390	O	|	|	|	1.84
35.000	0.00	0.58	1.386	O	|	|	|	1.83
35.083	0.00	0.58	1.382	O	|	|	|	1.83
35.167	0.00	0.57	1.378	O	|	|	|	1.82
35.250	0.00	0.57	1.374	O	|	|	|	1.82
35.333	0.00	0.57	1.370	O	|	|	|	1.81
35.417	0.00	0.57	1.366	O	|	|	|	1.81
35.500	0.00	0.57	1.362	O	|	|	|	1.81
35.583	0.00	0.57	1.358	O	|	|	|	1.80
35.667	0.00	0.57	1.354	O	|	|	|	1.80
35.750	0.00	0.57	1.351	O	|	|	|	1.79
35.833	0.00	0.56	1.347	O	|	|	|	1.79
35.917	0.00	0.56	1.343	O	|	|	|	1.78
36.000	0.00	0.56	1.339	O	|	|	|	1.78
36.083	0.00	0.56	1.335	O	|	|	|	1.77
36.167	0.00	0.56	1.331	O	|	|	|	1.77
36.250	0.00	0.56	1.327	O	|	|	|	1.76
36.333	0.00	0.56	1.323	O	|	|	|	1.76
36.417	0.00	0.56	1.320	O	|	|	|	1.75
36.500	0.00	0.55	1.316	O	|	|	|	1.75
36.583	0.00	0.55	1.312	O	|	|	|	1.74
36.667	0.00	0.55	1.308	O	|	|	|	1.74
36.750	0.00	0.55	1.304	O	|	|	|	1.73
36.833	0.00	0.55	1.301	O	|	|	|	1.73
36.917	0.00	0.55	1.297	O	|	|	|	1.72
37.000	0.00	0.55	1.293	O	|	|	|	1.72
37.083	0.00	0.55	1.289	O	|	|	|	1.72
37.167	0.00	0.54	1.286	O	|	|	|	1.71
37.250	0.00	0.54	1.282	O	|	|	|	1.71
37.333	0.00	0.54	1.278	O	|	|	|	1.70
37.417	0.00	0.54	1.274	O	|	|	|	1.70
37.500	0.00	0.54	1.271	O	|	|	|	1.69
37.583	0.00	0.54	1.267	O	|	|	|	1.69
37.667	0.00	0.54	1.263	O	|	|	|	1.68
37.750	0.00	0.54	1.259	O	|	|	|	1.68
37.833	0.00	0.54	1.256	O	|	|	|	1.67
37.917	0.00	0.53	1.252	O	|	|	|	1.67
38.000	0.00	0.53	1.248	O	|	|	|	1.66
38.083	0.00	0.53	1.245	O	|	|	|	1.66
38.167	0.00	0.53	1.241	O	|	|	|	1.66
38.250	0.00	0.53	1.237	O	|	|	|	1.65
38.333	0.00	0.53	1.234	O	|	|	|	1.65
38.417	0.00	0.53	1.230	O	|	|	|	1.64
38.500	0.00	0.53	1.227	O	|	|	|	1.64
38.583	0.00	0.52	1.223	O	|	|	|	1.63
38.667	0.00	0.52	1.219	O	|	|	|	1.63
38.750	0.00	0.52	1.216	O	|	|	|	1.62
38.833	0.00	0.52	1.212	O	|	|	|	1.62
38.917	0.00	0.52	1.209	O	|	|	|	1.62
39.000	0.00	0.52	1.205	O	|	|	|	1.61
39.083	0.00	0.52	1.201	O	|	|	|	1.61
39.167	0.00	0.52	1.198	O	|	|	|	1.60
39.250	0.00	0.52	1.194	O	|	|	|	1.60
39.333	0.00	0.51	1.191	O	|	|	|	1.59
39.417	0.00	0.51	1.187	O	|	|	|	1.59
39.500	0.00	0.51	1.184	O	|	|	|	1.58

39.583	0.00	0.51	1.180	O	|	|	|	|	1.58
39.667	0.00	0.51	1.177	O	|	|	|	|	1.58
39.750	0.00	0.51	1.173	O	|	|	|	|	1.57
39.833	0.00	0.51	1.170	O	|	|	|	|	1.57
39.917	0.00	0.51	1.166	O	|	|	|	|	1.56
40.000	0.00	0.51	1.163	O	|	|	|	|	1.56
40.083	0.00	0.50	1.159	O	|	|	|	|	1.55
40.167	0.00	0.50	1.156	O	|	|	|	|	1.55
40.250	0.00	0.50	1.152	O	|	|	|	|	1.55
40.333	0.00	0.50	1.149	O	|	|	|	|	1.54
40.417	0.00	0.50	1.145	O	|	|	|	|	1.54
40.500	0.00	0.50	1.142	O	|	|	|	|	1.53
40.583	0.00	0.50	1.138	O	|	|	|	|	1.53
40.667	0.00	0.50	1.135	O	|	|	|	|	1.52
40.750	0.00	0.50	1.132	O	|	|	|	|	1.52
40.833	0.00	0.49	1.128	O	|	|	|	|	1.52
40.917	0.00	0.49	1.125	O	|	|	|	|	1.51
41.000	0.00	0.49	1.121	O	|	|	|	|	1.51
41.083	0.00	0.49	1.118	O	|	|	|	|	1.50
41.167	0.00	0.49	1.115	O	|	|	|	|	1.50
41.250	0.00	0.49	1.111	O	|	|	|	|	1.50
41.333	0.00	0.49	1.108	O	|	|	|	|	1.49
41.417	0.00	0.49	1.105	O	|	|	|	|	1.49
41.500	0.00	0.49	1.101	O	|	|	|	|	1.48
41.583	0.00	0.48	1.098	O	|	|	|	|	1.48
41.667	0.00	0.48	1.095	O	|	|	|	|	1.47
41.750	0.00	0.48	1.091	O	|	|	|	|	1.47
41.833	0.00	0.48	1.088	O	|	|	|	|	1.47
41.917	0.00	0.48	1.085	O	|	|	|	|	1.46
42.000	0.00	0.48	1.081	O	|	|	|	|	1.46
42.083	0.00	0.48	1.078	O	|	|	|	|	1.45
42.167	0.00	0.48	1.075	O	|	|	|	|	1.45
42.250	0.00	0.48	1.071	O	|	|	|	|	1.45
42.333	0.00	0.47	1.068	O	|	|	|	|	1.44
42.417	0.00	0.47	1.065	O	|	|	|	|	1.44
42.500	0.00	0.47	1.062	O	|	|	|	|	1.43
42.583	0.00	0.47	1.058	O	|	|	|	|	1.43
42.667	0.00	0.47	1.055	O	|	|	|	|	1.43
42.750	0.00	0.47	1.052	O	|	|	|	|	1.42
42.833	0.00	0.47	1.049	O	|	|	|	|	1.42
42.917	0.00	0.47	1.045	O	|	|	|	|	1.41
43.000	0.00	0.47	1.042	O	|	|	|	|	1.41
43.083	0.00	0.47	1.039	O	|	|	|	|	1.41
43.167	0.00	0.46	1.036	O	|	|	|	|	1.40
43.250	0.00	0.46	1.033	O	|	|	|	|	1.40
43.333	0.00	0.46	1.029	O	|	|	|	|	1.39
43.417	0.00	0.46	1.026	O	|	|	|	|	1.39
43.500	0.00	0.46	1.023	O	|	|	|	|	1.39
43.583	0.00	0.46	1.020	O	|	|	|	|	1.38
43.667	0.00	0.46	1.017	O	|	|	|	|	1.38
43.750	0.00	0.46	1.014	O	|	|	|	|	1.37
43.833	0.00	0.46	1.010	O	|	|	|	|	1.37
43.917	0.00	0.46	1.007	O	|	|	|	|	1.37
44.000	0.00	0.45	1.004	O	|	|	|	|	1.36
44.083	0.00	0.45	1.001	O	|	|	|	|	1.36
44.167	0.00	0.45	0.998	O	|	|	|	|	1.36
44.250	0.00	0.45	0.995	O	|	|	|	|	1.35
44.333	0.00	0.45	0.992	O	|	|	|	|	1.35
44.417	0.00	0.45	0.989	O	|	|	|	|	1.34
44.500	0.00	0.45	0.986	O	|	|	|	|	1.34
44.583	0.00	0.45	0.982	O	|	|	|	|	1.34
44.667	0.00	0.45	0.979	O	|	|	|	|	1.33
44.750	0.00	0.45	0.976	O	|	|	|	|	1.33
44.833	0.00	0.44	0.973	O	|	|	|	|	1.32
44.917	0.00	0.44	0.970	O	|	|	|	|	1.32
45.000	0.00	0.44	0.967	O	|	|	|	|	1.32
45.083	0.00	0.44	0.964	O	|	|	|	|	1.31

45.167	0.00	0.44	0.961	O	|	|	|	|	1.31
45.250	0.00	0.44	0.958	O	|	|	|	|	1.31
45.333	0.00	0.44	0.955	O	|	|	|	|	1.30
45.417	0.00	0.44	0.952	O	|	|	|	|	1.30
45.500	0.00	0.44	0.949	O	|	|	|	|	1.30
45.583	0.00	0.44	0.946	O	|	|	|	|	1.29
45.667	0.00	0.43	0.943	O	|	|	|	|	1.29
45.750	0.00	0.43	0.940	O	|	|	|	|	1.28
45.833	0.00	0.43	0.937	O	|	|	|	|	1.28
45.917	0.00	0.43	0.934	O	|	|	|	|	1.28
46.000	0.00	0.43	0.931	O	|	|	|	|	1.27
46.083	0.00	0.43	0.928	O	|	|	|	|	1.27
46.167	0.00	0.43	0.925	O	|	|	|	|	1.27
46.250	0.00	0.43	0.922	O	|	|	|	|	1.26
46.333	0.00	0.43	0.919	O	|	|	|	|	1.26
46.417	0.00	0.43	0.916	O	|	|	|	|	1.25
46.500	0.00	0.43	0.913	O	|	|	|	|	1.25
46.583	0.00	0.42	0.910	O	|	|	|	|	1.25
46.667	0.00	0.42	0.907	O	|	|	|	|	1.24
46.750	0.00	0.42	0.905	O	|	|	|	|	1.24
46.833	0.00	0.42	0.902	O	|	|	|	|	1.24
46.917	0.00	0.42	0.899	O	|	|	|	|	1.23
47.000	0.00	0.42	0.896	O	|	|	|	|	1.23
47.083	0.00	0.42	0.893	O	|	|	|	|	1.23
47.167	0.00	0.42	0.890	O	|	|	|	|	1.22
47.250	0.00	0.42	0.887	O	|	|	|	|	1.22
47.333	0.00	0.42	0.884	O	|	|	|	|	1.22
47.417	0.00	0.42	0.882	O	|	|	|	|	1.21
47.500	0.00	0.41	0.879	O	|	|	|	|	1.21
47.583	0.00	0.41	0.876	O	|	|	|	|	1.20
47.667	0.00	0.41	0.873	O	|	|	|	|	1.20
47.750	0.00	0.41	0.870	O	|	|	|	|	1.20
47.833	0.00	0.41	0.867	O	|	|	|	|	1.19
47.917	0.00	0.41	0.864	O	|	|	|	|	1.19
48.000	0.00	0.41	0.862	O	|	|	|	|	1.19
48.083	0.00	0.41	0.859	O	|	|	|	|	1.18
48.167	0.00	0.41	0.856	O	|	|	|	|	1.18
48.250	0.00	0.41	0.853	O	|	|	|	|	1.18
48.333	0.00	0.41	0.850	O	|	|	|	|	1.17
48.417	0.00	0.40	0.848	O	|	|	|	|	1.17
48.500	0.00	0.40	0.845	O	|	|	|	|	1.17
48.583	0.00	0.40	0.842	O	|	|	|	|	1.16
48.667	0.00	0.40	0.839	O	|	|	|	|	1.16
48.750	0.00	0.40	0.837	O	|	|	|	|	1.16
48.833	0.00	0.40	0.834	O	|	|	|	|	1.15
48.917	0.00	0.40	0.831	O	|	|	|	|	1.15
49.000	0.00	0.40	0.828	O	|	|	|	|	1.15
49.083	0.00	0.40	0.826	O	|	|	|	|	1.14
49.167	0.00	0.40	0.823	O	|	|	|	|	1.14
49.250	0.00	0.40	0.820	O	|	|	|	|	1.14
49.333	0.00	0.39	0.817	O	|	|	|	|	1.13
49.417	0.00	0.39	0.815	O	|	|	|	|	1.13
49.500	0.00	0.39	0.812	O	|	|	|	|	1.13
49.583	0.00	0.39	0.809	O	|	|	|	|	1.12
49.667	0.00	0.39	0.807	O	|	|	|	|	1.12
49.750	0.00	0.39	0.804	O	|	|	|	|	1.12
49.833	0.00	0.39	0.801	O	|	|	|	|	1.11
49.917	0.00	0.39	0.799	O	|	|	|	|	1.11
50.000	0.00	0.39	0.796	O	|	|	|	|	1.11
50.083	0.00	0.39	0.793	O	|	|	|	|	1.10
50.167	0.00	0.39	0.791	O	|	|	|	|	1.10
50.250	0.00	0.38	0.788	O	|	|	|	|	1.10
50.333	0.00	0.38	0.785	O	|	|	|	|	1.09
50.417	0.00	0.38	0.783	O	|	|	|	|	1.09
50.500	0.00	0.38	0.780	O	|	|	|	|	1.09
50.583	0.00	0.38	0.777	O	|	|	|	|	1.08
50.667	0.00	0.38	0.775	O	|	|	|	|	1.08

50.750	0.00	0.38	0.772	O	|	|	|	1.08
50.833	0.00	0.38	0.769	O	|	|	|	1.07
50.917	0.00	0.38	0.767	O	|	|	|	1.07
51.000	0.00	0.38	0.764	O	|	|	|	1.07
51.083	0.00	0.38	0.762	O	|	|	|	1.06
51.167	0.00	0.38	0.759	O	|	|	|	1.06
51.250	0.00	0.37	0.756	O	|	|	|	1.06
51.333	0.00	0.37	0.754	O	|	|	|	1.05
51.417	0.00	0.37	0.751	O	|	|	|	1.05
51.500	0.00	0.37	0.749	O	|	|	|	1.05
51.583	0.00	0.37	0.746	O	|	|	|	1.04
51.667	0.00	0.37	0.744	O	|	|	|	1.04
51.750	0.00	0.37	0.741	O	|	|	|	1.04
51.833	0.00	0.37	0.739	O	|	|	|	1.04
51.917	0.00	0.37	0.736	O	|	|	|	1.03
52.000	0.00	0.37	0.733	O	|	|	|	1.03
52.083	0.00	0.37	0.731	O	|	|	|	1.03
52.167	0.00	0.37	0.728	O	|	|	|	1.02
52.250	0.00	0.37	0.726	O	|	|	|	1.02
52.333	0.00	0.36	0.723	O	|	|	|	1.02
52.417	0.00	0.36	0.721	O	|	|	|	1.01
52.500	0.00	0.36	0.718	O	|	|	|	1.01
52.583	0.00	0.36	0.716	O	|	|	|	1.01
52.667	0.00	0.36	0.713	O	|	|	|	1.00
52.750	0.00	0.36	0.711	O	|	|	|	1.00
52.833	0.00	0.36	0.708	O	|	|	|	1.00
52.917	0.00	0.36	0.706	O	|	|	|	0.99
53.000	0.00	0.36	0.704	O	|	|	|	0.99
53.083	0.00	0.36	0.701	O	|	|	|	0.99
53.167	0.00	0.35	0.699	O	|	|	|	0.98
53.250	0.00	0.35	0.696	O	|	|	|	0.98
53.333	0.00	0.35	0.694	O	|	|	|	0.98
53.417	0.00	0.35	0.691	O	|	|	|	0.97
53.500	0.00	0.35	0.689	O	|	|	|	0.97
53.583	0.00	0.35	0.687	O	|	|	|	0.97
53.667	0.00	0.35	0.684	O	|	|	|	0.96
53.750	0.00	0.35	0.682	O	|	|	|	0.96
53.833	0.00	0.34	0.679	O	|	|	|	0.96
53.917	0.00	0.34	0.677	O	|	|	|	0.95
54.000	0.00	0.34	0.675	O	|	|	|	0.95
54.083	0.00	0.34	0.672	O	|	|	|	0.95
54.167	0.00	0.34	0.670	O	|	|	|	0.94
54.250	0.00	0.34	0.668	O	|	|	|	0.94
54.333	0.00	0.34	0.665	O	|	|	|	0.94
54.417	0.00	0.34	0.663	O	|	|	|	0.93
54.500	0.00	0.33	0.661	O	|	|	|	0.93
54.583	0.00	0.33	0.658	O	|	|	|	0.93
54.667	0.00	0.33	0.656	O	|	|	|	0.92
54.750	0.00	0.33	0.654	O	|	|	|	0.92
54.833	0.00	0.33	0.651	O	|	|	|	0.92
54.917	0.00	0.33	0.649	O	|	|	|	0.91
55.000	0.00	0.33	0.647	O	|	|	|	0.91
55.083	0.00	0.33	0.645	O	|	|	|	0.91
55.167	0.00	0.33	0.642	O	|	|	|	0.90
55.250	0.00	0.32	0.640	O	|	|	|	0.90
55.333	0.00	0.32	0.638	O	|	|	|	0.90
55.417	0.00	0.32	0.636	O	|	|	|	0.90
55.500	0.00	0.32	0.634	O	|	|	|	0.89
55.583	0.00	0.32	0.631	O	|	|	|	0.89
55.667	0.00	0.32	0.629	O	|	|	|	0.89
55.750	0.00	0.32	0.627	O	|	|	|	0.88
55.833	0.00	0.32	0.625	O	|	|	|	0.88
55.917	0.00	0.32	0.623	O	|	|	|	0.88
56.000	0.00	0.31	0.620	O	|	|	|	0.87
56.083	0.00	0.31	0.618	O	|	|	|	0.87
56.167	0.00	0.31	0.616	O	|	|	|	0.87
56.250	0.00	0.31	0.614	O	|	|	|	0.86

56.333	0.00	0.31	0.612	O	|	|	|	|	0.86
56.417	0.00	0.31	0.610	O	|	|	|	|	0.86
56.500	0.00	0.31	0.608	O	|	|	|	|	0.86
56.583	0.00	0.31	0.605	O	|	|	|	|	0.85
56.667	0.00	0.31	0.603	O	|	|	|	|	0.85
56.750	0.00	0.30	0.601	O	|	|	|	|	0.85
56.833	0.00	0.30	0.599	O	|	|	|	|	0.84
56.917	0.00	0.30	0.597	O	|	|	|	|	0.84
57.000	0.00	0.30	0.595	O	|	|	|	|	0.84
57.083	0.00	0.30	0.593	O	|	|	|	|	0.84
57.167	0.00	0.30	0.591	O	|	|	|	|	0.83
57.250	0.00	0.30	0.589	O	|	|	|	|	0.83
57.333	0.00	0.30	0.587	O	|	|	|	|	0.83
57.417	0.00	0.30	0.585	O	|	|	|	|	0.82
57.500	0.00	0.30	0.583	O	|	|	|	|	0.82
57.583	0.00	0.29	0.581	O	|	|	|	|	0.82
57.667	0.00	0.29	0.579	O	|	|	|	|	0.81
57.750	0.00	0.29	0.577	O	|	|	|	|	0.81
57.833	0.00	0.29	0.575	O	|	|	|	|	0.81
57.917	0.00	0.29	0.573	O	|	|	|	|	0.81
58.000	0.00	0.29	0.571	O	|	|	|	|	0.80
58.083	0.00	0.29	0.569	O	|	|	|	|	0.80
58.167	0.00	0.29	0.567	O	|	|	|	|	0.80
58.250	0.00	0.29	0.565	O	|	|	|	|	0.80
58.333	0.00	0.29	0.563	O	|	|	|	|	0.79
58.417	0.00	0.28	0.561	O	|	|	|	|	0.79
58.500	0.00	0.28	0.559	O	|	|	|	|	0.79
58.583	0.00	0.28	0.557	O	|	|	|	|	0.78
58.667	0.00	0.28	0.555	O	|	|	|	|	0.78
58.750	0.00	0.28	0.553	O	|	|	|	|	0.78
58.833	0.00	0.28	0.551	O	|	|	|	|	0.78
58.917	0.00	0.28	0.549	O	|	|	|	|	0.77
59.000	0.00	0.28	0.547	O	|	|	|	|	0.77
59.083	0.00	0.28	0.545	O	|	|	|	|	0.77
59.167	0.00	0.28	0.543	O	|	|	|	|	0.77
59.250	0.00	0.27	0.541	O	|	|	|	|	0.76
59.333	0.00	0.27	0.540	O	|	|	|	|	0.76
59.417	0.00	0.27	0.538	O	|	|	|	|	0.76
59.500	0.00	0.27	0.536	O	|	|	|	|	0.75
59.583	0.00	0.27	0.534	O	|	|	|	|	0.75
59.667	0.00	0.27	0.532	O	|	|	|	|	0.75
59.750	0.00	0.27	0.530	O	|	|	|	|	0.75
59.833	0.00	0.27	0.528	O	|	|	|	|	0.74
59.917	0.00	0.27	0.526	O	|	|	|	|	0.74
60.000	0.00	0.27	0.525	O	|	|	|	|	0.74
60.083	0.00	0.27	0.523	O	|	|	|	|	0.74
60.167	0.00	0.26	0.521	O	|	|	|	|	0.73
60.250	0.00	0.26	0.519	O	|	|	|	|	0.73
60.333	0.00	0.26	0.517	O	|	|	|	|	0.73
60.417	0.00	0.26	0.516	O	|	|	|	|	0.73
60.500	0.00	0.26	0.514	O	|	|	|	|	0.72
60.583	0.00	0.26	0.512	O	|	|	|	|	0.72
60.667	0.00	0.26	0.510	O	|	|	|	|	0.72
60.750	0.00	0.26	0.508	O	|	|	|	|	0.72
60.833	0.00	0.26	0.507	O	|	|	|	|	0.71
60.917	0.00	0.26	0.505	O	|	|	|	|	0.71
61.000	0.00	0.26	0.503	O	|	|	|	|	0.71
61.083	0.00	0.25	0.501	O	|	|	|	|	0.71
61.167	0.00	0.25	0.500	O	|	|	|	|	0.70
61.250	0.00	0.25	0.498	O	|	|	|	|	0.70
61.333	0.00	0.25	0.496	O	|	|	|	|	0.70
61.417	0.00	0.25	0.494	O	|	|	|	|	0.70
61.500	0.00	0.25	0.493	O	|	|	|	|	0.69
61.583	0.00	0.25	0.491	O	|	|	|	|	0.69
61.667	0.00	0.25	0.489	O	|	|	|	|	0.69
61.750	0.00	0.25	0.488	O	|	|	|	|	0.69
61.833	0.00	0.25	0.486	O	|	|	|	|	0.68

61.917	0.00	0.25	0.484	O	|	|	|	|	0.68
62.000	0.00	0.24	0.482	O	|	|	|	|	0.68
62.083	0.00	0.24	0.481	O	|	|	|	|	0.68
62.167	0.00	0.24	0.479	O	|	|	|	|	0.67
62.250	0.00	0.24	0.477	O	|	|	|	|	0.67
62.333	0.00	0.24	0.476	O	|	|	|	|	0.67
62.417	0.00	0.24	0.474	O	|	|	|	|	0.67
62.500	0.00	0.24	0.472	O	|	|	|	|	0.67
62.583	0.00	0.24	0.471	O	|	|	|	|	0.66
62.667	0.00	0.24	0.469	O	|	|	|	|	0.66
62.750	0.00	0.24	0.468	O	|	|	|	|	0.66
62.833	0.00	0.24	0.466	O	|	|	|	|	0.66
62.917	0.00	0.24	0.464	O	|	|	|	|	0.65
63.000	0.00	0.23	0.463	O	|	|	|	|	0.65
63.083	0.00	0.23	0.461	O	|	|	|	|	0.65
63.167	0.00	0.23	0.459	O	|	|	|	|	0.65
63.250	0.00	0.23	0.458	O	|	|	|	|	0.64
63.333	0.00	0.23	0.456	O	|	|	|	|	0.64
63.417	0.00	0.23	0.455	O	|	|	|	|	0.64
63.500	0.00	0.23	0.453	O	|	|	|	|	0.64
63.583	0.00	0.23	0.452	O	|	|	|	|	0.64
63.667	0.00	0.23	0.450	O	|	|	|	|	0.63
63.750	0.00	0.23	0.448	O	|	|	|	|	0.63
63.833	0.00	0.23	0.447	O	|	|	|	|	0.63
63.917	0.00	0.23	0.445	O	|	|	|	|	0.63
64.000	0.00	0.22	0.444	O	|	|	|	|	0.62
64.083	0.00	0.22	0.442	O	|	|	|	|	0.62
64.167	0.00	0.22	0.441	O	|	|	|	|	0.62
64.250	0.00	0.22	0.439	O	|	|	|	|	0.62
64.333	0.00	0.22	0.438	O	|	|	|	|	0.62
64.417	0.00	0.22	0.436	O	|	|	|	|	0.61
64.500	0.00	0.22	0.434	O	|	|	|	|	0.61
64.583	0.00	0.22	0.433	O	|	|	|	|	0.61
64.667	0.00	0.22	0.431	O	|	|	|	|	0.61
64.750	0.00	0.22	0.430	O	|	|	|	|	0.61
64.833	0.00	0.22	0.428	O	|	|	|	|	0.60
64.917	0.00	0.22	0.427	O	|	|	|	|	0.60
65.000	0.00	0.22	0.425	O	|	|	|	|	0.60
65.083	0.00	0.21	0.424	O	|	|	|	|	0.60
65.167	0.00	0.21	0.423	O	|	|	|	|	0.60
65.250	0.00	0.21	0.421	O	|	|	|	|	0.59
65.333	0.00	0.21	0.420	O	|	|	|	|	0.59
65.417	0.00	0.21	0.418	O	|	|	|	|	0.59
65.500	0.00	0.21	0.417	O	|	|	|	|	0.59
65.583	0.00	0.21	0.415	O	|	|	|	|	0.58
65.667	0.00	0.21	0.414	O	|	|	|	|	0.58
65.750	0.00	0.21	0.412	O	|	|	|	|	0.58
65.833	0.00	0.21	0.411	O	|	|	|	|	0.58
65.917	0.00	0.21	0.409	O	|	|	|	|	0.58
66.000	0.00	0.21	0.408	O	|	|	|	|	0.57
66.083	0.00	0.21	0.407	O	|	|	|	|	0.57
66.167	0.00	0.21	0.405	O	|	|	|	|	0.57
66.250	0.00	0.20	0.404	O	|	|	|	|	0.57
66.333	0.00	0.20	0.402	O	|	|	|	|	0.57
66.417	0.00	0.20	0.401	O	|	|	|	|	0.56
66.500	0.00	0.20	0.400	O	|	|	|	|	0.56
66.583	0.00	0.20	0.398	O	|	|	|	|	0.56
66.667	0.00	0.20	0.397	O	|	|	|	|	0.56
66.750	0.00	0.20	0.395	O	|	|	|	|	0.56
66.833	0.00	0.20	0.394	O	|	|	|	|	0.55
66.917	0.00	0.20	0.393	O	|	|	|	|	0.55
67.000	0.00	0.20	0.391	O	|	|	|	|	0.55
67.083	0.00	0.20	0.390	O	|	|	|	|	0.55
67.167	0.00	0.20	0.389	O	|	|	|	|	0.55
67.250	0.00	0.20	0.387	O	|	|	|	|	0.55
67.333	0.00	0.20	0.386	O	|	|	|	|	0.54
67.417	0.00	0.19	0.385	O	|	|	|	|	0.54

67.500	0.00	0.19	0.383	O	|	|	|	0.54
67.583	0.00	0.19	0.382	O	|	|	|	0.54
67.667	0.00	0.19	0.380	O	|	|	|	0.54
67.750	0.00	0.19	0.379	O	|	|	|	0.53
67.833	0.00	0.19	0.378	O	|	|	|	0.53
67.917	0.00	0.19	0.377	O	|	|	|	0.53
68.000	0.00	0.19	0.375	O	|	|	|	0.53
68.083	0.00	0.19	0.374	O	|	|	|	0.53
68.167	0.00	0.19	0.373	O	|	|	|	0.52
68.250	0.00	0.19	0.371	O	|	|	|	0.52
68.333	0.00	0.19	0.370	O	|	|	|	0.52
68.417	0.00	0.19	0.369	O	|	|	|	0.52
68.500	0.00	0.19	0.367	O	|	|	|	0.52
68.583	0.00	0.19	0.366	O	|	|	|	0.52
68.667	0.00	0.19	0.365	O	|	|	|	0.51
68.750	0.00	0.18	0.364	O	|	|	|	0.51
68.833	0.00	0.18	0.362	O	|	|	|	0.51
68.917	0.00	0.18	0.361	O	|	|	|	0.51
69.000	0.00	0.18	0.360	O	|	|	|	0.51
69.083	0.00	0.18	0.359	O	|	|	|	0.51
69.167	0.00	0.18	0.357	O	|	|	|	0.50
69.250	0.00	0.18	0.356	O	|	|	|	0.50
69.333	0.00	0.18	0.355	O	|	|	|	0.50
69.417	0.00	0.18	0.354	O	|	|	|	0.50
69.500	0.00	0.18	0.352	O	|	|	|	0.50
69.583	0.00	0.18	0.351	O	|	|	|	0.49
69.667	0.00	0.18	0.350	O	|	|	|	0.49
69.750	0.00	0.18	0.349	O	|	|	|	0.49
69.833	0.00	0.18	0.347	O	|	|	|	0.49
69.917	0.00	0.18	0.346	O	|	|	|	0.49
70.000	0.00	0.17	0.345	O	|	|	|	0.49
70.083	0.00	0.17	0.344	O	|	|	|	0.48
70.167	0.00	0.17	0.343	O	|	|	|	0.48
70.250	0.00	0.17	0.341	O	|	|	|	0.48
70.333	0.00	0.17	0.340	O	|	|	|	0.48
70.417	0.00	0.17	0.339	O	|	|	|	0.48
70.500	0.00	0.17	0.338	O	|	|	|	0.48
70.583	0.00	0.17	0.337	O	|	|	|	0.47
70.667	0.00	0.17	0.336	O	|	|	|	0.47
70.750	0.00	0.17	0.334	O	|	|	|	0.47
70.833	0.00	0.17	0.333	O	|	|	|	0.47
70.917	0.00	0.17	0.332	O	|	|	|	0.47
71.000	0.00	0.17	0.331	O	|	|	|	0.47
71.083	0.00	0.17	0.330	O	|	|	|	0.46
71.167	0.00	0.17	0.329	O	|	|	|	0.46
71.250	0.00	0.17	0.327	O	|	|	|	0.46
71.333	0.00	0.17	0.326	O	|	|	|	0.46
71.417	0.00	0.16	0.325	O	|	|	|	0.46
71.500	0.00	0.16	0.324	O	|	|	|	0.46
71.583	0.00	0.16	0.323	O	|	|	|	0.45
71.667	0.00	0.16	0.322	O	|	|	|	0.45
71.750	0.00	0.16	0.321	O	|	|	|	0.45
71.833	0.00	0.16	0.320	O	|	|	|	0.45
71.917	0.00	0.16	0.318	O	|	|	|	0.45
72.000	0.00	0.16	0.317	O	|	|	|	0.45
72.083	0.00	0.16	0.316	O	|	|	|	0.45
72.167	0.00	0.16	0.315	O	|	|	|	0.44
72.250	0.00	0.16	0.314	O	|	|	|	0.44
72.333	0.00	0.16	0.313	O	|	|	|	0.44
72.417	0.00	0.16	0.312	O	|	|	|	0.44
72.500	0.00	0.16	0.311	O	|	|	|	0.44
72.583	0.00	0.16	0.310	O	|	|	|	0.44
72.667	0.00	0.16	0.309	O	|	|	|	0.43
72.750	0.00	0.16	0.307	O	|	|	|	0.43
72.833	0.00	0.16	0.306	O	|	|	|	0.43
72.917	0.00	0.15	0.305	O	|	|	|	0.43
73.000	0.00	0.15	0.304	O	|	|	|	0.43

73.083	0.00	0.15	0.303	O	|	|	|	|	0.43
73.167	0.00	0.15	0.302	O	|	|	|	|	0.43
73.250	0.00	0.15	0.301	O	|	|	|	|	0.42
73.333	0.00	0.15	0.300	O	|	|	|	|	0.42
73.417	0.00	0.15	0.299	O	|	|	|	|	0.42
73.500	0.00	0.15	0.298	O	|	|	|	|	0.42
73.583	0.00	0.15	0.297	O	|	|	|	|	0.42
73.667	0.00	0.15	0.296	O	|	|	|	|	0.42
73.750	0.00	0.15	0.295	O	|	|	|	|	0.42
73.833	0.00	0.15	0.294	O	|	|	|	|	0.41
73.917	0.00	0.15	0.293	O	|	|	|	|	0.41
74.000	0.00	0.15	0.292	O	|	|	|	|	0.41
74.083	0.00	0.15	0.291	O	|	|	|	|	0.41
74.167	0.00	0.15	0.290	O	|	|	|	|	0.41
74.250	0.00	0.15	0.289	O	|	|	|	|	0.41
74.333	0.00	0.15	0.288	O	|	|	|	|	0.41
74.417	0.00	0.15	0.287	O	|	|	|	|	0.40
74.500	0.00	0.14	0.286	O	|	|	|	|	0.40
74.583	0.00	0.14	0.285	O	|	|	|	|	0.40
74.667	0.00	0.14	0.284	O	|	|	|	|	0.40
74.750	0.00	0.14	0.283	O	|	|	|	|	0.40
74.833	0.00	0.14	0.282	O	|	|	|	|	0.40
74.917	0.00	0.14	0.281	O	|	|	|	|	0.40
75.000	0.00	0.14	0.280	O	|	|	|	|	0.39
75.083	0.00	0.14	0.279	O	|	|	|	|	0.39
75.167	0.00	0.14	0.278	O	|	|	|	|	0.39
75.250	0.00	0.14	0.277	O	|	|	|	|	0.39
75.333	0.00	0.14	0.276	O	|	|	|	|	0.39
75.417	0.00	0.14	0.275	O	|	|	|	|	0.39
75.500	0.00	0.14	0.274	O	|	|	|	|	0.39
75.583	0.00	0.14	0.273	O	|	|	|	|	0.38
75.667	0.00	0.14	0.272	O	|	|	|	|	0.38
75.750	0.00	0.14	0.271	O	|	|	|	|	0.38
75.833	0.00	0.14	0.270	O	|	|	|	|	0.38
75.917	0.00	0.14	0.269	O	|	|	|	|	0.38
76.000	0.00	0.14	0.268	O	|	|	|	|	0.38
76.083	0.00	0.14	0.267	O	|	|	|	|	0.38
76.167	0.00	0.14	0.266	O	|	|	|	|	0.38
76.250	0.00	0.13	0.266	O	|	|	|	|	0.37
76.333	0.00	0.13	0.265	O	|	|	|	|	0.37
76.417	0.00	0.13	0.264	O	|	|	|	|	0.37
76.500	0.00	0.13	0.263	O	|	|	|	|	0.37
76.583	0.00	0.13	0.262	O	|	|	|	|	0.37
76.667	0.00	0.13	0.261	O	|	|	|	|	0.37
76.750	0.00	0.13	0.260	O	|	|	|	|	0.37
76.833	0.00	0.13	0.259	O	|	|	|	|	0.36
76.917	0.00	0.13	0.258	O	|	|	|	|	0.36
77.000	0.00	0.13	0.257	O	|	|	|	|	0.36
77.083	0.00	0.13	0.256	O	|	|	|	|	0.36
77.167	0.00	0.13	0.256	O	|	|	|	|	0.36
77.250	0.00	0.13	0.255	O	|	|	|	|	0.36
77.333	0.00	0.13	0.254	O	|	|	|	|	0.36
77.417	0.00	0.13	0.253	O	|	|	|	|	0.36
77.500	0.00	0.13	0.252	O	|	|	|	|	0.35
77.583	0.00	0.13	0.251	O	|	|	|	|	0.35
77.667	0.00	0.13	0.250	O	|	|	|	|	0.35
77.750	0.00	0.13	0.249	O	|	|	|	|	0.35
77.833	0.00	0.13	0.249	O	|	|	|	|	0.35
77.917	0.00	0.13	0.248	O	|	|	|	|	0.35
78.000	0.00	0.13	0.247	O	|	|	|	|	0.35
78.083	0.00	0.12	0.246	O	|	|	|	|	0.35
78.167	0.00	0.12	0.245	O	|	|	|	|	0.35
78.250	0.00	0.12	0.244	O	|	|	|	|	0.34
78.333	0.00	0.12	0.243	O	|	|	|	|	0.34
78.417	0.00	0.12	0.243	O	|	|	|	|	0.34
78.500	0.00	0.12	0.242	O	|	|	|	|	0.34
78.583	0.00	0.12	0.241	O	|	|	|	|	0.34

78.667	0.00	0.12	0.240	O	|	|	|	|	0.34
78.750	0.00	0.12	0.239	O	|	|	|	|	0.34
78.833	0.00	0.12	0.238	O	|	|	|	|	0.34
78.917	0.00	0.12	0.237	O	|	|	|	|	0.33
79.000	0.00	0.12	0.237	O	|	|	|	|	0.33
79.083	0.00	0.12	0.236	O	|	|	|	|	0.33
79.167	0.00	0.12	0.235	O	|	|	|	|	0.33
79.250	0.00	0.12	0.234	O	|	|	|	|	0.33
79.333	0.00	0.12	0.233	O	|	|	|	|	0.33
79.417	0.00	0.12	0.233	O	|	|	|	|	0.33
79.500	0.00	0.12	0.232	O	|	|	|	|	0.33
79.583	0.00	0.12	0.231	O	|	|	|	|	0.33
79.667	0.00	0.12	0.230	O	|	|	|	|	0.32
79.750	0.00	0.12	0.229	O	|	|	|	|	0.32
79.833	0.00	0.12	0.229	O	|	|	|	|	0.32
79.917	0.00	0.12	0.228	O	|	|	|	|	0.32
80.000	0.00	0.12	0.227	O	|	|	|	|	0.32
80.083	0.00	0.11	0.226	O	|	|	|	|	0.32
80.167	0.00	0.11	0.225	O	|	|	|	|	0.32
80.250	0.00	0.11	0.225	O	|	|	|	|	0.32
80.333	0.00	0.11	0.224	O	|	|	|	|	0.32
80.417	0.00	0.11	0.223	O	|	|	|	|	0.31
80.500	0.00	0.11	0.222	O	|	|	|	|	0.31
80.583	0.00	0.11	0.221	O	|	|	|	|	0.31
80.667	0.00	0.11	0.221	O	|	|	|	|	0.31
80.750	0.00	0.11	0.220	O	|	|	|	|	0.31
80.833	0.00	0.11	0.219	O	|	|	|	|	0.31
80.917	0.00	0.11	0.218	O	|	|	|	|	0.31
81.000	0.00	0.11	0.218	O	|	|	|	|	0.31
81.083	0.00	0.11	0.217	O	|	|	|	|	0.31
81.167	0.00	0.11	0.216	O	|	|	|	|	0.30
81.250	0.00	0.11	0.215	O	|	|	|	|	0.30
81.333	0.00	0.11	0.215	O	|	|	|	|	0.30
81.417	0.00	0.11	0.214	O	|	|	|	|	0.30
81.500	0.00	0.11	0.213	O	|	|	|	|	0.30
81.583	0.00	0.11	0.212	O	|	|	|	|	0.30
81.667	0.00	0.11	0.212	O	|	|	|	|	0.30
81.750	0.00	0.11	0.211	O	|	|	|	|	0.30
81.833	0.00	0.11	0.210	O	|	|	|	|	0.30
81.917	0.00	0.11	0.209	O	|	|	|	|	0.29
82.000	0.00	0.11	0.209	O	|	|	|	|	0.29
82.083	0.00	0.11	0.208	O	|	|	|	|	0.29
82.167	0.00	0.11	0.207	O	|	|	|	|	0.29
82.250	0.00	0.10	0.207	O	|	|	|	|	0.29
82.333	0.00	0.10	0.206	O	|	|	|	|	0.29
82.417	0.00	0.10	0.205	O	|	|	|	|	0.29
82.500	0.00	0.10	0.204	O	|	|	|	|	0.29
82.583	0.00	0.10	0.204	O	|	|	|	|	0.29
82.667	0.00	0.10	0.203	O	|	|	|	|	0.29
82.750	0.00	0.10	0.202	O	|	|	|	|	0.28
82.833	0.00	0.10	0.202	O	|	|	|	|	0.28
82.917	0.00	0.10	0.201	O	|	|	|	|	0.28
83.000	0.00	0.10	0.200	O	|	|	|	|	0.28
83.083	0.00	0.10	0.199	O	|	|	|	|	0.28
83.167	0.00	0.10	0.199	O	|	|	|	|	0.28
83.250	0.00	0.10	0.198	O	|	|	|	|	0.28
83.333	0.00	0.10	0.197	O	|	|	|	|	0.28
83.417	0.00	0.10	0.197	O	|	|	|	|	0.28
83.500	0.00	0.10	0.196	O	|	|	|	|	0.28
83.583	0.00	0.10	0.195	O	|	|	|	|	0.28
83.667	0.00	0.10	0.195	O	|	|	|	|	0.27
83.750	0.00	0.10	0.194	O	|	|	|	|	0.27
83.833	0.00	0.10	0.193	O	|	|	|	|	0.27
83.917	0.00	0.10	0.193	O	|	|	|	|	0.27
84.000	0.00	0.10	0.192	O	|	|	|	|	0.27
84.083	0.00	0.10	0.191	O	|	|	|	|	0.27
84.167	0.00	0.10	0.191	O	|	|	|	|	0.27

84.250	0.00	0.10	0.190	O	|	|	|	|	0.27
84.333	0.00	0.10	0.189	O	|	|	|	|	0.27
84.417	0.00	0.10	0.189	O	|	|	|	|	0.27
84.500	0.00	0.10	0.188	O	|	|	|	|	0.26
84.583	0.00	0.09	0.187	O	|	|	|	|	0.26
84.667	0.00	0.09	0.187	O	|	|	|	|	0.26
84.750	0.00	0.09	0.186	O	|	|	|	|	0.26
84.833	0.00	0.09	0.185	O	|	|	|	|	0.26
84.917	0.00	0.09	0.185	O	|	|	|	|	0.26
85.000	0.00	0.09	0.184	O	|	|	|	|	0.26
85.083	0.00	0.09	0.183	O	|	|	|	|	0.26
85.167	0.00	0.09	0.183	O	|	|	|	|	0.26
85.250	0.00	0.09	0.182	O	|	|	|	|	0.26
85.333	0.00	0.09	0.181	O	|	|	|	|	0.26
85.417	0.00	0.09	0.181	O	|	|	|	|	0.25
85.500	0.00	0.09	0.180	O	|	|	|	|	0.25
85.583	0.00	0.09	0.180	O	|	|	|	|	0.25
85.667	0.00	0.09	0.179	O	|	|	|	|	0.25
85.750	0.00	0.09	0.178	O	|	|	|	|	0.25
85.833	0.00	0.09	0.178	O	|	|	|	|	0.25
85.917	0.00	0.09	0.177	O	|	|	|	|	0.25
86.000	0.00	0.09	0.176	O	|	|	|	|	0.25
86.083	0.00	0.09	0.176	O	|	|	|	|	0.25
86.167	0.00	0.09	0.175	O	|	|	|	|	0.25
86.250	0.00	0.09	0.175	O	|	|	|	|	0.25
86.333	0.00	0.09	0.174	O	|	|	|	|	0.25
86.417	0.00	0.09	0.173	O	|	|	|	|	0.24
86.500	0.00	0.09	0.173	O	|	|	|	|	0.24
86.583	0.00	0.09	0.172	O	|	|	|	|	0.24
86.667	0.00	0.09	0.172	O	|	|	|	|	0.24
86.750	0.00	0.09	0.171	O	|	|	|	|	0.24
86.833	0.00	0.09	0.170	O	|	|	|	|	0.24
86.917	0.00	0.09	0.170	O	|	|	|	|	0.24
87.000	0.00	0.09	0.169	O	|	|	|	|	0.24
87.083	0.00	0.09	0.169	O	|	|	|	|	0.24
87.167	0.00	0.09	0.168	O	|	|	|	|	0.24
87.250	0.00	0.08	0.167	O	|	|	|	|	0.24
87.333	0.00	0.08	0.167	O	|	|	|	|	0.24
87.417	0.00	0.08	0.166	O	|	|	|	|	0.23
87.500	0.00	0.08	0.166	O	|	|	|	|	0.23
87.583	0.00	0.08	0.165	O	|	|	|	|	0.23
87.667	0.00	0.08	0.165	O	|	|	|	|	0.23
87.750	0.00	0.08	0.164	O	|	|	|	|	0.23
87.833	0.00	0.08	0.163	O	|	|	|	|	0.23
87.917	0.00	0.08	0.163	O	|	|	|	|	0.23
88.000	0.00	0.08	0.162	O	|	|	|	|	0.23
88.083	0.00	0.08	0.162	O	|	|	|	|	0.23
88.167	0.00	0.08	0.161	O	|	|	|	|	0.23
88.250	0.00	0.08	0.161	O	|	|	|	|	0.23
88.333	0.00	0.08	0.160	O	|	|	|	|	0.23
88.417	0.00	0.08	0.159	O	|	|	|	|	0.22
88.500	0.00	0.08	0.159	O	|	|	|	|	0.22
88.583	0.00	0.08	0.158	O	|	|	|	|	0.22
88.667	0.00	0.08	0.158	O	|	|	|	|	0.22
88.750	0.00	0.08	0.157	O	|	|	|	|	0.22
88.833	0.00	0.08	0.157	O	|	|	|	|	0.22
88.917	0.00	0.08	0.156	O	|	|	|	|	0.22
89.000	0.00	0.08	0.156	O	|	|	|	|	0.22
89.083	0.00	0.08	0.155	O	|	|	|	|	0.22
89.167	0.00	0.08	0.155	O	|	|	|	|	0.22
89.250	0.00	0.08	0.154	O	|	|	|	|	0.22
89.333	0.00	0.08	0.153	O	|	|	|	|	0.22
89.417	0.00	0.08	0.153	O	|	|	|	|	0.22
89.500	0.00	0.08	0.152	O	|	|	|	|	0.21
89.583	0.00	0.08	0.152	O	|	|	|	|	0.21
89.667	0.00	0.08	0.151	O	|	|	|	|	0.21
89.750	0.00	0.08	0.151	O	|	|	|	|	0.21

89.833	0.00	0.08	0.150	O	|	|	|	0.21
89.917	0.00	0.08	0.150	O	|	|	|	0.21
90.000	0.00	0.08	0.149	O	|	|	|	0.21
90.083	0.00	0.08	0.149	O	|	|	|	0.21
90.167	0.00	0.08	0.148	O	|	|	|	0.21
90.250	0.00	0.07	0.148	O	|	|	|	0.21
90.333	0.00	0.07	0.147	O	|	|	|	0.21
90.417	0.00	0.07	0.147	O	|	|	|	0.21
90.500	0.00	0.07	0.146	O	|	|	|	0.21
90.583	0.00	0.07	0.146	O	|	|	|	0.21
90.667	0.00	0.07	0.145	O	|	|	|	0.20
90.750	0.00	0.07	0.145	O	|	|	|	0.20
90.833	0.00	0.07	0.144	O	|	|	|	0.20
90.917	0.00	0.07	0.144	O	|	|	|	0.20
91.000	0.00	0.07	0.143	O	|	|	|	0.20
91.083	0.00	0.07	0.143	O	|	|	|	0.20
91.167	0.00	0.07	0.142	O	|	|	|	0.20
91.250	0.00	0.07	0.142	O	|	|	|	0.20
91.333	0.00	0.07	0.141	O	|	|	|	0.20
91.417	0.00	0.07	0.141	O	|	|	|	0.20
91.500	0.00	0.07	0.140	O	|	|	|	0.20
91.583	0.00	0.07	0.140	O	|	|	|	0.20
91.667	0.00	0.07	0.139	O	|	|	|	0.20
91.750	0.00	0.07	0.139	O	|	|	|	0.20
91.833	0.00	0.07	0.138	O	|	|	|	0.19
91.917	0.00	0.07	0.138	O	|	|	|	0.19
92.000	0.00	0.07	0.137	O	|	|	|	0.19
92.083	0.00	0.07	0.137	O	|	|	|	0.19
92.167	0.00	0.07	0.136	O	|	|	|	0.19
92.250	0.00	0.07	0.136	O	|	|	|	0.19
92.333	0.00	0.07	0.135	O	|	|	|	0.19
92.417	0.00	0.07	0.135	O	|	|	|	0.19
92.500	0.00	0.07	0.134	O	|	|	|	0.19
92.583	0.00	0.07	0.134	O	|	|	|	0.19
92.667	0.00	0.07	0.133	O	|	|	|	0.19
92.750	0.00	0.07	0.133	O	|	|	|	0.19
92.833	0.00	0.07	0.133	O	|	|	|	0.19
92.917	0.00	0.07	0.132	O	|	|	|	0.19
93.000	0.00	0.07	0.132	O	|	|	|	0.19
93.083	0.00	0.07	0.131	O	|	|	|	0.18
93.167	0.00	0.07	0.131	O	|	|	|	0.18
93.250	0.00	0.07	0.130	O	|	|	|	0.18
93.333	0.00	0.07	0.130	O	|	|	|	0.18
93.417	0.00	0.07	0.129	O	|	|	|	0.18
93.500	0.00	0.07	0.129	O	|	|	|	0.18
93.583	0.00	0.07	0.128	O	|	|	|	0.18
93.667	0.00	0.06	0.128	O	|	|	|	0.18
93.750	0.00	0.06	0.128	O	|	|	|	0.18
93.833	0.00	0.06	0.127	O	|	|	|	0.18
93.917	0.00	0.06	0.127	O	|	|	|	0.18
94.000	0.00	0.06	0.126	O	|	|	|	0.18
94.083	0.00	0.06	0.126	O	|	|	|	0.18
94.167	0.00	0.06	0.125	O	|	|	|	0.18
94.250	0.00	0.06	0.125	O	|	|	|	0.18
94.333	0.00	0.06	0.124	O	|	|	|	0.18
94.417	0.00	0.06	0.124	O	|	|	|	0.17
94.500	0.00	0.06	0.124	O	|	|	|	0.17
94.583	0.00	0.06	0.123	O	|	|	|	0.17
94.667	0.00	0.06	0.123	O	|	|	|	0.17
94.750	0.00	0.06	0.122	O	|	|	|	0.17
94.833	0.00	0.06	0.122	O	|	|	|	0.17
94.917	0.00	0.06	0.121	O	|	|	|	0.17
95.000	0.00	0.06	0.121	O	|	|	|	0.17
95.083	0.00	0.06	0.121	O	|	|	|	0.17
95.167	0.00	0.06	0.120	O	|	|	|	0.17
95.250	0.00	0.06	0.120	O	|	|	|	0.17
95.333	0.00	0.06	0.119	O	|	|	|	0.17

95.417	0.00	0.06	0.119	O	|	|	|	0.17
95.500	0.00	0.06	0.119	O	|	|	|	0.17
95.583	0.00	0.06	0.118	O	|	|	|	0.17
95.667	0.00	0.06	0.118	O	|	|	|	0.17
95.750	0.00	0.06	0.117	O	|	|	|	0.17
95.833	0.00	0.06	0.117	O	|	|	|	0.16
95.917	0.00	0.06	0.116	O	|	|	|	0.16
96.000	0.00	0.06	0.116	O	|	|	|	0.16
96.083	0.00	0.06	0.116	O	|	|	|	0.16
96.167	0.00	0.06	0.115	O	|	|	|	0.16
96.250	0.00	0.06	0.115	O	|	|	|	0.16
96.333	0.00	0.06	0.114	O	|	|	|	0.16
96.417	0.00	0.06	0.114	O	|	|	|	0.16
96.500	0.00	0.06	0.114	O	|	|	|	0.16
96.583	0.00	0.06	0.113	O	|	|	|	0.16
96.667	0.00	0.06	0.113	O	|	|	|	0.16
96.750	0.00	0.06	0.112	O	|	|	|	0.16
96.833	0.00	0.06	0.112	O	|	|	|	0.16
96.917	0.00	0.06	0.112	O	|	|	|	0.16
97.000	0.00	0.06	0.111	O	|	|	|	0.16
97.083	0.00	0.06	0.111	O	|	|	|	0.16
97.167	0.00	0.06	0.111	O	|	|	|	0.16
97.250	0.00	0.06	0.110	O	|	|	|	0.16
97.333	0.00	0.06	0.110	O	|	|	|	0.15
97.417	0.00	0.06	0.109	O	|	|	|	0.15
97.500	0.00	0.06	0.109	O	|	|	|	0.15
97.583	0.00	0.06	0.109	O	|	|	|	0.15
97.667	0.00	0.05	0.108	O	|	|	|	0.15
97.750	0.00	0.05	0.108	O	|	|	|	0.15
97.833	0.00	0.05	0.107	O	|	|	|	0.15
97.917	0.00	0.05	0.107	O	|	|	|	0.15
98.000	0.00	0.05	0.107	O	|	|	|	0.15
98.083	0.00	0.05	0.106	O	|	|	|	0.15
98.167	0.00	0.05	0.106	O	|	|	|	0.15
98.250	0.00	0.05	0.106	O	|	|	|	0.15
98.333	0.00	0.05	0.105	O	|	|	|	0.15
98.417	0.00	0.05	0.105	O	|	|	|	0.15
98.500	0.00	0.05	0.105	O	|	|	|	0.15
98.583	0.00	0.05	0.104	O	|	|	|	0.15
98.667	0.00	0.05	0.104	O	|	|	|	0.15
98.750	0.00	0.05	0.103	O	|	|	|	0.15
98.833	0.00	0.05	0.103	O	|	|	|	0.15
98.917	0.00	0.05	0.103	O	|	|	|	0.14
99.000	0.00	0.05	0.102	O	|	|	|	0.14
99.083	0.00	0.05	0.102	O	|	|	|	0.14
99.167	0.00	0.05	0.102	O	|	|	|	0.14
99.250	0.00	0.05	0.101	O	|	|	|	0.14
99.333	0.00	0.05	0.101	O	|	|	|	0.14
99.417	0.00	0.05	0.101	O	|	|	|	0.14
99.500	0.00	0.05	0.100	O	|	|	|	0.14
99.583	0.00	0.05	0.100	O	|	|	|	0.14
99.667	0.00	0.05	0.100	O	|	|	|	0.14
99.750	0.00	0.05	0.099	O	|	|	|	0.14
99.833	0.00	0.05	0.099	O	|	|	|	0.14
99.917	0.00	0.05	0.099	O	|	|	|	0.14
100.000	0.00	0.05	0.098	O	|	|	|	0.14
100.083	0.00	0.05	0.098	O	|	|	|	0.14
100.167	0.00	0.05	0.097	O	|	|	|	0.14
100.250	0.00	0.05	0.097	O	|	|	|	0.14
100.333	0.00	0.05	0.097	O	|	|	|	0.14
100.417	0.00	0.05	0.096	O	|	|	|	0.14
100.500	0.00	0.05	0.096	O	|	|	|	0.14
100.583	0.00	0.05	0.096	O	|	|	|	0.13
100.667	0.00	0.05	0.095	O	|	|	|	0.13
100.750	0.00	0.05	0.095	O	|	|	|	0.13
100.833	0.00	0.05	0.095	O	|	|	|	0.13
100.917	0.00	0.05	0.094	O	|	|	|	0.13

101.000	0.00	0.05	0.094	O	|	|	|	0.13
101.083	0.00	0.05	0.094	O	|	|	|	0.13
101.167	0.00	0.05	0.093	O	|	|	|	0.13
101.250	0.00	0.05	0.093	O	|	|	|	0.13
101.333	0.00	0.05	0.093	O	|	|	|	0.13
101.417	0.00	0.05	0.093	O	|	|	|	0.13
101.500	0.00	0.05	0.092	O	|	|	|	0.13
101.583	0.00	0.05	0.092	O	|	|	|	0.13
101.667	0.00	0.05	0.092	O	|	|	|	0.13
101.750	0.00	0.05	0.091	O	|	|	|	0.13
101.833	0.00	0.05	0.091	O	|	|	|	0.13
101.917	0.00	0.05	0.091	O	|	|	|	0.13
102.000	0.00	0.05	0.090	O	|	|	|	0.13
102.083	0.00	0.05	0.090	O	|	|	|	0.13
102.167	0.00	0.05	0.090	O	|	|	|	0.13
102.250	0.00	0.05	0.089	O	|	|	|	0.13
102.333	0.00	0.05	0.089	O	|	|	|	0.13
102.417	0.00	0.04	0.089	O	|	|	|	0.12
102.500	0.00	0.04	0.088	O	|	|	|	0.12
102.583	0.00	0.04	0.088	O	|	|	|	0.12
102.667	0.00	0.04	0.088	O	|	|	|	0.12
102.750	0.00	0.04	0.087	O	|	|	|	0.12
102.833	0.00	0.04	0.087	O	|	|	|	0.12
102.917	0.00	0.04	0.087	O	|	|	|	0.12
103.000	0.00	0.04	0.087	O	|	|	|	0.12
103.083	0.00	0.04	0.086	O	|	|	|	0.12
103.167	0.00	0.04	0.086	O	|	|	|	0.12
103.250	0.00	0.04	0.086	O	|	|	|	0.12
103.333	0.00	0.04	0.085	O	|	|	|	0.12
103.417	0.00	0.04	0.085	O	|	|	|	0.12
103.500	0.00	0.04	0.085	O	|	|	|	0.12
103.583	0.00	0.04	0.084	O	|	|	|	0.12
103.667	0.00	0.04	0.084	O	|	|	|	0.12
103.750	0.00	0.04	0.084	O	|	|	|	0.12
103.833	0.00	0.04	0.084	O	|	|	|	0.12
103.917	0.00	0.04	0.083	O	|	|	|	0.12
104.000	0.00	0.04	0.083	O	|	|	|	0.12
104.083	0.00	0.04	0.083	O	|	|	|	0.12
104.167	0.00	0.04	0.082	O	|	|	|	0.12
104.250	0.00	0.04	0.082	O	|	|	|	0.12
104.333	0.00	0.04	0.082	O	|	|	|	0.12
104.417	0.00	0.04	0.082	O	|	|	|	0.11
104.500	0.00	0.04	0.081	O	|	|	|	0.11
104.583	0.00	0.04	0.081	O	|	|	|	0.11
104.667	0.00	0.04	0.081	O	|	|	|	0.11
104.750	0.00	0.04	0.080	O	|	|	|	0.11
104.833	0.00	0.04	0.080	O	|	|	|	0.11
104.917	0.00	0.04	0.080	O	|	|	|	0.11
105.000	0.00	0.04	0.080	O	|	|	|	0.11
105.083	0.00	0.04	0.079	O	|	|	|	0.11
105.167	0.00	0.04	0.079	O	|	|	|	0.11
105.250	0.00	0.04	0.079	O	|	|	|	0.11
105.333	0.00	0.04	0.078	O	|	|	|	0.11
105.417	0.00	0.04	0.078	O	|	|	|	0.11
105.500	0.00	0.04	0.078	O	|	|	|	0.11
105.583	0.00	0.04	0.078	O	|	|	|	0.11
105.667	0.00	0.04	0.077	O	|	|	|	0.11
105.750	0.00	0.04	0.077	O	|	|	|	0.11
105.833	0.00	0.04	0.077	O	|	|	|	0.11
105.917	0.00	0.04	0.077	O	|	|	|	0.11
106.000	0.00	0.04	0.076	O	|	|	|	0.11
106.083	0.00	0.04	0.076	O	|	|	|	0.11
106.167	0.00	0.04	0.076	O	|	|	|	0.11
106.250	0.00	0.04	0.076	O	|	|	|	0.11
106.333	0.00	0.04	0.075	O	|	|	|	0.11
106.417	0.00	0.04	0.075	O	|	|	|	0.11
106.500	0.00	0.04	0.075	O	|	|	|	0.11

106.583	0.00	0.04	0.074	O	|	|	|	|	0.10
106.667	0.00	0.04	0.074	O	|	|	|	|	0.10
106.750	0.00	0.04	0.074	O	|	|	|	|	0.10
106.833	0.00	0.04	0.074	O	|	|	|	|	0.10
106.917	0.00	0.04	0.073	O	|	|	|	|	0.10
107.000	0.00	0.04	0.073	O	|	|	|	|	0.10
107.083	0.00	0.04	0.073	O	|	|	|	|	0.10
107.167	0.00	0.04	0.073	O	|	|	|	|	0.10
107.250	0.00	0.04	0.072	O	|	|	|	|	0.10
107.333	0.00	0.04	0.072	O	|	|	|	|	0.10
107.417	0.00	0.04	0.072	O	|	|	|	|	0.10
107.500	0.00	0.04	0.072	O	|	|	|	|	0.10
107.583	0.00	0.04	0.071	O	|	|	|	|	0.10
107.667	0.00	0.04	0.071	O	|	|	|	|	0.10
107.750	0.00	0.04	0.071	O	|	|	|	|	0.10
107.833	0.00	0.04	0.071	O	|	|	|	|	0.10
107.917	0.00	0.04	0.070	O	|	|	|	|	0.10
108.000	0.00	0.04	0.070	O	|	|	|	|	0.10
108.083	0.00	0.04	0.070	O	|	|	|	|	0.10
108.167	0.00	0.04	0.070	O	|	|	|	|	0.10
108.250	0.00	0.04	0.069	O	|	|	|	|	0.10
108.333	0.00	0.04	0.069	O	|	|	|	|	0.10
108.417	0.00	0.03	0.069	O	|	|	|	|	0.10
108.500	0.00	0.03	0.069	O	|	|	|	|	0.10
108.583	0.00	0.03	0.069	O	|	|	|	|	0.10
108.667	0.00	0.03	0.068	O	|	|	|	|	0.10
108.750	0.00	0.03	0.068	O	|	|	|	|	0.10
108.833	0.00	0.03	0.068	O	|	|	|	|	0.10
108.917	0.00	0.03	0.068	O	|	|	|	|	0.10
109.000	0.00	0.03	0.067	O	|	|	|	|	0.09
109.083	0.00	0.03	0.067	O	|	|	|	|	0.09
109.167	0.00	0.03	0.067	O	|	|	|	|	0.09
109.250	0.00	0.03	0.067	O	|	|	|	|	0.09
109.333	0.00	0.03	0.066	O	|	|	|	|	0.09
109.417	0.00	0.03	0.066	O	|	|	|	|	0.09
109.500	0.00	0.03	0.066	O	|	|	|	|	0.09
109.583	0.00	0.03	0.066	O	|	|	|	|	0.09
109.667	0.00	0.03	0.065	O	|	|	|	|	0.09
109.750	0.00	0.03	0.065	O	|	|	|	|	0.09
109.833	0.00	0.03	0.065	O	|	|	|	|	0.09
109.917	0.00	0.03	0.065	O	|	|	|	|	0.09
110.000	0.00	0.03	0.065	O	|	|	|	|	0.09
110.083	0.00	0.03	0.064	O	|	|	|	|	0.09
110.167	0.00	0.03	0.064	O	|	|	|	|	0.09
110.250	0.00	0.03	0.064	O	|	|	|	|	0.09
110.333	0.00	0.03	0.064	O	|	|	|	|	0.09
110.417	0.00	0.03	0.063	O	|	|	|	|	0.09
110.500	0.00	0.03	0.063	O	|	|	|	|	0.09
110.583	0.00	0.03	0.063	O	|	|	|	|	0.09
110.667	0.00	0.03	0.063	O	|	|	|	|	0.09
110.750	0.00	0.03	0.063	O	|	|	|	|	0.09
110.833	0.00	0.03	0.062	O	|	|	|	|	0.09
110.917	0.00	0.03	0.062	O	|	|	|	|	0.09
111.000	0.00	0.03	0.062	O	|	|	|	|	0.09
111.083	0.00	0.03	0.062	O	|	|	|	|	0.09
111.167	0.00	0.03	0.061	O	|	|	|	|	0.09
111.250	0.00	0.03	0.061	O	|	|	|	|	0.09
111.333	0.00	0.03	0.061	O	|	|	|	|	0.09
111.417	0.00	0.03	0.061	O	|	|	|	|	0.09
111.500	0.00	0.03	0.061	O	|	|	|	|	0.09
111.583	0.00	0.03	0.060	O	|	|	|	|	0.09
111.667	0.00	0.03	0.060	O	|	|	|	|	0.08
111.750	0.00	0.03	0.060	O	|	|	|	|	0.08
111.833	0.00	0.03	0.060	O	|	|	|	|	0.08
111.917	0.00	0.03	0.060	O	|	|	|	|	0.08
112.000	0.00	0.03	0.059	O	|	|	|	|	0.08
112.083	0.00	0.03	0.059	O	|	|	|	|	0.08

112.167	0.00	0.03	0.059	O	|	|	|	|	0.08
112.250	0.00	0.03	0.059	O	|	|	|	|	0.08
112.333	0.00	0.03	0.059	O	|	|	|	|	0.08
112.417	0.00	0.03	0.058	O	|	|	|	|	0.08
112.500	0.00	0.03	0.058	O	|	|	|	|	0.08
112.583	0.00	0.03	0.058	O	|	|	|	|	0.08
112.667	0.00	0.03	0.058	O	|	|	|	|	0.08
112.750	0.00	0.03	0.058	O	|	|	|	|	0.08
112.833	0.00	0.03	0.057	O	|	|	|	|	0.08
112.917	0.00	0.03	0.057	O	|	|	|	|	0.08
113.000	0.00	0.03	0.057	O	|	|	|	|	0.08
113.083	0.00	0.03	0.057	O	|	|	|	|	0.08
113.167	0.00	0.03	0.057	O	|	|	|	|	0.08
113.250	0.00	0.03	0.056	O	|	|	|	|	0.08
113.333	0.00	0.03	0.056	O	|	|	|	|	0.08
113.417	0.00	0.03	0.056	O	|	|	|	|	0.08
113.500	0.00	0.03	0.056	O	|	|	|	|	0.08
113.583	0.00	0.03	0.056	O	|	|	|	|	0.08
113.667	0.00	0.03	0.055	O	|	|	|	|	0.08
113.750	0.00	0.03	0.055	O	|	|	|	|	0.08
113.833	0.00	0.03	0.055	O	|	|	|	|	0.08
113.917	0.00	0.03	0.055	O	|	|	|	|	0.08
114.000	0.00	0.03	0.055	O	|	|	|	|	0.08
114.083	0.00	0.03	0.054	O	|	|	|	|	0.08
114.167	0.00	0.03	0.054	O	|	|	|	|	0.08
114.250	0.00	0.03	0.054	O	|	|	|	|	0.08
114.333	0.00	0.03	0.054	O	|	|	|	|	0.08
114.417	0.00	0.03	0.054	O	|	|	|	|	0.08
114.500	0.00	0.03	0.053	O	|	|	|	|	0.08
114.583	0.00	0.03	0.053	O	|	|	|	|	0.08
114.667	0.00	0.03	0.053	O	|	|	|	|	0.07
114.750	0.00	0.03	0.053	O	|	|	|	|	0.07
114.833	0.00	0.03	0.053	O	|	|	|	|	0.07
114.917	0.00	0.03	0.053	O	|	|	|	|	0.07
115.000	0.00	0.03	0.052	O	|	|	|	|	0.07
115.083	0.00	0.03	0.052	O	|	|	|	|	0.07
115.167	0.00	0.03	0.052	O	|	|	|	|	0.07
115.250	0.00	0.03	0.052	O	|	|	|	|	0.07
115.333	0.00	0.03	0.052	O	|	|	|	|	0.07
115.417	0.00	0.03	0.051	O	|	|	|	|	0.07
115.500	0.00	0.03	0.051	O	|	|	|	|	0.07
115.583	0.00	0.03	0.051	O	|	|	|	|	0.07
115.667	0.00	0.03	0.051	O	|	|	|	|	0.07
115.750	0.00	0.03	0.051	O	|	|	|	|	0.07
115.833	0.00	0.03	0.051	O	|	|	|	|	0.07
115.917	0.00	0.03	0.050	O	|	|	|	|	0.07
116.000	0.00	0.03	0.050	O	|	|	|	|	0.07
116.083	0.00	0.03	0.050	O	|	|	|	|	0.07
116.167	0.00	0.03	0.050	O	|	|	|	|	0.07
116.250	0.00	0.03	0.050	O	|	|	|	|	0.07
116.333	0.00	0.03	0.050	O	|	|	|	|	0.07
116.417	0.00	0.03	0.049	O	|	|	|	|	0.07
116.500	0.00	0.02	0.049	O	|	|	|	|	0.07
116.583	0.00	0.02	0.049	O	|	|	|	|	0.07
116.667	0.00	0.02	0.049	O	|	|	|	|	0.07
116.750	0.00	0.02	0.049	O	|	|	|	|	0.07
116.833	0.00	0.02	0.048	O	|	|	|	|	0.07
116.917	0.00	0.02	0.048	O	|	|	|	|	0.07
117.000	0.00	0.02	0.048	O	|	|	|	|	0.07
117.083	0.00	0.02	0.048	O	|	|	|	|	0.07
117.167	0.00	0.02	0.048	O	|	|	|	|	0.07
117.250	0.00	0.02	0.048	O	|	|	|	|	0.07
117.333	0.00	0.02	0.047	O	|	|	|	|	0.07
117.417	0.00	0.02	0.047	O	|	|	|	|	0.07
117.500	0.00	0.02	0.047	O	|	|	|	|	0.07
117.583	0.00	0.02	0.047	O	|	|	|	|	0.07
117.667	0.00	0.02	0.047	O	|	|	|	|	0.07

117.750	0.00	0.02	0.047	O	|	|	|	|	0.07
117.833	0.00	0.02	0.046	O	|	|	|	|	0.07
117.917	0.00	0.02	0.046	O	|	|	|	|	0.07
118.000	0.00	0.02	0.046	O	|	|	|	|	0.07
118.083	0.00	0.02	0.046	O	|	|	|	|	0.06
118.167	0.00	0.02	0.046	O	|	|	|	|	0.06
118.250	0.00	0.02	0.046	O	|	|	|	|	0.06
118.333	0.00	0.02	0.046	O	|	|	|	|	0.06
118.417	0.00	0.02	0.045	O	|	|	|	|	0.06
118.500	0.00	0.02	0.045	O	|	|	|	|	0.06
118.583	0.00	0.02	0.045	O	|	|	|	|	0.06
118.667	0.00	0.02	0.045	O	|	|	|	|	0.06
118.750	0.00	0.02	0.045	O	|	|	|	|	0.06
118.833	0.00	0.02	0.045	O	|	|	|	|	0.06
118.917	0.00	0.02	0.044	O	|	|	|	|	0.06
119.000	0.00	0.02	0.044	O	|	|	|	|	0.06
119.083	0.00	0.02	0.044	O	|	|	|	|	0.06
119.167	0.00	0.02	0.044	O	|	|	|	|	0.06
119.250	0.00	0.02	0.044	O	|	|	|	|	0.06
119.333	0.00	0.02	0.044	O	|	|	|	|	0.06
119.417	0.00	0.02	0.044	O	|	|	|	|	0.06
119.500	0.00	0.02	0.043	O	|	|	|	|	0.06
119.583	0.00	0.02	0.043	O	|	|	|	|	0.06
119.667	0.00	0.02	0.043	O	|	|	|	|	0.06
119.750	0.00	0.02	0.043	O	|	|	|	|	0.06
119.833	0.00	0.02	0.043	O	|	|	|	|	0.06
119.917	0.00	0.02	0.043	O	|	|	|	|	0.06
120.000	0.00	0.02	0.042	O	|	|	|	|	0.06
120.083	0.00	0.02	0.042	O	|	|	|	|	0.06
120.167	0.00	0.02	0.042	O	|	|	|	|	0.06
120.250	0.00	0.02	0.042	O	|	|	|	|	0.06
120.333	0.00	0.02	0.042	O	|	|	|	|	0.06
120.417	0.00	0.02	0.042	O	|	|	|	|	0.06
120.500	0.00	0.02	0.042	O	|	|	|	|	0.06
120.583	0.00	0.02	0.041	O	|	|	|	|	0.06
120.667	0.00	0.02	0.041	O	|	|	|	|	0.06
120.750	0.00	0.02	0.041	O	|	|	|	|	0.06
120.833	0.00	0.02	0.041	O	|	|	|	|	0.06
120.917	0.00	0.02	0.041	O	|	|	|	|	0.06
121.000	0.00	0.02	0.041	O	|	|	|	|	0.06
121.083	0.00	0.02	0.041	O	|	|	|	|	0.06
121.167	0.00	0.02	0.040	O	|	|	|	|	0.06
121.250	0.00	0.02	0.040	O	|	|	|	|	0.06
121.333	0.00	0.02	0.040	O	|	|	|	|	0.06
121.417	0.00	0.02	0.040	O	|	|	|	|	0.06
121.500	0.00	0.02	0.040	O	|	|	|	|	0.06
121.583	0.00	0.02	0.040	O	|	|	|	|	0.06
121.667	0.00	0.02	0.040	O	|	|	|	|	0.06
121.750	0.00	0.02	0.039	O	|	|	|	|	0.06
121.833	0.00	0.02	0.039	O	|	|	|	|	0.06
121.917	0.00	0.02	0.039	O	|	|	|	|	0.06
122.000	0.00	0.02	0.039	O	|	|	|	|	0.05
122.083	0.00	0.02	0.039	O	|	|	|	|	0.05
122.167	0.00	0.02	0.039	O	|	|	|	|	0.05
122.250	0.00	0.02	0.039	O	|	|	|	|	0.05
122.333	0.00	0.02	0.039	O	|	|	|	|	0.05
122.417	0.00	0.02	0.038	O	|	|	|	|	0.05
122.500	0.00	0.02	0.038	O	|	|	|	|	0.05
122.583	0.00	0.02	0.038	O	|	|	|	|	0.05
122.667	0.00	0.02	0.038	O	|	|	|	|	0.05
122.750	0.00	0.02	0.038	O	|	|	|	|	0.05
122.833	0.00	0.02	0.038	O	|	|	|	|	0.05
122.917	0.00	0.02	0.038	O	|	|	|	|	0.05
123.000	0.00	0.02	0.037	O	|	|	|	|	0.05
123.083	0.00	0.02	0.037	O	|	|	|	|	0.05
123.167	0.00	0.02	0.037	O	|	|	|	|	0.05
123.250	0.00	0.02	0.037	O	|	|	|	|	0.05

123.333	0.00	0.02	0.037	O	|	|	|	0.05
123.417	0.00	0.02	0.037	O	|	|	|	0.05
123.500	0.00	0.02	0.037	O	|	|	|	0.05
123.583	0.00	0.02	0.037	O	|	|	|	0.05
123.667	0.00	0.02	0.036	O	|	|	|	0.05
123.750	0.00	0.02	0.036	O	|	|	|	0.05
123.833	0.00	0.02	0.036	O	|	|	|	0.05
123.917	0.00	0.02	0.036	O	|	|	|	0.05
124.000	0.00	0.02	0.036	O	|	|	|	0.05
124.083	0.00	0.02	0.036	O	|	|	|	0.05
124.167	0.00	0.02	0.036	O	|	|	|	0.05
124.250	0.00	0.02	0.036	O	|	|	|	0.05
124.333	0.00	0.02	0.035	O	|	|	|	0.05
124.417	0.00	0.02	0.035	O	|	|	|	0.05
124.500	0.00	0.02	0.035	O	|	|	|	0.05
124.583	0.00	0.02	0.035	O	|	|	|	0.05
124.667	0.00	0.02	0.035	O	|	|	|	0.05
124.750	0.00	0.02	0.035	O	|	|	|	0.05
124.833	0.00	0.02	0.035	O	|	|	|	0.05
124.917	0.00	0.02	0.035	O	|	|	|	0.05
125.000	0.00	0.02	0.034	O	|	|	|	0.05
125.083	0.00	0.02	0.034	O	|	|	|	0.05
125.167	0.00	0.02	0.034	O	|	|	|	0.05
125.250	0.00	0.02	0.034	O	|	|	|	0.05
125.333	0.00	0.02	0.034	O	|	|	|	0.05
125.417	0.00	0.02	0.034	O	|	|	|	0.05
125.500	0.00	0.02	0.034	O	|	|	|	0.05
125.583	0.00	0.02	0.034	O	|	|	|	0.05
125.667	0.00	0.02	0.033	O	|	|	|	0.05
125.750	0.00	0.02	0.033	O	|	|	|	0.05
125.833	0.00	0.02	0.033	O	|	|	|	0.05
125.917	0.00	0.02	0.033	O	|	|	|	0.05
126.000	0.00	0.02	0.033	O	|	|	|	0.05
126.083	0.00	0.02	0.033	O	|	|	|	0.05
126.167	0.00	0.02	0.033	O	|	|	|	0.05
126.250	0.00	0.02	0.033	O	|	|	|	0.05
126.333	0.00	0.02	0.033	O	|	|	|	0.05
126.417	0.00	0.02	0.032	O	|	|	|	0.05
126.500	0.00	0.02	0.032	O	|	|	|	0.05
126.583	0.00	0.02	0.032	O	|	|	|	0.05
126.667	0.00	0.02	0.032	O	|	|	|	0.05
126.750	0.00	0.02	0.032	O	|	|	|	0.05
126.833	0.00	0.02	0.032	O	|	|	|	0.04
126.917	0.00	0.02	0.032	O	|	|	|	0.04
127.000	0.00	0.02	0.032	O	|	|	|	0.04
127.083	0.00	0.02	0.032	O	|	|	|	0.04
127.167	0.00	0.02	0.031	O	|	|	|	0.04
127.250	0.00	0.02	0.031	O	|	|	|	0.04
127.333	0.00	0.02	0.031	O	|	|	|	0.04
127.417	0.00	0.02	0.031	O	|	|	|	0.04
127.500	0.00	0.02	0.031	O	|	|	|	0.04
127.583	0.00	0.02	0.031	O	|	|	|	0.04
127.667	0.00	0.02	0.031	O	|	|	|	0.04
127.750	0.00	0.02	0.031	O	|	|	|	0.04
127.833	0.00	0.02	0.031	O	|	|	|	0.04
127.917	0.00	0.02	0.030	O	|	|	|	0.04
128.000	0.00	0.02	0.030	O	|	|	|	0.04
128.083	0.00	0.02	0.030	O	|	|	|	0.04
128.167	0.00	0.02	0.030	O	|	|	|	0.04
128.250	0.00	0.02	0.030	O	|	|	|	0.04
128.333	0.00	0.02	0.030	O	|	|	|	0.04
128.417	0.00	0.02	0.030	O	|	|	|	0.04
128.500	0.00	0.02	0.030	O	|	|	|	0.04
128.583	0.00	0.02	0.030	O	|	|	|	0.04
128.667	0.00	0.01	0.030	O	|	|	|	0.04
128.750	0.00	0.01	0.029	O	|	|	|	0.04
128.833	0.00	0.01	0.029	O	|	|	|	0.04

128.917	0.00	0.01	0.029	O	|	|	|	|	0.04
129.000	0.00	0.01	0.029	O	|	|	|	|	0.04
129.083	0.00	0.01	0.029	O	|	|	|	|	0.04
129.167	0.00	0.01	0.029	O	|	|	|	|	0.04
129.250	0.00	0.01	0.029	O	|	|	|	|	0.04
129.333	0.00	0.01	0.029	O	|	|	|	|	0.04
129.417	0.00	0.01	0.029	O	|	|	|	|	0.04
129.500	0.00	0.01	0.029	O	|	|	|	|	0.04
129.583	0.00	0.01	0.028	O	|	|	|	|	0.04
129.667	0.00	0.01	0.028	O	|	|	|	|	0.04
129.750	0.00	0.01	0.028	O	|	|	|	|	0.04
129.833	0.00	0.01	0.028	O	|	|	|	|	0.04
129.917	0.00	0.01	0.028	O	|	|	|	|	0.04
130.000	0.00	0.01	0.028	O	|	|	|	|	0.04
130.083	0.00	0.01	0.028	O	|	|	|	|	0.04
130.167	0.00	0.01	0.028	O	|	|	|	|	0.04
130.250	0.00	0.01	0.028	O	|	|	|	|	0.04
130.333	0.00	0.01	0.028	O	|	|	|	|	0.04
130.417	0.00	0.01	0.027	O	|	|	|	|	0.04
130.500	0.00	0.01	0.027	O	|	|	|	|	0.04
130.583	0.00	0.01	0.027	O	|	|	|	|	0.04
130.667	0.00	0.01	0.027	O	|	|	|	|	0.04
130.750	0.00	0.01	0.027	O	|	|	|	|	0.04
130.833	0.00	0.01	0.027	O	|	|	|	|	0.04
130.917	0.00	0.01	0.027	O	|	|	|	|	0.04
131.000	0.00	0.01	0.027	O	|	|	|	|	0.04
131.083	0.00	0.01	0.027	O	|	|	|	|	0.04
131.167	0.00	0.01	0.027	O	|	|	|	|	0.04
131.250	0.00	0.01	0.026	O	|	|	|	|	0.04
131.333	0.00	0.01	0.026	O	|	|	|	|	0.04
131.417	0.00	0.01	0.026	O	|	|	|	|	0.04
131.500	0.00	0.01	0.026	O	|	|	|	|	0.04
131.583	0.00	0.01	0.026	O	|	|	|	|	0.04
131.667	0.00	0.01	0.026	O	|	|	|	|	0.04
131.750	0.00	0.01	0.026	O	|	|	|	|	0.04
131.833	0.00	0.01	0.026	O	|	|	|	|	0.04
131.917	0.00	0.01	0.026	O	|	|	|	|	0.04
132.000	0.00	0.01	0.026	O	|	|	|	|	0.04
132.083	0.00	0.01	0.026	O	|	|	|	|	0.04
132.167	0.00	0.01	0.025	O	|	|	|	|	0.04
132.250	0.00	0.01	0.025	O	|	|	|	|	0.04
132.333	0.00	0.01	0.025	O	|	|	|	|	0.04
132.417	0.00	0.01	0.025	O	|	|	|	|	0.04
132.500	0.00	0.01	0.025	O	|	|	|	|	0.04
132.583	0.00	0.01	0.025	O	|	|	|	|	0.04
132.667	0.00	0.01	0.025	O	|	|	|	|	0.04
132.750	0.00	0.01	0.025	O	|	|	|	|	0.04
132.833	0.00	0.01	0.025	O	|	|	|	|	0.03
132.917	0.00	0.01	0.025	O	|	|	|	|	0.03
133.000	0.00	0.01	0.025	O	|	|	|	|	0.03
133.083	0.00	0.01	0.025	O	|	|	|	|	0.03
133.167	0.00	0.01	0.024	O	|	|	|	|	0.03
133.250	0.00	0.01	0.024	O	|	|	|	|	0.03
133.333	0.00	0.01	0.024	O	|	|	|	|	0.03
133.417	0.00	0.01	0.024	O	|	|	|	|	0.03
133.500	0.00	0.01	0.024	O	|	|	|	|	0.03
133.583	0.00	0.01	0.024	O	|	|	|	|	0.03
133.667	0.00	0.01	0.024	O	|	|	|	|	0.03
133.750	0.00	0.01	0.024	O	|	|	|	|	0.03
133.833	0.00	0.01	0.024	O	|	|	|	|	0.03
133.917	0.00	0.01	0.024	O	|	|	|	|	0.03
134.000	0.00	0.01	0.024	O	|	|	|	|	0.03
134.083	0.00	0.01	0.024	O	|	|	|	|	0.03
134.167	0.00	0.01	0.023	O	|	|	|	|	0.03
134.250	0.00	0.01	0.023	O	|	|	|	|	0.03
134.333	0.00	0.01	0.023	O	|	|	|	|	0.03
134.417	0.00	0.01	0.023	O	|	|	|	|	0.03

134.500	0.00	0.01	0.023	O	|	|	|	|	0.03
134.583	0.00	0.01	0.023	O	|	|	|	|	0.03
134.667	0.00	0.01	0.023	O	|	|	|	|	0.03
134.750	0.00	0.01	0.023	O	|	|	|	|	0.03
134.833	0.00	0.01	0.023	O	|	|	|	|	0.03
134.917	0.00	0.01	0.023	O	|	|	|	|	0.03
135.000	0.00	0.01	0.023	O	|	|	|	|	0.03
135.083	0.00	0.01	0.023	O	|	|	|	|	0.03
135.167	0.00	0.01	0.022	O	|	|	|	|	0.03
135.250	0.00	0.01	0.022	O	|	|	|	|	0.03
135.333	0.00	0.01	0.022	O	|	|	|	|	0.03
135.417	0.00	0.01	0.022	O	|	|	|	|	0.03
135.500	0.00	0.01	0.022	O	|	|	|	|	0.03
135.583	0.00	0.01	0.022	O	|	|	|	|	0.03
135.667	0.00	0.01	0.022	O	|	|	|	|	0.03
135.750	0.00	0.01	0.022	O	|	|	|	|	0.03
135.833	0.00	0.01	0.022	O	|	|	|	|	0.03
135.917	0.00	0.01	0.022	O	|	|	|	|	0.03
136.000	0.00	0.01	0.022	O	|	|	|	|	0.03
136.083	0.00	0.01	0.022	O	|	|	|	|	0.03
136.167	0.00	0.01	0.022	O	|	|	|	|	0.03
136.250	0.00	0.01	0.021	O	|	|	|	|	0.03
136.333	0.00	0.01	0.021	O	|	|	|	|	0.03
136.417	0.00	0.01	0.021	O	|	|	|	|	0.03
136.500	0.00	0.01	0.021	O	|	|	|	|	0.03
136.583	0.00	0.01	0.021	O	|	|	|	|	0.03
136.667	0.00	0.01	0.021	O	|	|	|	|	0.03
136.750	0.00	0.01	0.021	O	|	|	|	|	0.03
136.833	0.00	0.01	0.021	O	|	|	|	|	0.03
136.917	0.00	0.01	0.021	O	|	|	|	|	0.03
137.000	0.00	0.01	0.021	O	|	|	|	|	0.03
137.083	0.00	0.01	0.021	O	|	|	|	|	0.03
137.167	0.00	0.01	0.021	O	|	|	|	|	0.03
137.250	0.00	0.01	0.021	O	|	|	|	|	0.03
137.333	0.00	0.01	0.021	O	|	|	|	|	0.03
137.417	0.00	0.01	0.020	O	|	|	|	|	0.03
137.500	0.00	0.01	0.020	O	|	|	|	|	0.03
137.583	0.00	0.01	0.020	O	|	|	|	|	0.03
137.667	0.00	0.01	0.020	O	|	|	|	|	0.03
137.750	0.00	0.01	0.020	O	|	|	|	|	0.03
137.833	0.00	0.01	0.020	O	|	|	|	|	0.03
137.917	0.00	0.01	0.020	O	|	|	|	|	0.03
138.000	0.00	0.01	0.020	O	|	|	|	|	0.03
138.083	0.00	0.01	0.020	O	|	|	|	|	0.03
138.167	0.00	0.01	0.020	O	|	|	|	|	0.03
138.250	0.00	0.01	0.020	O	|	|	|	|	0.03
138.333	0.00	0.01	0.020	O	|	|	|	|	0.03
138.417	0.00	0.01	0.020	O	|	|	|	|	0.03
138.500	0.00	0.01	0.020	O	|	|	|	|	0.03
138.583	0.00	0.01	0.019	O	|	|	|	|	0.03
138.667	0.00	0.01	0.019	O	|	|	|	|	0.03
138.750	0.00	0.01	0.019	O	|	|	|	|	0.03
138.833	0.00	0.01	0.019	O	|	|	|	|	0.03
138.917	0.00	0.01	0.019	O	|	|	|	|	0.03
139.000	0.00	0.01	0.019	O	|	|	|	|	0.03
139.083	0.00	0.01	0.019	O	|	|	|	|	0.03
139.167	0.00	0.01	0.019	O	|	|	|	|	0.03
139.250	0.00	0.01	0.019	O	|	|	|	|	0.03
139.333	0.00	0.01	0.019	O	|	|	|	|	0.03
139.417	0.00	0.01	0.019	O	|	|	|	|	0.03
139.500	0.00	0.01	0.019	O	|	|	|	|	0.03
139.583	0.00	0.01	0.019	O	|	|	|	|	0.03
139.667	0.00	0.01	0.019	O	|	|	|	|	0.03
139.750	0.00	0.01	0.019	O	|	|	|	|	0.03
139.833	0.00	0.01	0.018	O	|	|	|	|	0.03
139.917	0.00	0.01	0.018	O	|	|	|	|	0.03
140.000	0.00	0.01	0.018	O	|	|	|	|	0.03

140.083	0.00	0.01	0.018	O	|	|	|	0.03
140.167	0.00	0.01	0.018	O	|	|	|	0.03
140.250	0.00	0.01	0.018	O	|	|	|	0.03
140.333	0.00	0.01	0.018	O	|	|	|	0.03
140.417	0.00	0.01	0.018	O	|	|	|	0.03
140.500	0.00	0.01	0.018	O	|	|	|	0.03
140.583	0.00	0.01	0.018	O	|	|	|	0.03
140.667	0.00	0.01	0.018	O	|	|	|	0.03
140.750	0.00	0.01	0.018	O	|	|	|	0.03
140.833	0.00	0.01	0.018	O	|	|	|	0.02
140.917	0.00	0.01	0.018	O	|	|	|	0.02
141.000	0.00	0.01	0.018	O	|	|	|	0.02
141.083	0.00	0.01	0.018	O	|	|	|	0.02
141.167	0.00	0.01	0.017	O	|	|	|	0.02
141.250	0.00	0.01	0.017	O	|	|	|	0.02
141.333	0.00	0.01	0.017	O	|	|	|	0.02
141.417	0.00	0.01	0.017	O	|	|	|	0.02
141.500	0.00	0.01	0.017	O	|	|	|	0.02
141.583	0.00	0.01	0.017	O	|	|	|	0.02
141.667	0.00	0.01	0.017	O	|	|	|	0.02
141.750	0.00	0.01	0.017	O	|	|	|	0.02
141.833	0.00	0.01	0.017	O	|	|	|	0.02
141.917	0.00	0.01	0.017	O	|	|	|	0.02
142.000	0.00	0.01	0.017	O	|	|	|	0.02
142.083	0.00	0.01	0.017	O	|	|	|	0.02
142.167	0.00	0.01	0.017	O	|	|	|	0.02
142.250	0.00	0.01	0.017	O	|	|	|	0.02
142.333	0.00	0.01	0.017	O	|	|	|	0.02
142.417	0.00	0.01	0.017	O	|	|	|	0.02
142.500	0.00	0.01	0.017	O	|	|	|	0.02
142.583	0.00	0.01	0.016	O	|	|	|	0.02
142.667	0.00	0.01	0.016	O	|	|	|	0.02
142.750	0.00	0.01	0.016	O	|	|	|	0.02
142.833	0.00	0.01	0.016	O	|	|	|	0.02
142.917	0.00	0.01	0.016	O	|	|	|	0.02
143.000	0.00	0.01	0.016	O	|	|	|	0.02
143.083	0.00	0.01	0.016	O	|	|	|	0.02
143.167	0.00	0.01	0.016	O	|	|	|	0.02
143.250	0.00	0.01	0.016	O	|	|	|	0.02
143.333	0.00	0.01	0.016	O	|	|	|	0.02
143.417	0.00	0.01	0.016	O	|	|	|	0.02
143.500	0.00	0.01	0.016	O	|	|	|	0.02
143.583	0.00	0.01	0.016	O	|	|	|	0.02
143.667	0.00	0.01	0.016	O	|	|	|	0.02
143.750	0.00	0.01	0.016	O	|	|	|	0.02
143.833	0.00	0.01	0.016	O	|	|	|	0.02
143.917	0.00	0.01	0.016	O	|	|	|	0.02
144.000	0.00	0.01	0.016	O	|	|	|	0.02
144.083	0.00	0.01	0.015	O	|	|	|	0.02
144.167	0.00	0.01	0.015	O	|	|	|	0.02
144.250	0.00	0.01	0.015	O	|	|	|	0.02
144.333	0.00	0.01	0.015	O	|	|	|	0.02
144.417	0.00	0.01	0.015	O	|	|	|	0.02
144.500	0.00	0.01	0.015	O	|	|	|	0.02
144.583	0.00	0.01	0.015	O	|	|	|	0.02
144.667	0.00	0.01	0.015	O	|	|	|	0.02
144.750	0.00	0.01	0.015	O	|	|	|	0.02
144.833	0.00	0.01	0.015	O	|	|	|	0.02
144.917	0.00	0.01	0.015	O	|	|	|	0.02
145.000	0.00	0.01	0.015	O	|	|	|	0.02
145.083	0.00	0.01	0.015	O	|	|	|	0.02
145.167	0.00	0.01	0.015	O	|	|	|	0.02
145.250	0.00	0.01	0.015	O	|	|	|	0.02
145.333	0.00	0.01	0.015	O	|	|	|	0.02
145.417	0.00	0.01	0.015	O	|	|	|	0.02
145.500	0.00	0.01	0.015	O	|	|	|	0.02
145.583	0.00	0.01	0.015	O	|	|	|	0.02

145.667	0.00	0.01	0.014	O	|	|	|	|	0.02
145.750	0.00	0.01	0.014	O	|	|	|	|	0.02
145.833	0.00	0.01	0.014	O	|	|	|	|	0.02
145.917	0.00	0.01	0.014	O	|	|	|	|	0.02
146.000	0.00	0.01	0.014	O	|	|	|	|	0.02
146.083	0.00	0.01	0.014	O	|	|	|	|	0.02
146.167	0.00	0.01	0.014	O	|	|	|	|	0.02
146.250	0.00	0.01	0.014	O	|	|	|	|	0.02
146.333	0.00	0.01	0.014	O	|	|	|	|	0.02
146.417	0.00	0.01	0.014	O	|	|	|	|	0.02
146.500	0.00	0.01	0.014	O	|	|	|	|	0.02
146.583	0.00	0.01	0.014	O	|	|	|	|	0.02
146.667	0.00	0.01	0.014	O	|	|	|	|	0.02
146.750	0.00	0.01	0.014	O	|	|	|	|	0.02
146.833	0.00	0.01	0.014	O	|	|	|	|	0.02
146.917	0.00	0.01	0.014	O	|	|	|	|	0.02
147.000	0.00	0.01	0.014	O	|	|	|	|	0.02
147.083	0.00	0.01	0.014	O	|	|	|	|	0.02
147.167	0.00	0.01	0.014	O	|	|	|	|	0.02
147.250	0.00	0.01	0.014	O	|	|	|	|	0.02
147.333	0.00	0.01	0.014	O	|	|	|	|	0.02
147.417	0.00	0.01	0.013	O	|	|	|	|	0.02
147.500	0.00	0.01	0.013	O	|	|	|	|	0.02
147.583	0.00	0.01	0.013	O	|	|	|	|	0.02
147.667	0.00	0.01	0.013	O	|	|	|	|	0.02
147.750	0.00	0.01	0.013	O	|	|	|	|	0.02
147.833	0.00	0.01	0.013	O	|	|	|	|	0.02
147.917	0.00	0.01	0.013	O	|	|	|	|	0.02
148.000	0.00	0.01	0.013	O	|	|	|	|	0.02
148.083	0.00	0.01	0.013	O	|	|	|	|	0.02
148.167	0.00	0.01	0.013	O	|	|	|	|	0.02
148.250	0.00	0.01	0.013	O	|	|	|	|	0.02
148.333	0.00	0.01	0.013	O	|	|	|	|	0.02
148.417	0.00	0.01	0.013	O	|	|	|	|	0.02
148.500	0.00	0.01	0.013	O	|	|	|	|	0.02
148.583	0.00	0.01	0.013	O	|	|	|	|	0.02
148.667	0.00	0.01	0.013	O	|	|	|	|	0.02
148.750	0.00	0.01	0.013	O	|	|	|	|	0.02
148.833	0.00	0.01	0.013	O	|	|	|	|	0.02
148.917	0.00	0.01	0.013	O	|	|	|	|	0.02
149.000	0.00	0.01	0.013	O	|	|	|	|	0.02
149.083	0.00	0.01	0.013	O	|	|	|	|	0.02
149.167	0.00	0.01	0.013	O	|	|	|	|	0.02
149.250	0.00	0.01	0.012	O	|	|	|	|	0.02
149.333	0.00	0.01	0.012	O	|	|	|	|	0.02
149.417	0.00	0.01	0.012	O	|	|	|	|	0.02
149.500	0.00	0.01	0.012	O	|	|	|	|	0.02
149.583	0.00	0.01	0.012	O	|	|	|	|	0.02
149.667	0.00	0.01	0.012	O	|	|	|	|	0.02
149.750	0.00	0.01	0.012	O	|	|	|	|	0.02
149.833	0.00	0.01	0.012	O	|	|	|	|	0.02
149.917	0.00	0.01	0.012	O	|	|	|	|	0.02
150.000	0.00	0.01	0.012	O	|	|	|	|	0.02
150.083	0.00	0.01	0.012	O	|	|	|	|	0.02
150.167	0.00	0.01	0.012	O	|	|	|	|	0.02
150.250	0.00	0.01	0.012	O	|	|	|	|	0.02
150.333	0.00	0.01	0.012	O	|	|	|	|	0.02
150.417	0.00	0.01	0.012	O	|	|	|	|	0.02
150.500	0.00	0.01	0.012	O	|	|	|	|	0.02
150.583	0.00	0.01	0.012	O	|	|	|	|	0.02
150.667	0.00	0.01	0.012	O	|	|	|	|	0.02
150.750	0.00	0.01	0.012	O	|	|	|	|	0.02
150.833	0.00	0.01	0.012	O	|	|	|	|	0.02
150.917	0.00	0.01	0.012	O	|	|	|	|	0.02
151.000	0.00	0.01	0.012	O	|	|	|	|	0.02
151.083	0.00	0.01	0.012	O	|	|	|	|	0.02
151.167	0.00	0.01	0.012	O	|	|	|	|	0.02

151.250	0.00	0.01	0.011	O	|	|	|	|	0.02
151.333	0.00	0.01	0.011	O	|	|	|	|	0.02
151.417	0.00	0.01	0.011	O	|	|	|	|	0.02
151.500	0.00	0.01	0.011	O	|	|	|	|	0.02
151.583	0.00	0.01	0.011	O	|	|	|	|	0.02
151.667	0.00	0.01	0.011	O	|	|	|	|	0.02
151.750	0.00	0.01	0.011	O	|	|	|	|	0.02
151.833	0.00	0.01	0.011	O	|	|	|	|	0.02
151.917	0.00	0.01	0.011	O	|	|	|	|	0.02
152.000	0.00	0.01	0.011	O	|	|	|	|	0.02
152.083	0.00	0.01	0.011	O	|	|	|	|	0.02
152.167	0.00	0.01	0.011	O	|	|	|	|	0.02
152.250	0.00	0.01	0.011	O	|	|	|	|	0.02
152.333	0.00	0.01	0.011	O	|	|	|	|	0.02
152.417	0.00	0.01	0.011	O	|	|	|	|	0.02
152.500	0.00	0.01	0.011	O	|	|	|	|	0.02
152.583	0.00	0.01	0.011	O	|	|	|	|	0.02
152.667	0.00	0.01	0.011	O	|	|	|	|	0.02
152.750	0.00	0.01	0.011	O	|	|	|	|	0.02
152.833	0.00	0.01	0.011	O	|	|	|	|	0.02
152.917	0.00	0.01	0.011	O	|	|	|	|	0.02
153.000	0.00	0.01	0.011	O	|	|	|	|	0.02
153.083	0.00	0.01	0.011	O	|	|	|	|	0.01
153.167	0.00	0.01	0.011	O	|	|	|	|	0.01
153.250	0.00	0.01	0.011	O	|	|	|	|	0.01
153.333	0.00	0.01	0.011	O	|	|	|	|	0.01
153.417	0.00	0.01	0.010	O	|	|	|	|	0.01
153.500	0.00	0.01	0.010	O	|	|	|	|	0.01
153.583	0.00	0.01	0.010	O	|	|	|	|	0.01
153.667	0.00	0.01	0.010	O	|	|	|	|	0.01
153.750	0.00	0.01	0.010	O	|	|	|	|	0.01
153.833	0.00	0.01	0.010	O	|	|	|	|	0.01
153.917	0.00	0.01	0.010	O	|	|	|	|	0.01
154.000	0.00	0.01	0.010	O	|	|	|	|	0.01
154.083	0.00	0.01	0.010	O	|	|	|	|	0.01
154.167	0.00	0.01	0.010	O	|	|	|	|	0.01
154.250	0.00	0.01	0.010	O	|	|	|	|	0.01
154.333	0.00	0.01	0.010	O	|	|	|	|	0.01
154.417	0.00	0.01	0.010	O	|	|	|	|	0.01
154.500	0.00	0.01	0.010	O	|	|	|	|	0.01
154.583	0.00	0.01	0.010	O	|	|	|	|	0.01
154.667	0.00	0.01	0.010	O	|	|	|	|	0.01
154.750	0.00	0.01	0.010	O	|	|	|	|	0.01
154.833	0.00	0.01	0.010	O	|	|	|	|	0.01
154.917	0.00	0.00	0.010	O	|	|	|	|	0.01
155.000	0.00	0.00	0.010	O	|	|	|	|	0.01
155.083	0.00	0.00	0.010	O	|	|	|	|	0.01
155.167	0.00	0.00	0.010	O	|	|	|	|	0.01
155.250	0.00	0.00	0.010	O	|	|	|	|	0.01
155.333	0.00	0.00	0.010	O	|	|	|	|	0.01
155.417	0.00	0.00	0.010	O	|	|	|	|	0.01
155.500	0.00	0.00	0.010	O	|	|	|	|	0.01
155.583	0.00	0.00	0.010	O	|	|	|	|	0.01
155.667	0.00	0.00	0.010	O	|	|	|	|	0.01
155.750	0.00	0.00	0.009	O	|	|	|	|	0.01
155.833	0.00	0.00	0.009	O	|	|	|	|	0.01
155.917	0.00	0.00	0.009	O	|	|	|	|	0.01
156.000	0.00	0.00	0.009	O	|	|	|	|	0.01
156.083	0.00	0.00	0.009	O	|	|	|	|	0.01
156.167	0.00	0.00	0.009	O	|	|	|	|	0.01
156.250	0.00	0.00	0.009	O	|	|	|	|	0.01
156.333	0.00	0.00	0.009	O	|	|	|	|	0.01
156.417	0.00	0.00	0.009	O	|	|	|	|	0.01
156.500	0.00	0.00	0.009	O	|	|	|	|	0.01
156.583	0.00	0.00	0.009	O	|	|	|	|	0.01
156.667	0.00	0.00	0.009	O	|	|	|	|	0.01
156.750	0.00	0.00	0.009	O	|	|	|	|	0.01

156.833	0.00	0.00	0.009	O	|	|	|	| 0.01
156.917	0.00	0.00	0.009	O	|	|	|	| 0.01
157.000	0.00	0.00	0.009	O	|	|	|	| 0.01
157.083	0.00	0.00	0.009	O	|	|	|	| 0.01
157.167	0.00	0.00	0.009	O	|	|	|	| 0.01
157.250	0.00	0.00	0.009	O	|	|	|	| 0.01
157.333	0.00	0.00	0.009	O	|	|	|	| 0.01
157.417	0.00	0.00	0.009	O	|	|	|	| 0.01
157.500	0.00	0.00	0.009	O	|	|	|	| 0.01
157.583	0.00	0.00	0.009	O	|	|	|	| 0.01
157.667	0.00	0.00	0.009	O	|	|	|	| 0.01
157.750	0.00	0.00	0.009	O	|	|	|	| 0.01
157.833	0.00	0.00	0.009	O	|	|	|	| 0.01
157.917	0.00	0.00	0.009	O	|	|	|	| 0.01
158.000	0.00	0.00	0.009	O	|	|	|	| 0.01
158.083	0.00	0.00	0.009	O	|	|	|	| 0.01
158.167	0.00	0.00	0.009	O	|	|	|	| 0.01
158.250	0.00	0.00	0.009	O	|	|	|	| 0.01
158.333	0.00	0.00	0.009	O	|	|	|	| 0.01
158.417	0.00	0.00	0.008	O	|	|	|	| 0.01
158.500	0.00	0.00	0.008	O	|	|	|	| 0.01
158.583	0.00	0.00	0.008	O	|	|	|	| 0.01
158.667	0.00	0.00	0.008	O	|	|	|	| 0.01
158.750	0.00	0.00	0.008	O	|	|	|	| 0.01
158.833	0.00	0.00	0.008	O	|	|	|	| 0.01
158.917	0.00	0.00	0.008	O	|	|	|	| 0.01
159.000	0.00	0.00	0.008	O	|	|	|	| 0.01
159.083	0.00	0.00	0.008	O	|	|	|	| 0.01
159.167	0.00	0.00	0.008	O	|	|	|	| 0.01
159.250	0.00	0.00	0.008	O	|	|	|	| 0.01
159.333	0.00	0.00	0.008	O	|	|	|	| 0.01
159.417	0.00	0.00	0.008	O	|	|	|	| 0.01
159.500	0.00	0.00	0.008	O	|	|	|	| 0.01
159.583	0.00	0.00	0.008	O	|	|	|	| 0.01
159.667	0.00	0.00	0.008	O	|	|	|	| 0.01
159.750	0.00	0.00	0.008	O	|	|	|	| 0.01
159.833	0.00	0.00	0.008	O	|	|	|	| 0.01
159.917	0.00	0.00	0.008	O	|	|	|	| 0.01
160.000	0.00	0.00	0.008	O	|	|	|	| 0.01
160.083	0.00	0.00	0.008	O	|	|	|	| 0.01
160.167	0.00	0.00	0.008	O	|	|	|	| 0.01
160.250	0.00	0.00	0.008	O	|	|	|	| 0.01
160.333	0.00	0.00	0.008	O	|	|	|	| 0.01
160.417	0.00	0.00	0.008	O	|	|	|	| 0.01
160.500	0.00	0.00	0.008	O	|	|	|	| 0.01
160.583	0.00	0.00	0.008	O	|	|	|	| 0.01
160.667	0.00	0.00	0.008	O	|	|	|	| 0.01
160.750	0.00	0.00	0.008	O	|	|	|	| 0.01
160.833	0.00	0.00	0.008	O	|	|	|	| 0.01
160.917	0.00	0.00	0.008	O	|	|	|	| 0.01
161.000	0.00	0.00	0.008	O	|	|	|	| 0.01
161.083	0.00	0.00	0.008	O	|	|	|	| 0.01
161.167	0.00	0.00	0.008	O	|	|	|	| 0.01
161.250	0.00	0.00	0.008	O	|	|	|	| 0.01
161.333	0.00	0.00	0.008	O	|	|	|	| 0.01
161.417	0.00	0.00	0.007	O	|	|	|	| 0.01
161.500	0.00	0.00	0.007	O	|	|	|	| 0.01
161.583	0.00	0.00	0.007	O	|	|	|	| 0.01
161.667	0.00	0.00	0.007	O	|	|	|	| 0.01
161.750	0.00	0.00	0.007	O	|	|	|	| 0.01
161.833	0.00	0.00	0.007	O	|	|	|	| 0.01
161.917	0.00	0.00	0.007	O	|	|	|	| 0.01
162.000	0.00	0.00	0.007	O	|	|	|	| 0.01
162.083	0.00	0.00	0.007	O	|	|	|	| 0.01
162.167	0.00	0.00	0.007	O	|	|	|	| 0.01
162.250	0.00	0.00	0.007	O	|	|	|	| 0.01
162.333	0.00	0.00	0.007	O	|	|	|	| 0.01

162.417	0.00	0.00	0.007	O	|	|	|	|	0.01
162.500	0.00	0.00	0.007	O	|	|	|	|	0.01
162.583	0.00	0.00	0.007	O	|	|	|	|	0.01
162.667	0.00	0.00	0.007	O	|	|	|	|	0.01
162.750	0.00	0.00	0.007	O	|	|	|	|	0.01
162.833	0.00	0.00	0.007	O	|	|	|	|	0.01
162.917	0.00	0.00	0.007	O	|	|	|	|	0.01
163.000	0.00	0.00	0.007	O	|	|	|	|	0.01
163.083	0.00	0.00	0.007	O	|	|	|	|	0.01
163.167	0.00	0.00	0.007	O	|	|	|	|	0.01
163.250	0.00	0.00	0.007	O	|	|	|	|	0.01
163.333	0.00	0.00	0.007	O	|	|	|	|	0.01
163.417	0.00	0.00	0.007	O	|	|	|	|	0.01
163.500	0.00	0.00	0.007	O	|	|	|	|	0.01
163.583	0.00	0.00	0.007	O	|	|	|	|	0.01
163.667	0.00	0.00	0.007	O	|	|	|	|	0.01
163.750	0.00	0.00	0.007	O	|	|	|	|	0.01
163.833	0.00	0.00	0.007	O	|	|	|	|	0.01
163.917	0.00	0.00	0.007	O	|	|	|	|	0.01
164.000	0.00	0.00	0.007	O	|	|	|	|	0.01
164.083	0.00	0.00	0.007	O	|	|	|	|	0.01
164.167	0.00	0.00	0.007	O	|	|	|	|	0.01
164.250	0.00	0.00	0.007	O	|	|	|	|	0.01
164.333	0.00	0.00	0.007	O	|	|	|	|	0.01
164.417	0.00	0.00	0.007	O	|	|	|	|	0.01
164.500	0.00	0.00	0.007	O	|	|	|	|	0.01
164.583	0.00	0.00	0.007	O	|	|	|	|	0.01
164.667	0.00	0.00	0.007	O	|	|	|	|	0.01
164.750	0.00	0.00	0.007	O	|	|	|	|	0.01
164.833	0.00	0.00	0.006	O	|	|	|	|	0.01
164.917	0.00	0.00	0.006	O	|	|	|	|	0.01
165.000	0.00	0.00	0.006	O	|	|	|	|	0.01
165.083	0.00	0.00	0.006	O	|	|	|	|	0.01
165.167	0.00	0.00	0.006	O	|	|	|	|	0.01
165.250	0.00	0.00	0.006	O	|	|	|	|	0.01
165.333	0.00	0.00	0.006	O	|	|	|	|	0.01
165.417	0.00	0.00	0.006	O	|	|	|	|	0.01
165.500	0.00	0.00	0.006	O	|	|	|	|	0.01
165.583	0.00	0.00	0.006	O	|	|	|	|	0.01
165.667	0.00	0.00	0.006	O	|	|	|	|	0.01
165.750	0.00	0.00	0.006	O	|	|	|	|	0.01
165.833	0.00	0.00	0.006	O	|	|	|	|	0.01
165.917	0.00	0.00	0.006	O	|	|	|	|	0.01
166.000	0.00	0.00	0.006	O	|	|	|	|	0.01
166.083	0.00	0.00	0.006	O	|	|	|	|	0.01
166.167	0.00	0.00	0.006	O	|	|	|	|	0.01
166.250	0.00	0.00	0.006	O	|	|	|	|	0.01
166.333	0.00	0.00	0.006	O	|	|	|	|	0.01
166.417	0.00	0.00	0.006	O	|	|	|	|	0.01
166.500	0.00	0.00	0.006	O	|	|	|	|	0.01
166.583	0.00	0.00	0.006	O	|	|	|	|	0.01
166.667	0.00	0.00	0.006	O	|	|	|	|	0.01
166.750	0.00	0.00	0.006	O	|	|	|	|	0.01
166.833	0.00	0.00	0.006	O	|	|	|	|	0.01
166.917	0.00	0.00	0.006	O	|	|	|	|	0.01
167.000	0.00	0.00	0.006	O	|	|	|	|	0.01
167.083	0.00	0.00	0.006	O	|	|	|	|	0.01
167.167	0.00	0.00	0.006	O	|	|	|	|	0.01
167.250	0.00	0.00	0.006	O	|	|	|	|	0.01
167.333	0.00	0.00	0.006	O	|	|	|	|	0.01
167.417	0.00	0.00	0.006	O	|	|	|	|	0.01
167.500	0.00	0.00	0.006	O	|	|	|	|	0.01
167.583	0.00	0.00	0.006	O	|	|	|	|	0.01
167.667	0.00	0.00	0.006	O	|	|	|	|	0.01
167.750	0.00	0.00	0.006	O	|	|	|	|	0.01
167.833	0.00	0.00	0.006	O	|	|	|	|	0.01
167.917	0.00	0.00	0.006	O	|	|	|	|	0.01

168.000	0.00	0.00	0.006	O					0.01
168.083	0.00	0.00	0.006	O					0.01
168.167	0.00	0.00	0.006	O					0.01
168.250	0.00	0.00	0.006	O					0.01
168.333	0.00	0.00	0.006	O					0.01
168.417	0.00	0.00	0.006	O					0.01
168.500	0.00	0.00	0.006	O					0.01
168.583	0.00	0.00	0.006	O					0.01
168.667	0.00	0.00	0.006	O					0.01
168.750	0.00	0.00	0.006	O					0.01
168.833	0.00	0.00	0.005	O					0.01
168.917	0.00	0.00	0.005	O					0.01
169.000	0.00	0.00	0.005	O					0.01
169.083	0.00	0.00	0.005	O					0.01
169.167	0.00	0.00	0.005	O					0.01
169.250	0.00	0.00	0.005	O					0.01
169.333	0.00	0.00	0.005	O					0.01
169.417	0.00	0.00	0.005	O					0.01
169.500	0.00	0.00	0.005	O					0.01
169.583	0.00	0.00	0.005	O					0.01
169.667	0.00	0.00	0.005	O					0.01
169.750	0.00	0.00	0.005	O					0.01
169.833	0.00	0.00	0.005	O					0.01
169.917	0.00	0.00	0.005	O					0.01
170.000	0.00	0.00	0.005	O					0.01
170.083	0.00	0.00	0.005	O					0.01
170.167	0.00	0.00	0.005	O					0.01
170.250	0.00	0.00	0.005	O					0.01
170.333	0.00	0.00	0.005	O					0.01
170.417	0.00	0.00	0.005	O					0.01
170.500	0.00	0.00	0.005	O					0.01
170.583	0.00	0.00	0.005	O					0.01
170.667	0.00	0.00	0.005	O					0.01
170.750	0.00	0.00	0.005	O					0.01
170.833	0.00	0.00	0.005	O					0.01
170.917	0.00	0.00	0.005	O					0.01
171.000	0.00	0.00	0.005	O					0.01
171.083	0.00	0.00	0.005	O					0.01
171.167	0.00	0.00	0.005	O					0.01
171.250	0.00	0.00	0.005	O					0.01
171.333	0.00	0.00	0.005	O					0.01
171.417	0.00	0.00	0.005	O					0.01
171.500	0.00	0.00	0.005	O					0.01
171.583	0.00	0.00	0.005	O					0.01
171.667	0.00	0.00	0.005	O					0.01
171.750	0.00	0.00	0.005	O					0.01
171.833	0.00	0.00	0.005	O					0.01
171.917	0.00	0.00	0.005	O					0.01
172.000	0.00	0.00	0.005	O					0.01
172.083	0.00	0.00	0.005	O					0.01
172.167	0.00	0.00	0.005	O					0.01
172.250	0.00	0.00	0.005	O					0.01
172.333	0.00	0.00	0.005	O					0.01
172.417	0.00	0.00	0.005	O					0.01
172.500	0.00	0.00	0.005	O					0.01
172.583	0.00	0.00	0.005	O					0.01
172.667	0.00	0.00	0.005	O					0.01
172.750	0.00	0.00	0.005	O					0.01
172.833	0.00	0.00	0.005	O					0.01
172.917	0.00	0.00	0.005	O					0.01
173.000	0.00	0.00	0.005	O					0.01
173.083	0.00	0.00	0.005	O					0.01
173.167	0.00	0.00	0.005	O					0.01
173.250	0.00	0.00	0.005	O					0.01
173.333	0.00	0.00	0.005	O					0.01
173.417	0.00	0.00	0.005	O					0.01
173.500	0.00	0.00	0.005	O					0.01

173.583	0.00	0.00	0.004	O					0.01
173.667	0.00	0.00	0.004	O					0.01
173.750	0.00	0.00	0.004	O					0.01
173.833	0.00	0.00	0.004	O					0.01
173.917	0.00	0.00	0.004	O					0.01
174.000	0.00	0.00	0.004	O					0.01
174.083	0.00	0.00	0.004	O					0.01
174.167	0.00	0.00	0.004	O					0.01
174.250	0.00	0.00	0.004	O					0.01
174.333	0.00	0.00	0.004	O					0.01
174.417	0.00	0.00	0.004	O					0.01
174.500	0.00	0.00	0.004	O					0.01
174.583	0.00	0.00	0.004	O					0.01
174.667	0.00	0.00	0.004	O					0.01
174.750	0.00	0.00	0.004	O					0.01
174.833	0.00	0.00	0.004	O					0.01
174.917	0.00	0.00	0.004	O					0.01
175.000	0.00	0.00	0.004	O					0.01
175.083	0.00	0.00	0.004	O					0.01
175.167	0.00	0.00	0.004	O					0.01
175.250	0.00	0.00	0.004	O					0.01
175.333	0.00	0.00	0.004	O					0.01
175.417	0.00	0.00	0.004	O					0.01
175.500	0.00	0.00	0.004	O					0.01
175.583	0.00	0.00	0.004	O					0.01
175.667	0.00	0.00	0.004	O					0.01
175.750	0.00	0.00	0.004	O					0.01
175.833	0.00	0.00	0.004	O					0.01
175.917	0.00	0.00	0.004	O					0.01
176.000	0.00	0.00	0.004	O					0.01
176.083	0.00	0.00	0.004	O					0.01
176.167	0.00	0.00	0.004	O					0.01
176.250	0.00	0.00	0.004	O					0.01
176.333	0.00	0.00	0.004	O					0.01
176.417	0.00	0.00	0.004	O					0.01
176.500	0.00	0.00	0.004	O					0.01
176.583	0.00	0.00	0.004	O					0.01
176.667	0.00	0.00	0.004	O					0.01
176.750	0.00	0.00	0.004	O					0.01
176.833	0.00	0.00	0.004	O					0.01
176.917	0.00	0.00	0.004	O					0.01
177.000	0.00	0.00	0.004	O					0.01
177.083	0.00	0.00	0.004	O					0.01
177.167	0.00	0.00	0.004	O					0.01
177.250	0.00	0.00	0.004	O					0.01
177.333	0.00	0.00	0.004	O					0.01
177.417	0.00	0.00	0.004	O					0.01
177.500	0.00	0.00	0.004	O					0.01
177.583	0.00	0.00	0.004	O					0.01
177.667	0.00	0.00	0.004	O					0.01
177.750	0.00	0.00	0.004	O					0.01
177.833	0.00	0.00	0.004	O					0.01
177.917	0.00	0.00	0.004	O					0.01
178.000	0.00	0.00	0.004	O					0.01
178.083	0.00	0.00	0.004	O					0.01
178.167	0.00	0.00	0.004	O					0.01
178.250	0.00	0.00	0.004	O					0.01
178.333	0.00	0.00	0.004	O					0.01
178.417	0.00	0.00	0.004	O					0.01
178.500	0.00	0.00	0.004	O					0.01
178.583	0.00	0.00	0.004	O					0.01
178.667	0.00	0.00	0.004	O					0.01
178.750	0.00	0.00	0.004	O					0.01
178.833	0.00	0.00	0.004	O					0.01
178.917	0.00	0.00	0.004	O					0.01
179.000	0.00	0.00	0.004	O					0.01
179.083	0.00	0.00	0.004	O					0.01

179.167	0.00	0.00	0.004	O	|	|	|	|	0.01
179.250	0.00	0.00	0.004	O	|	|	|	|	0.00
179.333	0.00	0.00	0.004	O	|	|	|	|	0.00
179.417	0.00	0.00	0.004	O	|	|	|	|	0.00
179.500	0.00	0.00	0.004	O	|	|	|	|	0.00
179.583	0.00	0.00	0.003	O	|	|	|	|	0.00
179.667	0.00	0.00	0.003	O	|	|	|	|	0.00
179.750	0.00	0.00	0.003	O	|	|	|	|	0.00
179.833	0.00	0.00	0.003	O	|	|	|	|	0.00
179.917	0.00	0.00	0.003	O	|	|	|	|	0.00
180.000	0.00	0.00	0.003	O	|	|	|	|	0.00
180.083	0.00	0.00	0.003	O	|	|	|	|	0.00
180.167	0.00	0.00	0.003	O	|	|	|	|	0.00
180.250	0.00	0.00	0.003	O	|	|	|	|	0.00
180.333	0.00	0.00	0.003	O	|	|	|	|	0.00
180.417	0.00	0.00	0.003	O	|	|	|	|	0.00
180.500	0.00	0.00	0.003	O	|	|	|	|	0.00
180.583	0.00	0.00	0.003	O	|	|	|	|	0.00
180.667	0.00	0.00	0.003	O	|	|	|	|	0.00
180.750	0.00	0.00	0.003	O	|	|	|	|	0.00
180.833	0.00	0.00	0.003	O	|	|	|	|	0.00
180.917	0.00	0.00	0.003	O	|	|	|	|	0.00
181.000	0.00	0.00	0.003	O	|	|	|	|	0.00
181.083	0.00	0.00	0.003	O	|	|	|	|	0.00
181.167	0.00	0.00	0.003	O	|	|	|	|	0.00
181.250	0.00	0.00	0.003	O	|	|	|	|	0.00
181.333	0.00	0.00	0.003	O	|	|	|	|	0.00
181.417	0.00	0.00	0.003	O	|	|	|	|	0.00
181.500	0.00	0.00	0.003	O	|	|	|	|	0.00
181.583	0.00	0.00	0.003	O	|	|	|	|	0.00
181.667	0.00	0.00	0.003	O	|	|	|	|	0.00
181.750	0.00	0.00	0.003	O	|	|	|	|	0.00
181.833	0.00	0.00	0.003	O	|	|	|	|	0.00
181.917	0.00	0.00	0.003	O	|	|	|	|	0.00
182.000	0.00	0.00	0.003	O	|	|	|	|	0.00
182.083	0.00	0.00	0.003	O	|	|	|	|	0.00
182.167	0.00	0.00	0.003	O	|	|	|	|	0.00
182.250	0.00	0.00	0.003	O	|	|	|	|	0.00
182.333	0.00	0.00	0.003	O	|	|	|	|	0.00
182.417	0.00	0.00	0.003	O	|	|	|	|	0.00
182.500	0.00	0.00	0.003	O	|	|	|	|	0.00
182.583	0.00	0.00	0.003	O	|	|	|	|	0.00
182.667	0.00	0.00	0.003	O	|	|	|	|	0.00
182.750	0.00	0.00	0.003	O	|	|	|	|	0.00
182.833	0.00	0.00	0.003	O	|	|	|	|	0.00
182.917	0.00	0.00	0.003	O	|	|	|	|	0.00
183.000	0.00	0.00	0.003	O	|	|	|	|	0.00
183.083	0.00	0.00	0.003	O	|	|	|	|	0.00
183.167	0.00	0.00	0.003	O	|	|	|	|	0.00
183.250	0.00	0.00	0.003	O	|	|	|	|	0.00
183.333	0.00	0.00	0.003	O	|	|	|	|	0.00
183.417	0.00	0.00	0.003	O	|	|	|	|	0.00
183.500	0.00	0.00	0.003	O	|	|	|	|	0.00
183.583	0.00	0.00	0.003	O	|	|	|	|	0.00
183.667	0.00	0.00	0.003	O	|	|	|	|	0.00
183.750	0.00	0.00	0.003	O	|	|	|	|	0.00
183.833	0.00	0.00	0.003	O	|	|	|	|	0.00
183.917	0.00	0.00	0.003	O	|	|	|	|	0.00
184.000	0.00	0.00	0.003	O	|	|	|	|	0.00
184.083	0.00	0.00	0.003	O	|	|	|	|	0.00
184.167	0.00	0.00	0.003	O	|	|	|	|	0.00
184.250	0.00	0.00	0.003	O	|	|	|	|	0.00
184.333	0.00	0.00	0.003	O	|	|	|	|	0.00
184.417	0.00	0.00	0.003	O	|	|	|	|	0.00
184.500	0.00	0.00	0.003	O	|	|	|	|	0.00
184.583	0.00	0.00	0.003	O	|	|	|	|	0.00
184.667	0.00	0.00	0.003	O	|	|	|	|	0.00

184.750	0.00	0.00	0.003	O	|	|	|	0.00
184.833	0.00	0.00	0.003	O	|	|	|	0.00
184.917	0.00	0.00	0.003	O	|	|	|	0.00
185.000	0.00	0.00	0.003	O	|	|	|	0.00
185.083	0.00	0.00	0.003	O	|	|	|	0.00
185.167	0.00	0.00	0.003	O	|	|	|	0.00
185.250	0.00	0.00	0.003	O	|	|	|	0.00
185.333	0.00	0.00	0.003	O	|	|	|	0.00
185.417	0.00	0.00	0.003	O	|	|	|	0.00
185.500	0.00	0.00	0.003	O	|	|	|	0.00
185.583	0.00	0.00	0.003	O	|	|	|	0.00
185.667	0.00	0.00	0.003	O	|	|	|	0.00
185.750	0.00	0.00	0.003	O	|	|	|	0.00
185.833	0.00	0.00	0.003	O	|	|	|	0.00
185.917	0.00	0.00	0.003	O	|	|	|	0.00
186.000	0.00	0.00	0.003	O	|	|	|	0.00
186.083	0.00	0.00	0.003	O	|	|	|	0.00
186.167	0.00	0.00	0.003	O	|	|	|	0.00
186.250	0.00	0.00	0.003	O	|	|	|	0.00
186.333	0.00	0.00	0.003	O	|	|	|	0.00
186.417	0.00	0.00	0.003	O	|	|	|	0.00
186.500	0.00	0.00	0.003	O	|	|	|	0.00
186.583	0.00	0.00	0.003	O	|	|	|	0.00
186.667	0.00	0.00	0.003	O	|	|	|	0.00
186.750	0.00	0.00	0.003	O	|	|	|	0.00
186.833	0.00	0.00	0.003	O	|	|	|	0.00
186.917	0.00	0.00	0.003	O	|	|	|	0.00
187.000	0.00	0.00	0.003	O	|	|	|	0.00
187.083	0.00	0.00	0.003	O	|	|	|	0.00
187.167	0.00	0.00	0.003	O	|	|	|	0.00
187.250	0.00	0.00	0.003	O	|	|	|	0.00
187.333	0.00	0.00	0.003	O	|	|	|	0.00
187.417	0.00	0.00	0.003	O	|	|	|	0.00
187.500	0.00	0.00	0.003	O	|	|	|	0.00
187.583	0.00	0.00	0.003	O	|	|	|	0.00
187.667	0.00	0.00	0.002	O	|	|	|	0.00
187.750	0.00	0.00	0.002	O	|	|	|	0.00
187.833	0.00	0.00	0.002	O	|	|	|	0.00
187.917	0.00	0.00	0.002	O	|	|	|	0.00
188.000	0.00	0.00	0.002	O	|	|	|	0.00
188.083	0.00	0.00	0.002	O	|	|	|	0.00
188.167	0.00	0.00	0.002	O	|	|	|	0.00
188.250	0.00	0.00	0.002	O	|	|	|	0.00
188.333	0.00	0.00	0.002	O	|	|	|	0.00
188.417	0.00	0.00	0.002	O	|	|	|	0.00
188.500	0.00	0.00	0.002	O	|	|	|	0.00
188.583	0.00	0.00	0.002	O	|	|	|	0.00
188.667	0.00	0.00	0.002	O	|	|	|	0.00
188.750	0.00	0.00	0.002	O	|	|	|	0.00
188.833	0.00	0.00	0.002	O	|	|	|	0.00
188.917	0.00	0.00	0.002	O	|	|	|	0.00
189.000	0.00	0.00	0.002	O	|	|	|	0.00
189.083	0.00	0.00	0.002	O	|	|	|	0.00
189.167	0.00	0.00	0.002	O	|	|	|	0.00
189.250	0.00	0.00	0.002	O	|	|	|	0.00
189.333	0.00	0.00	0.002	O	|	|	|	0.00
189.417	0.00	0.00	0.002	O	|	|	|	0.00
189.500	0.00	0.00	0.002	O	|	|	|	0.00
189.583	0.00	0.00	0.002	O	|	|	|	0.00
189.667	0.00	0.00	0.002	O	|	|	|	0.00
189.750	0.00	0.00	0.002	O	|	|	|	0.00
189.833	0.00	0.00	0.002	O	|	|	|	0.00
189.917	0.00	0.00	0.002	O	|	|	|	0.00
190.000	0.00	0.00	0.002	O	|	|	|	0.00
190.083	0.00	0.00	0.002	O	|	|	|	0.00
190.167	0.00	0.00	0.002	O	|	|	|	0.00
190.250	0.00	0.00	0.002	O	|	|	|	0.00

190.333	0.00	0.00	0.002	O	|	|	|	|	0.00
190.417	0.00	0.00	0.002	O	|	|	|	|	0.00
190.500	0.00	0.00	0.002	O	|	|	|	|	0.00
190.583	0.00	0.00	0.002	O	|	|	|	|	0.00
190.667	0.00	0.00	0.002	O	|	|	|	|	0.00
190.750	0.00	0.00	0.002	O	|	|	|	|	0.00
190.833	0.00	0.00	0.002	O	|	|	|	|	0.00
190.917	0.00	0.00	0.002	O	|	|	|	|	0.00
191.000	0.00	0.00	0.002	O	|	|	|	|	0.00
191.083	0.00	0.00	0.002	O	|	|	|	|	0.00
191.167	0.00	0.00	0.002	O	|	|	|	|	0.00
191.250	0.00	0.00	0.002	O	|	|	|	|	0.00
191.333	0.00	0.00	0.002	O	|	|	|	|	0.00
191.417	0.00	0.00	0.002	O	|	|	|	|	0.00
191.500	0.00	0.00	0.002	O	|	|	|	|	0.00
191.583	0.00	0.00	0.002	O	|	|	|	|	0.00
191.667	0.00	0.00	0.002	O	|	|	|	|	0.00
191.750	0.00	0.00	0.002	O	|	|	|	|	0.00
191.833	0.00	0.00	0.002	O	|	|	|	|	0.00
191.917	0.00	0.00	0.002	O	|	|	|	|	0.00
192.000	0.00	0.00	0.002	O	|	|	|	|	0.00
192.083	0.00	0.00	0.002	O	|	|	|	|	0.00
192.167	0.00	0.00	0.002	O	|	|	|	|	0.00
192.250	0.00	0.00	0.002	O	|	|	|	|	0.00
192.333	0.00	0.00	0.002	O	|	|	|	|	0.00
192.417	0.00	0.00	0.002	O	|	|	|	|	0.00
192.500	0.00	0.00	0.002	O	|	|	|	|	0.00
192.583	0.00	0.00	0.002	O	|	|	|	|	0.00
192.667	0.00	0.00	0.002	O	|	|	|	|	0.00
192.750	0.00	0.00	0.002	O	|	|	|	|	0.00
192.833	0.00	0.00	0.002	O	|	|	|	|	0.00
192.917	0.00	0.00	0.002	O	|	|	|	|	0.00
193.000	0.00	0.00	0.002	O	|	|	|	|	0.00
193.083	0.00	0.00	0.002	O	|	|	|	|	0.00
193.167	0.00	0.00	0.002	O	|	|	|	|	0.00
193.250	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 2319
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.997 (CFS)
Total volume = 3.831 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRI24100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 15.968 (CFS)
Total volume = 8.643 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN I- ROUTING
100YR-24HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.710	0.360	0.709	0.711
2.000	1.520	0.620	1.518	1.522
3.000	2.440	0.800	2.437	2.443
4.000	3.480	1.790	3.474	3.486
5.000	4.630	26.090	4.540	4.720

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	4.0	7.98	11.98	15.97	Depth (Ft.)
0.083	0.44	0.00	0.002	O	|	|	|	|	0.00
0.167	0.75	0.00	0.006	OI	|	|	|	|	0.01
0.250	0.81	0.01	0.011	OI	|	|	|	|	0.02
0.333	1.02	0.01	0.017	O I	|	|	|	|	0.02
0.417	1.18	0.01	0.025	O I	|	|	|	|	0.03

0.500	1.21	0.02	0.033	O I	|	|	|	0.05
0.583	1.21	0.02	0.041	O I	|	|	|	0.06
0.667	1.21	0.02	0.049	O I	|	|	|	0.07
0.750	1.21	0.03	0.057	O I	|	|	|	0.08
0.833	1.43	0.03	0.066	O I	|	|	|	0.09
0.917	1.58	0.04	0.076	O I	|	|	|	0.11
1.000	1.61	0.04	0.087	O I	|	|	|	0.12
1.083	1.39	0.05	0.097	O I	|	|	|	0.14
1.167	1.24	0.05	0.106	O I	|	|	|	0.15
1.250	1.21	0.06	0.114	O I	|	|	|	0.16
1.333	1.21	0.06	0.122	O I	|	|	|	0.17
1.417	1.21	0.07	0.129	O I	|	|	|	0.18
1.500	1.21	0.07	0.137	O I	|	|	|	0.19
1.583	1.21	0.07	0.145	O I	|	|	|	0.20
1.667	1.21	0.08	0.153	O I	|	|	|	0.22
1.750	1.21	0.08	0.161	O I	|	|	|	0.23
1.833	1.43	0.09	0.169	O I	|	|	|	0.24
1.917	1.58	0.09	0.179	O I	|	|	|	0.25
2.000	1.61	0.10	0.189	O I	|	|	|	0.27
2.083	1.61	0.10	0.200	O I	|	|	|	0.28
2.167	1.61	0.11	0.210	O I	|	|	|	0.30
2.250	1.61	0.11	0.220	O I	|	|	|	0.31
2.333	1.61	0.12	0.231	O I	|	|	|	0.32
2.417	1.61	0.12	0.241	O I	|	|	|	0.34
2.500	1.61	0.13	0.251	O I	|	|	|	0.35
2.583	1.83	0.13	0.262	O I	|	|	|	0.37
2.667	1.98	0.14	0.274	O I	|	|	|	0.39
2.750	2.01	0.15	0.287	O I	|	|	|	0.40
2.833	2.01	0.15	0.300	O I	|	|	|	0.42
2.917	2.01	0.16	0.313	O I	|	|	|	0.44
3.000	2.01	0.17	0.326	O I	|	|	|	0.46
3.083	2.01	0.17	0.338	O I	|	|	|	0.48
3.167	2.01	0.18	0.351	O I	|	|	|	0.49
3.250	2.01	0.18	0.364	O I	|	|	|	0.51
3.333	2.01	0.19	0.376	O I	|	|	|	0.53
3.417	2.01	0.20	0.389	O I	|	|	|	0.55
3.500	2.01	0.20	0.401	O I	|	|	|	0.56
3.583	2.01	0.21	0.414	O I	|	|	|	0.58
3.667	2.01	0.22	0.426	O I	|	|	|	0.60
3.750	2.01	0.22	0.438	O I	|	|	|	0.62
3.833	2.23	0.23	0.451	O I	|	|	|	0.64
3.917	2.39	0.24	0.466	O I	|	|	|	0.66
4.000	2.42	0.24	0.481	O I	|	|	|	0.68
4.083	2.42	0.25	0.496	O I	|	|	|	0.70
4.167	2.42	0.26	0.510	O I	|	|	|	0.72
4.250	2.42	0.27	0.525	O I	|	|	|	0.74
4.333	2.63	0.27	0.541	O I	|	|	|	0.76
4.417	2.79	0.28	0.558	O I	|	|	|	0.79
4.500	2.82	0.29	0.575	O I	|	|	|	0.81
4.583	2.82	0.30	0.592	O I	|	|	|	0.83
4.667	2.82	0.31	0.610	O I	|	|	|	0.86
4.750	2.82	0.32	0.627	O I	|	|	|	0.88
4.833	3.04	0.33	0.645	O I	|	|	|	0.91
4.917	3.19	0.34	0.664	O I	|	|	|	0.94
5.000	3.22	0.35	0.684	O I	|	|	|	0.96
5.083	2.78	0.36	0.702	O I	|	|	|	0.99
5.167	2.47	0.36	0.717	O I	|	|	|	1.01
5.250	2.42	0.37	0.732	O I	|	|	|	1.03
5.333	2.63	0.37	0.747	O I	|	|	|	1.05
5.417	2.79	0.38	0.763	O I	|	|	|	1.07
5.500	2.82	0.38	0.779	O I	|	|	|	1.09
5.583	3.04	0.39	0.797	O I	|	|	|	1.11
5.667	3.19	0.39	0.816	O I	|	|	|	1.13
5.750	3.22	0.40	0.835	O I	|	|	|	1.15
5.833	3.22	0.41	0.854	O I	|	|	|	1.18
5.917	3.22	0.41	0.874	O I	|	|	|	1.20
6.000	3.22	0.42	0.893	O I	|	|	|	1.23

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 6.083    3.44    0.43      0.913  O     I |       |       |       |     1.25
 6.167    3.59    0.43      0.934  O      I|       |       |       |     1.28
 6.250    3.62    0.44      0.956  O      I|       |       |       |     1.30
 6.333    3.62    0.45      0.978  O      I|       |       |       |     1.33
 6.417    3.62    0.45      1.000  O      I|       |       |       |     1.36
 6.500    3.62    0.46      1.022  O      I|       |       |       |     1.39
 6.583    3.84    0.47      1.044  O      I|       |       |       |     1.41
 6.667    4.00    0.47      1.068  O       I       |       |       |     1.44
 6.750    4.03    0.48      1.093  O       I       |       |       |     1.47
 6.833    4.03    0.49      1.117  O       I       |       |       |     1.50
 6.917    4.03    0.50      1.141  O       I       |       |       |     1.53
 7.000    4.03    0.51      1.165  |O      I       |       |       |     1.56
 7.083    4.03    0.51      1.190  |O      I       |       |       |     1.59
 7.167    4.03    0.52      1.214  |O      I       |       |       |     1.62
 7.250    4.03    0.53      1.238  |O      I       |       |       |     1.65
 7.333    4.25    0.54      1.263  |O      I       |       |       |     1.68
 7.417    4.40    0.55      1.289  |O      I       |       |       |     1.71
 7.500    4.43    0.55      1.315  |O      I       |       |       |     1.75
 7.583    4.65    0.56      1.343  |O      |I      |       |       |     1.78
 7.667    4.80    0.57      1.371  |O      |I      |       |       |     1.82
 7.750    4.83    0.58      1.401  |O      |I      |       |       |     1.85
 7.833    5.05    0.59      1.431  |O      | I     |       |       |     1.89
 7.917    5.20    0.60      1.462  |O      | I     |       |       |     1.93
 8.000    5.23    0.61      1.494  |O      | I     |       |       |     1.97
 8.083    5.67    0.62      1.527  |O      |  I    |       |       |     2.01
 8.167    5.98    0.63      1.563  |O      |  I    |       |       |     2.05
 8.250    6.04    0.64      1.600  |O      |   I   |       |       |     2.09
 8.333    6.04    0.64      1.637  |O      |   I   |       |       |     2.13
 8.417    6.04    0.65      1.674  |O      |   I   |       |       |     2.17
 8.500    6.04    0.66      1.711  |O      |   I   |       |       |     2.21
 8.583    6.26    0.66      1.749  |O      |   I   |       |       |     2.25
 8.667    6.41    0.67      1.788  |O      |   I   |       |       |     2.29
 8.750    6.44    0.68      1.828  |O      |   I   |       |       |     2.33
 8.833    6.66    0.69      1.868  |O      |    I  |       |       |     2.38
 8.917    6.82    0.70      1.910  |O      |    I  |       |       |     2.42
 9.000    6.84    0.70      1.952  |O      |    I  |       |       |     2.47
 9.083    7.28    0.71      1.996  |O      |     I |       |       |     2.52
 9.167    7.59    0.72      2.042  |O      |      I|       |       |     2.57
 9.250    7.65    0.73      2.089  |O      |      I|       |       |     2.62
 9.333    7.87    0.74      2.138  |O      |      I|       |       |     2.67
 9.417    8.02    0.75      2.187  |O      |       I       |       |     2.73
 9.500    8.05    0.76      2.238  |O      |       I       |       |     2.78
 9.583    8.27    0.77      2.288  |O      |       I       |       |     2.84
 9.667    8.43    0.78      2.341  |O      |       I       |       |     2.89
 9.750    8.45    0.79      2.393  |O      |       I       |       |     2.95
 9.833    8.67    0.81      2.447  |O      |       |I      |       |     3.01
 9.917    8.83    0.86      2.501  |O      |       |I      |       |     3.06
10.000    8.86    0.91      2.556  |O      |       |I      |       |     3.11
10.083    7.32    0.96      2.605  |O      |     I |       |       |     3.16
10.167    6.24    1.00      2.645  |O      |   I   |       |       |     3.20
10.250    6.04    1.03      2.681  | O     |   I   |       |       |     3.23
10.333    6.04    1.06      2.715  | O     |   I   |       |       |     3.26
10.417    6.04    1.09      2.749  | O     |   I   |       |       |     3.30
10.500    6.04    1.13      2.783  | O     |   I   |       |       |     3.33
10.583    7.14    1.16      2.821  | O     |     I |       |       |     3.37
10.667    7.91    1.20      2.864  | O     |      I|       |       |     3.41
10.750    8.05    1.25      2.911  | O     |       I       |       |     3.45
10.833    8.05    1.29      2.958  | O     |       I       |       |     3.50
10.917    8.05    1.34      3.004  | O     |       I       |       |     3.54
11.000    8.05    1.38      3.050  | O     |       I       |       |     3.59
11.083    7.83    1.42      3.095  | O     |      I|       |       |     3.63
11.167    7.68    1.47      3.139  | O     |      I|       |       |     3.67
11.250    7.65    1.51      3.181  |  O    |      I|       |       |     3.71
11.333    7.65    1.55      3.223  |  O    |      I|       |       |     3.75
11.417    7.65    1.59      3.265  |  O    |      I|       |       |     3.79
11.500    7.65    1.63      3.307  |  O    |      I|       |       |     3.83
11.583    7.21    1.66      3.347  |  O    |     I |       |       |     3.87
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11.667	6.90	1.70	3.384	O	I			3.91
11.750	6.84	1.73	3.419	O	I			3.94
11.833	7.06	1.77	3.455	O	I			3.98
11.917	7.22	2.03	3.491	O	I			4.01
12.000	7.25	2.73	3.525	O	I			4.04
12.083	9.02	3.47	3.559	O	I			4.07
12.167	10.28	4.31	3.599	O	I			4.10
12.250	10.54	5.13	3.638	O	I			4.14
12.333	10.87	5.89	3.674	O	I			4.17
12.417	11.11	6.58	3.707	O	I			4.20
12.500	11.17	7.20	3.736	O	I			4.22
12.583	11.81	7.78	3.764	O	I			4.25
12.667	12.27	8.36	3.791	O	I			4.27
12.750	12.37	8.90	3.816	O	I			4.29
12.833	12.70	9.39	3.840	O	I			4.31
12.917	12.94	9.85	3.862	O	I			4.33
13.000	13.00	10.28	3.882	O	I			4.35
13.083	14.57	10.75	3.904	O	I			4.37
13.167	15.69	11.35	3.932	O	I			4.39
13.250	15.91	11.95	3.961	O	I			4.42
13.333	15.93	12.49	3.986	O	I			4.44
13.417	15.95	12.96	4.009	O	I			4.46
13.500	15.97	13.37	4.028	O	I			4.48
13.583	12.56	**13.49**	**4.034**	**I O**				**4.48**
13.667	10.16	13.20	4.020	O	I			4.47
13.750	9.72	12.76	3.999	O	I			4.45
13.833	9.74	12.35	3.980	O	I			4.43
13.917	9.76	11.99	3.963	O	I			4.42
14.000	9.78	11.69	3.949	O	I			4.41
14.083	11.04	11.52	3.940	O	I			4.40
14.167	11.93	11.51	3.940	O	I			4.40
14.250	12.12	11.58	3.943	O	I			4.40
14.333	11.82	11.64	3.946	O	I			4.41
14.417	11.62	11.65	3.946	O	I			4.41
14.500	11.60	11.64	3.946	O	I			4.41
14.583	11.61	11.64	3.946	O	I			4.41
14.667	11.63	11.63	3.946	O	I			4.41
14.750	11.65	11.64	3.946	O	I			4.41
14.833	11.35	11.62	3.945	O	I			4.40
14.917	11.15	11.57	3.943	O	I			4.40
15.000	11.12	11.51	3.940	O	I			4.40
15.083	10.83	11.44	3.937	O	I			4.40
15.167	10.62	11.34	3.932	O	I			4.39
15.250	10.60	11.24	3.927	O	I			4.39
15.333	10.30	11.13	3.922	O	I			4.38
15.417	10.10	11.01	3.916	O	I			4.38
15.500	10.08	10.88	3.910	O	I			4.37
15.583	8.84	10.69	3.901	O	I			4.37
15.667	7.98	10.38	3.887	O	I			4.35
15.750	7.83	10.05	3.871	O	I			4.34
15.833	7.85	9.75	3.857	O	I			4.33
15.917	7.86	9.49	3.844	O	I			4.32
16.000	7.88	9.27	3.834	O	I			4.31
16.083	4.47	8.85	3.814	O	I			4.29
16.167	2.07	8.09	3.778	O	I			4.26
16.250	1.61	7.24	3.738	O	I			4.22
16.333	1.61	6.48	3.702	O	I			4.19
16.417	1.61	5.82	3.671	O	I			4.17
16.500	1.61	5.25	3.644	O	I			4.14
16.583	1.39	4.74	3.620	O	I			4.12
16.667	1.24	4.28	3.598	O	I			4.10
16.750	1.21	3.86	3.578	O	I			4.09
16.833	1.21	3.50	3.561	O	I			4.07
16.917	1.21	3.19	3.546	O	I			4.06
17.000	1.21	2.92	3.534	O	I			4.05
17.083	1.65	2.72	3.524	O	I			4.04
17.167	1.95	2.59	3.518	O	I			4.03

17.250	2.01	2.51	3.514	IO				4.03
17.333	2.01	2.44	3.511	O				4.03
17.417	2.01	2.39	3.508	O				4.02
17.500	2.01	2.33	3.506	O				4.02
17.583	2.01	2.29	3.504	O				4.02
17.667	2.01	2.25	3.502	O				4.02
17.750	2.01	2.22	3.500	O				4.02
17.833	1.79	2.18	3.498	IO				4.02
17.917	1.64	2.12	3.495	IO				4.01
18.000	1.61	2.05	3.492	IO				4.01
18.083	1.61	1.99	3.489	O				4.01
18.167	1.61	1.94	3.487	O				4.01
18.250	1.61	1.89	3.485	O				4.00
18.333	1.61	1.86	3.483	O				4.00
18.417	1.61	1.82	3.482	O				4.00
18.500	1.61	1.79	3.480	O				4.00
18.583	1.39	1.79	3.478	IO				4.00
18.667	1.24	1.79	3.475	IO				4.00
18.750	1.21	1.78	3.471	IO				3.99
18.833	0.99	1.78	3.466	I O				3.99
18.917	0.83	1.77	3.460	I O				3.98
19.000	0.81	1.77	3.454	I O				3.97
19.083	1.02	1.76	3.448	IO				3.97
19.167	1.18	1.76	3.444	IO				3.96
19.250	1.21	1.75	3.440	IO				3.96
19.333	1.43	1.75	3.437	IO				3.96
19.417	1.58	1.75	3.435	O				3.96
19.500	1.61	1.75	3.434	O				3.96
19.583	1.39	1.74	3.432	IO				3.95
19.667	1.24	1.74	3.429	IO				3.95
19.750	1.21	1.74	3.426	IO				3.95
19.833	0.99	1.73	3.421	I O				3.94
19.917	0.83	1.73	3.416	I O				3.94
20.000	0.81	1.72	3.409	I O				3.93
20.083	1.02	1.72	3.404	IO				3.93
20.167	1.18	1.71	3.400	IO				3.92
20.250	1.21	1.71	3.396	IO				3.92
20.333	1.21	1.71	3.393	IO				3.92
20.417	1.21	1.70	3.389	IO				3.91
20.500	1.21	1.70	3.386	IO				3.91
20.583	1.21	1.70	3.382	IO				3.91
20.667	1.21	1.69	3.379	IO				3.90
20.750	1.21	1.69	3.376	IO				3.90
20.833	0.99	1.69	3.372	I O				3.90
20.917	0.83	1.68	3.366	I O				3.89
21.000	0.81	1.68	3.360	I O				3.89
21.083	1.02	1.67	3.355	IO				3.88
21.167	1.18	1.67	3.351	IO				3.88
21.250	1.21	1.66	3.348	IO				3.87
21.333	0.99	1.66	3.344	I O				3.87
21.417	0.83	1.66	3.339	I O				3.86
21.500	0.81	1.65	3.333	I O				3.86
21.583	1.02	1.65	3.328	IO				3.85
21.667	1.18	1.64	3.325	IO				3.85
21.750	1.21	1.64	3.321	IO				3.85
21.833	0.99	1.64	3.318	I O				3.84
21.917	0.83	1.63	3.313	I O				3.84
22.000	0.81	1.63	3.307	I O				3.83
22.083	1.02	1.62	3.302	IO				3.83
22.167	1.18	1.62	3.299	IO				3.83
22.250	1.21	1.61	3.296	IO				3.82
22.333	0.99	1.61	3.292	I O				3.82
22.417	0.83	1.61	3.287	I O				3.81
22.500	0.81	1.60	3.282	I O				3.81
22.583	0.81	1.60	3.277	I O				3.80
22.667	0.81	1.59	3.271	I O				3.80
22.750	0.81	1.59	3.266	I O				3.79

22.833	0.81	1.58	3.260	I O				3.79
22.917	0.81	1.58	3.255	I O				3.78
23.000	0.81	1.57	3.250	I O				3.78
23.083	0.81	1.57	3.245	I O				3.77
23.167	0.81	1.56	3.239	I O				3.77
23.250	0.81	1.56	3.234	I O				3.76
23.333	0.81	1.55	3.229	I O				3.76
23.417	0.81	1.55	3.224	I O				3.75
23.500	0.81	1.54	3.219	I O				3.75
23.583	0.81	1.54	3.214	I O				3.74
23.667	0.81	1.53	3.209	I O				3.74
23.750	0.81	1.53	3.204	I O				3.73
23.833	0.81	1.52	3.199	I O				3.73
23.917	0.81	1.52	3.194	I O				3.72
24.000	0.81	1.51	3.189	I O				3.72
24.083	0.37	1.51	3.183	I O				3.71
24.167	0.06	1.50	3.174	I O				3.71
24.250	0.00	1.49	3.164	I O				3.70
24.333	0.00	1.48	3.153	I O				3.69
24.417	0.00	1.47	3.143	I O				3.68
24.500	0.00	1.46	3.133	I O				3.67
24.583	0.00	1.45	3.123	I O				3.66
24.667	0.00	1.44	3.113	I O				3.65
24.750	0.00	1.43	3.103	I O				3.64
24.833	0.00	1.42	3.093	I O				3.63
24.917	0.00	1.41	3.084	I O				3.62
25.000	0.00	1.40	3.074	I O				3.61
25.083	0.00	1.39	3.064	I O				3.60
25.167	0.00	1.39	3.055	I O				3.59
25.250	0.00	1.38	3.045	I O				3.58
25.333	0.00	1.37	3.036	I O				3.57
25.417	0.00	1.36	3.026	I O				3.56
25.500	0.00	1.35	3.017	I O				3.55
25.583	0.00	1.34	3.008	I O				3.55
25.667	0.00	1.33	2.999	I O				3.54
25.750	0.00	1.32	2.990	I O				3.53
25.833	0.00	1.31	2.980	I O				3.52
25.917	0.00	1.31	2.971	I O				3.51
26.000	0.00	1.30	2.962	I O				3.50
26.083	0.00	1.29	2.954	I O				3.49
26.167	0.00	1.28	2.945	I O				3.49
26.250	0.00	1.27	2.936	I O				3.48
26.333	0.00	1.26	2.927	I O				3.47
26.417	0.00	1.26	2.919	I O				3.46
26.500	0.00	1.25	2.910	I O				3.45
26.583	0.00	1.24	2.901	I O				3.44
26.667	0.00	1.23	2.893	I O				3.44
26.750	0.00	1.22	2.884	I O				3.43
26.833	0.00	1.22	2.876	I O				3.42
26.917	0.00	1.21	2.868	I O				3.41
27.000	0.00	1.20	2.859	I O				3.40
27.083	0.00	1.19	2.851	I O				3.40
27.167	0.00	1.18	2.843	I O				3.39
27.250	0.00	1.18	2.835	I O				3.38
27.333	0.00	1.17	2.827	I O				3.37
27.417	0.00	1.16	2.819	I O				3.36
27.500	0.00	1.15	2.811	I O				3.36
27.583	0.00	1.15	2.803	I O				3.35
27.667	0.00	1.14	2.795	I O				3.34
27.750	0.00	1.13	2.787	I O				3.33
27.833	0.00	1.12	2.779	I O				3.33
27.917	0.00	1.12	2.772	I O				3.32
28.000	0.00	1.11	2.764	I O				3.31
28.083	0.00	1.10	2.756	I O				3.30
28.167	0.00	1.09	2.749	I O				3.30
28.250	0.00	1.09	2.741	I O				3.29
28.333	0.00	1.08	2.734	I O				3.28

28.417	0.00	1.07	2.727	I O				3.28
28.500	0.00	1.07	2.719	I O				3.27
28.583	0.00	1.06	2.712	I O				3.26
28.667	0.00	1.05	2.705	I O				3.25
28.750	0.00	1.04	2.697	I O				3.25
28.833	0.00	1.04	2.690	I O				3.24
28.917	0.00	1.03	2.683	I O				3.23
29.000	0.00	1.02	2.676	I O				3.23
29.083	0.00	1.02	2.669	I O				3.22
29.167	0.00	1.01	2.662	I O				3.21
29.250	0.00	1.00	2.655	I O				3.21
29.333	0.00	1.00	2.648	I O				3.20
29.417	0.00	0.99	2.641	IO				3.19
29.500	0.00	0.99	2.634	IO				3.19
29.583	0.00	0.98	2.628	IO				3.18
29.667	0.00	0.97	2.621	IO				3.17
29.750	0.00	0.97	2.614	IO				3.17
29.833	0.00	0.96	2.608	IO				3.16
29.917	0.00	0.95	2.601	IO				3.15
30.000	0.00	0.95	2.595	IO				3.15
30.083	0.00	0.94	2.588	IO				3.14
30.167	0.00	0.93	2.582	IO				3.14
30.250	0.00	0.93	2.575	IO				3.13
30.333	0.00	0.92	2.569	IO				3.12
30.417	0.00	0.92	2.562	IO				3.12
30.500	0.00	0.91	2.556	IO				3.11
30.583	0.00	0.90	2.550	IO				3.11
30.667	0.00	0.90	2.544	IO				3.10
30.750	0.00	0.89	2.538	IO				3.09
30.833	0.00	0.89	2.531	IO				3.09
30.917	0.00	0.88	2.525	IO				3.08
31.000	0.00	0.88	2.519	IO				3.08
31.083	0.00	0.87	2.513	IO				3.07
31.167	0.00	0.86	2.507	IO				3.06
31.250	0.00	0.86	2.501	IO				3.06
31.333	0.00	0.85	2.495	IO				3.05
31.417	0.00	0.85	2.490	IO				3.05
31.500	0.00	0.84	2.484	IO				3.04
31.583	0.00	0.84	2.478	IO				3.04
31.667	0.00	0.83	2.472	IO				3.03
31.750	0.00	0.83	2.467	IO				3.03
31.833	0.00	0.82	2.461	IO				3.02
31.917	0.00	0.81	2.455	IO				3.01
32.000	0.00	0.81	2.450	IO				3.01
32.083	0.00	0.80	2.444	IO				3.00
32.167	0.00	0.80	2.439	IO				3.00
32.250	0.00	0.80	2.433	IO				2.99
32.333	0.00	0.80	2.428	IO				2.99
32.417	0.00	0.80	2.422	IO				2.98
32.500	0.00	0.80	2.417	IO				2.97
32.583	0.00	0.79	2.411	IO				2.97
32.667	0.00	0.79	2.406	IO				2.96
32.750	0.00	0.79	2.400	IO				2.96
32.833	0.00	0.79	2.395	IO				2.95
32.917	0.00	0.79	2.389	IO				2.94
33.000	0.00	0.79	2.384	IO				2.94
33.083	0.00	0.79	2.378	IO				2.93
33.167	0.00	0.79	2.373	IO				2.93
33.250	0.00	0.79	2.368	IO				2.92
33.333	0.00	0.78	2.362	IO				2.92
33.417	0.00	0.78	2.357	IO				2.91
33.500	0.00	0.78	2.351	IO				2.90
33.583	0.00	0.78	2.346	IO				2.90
33.667	0.00	0.78	2.341	IO				2.89
33.750	0.00	0.78	2.335	IO				2.89
33.833	0.00	0.78	2.330	IO				2.88
33.917	0.00	0.78	2.325	IO				2.87

34.000	0.00	0.78	2.319	IO				2.87
34.083	0.00	0.78	2.314	IO				2.86
34.167	0.00	0.77	2.309	IO				2.86
34.250	0.00	0.77	2.303	IO				2.85
34.333	0.00	0.77	2.298	IO				2.85
34.417	0.00	0.77	2.293	IO				2.84
34.500	0.00	0.77	2.287	IO				2.83
34.583	0.00	0.77	2.282	IO				2.83
34.667	0.00	0.77	2.277	IO				2.82
34.750	0.00	0.77	2.271	IO				2.82
34.833	0.00	0.77	2.266	IO				2.81
34.917	0.00	0.76	2.261	IO				2.81
35.000	0.00	0.76	2.256	IO				2.80
35.083	0.00	0.76	2.250	IO				2.79
35.167	0.00	0.76	2.245	IO				2.79
35.250	0.00	0.76	2.240	IO				2.78
35.333	0.00	0.76	2.235	IO				2.78
35.417	0.00	0.76	2.229	IO				2.77
35.500	0.00	0.76	2.224	IO				2.77
35.583	0.00	0.76	2.219	IO				2.76
35.667	0.00	0.76	2.214	IO				2.75
35.750	0.00	0.75	2.208	IO				2.75
35.833	0.00	0.75	2.203	IO				2.74
35.917	0.00	0.75	2.198	IO				2.74
36.000	0.00	0.75	2.193	IO				2.73
36.083	0.00	0.75	2.188	IO				2.73
36.167	0.00	0.75	2.183	IO				2.72
36.250	0.00	0.75	2.177	IO				2.71
36.333	0.00	0.75	2.172	IO				2.71
36.417	0.00	0.75	2.167	IO				2.70
36.500	0.00	0.75	2.162	IO				2.70
36.583	0.00	0.74	2.157	IO				2.69
36.667	0.00	0.74	2.152	IO				2.69
36.750	0.00	0.74	2.147	IO				2.68
36.833	0.00	0.74	2.142	IO				2.68
36.917	0.00	0.74	2.136	IO				2.67
37.000	0.00	0.74	2.131	IO				2.66
37.083	0.00	0.74	2.126	IO				2.66
37.167	0.00	0.74	2.121	IO				2.65
37.250	0.00	0.74	2.116	IO				2.65
37.333	0.00	0.74	2.111	IO				2.64
37.417	0.00	0.73	2.106	IO				2.64
37.500	0.00	0.73	2.101	IO				2.63
37.583	0.00	0.73	2.096	IO				2.63
37.667	0.00	0.73	2.091	IO				2.62
37.750	0.00	0.73	2.086	IO				2.61
37.833	0.00	0.73	2.081	IO				2.61
37.917	0.00	0.73	2.076	IO				2.60
38.000	0.00	0.73	2.071	IO				2.60
38.083	0.00	0.73	2.066	IO				2.59
38.167	0.00	0.73	2.061	IO				2.59
38.250	0.00	0.72	2.056	IO				2.58
38.333	0.00	0.72	2.051	IO				2.58
38.417	0.00	0.72	2.046	IO				2.57
38.500	0.00	0.72	2.041	IO				2.57
38.583	0.00	0.72	2.036	IO				2.56
38.667	0.00	0.72	2.031	IO				2.56
38.750	0.00	0.72	2.026	IO				2.55
38.833	0.00	0.72	2.021	IO				2.54
38.917	0.00	0.72	2.016	IO				2.54
39.000	0.00	0.72	2.011	IO				2.53
39.083	0.00	0.72	2.006	IO				2.53
39.167	0.00	0.71	2.001	IO				2.52
39.250	0.00	0.71	1.996	IO				2.52
39.333	0.00	0.71	1.991	IO				2.51
39.417	0.00	0.71	1.986	IO				2.51
39.500	0.00	0.71	1.982	IO				2.50

39.583	0.00	0.71	1.977	IO					2.50
39.667	0.00	0.71	1.972	IO					2.49
39.750	0.00	0.71	1.967	IO					2.49
39.833	0.00	0.71	1.962	IO					2.48
39.917	0.00	0.71	1.957	IO					2.48
40.000	0.00	0.70	1.952	IO					2.47
40.083	0.00	0.70	1.947	IO					2.46
40.167	0.00	0.70	1.943	IO					2.46
40.250	0.00	0.70	1.938	IO					2.45
40.333	0.00	0.70	1.933	IO					2.45
40.417	0.00	0.70	1.928	IO					2.44
40.500	0.00	0.70	1.923	IO					2.44
40.583	0.00	0.70	1.919	IO					2.43
40.667	0.00	0.70	1.914	IO					2.43
40.750	0.00	0.70	1.909	IO					2.42
40.833	0.00	0.70	1.904	IO					2.42
40.917	0.00	0.69	1.899	IO					2.41
41.000	0.00	0.69	1.895	IO					2.41
41.083	0.00	0.69	1.890	IO					2.40
41.167	0.00	0.69	1.885	IO					2.40
41.250	0.00	0.69	1.880	IO					2.39
41.333	0.00	0.69	1.876	IO					2.39
41.417	0.00	0.69	1.871	IO					2.38
41.500	0.00	0.69	1.866	IO					2.38
41.583	0.00	0.69	1.861	IO					2.37
41.667	0.00	0.69	1.857	IO					2.37
41.750	0.00	0.68	1.852	IO					2.36
41.833	0.00	0.68	1.847	IO					2.36
41.917	0.00	0.68	1.842	IO					2.35
42.000	0.00	0.68	1.838	IO					2.35
42.083	0.00	0.68	1.833	IO					2.34
42.167	0.00	0.68	1.828	IO					2.34
42.250	0.00	0.68	1.824	IO					2.33
42.333	0.00	0.68	1.819	IO					2.32
42.417	0.00	0.68	1.814	IO					2.32
42.500	0.00	0.68	1.810	IO					2.31
42.583	0.00	0.68	1.805	IO					2.31
42.667	0.00	0.67	1.800	IO					2.30
42.750	0.00	0.67	1.796	IO					2.30
42.833	0.00	0.67	1.791	IO					2.29
42.917	0.00	0.67	1.786	IO					2.29
43.000	0.00	0.67	1.782	IO					2.28
43.083	0.00	0.67	1.777	IO					2.28
43.167	0.00	0.67	1.773	IO					2.27
43.250	0.00	0.67	1.768	IO					2.27
43.333	0.00	0.67	1.763	IO					2.26
43.417	0.00	0.67	1.759	IO					2.26
43.500	0.00	0.67	1.754	IO					2.25
43.583	0.00	0.66	1.750	IO					2.25
43.667	0.00	0.66	1.745	IO					2.24
43.750	0.00	0.66	1.740	IO					2.24
43.833	0.00	0.66	1.736	IO					2.23
43.917	0.00	0.66	1.731	IO					2.23
44.000	0.00	0.66	1.727	IO					2.22
44.083	0.00	0.66	1.722	IO					2.22
44.167	0.00	0.66	1.718	IO					2.21
44.250	0.00	0.66	1.713	IO					2.21
44.333	0.00	0.66	1.709	IO					2.21
44.417	0.00	0.66	1.704	IO					2.20
44.500	0.00	0.66	1.700	IO					2.20
44.583	0.00	0.65	1.695	IO					2.19
44.667	0.00	0.65	1.691	IO					2.19
44.750	0.00	0.65	1.686	IO					2.18
44.833	0.00	0.65	1.682	IO					2.18
44.917	0.00	0.65	1.677	IO					2.17
45.000	0.00	0.65	1.673	IO					2.17
45.083	0.00	0.65	1.668	IO					2.16

45.167	0.00	0.65	1.664	IO	|	|	|	2.16
45.250	0.00	0.65	1.659	IO	|	|	|	2.15
45.333	0.00	0.65	1.655	IO	|	|	|	2.15
45.417	0.00	0.65	1.650	IO	|	|	|	2.14
45.500	0.00	0.64	1.646	IO	|	|	|	2.14
45.583	0.00	0.64	1.641	IO	|	|	|	2.13
45.667	0.00	0.64	1.637	IO	|	|	|	2.13
45.750	0.00	0.64	1.633	IO	|	|	|	2.12
45.833	0.00	0.64	1.628	IO	|	|	|	2.12
45.917	0.00	0.64	1.624	IO	|	|	|	2.11
46.000	0.00	0.64	1.619	IO	|	|	|	2.11
46.083	0.00	0.64	1.615	IO	|	|	|	2.10
46.167	0.00	0.64	1.611	IO	|	|	|	2.10
46.250	0.00	0.64	1.606	IO	|	|	|	2.09
46.333	0.00	0.64	1.602	IO	|	|	|	2.09
46.417	0.00	0.64	1.597	IO	|	|	|	2.08
46.500	0.00	0.63	1.593	IO	|	|	|	2.08
46.583	0.00	0.63	1.589	IO	|	|	|	2.07
46.667	0.00	0.63	1.584	IO	|	|	|	2.07
46.750	0.00	0.63	1.580	IO	|	|	|	2.07
46.833	0.00	0.63	1.576	IO	|	|	|	2.06
46.917	0.00	0.63	1.571	IO	|	|	|	2.06
47.000	0.00	0.63	1.567	IO	|	|	|	2.05
47.083	0.00	0.63	1.563	IO	|	|	|	2.05
47.167	0.00	0.63	1.558	IO	|	|	|	2.04
47.250	0.00	0.63	1.554	IO	|	|	|	2.04
47.333	0.00	0.63	1.550	IO	|	|	|	2.03
47.417	0.00	0.62	1.545	IO	|	|	|	2.03
47.500	0.00	0.62	1.541	IO	|	|	|	2.02
47.583	0.00	0.62	1.537	IO	|	|	|	2.02
47.667	0.00	0.62	1.532	IO	|	|	|	2.01
47.750	0.00	0.62	1.528	IO	|	|	|	2.01
47.833	0.00	0.62	1.524	IO	|	|	|	2.00
47.917	0.00	0.62	1.520	IO	|	|	|	2.00
48.000	0.00	0.62	1.515	IO	|	|	|	1.99
48.083	0.00	0.62	1.511	IO	|	|	|	1.99
48.167	0.00	0.62	1.507	IO	|	|	|	1.98
48.250	0.00	0.61	1.503	IO	|	|	|	1.98
48.333	0.00	0.61	1.498	IO	|	|	|	1.97
48.417	0.00	0.61	1.494	IO	|	|	|	1.97
48.500	0.00	0.61	1.490	IO	|	|	|	1.96
48.583	0.00	0.61	1.486	IO	|	|	|	1.96
48.667	0.00	0.61	1.482	IO	|	|	|	1.95
48.750	0.00	0.61	1.477	IO	|	|	|	1.95
48.833	0.00	0.60	1.473	IO	|	|	|	1.94
48.917	0.00	0.60	1.469	IO	|	|	|	1.94
49.000	0.00	0.60	1.465	IO	|	|	|	1.93
49.083	0.00	0.60	1.461	IO	|	|	|	1.93
49.167	0.00	0.60	1.457	IO	|	|	|	1.92
49.250	0.00	0.60	1.452	IO	|	|	|	1.92
49.333	0.00	0.60	1.448	IO	|	|	|	1.91
49.417	0.00	0.60	1.444	IO	|	|	|	1.91
49.500	0.00	0.59	1.440	IO	|	|	|	1.90
49.583	0.00	0.59	1.436	IO	|	|	|	1.90
49.667	0.00	0.59	1.432	IO	|	|	|	1.89
49.750	0.00	0.59	1.428	IO	|	|	|	1.89
49.833	0.00	0.59	1.424	IO	|	|	|	1.88
49.917	0.00	0.59	1.420	IO	|	|	|	1.88
50.000	0.00	0.59	1.416	IO	|	|	|	1.87
50.083	0.00	0.59	1.412	IO	|	|	|	1.87
50.167	0.00	0.58	1.408	IO	|	|	|	1.86
50.250	0.00	0.58	1.404	IO	|	|	|	1.86
50.333	0.00	0.58	1.400	IO	|	|	|	1.85
50.417	0.00	0.58	1.396	IO	|	|	|	1.85
50.500	0.00	0.58	1.392	IO	|	|	|	1.84
50.583	0.00	0.58	1.388	IO	|	|	|	1.84
50.667	0.00	0.58	1.384	IO	|	|	|	1.83

50.750	0.00	0.57	1.380	IO				1.83
50.833	0.00	0.57	1.376	IO				1.82
50.917	0.00	0.57	1.372	IO				1.82
51.000	0.00	0.57	1.368	IO				1.81
51.083	0.00	0.57	1.364	IO				1.81
51.167	0.00	0.57	1.360	IO				1.80
51.250	0.00	0.57	1.356	IO				1.80
51.333	0.00	0.57	1.352	IO				1.79
51.417	0.00	0.56	1.348	IO				1.79
51.500	0.00	0.56	1.344	IO				1.78
51.583	0.00	0.56	1.341	IO				1.78
51.667	0.00	0.56	1.337	IO				1.77
51.750	0.00	0.56	1.333	IO				1.77
51.833	0.00	0.56	1.329	IO				1.76
51.917	0.00	0.56	1.325	IO				1.76
52.000	0.00	0.56	1.321	IO				1.75
52.083	0.00	0.56	1.318	IO				1.75
52.167	0.00	0.55	1.314	IO				1.75
52.250	0.00	0.55	1.310	IO				1.74
52.333	0.00	0.55	1.306	IO				1.74
52.417	0.00	0.55	1.302	IO				1.73
52.500	0.00	0.55	1.299	IO				1.73
52.583	0.00	0.55	1.295	IO				1.72
52.667	0.00	0.55	1.291	IO				1.72
52.750	0.00	0.55	1.287	IO				1.71
52.833	0.00	0.54	1.283	IO				1.71
52.917	0.00	0.54	1.280	IO				1.70
53.000	0.00	0.54	1.276	IO				1.70
53.083	0.00	0.54	1.272	IO				1.69
53.167	0.00	0.54	1.269	IO				1.69
53.250	0.00	0.54	1.265	IO				1.68
53.333	0.00	0.54	1.261	IO				1.68
53.417	0.00	0.54	1.257	IO				1.68
53.500	0.00	0.53	1.254	IO				1.67
53.583	0.00	0.53	1.250	IO				1.67
53.667	0.00	0.53	1.246	IO				1.66
53.750	0.00	0.53	1.243	IO				1.66
53.833	0.00	0.53	1.239	IO				1.65
53.917	0.00	0.53	1.235	IO				1.65
54.000	0.00	0.53	1.232	IO				1.64
54.083	0.00	0.53	1.228	IO				1.64
54.167	0.00	0.53	1.225	IO				1.64
54.250	0.00	0.52	1.221	IO				1.63
54.333	0.00	0.52	1.217	IO				1.63
54.417	0.00	0.52	1.214	IO				1.62
54.500	0.00	0.52	1.210	IO				1.62
54.583	0.00	0.52	1.207	IO				1.61
54.667	0.00	0.52	1.203	IO				1.61
54.750	0.00	0.52	1.199	IO				1.60
54.833	0.00	0.52	1.196	IO				1.60
54.917	0.00	0.51	1.192	IO				1.60
55.000	0.00	0.51	1.189	IO				1.59
55.083	0.00	0.51	1.185	IO				1.59
55.167	0.00	0.51	1.182	IO				1.58
55.250	0.00	0.51	1.178	IO				1.58
55.333	0.00	0.51	1.175	IO				1.57
55.417	0.00	0.51	1.171	IO				1.57
55.500	0.00	0.51	1.168	IO				1.57
55.583	0.00	0.51	1.164	IO				1.56
55.667	0.00	0.50	1.161	IO				1.56
55.750	0.00	0.50	1.157	IO				1.55
55.833	0.00	0.50	1.154	IO				1.55
55.917	0.00	0.50	1.150	IO				1.54
56.000	0.00	0.50	1.147	IO				1.54
56.083	0.00	0.50	1.143	IO				1.54
56.167	0.00	0.50	1.140	O				1.53
56.250	0.00	0.50	1.137	O				1.53

56.333	0.00	0.50	1.133	O	|	|	|	|	1.52
56.417	0.00	0.49	1.130	O	|	|	|	|	1.52
56.500	0.00	0.49	1.126	O	|	|	|	|	1.51
56.583	0.00	0.49	1.123	O	|	|	|	|	1.51
56.667	0.00	0.49	1.120	O	|	|	|	|	1.51
56.750	0.00	0.49	1.116	O	|	|	|	|	1.50
56.833	0.00	0.49	1.113	O	|	|	|	|	1.50
56.917	0.00	0.49	1.109	O	|	|	|	|	1.49
57.000	0.00	0.49	1.106	O	|	|	|	|	1.49
57.083	0.00	0.49	1.103	O	|	|	|	|	1.48
57.167	0.00	0.48	1.099	O	|	|	|	|	1.48
57.250	0.00	0.48	1.096	O	|	|	|	|	1.48
57.333	0.00	0.48	1.093	O	|	|	|	|	1.47
57.417	0.00	0.48	1.089	O	|	|	|	|	1.47
57.500	0.00	0.48	1.086	O	|	|	|	|	1.46
57.583	0.00	0.48	1.083	O	|	|	|	|	1.46
57.667	0.00	0.48	1.079	O	|	|	|	|	1.46
57.750	0.00	0.48	1.076	O	|	|	|	|	1.45
57.833	0.00	0.48	1.073	O	|	|	|	|	1.45
57.917	0.00	0.48	1.070	O	|	|	|	|	1.44
58.000	0.00	0.47	1.066	O	|	|	|	|	1.44
58.083	0.00	0.47	1.063	O	|	|	|	|	1.44
58.167	0.00	0.47	1.060	O	|	|	|	|	1.43
58.250	0.00	0.47	1.057	O	|	|	|	|	1.43
58.333	0.00	0.47	1.053	O	|	|	|	|	1.42
58.417	0.00	0.47	1.050	O	|	|	|	|	1.42
58.500	0.00	0.47	1.047	O	|	|	|	|	1.42
58.583	0.00	0.47	1.044	O	|	|	|	|	1.41
58.667	0.00	0.47	1.040	O	|	|	|	|	1.41
58.750	0.00	0.47	1.037	O	|	|	|	|	1.40
58.833	0.00	0.46	1.034	O	|	|	|	|	1.40
58.917	0.00	0.46	1.031	O	|	|	|	|	1.40
59.000	0.00	0.46	1.028	O	|	|	|	|	1.39
59.083	0.00	0.46	1.024	O	|	|	|	|	1.39
59.167	0.00	0.46	1.021	O	|	|	|	|	1.38
59.250	0.00	0.46	1.018	O	|	|	|	|	1.38
59.333	0.00	0.46	1.015	O	|	|	|	|	1.38
59.417	0.00	0.46	1.012	O	|	|	|	|	1.37
59.500	0.00	0.46	1.009	O	|	|	|	|	1.37
59.583	0.00	0.45	1.006	O	|	|	|	|	1.36
59.667	0.00	0.45	1.002	O	|	|	|	|	1.36
59.750	0.00	0.45	0.999	O	|	|	|	|	1.36
59.833	0.00	0.45	0.996	O	|	|	|	|	1.35
59.917	0.00	0.45	0.993	O	|	|	|	|	1.35
60.000	0.00	0.45	0.990	O	|	|	|	|	1.35
60.083	0.00	0.45	0.987	O	|	|	|	|	1.34
60.167	0.00	0.45	0.984	O	|	|	|	|	1.34
60.250	0.00	0.45	0.981	O	|	|	|	|	1.33
60.333	0.00	0.45	0.978	O	|	|	|	|	1.33
60.417	0.00	0.44	0.975	O	|	|	|	|	1.33
60.500	0.00	0.44	0.972	O	|	|	|	|	1.32
60.583	0.00	0.44	0.968	O	|	|	|	|	1.32
60.667	0.00	0.44	0.965	O	|	|	|	|	1.32
60.750	0.00	0.44	0.962	O	|	|	|	|	1.31
60.833	0.00	0.44	0.959	O	|	|	|	|	1.31
60.917	0.00	0.44	0.956	O	|	|	|	|	1.30
61.000	0.00	0.44	0.953	O	|	|	|	|	1.30
61.083	0.00	0.44	0.950	O	|	|	|	|	1.30
61.167	0.00	0.44	0.947	O	|	|	|	|	1.29
61.250	0.00	0.44	0.944	O	|	|	|	|	1.29
61.333	0.00	0.43	0.941	O	|	|	|	|	1.29
61.417	0.00	0.43	0.938	O	|	|	|	|	1.28
61.500	0.00	0.43	0.935	O	|	|	|	|	1.28
61.583	0.00	0.43	0.932	O	|	|	|	|	1.27
61.667	0.00	0.43	0.929	O	|	|	|	|	1.27
61.750	0.00	0.43	0.926	O	|	|	|	|	1.27
61.833	0.00	0.43	0.923	O	|	|	|	|	1.26

61.917	0.00	0.43	0.921	O	|	|	|	|	1.26
62.000	0.00	0.43	0.918	O	|	|	|	|	1.26
62.083	0.00	0.43	0.915	O	|	|	|	|	1.25
62.167	0.00	0.42	0.912	O	|	|	|	|	1.25
62.250	0.00	0.42	0.909	O	|	|	|	|	1.25
62.333	0.00	0.42	0.906	O	|	|	|	|	1.24
62.417	0.00	0.42	0.903	O	|	|	|	|	1.24
62.500	0.00	0.42	0.900	O	|	|	|	|	1.23
62.583	0.00	0.42	0.897	O	|	|	|	|	1.23
62.667	0.00	0.42	0.894	O	|	|	|	|	1.23
62.750	0.00	0.42	0.891	O	|	|	|	|	1.22
62.833	0.00	0.42	0.889	O	|	|	|	|	1.22
62.917	0.00	0.42	0.886	O	|	|	|	|	1.22
63.000	0.00	0.42	0.883	O	|	|	|	|	1.21
63.083	0.00	0.41	0.880	O	|	|	|	|	1.21
63.167	0.00	0.41	0.877	O	|	|	|	|	1.21
63.250	0.00	0.41	0.874	O	|	|	|	|	1.20
63.333	0.00	0.41	0.871	O	|	|	|	|	1.20
63.417	0.00	0.41	0.869	O	|	|	|	|	1.20
63.500	0.00	0.41	0.866	O	|	|	|	|	1.19
63.583	0.00	0.41	0.863	O	|	|	|	|	1.19
63.667	0.00	0.41	0.860	O	|	|	|	|	1.19
63.750	0.00	0.41	0.857	O	|	|	|	|	1.18
63.833	0.00	0.41	0.854	O	|	|	|	|	1.18
63.917	0.00	0.41	0.852	O	|	|	|	|	1.17
64.000	0.00	0.40	0.849	O	|	|	|	|	1.17
64.083	0.00	0.40	0.846	O	|	|	|	|	1.17
64.167	0.00	0.40	0.843	O	|	|	|	|	1.16
64.250	0.00	0.40	0.841	O	|	|	|	|	1.16
64.333	0.00	0.40	0.838	O	|	|	|	|	1.16
64.417	0.00	0.40	0.835	O	|	|	|	|	1.15
64.500	0.00	0.40	0.832	O	|	|	|	|	1.15
64.583	0.00	0.40	0.830	O	|	|	|	|	1.15
64.667	0.00	0.40	0.827	O	|	|	|	|	1.14
64.750	0.00	0.40	0.824	O	|	|	|	|	1.14
64.833	0.00	0.40	0.821	O	|	|	|	|	1.14
64.917	0.00	0.39	0.819	O	|	|	|	|	1.13
65.000	0.00	0.39	0.816	O	|	|	|	|	1.13
65.083	0.00	0.39	0.813	O	|	|	|	|	1.13
65.167	0.00	0.39	0.810	O	|	|	|	|	1.12
65.250	0.00	0.39	0.808	O	|	|	|	|	1.12
65.333	0.00	0.39	0.805	O	|	|	|	|	1.12
65.417	0.00	0.39	0.802	O	|	|	|	|	1.11
65.500	0.00	0.39	0.800	O	|	|	|	|	1.11
65.583	0.00	0.39	0.797	O	|	|	|	|	1.11
65.667	0.00	0.39	0.794	O	|	|	|	|	1.10
65.750	0.00	0.39	0.792	O	|	|	|	|	1.10
65.833	0.00	0.39	0.789	O	|	|	|	|	1.10
65.917	0.00	0.38	0.786	O	|	|	|	|	1.09
66.000	0.00	0.38	0.784	O	|	|	|	|	1.09
66.083	0.00	0.38	0.781	O	|	|	|	|	1.09
66.167	0.00	0.38	0.778	O	|	|	|	|	1.08
66.250	0.00	0.38	0.776	O	|	|	|	|	1.08
66.333	0.00	0.38	0.773	O	|	|	|	|	1.08
66.417	0.00	0.38	0.771	O	|	|	|	|	1.07
66.500	0.00	0.38	0.768	O	|	|	|	|	1.07
66.583	0.00	0.38	0.765	O	|	|	|	|	1.07
66.667	0.00	0.38	0.763	O	|	|	|	|	1.07
66.750	0.00	0.38	0.760	O	|	|	|	|	1.06
66.833	0.00	0.38	0.758	O	|	|	|	|	1.06
66.917	0.00	0.37	0.755	O	|	|	|	|	1.06
67.000	0.00	0.37	0.752	O	|	|	|	|	1.05
67.083	0.00	0.37	0.750	O	|	|	|	|	1.05
67.167	0.00	0.37	0.747	O	|	|	|	|	1.05
67.250	0.00	0.37	0.745	O	|	|	|	|	1.04
67.333	0.00	0.37	0.742	O	|	|	|	|	1.04
67.417	0.00	0.37	0.740	O	|	|	|	|	1.04

67.500	0.00	0.37	0.737	O	|	|	|	|	1.03
67.583	0.00	0.37	0.735	O	|	|	|	|	1.03
67.667	0.00	0.37	0.732	O	|	|	|	|	1.03
67.750	0.00	0.37	0.730	O	|	|	|	|	1.02
67.833	0.00	0.37	0.727	O	|	|	|	|	1.02
67.917	0.00	0.36	0.725	O	|	|	|	|	1.02
68.000	0.00	0.36	0.722	O	|	|	|	|	1.01
68.083	0.00	0.36	0.719	O	|	|	|	|	1.01
68.167	0.00	0.36	0.717	O	|	|	|	|	1.01
68.250	0.00	0.36	0.715	O	|	|	|	|	1.01
68.333	0.00	0.36	0.712	O	|	|	|	|	1.00
68.417	0.00	0.36	0.710	O	|	|	|	|	1.00
68.500	0.00	0.36	0.707	O	|	|	|	|	1.00
68.583	0.00	0.36	0.705	O	|	|	|	|	0.99
68.667	0.00	0.36	0.702	O	|	|	|	|	0.99
68.750	0.00	0.35	0.700	O	|	|	|	|	0.99
68.833	0.00	0.35	0.697	O	|	|	|	|	0.98
68.917	0.00	0.35	0.695	O	|	|	|	|	0.98
69.000	0.00	0.35	0.692	O	|	|	|	|	0.98
69.083	0.00	0.35	0.690	O	|	|	|	|	0.97
69.167	0.00	0.35	0.688	O	|	|	|	|	0.97
69.250	0.00	0.35	0.685	O	|	|	|	|	0.97
69.333	0.00	0.35	0.683	O	|	|	|	|	0.96
69.417	0.00	0.35	0.680	O	|	|	|	|	0.96
69.500	0.00	0.34	0.678	O	|	|	|	|	0.96
69.583	0.00	0.34	0.676	O	|	|	|	|	0.95
69.667	0.00	0.34	0.673	O	|	|	|	|	0.95
69.750	0.00	0.34	0.671	O	|	|	|	|	0.95
69.833	0.00	0.34	0.669	O	|	|	|	|	0.94
69.917	0.00	0.34	0.666	O	|	|	|	|	0.94
70.000	0.00	0.34	0.664	O	|	|	|	|	0.94
70.083	0.00	0.34	0.662	O	|	|	|	|	0.93
70.167	0.00	0.33	0.659	O	|	|	|	|	0.93
70.250	0.00	0.33	0.657	O	|	|	|	|	0.93
70.333	0.00	0.33	0.655	O	|	|	|	|	0.92
70.417	0.00	0.33	0.652	O	|	|	|	|	0.92
70.500	0.00	0.33	0.650	O	|	|	|	|	0.92
70.583	0.00	0.33	0.648	O	|	|	|	|	0.91
70.667	0.00	0.33	0.646	O	|	|	|	|	0.91
70.750	0.00	0.33	0.643	O	|	|	|	|	0.91
70.833	0.00	0.33	0.641	O	|	|	|	|	0.90
70.917	0.00	0.32	0.639	O	|	|	|	|	0.90
71.000	0.00	0.32	0.637	O	|	|	|	|	0.90
71.083	0.00	0.32	0.635	O	|	|	|	|	0.89
71.167	0.00	0.32	0.632	O	|	|	|	|	0.89
71.250	0.00	0.32	0.630	O	|	|	|	|	0.89
71.333	0.00	0.32	0.628	O	|	|	|	|	0.88
71.417	0.00	0.32	0.626	O	|	|	|	|	0.88
71.500	0.00	0.32	0.624	O	|	|	|	|	0.88
71.583	0.00	0.32	0.621	O	|	|	|	|	0.88
71.667	0.00	0.31	0.619	O	|	|	|	|	0.87
71.750	0.00	0.31	0.617	O	|	|	|	|	0.87
71.833	0.00	0.31	0.615	O	|	|	|	|	0.87
71.917	0.00	0.31	0.613	O	|	|	|	|	0.86
72.000	0.00	0.31	0.611	O	|	|	|	|	0.86
72.083	0.00	0.31	0.608	O	|	|	|	|	0.86
72.167	0.00	0.31	0.606	O	|	|	|	|	0.85
72.250	0.00	0.31	0.604	O	|	|	|	|	0.85
72.333	0.00	0.31	0.602	O	|	|	|	|	0.85
72.417	0.00	0.30	0.600	O	|	|	|	|	0.85
72.500	0.00	0.30	0.598	O	|	|	|	|	0.84
72.583	0.00	0.30	0.596	O	|	|	|	|	0.84
72.667	0.00	0.30	0.594	O	|	|	|	|	0.84
72.750	0.00	0.30	0.592	O	|	|	|	|	0.83
72.833	0.00	0.30	0.590	O	|	|	|	|	0.83
72.917	0.00	0.30	0.588	O	|	|	|	|	0.83
73.000	0.00	0.30	0.586	O	|	|	|	|	0.82

73.083	0.00	0.30	0.584	O	|	|	|	|	0.82
73.167	0.00	0.29	0.581	O	|	|	|	|	0.82
73.250	0.00	0.29	0.579	O	|	|	|	|	0.82
73.333	0.00	0.29	0.577	O	|	|	|	|	0.81
73.417	0.00	0.29	0.575	O	|	|	|	|	0.81
73.500	0.00	0.29	0.573	O	|	|	|	|	0.81
73.583	0.00	0.29	0.571	O	|	|	|	|	0.80
73.667	0.00	0.29	0.569	O	|	|	|	|	0.80
73.750	0.00	0.29	0.567	O	|	|	|	|	0.80
73.833	0.00	0.29	0.565	O	|	|	|	|	0.80
73.917	0.00	0.29	0.563	O	|	|	|	|	0.79
74.000	0.00	0.28	0.562	O	|	|	|	|	0.79
74.083	0.00	0.28	0.560	O	|	|	|	|	0.79
74.167	0.00	0.28	0.558	O	|	|	|	|	0.79
74.250	0.00	0.28	0.556	O	|	|	|	|	0.78
74.333	0.00	0.28	0.554	O	|	|	|	|	0.78
74.417	0.00	0.28	0.552	O	|	|	|	|	0.78
74.500	0.00	0.28	0.550	O	|	|	|	|	0.77
74.583	0.00	0.28	0.548	O	|	|	|	|	0.77
74.667	0.00	0.28	0.546	O	|	|	|	|	0.77
74.750	0.00	0.28	0.544	O	|	|	|	|	0.77
74.833	0.00	0.27	0.542	O	|	|	|	|	0.76
74.917	0.00	0.27	0.540	O	|	|	|	|	0.76
75.000	0.00	0.27	0.538	O	|	|	|	|	0.76
75.083	0.00	0.27	0.537	O	|	|	|	|	0.76
75.167	0.00	0.27	0.535	O	|	|	|	|	0.75
75.250	0.00	0.27	0.533	O	|	|	|	|	0.75
75.333	0.00	0.27	0.531	O	|	|	|	|	0.75
75.417	0.00	0.27	0.529	O	|	|	|	|	0.75
75.500	0.00	0.27	0.527	O	|	|	|	|	0.74
75.583	0.00	0.27	0.525	O	|	|	|	|	0.74
75.667	0.00	0.27	0.524	O	|	|	|	|	0.74
75.750	0.00	0.26	0.522	O	|	|	|	|	0.73
75.833	0.00	0.26	0.520	O	|	|	|	|	0.73
75.917	0.00	0.26	0.518	O	|	|	|	|	0.73
76.000	0.00	0.26	0.516	O	|	|	|	|	0.73
76.083	0.00	0.26	0.515	O	|	|	|	|	0.72
76.167	0.00	0.26	0.513	O	|	|	|	|	0.72
76.250	0.00	0.26	0.511	O	|	|	|	|	0.72
76.333	0.00	0.26	0.509	O	|	|	|	|	0.72
76.417	0.00	0.26	0.507	O	|	|	|	|	0.71
76.500	0.00	0.26	0.506	O	|	|	|	|	0.71
76.583	0.00	0.26	0.504	O	|	|	|	|	0.71
76.667	0.00	0.25	0.502	O	|	|	|	|	0.71
76.750	0.00	0.25	0.500	O	|	|	|	|	0.70
76.833	0.00	0.25	0.499	O	|	|	|	|	0.70
76.917	0.00	0.25	0.497	O	|	|	|	|	0.70
77.000	0.00	0.25	0.495	O	|	|	|	|	0.70
77.083	0.00	0.25	0.493	O	|	|	|	|	0.70
77.167	0.00	0.25	0.492	O	|	|	|	|	0.69
77.250	0.00	0.25	0.490	O	|	|	|	|	0.69
77.333	0.00	0.25	0.488	O	|	|	|	|	0.69
77.417	0.00	0.25	0.487	O	|	|	|	|	0.69
77.500	0.00	0.25	0.485	O	|	|	|	|	0.68
77.583	0.00	0.25	0.483	O	|	|	|	|	0.68
77.667	0.00	0.24	0.482	O	|	|	|	|	0.68
77.750	0.00	0.24	0.480	O	|	|	|	|	0.68
77.833	0.00	0.24	0.478	O	|	|	|	|	0.67
77.917	0.00	0.24	0.477	O	|	|	|	|	0.67
78.000	0.00	0.24	0.475	O	|	|	|	|	0.67
78.083	0.00	0.24	0.473	O	|	|	|	|	0.67
78.167	0.00	0.24	0.472	O	|	|	|	|	0.66
78.250	0.00	0.24	0.470	O	|	|	|	|	0.66
78.333	0.00	0.24	0.468	O	|	|	|	|	0.66
78.417	0.00	0.24	0.467	O	|	|	|	|	0.66
78.500	0.00	0.24	0.465	O	|	|	|	|	0.65
78.583	0.00	0.23	0.463	O	|	|	|	|	0.65

78.667	0.00	0.23	0.462	O	|	|	|	0.65
78.750	0.00	0.23	0.460	O	|	|	|	0.65
78.833	0.00	0.23	0.459	O	|	|	|	0.65
78.917	0.00	0.23	0.457	O	|	|	|	0.64
79.000	0.00	0.23	0.455	O	|	|	|	0.64
79.083	0.00	0.23	0.454	O	|	|	|	0.64
79.167	0.00	0.23	0.452	O	|	|	|	0.64
79.250	0.00	0.23	0.451	O	|	|	|	0.63
79.333	0.00	0.23	0.449	O	|	|	|	0.63
79.417	0.00	0.23	0.447	O	|	|	|	0.63
79.500	0.00	0.23	0.446	O	|	|	|	0.63
79.583	0.00	0.23	0.444	O	|	|	|	0.63
79.667	0.00	0.22	0.443	O	|	|	|	0.62
79.750	0.00	0.22	0.441	O	|	|	|	0.62
79.833	0.00	0.22	0.440	O	|	|	|	0.62
79.917	0.00	0.22	0.438	O	|	|	|	0.62
80.000	0.00	0.22	0.437	O	|	|	|	0.62
80.083	0.00	0.22	0.435	O	|	|	|	0.61
80.167	0.00	0.22	0.434	O	|	|	|	0.61
80.250	0.00	0.22	0.432	O	|	|	|	0.61
80.333	0.00	0.22	0.431	O	|	|	|	0.61
80.417	0.00	0.22	0.429	O	|	|	|	0.60
80.500	0.00	0.22	0.428	O	|	|	|	0.60
80.583	0.00	0.22	0.426	O	|	|	|	0.60
80.667	0.00	0.22	0.425	O	|	|	|	0.60
80.750	0.00	0.21	0.423	O	|	|	|	0.60
80.833	0.00	0.21	0.422	O	|	|	|	0.59
80.917	0.00	0.21	0.420	O	|	|	|	0.59
81.000	0.00	0.21	0.419	O	|	|	|	0.59
81.083	0.00	0.21	0.417	O	|	|	|	0.59
81.167	0.00	0.21	0.416	O	|	|	|	0.59
81.250	0.00	0.21	0.414	O	|	|	|	0.58
81.333	0.00	0.21	0.413	O	|	|	|	0.58
81.417	0.00	0.21	0.412	O	|	|	|	0.58
81.500	0.00	0.21	0.410	O	|	|	|	0.58
81.583	0.00	0.21	0.409	O	|	|	|	0.58
81.667	0.00	0.21	0.407	O	|	|	|	0.57
81.750	0.00	0.21	0.406	O	|	|	|	0.57
81.833	0.00	0.21	0.404	O	|	|	|	0.57
81.917	0.00	0.20	0.403	O	|	|	|	0.57
82.000	0.00	0.20	0.402	O	|	|	|	0.57
82.083	0.00	0.20	0.400	O	|	|	|	0.56
82.167	0.00	0.20	0.399	O	|	|	|	0.56
82.250	0.00	0.20	0.397	O	|	|	|	0.56
82.333	0.00	0.20	0.396	O	|	|	|	0.56
82.417	0.00	0.20	0.395	O	|	|	|	0.56
82.500	0.00	0.20	0.393	O	|	|	|	0.55
82.583	0.00	0.20	0.392	O	|	|	|	0.55
82.667	0.00	0.20	0.391	O	|	|	|	0.55
82.750	0.00	0.20	0.389	O	|	|	|	0.55
82.833	0.00	0.20	0.388	O	|	|	|	0.55
82.917	0.00	0.20	0.386	O	|	|	|	0.54
83.000	0.00	0.20	0.385	O	|	|	|	0.54
83.083	0.00	0.19	0.384	O	|	|	|	0.54
83.167	0.00	0.19	0.382	O	|	|	|	0.54
83.250	0.00	0.19	0.381	O	|	|	|	0.54
83.333	0.00	0.19	0.380	O	|	|	|	0.53
83.417	0.00	0.19	0.378	O	|	|	|	0.53
83.500	0.00	0.19	0.377	O	|	|	|	0.53
83.583	0.00	0.19	0.376	O	|	|	|	0.53
83.667	0.00	0.19	0.374	O	|	|	|	0.53
83.750	0.00	0.19	0.373	O	|	|	|	0.53
83.833	0.00	0.19	0.372	O	|	|	|	0.52
83.917	0.00	0.19	0.371	O	|	|	|	0.52
84.000	0.00	0.19	0.369	O	|	|	|	0.52
84.083	0.00	0.19	0.368	O	|	|	|	0.52
84.167	0.00	0.19	0.367	O	|	|	|	0.52

84.250	0.00	0.19	0.365	O	|	|	|	|	0.51
84.333	0.00	0.18	0.364	O	|	|	|	|	0.51
84.417	0.00	0.18	0.363	O	|	|	|	|	0.51
84.500	0.00	0.18	0.362	O	|	|	|	|	0.51
84.583	0.00	0.18	0.360	O	|	|	|	|	0.51
84.667	0.00	0.18	0.359	O	|	|	|	|	0.51
84.750	0.00	0.18	0.358	O	|	|	|	|	0.50
84.833	0.00	0.18	0.357	O	|	|	|	|	0.50
84.917	0.00	0.18	0.355	O	|	|	|	|	0.50
85.000	0.00	0.18	0.354	O	|	|	|	|	0.50
85.083	0.00	0.18	0.353	O	|	|	|	|	0.50
85.167	0.00	0.18	0.352	O	|	|	|	|	0.50
85.250	0.00	0.18	0.350	O	|	|	|	|	0.49
85.333	0.00	0.18	0.349	O	|	|	|	|	0.49
85.417	0.00	0.18	0.348	O	|	|	|	|	0.49
85.500	0.00	0.18	0.347	O	|	|	|	|	0.49
85.583	0.00	0.18	0.346	O	|	|	|	|	0.49
85.667	0.00	0.17	0.344	O	|	|	|	|	0.49
85.750	0.00	0.17	0.343	O	|	|	|	|	0.48
85.833	0.00	0.17	0.342	O	|	|	|	|	0.48
85.917	0.00	0.17	0.341	O	|	|	|	|	0.48
86.000	0.00	0.17	0.340	O	|	|	|	|	0.48
86.083	0.00	0.17	0.338	O	|	|	|	|	0.48
86.167	0.00	0.17	0.337	O	|	|	|	|	0.47
86.250	0.00	0.17	0.336	O	|	|	|	|	0.47
86.333	0.00	0.17	0.335	O	|	|	|	|	0.47
86.417	0.00	0.17	0.334	O	|	|	|	|	0.47
86.500	0.00	0.17	0.333	O	|	|	|	|	0.47
86.583	0.00	0.17	0.331	O	|	|	|	|	0.47
86.667	0.00	0.17	0.330	O	|	|	|	|	0.47
86.750	0.00	0.17	0.329	O	|	|	|	|	0.46
86.833	0.00	0.17	0.328	O	|	|	|	|	0.46
86.917	0.00	0.17	0.327	O	|	|	|	|	0.46
87.000	0.00	0.17	0.326	O	|	|	|	|	0.46
87.083	0.00	0.16	0.325	O	|	|	|	|	0.46
87.167	0.00	0.16	0.323	O	|	|	|	|	0.46
87.250	0.00	0.16	0.322	O	|	|	|	|	0.45
87.333	0.00	0.16	0.321	O	|	|	|	|	0.45
87.417	0.00	0.16	0.320	O	|	|	|	|	0.45
87.500	0.00	0.16	0.319	O	|	|	|	|	0.45
87.583	0.00	0.16	0.318	O	|	|	|	|	0.45
87.667	0.00	0.16	0.317	O	|	|	|	|	0.45
87.750	0.00	0.16	0.316	O	|	|	|	|	0.44
87.833	0.00	0.16	0.314	O	|	|	|	|	0.44
87.917	0.00	0.16	0.313	O	|	|	|	|	0.44
88.000	0.00	0.16	0.312	O	|	|	|	|	0.44
88.083	0.00	0.16	0.311	O	|	|	|	|	0.44
88.167	0.00	0.16	0.310	O	|	|	|	|	0.44
88.250	0.00	0.16	0.309	O	|	|	|	|	0.44
88.333	0.00	0.16	0.308	O	|	|	|	|	0.43
88.417	0.00	0.16	0.307	O	|	|	|	|	0.43
88.500	0.00	0.16	0.306	O	|	|	|	|	0.43
88.583	0.00	0.15	0.305	O	|	|	|	|	0.43
88.667	0.00	0.15	0.304	O	|	|	|	|	0.43
88.750	0.00	0.15	0.303	O	|	|	|	|	0.43
88.833	0.00	0.15	0.302	O	|	|	|	|	0.42
88.917	0.00	0.15	0.301	O	|	|	|	|	0.42
89.000	0.00	0.15	0.299	O	|	|	|	|	0.42
89.083	0.00	0.15	0.298	O	|	|	|	|	0.42
89.167	0.00	0.15	0.297	O	|	|	|	|	0.42
89.250	0.00	0.15	0.296	O	|	|	|	|	0.42
89.333	0.00	0.15	0.295	O	|	|	|	|	0.42
89.417	0.00	0.15	0.294	O	|	|	|	|	0.41
89.500	0.00	0.15	0.293	O	|	|	|	|	0.41
89.583	0.00	0.15	0.292	O	|	|	|	|	0.41
89.667	0.00	0.15	0.291	O	|	|	|	|	0.41
89.750	0.00	0.15	0.290	O	|	|	|	|	0.41

89.833	0.00	0.15	0.289	O	|	|	|	|	0.41
89.917	0.00	0.15	0.288	O	|	|	|	|	0.41
90.000	0.00	0.15	0.287	O	|	|	|	|	0.40
90.083	0.00	0.15	0.286	O	|	|	|	|	0.40
90.167	0.00	0.14	0.285	O	|	|	|	|	0.40
90.250	0.00	0.14	0.284	O	|	|	|	|	0.40
90.333	0.00	0.14	0.283	O	|	|	|	|	0.40
90.417	0.00	0.14	0.282	O	|	|	|	|	0.40
90.500	0.00	0.14	0.281	O	|	|	|	|	0.40
90.583	0.00	0.14	0.280	O	|	|	|	|	0.39
90.667	0.00	0.14	0.279	O	|	|	|	|	0.39
90.750	0.00	0.14	0.278	O	|	|	|	|	0.39
90.833	0.00	0.14	0.277	O	|	|	|	|	0.39
90.917	0.00	0.14	0.276	O	|	|	|	|	0.39
91.000	0.00	0.14	0.275	O	|	|	|	|	0.39
91.083	0.00	0.14	0.274	O	|	|	|	|	0.39
91.167	0.00	0.14	0.273	O	|	|	|	|	0.39
91.250	0.00	0.14	0.273	O	|	|	|	|	0.38
91.333	0.00	0.14	0.272	O	|	|	|	|	0.38
91.417	0.00	0.14	0.271	O	|	|	|	|	0.38
91.500	0.00	0.14	0.270	O	|	|	|	|	0.38
91.583	0.00	0.14	0.269	O	|	|	|	|	0.38
91.667	0.00	0.14	0.268	O	|	|	|	|	0.38
91.750	0.00	0.14	0.267	O	|	|	|	|	0.38
91.833	0.00	0.13	0.266	O	|	|	|	|	0.37
91.917	0.00	0.13	0.265	O	|	|	|	|	0.37
92.000	0.00	0.13	0.264	O	|	|	|	|	0.37
92.083	0.00	0.13	0.263	O	|	|	|	|	0.37
92.167	0.00	0.13	0.262	O	|	|	|	|	0.37
92.250	0.00	0.13	0.261	O	|	|	|	|	0.37
92.333	0.00	0.13	0.260	O	|	|	|	|	0.37
92.417	0.00	0.13	0.260	O	|	|	|	|	0.37
92.500	0.00	0.13	0.259	O	|	|	|	|	0.36
92.583	0.00	0.13	0.258	O	|	|	|	|	0.36
92.667	0.00	0.13	0.257	O	|	|	|	|	0.36
92.750	0.00	0.13	0.256	O	|	|	|	|	0.36
92.833	0.00	0.13	0.255	O	|	|	|	|	0.36
92.917	0.00	0.13	0.254	O	|	|	|	|	0.36
93.000	0.00	0.13	0.253	O	|	|	|	|	0.36
93.083	0.00	0.13	0.252	O	|	|	|	|	0.36
93.167	0.00	0.13	0.252	O	|	|	|	|	0.35
93.250	0.00	0.13	0.251	O	|	|	|	|	0.35
93.333	0.00	0.13	0.250	O	|	|	|	|	0.35
93.417	0.00	0.13	0.249	O	|	|	|	|	0.35
93.500	0.00	0.13	0.248	O	|	|	|	|	0.35
93.583	0.00	0.13	0.247	O	|	|	|	|	0.35
93.667	0.00	0.12	0.246	O	|	|	|	|	0.35
93.750	0.00	0.12	0.245	O	|	|	|	|	0.35
93.833	0.00	0.12	0.245	O	|	|	|	|	0.34
93.917	0.00	0.12	0.244	O	|	|	|	|	0.34
94.000	0.00	0.12	0.243	O	|	|	|	|	0.34
94.083	0.00	0.12	0.242	O	|	|	|	|	0.34
94.167	0.00	0.12	0.241	O	|	|	|	|	0.34
94.250	0.00	0.12	0.240	O	|	|	|	|	0.34
94.333	0.00	0.12	0.240	O	|	|	|	|	0.34
94.417	0.00	0.12	0.239	O	|	|	|	|	0.34
94.500	0.00	0.12	0.238	O	|	|	|	|	0.33
94.583	0.00	0.12	0.237	O	|	|	|	|	0.33
94.667	0.00	0.12	0.236	O	|	|	|	|	0.33
94.750	0.00	0.12	0.235	O	|	|	|	|	0.33
94.833	0.00	0.12	0.235	O	|	|	|	|	0.33
94.917	0.00	0.12	0.234	O	|	|	|	|	0.33
95.000	0.00	0.12	0.233	O	|	|	|	|	0.33
95.083	0.00	0.12	0.232	O	|	|	|	|	0.33
95.167	0.00	0.12	0.231	O	|	|	|	|	0.33
95.250	0.00	0.12	0.230	O	|	|	|	|	0.32
95.333	0.00	0.12	0.230	O	|	|	|	|	0.32

95.417	0.00	0.12	0.229	O	|	|	|	|	0.32
95.500	0.00	0.12	0.228	O	|	|	|	|	0.32
95.583	0.00	0.12	0.227	O	|	|	|	|	0.32
95.667	0.00	0.11	0.226	O	|	|	|	|	0.32
95.750	0.00	0.11	0.226	O	|	|	|	|	0.32
95.833	0.00	0.11	0.225	O	|	|	|	|	0.32
95.917	0.00	0.11	0.224	O	|	|	|	|	0.32
96.000	0.00	0.11	0.223	O	|	|	|	|	0.31
96.083	0.00	0.11	0.223	O	|	|	|	|	0.31
96.167	0.00	0.11	0.222	O	|	|	|	|	0.31
96.250	0.00	0.11	0.221	O	|	|	|	|	0.31
96.333	0.00	0.11	0.220	O	|	|	|	|	0.31
96.417	0.00	0.11	0.219	O	|	|	|	|	0.31
96.500	0.00	0.11	0.219	O	|	|	|	|	0.31
96.583	0.00	0.11	0.218	O	|	|	|	|	0.31
96.667	0.00	0.11	0.217	O	|	|	|	|	0.31
96.750	0.00	0.11	0.216	O	|	|	|	|	0.30
96.833	0.00	0.11	0.216	O	|	|	|	|	0.30
96.917	0.00	0.11	0.215	O	|	|	|	|	0.30
97.000	0.00	0.11	0.214	O	|	|	|	|	0.30
97.083	0.00	0.11	0.213	O	|	|	|	|	0.30
97.167	0.00	0.11	0.213	O	|	|	|	|	0.30
97.250	0.00	0.11	0.212	O	|	|	|	|	0.30
97.333	0.00	0.11	0.211	O	|	|	|	|	0.30
97.417	0.00	0.11	0.210	O	|	|	|	|	0.30
97.500	0.00	0.11	0.210	O	|	|	|	|	0.30
97.583	0.00	0.11	0.209	O	|	|	|	|	0.29
97.667	0.00	0.11	0.208	O	|	|	|	|	0.29
97.750	0.00	0.11	0.208	O	|	|	|	|	0.29
97.833	0.00	0.10	0.207	O	|	|	|	|	0.29
97.917	0.00	0.10	0.206	O	|	|	|	|	0.29
98.000	0.00	0.10	0.205	O	|	|	|	|	0.29
98.083	0.00	0.10	0.205	O	|	|	|	|	0.29
98.167	0.00	0.10	0.204	O	|	|	|	|	0.29
98.250	0.00	0.10	0.203	O	|	|	|	|	0.29
98.333	0.00	0.10	0.203	O	|	|	|	|	0.29
98.417	0.00	0.10	0.202	O	|	|	|	|	0.28
98.500	0.00	0.10	0.201	O	|	|	|	|	0.28
98.583	0.00	0.10	0.200	O	|	|	|	|	0.28
98.667	0.00	0.10	0.200	O	|	|	|	|	0.28
98.750	0.00	0.10	0.199	O	|	|	|	|	0.28
98.833	0.00	0.10	0.198	O	|	|	|	|	0.28
98.917	0.00	0.10	0.198	O	|	|	|	|	0.28
99.000	0.00	0.10	0.197	O	|	|	|	|	0.28
99.083	0.00	0.10	0.196	O	|	|	|	|	0.28
99.167	0.00	0.10	0.196	O	|	|	|	|	0.28
99.250	0.00	0.10	0.195	O	|	|	|	|	0.27
99.333	0.00	0.10	0.194	O	|	|	|	|	0.27
99.417	0.00	0.10	0.194	O	|	|	|	|	0.27
99.500	0.00	0.10	0.193	O	|	|	|	|	0.27
99.583	0.00	0.10	0.192	O	|	|	|	|	0.27
99.667	0.00	0.10	0.192	O	|	|	|	|	0.27
99.750	0.00	0.10	0.191	O	|	|	|	|	0.27
99.833	0.00	0.10	0.190	O	|	|	|	|	0.27
99.917	0.00	0.10	0.190	O	|	|	|	|	0.27
100.000	0.00	0.10	0.189	O	|	|	|	|	0.27
100.083	0.00	0.10	0.188	O	|	|	|	|	0.27
100.167	0.00	0.10	0.188	O	|	|	|	|	0.26
100.250	0.00	0.09	0.187	O	|	|	|	|	0.26
100.333	0.00	0.09	0.186	O	|	|	|	|	0.26
100.417	0.00	0.09	0.186	O	|	|	|	|	0.26
100.500	0.00	0.09	0.185	O	|	|	|	|	0.26
100.583	0.00	0.09	0.184	O	|	|	|	|	0.26
100.667	0.00	0.09	0.184	O	|	|	|	|	0.26
100.750	0.00	0.09	0.183	O	|	|	|	|	0.26
100.833	0.00	0.09	0.182	O	|	|	|	|	0.26
100.917	0.00	0.09	0.182	O	|	|	|	|	0.26

101.000	0.00	0.09	0.181	O	|	|	|	| 0.26
101.083	0.00	0.09	0.181	O	|	|	|	| 0.25
101.167	0.00	0.09	0.180	O	|	|	|	| 0.25
101.250	0.00	0.09	0.179	O	|	|	|	| 0.25
101.333	0.00	0.09	0.179	O	|	|	|	| 0.25
101.417	0.00	0.09	0.178	O	|	|	|	| 0.25
101.500	0.00	0.09	0.177	O	|	|	|	| 0.25
101.583	0.00	0.09	0.177	O	|	|	|	| 0.25
101.667	0.00	0.09	0.176	O	|	|	|	| 0.25
101.750	0.00	0.09	0.176	O	|	|	|	| 0.25
101.833	0.00	0.09	0.175	O	|	|	|	| 0.25
101.917	0.00	0.09	0.174	O	|	|	|	| 0.25
102.000	0.00	0.09	0.174	O	|	|	|	| 0.24
102.083	0.00	0.09	0.173	O	|	|	|	| 0.24
102.167	0.00	0.09	0.172	O	|	|	|	| 0.24
102.250	0.00	0.09	0.172	O	|	|	|	| 0.24
102.333	0.00	0.09	0.171	O	|	|	|	| 0.24
102.417	0.00	0.09	0.171	O	|	|	|	| 0.24
102.500	0.00	0.09	0.170	O	|	|	|	| 0.24
102.583	0.00	0.09	0.170	O	|	|	|	| 0.24
102.667	0.00	0.09	0.169	O	|	|	|	| 0.24
102.750	0.00	0.09	0.168	O	|	|	|	| 0.24
102.833	0.00	0.09	0.168	O	|	|	|	| 0.24
102.917	0.00	0.08	0.167	O	|	|	|	| 0.24
103.000	0.00	0.08	0.167	O	|	|	|	| 0.23
103.083	0.00	0.08	0.166	O	|	|	|	| 0.23
103.167	0.00	0.08	0.165	O	|	|	|	| 0.23
103.250	0.00	0.08	0.165	O	|	|	|	| 0.23
103.333	0.00	0.08	0.164	O	|	|	|	| 0.23
103.417	0.00	0.08	0.164	O	|	|	|	| 0.23
103.500	0.00	0.08	0.163	O	|	|	|	| 0.23
103.583	0.00	0.08	0.163	O	|	|	|	| 0.23
103.667	0.00	0.08	0.162	O	|	|	|	| 0.23
103.750	0.00	0.08	0.161	O	|	|	|	| 0.23
103.833	0.00	0.08	0.161	O	|	|	|	| 0.23
103.917	0.00	0.08	0.160	O	|	|	|	| 0.23
104.000	0.00	0.08	0.160	O	|	|	|	| 0.22
104.083	0.00	0.08	0.159	O	|	|	|	| 0.22
104.167	0.00	0.08	0.159	O	|	|	|	| 0.22
104.250	0.00	0.08	0.158	O	|	|	|	| 0.22
104.333	0.00	0.08	0.158	O	|	|	|	| 0.22
104.417	0.00	0.08	0.157	O	|	|	|	| 0.22
104.500	0.00	0.08	0.156	O	|	|	|	| 0.22
104.583	0.00	0.08	0.156	O	|	|	|	| 0.22
104.667	0.00	0.08	0.155	O	|	|	|	| 0.22
104.750	0.00	0.08	0.155	O	|	|	|	| 0.22
104.833	0.00	0.08	0.154	O	|	|	|	| 0.22
104.917	0.00	0.08	0.154	O	|	|	|	| 0.22
105.000	0.00	0.08	0.153	O	|	|	|	| 0.22
105.083	0.00	0.08	0.153	O	|	|	|	| 0.21
105.167	0.00	0.08	0.152	O	|	|	|	| 0.21
105.250	0.00	0.08	0.152	O	|	|	|	| 0.21
105.333	0.00	0.08	0.151	O	|	|	|	| 0.21
105.417	0.00	0.08	0.151	O	|	|	|	| 0.21
105.500	0.00	0.08	0.150	O	|	|	|	| 0.21
105.583	0.00	0.08	0.149	O	|	|	|	| 0.21
105.667	0.00	0.08	0.149	O	|	|	|	| 0.21
105.750	0.00	0.08	0.148	O	|	|	|	| 0.21
105.833	0.00	0.08	0.148	O	|	|	|	| 0.21
105.917	0.00	0.07	0.147	O	|	|	|	| 0.21
106.000	0.00	0.07	0.147	O	|	|	|	| 0.21
106.083	0.00	0.07	0.146	O	|	|	|	| 0.21
106.167	0.00	0.07	0.146	O	|	|	|	| 0.21
106.250	0.00	0.07	0.145	O	|	|	|	| 0.20
106.333	0.00	0.07	0.145	O	|	|	|	| 0.20
106.417	0.00	0.07	0.144	O	|	|	|	| 0.20
106.500	0.00	0.07	0.144	O	|	|	|	| 0.20

106.583	0.00	0.07	0.143	O	|	|	|	0.20
106.667	0.00	0.07	0.143	O	|	|	|	0.20
106.750	0.00	0.07	0.142	O	|	|	|	0.20
106.833	0.00	0.07	0.142	O	|	|	|	0.20
106.917	0.00	0.07	0.141	O	|	|	|	0.20
107.000	0.00	0.07	0.141	O	|	|	|	0.20
107.083	0.00	0.07	0.140	O	|	|	|	0.20
107.167	0.00	0.07	0.140	O	|	|	|	0.20
107.250	0.00	0.07	0.139	O	|	|	|	0.20
107.333	0.00	0.07	0.139	O	|	|	|	0.20
107.417	0.00	0.07	0.138	O	|	|	|	0.19
107.500	0.00	0.07	0.138	O	|	|	|	0.19
107.583	0.00	0.07	0.137	O	|	|	|	0.19
107.667	0.00	0.07	0.137	O	|	|	|	0.19
107.750	0.00	0.07	0.137	O	|	|	|	0.19
107.833	0.00	0.07	0.136	O	|	|	|	0.19
107.917	0.00	0.07	0.136	O	|	|	|	0.19
108.000	0.00	0.07	0.135	O	|	|	|	0.19
108.083	0.00	0.07	0.135	O	|	|	|	0.19
108.167	0.00	0.07	0.134	O	|	|	|	0.19
108.250	0.00	0.07	0.134	O	|	|	|	0.19
108.333	0.00	0.07	0.133	O	|	|	|	0.19
108.417	0.00	0.07	0.133	O	|	|	|	0.19
108.500	0.00	0.07	0.132	O	|	|	|	0.19
108.583	0.00	0.07	0.132	O	|	|	|	0.19
108.667	0.00	0.07	0.131	O	|	|	|	0.19
108.750	0.00	0.07	0.131	O	|	|	|	0.18
108.833	0.00	0.07	0.130	O	|	|	|	0.18
108.917	0.00	0.07	0.130	O	|	|	|	0.18
109.000	0.00	0.07	0.130	O	|	|	|	0.18
109.083	0.00	0.07	0.129	O	|	|	|	0.18
109.167	0.00	0.07	0.129	O	|	|	|	0.18
109.250	0.00	0.06	0.128	O	|	|	|	0.18
109.333	0.00	0.06	0.128	O	|	|	|	0.18
109.417	0.00	0.06	0.127	O	|	|	|	0.18
109.500	0.00	0.06	0.127	O	|	|	|	0.18
109.583	0.00	0.06	0.126	O	|	|	|	0.18
109.667	0.00	0.06	0.126	O	|	|	|	0.18
109.750	0.00	0.06	0.126	O	|	|	|	0.18
109.833	0.00	0.06	0.125	O	|	|	|	0.18
109.917	0.00	0.06	0.125	O	|	|	|	0.18
110.000	0.00	0.06	0.124	O	|	|	|	0.17
110.083	0.00	0.06	0.124	O	|	|	|	0.17
110.167	0.00	0.06	0.123	O	|	|	|	0.17
110.250	0.00	0.06	0.123	O	|	|	|	0.17
110.333	0.00	0.06	0.123	O	|	|	|	0.17
110.417	0.00	0.06	0.122	O	|	|	|	0.17
110.500	0.00	0.06	0.122	O	|	|	|	0.17
110.583	0.00	0.06	0.121	O	|	|	|	0.17
110.667	0.00	0.06	0.121	O	|	|	|	0.17
110.750	0.00	0.06	0.120	O	|	|	|	0.17
110.833	0.00	0.06	0.120	O	|	|	|	0.17
110.917	0.00	0.06	0.120	O	|	|	|	0.17
111.000	0.00	0.06	0.119	O	|	|	|	0.17
111.083	0.00	0.06	0.119	O	|	|	|	0.17
111.167	0.00	0.06	0.118	O	|	|	|	0.17
111.250	0.00	0.06	0.118	O	|	|	|	0.17
111.333	0.00	0.06	0.117	O	|	|	|	0.17
111.417	0.00	0.06	0.117	O	|	|	|	0.16
111.500	0.00	0.06	0.117	O	|	|	|	0.16
111.583	0.00	0.06	0.116	O	|	|	|	0.16
111.667	0.00	0.06	0.116	O	|	|	|	0.16
111.750	0.00	0.06	0.115	O	|	|	|	0.16
111.833	0.00	0.06	0.115	O	|	|	|	0.16
111.917	0.00	0.06	0.115	O	|	|	|	0.16
112.000	0.00	0.06	0.114	O	|	|	|	0.16
112.083	0.00	0.06	0.114	O	|	|	|	0.16

112.167	0.00	0.06	0.113	O	|	|	|	| 0.16
112.250	0.00	0.06	0.113	O	|	|	|	| 0.16
112.333	0.00	0.06	0.113	O	|	|	|	| 0.16
112.417	0.00	0.06	0.112	O	|	|	|	| 0.16
112.500	0.00	0.06	0.112	O	|	|	|	| 0.16
112.583	0.00	0.06	0.111	O	|	|	|	| 0.16
112.667	0.00	0.06	0.111	O	|	|	|	| 0.16
112.750	0.00	0.06	0.111	O	|	|	|	| 0.16
112.833	0.00	0.06	0.110	O	|	|	|	| 0.16
112.917	0.00	0.06	0.110	O	|	|	|	| 0.15
113.000	0.00	0.06	0.110	O	|	|	|	| 0.15
113.083	0.00	0.06	0.109	O	|	|	|	| 0.15
113.167	0.00	0.06	0.109	O	|	|	|	| 0.15
113.250	0.00	0.05	0.108	O	|	|	|	| 0.15
113.333	0.00	0.05	0.108	O	|	|	|	| 0.15
113.417	0.00	0.05	0.108	O	|	|	|	| 0.15
113.500	0.00	0.05	0.107	O	|	|	|	| 0.15
113.583	0.00	0.05	0.107	O	|	|	|	| 0.15
113.667	0.00	0.05	0.107	O	|	|	|	| 0.15
113.750	0.00	0.05	0.106	O	|	|	|	| 0.15
113.833	0.00	0.05	0.106	O	|	|	|	| 0.15
113.917	0.00	0.05	0.105	O	|	|	|	| 0.15
114.000	0.00	0.05	0.105	O	|	|	|	| 0.15
114.083	0.00	0.05	0.105	O	|	|	|	| 0.15
114.167	0.00	0.05	0.104	O	|	|	|	| 0.15
114.250	0.00	0.05	0.104	O	|	|	|	| 0.15
114.333	0.00	0.05	0.104	O	|	|	|	| 0.15
114.417	0.00	0.05	0.103	O	|	|	|	| 0.15
114.500	0.00	0.05	0.103	O	|	|	|	| 0.14
114.583	0.00	0.05	0.103	O	|	|	|	| 0.14
114.667	0.00	0.05	0.102	O	|	|	|	| 0.14
114.750	0.00	0.05	0.102	O	|	|	|	| 0.14
114.833	0.00	0.05	0.101	O	|	|	|	| 0.14
114.917	0.00	0.05	0.101	O	|	|	|	| 0.14
115.000	0.00	0.05	0.101	O	|	|	|	| 0.14
115.083	0.00	0.05	0.100	O	|	|	|	| 0.14
115.167	0.00	0.05	0.100	O	|	|	|	| 0.14
115.250	0.00	0.05	0.100	O	|	|	|	| 0.14
115.333	0.00	0.05	0.099	O	|	|	|	| 0.14
115.417	0.00	0.05	0.099	O	|	|	|	| 0.14
115.500	0.00	0.05	0.099	O	|	|	|	| 0.14
115.583	0.00	0.05	0.098	O	|	|	|	| 0.14
115.667	0.00	0.05	0.098	O	|	|	|	| 0.14
115.750	0.00	0.05	0.098	O	|	|	|	| 0.14
115.833	0.00	0.05	0.097	O	|	|	|	| 0.14
115.917	0.00	0.05	0.097	O	|	|	|	| 0.14
116.000	0.00	0.05	0.097	O	|	|	|	| 0.14
116.083	0.00	0.05	0.096	O	|	|	|	| 0.14
116.167	0.00	0.05	0.096	O	|	|	|	| 0.14
116.250	0.00	0.05	0.096	O	|	|	|	| 0.13
116.333	0.00	0.05	0.095	O	|	|	|	| 0.13
116.417	0.00	0.05	0.095	O	|	|	|	| 0.13
116.500	0.00	0.05	0.095	O	|	|	|	| 0.13
116.583	0.00	0.05	0.094	O	|	|	|	| 0.13
116.667	0.00	0.05	0.094	O	|	|	|	| 0.13
116.750	0.00	0.05	0.094	O	|	|	|	| 0.13
116.833	0.00	0.05	0.093	O	|	|	|	| 0.13
116.917	0.00	0.05	0.093	O	|	|	|	| 0.13
117.000	0.00	0.05	0.093	O	|	|	|	| 0.13
117.083	0.00	0.05	0.092	O	|	|	|	| 0.13
117.167	0.00	0.05	0.092	O	|	|	|	| 0.13
117.250	0.00	0.05	0.092	O	|	|	|	| 0.13
117.333	0.00	0.05	0.091	O	|	|	|	| 0.13
117.417	0.00	0.05	0.091	O	|	|	|	| 0.13
117.500	0.00	0.05	0.091	O	|	|	|	| 0.13
117.583	0.00	0.05	0.090	O	|	|	|	| 0.13
117.667	0.00	0.05	0.090	O	|	|	|	| 0.13

117.750	0.00	0.05	0.090	O	|	|	|	0.13
117.833	0.00	0.05	0.089	O	|	|	|	0.13
117.917	0.00	0.05	0.089	O	|	|	|	0.13
118.000	0.00	0.05	0.089	O	|	|	|	0.13
118.083	0.00	0.04	0.089	O	|	|	|	0.12
118.167	0.00	0.04	0.088	O	|	|	|	0.12
118.250	0.00	0.04	0.088	O	|	|	|	0.12
118.333	0.00	0.04	0.088	O	|	|	|	0.12
118.417	0.00	0.04	0.087	O	|	|	|	0.12
118.500	0.00	0.04	0.087	O	|	|	|	0.12
118.583	0.00	0.04	0.087	O	|	|	|	0.12
118.667	0.00	0.04	0.086	O	|	|	|	0.12
118.750	0.00	0.04	0.086	O	|	|	|	0.12
118.833	0.00	0.04	0.086	O	|	|	|	0.12
118.917	0.00	0.04	0.085	O	|	|	|	0.12
119.000	0.00	0.04	0.085	O	|	|	|	0.12
119.083	0.00	0.04	0.085	O	|	|	|	0.12
119.167	0.00	0.04	0.085	O	|	|	|	0.12
119.250	0.00	0.04	0.084	O	|	|	|	0.12
119.333	0.00	0.04	0.084	O	|	|	|	0.12
119.417	0.00	0.04	0.084	O	|	|	|	0.12
119.500	0.00	0.04	0.083	O	|	|	|	0.12
119.583	0.00	0.04	0.083	O	|	|	|	0.12
119.667	0.00	0.04	0.083	O	|	|	|	0.12
119.750	0.00	0.04	0.083	O	|	|	|	0.12
119.833	0.00	0.04	0.082	O	|	|	|	0.12
119.917	0.00	0.04	0.082	O	|	|	|	0.12
120.000	0.00	0.04	0.082	O	|	|	|	0.12
120.083	0.00	0.04	0.081	O	|	|	|	0.11
120.167	0.00	0.04	0.081	O	|	|	|	0.11
120.250	0.00	0.04	0.081	O	|	|	|	0.11
120.333	0.00	0.04	0.081	O	|	|	|	0.11
120.417	0.00	0.04	0.080	O	|	|	|	0.11
120.500	0.00	0.04	0.080	O	|	|	|	0.11
120.583	0.00	0.04	0.080	O	|	|	|	0.11
120.667	0.00	0.04	0.079	O	|	|	|	0.11
120.750	0.00	0.04	0.079	O	|	|	|	0.11
120.833	0.00	0.04	0.079	O	|	|	|	0.11
120.917	0.00	0.04	0.079	O	|	|	|	0.11
121.000	0.00	0.04	0.078	O	|	|	|	0.11
121.083	0.00	0.04	0.078	O	|	|	|	0.11
121.167	0.00	0.04	0.078	O	|	|	|	0.11
121.250	0.00	0.04	0.078	O	|	|	|	0.11
121.333	0.00	0.04	0.077	O	|	|	|	0.11
121.417	0.00	0.04	0.077	O	|	|	|	0.11
121.500	0.00	0.04	0.077	O	|	|	|	0.11
121.583	0.00	0.04	0.076	O	|	|	|	0.11
121.667	0.00	0.04	0.076	O	|	|	|	0.11
121.750	0.00	0.04	0.076	O	|	|	|	0.11
121.833	0.00	0.04	0.076	O	|	|	|	0.11
121.917	0.00	0.04	0.075	O	|	|	|	0.11
122.000	0.00	0.04	0.075	O	|	|	|	0.11
122.083	0.00	0.04	0.075	O	|	|	|	0.11
122.167	0.00	0.04	0.075	O	|	|	|	0.11
122.250	0.00	0.04	0.074	O	|	|	|	0.10
122.333	0.00	0.04	0.074	O	|	|	|	0.10
122.417	0.00	0.04	0.074	O	|	|	|	0.10
122.500	0.00	0.04	0.074	O	|	|	|	0.10
122.583	0.00	0.04	0.073	O	|	|	|	0.10
122.667	0.00	0.04	0.073	O	|	|	|	0.10
122.750	0.00	0.04	0.073	O	|	|	|	0.10
122.833	0.00	0.04	0.073	O	|	|	|	0.10
122.917	0.00	0.04	0.072	O	|	|	|	0.10
123.000	0.00	0.04	0.072	O	|	|	|	0.10
123.083	0.00	0.04	0.072	O	|	|	|	0.10
123.167	0.00	0.04	0.072	O	|	|	|	0.10
123.250	0.00	0.04	0.071	O	|	|	|	0.10

123.333	0.00	0.04	0.071	O	|	|	|	|	0.10
123.417	0.00	0.04	0.071	O	|	|	|	|	0.10
123.500	0.00	0.04	0.071	O	|	|	|	|	0.10
123.583	0.00	0.04	0.070	O	|	|	|	|	0.10
123.667	0.00	0.04	0.070	O	|	|	|	|	0.10
123.750	0.00	0.04	0.070	O	|	|	|	|	0.10
123.833	0.00	0.04	0.070	O	|	|	|	|	0.10
123.917	0.00	0.04	0.069	O	|	|	|	|	0.10
124.000	0.00	0.04	0.069	O	|	|	|	|	0.10
124.083	0.00	0.03	0.069	O	|	|	|	|	0.10
124.167	0.00	0.03	0.069	O	|	|	|	|	0.10
124.250	0.00	0.03	0.068	O	|	|	|	|	0.10
124.333	0.00	0.03	0.068	O	|	|	|	|	0.10
124.417	0.00	0.03	0.068	O	|	|	|	|	0.10
124.500	0.00	0.03	0.068	O	|	|	|	|	0.10
124.583	0.00	0.03	0.067	O	|	|	|	|	0.09
124.667	0.00	0.03	0.067	O	|	|	|	|	0.09
124.750	0.00	0.03	0.067	O	|	|	|	|	0.09
124.833	0.00	0.03	0.067	O	|	|	|	|	0.09
124.917	0.00	0.03	0.066	O	|	|	|	|	0.09
125.000	0.00	0.03	0.066	O	|	|	|	|	0.09
125.083	0.00	0.03	0.066	O	|	|	|	|	0.09
125.167	0.00	0.03	0.066	O	|	|	|	|	0.09
125.250	0.00	0.03	0.066	O	|	|	|	|	0.09
125.333	0.00	0.03	0.065	O	|	|	|	|	0.09
125.417	0.00	0.03	0.065	O	|	|	|	|	0.09
125.500	0.00	0.03	0.065	O	|	|	|	|	0.09
125.583	0.00	0.03	0.065	O	|	|	|	|	0.09
125.667	0.00	0.03	0.064	O	|	|	|	|	0.09
125.750	0.00	0.03	0.064	O	|	|	|	|	0.09
125.833	0.00	0.03	0.064	O	|	|	|	|	0.09
125.917	0.00	0.03	0.064	O	|	|	|	|	0.09
126.000	0.00	0.03	0.064	O	|	|	|	|	0.09
126.083	0.00	0.03	0.063	O	|	|	|	|	0.09
126.167	0.00	0.03	0.063	O	|	|	|	|	0.09
126.250	0.00	0.03	0.063	O	|	|	|	|	0.09
126.333	0.00	0.03	0.063	O	|	|	|	|	0.09
126.417	0.00	0.03	0.062	O	|	|	|	|	0.09
126.500	0.00	0.03	0.062	O	|	|	|	|	0.09
126.583	0.00	0.03	0.062	O	|	|	|	|	0.09
126.667	0.00	0.03	0.062	O	|	|	|	|	0.09
126.750	0.00	0.03	0.062	O	|	|	|	|	0.09
126.833	0.00	0.03	0.061	O	|	|	|	|	0.09
126.917	0.00	0.03	0.061	O	|	|	|	|	0.09
127.000	0.00	0.03	0.061	O	|	|	|	|	0.09
127.083	0.00	0.03	0.061	O	|	|	|	|	0.09
127.167	0.00	0.03	0.061	O	|	|	|	|	0.09
127.250	0.00	0.03	0.060	O	|	|	|	|	0.08
127.333	0.00	0.03	0.060	O	|	|	|	|	0.08
127.417	0.00	0.03	0.060	O	|	|	|	|	0.08
127.500	0.00	0.03	0.060	O	|	|	|	|	0.08
127.583	0.00	0.03	0.059	O	|	|	|	|	0.08
127.667	0.00	0.03	0.059	O	|	|	|	|	0.08
127.750	0.00	0.03	0.059	O	|	|	|	|	0.08
127.833	0.00	0.03	0.059	O	|	|	|	|	0.08
127.917	0.00	0.03	0.059	O	|	|	|	|	0.08
128.000	0.00	0.03	0.058	O	|	|	|	|	0.08
128.083	0.00	0.03	0.058	O	|	|	|	|	0.08
128.167	0.00	0.03	0.058	O	|	|	|	|	0.08
128.250	0.00	0.03	0.058	O	|	|	|	|	0.08
128.333	0.00	0.03	0.058	O	|	|	|	|	0.08
128.417	0.00	0.03	0.057	O	|	|	|	|	0.08
128.500	0.00	0.03	0.057	O	|	|	|	|	0.08
128.583	0.00	0.03	0.057	O	|	|	|	|	0.08
128.667	0.00	0.03	0.057	O	|	|	|	|	0.08
128.750	0.00	0.03	0.057	O	|	|	|	|	0.08
128.833	0.00	0.03	0.056	O	|	|	|	|	0.08

128.917	0.00	0.03	0.056	O	|	|	|	0.08
129.000	0.00	0.03	0.056	O	|	|	|	0.08
129.083	0.00	0.03	0.056	O	|	|	|	0.08
129.167	0.00	0.03	0.056	O	|	|	|	0.08
129.250	0.00	0.03	0.055	O	|	|	|	0.08
129.333	0.00	0.03	0.055	O	|	|	|	0.08
129.417	0.00	0.03	0.055	O	|	|	|	0.08
129.500	0.00	0.03	0.055	O	|	|	|	0.08
129.583	0.00	0.03	0.055	O	|	|	|	0.08
129.667	0.00	0.03	0.054	O	|	|	|	0.08
129.750	0.00	0.03	0.054	O	|	|	|	0.08
129.833	0.00	0.03	0.054	O	|	|	|	0.08
129.917	0.00	0.03	0.054	O	|	|	|	0.08
130.000	0.00	0.03	0.054	O	|	|	|	0.08
130.083	0.00	0.03	0.054	O	|	|	|	0.08
130.167	0.00	0.03	0.053	O	|	|	|	0.08
130.250	0.00	0.03	0.053	O	|	|	|	0.07
130.333	0.00	0.03	0.053	O	|	|	|	0.07
130.417	0.00	0.03	0.053	O	|	|	|	0.07
130.500	0.00	0.03	0.053	O	|	|	|	0.07
130.583	0.00	0.03	0.052	O	|	|	|	0.07
130.667	0.00	0.03	0.052	O	|	|	|	0.07
130.750	0.00	0.03	0.052	O	|	|	|	0.07
130.833	0.00	0.03	0.052	O	|	|	|	0.07
130.917	0.00	0.03	0.052	O	|	|	|	0.07
131.000	0.00	0.03	0.052	O	|	|	|	0.07
131.083	0.00	0.03	0.051	O	|	|	|	0.07
131.167	0.00	0.03	0.051	O	|	|	|	0.07
131.250	0.00	0.03	0.051	O	|	|	|	0.07
131.333	0.00	0.03	0.051	O	|	|	|	0.07
131.417	0.00	0.03	0.051	O	|	|	|	0.07
131.500	0.00	0.03	0.050	O	|	|	|	0.07
131.583	0.00	0.03	0.050	O	|	|	|	0.07
131.667	0.00	0.03	0.050	O	|	|	|	0.07
131.750	0.00	0.03	0.050	O	|	|	|	0.07
131.833	0.00	0.03	0.050	O	|	|	|	0.07
131.917	0.00	0.03	0.050	O	|	|	|	0.07
132.000	0.00	0.03	0.049	O	|	|	|	0.07
132.083	0.00	0.02	0.049	O	|	|	|	0.07
132.167	0.00	0.02	0.049	O	|	|	|	0.07
132.250	0.00	0.02	0.049	O	|	|	|	0.07
132.333	0.00	0.02	0.049	O	|	|	|	0.07
132.417	0.00	0.02	0.049	O	|	|	|	0.07
132.500	0.00	0.02	0.048	O	|	|	|	0.07
132.583	0.00	0.02	0.048	O	|	|	|	0.07
132.667	0.00	0.02	0.048	O	|	|	|	0.07
132.750	0.00	0.02	0.048	O	|	|	|	0.07
132.833	0.00	0.02	0.048	O	|	|	|	0.07
132.917	0.00	0.02	0.048	O	|	|	|	0.07
133.000	0.00	0.02	0.047	O	|	|	|	0.07
133.083	0.00	0.02	0.047	O	|	|	|	0.07
133.167	0.00	0.02	0.047	O	|	|	|	0.07
133.250	0.00	0.02	0.047	O	|	|	|	0.07
133.333	0.00	0.02	0.047	O	|	|	|	0.07
133.417	0.00	0.02	0.047	O	|	|	|	0.07
133.500	0.00	0.02	0.046	O	|	|	|	0.07
133.583	0.00	0.02	0.046	O	|	|	|	0.07
133.667	0.00	0.02	0.046	O	|	|	|	0.06
133.750	0.00	0.02	0.046	O	|	|	|	0.06
133.833	0.00	0.02	0.046	O	|	|	|	0.06
133.917	0.00	0.02	0.046	O	|	|	|	0.06
134.000	0.00	0.02	0.045	O	|	|	|	0.06
134.083	0.00	0.02	0.045	O	|	|	|	0.06
134.167	0.00	0.02	0.045	O	|	|	|	0.06
134.250	0.00	0.02	0.045	O	|	|	|	0.06
134.333	0.00	0.02	0.045	O	|	|	|	0.06
134.417	0.00	0.02	0.045	O	|	|	|	0.06

134.500	0.00	0.02	0.044	O	|	|	|	0.06
134.583	0.00	0.02	0.044	O	|	|	|	0.06
134.667	0.00	0.02	0.044	O	|	|	|	0.06
134.750	0.00	0.02	0.044	O	|	|	|	0.06
134.833	0.00	0.02	0.044	O	|	|	|	0.06
134.917	0.00	0.02	0.044	O	|	|	|	0.06
135.000	0.00	0.02	0.044	O	|	|	|	0.06
135.083	0.00	0.02	0.043	O	|	|	|	0.06
135.167	0.00	0.02	0.043	O	|	|	|	0.06
135.250	0.00	0.02	0.043	O	|	|	|	0.06
135.333	0.00	0.02	0.043	O	|	|	|	0.06
135.417	0.00	0.02	0.043	O	|	|	|	0.06
135.500	0.00	0.02	0.043	O	|	|	|	0.06
135.583	0.00	0.02	0.043	O	|	|	|	0.06
135.667	0.00	0.02	0.042	O	|	|	|	0.06
135.750	0.00	0.02	0.042	O	|	|	|	0.06
135.833	0.00	0.02	0.042	O	|	|	|	0.06
135.917	0.00	0.02	0.042	O	|	|	|	0.06
136.000	0.00	0.02	0.042	O	|	|	|	0.06
136.083	0.00	0.02	0.042	O	|	|	|	0.06
136.167	0.00	0.02	0.041	O	|	|	|	0.06
136.250	0.00	0.02	0.041	O	|	|	|	0.06
136.333	0.00	0.02	0.041	O	|	|	|	0.06
136.417	0.00	0.02	0.041	O	|	|	|	0.06
136.500	0.00	0.02	0.041	O	|	|	|	0.06
136.583	0.00	0.02	0.041	O	|	|	|	0.06
136.667	0.00	0.02	0.041	O	|	|	|	0.06
136.750	0.00	0.02	0.040	O	|	|	|	0.06
136.833	0.00	0.02	0.040	O	|	|	|	0.06
136.917	0.00	0.02	0.040	O	|	|	|	0.06
137.000	0.00	0.02	0.040	O	|	|	|	0.06
137.083	0.00	0.02	0.040	O	|	|	|	0.06
137.167	0.00	0.02	0.040	O	|	|	|	0.06
137.250	0.00	0.02	0.040	O	|	|	|	0.06
137.333	0.00	0.02	0.040	O	|	|	|	0.06
137.417	0.00	0.02	0.039	O	|	|	|	0.06
137.500	0.00	0.02	0.039	O	|	|	|	0.06
137.583	0.00	0.02	0.039	O	|	|	|	0.06
137.667	0.00	0.02	0.039	O	|	|	|	0.05
137.750	0.00	0.02	0.039	O	|	|	|	0.05
137.833	0.00	0.02	0.039	O	|	|	|	0.05
137.917	0.00	0.02	0.039	O	|	|	|	0.05
138.000	0.00	0.02	0.038	O	|	|	|	0.05
138.083	0.00	0.02	0.038	O	|	|	|	0.05
138.167	0.00	0.02	0.038	O	|	|	|	0.05
138.250	0.00	0.02	0.038	O	|	|	|	0.05
138.333	0.00	0.02	0.038	O	|	|	|	0.05
138.417	0.00	0.02	0.038	O	|	|	|	0.05
138.500	0.00	0.02	0.038	O	|	|	|	0.05
138.583	0.00	0.02	0.037	O	|	|	|	0.05
138.667	0.00	0.02	0.037	O	|	|	|	0.05
138.750	0.00	0.02	0.037	O	|	|	|	0.05
138.833	0.00	0.02	0.037	O	|	|	|	0.05
138.917	0.00	0.02	0.037	O	|	|	|	0.05
139.000	0.00	0.02	0.037	O	|	|	|	0.05
139.083	0.00	0.02	0.037	O	|	|	|	0.05
139.167	0.00	0.02	0.037	O	|	|	|	0.05
139.250	0.00	0.02	0.036	O	|	|	|	0.05
139.333	0.00	0.02	0.036	O	|	|	|	0.05
139.417	0.00	0.02	0.036	O	|	|	|	0.05
139.500	0.00	0.02	0.036	O	|	|	|	0.05
139.583	0.00	0.02	0.036	O	|	|	|	0.05
139.667	0.00	0.02	0.036	O	|	|	|	0.05
139.750	0.00	0.02	0.036	O	|	|	|	0.05
139.833	0.00	0.02	0.036	O	|	|	|	0.05
139.917	0.00	0.02	0.035	O	|	|	|	0.05
140.000	0.00	0.02	0.035	O	|	|	|	0.05

140.083	0.00	0.02	0.035	O	|	|	|	|	0.05
140.167	0.00	0.02	0.035	O	|	|	|	|	0.05
140.250	0.00	0.02	0.035	O	|	|	|	|	0.05
140.333	0.00	0.02	0.035	O	|	|	|	|	0.05
140.417	0.00	0.02	0.035	O	|	|	|	|	0.05
140.500	0.00	0.02	0.035	O	|	|	|	|	0.05
140.583	0.00	0.02	0.034	O	|	|	|	|	0.05
140.667	0.00	0.02	0.034	O	|	|	|	|	0.05
140.750	0.00	0.02	0.034	O	|	|	|	|	0.05
140.833	0.00	0.02	0.034	O	|	|	|	|	0.05
140.917	0.00	0.02	0.034	O	|	|	|	|	0.05
141.000	0.00	0.02	0.034	O	|	|	|	|	0.05
141.083	0.00	0.02	0.034	O	|	|	|	|	0.05
141.167	0.00	0.02	0.034	O	|	|	|	|	0.05
141.250	0.00	0.02	0.034	O	|	|	|	|	0.05
141.333	0.00	0.02	0.033	O	|	|	|	|	0.05
141.417	0.00	0.02	0.033	O	|	|	|	|	0.05
141.500	0.00	0.02	0.033	O	|	|	|	|	0.05
141.583	0.00	0.02	0.033	O	|	|	|	|	0.05
141.667	0.00	0.02	0.033	O	|	|	|	|	0.05
141.750	0.00	0.02	0.033	O	|	|	|	|	0.05
141.833	0.00	0.02	0.033	O	|	|	|	|	0.05
141.917	0.00	0.02	0.033	O	|	|	|	|	0.05
142.000	0.00	0.02	0.032	O	|	|	|	|	0.05
142.083	0.00	0.02	0.032	O	|	|	|	|	0.05
142.167	0.00	0.02	0.032	O	|	|	|	|	0.05
142.250	0.00	0.02	0.032	O	|	|	|	|	0.05
142.333	0.00	0.02	0.032	O	|	|	|	|	0.05
142.417	0.00	0.02	0.032	O	|	|	|	|	0.04
142.500	0.00	0.02	0.032	O	|	|	|	|	0.04
142.583	0.00	0.02	0.032	O	|	|	|	|	0.04
142.667	0.00	0.02	0.032	O	|	|	|	|	0.04
142.750	0.00	0.02	0.031	O	|	|	|	|	0.04
142.833	0.00	0.02	0.031	O	|	|	|	|	0.04
142.917	0.00	0.02	0.031	O	|	|	|	|	0.04
143.000	0.00	0.02	0.031	O	|	|	|	|	0.04
143.083	0.00	0.02	0.031	O	|	|	|	|	0.04
143.167	0.00	0.02	0.031	O	|	|	|	|	0.04
143.250	0.00	0.02	0.031	O	|	|	|	|	0.04
143.333	0.00	0.02	0.031	O	|	|	|	|	0.04
143.417	0.00	0.02	0.031	O	|	|	|	|	0.04
143.500	0.00	0.02	0.031	O	|	|	|	|	0.04
143.583	0.00	0.02	0.030	O	|	|	|	|	0.04
143.667	0.00	0.02	0.030	O	|	|	|	|	0.04
143.750	0.00	0.02	0.030	O	|	|	|	|	0.04
143.833	0.00	0.02	0.030	O	|	|	|	|	0.04
143.917	0.00	0.02	0.030	O	|	|	|	|	0.04
144.000	0.00	0.02	0.030	O	|	|	|	|	0.04
144.083	0.00	0.02	0.030	O	|	|	|	|	0.04
144.167	0.00	0.02	0.030	O	|	|	|	|	0.04
144.250	0.00	0.01	0.030	O	|	|	|	|	0.04
144.333	0.00	0.01	0.029	O	|	|	|	|	0.04
144.417	0.00	0.01	0.029	O	|	|	|	|	0.04
144.500	0.00	0.01	0.029	O	|	|	|	|	0.04
144.583	0.00	0.01	0.029	O	|	|	|	|	0.04
144.667	0.00	0.01	0.029	O	|	|	|	|	0.04
144.750	0.00	0.01	0.029	O	|	|	|	|	0.04
144.833	0.00	0.01	0.029	O	|	|	|	|	0.04
144.917	0.00	0.01	0.029	O	|	|	|	|	0.04
145.000	0.00	0.01	0.029	O	|	|	|	|	0.04
145.083	0.00	0.01	0.029	O	|	|	|	|	0.04
145.167	0.00	0.01	0.028	O	|	|	|	|	0.04
145.250	0.00	0.01	0.028	O	|	|	|	|	0.04
145.333	0.00	0.01	0.028	O	|	|	|	|	0.04
145.417	0.00	0.01	0.028	O	|	|	|	|	0.04
145.500	0.00	0.01	0.028	O	|	|	|	|	0.04
145.583	0.00	0.01	0.028	O	|	|	|	|	0.04

145.667	0.00	0.01	0.028	O	|	|	|	|	0.04
145.750	0.00	0.01	0.028	O	|	|	|	|	0.04
145.833	0.00	0.01	0.028	O	|	|	|	|	0.04
145.917	0.00	0.01	0.028	O	|	|	|	|	0.04
146.000	0.00	0.01	0.027	O	|	|	|	|	0.04
146.083	0.00	0.01	0.027	O	|	|	|	|	0.04
146.167	0.00	0.01	0.027	O	|	|	|	|	0.04
146.250	0.00	0.01	0.027	O	|	|	|	|	0.04
146.333	0.00	0.01	0.027	O	|	|	|	|	0.04
146.417	0.00	0.01	0.027	O	|	|	|	|	0.04
146.500	0.00	0.01	0.027	O	|	|	|	|	0.04
146.583	0.00	0.01	0.027	O	|	|	|	|	0.04
146.667	0.00	0.01	0.027	O	|	|	|	|	0.04
146.750	0.00	0.01	0.027	O	|	|	|	|	0.04
146.833	0.00	0.01	0.027	O	|	|	|	|	0.04
146.917	0.00	0.01	0.026	O	|	|	|	|	0.04
147.000	0.00	0.01	0.026	O	|	|	|	|	0.04
147.083	0.00	0.01	0.026	O	|	|	|	|	0.04
147.167	0.00	0.01	0.026	O	|	|	|	|	0.04
147.250	0.00	0.01	0.026	O	|	|	|	|	0.04
147.333	0.00	0.01	0.026	O	|	|	|	|	0.04
147.417	0.00	0.01	0.026	O	|	|	|	|	0.04
147.500	0.00	0.01	0.026	O	|	|	|	|	0.04
147.583	0.00	0.01	0.026	O	|	|	|	|	0.04
147.667	0.00	0.01	0.026	O	|	|	|	|	0.04
147.750	0.00	0.01	0.026	O	|	|	|	|	0.04
147.833	0.00	0.01	0.025	O	|	|	|	|	0.04
147.917	0.00	0.01	0.025	O	|	|	|	|	0.04
148.000	0.00	0.01	0.025	O	|	|	|	|	0.04
148.083	0.00	0.01	0.025	O	|	|	|	|	0.04
148.167	0.00	0.01	0.025	O	|	|	|	|	0.04
148.250	0.00	0.01	0.025	O	|	|	|	|	0.04
148.333	0.00	0.01	0.025	O	|	|	|	|	0.04
148.417	0.00	0.01	0.025	O	|	|	|	|	0.03
148.500	0.00	0.01	0.025	O	|	|	|	|	0.03
148.583	0.00	0.01	0.025	O	|	|	|	|	0.03
148.667	0.00	0.01	0.025	O	|	|	|	|	0.03
148.750	0.00	0.01	0.024	O	|	|	|	|	0.03
148.833	0.00	0.01	0.024	O	|	|	|	|	0.03
148.917	0.00	0.01	0.024	O	|	|	|	|	0.03
149.000	0.00	0.01	0.024	O	|	|	|	|	0.03
149.083	0.00	0.01	0.024	O	|	|	|	|	0.03
149.167	0.00	0.01	0.024	O	|	|	|	|	0.03
149.250	0.00	0.01	0.024	O	|	|	|	|	0.03
149.333	0.00	0.01	0.024	O	|	|	|	|	0.03
149.417	0.00	0.01	0.024	O	|	|	|	|	0.03
149.500	0.00	0.01	0.024	O	|	|	|	|	0.03
149.583	0.00	0.01	0.024	O	|	|	|	|	0.03
149.667	0.00	0.01	0.024	O	|	|	|	|	0.03
149.750	0.00	0.01	0.023	O	|	|	|	|	0.03
149.833	0.00	0.01	0.023	O	|	|	|	|	0.03
149.917	0.00	0.01	0.023	O	|	|	|	|	0.03
150.000	0.00	0.01	0.023	O	|	|	|	|	0.03
150.083	0.00	0.01	0.023	O	|	|	|	|	0.03
150.167	0.00	0.01	0.023	O	|	|	|	|	0.03
150.250	0.00	0.01	0.023	O	|	|	|	|	0.03
150.333	0.00	0.01	0.023	O	|	|	|	|	0.03
150.417	0.00	0.01	0.023	O	|	|	|	|	0.03
150.500	0.00	0.01	0.023	O	|	|	|	|	0.03
150.583	0.00	0.01	0.023	O	|	|	|	|	0.03
150.667	0.00	0.01	0.023	O	|	|	|	|	0.03
150.750	0.00	0.01	0.023	O	|	|	|	|	0.03
150.833	0.00	0.01	0.022	O	|	|	|	|	0.03
150.917	0.00	0.01	0.022	O	|	|	|	|	0.03
151.000	0.00	0.01	0.022	O	|	|	|	|	0.03
151.083	0.00	0.01	0.022	O	|	|	|	|	0.03
151.167	0.00	0.01	0.022	O	|	|	|	|	0.03

151.250	0.00	0.01	0.022	O	|	|	|	0.03
151.333	0.00	0.01	0.022	O	|	|	|	0.03
151.417	0.00	0.01	0.022	O	|	|	|	0.03
151.500	0.00	0.01	0.022	O	|	|	|	0.03
151.583	0.00	0.01	0.022	O	|	|	|	0.03
151.667	0.00	0.01	0.022	O	|	|	|	0.03
151.750	0.00	0.01	0.022	O	|	|	|	0.03
151.833	0.00	0.01	0.022	O	|	|	|	0.03
151.917	0.00	0.01	0.021	O	|	|	|	0.03
152.000	0.00	0.01	0.021	O	|	|	|	0.03
152.083	0.00	0.01	0.021	O	|	|	|	0.03
152.167	0.00	0.01	0.021	O	|	|	|	0.03
152.250	0.00	0.01	0.021	O	|	|	|	0.03
152.333	0.00	0.01	0.021	O	|	|	|	0.03
152.417	0.00	0.01	0.021	O	|	|	|	0.03
152.500	0.00	0.01	0.021	O	|	|	|	0.03
152.583	0.00	0.01	0.021	O	|	|	|	0.03
152.667	0.00	0.01	0.021	O	|	|	|	0.03
152.750	0.00	0.01	0.021	O	|	|	|	0.03
152.833	0.00	0.01	0.021	O	|	|	|	0.03
152.917	0.00	0.01	0.021	O	|	|	|	0.03
153.000	0.00	0.01	0.020	O	|	|	|	0.03
153.083	0.00	0.01	0.020	O	|	|	|	0.03
153.167	0.00	0.01	0.020	O	|	|	|	0.03
153.250	0.00	0.01	0.020	O	|	|	|	0.03
153.333	0.00	0.01	0.020	O	|	|	|	0.03
153.417	0.00	0.01	0.020	O	|	|	|	0.03
153.500	0.00	0.01	0.020	O	|	|	|	0.03
153.583	0.00	0.01	0.020	O	|	|	|	0.03
153.667	0.00	0.01	0.020	O	|	|	|	0.03
153.750	0.00	0.01	0.020	O	|	|	|	0.03
153.833	0.00	0.01	0.020	O	|	|	|	0.03
153.917	0.00	0.01	0.020	O	|	|	|	0.03
154.000	0.00	0.01	0.020	O	|	|	|	0.03
154.083	0.00	0.01	0.020	O	|	|	|	0.03
154.167	0.00	0.01	0.020	O	|	|	|	0.03
154.250	0.00	0.01	0.019	O	|	|	|	0.03
154.333	0.00	0.01	0.019	O	|	|	|	0.03
154.417	0.00	0.01	0.019	O	|	|	|	0.03
154.500	0.00	0.01	0.019	O	|	|	|	0.03
154.583	0.00	0.01	0.019	O	|	|	|	0.03
154.667	0.00	0.01	0.019	O	|	|	|	0.03
154.750	0.00	0.01	0.019	O	|	|	|	0.03
154.833	0.00	0.01	0.019	O	|	|	|	0.03
154.917	0.00	0.01	0.019	O	|	|	|	0.03
155.000	0.00	0.01	0.019	O	|	|	|	0.03
155.083	0.00	0.01	0.019	O	|	|	|	0.03
155.167	0.00	0.01	0.019	O	|	|	|	0.03
155.250	0.00	0.01	0.019	O	|	|	|	0.03
155.333	0.00	0.01	0.019	O	|	|	|	0.03
155.417	0.00	0.01	0.019	O	|	|	|	0.03
155.500	0.00	0.01	0.018	O	|	|	|	0.03
155.583	0.00	0.01	0.018	O	|	|	|	0.03
155.667	0.00	0.01	0.018	O	|	|	|	0.03
155.750	0.00	0.01	0.018	O	|	|	|	0.03
155.833	0.00	0.01	0.018	O	|	|	|	0.03
155.917	0.00	0.01	0.018	O	|	|	|	0.03
156.000	0.00	0.01	0.018	O	|	|	|	0.03
156.083	0.00	0.01	0.018	O	|	|	|	0.03
156.167	0.00	0.01	0.018	O	|	|	|	0.03
156.250	0.00	0.01	0.018	O	|	|	|	0.03
156.333	0.00	0.01	0.018	O	|	|	|	0.03
156.417	0.00	0.01	0.018	O	|	|	|	0.03
156.500	0.00	0.01	0.018	O	|	|	|	0.02
156.583	0.00	0.01	0.018	O	|	|	|	0.02
156.667	0.00	0.01	0.018	O	|	|	|	0.02
156.750	0.00	0.01	0.018	O	|	|	|	0.02

156.833	0.00	0.01	0.017	O	|	|	|	|	0.02
156.917	0.00	0.01	0.017	O	|	|	|	|	0.02
157.000	0.00	0.01	0.017	O	|	|	|	|	0.02
157.083	0.00	0.01	0.017	O	|	|	|	|	0.02
157.167	0.00	0.01	0.017	O	|	|	|	|	0.02
157.250	0.00	0.01	0.017	O	|	|	|	|	0.02
157.333	0.00	0.01	0.017	O	|	|	|	|	0.02
157.417	0.00	0.01	0.017	O	|	|	|	|	0.02
157.500	0.00	0.01	0.017	O	|	|	|	|	0.02
157.583	0.00	0.01	0.017	O	|	|	|	|	0.02
157.667	0.00	0.01	0.017	O	|	|	|	|	0.02
157.750	0.00	0.01	0.017	O	|	|	|	|	0.02
157.833	0.00	0.01	0.017	O	|	|	|	|	0.02
157.917	0.00	0.01	0.017	O	|	|	|	|	0.02
158.000	0.00	0.01	0.017	O	|	|	|	|	0.02
158.083	0.00	0.01	0.017	O	|	|	|	|	0.02
158.167	0.00	0.01	0.017	O	|	|	|	|	0.02
158.250	0.00	0.01	0.016	O	|	|	|	|	0.02
158.333	0.00	0.01	0.016	O	|	|	|	|	0.02
158.417	0.00	0.01	0.016	O	|	|	|	|	0.02
158.500	0.00	0.01	0.016	O	|	|	|	|	0.02
158.583	0.00	0.01	0.016	O	|	|	|	|	0.02
158.667	0.00	0.01	0.016	O	|	|	|	|	0.02
158.750	0.00	0.01	0.016	O	|	|	|	|	0.02
158.833	0.00	0.01	0.016	O	|	|	|	|	0.02
158.917	0.00	0.01	0.016	O	|	|	|	|	0.02
159.000	0.00	0.01	0.016	O	|	|	|	|	0.02
159.083	0.00	0.01	0.016	O	|	|	|	|	0.02
159.167	0.00	0.01	0.016	O	|	|	|	|	0.02
159.250	0.00	0.01	0.016	O	|	|	|	|	0.02
159.333	0.00	0.01	0.016	O	|	|	|	|	0.02
159.417	0.00	0.01	0.016	O	|	|	|	|	0.02
159.500	0.00	0.01	0.016	O	|	|	|	|	0.02
159.583	0.00	0.01	0.016	O	|	|	|	|	0.02
159.667	0.00	0.01	0.016	O	|	|	|	|	0.02
159.750	0.00	0.01	0.015	O	|	|	|	|	0.02
159.833	0.00	0.01	0.015	O	|	|	|	|	0.02
159.917	0.00	0.01	0.015	O	|	|	|	|	0.02
160.000	0.00	0.01	0.015	O	|	|	|	|	0.02
160.083	0.00	0.01	0.015	O	|	|	|	|	0.02
160.167	0.00	0.01	0.015	O	|	|	|	|	0.02
160.250	0.00	0.01	0.015	O	|	|	|	|	0.02
160.333	0.00	0.01	0.015	O	|	|	|	|	0.02
160.417	0.00	0.01	0.015	O	|	|	|	|	0.02
160.500	0.00	0.01	0.015	O	|	|	|	|	0.02
160.583	0.00	0.01	0.015	O	|	|	|	|	0.02
160.667	0.00	0.01	0.015	O	|	|	|	|	0.02
160.750	0.00	0.01	0.015	O	|	|	|	|	0.02
160.833	0.00	0.01	0.015	O	|	|	|	|	0.02
160.917	0.00	0.01	0.015	O	|	|	|	|	0.02
161.000	0.00	0.01	0.015	O	|	|	|	|	0.02
161.083	0.00	0.01	0.015	O	|	|	|	|	0.02
161.167	0.00	0.01	0.015	O	|	|	|	|	0.02
161.250	0.00	0.01	0.015	O	|	|	|	|	0.02
161.333	0.00	0.01	0.014	O	|	|	|	|	0.02
161.417	0.00	0.01	0.014	O	|	|	|	|	0.02
161.500	0.00	0.01	0.014	O	|	|	|	|	0.02
161.583	0.00	0.01	0.014	O	|	|	|	|	0.02
161.667	0.00	0.01	0.014	O	|	|	|	|	0.02
161.750	0.00	0.01	0.014	O	|	|	|	|	0.02
161.833	0.00	0.01	0.014	O	|	|	|	|	0.02
161.917	0.00	0.01	0.014	O	|	|	|	|	0.02
162.000	0.00	0.01	0.014	O	|	|	|	|	0.02
162.083	0.00	0.01	0.014	O	|	|	|	|	0.02
162.167	0.00	0.01	0.014	O	|	|	|	|	0.02
162.250	0.00	0.01	0.014	O	|	|	|	|	0.02
162.333	0.00	0.01	0.014	O	|	|	|	|	0.02

162.417	0.00	0.01	0.014	O	|	|	|	|	0.02
162.500	0.00	0.01	0.014	O	|	|	|	|	0.02
162.583	0.00	0.01	0.014	O	|	|	|	|	0.02
162.667	0.00	0.01	0.014	O	|	|	|	|	0.02
162.750	0.00	0.01	0.014	O	|	|	|	|	0.02
162.833	0.00	0.01	0.014	O	|	|	|	|	0.02
162.917	0.00	0.01	0.014	O	|	|	|	|	0.02
163.000	0.00	0.01	0.013	O	|	|	|	|	0.02
163.083	0.00	0.01	0.013	O	|	|	|	|	0.02
163.167	0.00	0.01	0.013	O	|	|	|	|	0.02
163.250	0.00	0.01	0.013	O	|	|	|	|	0.02
163.333	0.00	0.01	0.013	O	|	|	|	|	0.02
163.417	0.00	0.01	0.013	O	|	|	|	|	0.02
163.500	0.00	0.01	0.013	O	|	|	|	|	0.02
163.583	0.00	0.01	0.013	O	|	|	|	|	0.02
163.667	0.00	0.01	0.013	O	|	|	|	|	0.02
163.750	0.00	0.01	0.013	O	|	|	|	|	0.02
163.833	0.00	0.01	0.013	O	|	|	|	|	0.02
163.917	0.00	0.01	0.013	O	|	|	|	|	0.02
164.000	0.00	0.01	0.013	O	|	|	|	|	0.02
164.083	0.00	0.01	0.013	O	|	|	|	|	0.02
164.167	0.00	0.01	0.013	O	|	|	|	|	0.02
164.250	0.00	0.01	0.013	O	|	|	|	|	0.02
164.333	0.00	0.01	0.013	O	|	|	|	|	0.02
164.417	0.00	0.01	0.013	O	|	|	|	|	0.02
164.500	0.00	0.01	0.013	O	|	|	|	|	0.02
164.583	0.00	0.01	0.013	O	|	|	|	|	0.02
164.667	0.00	0.01	0.013	O	|	|	|	|	0.02
164.750	0.00	0.01	0.013	O	|	|	|	|	0.02
164.833	0.00	0.01	0.012	O	|	|	|	|	0.02
164.917	0.00	0.01	0.012	O	|	|	|	|	0.02
165.000	0.00	0.01	0.012	O	|	|	|	|	0.02
165.083	0.00	0.01	0.012	O	|	|	|	|	0.02
165.167	0.00	0.01	0.012	O	|	|	|	|	0.02
165.250	0.00	0.01	0.012	O	|	|	|	|	0.02
165.333	0.00	0.01	0.012	O	|	|	|	|	0.02
165.417	0.00	0.01	0.012	O	|	|	|	|	0.02
165.500	0.00	0.01	0.012	O	|	|	|	|	0.02
165.583	0.00	0.01	0.012	O	|	|	|	|	0.02
165.667	0.00	0.01	0.012	O	|	|	|	|	0.02
165.750	0.00	0.01	0.012	O	|	|	|	|	0.02
165.833	0.00	0.01	0.012	O	|	|	|	|	0.02
165.917	0.00	0.01	0.012	O	|	|	|	|	0.02
166.000	0.00	0.01	0.012	O	|	|	|	|	0.02
166.083	0.00	0.01	0.012	O	|	|	|	|	0.02
166.167	0.00	0.01	0.012	O	|	|	|	|	0.02
166.250	0.00	0.01	0.012	O	|	|	|	|	0.02
166.333	0.00	0.01	0.012	O	|	|	|	|	0.02
166.417	0.00	0.01	0.012	O	|	|	|	|	0.02
166.500	0.00	0.01	0.012	O	|	|	|	|	0.02
166.583	0.00	0.01	0.012	O	|	|	|	|	0.02
166.667	0.00	0.01	0.012	O	|	|	|	|	0.02
166.750	0.00	0.01	0.012	O	|	|	|	|	0.02
166.833	0.00	0.01	0.011	O	|	|	|	|	0.02
166.917	0.00	0.01	0.011	O	|	|	|	|	0.02
167.000	0.00	0.01	0.011	O	|	|	|	|	0.02
167.083	0.00	0.01	0.011	O	|	|	|	|	0.02
167.167	0.00	0.01	0.011	O	|	|	|	|	0.02
167.250	0.00	0.01	0.011	O	|	|	|	|	0.02
167.333	0.00	0.01	0.011	O	|	|	|	|	0.02
167.417	0.00	0.01	0.011	O	|	|	|	|	0.02
167.500	0.00	0.01	0.011	O	|	|	|	|	0.02
167.583	0.00	0.01	0.011	O	|	|	|	|	0.02
167.667	0.00	0.01	0.011	O	|	|	|	|	0.02
167.750	0.00	0.01	0.011	O	|	|	|	|	0.02
167.833	0.00	0.01	0.011	O	|	|	|	|	0.02
167.917	0.00	0.01	0.011	O	|	|	|	|	0.02

168.000	0.00	0.01	0.011	O	|	|	|	|	0.02
168.083	0.00	0.01	0.011	O	|	|	|	|	0.02
168.167	0.00	0.01	0.011	O	|	|	|	|	0.02
168.250	0.00	0.01	0.011	O	|	|	|	|	0.02
168.333	0.00	0.01	0.011	O	|	|	|	|	0.02
168.417	0.00	0.01	0.011	O	|	|	|	|	0.02
168.500	0.00	0.01	0.011	O	|	|	|	|	0.02
168.583	0.00	0.01	0.011	O	|	|	|	|	0.02
168.667	0.00	0.01	0.011	O	|	|	|	|	0.01
168.750	0.00	0.01	0.011	O	|	|	|	|	0.01
168.833	0.00	0.01	0.011	O	|	|	|	|	0.01
168.917	0.00	0.01	0.011	O	|	|	|	|	0.01
169.000	0.00	0.01	0.010	O	|	|	|	|	0.01
169.083	0.00	0.01	0.010	O	|	|	|	|	0.01
169.167	0.00	0.01	0.010	O	|	|	|	|	0.01
169.250	0.00	0.01	0.010	O	|	|	|	|	0.01
169.333	0.00	0.01	0.010	O	|	|	|	|	0.01
169.417	0.00	0.01	0.010	O	|	|	|	|	0.01
169.500	0.00	0.01	0.010	O	|	|	|	|	0.01
169.583	0.00	0.01	0.010	O	|	|	|	|	0.01
169.667	0.00	0.01	0.010	O	|	|	|	|	0.01
169.750	0.00	0.01	0.010	O	|	|	|	|	0.01
169.833	0.00	0.01	0.010	O	|	|	|	|	0.01
169.917	0.00	0.01	0.010	O	|	|	|	|	0.01
170.000	0.00	0.01	0.010	O	|	|	|	|	0.01
170.083	0.00	0.01	0.010	O	|	|	|	|	0.01
170.167	0.00	0.01	0.010	O	|	|	|	|	0.01
170.250	0.00	0.01	0.010	O	|	|	|	|	0.01
170.333	0.00	0.01	0.010	O	|	|	|	|	0.01
170.417	0.00	0.01	0.010	O	|	|	|	|	0.01
170.500	0.00	0.00	0.010	O	|	|	|	|	0.01
170.583	0.00	0.00	0.010	O	|	|	|	|	0.01
170.667	0.00	0.00	0.010	O	|	|	|	|	0.01
170.750	0.00	0.00	0.010	O	|	|	|	|	0.01
170.833	0.00	0.00	0.010	O	|	|	|	|	0.01
170.917	0.00	0.00	0.010	O	|	|	|	|	0.01
171.000	0.00	0.00	0.010	O	|	|	|	|	0.01
171.083	0.00	0.00	0.010	O	|	|	|	|	0.01
171.167	0.00	0.00	0.010	O	|	|	|	|	0.01
171.250	0.00	0.00	0.010	O	|	|	|	|	0.01
171.333	0.00	0.00	0.010	O	|	|	|	|	0.01
171.417	0.00	0.00	0.009	O	|	|	|	|	0.01
171.500	0.00	0.00	0.009	O	|	|	|	|	0.01
171.583	0.00	0.00	0.009	O	|	|	|	|	0.01
171.667	0.00	0.00	0.009	O	|	|	|	|	0.01
171.750	0.00	0.00	0.009	O	|	|	|	|	0.01
171.833	0.00	0.00	0.009	O	|	|	|	|	0.01
171.917	0.00	0.00	0.009	O	|	|	|	|	0.01
172.000	0.00	0.00	0.009	O	|	|	|	|	0.01
172.083	0.00	0.00	0.009	O	|	|	|	|	0.01
172.167	0.00	0.00	0.009	O	|	|	|	|	0.01
172.250	0.00	0.00	0.009	O	|	|	|	|	0.01
172.333	0.00	0.00	0.009	O	|	|	|	|	0.01
172.417	0.00	0.00	0.009	O	|	|	|	|	0.01
172.500	0.00	0.00	0.009	O	|	|	|	|	0.01
172.583	0.00	0.00	0.009	O	|	|	|	|	0.01
172.667	0.00	0.00	0.009	O	|	|	|	|	0.01
172.750	0.00	0.00	0.009	O	|	|	|	|	0.01
172.833	0.00	0.00	0.009	O	|	|	|	|	0.01
172.917	0.00	0.00	0.009	O	|	|	|	|	0.01
173.000	0.00	0.00	0.009	O	|	|	|	|	0.01
173.083	0.00	0.00	0.009	O	|	|	|	|	0.01
173.167	0.00	0.00	0.009	O	|	|	|	|	0.01
173.250	0.00	0.00	0.009	O	|	|	|	|	0.01
173.333	0.00	0.00	0.009	O	|	|	|	|	0.01
173.417	0.00	0.00	0.009	O	|	|	|	|	0.01
173.500	0.00	0.00	0.009	O	|	|	|	|	0.01

173.583	0.00	0.00	0.009	O	|	|	|	| 0.01
173.667	0.00	0.00	0.009	O	|	|	|	| 0.01
173.750	0.00	0.00	0.009	O	|	|	|	| 0.01
173.833	0.00	0.00	0.009	O	|	|	|	| 0.01
173.917	0.00	0.00	0.009	O	|	|	|	| 0.01
174.000	0.00	0.00	0.009	O	|	|	|	| 0.01
174.083	0.00	0.00	0.008	O	|	|	|	| 0.01
174.167	0.00	0.00	0.008	O	|	|	|	| 0.01
174.250	0.00	0.00	0.008	O	|	|	|	| 0.01
174.333	0.00	0.00	0.008	O	|	|	|	| 0.01
174.417	0.00	0.00	0.008	O	|	|	|	| 0.01
174.500	0.00	0.00	0.008	O	|	|	|	| 0.01
174.583	0.00	0.00	0.008	O	|	|	|	| 0.01
174.667	0.00	0.00	0.008	O	|	|	|	| 0.01
174.750	0.00	0.00	0.008	O	|	|	|	| 0.01
174.833	0.00	0.00	0.008	O	|	|	|	| 0.01
174.917	0.00	0.00	0.008	O	|	|	|	| 0.01
175.000	0.00	0.00	0.008	O	|	|	|	| 0.01
175.083	0.00	0.00	0.008	O	|	|	|	| 0.01
175.167	0.00	0.00	0.008	O	|	|	|	| 0.01
175.250	0.00	0.00	0.008	O	|	|	|	| 0.01
175.333	0.00	0.00	0.008	O	|	|	|	| 0.01
175.417	0.00	0.00	0.008	O	|	|	|	| 0.01
175.500	0.00	0.00	0.008	O	|	|	|	| 0.01
175.583	0.00	0.00	0.008	O	|	|	|	| 0.01
175.667	0.00	0.00	0.008	O	|	|	|	| 0.01
175.750	0.00	0.00	0.008	O	|	|	|	| 0.01
175.833	0.00	0.00	0.008	O	|	|	|	| 0.01
175.917	0.00	0.00	0.008	O	|	|	|	| 0.01
176.000	0.00	0.00	0.008	O	|	|	|	| 0.01
176.083	0.00	0.00	0.008	O	|	|	|	| 0.01
176.167	0.00	0.00	0.008	O	|	|	|	| 0.01
176.250	0.00	0.00	0.008	O	|	|	|	| 0.01
176.333	0.00	0.00	0.008	O	|	|	|	| 0.01
176.417	0.00	0.00	0.008	O	|	|	|	| 0.01
176.500	0.00	0.00	0.008	O	|	|	|	| 0.01
176.583	0.00	0.00	0.008	O	|	|	|	| 0.01
176.667	0.00	0.00	0.008	O	|	|	|	| 0.01
176.750	0.00	0.00	0.008	O	|	|	|	| 0.01
176.833	0.00	0.00	0.008	O	|	|	|	| 0.01
176.917	0.00	0.00	0.008	O	|	|	|	| 0.01
177.000	0.00	0.00	0.007	O	|	|	|	| 0.01
177.083	0.00	0.00	0.007	O	|	|	|	| 0.01
177.167	0.00	0.00	0.007	O	|	|	|	| 0.01
177.250	0.00	0.00	0.007	O	|	|	|	| 0.01
177.333	0.00	0.00	0.007	O	|	|	|	| 0.01
177.417	0.00	0.00	0.007	O	|	|	|	| 0.01
177.500	0.00	0.00	0.007	O	|	|	|	| 0.01
177.583	0.00	0.00	0.007	O	|	|	|	| 0.01
177.667	0.00	0.00	0.007	O	|	|	|	| 0.01
177.750	0.00	0.00	0.007	O	|	|	|	| 0.01
177.833	0.00	0.00	0.007	O	|	|	|	| 0.01
177.917	0.00	0.00	0.007	O	|	|	|	| 0.01
178.000	0.00	0.00	0.007	O	|	|	|	| 0.01
178.083	0.00	0.00	0.007	O	|	|	|	| 0.01
178.167	0.00	0.00	0.007	O	|	|	|	| 0.01
178.250	0.00	0.00	0.007	O	|	|	|	| 0.01
178.333	0.00	0.00	0.007	O	|	|	|	| 0.01
178.417	0.00	0.00	0.007	O	|	|	|	| 0.01
178.500	0.00	0.00	0.007	O	|	|	|	| 0.01
178.583	0.00	0.00	0.007	O	|	|	|	| 0.01
178.667	0.00	0.00	0.007	O	|	|	|	| 0.01
178.750	0.00	0.00	0.007	O	|	|	|	| 0.01
178.833	0.00	0.00	0.007	O	|	|	|	| 0.01
178.917	0.00	0.00	0.007	O	|	|	|	| 0.01
179.000	0.00	0.00	0.007	O	|	|	|	| 0.01
179.083	0.00	0.00	0.007	O	|	|	|	| 0.01

179.167	0.00	0.00	0.007	O	|	|	|	0.01
179.250	0.00	0.00	0.007	O	|	|	|	0.01
179.333	0.00	0.00	0.007	O	|	|	|	0.01
179.417	0.00	0.00	0.007	O	|	|	|	0.01
179.500	0.00	0.00	0.007	O	|	|	|	0.01
179.583	0.00	0.00	0.007	O	|	|	|	0.01
179.667	0.00	0.00	0.007	O	|	|	|	0.01
179.750	0.00	0.00	0.007	O	|	|	|	0.01
179.833	0.00	0.00	0.007	O	|	|	|	0.01
179.917	0.00	0.00	0.007	O	|	|	|	0.01
180.000	0.00	0.00	0.007	O	|	|	|	0.01
180.083	0.00	0.00	0.007	O	|	|	|	0.01
180.167	0.00	0.00	0.007	O	|	|	|	0.01
180.250	0.00	0.00	0.007	O	|	|	|	0.01
180.333	0.00	0.00	0.007	O	|	|	|	0.01
180.417	0.00	0.00	0.006	O	|	|	|	0.01
180.500	0.00	0.00	0.006	O	|	|	|	0.01
180.583	0.00	0.00	0.006	O	|	|	|	0.01
180.667	0.00	0.00	0.006	O	|	|	|	0.01
180.750	0.00	0.00	0.006	O	|	|	|	0.01
180.833	0.00	0.00	0.006	O	|	|	|	0.01
180.917	0.00	0.00	0.006	O	|	|	|	0.01
181.000	0.00	0.00	0.006	O	|	|	|	0.01
181.083	0.00	0.00	0.006	O	|	|	|	0.01
181.167	0.00	0.00	0.006	O	|	|	|	0.01
181.250	0.00	0.00	0.006	O	|	|	|	0.01
181.333	0.00	0.00	0.006	O	|	|	|	0.01
181.417	0.00	0.00	0.006	O	|	|	|	0.01
181.500	0.00	0.00	0.006	O	|	|	|	0.01
181.583	0.00	0.00	0.006	O	|	|	|	0.01
181.667	0.00	0.00	0.006	O	|	|	|	0.01
181.750	0.00	0.00	0.006	O	|	|	|	0.01
181.833	0.00	0.00	0.006	O	|	|	|	0.01
181.917	0.00	0.00	0.006	O	|	|	|	0.01
182.000	0.00	0.00	0.006	O	|	|	|	0.01
182.083	0.00	0.00	0.006	O	|	|	|	0.01
182.167	0.00	0.00	0.006	O	|	|	|	0.01
182.250	0.00	0.00	0.006	O	|	|	|	0.01
182.333	0.00	0.00	0.006	O	|	|	|	0.01
182.417	0.00	0.00	0.006	O	|	|	|	0.01
182.500	0.00	0.00	0.006	O	|	|	|	0.01
182.583	0.00	0.00	0.006	O	|	|	|	0.01
182.667	0.00	0.00	0.006	O	|	|	|	0.01
182.750	0.00	0.00	0.006	O	|	|	|	0.01
182.833	0.00	0.00	0.006	O	|	|	|	0.01
182.917	0.00	0.00	0.006	O	|	|	|	0.01
183.000	0.00	0.00	0.006	O	|	|	|	0.01
183.083	0.00	0.00	0.006	O	|	|	|	0.01
183.167	0.00	0.00	0.006	O	|	|	|	0.01
183.250	0.00	0.00	0.006	O	|	|	|	0.01
183.333	0.00	0.00	0.006	O	|	|	|	0.01
183.417	0.00	0.00	0.006	O	|	|	|	0.01
183.500	0.00	0.00	0.006	O	|	|	|	0.01
183.583	0.00	0.00	0.006	O	|	|	|	0.01
183.667	0.00	0.00	0.006	O	|	|	|	0.01
183.750	0.00	0.00	0.006	O	|	|	|	0.01
183.833	0.00	0.00	0.006	O	|	|	|	0.01
183.917	0.00	0.00	0.006	O	|	|	|	0.01
184.000	0.00	0.00	0.006	O	|	|	|	0.01
184.083	0.00	0.00	0.006	O	|	|	|	0.01
184.167	0.00	0.00	0.006	O	|	|	|	0.01
184.250	0.00	0.00	0.006	O	|	|	|	0.01
184.333	0.00	0.00	0.006	O	|	|	|	0.01
184.417	0.00	0.00	0.005	O	|	|	|	0.01
184.500	0.00	0.00	0.005	O	|	|	|	0.01
184.583	0.00	0.00	0.005	O	|	|	|	0.01
184.667	0.00	0.00	0.005	O	|	|	|	0.01

184.750	0.00	0.00	0.005	O	|	|	|	0.01
184.833	0.00	0.00	0.005	O	|	|	|	0.01
184.917	0.00	0.00	0.005	O	|	|	|	0.01
185.000	0.00	0.00	0.005	O	|	|	|	0.01
185.083	0.00	0.00	0.005	O	|	|	|	0.01
185.167	0.00	0.00	0.005	O	|	|	|	0.01
185.250	0.00	0.00	0.005	O	|	|	|	0.01
185.333	0.00	0.00	0.005	O	|	|	|	0.01
185.417	0.00	0.00	0.005	O	|	|	|	0.01
185.500	0.00	0.00	0.005	O	|	|	|	0.01
185.583	0.00	0.00	0.005	O	|	|	|	0.01
185.667	0.00	0.00	0.005	O	|	|	|	0.01
185.750	0.00	0.00	0.005	O	|	|	|	0.01
185.833	0.00	0.00	0.005	O	|	|	|	0.01
185.917	0.00	0.00	0.005	O	|	|	|	0.01
186.000	0.00	0.00	0.005	O	|	|	|	0.01
186.083	0.00	0.00	0.005	O	|	|	|	0.01
186.167	0.00	0.00	0.005	O	|	|	|	0.01
186.250	0.00	0.00	0.005	O	|	|	|	0.01
186.333	0.00	0.00	0.005	O	|	|	|	0.01
186.417	0.00	0.00	0.005	O	|	|	|	0.01
186.500	0.00	0.00	0.005	O	|	|	|	0.01
186.583	0.00	0.00	0.005	O	|	|	|	0.01
186.667	0.00	0.00	0.005	O	|	|	|	0.01
186.750	0.00	0.00	0.005	O	|	|	|	0.01
186.833	0.00	0.00	0.005	O	|	|	|	0.01
186.917	0.00	0.00	0.005	O	|	|	|	0.01
187.000	0.00	0.00	0.005	O	|	|	|	0.01
187.083	0.00	0.00	0.005	O	|	|	|	0.01
187.167	0.00	0.00	0.005	O	|	|	|	0.01
187.250	0.00	0.00	0.005	O	|	|	|	0.01
187.333	0.00	0.00	0.005	O	|	|	|	0.01
187.417	0.00	0.00	0.005	O	|	|	|	0.01
187.500	0.00	0.00	0.005	O	|	|	|	0.01
187.583	0.00	0.00	0.005	O	|	|	|	0.01
187.667	0.00	0.00	0.005	O	|	|	|	0.01
187.750	0.00	0.00	0.005	O	|	|	|	0.01
187.833	0.00	0.00	0.005	O	|	|	|	0.01
187.917	0.00	0.00	0.005	O	|	|	|	0.01
188.000	0.00	0.00	0.005	O	|	|	|	0.01
188.083	0.00	0.00	0.005	O	|	|	|	0.01
188.167	0.00	0.00	0.005	O	|	|	|	0.01
188.250	0.00	0.00	0.005	O	|	|	|	0.01
188.333	0.00	0.00	0.005	O	|	|	|	0.01
188.417	0.00	0.00	0.005	O	|	|	|	0.01
188.500	0.00	0.00	0.005	O	|	|	|	0.01
188.583	0.00	0.00	0.005	O	|	|	|	0.01
188.667	0.00	0.00	0.005	O	|	|	|	0.01
188.750	0.00	0.00	0.005	O	|	|	|	0.01
188.833	0.00	0.00	0.005	O	|	|	|	0.01
188.917	0.00	0.00	0.005	O	|	|	|	0.01
189.000	0.00	0.00	0.005	O	|	|	|	0.01
189.083	0.00	0.00	0.005	O	|	|	|	0.01
189.167	0.00	0.00	0.005	O	|	|	|	0.01
189.250	0.00	0.00	0.004	O	|	|	|	0.01
189.333	0.00	0.00	0.004	O	|	|	|	0.01
189.417	0.00	0.00	0.004	O	|	|	|	0.01
189.500	0.00	0.00	0.004	O	|	|	|	0.01
189.583	0.00	0.00	0.004	O	|	|	|	0.01
189.667	0.00	0.00	0.004	O	|	|	|	0.01
189.750	0.00	0.00	0.004	O	|	|	|	0.01
189.833	0.00	0.00	0.004	O	|	|	|	0.01
189.917	0.00	0.00	0.004	O	|	|	|	0.01
190.000	0.00	0.00	0.004	O	|	|	|	0.01
190.083	0.00	0.00	0.004	O	|	|	|	0.01
190.167	0.00	0.00	0.004	O	|	|	|	0.01
190.250	0.00	0.00	0.004	O	|	|	|	0.01

190.333	0.00	0.00	0.004	O	|	|	|	|	0.01
190.417	0.00	0.00	0.004	O	|	|	|	|	0.01
190.500	0.00	0.00	0.004	O	|	|	|	|	0.01
190.583	0.00	0.00	0.004	O	|	|	|	|	0.01
190.667	0.00	0.00	0.004	O	|	|	|	|	0.01
190.750	0.00	0.00	0.004	O	|	|	|	|	0.01
190.833	0.00	0.00	0.004	O	|	|	|	|	0.01
190.917	0.00	0.00	0.004	O	|	|	|	|	0.01
191.000	0.00	0.00	0.004	O	|	|	|	|	0.01
191.083	0.00	0.00	0.004	O	|	|	|	|	0.01
191.167	0.00	0.00	0.004	O	|	|	|	|	0.01
191.250	0.00	0.00	0.004	O	|	|	|	|	0.01
191.333	0.00	0.00	0.004	O	|	|	|	|	0.01
191.417	0.00	0.00	0.004	O	|	|	|	|	0.01
191.500	0.00	0.00	0.004	O	|	|	|	|	0.01
191.583	0.00	0.00	0.004	O	|	|	|	|	0.01
191.667	0.00	0.00	0.004	O	|	|	|	|	0.01
191.750	0.00	0.00	0.004	O	|	|	|	|	0.01
191.833	0.00	0.00	0.004	O	|	|	|	|	0.01
191.917	0.00	0.00	0.004	O	|	|	|	|	0.01
192.000	0.00	0.00	0.004	O	|	|	|	|	0.01
192.083	0.00	0.00	0.004	O	|	|	|	|	0.01
192.167	0.00	0.00	0.004	O	|	|	|	|	0.01
192.250	0.00	0.00	0.004	O	|	|	|	|	0.01
192.333	0.00	0.00	0.004	O	|	|	|	|	0.01
192.417	0.00	0.00	0.004	O	|	|	|	|	0.01
192.500	0.00	0.00	0.004	O	|	|	|	|	0.01
192.583	0.00	0.00	0.004	O	|	|	|	|	0.01
192.667	0.00	0.00	0.004	O	|	|	|	|	0.01
192.750	0.00	0.00	0.004	O	|	|	|	|	0.01
192.833	0.00	0.00	0.004	O	|	|	|	|	0.01
192.917	0.00	0.00	0.004	O	|	|	|	|	0.01
193.000	0.00	0.00	0.004	O	|	|	|	|	0.01
193.083	0.00	0.00	0.004	O	|	|	|	|	0.01
193.167	0.00	0.00	0.004	O	|	|	|	|	0.01
193.250	0.00	0.00	0.004	O	|	|	|	|	0.01
193.333	0.00	0.00	0.004	O	|	|	|	|	0.01
193.417	0.00	0.00	0.004	O	|	|	|	|	0.01
193.500	0.00	0.00	0.004	O	|	|	|	|	0.01
193.583	0.00	0.00	0.004	O	|	|	|	|	0.01
193.667	0.00	0.00	0.004	O	|	|	|	|	0.01
193.750	0.00	0.00	0.004	O	|	|	|	|	0.01
193.833	0.00	0.00	0.004	O	|	|	|	|	0.01
193.917	0.00	0.00	0.004	O	|	|	|	|	0.01
194.000	0.00	0.00	0.004	O	|	|	|	|	0.01
194.083	0.00	0.00	0.004	O	|	|	|	|	0.01
194.167	0.00	0.00	0.004	O	|	|	|	|	0.01
194.250	0.00	0.00	0.004	O	|	|	|	|	0.01
194.333	0.00	0.00	0.004	O	|	|	|	|	0.01
194.417	0.00	0.00	0.004	O	|	|	|	|	0.01
194.500	0.00	0.00	0.004	O	|	|	|	|	0.01
194.583	0.00	0.00	0.004	O	|	|	|	|	0.01
194.667	0.00	0.00	0.004	O	|	|	|	|	0.01
194.750	0.00	0.00	0.004	O	|	|	|	|	0.01
194.833	0.00	0.00	0.004	O	|	|	|	|	0.01
194.917	0.00	0.00	0.004	O	|	|	|	|	0.00
195.000	0.00	0.00	0.004	O	|	|	|	|	0.00
195.083	0.00	0.00	0.004	O	|	|	|	|	0.00
195.167	0.00	0.00	0.004	O	|	|	|	|	0.00
195.250	0.00	0.00	0.003	O	|	|	|	|	0.00
195.333	0.00	0.00	0.003	O	|	|	|	|	0.00
195.417	0.00	0.00	0.003	O	|	|	|	|	0.00
195.500	0.00	0.00	0.003	O	|	|	|	|	0.00
195.583	0.00	0.00	0.003	O	|	|	|	|	0.00
195.667	0.00	0.00	0.003	O	|	|	|	|	0.00
195.750	0.00	0.00	0.003	O	|	|	|	|	0.00
195.833	0.00	0.00	0.003	O	|	|	|	|	0.00

195.917	0.00	0.00	0.003	O					0.00
196.000	0.00	0.00	0.003	O					0.00
196.083	0.00	0.00	0.003	O					0.00
196.167	0.00	0.00	0.003	O					0.00
196.250	0.00	0.00	0.003	O					0.00
196.333	0.00	0.00	0.003	O					0.00
196.417	0.00	0.00	0.003	O					0.00
196.500	0.00	0.00	0.003	O					0.00
196.583	0.00	0.00	0.003	O					0.00
196.667	0.00	0.00	0.003	O					0.00
196.750	0.00	0.00	0.003	O					0.00
196.833	0.00	0.00	0.003	O					0.00
196.917	0.00	0.00	0.003	O					0.00
197.000	0.00	0.00	0.003	O					0.00
197.083	0.00	0.00	0.003	O					0.00
197.167	0.00	0.00	0.003	O					0.00
197.250	0.00	0.00	0.003	O					0.00
197.333	0.00	0.00	0.003	O					0.00
197.417	0.00	0.00	0.003	O					0.00
197.500	0.00	0.00	0.003	O					0.00
197.583	0.00	0.00	0.003	O					0.00
197.667	0.00	0.00	0.003	O					0.00
197.750	0.00	0.00	0.003	O					0.00
197.833	0.00	0.00	0.003	O					0.00
197.917	0.00	0.00	0.003	O					0.00
198.000	0.00	0.00	0.003	O					0.00
198.083	0.00	0.00	0.003	O					0.00
198.167	0.00	0.00	0.003	O					0.00
198.250	0.00	0.00	0.003	O					0.00
198.333	0.00	0.00	0.003	O					0.00
198.417	0.00	0.00	0.003	O					0.00
198.500	0.00	0.00	0.003	O					0.00
198.583	0.00	0.00	0.003	O					0.00
198.667	0.00	0.00	0.003	O					0.00
198.750	0.00	0.00	0.003	O					0.00
198.833	0.00	0.00	0.003	O					0.00
198.917	0.00	0.00	0.003	O					0.00
199.000	0.00	0.00	0.003	O					0.00
199.083	0.00	0.00	0.003	O					0.00
199.167	0.00	0.00	0.003	O					0.00
199.250	0.00	0.00	0.003	O					0.00
199.333	0.00	0.00	0.003	O					0.00
199.417	0.00	0.00	0.003	O					0.00
199.500	0.00	0.00	0.003	O					0.00
199.583	0.00	0.00	0.003	O					0.00
199.667	0.00	0.00	0.003	O					0.00
199.750	0.00	0.00	0.003	O					0.00
199.833	0.00	0.00	0.003	O					0.00
199.917	0.00	0.00	0.003	O					0.00
200.000	0.00	0.00	0.003	O					0.00
200.083	0.00	0.00	0.003	O					0.00
200.167	0.00	0.00	0.003	O					0.00
200.250	0.00	0.00	0.003	O					0.00
200.333	0.00	0.00	0.003	O					0.00
200.417	0.00	0.00	0.003	O					0.00
200.500	0.00	0.00	0.003	O					0.00
200.583	0.00	0.00	0.003	O					0.00
200.667	0.00	0.00	0.003	O					0.00
200.750	0.00	0.00	0.003	O					0.00
200.833	0.00	0.00	0.003	O					0.00
200.917	0.00	0.00	0.003	O					0.00
201.000	0.00	0.00	0.003	O					0.00
201.083	0.00	0.00	0.003	O					0.00
201.167	0.00	0.00	0.003	O					0.00
201.250	0.00	0.00	0.003	O					0.00
201.333	0.00	0.00	0.003	O					0.00
201.417	0.00	0.00	0.003	O					0.00

201.500	0.00	0.00	0.003	O	|	|	|	0.00
201.583	0.00	0.00	0.003	O	|	|	|	0.00
201.667	0.00	0.00	0.003	O	|	|	|	0.00
201.750	0.00	0.00	0.003	O	|	|	|	0.00
201.833	0.00	0.00	0.003	O	|	|	|	0.00
201.917	0.00	0.00	0.003	O	|	|	|	0.00
202.000	0.00	0.00	0.003	O	|	|	|	0.00
202.083	0.00	0.00	0.003	O	|	|	|	0.00
202.167	0.00	0.00	0.003	O	|	|	|	0.00
202.250	0.00	0.00	0.003	O	|	|	|	0.00
202.333	0.00	0.00	0.003	O	|	|	|	0.00
202.417	0.00	0.00	0.003	O	|	|	|	0.00
202.500	0.00	0.00	0.003	O	|	|	|	0.00
202.583	0.00	0.00	0.003	O	|	|	|	0.00
202.667	0.00	0.00	0.003	O	|	|	|	0.00
202.750	0.00	0.00	0.003	O	|	|	|	0.00
202.833	0.00	0.00	0.003	O	|	|	|	0.00
202.917	0.00	0.00	0.003	O	|	|	|	0.00
203.000	0.00	0.00	0.003	O	|	|	|	0.00
203.083	0.00	0.00	0.003	O	|	|	|	0.00
203.167	0.00	0.00	0.003	O	|	|	|	0.00
203.250	0.00	0.00	0.002	O	|	|	|	0.00
203.333	0.00	0.00	0.002	O	|	|	|	0.00
203.417	0.00	0.00	0.002	O	|	|	|	0.00
203.500	0.00	0.00	0.002	O	|	|	|	0.00
203.583	0.00	0.00	0.002	O	|	|	|	0.00
203.667	0.00	0.00	0.002	O	|	|	|	0.00
203.750	0.00	0.00	0.002	O	|	|	|	0.00
203.833	0.00	0.00	0.002	O	|	|	|	0.00
203.917	0.00	0.00	0.002	O	|	|	|	0.00
204.000	0.00	0.00	0.002	O	|	|	|	0.00
204.083	0.00	0.00	0.002	O	|	|	|	0.00
204.167	0.00	0.00	0.002	O	|	|	|	0.00
204.250	0.00	0.00	0.002	O	|	|	|	0.00
204.333	0.00	0.00	0.002	O	|	|	|	0.00
204.417	0.00	0.00	0.002	O	|	|	|	0.00
204.500	0.00	0.00	0.002	O	|	|	|	0.00
204.583	0.00	0.00	0.002	O	|	|	|	0.00
204.667	0.00	0.00	0.002	O	|	|	|	0.00
204.750	0.00	0.00	0.002	O	|	|	|	0.00
204.833	0.00	0.00	0.002	O	|	|	|	0.00
204.917	0.00	0.00	0.002	O	|	|	|	0.00
205.000	0.00	0.00	0.002	O	|	|	|	0.00
205.083	0.00	0.00	0.002	O	|	|	|	0.00
205.167	0.00	0.00	0.002	O	|	|	|	0.00
205.250	0.00	0.00	0.002	O	|	|	|	0.00
205.333	0.00	0.00	0.002	O	|	|	|	0.00
205.417	0.00	0.00	0.002	O	|	|	|	0.00
205.500	0.00	0.00	0.002	O	|	|	|	0.00
205.583	0.00	0.00	0.002	O	|	|	|	0.00
205.667	0.00	0.00	0.002	O	|	|	|	0.00
205.750	0.00	0.00	0.002	O	|	|	|	0.00
205.833	0.00	0.00	0.002	O	|	|	|	0.00
205.917	0.00	0.00	0.002	O	|	|	|	0.00
206.000	0.00	0.00	0.002	O	|	|	|	0.00
206.083	0.00	0.00	0.002	O	|	|	|	0.00
206.167	0.00	0.00	0.002	O	|	|	|	0.00
206.250	0.00	0.00	0.002	O	|	|	|	0.00
206.333	0.00	0.00	0.002	O	|	|	|	0.00
206.417	0.00	0.00	0.002	O	|	|	|	0.00
206.500	0.00	0.00	0.002	O	|	|	|	0.00
206.583	0.00	0.00	0.002	O	|	|	|	0.00
206.667	0.00	0.00	0.002	O	|	|	|	0.00
206.750	0.00	0.00	0.002	O	|	|	|	0.00
206.833	0.00	0.00	0.002	O	|	|	|	0.00
206.917	0.00	0.00	0.002	O	|	|	|	0.00
207.000	0.00	0.00	0.002	O	|	|	|	0.00

207.083	0.00	0.00	0.002	O	|	|	|	|	0.00
207.167	0.00	0.00	0.002	O	|	|	|	|	0.00
207.250	0.00	0.00	0.002	O	|	|	|	|	0.00
207.333	0.00	0.00	0.002	O	|	|	|	|	0.00
207.417	0.00	0.00	0.002	O	|	|	|	|	0.00
207.500	0.00	0.00	0.002	O	|	|	|	|	0.00
207.583	0.00	0.00	0.002	O	|	|	|	|	0.00
207.667	0.00	0.00	0.002	O	|	|	|	|	0.00
207.750	0.00	0.00	0.002	O	|	|	|	|	0.00
207.833	0.00	0.00	0.002	O	|	|	|	|	0.00
207.917	0.00	0.00	0.002	O	|	|	|	|	0.00
208.000	0.00	0.00	0.002	O	|	|	|	|	0.00
208.083	0.00	0.00	0.002	O	|	|	|	|	0.00
208.167	0.00	0.00	0.002	O	|	|	|	|	0.00
208.250	0.00	0.00	0.002	O	|	|	|	|	0.00
208.333	0.00	0.00	0.002	O	|	|	|	|	0.00
208.417	0.00	0.00	0.002	O	|	|	|	|	0.00
208.500	0.00	0.00	0.002	O	|	|	|	|	0.00
208.583	0.00	0.00	0.002	O	|	|	|	|	0.00
208.667	0.00	0.00	0.002	O	|	|	|	|	0.00
208.750	0.00	0.00	0.002	O	|	|	|	|	0.00
208.833	0.00	0.00	0.002	O	|	|	|	|	0.00
208.917	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 2507
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 13.487 (CFS)
Total volume = 8.641 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

BASIN J

OVERALL UNIT HYDROGRAPH

TO NODE 508.1 ADJACENT TO BASIN J

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/21/21 File: RVUHH110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN J- PROPOSED UNIT HYDROGRAPH
10YR-1HR STORM

Drainage Area = 211.80(Ac.) = 0.331 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 211.80(Ac.) = 0.331 Sq. Mi.
Length along longest watercourse = 5201.00(Ft.)
Length along longest watercourse measured to centroid = 3594.40(Ft.)
Length along longest watercourse = 0.985 Mi.
Length along longest watercourse measured to centroid = 0.681 Mi.
Difference in elevation = 596.00(Ft.)
Slope along watercourse = 605.0529 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.092 Hr.
Lag time = 5.49 Min.
25% of lag time = 1.37 Min.
40% of lag time = 2.20 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	0.55	116.49

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	1.30	275.34

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 0.859(In)
Areal adjustment factor = 99.81 %
Adjusted average point rain = 0.857(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
211.800	70.00	0.567

Total Area Entered = 211.80(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
     70.0  70.0      0.362     0.567        0.177       1.000      0.177
                                                        Sum (F) =   0.177
     Area averaged mean soil loss (F) (In/Hr) =  0.092
     Minimum soil loss rate ((In/Hr)) =  0.046
     (for 24 hour storm duration)
     Note: User entry of the f value
     Soil low loss rate (decimal) =   0.446
     ------------------------------------------------------------------------
     Slope of intensity-duration curve for a 1 hour storm =0.5500
     ------------------------------------------------------------------------

                 U n i t  H y d r o g r a p h
                        VALLEY S-Curve
     ------------------------------------------------------------------------
                 Unit Hydrograph Data
     ------------------------------------------------------------------------
     Unit time period   Time % of lag   Distribution   Unit Hydrograph
         (hrs)                           Graph %           (CFS)
     ------------------------------------------------------------------------
         1   0.083         90.993         16.472            35.161
         2   0.167        181.986         47.272           100.905
         3   0.250        272.979         17.216            36.747
         4   0.333        363.972          7.583            16.186
         5   0.417        454.965          4.374             9.337
         6   0.500        545.958          2.804             5.985
         7   0.583        636.951          1.895             4.045
         8   0.667        727.944          1.205             2.572
         9   0.750        818.937          1.179             2.517
                                  Sum = 100.000   Sum=     213.455
-------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
   1   0.08     3.30      0.339          0.092    (  0.151)        0.248
   2   0.17     4.20      0.432          0.092    (  0.193)        0.340
   3   0.25     4.40      0.452          0.092    (  0.202)        0.361
   4   0.33     4.80      0.494          0.092    (  0.220)        0.402
   5   0.42     5.20      0.535          0.092    (  0.239)        0.443
   6   0.50     6.20      0.638          0.092    (  0.285)        0.546
   7   0.58     6.80      0.699          0.092    (  0.312)        0.608
   8   0.67     8.80      0.905          0.092    (  0.404)        0.813
   9   0.75    13.90      1.429          0.092    (  0.638)        1.338
  10   0.83    31.40      3.229          0.092    (  1.441)        3.137
  11   0.92     7.20      0.740          0.092    (  0.331)        0.649
  12   1.00     3.80      0.391          0.092    (  0.174)        0.299
            (Loss Rate Not Used)
     Sum =     100.0                                  Sum =     9.2
       Flood volume = Effective rainfall      0.77(In)
        times area     211.8(Ac.)/[(In)/(Ft.)] =      13.5(Ac.Ft)
       Total soil loss =      0.09(In)
       Total soil loss =     1.616(Ac.Ft)
       Total rainfall =      0.86(In)
       Flood volume =      588415.0 Cubic Feet
       Total soil loss =       70405.1 Cubic Feet
       ---------------------------------------------------------------------
        Peak flow rate of this hydrograph =    414.591(CFS)
       ---------------------------------------------------------------------
       +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          1 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
       ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))
```

```
    ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0      125.0     250.0     375.0     500.0
 ---------------------------------------------------------------------
   0+ 5       0.0600      8.72  Q         |         |         |         |
   0+10       0.3147     36.98  V Q       |         |         |         |
   0+15       0.7015     56.16  | V Q     |         |         |         |
   0+20       1.1636     67.10  |  V Q    |         |         |         |
   0+25       1.6958     77.27  |    VQ   |         |         |         |
   0+30       2.3103     89.23  |     VQ  |         |         |         |
   0+35       3.0384    105.71  |       Q |         |         |         |
   0+40       3.9002    125.14  |         QV        |         |         |
   0+45       5.0701    169.86  |         |  Q V    |         |         |
   0+50       7.1109    296.33  |         |         |V Q      |         |
   0+55       9.9662    414.59  |         |         |        V|  Q      |
   1+ 0      11.5408    228.63  |         |       Q |         |   V     |
   1+ 5      12.4169    127.21  |         Q         |         |     V   |
   1+10      12.8649     65.05  |    Q    |         |         |       V |
   1+15      13.1317     38.73  |  Q      |         |         |       V |
   1+20      13.3029     24.87  |Q        |         |         |        V|
   1+25      13.4122     15.86  |Q        |         |         |        V|
   1+30      13.4864     10.78  Q         |         |         |        V|
   1+35      13.5030      2.40  Q         |         |         |        V|
   1+40      13.5081      0.75  Q         |         |         |         V
---------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/21/21 File: RVUHH310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN J- PROPOSED UNIT HYDROGRAPH
10YR-3HR STORM

Drainage Area = 211.80(Ac.) = 0.331 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 211.80(Ac.) = 0.331 Sq. Mi.
Length along longest watercourse = 5201.00(Ft.)
Length along longest watercourse measured to centroid = 3594.40(Ft.)
Length along longest watercourse = 0.985 Mi.
Length along longest watercourse measured to centroid = 0.681 Mi.
Difference in elevation = 596.00(Ft.)
Slope along watercourse = 605.0529 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.092 Hr.
Lag time = 5.49 Min.
25% of lag time = 1.37 Min.
40% of lag time = 2.20 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	1.10	232.98

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	2.00	423.60

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 1.470(In)
Areal adjustment factor = 99.91 %
Adjusted average point rain = 1.469(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
211.800	70.00	0.567

Total Area Entered = 211.80(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      70.0  70.0      0.362     0.567        0.177       1.000      0.177
                                                        Sum (F) =   0.177
      Area averaged mean soil loss (F) (In/Hr) =  0.092
      Minimum soil loss rate ((In/Hr)) =  0.046
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.446
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
              1   0.083         90.993         16.472             35.161
              2   0.167        181.986         47.272            100.905
              3   0.250        272.979         17.216             36.747
              4   0.333        363.972          7.583             16.186
              5   0.417        454.965          4.374              9.337
              6   0.500        545.958          2.804              5.985
              7   0.583        636.951          1.895              4.045
              8   0.667        727.944          1.205              2.572
              9   0.750        818.937          1.179              2.517
                                      Sum = 100.000   Sum=     213.455
    ------------------------------------------------------------------------


     The following loss rate calculations reflect use of the minimum calculated loss
     rate subtracted from the Storm Rain to produce the maximum Effective Rain value

      Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
           (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
       1   0.08     1.30      0.229          0.092    (  0.102)        0.138
       2   0.17     1.30      0.229          0.092    (  0.102)        0.138
       3   0.25     1.10      0.194        (  0.092)       0.087        0.107
       4   0.33     1.50      0.264          0.092    (  0.118)        0.173
       5   0.42     1.50      0.264          0.092    (  0.118)        0.173
       6   0.50     1.80      0.317          0.092    (  0.142)        0.226
       7   0.58     1.50      0.264          0.092    (  0.118)        0.173
       8   0.67     1.80      0.317          0.092    (  0.142)        0.226
       9   0.75     1.80      0.317          0.092    (  0.142)        0.226
      10   0.83     1.50      0.264          0.092    (  0.118)        0.173
      11   0.92     1.60      0.282          0.092    (  0.126)        0.190
      12   1.00     1.80      0.317          0.092    (  0.142)        0.226
      13   1.08     2.20      0.388          0.092    (  0.173)        0.296
      14   1.17     2.20      0.388          0.092    (  0.173)        0.296
      15   1.25     2.20      0.388          0.092    (  0.173)        0.296
      16   1.33     2.00      0.353          0.092    (  0.157)        0.261
      17   1.42     2.60      0.458          0.092    (  0.205)        0.367
      18   1.50     2.70      0.476          0.092    (  0.212)        0.384
      19   1.58     2.40      0.423          0.092    (  0.189)        0.331
      20   1.67     2.70      0.476          0.092    (  0.212)        0.384
      21   1.75     3.30      0.582          0.092    (  0.260)        0.490
      22   1.83     3.10      0.546          0.092    (  0.244)        0.455
      23   1.92     2.90      0.511          0.092    (  0.228)        0.420
      24   2.00     3.00      0.529          0.092    (  0.236)        0.437
      25   2.08     3.10      0.546          0.092    (  0.244)        0.455
      26   2.17     4.20      0.740          0.092    (  0.330)        0.649
      27   2.25     5.00      0.881          0.092    (  0.393)        0.790
      28   2.33     3.50      0.617          0.092    (  0.275)        0.525
      29   2.42     6.80      1.199          0.092    (  0.535)        1.107
      30   2.50     7.30      1.287          0.092    (  0.574)        1.195
      31   2.58     8.20      1.445          0.092    (  0.645)        1.354
      32   2.67     5.90      1.040          0.092    (  0.464)        0.948
```

```
33   2.75     2.00      0.353          0.092    (  0.157)        0.261
34   2.83     1.80      0.317          0.092    (  0.142)        0.226
35   2.92     1.80      0.317          0.092    (  0.142)        0.226
36   3.00     0.60      0.106       (  0.092)       0.047        0.059
           (Loss Rate Not Used)
   Sum =     100.0                                   Sum =    14.4
     Flood volume = Effective rainfall      1.20(In)
      times area     211.8(Ac.)/[(In)/(Ft.)] =      21.1(Ac.Ft)
     Total soil loss =      0.27(In)
     Total soil loss =     4.776(Ac.Ft)
     Total rainfall =      1.47(In)
     Flood volume =      921292.5 Cubic Feet
     Total soil loss =      208051.6 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =    246.447(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         3 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0       75.0     150.0     225.0     300.0
-------------------------------------------------------------------------
  0+ 5       0.0333      4.84  Q         |         |         |         |
  0+10       0.1623     18.73  V Q       |         |         |         |
  0+15       0.3188     22.72  V  Q      |         |         |         |
  0+20       0.4855     24.20  V  Q      |         |         |         |
  0+25       0.6989     30.99  |V  Q     |         |         |         |
  0+30       0.9440     35.59  |V  Q     |         |         |         |
  0+35       1.2223     40.40  | V  Q    |         |         |         |
  0+40       1.4954     39.65  | V  Q    |         |         |         |
  0+45       1.8020     44.52  |  V Q    |         |         |         |
  0+50       2.1080     44.43  |  V Q    |         |         |         |
  0+55       2.3868     40.48  |   VQ    |         |         |         |
  1+ 0       2.6768     42.11  |    Q    |         |         |         |
  1+ 5       3.0087     48.18  |    VQ   |         |         |         |
  1+10       3.3985     56.60  |     VQ  |         |         |         |
  1+15       3.8091     59.62  |      Q  |         |         |         |
  1+20       4.2214     59.87  |      Q  |         |         |         |
  1+25       4.6404     60.84  |       Q |         |         |         |
  1+30       5.1316     71.32  |        Q|         |         |         |
  1+35       5.6479     74.97  |        QV         |         |         |
  1+40       6.1562     73.80  |        Q|V        |         |         |
  1+45       6.7219     82.15  |         Q V       |         |         |
  1+50       7.3647     93.33  |         | QV      |         |         |
  1+55       8.0068     93.23  |         | Q  V    |         |         |
  2+ 0       8.6344     91.14  |         | Q   V   |         |         |
  2+ 5       9.2754     93.07  |         | Q    V  |         |         |
  2+10       9.9791    102.17  |         |  Q    V |         |         |
  2+15      10.8574    127.53  |         |      Q  V         |         |
  2+20      11.8223    140.10  |         |       Q | V       |         |
  2+25      12.8037    142.50  |         |       Q |   V     |         |
  2+30      14.1721    198.69  |         |         |     Q   |         |
  2+35      15.7753    232.78  |         |         |        V|Q        |
  2+40      17.4726    246.45  |         |         |         | QV      |
  2+45      18.8056    193.56  |         |         |    Q    |    V    |
  2+50      19.5954    114.67  |         |    Q    |         |      V  |
  2+55      20.1691     83.31  |         |Q        |         |       V |
  3+ 0       20.6054     63.35  |       Q |         |         |       V |
  3+ 5       20.8624     37.32  |   Q     |         |         |        V|
  3+10       20.9989     19.81  | Q       |         |         |        V|
  3+15       21.0768     11.31  |Q        |         |         |        V|
  3+20       21.1172      5.87  Q         |         |         |        V|
  3+25       21.1344      2.50  Q         |         |         |        V|
  3+30       21.1440      1.39  Q         |         |         |        V|
```

```
   3+35      21.1489      0.72  Q         |         |         |        V|
   3+40      21.1500      0.15  Q         |         |         |         V
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/21/21 File: RVUHH610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN J- PROPOSED UNIT HYDROGRAPH
10YR-6HR STORM

Drainage Area = 211.80(Ac.) = 0.331 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 211.80(Ac.) = 0.331 Sq. Mi.
Length along longest watercourse = 5201.00(Ft.)
Length along longest watercourse measured to centroid = 3594.40(Ft.)
Length along longest watercourse = 0.985 Mi.
Length along longest watercourse measured to centroid = 0.681 Mi.
Difference in elevation = 596.00(Ft.)
Slope along watercourse = 605.0529 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.092 Hr.
Lag time = 5.49 Min.
25% of lag time = 1.37 Min.
40% of lag time = 2.20 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	1.60	338.88

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	3.00	635.40

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 2.176(In)
Areal adjustment factor = 99.93 %
Adjusted average point rain = 2.174(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
211.800	70.00	0.567

Total Area Entered = 211.80(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
70.0	70.0	0.362	0.567	0.177	1.000	0.177
					Sum (F) =	0.177

Area averaged mean soil loss (F) (In/Hr) = 0.092
Minimum soil loss rate ((In/Hr)) = 0.046
(for 24 hour storm duration)
Note: User entry of the f value
Soil low loss rate (decimal) = 0.446

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	90.993	16.472	35.161
2	0.167	181.986	47.272	100.905
3	0.250	272.979	17.216	36.747
4	0.333	363.972	7.583	16.186
5	0.417	454.965	4.374	9.337
6	0.500	545.958	2.804	5.985
7	0.583	636.951	1.895	4.045
8	0.667	727.944	1.205	2.572
9	0.750	818.937	1.179	2.517
			Sum = 100.000	Sum= 213.455

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.50	0.130	(0.092)		0.058	0.072
2	0.17	0.60	0.157	(0.092)		0.070	0.087
3	0.25	0.60	0.157	(0.092)		0.070	0.087
4	0.33	0.60	0.157	(0.092)		0.070	0.087
5	0.42	0.60	0.157	(0.092)		0.070	0.087
6	0.50	0.70	0.183	(0.092)		0.082	0.101
7	0.58	0.70	0.183	(0.092)		0.082	0.101
8	0.67	0.70	0.183	(0.092)		0.082	0.101
9	0.75	0.70	0.183	(0.092)		0.082	0.101
10	0.83	0.70	0.183	(0.092)		0.082	0.101
11	0.92	0.70	0.183	(0.092)		0.082	0.101
12	1.00	0.80	0.209	0.092	(	0.093)	0.117
13	1.08	0.80	0.209	0.092	(	0.093)	0.117
14	1.17	0.80	0.209	0.092	(	0.093)	0.117
15	1.25	0.80	0.209	0.092	(	0.093)	0.117
16	1.33	0.80	0.209	0.092	(	0.093)	0.117
17	1.42	0.80	0.209	0.092	(	0.093)	0.117
18	1.50	0.80	0.209	0.092	(	0.093)	0.117
19	1.58	0.80	0.209	0.092	(	0.093)	0.117
20	1.67	0.80	0.209	0.092	(	0.093)	0.117
21	1.75	0.80	0.209	0.092	(	0.093)	0.117
22	1.83	0.80	0.209	0.092	(	0.093)	0.117
23	1.92	0.80	0.209	0.092	(	0.093)	0.117
24	2.00	0.90	0.235	0.092	(	0.105)	0.143
25	2.08	0.80	0.209	0.092	(	0.093)	0.117
26	2.17	0.90	0.235	0.092	(	0.105)	0.143
27	2.25	0.90	0.235	0.092	(	0.105)	0.143
28	2.33	0.90	0.235	0.092	(	0.105)	0.143
29	2.42	0.90	0.235	0.092	(	0.105)	0.143
30	2.50	0.90	0.235	0.092	(	0.105)	0.143
31	2.58	0.90	0.235	0.092	(	0.105)	0.143
32	2.67	0.90	0.235	0.092	(	0.105)	0.143
33	2.75	1.00	0.261	0.092	(	0.116)	0.169
34	2.83	1.00	0.261	0.092	(	0.116)	0.169
35	2.92	1.00	0.261	0.092	(	0.116)	0.169
36	3.00	1.00	0.261	0.092	(	0.116)	0.169

37	3.08	1.00	0.261	0.092	(0.116)	0.169
38	3.17	1.10	0.287	0.092	(0.128)	0.195
39	3.25	1.10	0.287	0.092	(0.128)	0.195
40	3.33	1.10	0.287	0.092	(0.128)	0.195
41	3.42	1.20	0.313	0.092	(0.140)	0.222
42	3.50	1.30	0.339	0.092	(0.151)	0.248
43	3.58	1.40	0.365	0.092	(0.163)	0.274
44	3.67	1.40	0.365	0.092	(0.163)	0.274
45	3.75	1.50	0.391	0.092	(0.175)	0.300
46	3.83	1.50	0.391	0.092	(0.175)	0.300
47	3.92	1.60	0.417	0.092	(0.186)	0.326
48	4.00	1.60	0.417	0.092	(0.186)	0.326
49	4.08	1.70	0.444	0.092	(0.198)	0.352
50	4.17	1.80	0.470	0.092	(0.210)	0.378
51	4.25	1.90	0.496	0.092	(0.221)	0.404
52	4.33	2.00	0.522	0.092	(0.233)	0.430
53	4.42	2.10	0.548	0.092	(0.245)	0.456
54	4.50	2.10	0.548	0.092	(0.245)	0.456
55	4.58	2.20	0.574	0.092	(0.256)	0.482
56	4.67	2.30	0.600	0.092	(0.268)	0.509
57	4.75	2.40	0.626	0.092	(0.280)	0.535
58	4.83	2.40	0.626	0.092	(0.280)	0.535
59	4.92	2.50	0.652	0.092	(0.291)	0.561
60	5.00	2.60	0.678	0.092	(0.303)	0.587
61	5.08	3.10	0.809	0.092	(0.361)	0.717
62	5.17	3.60	0.939	0.092	(0.419)	0.848
63	5.25	3.90	1.018	0.092	(0.454)	0.926
64	5.33	4.20	1.096	0.092	(0.489)	1.004
65	5.42	4.70	1.226	0.092	(0.547)	1.135
66	5.50	5.60	1.461	0.092	(0.652)	1.370
67	5.58	1.90	0.496	0.092	(0.221)	0.404
68	5.67	0.90	0.235	0.092	(0.105)	0.143
69	5.75	0.60	0.157	(0.092)	0.070	0.087
70	5.83	0.50	0.130	(0.092)	0.058	0.072
71	5.92	0.30	0.078	(0.092)	0.035	0.043
72	6.00	0.20	0.052	(0.092)	0.023	0.029

(Loss Rate Not Used)

Sum = 100.0 Sum = 19.9

Flood volume = Effective rainfall 1.65(In)
times area 211.8(Ac.)/[(In)/(Ft.)] = 29.2(Ac.Ft)
Total soil loss = 0.52(In)
Total soil loss = 9.168(Ac.Ft)
Total rainfall = 2.17(In)
Flood volume = 1272393.2 Cubic Feet
Total soil loss = 399349.5 Cubic Feet

Peak flow rate of this hydrograph = 232.046(CFS)

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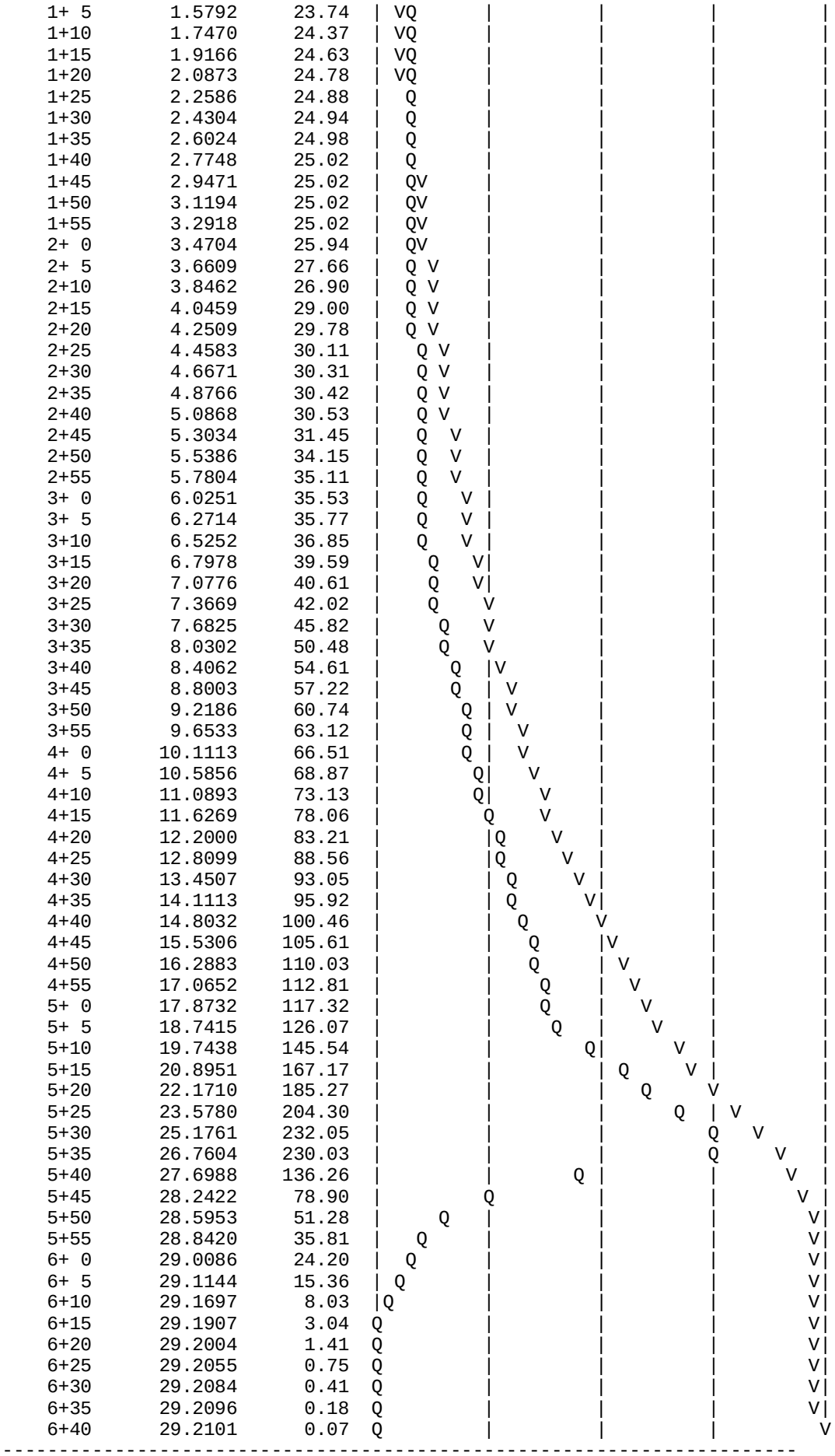
6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	75.0	150.0	225.0	300.0
0+ 5	0.0175	2.54	Q				
0+10	0.0887	10.34	VQ				
0+15	0.1883	14.45	VQ				
0+20	0.2995	16.15	V Q				
0+25	0.4170	17.06	V Q				
0+30	0.5420	18.14	V Q				
0+35	0.6795	19.98	V Q				
0+40	0.8225	20.75	|VQ				
0+45	0.9685	21.20	|VQ				
0+50	1.1157	21.38	|VQ				
0+55	1.2635	21.46	|VQ				
1+ 0	1.4156	22.09	|VQ				


1+ 5 1.5792 23.74
1+10 1.7470 24.37
1+15 1.9166 24.63
1+20 2.0873 24.78
1+25 2.2586 24.88
1+30 2.4304 24.94
1+35 2.6024 24.98
1+40 2.7748 25.02
1+45 2.9471 25.02
1+50 3.1194 25.02
1+55 3.2918 25.02
2+ 0 3.4704 25.94
2+ 5 3.6609 27.66
2+10 3.8462 26.90
2+15 4.0459 29.00
2+20 4.2509 29.78
2+25 4.4583 30.11
2+30 4.6671 30.31
2+35 4.8766 30.42
2+40 5.0868 30.53
2+45 5.3034 31.45
2+50 5.5386 34.15
2+55 5.7804 35.11
3+ 0 6.0251 35.53
3+ 5 6.2714 35.77
3+10 6.5252 36.85
3+15 6.7978 39.59
3+20 7.0776 40.61
3+25 7.3669 42.02
3+30 7.6825 45.82
3+35 8.0302 50.48
3+40 8.4062 54.61
3+45 8.8003 57.22
3+50 9.2186 60.74
3+55 9.6533 63.12
4+ 0 10.1113 66.51
4+ 5 10.5856 68.87
4+10 11.0893 73.13
4+15 11.6269 78.06
4+20 12.2000 83.21
4+25 12.8099 88.56
4+30 13.4507 93.05
4+35 14.1113 95.92
4+40 14.8032 100.46
4+45 15.5306 105.61
4+50 16.2883 110.03
4+55 17.0652 112.81
5+ 0 17.8732 117.32
5+ 5 18.7415 126.07
5+10 19.7438 145.54
5+15 20.8951 167.17
5+20 22.1710 185.27
5+25 23.5780 204.30
5+30 25.1761 232.05
5+35 26.7604 230.03
5+40 27.6988 136.26
5+45 28.2422 78.90
5+50 28.5953 51.28
5+55 28.8420 35.81
6+ 0 29.0086 24.20
6+ 5 29.1144 15.36
6+10 29.1697 8.03
6+15 29.1907 3.04
6+20 29.2004 1.41
6+25 29.2055 0.75
6+30 29.2084 0.41
6+35 29.2096 0.18
6+40 29.2101 0.07

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/21/21 File: RVUHH2410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN J- PROPOSED UNIT HYDROGRAPH
10YR-24HR STORM

Drainage Area = 211.80(Ac.) = 0.331 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 211.80(Ac.) = 0.331 Sq. Mi.
Length along longest watercourse = 5201.00(Ft.)
Length along longest watercourse measured to centroid = 3594.40(Ft.)
Length along longest watercourse = 0.985 Mi.
Length along longest watercourse measured to centroid = 0.681 Mi.
Difference in elevation = 596.00(Ft.)
Slope along watercourse = 605.0529 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.092 Hr.
Lag time = 5.49 Min.
25% of lag time = 1.37 Min.
40% of lag time = 2.20 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	2.70	571.86

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	7.00	1482.60

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 4.469(In)
Areal adjustment factor = 99.96 %
Adjusted average point rain = 4.467(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
211.800	70.00	0.567

Total Area Entered = 211.80(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      70.0  70.0      0.362     0.567        0.177       1.000      0.177
                                                        Sum (F) =   0.177
      Area averaged mean soil loss (F) (In/Hr) =  0.092
      Minimum soil loss rate ((In/Hr)) =  0.046
      (for 24 hour storm duration)
      Note: User entry of the f value
      Soil low loss rate (decimal) =   0.446
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083         90.993         16.472             35.161
          2   0.167        181.986         47.272            100.905
          3   0.250        272.979         17.216             36.747
          4   0.333        363.972          7.583             16.186
          5   0.417        454.965          4.374              9.337
          6   0.500        545.958          2.804              5.985
          7   0.583        636.951          1.895              4.045
          8   0.667        727.944          1.205              2.572
          9   0.750        818.937          1.179              2.517
                                   Sum = 100.000   Sum=     213.455
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.036	(0.162)	0.016	0.020
2	0.17	0.07	0.036	(0.162)	0.016	0.020
3	0.25	0.07	0.036	(0.161)	0.016	0.020
4	0.33	0.10	0.054	(0.160)	0.024	0.030
5	0.42	0.10	0.054	(0.160)	0.024	0.030
6	0.50	0.10	0.054	(0.159)	0.024	0.030
7	0.58	0.10	0.054	(0.159)	0.024	0.030
8	0.67	0.10	0.054	(0.158)	0.024	0.030
9	0.75	0.10	0.054	(0.157)	0.024	0.030
10	0.83	0.13	0.071	(0.157)	0.032	0.040
11	0.92	0.13	0.071	(0.156)	0.032	0.040
12	1.00	0.13	0.071	(0.155)	0.032	0.040
13	1.08	0.10	0.054	(0.155)	0.024	0.030
14	1.17	0.10	0.054	(0.154)	0.024	0.030
15	1.25	0.10	0.054	(0.154)	0.024	0.030
16	1.33	0.10	0.054	(0.153)	0.024	0.030
17	1.42	0.10	0.054	(0.152)	0.024	0.030
18	1.50	0.10	0.054	(0.152)	0.024	0.030
19	1.58	0.10	0.054	(0.151)	0.024	0.030
20	1.67	0.10	0.054	(0.151)	0.024	0.030
21	1.75	0.10	0.054	(0.150)	0.024	0.030
22	1.83	0.13	0.071	(0.149)	0.032	0.040
23	1.92	0.13	0.071	(0.149)	0.032	0.040
24	2.00	0.13	0.071	(0.148)	0.032	0.040
25	2.08	0.13	0.071	(0.148)	0.032	0.040
26	2.17	0.13	0.071	(0.147)	0.032	0.040
27	2.25	0.13	0.071	(0.146)	0.032	0.040
28	2.33	0.13	0.071	(0.146)	0.032	0.040
29	2.42	0.13	0.071	(0.145)	0.032	0.040
30	2.50	0.13	0.071	(0.145)	0.032	0.040
31	2.58	0.17	0.089	(0.144)	0.040	0.049
32	2.67	0.17	0.089	(0.143)	0.040	0.049

33	2.75	0.17	0.089	(0.143)	0.040	0.049
34	2.83	0.17	0.089	(0.142)	0.040	0.049
35	2.92	0.17	0.089	(0.142)	0.040	0.049
36	3.00	0.17	0.089	(0.141)	0.040	0.049
37	3.08	0.17	0.089	(0.141)	0.040	0.049
38	3.17	0.17	0.089	(0.140)	0.040	0.049
39	3.25	0.17	0.089	(0.139)	0.040	0.049
40	3.33	0.17	0.089	(0.139)	0.040	0.049
41	3.42	0.17	0.089	(0.138)	0.040	0.049
42	3.50	0.17	0.089	(0.138)	0.040	0.049
43	3.58	0.17	0.089	(0.137)	0.040	0.049
44	3.67	0.17	0.089	(0.136)	0.040	0.049
45	3.75	0.17	0.089	(0.136)	0.040	0.049
46	3.83	0.20	0.107	(0.135)	0.048	0.059
47	3.92	0.20	0.107	(0.135)	0.048	0.059
48	4.00	0.20	0.107	(0.134)	0.048	0.059
49	4.08	0.20	0.107	(0.134)	0.048	0.059
50	4.17	0.20	0.107	(0.133)	0.048	0.059
51	4.25	0.20	0.107	(0.132)	0.048	0.059
52	4.33	0.23	0.125	(0.132)	0.056	0.069
53	4.42	0.23	0.125	(0.131)	0.056	0.069
54	4.50	0.23	0.125	(0.131)	0.056	0.069
55	4.58	0.23	0.125	(0.130)	0.056	0.069
56	4.67	0.23	0.125	(0.130)	0.056	0.069
57	4.75	0.23	0.125	(0.129)	0.056	0.069
58	4.83	0.27	0.143	(0.129)	0.064	0.079
59	4.92	0.27	0.143	(0.128)	0.064	0.079
60	5.00	0.27	0.143	(0.127)	0.064	0.079
61	5.08	0.20	0.107	(0.127)	0.048	0.059
62	5.17	0.20	0.107	(0.126)	0.048	0.059
63	5.25	0.20	0.107	(0.126)	0.048	0.059
64	5.33	0.23	0.125	(0.125)	0.056	0.069
65	5.42	0.23	0.125	(0.125)	0.056	0.069
66	5.50	0.23	0.125	(0.124)	0.056	0.069
67	5.58	0.27	0.143	(0.124)	0.064	0.079
68	5.67	0.27	0.143	(0.123)	0.064	0.079
69	5.75	0.27	0.143	(0.122)	0.064	0.079
70	5.83	0.27	0.143	(0.122)	0.064	0.079
71	5.92	0.27	0.143	(0.121)	0.064	0.079
72	6.00	0.27	0.143	(0.121)	0.064	0.079
73	6.08	0.30	0.161	(0.120)	0.072	0.089
74	6.17	0.30	0.161	(0.120)	0.072	0.089
75	6.25	0.30	0.161	(0.119)	0.072	0.089
76	6.33	0.30	0.161	(0.119)	0.072	0.089
77	6.42	0.30	0.161	(0.118)	0.072	0.089
78	6.50	0.30	0.161	(0.118)	0.072	0.089
79	6.58	0.33	0.179	(0.117)	0.080	0.099
80	6.67	0.33	0.179	(0.117)	0.080	0.099
81	6.75	0.33	0.179	(0.116)	0.080	0.099
82	6.83	0.33	0.179	(0.116)	0.080	0.099
83	6.92	0.33	0.179	(0.115)	0.080	0.099
84	7.00	0.33	0.179	(0.115)	0.080	0.099
85	7.08	0.33	0.179	(0.114)	0.080	0.099
86	7.17	0.33	0.179	(0.113)	0.080	0.099
87	7.25	0.33	0.179	(0.113)	0.080	0.099
88	7.33	0.37	0.197	(0.112)	0.088	0.109
89	7.42	0.37	0.197	(0.112)	0.088	0.109
90	7.50	0.37	0.197	(0.111)	0.088	0.109
91	7.58	0.40	0.214	(0.111)	0.096	0.119
92	7.67	0.40	0.214	(0.110)	0.096	0.119
93	7.75	0.40	0.214	(0.110)	0.096	0.119
94	7.83	0.43	0.232	(0.109)	0.104	0.129
95	7.92	0.43	0.232	(0.109)	0.104	0.129
96	8.00	0.43	0.232	(0.108)	0.104	0.129
97	8.08	0.50	0.268	0.108	(0.120)	0.160
98	8.17	0.50	0.268	0.107	(0.120)	0.161
99	8.25	0.50	0.268	0.107	(0.120)	0.161

100	8.33	0.50	0.268	0.106	(0.120)	0.162
101	8.42	0.50	0.268	0.106	(0.120)	0.162
102	8.50	0.50	0.268	0.105	(0.120)	0.163
103	8.58	0.53	0.286	0.105	(0.128)	0.181
104	8.67	0.53	0.286	0.104	(0.128)	0.182
105	8.75	0.53	0.286	0.104	(0.128)	0.182
106	8.83	0.57	0.304	0.103	(0.136)	0.200
107	8.92	0.57	0.304	0.103	(0.136)	0.201
108	9.00	0.57	0.304	0.102	(0.136)	0.201
109	9.08	0.63	0.340	0.102	(0.152)	0.238
110	9.17	0.63	0.340	0.101	(0.152)	0.238
111	9.25	0.63	0.340	0.101	(0.152)	0.239
112	9.33	0.67	0.357	0.100	(0.160)	0.257
113	9.42	0.67	0.357	0.100	(0.160)	0.257
114	9.50	0.67	0.357	0.100	(0.160)	0.258
115	9.58	0.70	0.375	0.099	(0.168)	0.276
116	9.67	0.70	0.375	0.099	(0.168)	0.277
117	9.75	0.70	0.375	0.098	(0.168)	0.277
118	9.83	0.73	0.393	0.098	(0.175)	0.295
119	9.92	0.73	0.393	0.097	(0.175)	0.296
120	10.00	0.73	0.393	0.097	(0.175)	0.296
121	10.08	0.50	0.268	0.096	(0.120)	0.172
122	10.17	0.50	0.268	0.096	(0.120)	0.172
123	10.25	0.50	0.268	0.095	(0.120)	0.173
124	10.33	0.50	0.268	0.095	(0.120)	0.173
125	10.42	0.50	0.268	0.094	(0.120)	0.174
126	10.50	0.50	0.268	0.094	(0.120)	0.174
127	10.58	0.67	0.357	0.093	(0.160)	0.264
128	10.67	0.67	0.357	0.093	(0.160)	0.264
129	10.75	0.67	0.357	0.093	(0.160)	0.265
130	10.83	0.67	0.357	0.092	(0.160)	0.265
131	10.92	0.67	0.357	0.092	(0.160)	0.266
132	11.00	0.67	0.357	0.091	(0.160)	0.266
133	11.08	0.63	0.340	0.091	(0.152)	0.249
134	11.17	0.63	0.340	0.090	(0.152)	0.249
135	11.25	0.63	0.340	0.090	(0.152)	0.250
136	11.33	0.63	0.340	0.089	(0.152)	0.250
137	11.42	0.63	0.340	0.089	(0.152)	0.251
138	11.50	0.63	0.340	0.089	(0.152)	0.251
139	11.58	0.57	0.304	0.088	(0.136)	0.216
140	11.67	0.57	0.304	0.088	(0.136)	0.216
141	11.75	0.57	0.304	0.087	(0.136)	0.217
142	11.83	0.60	0.322	0.087	(0.144)	0.235
143	11.92	0.60	0.322	0.086	(0.144)	0.235
144	12.00	0.60	0.322	0.086	(0.144)	0.236
145	12.08	0.83	0.447	0.085	(0.199)	0.361
146	12.17	0.83	0.447	0.085	(0.199)	0.362
147	12.25	0.83	0.447	0.085	(0.199)	0.362
148	12.33	0.87	0.465	0.084	(0.207)	0.380
149	12.42	0.87	0.465	0.084	(0.207)	0.381
150	12.50	0.87	0.465	0.083	(0.207)	0.381
151	12.58	0.93	0.500	0.083	(0.223)	0.417
152	12.67	0.93	0.500	0.083	(0.223)	0.418
153	12.75	0.93	0.500	0.082	(0.223)	0.418
154	12.83	0.97	0.518	0.082	(0.231)	0.437
155	12.92	0.97	0.518	0.081	(0.231)	0.437
156	13.00	0.97	0.518	0.081	(0.231)	0.437
157	13.08	1.13	0.608	0.080	(0.271)	0.527
158	13.17	1.13	0.608	0.080	(0.271)	0.527
159	13.25	1.13	0.608	0.080	(0.271)	0.528
160	13.33	1.13	0.608	0.079	(0.271)	0.528
161	13.42	1.13	0.608	0.079	(0.271)	0.529
162	13.50	1.13	0.608	0.078	(0.271)	0.529
163	13.58	0.77	0.411	0.078	(0.183)	0.333
164	13.67	0.77	0.411	0.078	(0.183)	0.333
165	13.75	0.77	0.411	0.077	(0.183)	0.334
166	13.83	0.77	0.411	0.077	(0.183)	0.334

167	13.92	0.77	0.411	0.076	(	0.183)	0.335
168	14.00	0.77	0.411	0.076	(	0.183)	0.335
169	14.08	0.90	0.482	0.076	(	0.215)	0.407
170	14.17	0.90	0.482	0.075	(	0.215)	0.407
171	14.25	0.90	0.482	0.075	(	0.215)	0.408
172	14.33	0.87	0.465	0.075	(	0.207)	0.390
173	14.42	0.87	0.465	0.074	(	0.207)	0.390
174	14.50	0.87	0.465	0.074	(	0.207)	0.391
175	14.58	0.87	0.465	0.073	(	0.207)	0.391
176	14.67	0.87	0.465	0.073	(	0.207)	0.392
177	14.75	0.87	0.465	0.073	(	0.207)	0.392
178	14.83	0.83	0.447	0.072	(	0.199)	0.374
179	14.92	0.83	0.447	0.072	(	0.199)	0.375
180	15.00	0.83	0.447	0.072	(	0.199)	0.375
181	15.08	0.80	0.429	0.071	(	0.191)	0.358
182	15.17	0.80	0.429	0.071	(	0.191)	0.358
183	15.25	0.80	0.429	0.070	(	0.191)	0.358
184	15.33	0.77	0.411	0.070	(	0.183)	0.341
185	15.42	0.77	0.411	0.070	(	0.183)	0.341
186	15.50	0.77	0.411	0.069	(	0.183)	0.342
187	15.58	0.63	0.340	0.069	(	0.152)	0.271
188	15.67	0.63	0.340	0.069	(	0.152)	0.271
189	15.75	0.63	0.340	0.068	(	0.152)	0.271
190	15.83	0.63	0.340	0.068	(	0.152)	0.272
191	15.92	0.63	0.340	0.068	(	0.152)	0.272
192	16.00	0.63	0.340	0.067	(	0.152)	0.272
193	16.08	0.13	0.071	(0.067)		0.032	0.040
194	16.17	0.13	0.071	(0.067)		0.032	0.040
195	16.25	0.13	0.071	(0.066)		0.032	0.040
196	16.33	0.13	0.071	(0.066)		0.032	0.040
197	16.42	0.13	0.071	(0.066)		0.032	0.040
198	16.50	0.13	0.071	(0.065)		0.032	0.040
199	16.58	0.10	0.054	(0.065)		0.024	0.030
200	16.67	0.10	0.054	(0.065)		0.024	0.030
201	16.75	0.10	0.054	(0.064)		0.024	0.030
202	16.83	0.10	0.054	(0.064)		0.024	0.030
203	16.92	0.10	0.054	(0.064)		0.024	0.030
204	17.00	0.10	0.054	(0.063)		0.024	0.030
205	17.08	0.17	0.089	(0.063)		0.040	0.049
206	17.17	0.17	0.089	(0.063)		0.040	0.049
207	17.25	0.17	0.089	(0.062)		0.040	0.049
208	17.33	0.17	0.089	(0.062)		0.040	0.049
209	17.42	0.17	0.089	(0.062)		0.040	0.049
210	17.50	0.17	0.089	(0.061)		0.040	0.049
211	17.58	0.17	0.089	(0.061)		0.040	0.049
212	17.67	0.17	0.089	(0.061)		0.040	0.049
213	17.75	0.17	0.089	(0.060)		0.040	0.049
214	17.83	0.13	0.071	(0.060)		0.032	0.040
215	17.92	0.13	0.071	(0.060)		0.032	0.040
216	18.00	0.13	0.071	(0.060)		0.032	0.040
217	18.08	0.13	0.071	(0.059)		0.032	0.040
218	18.17	0.13	0.071	(0.059)		0.032	0.040
219	18.25	0.13	0.071	(0.059)		0.032	0.040
220	18.33	0.13	0.071	(0.058)		0.032	0.040
221	18.42	0.13	0.071	(0.058)		0.032	0.040
222	18.50	0.13	0.071	(0.058)		0.032	0.040
223	18.58	0.10	0.054	(0.058)		0.024	0.030
224	18.67	0.10	0.054	(0.057)		0.024	0.030
225	18.75	0.10	0.054	(0.057)		0.024	0.030
226	18.83	0.07	0.036	(0.057)		0.016	0.020
227	18.92	0.07	0.036	(0.056)		0.016	0.020
228	19.00	0.07	0.036	(0.056)		0.016	0.020
229	19.08	0.10	0.054	(0.056)		0.024	0.030
230	19.17	0.10	0.054	(0.056)		0.024	0.030
231	19.25	0.10	0.054	(0.055)		0.024	0.030
232	19.33	0.13	0.071	(0.055)		0.032	0.040
233	19.42	0.13	0.071	(0.055)		0.032	0.040

234	19.50	0.13	0.071	(0.055)	0.032	0.040
235	19.58	0.10	0.054	(0.054)	0.024	0.030
236	19.67	0.10	0.054	(0.054)	0.024	0.030
237	19.75	0.10	0.054	(0.054)	0.024	0.030
238	19.83	0.07	0.036	(0.054)	0.016	0.020
239	19.92	0.07	0.036	(0.053)	0.016	0.020
240	20.00	0.07	0.036	(0.053)	0.016	0.020
241	20.08	0.10	0.054	(0.053)	0.024	0.030
242	20.17	0.10	0.054	(0.053)	0.024	0.030
243	20.25	0.10	0.054	(0.052)	0.024	0.030
244	20.33	0.10	0.054	(0.052)	0.024	0.030
245	20.42	0.10	0.054	(0.052)	0.024	0.030
246	20.50	0.10	0.054	(0.052)	0.024	0.030
247	20.58	0.10	0.054	(0.052)	0.024	0.030
248	20.67	0.10	0.054	(0.051)	0.024	0.030
249	20.75	0.10	0.054	(0.051)	0.024	0.030
250	20.83	0.07	0.036	(0.051)	0.016	0.020
251	20.92	0.07	0.036	(0.051)	0.016	0.020
252	21.00	0.07	0.036	(0.051)	0.016	0.020
253	21.08	0.10	0.054	(0.050)	0.024	0.030
254	21.17	0.10	0.054	(0.050)	0.024	0.030
255	21.25	0.10	0.054	(0.050)	0.024	0.030
256	21.33	0.07	0.036	(0.050)	0.016	0.020
257	21.42	0.07	0.036	(0.050)	0.016	0.020
258	21.50	0.07	0.036	(0.049)	0.016	0.020
259	21.58	0.10	0.054	(0.049)	0.024	0.030
260	21.67	0.10	0.054	(0.049)	0.024	0.030
261	21.75	0.10	0.054	(0.049)	0.024	0.030
262	21.83	0.07	0.036	(0.049)	0.016	0.020
263	21.92	0.07	0.036	(0.049)	0.016	0.020
264	22.00	0.07	0.036	(0.048)	0.016	0.020
265	22.08	0.10	0.054	(0.048)	0.024	0.030
266	22.17	0.10	0.054	(0.048)	0.024	0.030
267	22.25	0.10	0.054	(0.048)	0.024	0.030
268	22.33	0.07	0.036	(0.048)	0.016	0.020
269	22.42	0.07	0.036	(0.048)	0.016	0.020
270	22.50	0.07	0.036	(0.047)	0.016	0.020
271	22.58	0.07	0.036	(0.047)	0.016	0.020
272	22.67	0.07	0.036	(0.047)	0.016	0.020
273	22.75	0.07	0.036	(0.047)	0.016	0.020
274	22.83	0.07	0.036	(0.047)	0.016	0.020
275	22.92	0.07	0.036	(0.047)	0.016	0.020
276	23.00	0.07	0.036	(0.047)	0.016	0.020
277	23.08	0.07	0.036	(0.047)	0.016	0.020
278	23.17	0.07	0.036	(0.046)	0.016	0.020
279	23.25	0.07	0.036	(0.046)	0.016	0.020
280	23.33	0.07	0.036	(0.046)	0.016	0.020
281	23.42	0.07	0.036	(0.046)	0.016	0.020
282	23.50	0.07	0.036	(0.046)	0.016	0.020
283	23.58	0.07	0.036	(0.046)	0.016	0.020
284	23.67	0.07	0.036	(0.046)	0.016	0.020
285	23.75	0.07	0.036	(0.046)	0.016	0.020
286	23.83	0.07	0.036	(0.046)	0.016	0.020
287	23.92	0.07	0.036	(0.046)	0.016	0.020
288	24.00	0.07	0.036	(0.046)	0.016	0.020

(Loss Rate Not Used)

Sum = 100.0 Sum = 38.1

Flood volume = Effective rainfall 3.18(In)
times area 211.8(Ac.)/[(In)/(Ft.)] = 56.1(Ac.Ft)
Total soil loss = 1.29(In)
Total soil loss = 22.784(Ac.Ft)
Total rainfall = 4.47(In)
Flood volume = 2442071.7 Cubic Feet
Total soil loss = 992468.2 Cubic Feet

Peak flow rate of this hydrograph = 112.040(CFS)

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24 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0048	0.70	Q				
0+10	0.0233	2.69	Q				
0+15	0.0469	3.42	Q				
0+20	0.0751	4.09	Q				
0+25	0.1114	5.27	VQ				
0+30	0.1510	5.75	VQ				
0+35	0.1923	6.00	VQ				
0+40	0.2346	6.14	VQ				
0+45	0.2776	6.25	VQ				
0+50	0.3233	6.64	VQ				
0+55	0.3761	7.66	VQ				
1+ 0	0.4315	8.05	VQ				
1+ 5	0.4856	7.86	VQ				
1+10	0.5335	6.95	VQ				
1+15	0.5793	6.65	VQ				
1+20	0.6243	6.53	VQ				
1+25	0.6688	6.46	VQ				
1+30	0.7131	6.43	VQ				
1+35	0.7571	6.39	VQ				
1+40	0.8009	6.36	VQ				
1+45	0.8445	6.34	VQ				
1+50	0.8906	6.69	VQ				
1+55	0.9435	7.68	VQ				
2+ 0	0.9989	8.05	VQ				
2+ 5	1.0555	8.21	VQ				
2+10	1.1126	8.30	VQ				
2+15	1.1702	8.36	VQ				
2+20	1.2281	8.40	VQ				
2+25	1.2861	8.43	VQ				
2+30	1.3443	8.45	VQ				
2+35	1.4049	8.80	|Q				
2+40	1.4723	9.80	|Q				
2+45	1.5423	10.16	|VQ				
2+50	1.6134	10.32	|VQ				
2+55	1.6851	10.41	|VQ				
3+ 0	1.7573	10.47	|VQ				
3+ 5	1.8297	10.51	|VQ				
3+10	1.9022	10.54	|VQ				
3+15	1.9750	10.56	|VQ				
3+20	2.0477	10.56	|VQ				
3+25	2.1205	10.56	|VQ				
3+30	2.1932	10.56	|VQ				
3+35	2.2660	10.56	|VQ				
3+40	2.3387	10.56	|VQ				
3+45	2.4115	10.56	|VQ				
3+50	2.4866	10.91	|VQ				
3+55	2.5686	11.91	|VQ				
4+ 0	2.6532	12.27	|VQ				
4+ 5	2.7388	12.43	|VQ				
4+10	2.8251	12.53	| Q				
4+15	2.9117	12.59	| Q				
4+20	3.0011	12.97	| Q				
4+25	3.0975	14.00	| Q				
4+30	3.1966	14.39	| Q				
4+35	3.2968	14.55	| Q				
4+40	3.3976	14.64	| Q				
4+45	3.4988	14.70	| Q				
4+50	3.6027	15.09	| VQ				

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 4+55       3.7136     16.11  | VQ      |         |         |         |
 5+ 0       3.8273     16.50  | VQ      |         |         |         |
 5+ 5       3.9372     15.96  | VQ      |         |         |         |
 5+10       4.0340     14.06  | Q       |         |         |         |
 5+15       4.1262     13.39  | Q       |         |         |         |
 5+20       4.2189     13.46  | QV      |         |         |         |
 5+25       4.3174     14.30  | QV      |         |         |         |
 5+30       4.4177     14.57  | QV      |         |         |         |
 5+35       4.5210     15.00  | QV      |         |         |         |
 5+40       4.6314     16.04  |  Q      |         |         |         |
 5+45       4.7444     16.41  |  Q      |         |         |         |
 5+50       4.8588     16.61  |  Q      |         |         |         |
 5+55       4.9740     16.73  |  Q      |         |         |         |
 6+ 0       5.0898     16.81  |  Q      |         |         |         |
 6+ 5       5.2082     17.20  |  Q      |         |         |         |
 6+10       5.3337     18.22  |  Q      |         |         |         |
 6+15       5.4619     18.61  |  Q      |         |         |         |
 6+20       5.5912     18.77  |  Q      |         |         |         |
 6+25       5.7211     18.86  |  QV     |         |         |         |
 6+30       5.8514     18.92  |  QV     |         |         |         |
 6+35       5.9844     19.31  |  QV     |         |         |         |
 6+40       6.1245     20.34  |   Q     |         |         |         |
 6+45       6.2672     20.72  |   Q     |         |         |         |
 6+50       6.4110     20.88  |   Q     |         |         |         |
 6+55       6.5555     20.98  |   Q     |         |         |         |
 7+ 0       6.7004     21.04  |   Q     |         |         |         |
 7+ 5       6.8455     21.08  |   Q     |         |         |         |
 7+10       6.9909     21.10  |   Q     |         |         |         |
 7+15       7.1364     21.13  |   QV    |         |         |         |
 7+20       7.2842     21.47  |   QV    |         |         |         |
 7+25       7.4390     22.47  |   QV    |         |         |         |
 7+30       7.5963     22.84  |   QV    |         |         |         |
 7+35       7.7571     23.34  |   QV    |         |         |         |
 7+40       7.9254     24.44  |   QV    |         |         |         |
 7+45       8.0966     24.86  |   QV    |         |         |         |
 7+50       8.2715     25.41  |    Q    |         |         |         |
 7+55       8.4542     26.52  |    QV   |         |         |         |
 8+ 0       8.6400     26.97  |    QV   |         |         |         |
 8+ 5       8.8348     28.28  |    QV   |         |         |         |
 8+10       9.0524     31.60  |     Q   |         |         |         |
 8+15       9.2791     32.92  |     Q   |         |         |         |
 8+20       9.5102     33.55  |     Q   |         |         |         |
 8+25       9.7442     33.97  |     Q   |         |         |         |
 8+30       9.9803     34.28  |     QV  |         |         |         |
 8+35      10.2223     35.14  |      Q  |         |         |         |
 8+40      10.4780     37.13  |      Q  |         |         |         |
 8+45      10.7395     37.97  |      Q  |         |         |         |
 8+50      11.0080     38.99  |      Q  |         |         |         |
 8+55      11.2908     41.07  |       Q |         |         |         |
 9+ 0      11.5797     41.94  |       Q |         |         |         |
 9+ 5      11.8804     43.66  |       Q |         |         |         |
 9+10      12.2081     47.58  |       VQ|         |         |         |
 9+15      12.5466     49.15  |       VQ|         |         |         |
 9+20      12.8946     50.54  |        VQ         |         |         |
 9+25      13.2584     52.82  |        VQ         |         |         |
 9+30      13.6293     53.84  |        VQ         |         |         |
 9+35      14.0081     55.01  |        V|Q        |         |         |
 9+40      14.4019     57.17  |         VQ        |         |         |
 9+45      14.8022     58.13  |         VQ        |         |         |
 9+50      15.2100     59.22  |         VQ        |         |         |
 9+55      15.6325     61.34  |          |VQ      |         |         |
10+ 0      16.0612     62.25  |          |VQ      |         |         |
10+ 5      16.4627     58.31  |          |Q       |         |         |
10+10      16.7795     45.99  |         Q|V       |         |         |
10+15      17.0663     41.65  |        Q | V      |         |         |
10+20      17.3404     39.79  |       Q  | V      |         |         |
10+25      17.6074     38.77  |       Q  | V      |         |         |
```

```
 10+30      17.8702     38.16  |      Q  | V       |         |         |
 10+35      18.1519     40.90  |       Q | V       |         |         |
 10+40      18.4942     49.70  |        Q|  V      |         |         |
 10+45      18.8576     52.76  |         Q  V      |         |         |
 10+50      19.2316     54.31  |         Q  V      |         |         |
 10+55      19.6120     55.24  |         |Q V      |         |         |
 11+ 0      19.9968     55.87  |         |Q  V     |         |         |
 11+ 5      20.3804     55.70  |         |Q  V     |         |         |
 11+10      20.7539     54.22  |         Q   V     |         |         |
 11+15      21.1250     53.89  |         Q    V    |         |         |
 11+20      21.4948     53.69  |         Q    V    |         |         |
 11+25      21.8641     53.62  |         Q    V    |         |         |
 11+30      22.2333     53.61  |         Q    V    |         |         |
 11+35      22.5940     52.37  |         Q     V   |         |         |
 11+40      22.9301     48.81  |        Q|     V   |         |         |
 11+45      23.2576     47.55  |        Q|     V   |         |         |
 11+50      23.5861     47.69  |        Q|     V   |         |         |
 11+55      23.9253     49.25  |        Q|      V  |         |         |
 12+ 0      24.2682     49.79  |        Q|      V  |         |         |
 12+ 5      24.6430     54.43  |         Q      V  |         |         |
 12+10      25.1060     67.22  |         |  Q   V  |         |         |
 12+15      25.6014     71.93  |         |   Q   V |         |         |
 12+20      26.1162     74.75  |         |   Q   V |         |         |
 12+25      26.6524     77.86  |         |    Q   V|         |         |
 12+30      27.1992     79.40  |         |    Q   V|         |         |
 12+35      27.7608     81.54  |         |     Q  V|         |         |
 12+40      28.3512     85.73  |         |      Q  V         |         |
 12+45      28.9542     87.55  |         |      Q  V         |         |
 12+50      29.5666     88.92  |         |      Q  |V        |         |
 12+55      30.1947     91.19  |         |       Q |V        |         |
 13+ 0      30.8296     92.20  |         |       Q |V        |         |
 13+ 5      31.4899     95.86  |         |        Q| V       |         |
 13+10      32.2146    105.23  |         |         |QV       |         |
 13+15      32.9639    108.80  |         |         |Q V      |         |
 13+20      33.7243    110.41  |         |         | Q V     |         |
 13+25      34.4913    111.37  |         |         | Q V     |         |
 13+30      35.2629    112.04  |         |         | Q  V    |         |
 13+35      35.9900    105.57  |         |         |Q   V    |         |
 13+40      36.5826     86.04  |         |      Q  |     V   |         |
 13+45      37.1276     79.13  |         |    Q    |     V   |         |
 13+50      37.6512     76.03  |         |    Q    |     V   |         |
 13+55      38.1627     74.28  |         |   Q     |      V  |         |
 14+ 0      38.6668     73.18  |         |   Q     |      V  |         |
 14+ 5      39.1832     74.99  |         |   Q     |      V  |         |
 14+10      39.7464     81.78  |         |     Q   |       V |         |
 14+15      40.3249     84.00  |         |     Q   |       V |         |
 14+20      40.9076     84.61  |         |     Q   |        V|         |
 14+25      41.4830     83.55  |         |     Q   |        V|         |
 14+30      42.0575     83.41  |         |     Q   |         V         |
 14+35      42.6324     83.49  |         |     Q   |         V         |
 14+40      43.2081     83.59  |         |     Q   |         V         |
 14+45      43.7848     83.74  |         |     Q   |         |V        |
 14+50      44.3573     83.12  |         |     Q   |         |V        |
 14+55      44.9175     81.35  |         |     Q   |         | V       |
 15+ 0      45.4735     80.73  |         |     Q   |         | V       |
 15+ 5      46.0236     79.89  |         |    Q    |         | V       |
 15+10      46.5608     77.99  |         |    Q    |         |  V      |
 15+15      47.0932     77.31  |         |    Q    |         |  V      |
 15+20      47.6193     76.40  |         |    Q    |         |  V      |
 15+25      48.1321     74.46  |         |   Q     |         |   V     |
 15+30      48.6399     73.72  |         |   Q     |         |   V     |
 15+35      49.1283     70.92  |         |   Q     |         |    V    |
 15+40      49.5661     63.57  |         | Q       |         |    V    |
 15+45      49.9853     60.87  |         | Q       |         |    V    |
 15+50      50.3966     59.71  |         |Q        |         |    V    |
 15+55      50.8034     59.07  |         |Q        |         |     V   |
 16+ 0      51.2075     58.68  |         |Q        |         |     V   |
```

```
16+ 5      51.5537     50.26  |          Q          |          |     V    |
16+10      51.7370     26.61  |     Q     |         |          |     V    |
16+15      51.8602     17.89  |   Q       |         |          |      V   |
16+20      51.9576     14.13  | Q         |         |          |      V   |
16+25      52.0400     11.96  | Q         |         |          |      V   |
16+30      52.1128     10.57  | Q         |         |          |      V   |
16+35      52.1767      9.29  |Q          |         |          |      V   |
16+40      52.2297      7.69  |Q          |         |          |      V   |
16+45      52.2761      6.74  |Q          |         |          |      V   |
16+50      52.3214      6.58  |Q          |         |          |      V   |
16+55      52.3661      6.49  |Q          |         |          |      V   |
17+ 0      52.4104      6.43  |Q          |         |          |      V   |
17+ 5      52.4592      7.08  |Q          |         |          |      V   |
17+10      52.5215      9.06  |Q          |         |          |      V   |
17+15      52.5888      9.76  |Q          |         |          |      V   |
17+20      52.6582     10.08  | Q         |         |          |      V   |
17+25      52.7289     10.26  | Q         |         |          |      V   |
17+30      52.8004     10.38  | Q         |         |          |      V   |
17+35      52.8724     10.46  | Q         |         |          |      V   |
17+40      52.9448     10.51  | Q         |         |          |      V   |
17+45      53.0176     10.56  | Q         |         |          |      V   |
17+50      53.0879     10.22  | Q         |         |          |      V   |
17+55      53.1514      9.22  |Q          |         |          |      V   |
18+ 0      53.2124      8.85  |Q          |         |          |      V   |
18+ 5      53.2722      8.69  |Q          |         |          |       V  |
18+10      53.3315      8.60  |Q          |         |          |       V  |
18+15      53.3903      8.54  |Q          |         |          |       V  |
18+20      53.4488      8.50  |Q          |         |          |       V  |
18+25      53.5072      8.48  |Q          |         |          |       V  |
18+30      53.5654      8.45  |Q          |         |          |       V  |
18+35      53.6212      8.10  |Q          |         |          |       V  |
18+40      53.6701      7.10  |Q          |         |          |       V  |
18+45      53.7165      6.74  |Q          |         |          |       V  |
18+50      53.7595      6.23  |Q          |         |          |       V  |
18+55      53.7949      5.14  |Q          |         |          |       V  |
19+ 0      53.8274      4.72  Q          |         |          |       V  |
19+ 5      53.8609      4.87  Q          |         |          |       V  |
19+10      53.9004      5.75  |Q          |         |          |       V  |
19+15      53.9419      6.03  |Q          |         |          |       V  |
19+20      53.9867      6.49  |Q          |         |          |       V  |
19+25      54.0387      7.56  |Q          |         |          |       V  |
19+30      54.0935      7.96  |Q          |         |          |       V  |
19+35      54.1473      7.81  |Q          |         |          |       V  |
19+40      54.1951      6.93  |Q          |         |          |       V  |
19+45      54.2409      6.65  |Q          |         |          |       V  |
19+50      54.2834      6.18  |Q          |         |          |       V  |
19+55      54.3187      5.12  |Q          |         |          |       V  |
20+ 0      54.3511      4.72  Q          |         |          |       V  |
20+ 5      54.3847      4.87  Q          |         |          |       V  |
20+10      54.4242      5.75  |Q          |         |          |       V  |
20+15      54.4657      6.03  |Q          |         |          |       V  |
20+20      54.5081      6.15  |Q          |         |          |       V  |
20+25      54.5509      6.21  |Q          |         |          |       V  |
20+30      54.5939      6.25  |Q          |         |          |       V  |
20+35      54.6372      6.29  |Q          |         |          |       V  |
20+40      54.6807      6.31  |Q          |         |          |        V |
20+45      54.7243      6.34  |Q          |         |          |        V |
20+50      54.7656      5.99  |Q          |         |          |        V |
20+55      54.7999      4.99  Q          |         |          |        V |
21+ 0      54.8318      4.63  Q          |         |          |        V |
21+ 5      54.8650      4.82  Q          |         |          |        V |
21+10      54.9044      5.72  |Q          |         |          |        V |
21+15      54.9459      6.03  |Q          |         |          |        V |
21+20      54.9858      5.80  |Q          |         |          |        V |
21+25      55.0193      4.87  Q          |         |          |        V |
21+30      55.0506      4.54  Q          |         |          |        V |
21+35      55.0834      4.76  Q          |         |          |        V |
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  21+40      55.1226      5.70  |Q        |          |          |        V|
  21+45      55.1641      6.03  |Q        |          |          |        V|
  21+50      55.2041      5.80  |Q        |          |          |        V|
  21+55      55.2376      4.87  Q         |          |          |        V|
  22+ 0      55.2688      4.54  Q         |          |          |        V|
  22+ 5      55.3016      4.76  Q         |          |          |        V|
  22+10      55.3409      5.70  |Q        |          |          |        V|
  22+15      55.3824      6.03  |Q        |          |          |        V|
  22+20      55.4223      5.80  |Q        |          |          |        V|
  22+25      55.4558      4.87  Q         |          |          |        V|
  22+30      55.4871      4.54  Q         |          |          |        V|
  22+35      55.5175      4.42  Q         |          |          |        V|
  22+40      55.5474      4.35  Q         |          |          |        V|
  22+45      55.5772      4.32  Q         |          |          |        V|
  22+50      55.6066      4.28  Q         |          |          |        V|
  22+55      55.6359      4.25  Q         |          |          |        V|
  23+ 0      55.6650      4.23  Q         |          |          |        V|
  23+ 5      55.6941      4.23  Q         |          |          |        V|
  23+10      55.7232      4.23  Q         |          |          |        V|
  23+15      55.7523      4.23  Q         |          |          |        V|
  23+20      55.7814      4.23  Q         |          |          |        V|
  23+25      55.8105      4.23  Q         |          |          |        V|
  23+30      55.8396      4.23  Q         |          |          |        V|
  23+35      55.8687      4.23  Q         |          |          |        V|
  23+40      55.8978      4.23  Q         |          |          |        V|
  23+45      55.9269      4.23  Q         |          |          |        V|
  23+50      55.9560      4.23  Q         |          |          |        V|
  23+55      55.9851      4.23  Q         |          |          |        V|
  24+ 0      56.0142      4.23  Q         |          |          |        V|
  24+ 5      56.0385      3.53  Q         |          |          |        V|
  24+10      56.0490      1.53  Q         |          |          |        V|
  24+15      56.0546      0.80  Q         |          |          |        V|
  24+20      56.0579      0.48  Q         |          |          |        V|
  24+25      56.0600      0.30  Q         |          |          |        V|
  24+30      56.0612      0.18  Q         |          |          |        V|
  24+35      56.0619      0.10  Q         |          |          |        V|
  24+40      56.0623      0.05  Q         |          |          |         V
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/21/21 File: RVUHH1100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN J- PROPOSED UNIT HYDROGRAPH
100YR-1HR STORM

Drainage Area = 211.80(Ac.) = 0.331 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 211.80(Ac.) = 0.331 Sq. Mi.
Length along longest watercourse = 5201.00(Ft.)
Length along longest watercourse measured to centroid = 3594.40(Ft.)
Length along longest watercourse = 0.985 Mi.
Length along longest watercourse measured to centroid = 0.681 Mi.
Difference in elevation = 596.00(Ft.)
Slope along watercourse = 605.0529 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.092 Hr.
Lag time = 5.49 Min.
25% of lag time = 1.37 Min.
40% of lag time = 2.20 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	0.55	116.49

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	1.30	275.34

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 0.550(In)
Area Averaged 100-Year Rainfall = 1.300(In)

Point rain (area averaged) = 1.300(In)
Areal adjustment factor = 99.81 %
Adjusted average point rain = 1.298(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
211.800	70.00	0.567

Total Area Entered = 211.80(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
      AMC2 AMC-3     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
      70.0  85.0      0.187     0.567        0.092       1.000      0.092
                                                          Sum (F) =   0.092
      Area averaged mean soil loss (F) (In/Hr) =  0.092
      Minimum soil loss rate ((In/Hr)) =  0.046
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.446
      ------------------------------------------------------------------------
      Slope of intensity-duration curve for a 1 hour storm =0.5500
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %           (CFS)
      ------------------------------------------------------------------------
          1   0.083         90.993         16.472            35.161
          2   0.167        181.986         47.272           100.905
          3   0.250        272.979         17.216            36.747
          4   0.333        363.972          7.583            16.186
          5   0.417        454.965          4.374             9.337
          6   0.500        545.958          2.804             5.985
          7   0.583        636.951          1.895             4.045
          8   0.667        727.944          1.205             2.572
          9   0.750        818.937          1.179             2.517
                                  Sum = 100.000   Sum=     213.455
----------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
       (Hr.)  Percent   (In/Hr)         Max    |   Low        (In/Hr)
   1   0.08     3.30      0.514          0.092    (  0.229)        0.422
   2   0.17     4.20      0.654          0.092    (  0.292)        0.562
   3   0.25     4.40      0.685          0.092    (  0.306)        0.594
   4   0.33     4.80      0.747          0.092    (  0.334)        0.656
   5   0.42     5.20      0.810          0.092    (  0.361)        0.718
   6   0.50     6.20      0.965          0.092    (  0.431)        0.874
   7   0.58     6.80      1.059          0.092    (  0.473)        0.967
   8   0.67     8.80      1.370          0.092    (  0.612)        1.279
   9   0.75    13.90      2.164          0.092    (  0.966)        2.073
  10   0.83    31.40      4.889          0.092    (  2.182)        4.797
  11   0.92     7.20      1.121          0.092    (  0.500)        1.029
  12   1.00     3.80      0.592          0.092    (  0.264)        0.500
            (Loss Rate Not Used)
     Sum =     100.0                                    Sum =    14.5
       Flood volume = Effective rainfall      1.21(In)
        times area     211.8(Ac.)/[(In)/(Ft.)] =      21.3(Ac.Ft)
       Total soil loss =      0.09(In)
       Total soil loss =     1.616(Ac.Ft)
       Total rainfall =      1.30(In)
       Flood volume =      927160.6 Cubic Feet
       Total soil loss =       70405.1 Cubic Feet
       ---------------------------------------------------------------------
        Peak flow rate of this hydrograph =    637.816(CFS)
       ---------------------------------------------------------------------
       +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          1 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
       ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))
```

```
    ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0      175.0     350.0     525.0     700.0
 ---------------------------------------------------------------------
   0+ 5       0.1023     14.85  Q         |         |         |         |
   0+10       0.5321     62.41  |V Q      |         |         |         |
   0+15       1.1739     93.18  | V  Q    |         |         |         |
   0+20       1.9349    110.50  |  V  Q   |         |         |         |
   0+25       2.8050    126.34  |    V Q  |         |         |         |
   0+30       3.8018    144.74  |      VQ |         |         |         |
   0+35       4.9718    169.88  |        Q|         |         |         |
   0+40       6.3452    199.42  |         |Q        |         |         |
   0+45       8.1858    267.25  |         |    Q    |         |         |
   0+50      11.3452    458.75  |         |         |V    Q   |         |
   0+55      15.7379    637.82  |         |         |        V|     Q   |
   1+ 0      18.1914    356.25  |         |         Q         |   V     |
   1+ 5      19.5758    201.02  |         |Q        |         |     V   |
   1+10      20.2793    102.15  |    Q    |         |         |       V |
   1+15      20.6964     60.56  |  Q      |         |         |       V |
   1+20      20.9636     38.80  | Q       |         |         |        V|
   1+25      21.1339     24.73  |Q        |         |         |        V|
   1+30      21.2493     16.76  Q         |         |         |        V|
   1+35      21.2760      3.88  Q         |         |         |        V|
   1+40      21.2847      1.26  Q         |         |         |         V
---------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/21/21 File: RVUHH3100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN J- PROPOSED UNIT HYDROGRAPH
100YR-3HR STORM

Drainage Area = 211.80(Ac.) = 0.331 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 211.80(Ac.) = 0.331 Sq. Mi.
Length along longest watercourse = 5201.00(Ft.)
Length along longest watercourse measured to centroid = 3594.40(Ft.)
Length along longest watercourse = 0.985 Mi.
Length along longest watercourse measured to centroid = 0.681 Mi.
Difference in elevation = 596.00(Ft.)
Slope along watercourse = 605.0529 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.092 Hr.
Lag time = 5.49 Min.
25% of lag time = 1.37 Min.
40% of lag time = 2.20 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	1.10	232.98

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	2.00	423.60

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.100(In)
Area Averaged 100-Year Rainfall = 2.000(In)

Point rain (area averaged) = 2.000(In)
Areal adjustment factor = 99.91 %
Adjusted average point rain = 1.998(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
211.800	70.00	0.567

Total Area Entered = 211.80(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      70.0  85.0      0.187     0.567        0.092       1.000      0.092
                                                        Sum (F) =   0.092
      Area averaged mean soil loss (F) (In/Hr) =  0.092
      Minimum soil loss rate ((In/Hr)) =  0.046
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.446
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083         90.993         16.472             35.161
          2   0.167        181.986         47.272            100.905
          3   0.250        272.979         17.216             36.747
          4   0.333        363.972          7.583             16.186
          5   0.417        454.965          4.374              9.337
          6   0.500        545.958          2.804              5.985
          7   0.583        636.951          1.895              4.045
          8   0.667        727.944          1.205              2.572
          9   0.750        818.937          1.179              2.517
                                    Sum = 100.000   Sum=     213.455
    ------------------------------------------------------------------------

     The following loss rate calculations reflect use of the minimum calculated loss
     rate subtracted from the Storm Rain to produce the maximum Effective Rain value

      Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
           (Hr.)  Percent   (In/Hr)         Max   |   Low         (In/Hr)
       1   0.08     1.30      0.312          0.092    (  0.139)        0.220
       2   0.17     1.30      0.312          0.092    (  0.139)        0.220
       3   0.25     1.10      0.264          0.092    (  0.118)        0.172
       4   0.33     1.50      0.360          0.092    (  0.161)        0.268
       5   0.42     1.50      0.360          0.092    (  0.161)        0.268
       6   0.50     1.80      0.432          0.092    (  0.193)        0.340
       7   0.58     1.50      0.360          0.092    (  0.161)        0.268
       8   0.67     1.80      0.432          0.092    (  0.193)        0.340
       9   0.75     1.80      0.432          0.092    (  0.193)        0.340
      10   0.83     1.50      0.360          0.092    (  0.161)        0.268
      11   0.92     1.60      0.384          0.092    (  0.171)        0.292
      12   1.00     1.80      0.432          0.092    (  0.193)        0.340
      13   1.08     2.20      0.528          0.092    (  0.235)        0.436
      14   1.17     2.20      0.528          0.092    (  0.235)        0.436
      15   1.25     2.20      0.528          0.092    (  0.235)        0.436
      16   1.33     2.00      0.480          0.092    (  0.214)        0.388
      17   1.42     2.60      0.623          0.092    (  0.278)        0.532
      18   1.50     2.70      0.647          0.092    (  0.289)        0.556
      19   1.58     2.40      0.575          0.092    (  0.257)        0.484
      20   1.67     2.70      0.647          0.092    (  0.289)        0.556
      21   1.75     3.30      0.791          0.092    (  0.353)        0.700
      22   1.83     3.10      0.743          0.092    (  0.332)        0.652
      23   1.92     2.90      0.695          0.092    (  0.310)        0.604
      24   2.00     3.00      0.719          0.092    (  0.321)        0.628
      25   2.08     3.10      0.743          0.092    (  0.332)        0.652
      26   2.17     4.20      1.007          0.092    (  0.450)        0.915
      27   2.25     5.00      1.199          0.092    (  0.535)        1.107
      28   2.33     3.50      0.839          0.092    (  0.375)        0.748
      29   2.42     6.80      1.630          0.092    (  0.728)        1.539
      30   2.50     7.30      1.750          0.092    (  0.781)        1.659
      31   2.58     8.20      1.966          0.092    (  0.878)        1.875
      32   2.67     5.90      1.415          0.092    (  0.632)        1.323
      33   2.75     2.00      0.480          0.092    (  0.214)        0.388
      34   2.83     1.80      0.432          0.092    (  0.193)        0.340
```

```
35   2.92     1.80      0.432          0.092    (  0.193)        0.340
36   3.00     0.60      0.144       (  0.092)       0.064        0.080
           (Loss Rate Not Used)
   Sum =     100.0                                   Sum =    20.7
     Flood volume = Effective rainfall      1.73(In)
      times area     211.8(Ac.)/[(In)/(Ft.)] =      30.5(Ac.Ft)
     Total soil loss =      0.27(In)
     Total soil loss =     4.809(Ac.Ft)
     Total rainfall =      2.00(In)
     Flood volume =     1326780.2 Cubic Feet
     Total soil loss =      209463.0 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =    342.288(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                         3 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0      100.0     200.0     300.0     400.0
-------------------------------------------------------------------------
  0+ 5       0.0533      7.74  Q         |         |         |         |
  0+10       0.2597     29.97  V Q       |         |         |         |
  0+15       0.5102     36.38  V  Q      |         |         |         |
  0+20       0.7752     38.47  |V Q      |         |         |         |
  0+25       1.1089     48.45  |V  Q     |         |         |         |
  0+30       1.4880     55.05  |V   Q    |         |         |         |
  0+35       1.9134     61.78  | V   Q   |         |         |         |
  0+40       2.3326     60.86  |  V  Q   |         |         |         |
  0+45       2.7980     67.58  |  V  Q   |         |         |         |
  0+50       3.2627     67.47  |   V Q   |         |         |         |
  0+55       3.6904     62.10  |   V Q   |         |         |         |
  1+ 0       4.1334     64.33  |    VQ   |         |         |         |
  1+ 5       4.6334     72.59  |     VQ  |         |         |         |
  1+10       5.2122     84.04  |     V Q |         |         |         |
  1+15       5.8192     88.14  |      VQ |         |         |         |
  1+20       6.4286     88.49  |       Q |         |         |         |
  1+25       7.0471     89.80  |       QV|         |         |         |
  1+30       7.7638    104.06  |         Q         |         |         |
  1+35       8.5147    109.03  |         QV        |         |         |
  1+40       9.2545    107.43  |         Q V       |         |         |
  1+45      10.0727    118.80  |         |Q V      |         |         |
  1+50      10.9956    134.01  |         |  QV     |         |         |
  1+55      11.9175    133.86  |         |  Q V    |         |         |
  2+ 0      12.8198    131.02  |         |  Q  V   |         |         |
  2+ 5      13.7403    133.65  |         |  Q    V |         |         |
  2+10      14.7460    146.03  |         |   Q    V|         |         |
  2+15      15.9894    180.53  |         |       Q V         |         |
  2+20      17.3504    197.62  |         |        Q| V       |         |
  2+25      18.7339    200.89  |         |         Q   V     |         |
  2+30      20.6439    277.33  |         |           |     Q |         |
  2+35      22.8733    323.70  |         |           |        V Q        |
  2+40      25.2306    342.29  |         |           |         |  VQ     |
  2+45      27.0925    270.34  |         |           |     Q   |    V    |
  2+50      28.2153    163.03  |         |     Q     |         |      V  |
  2+55      29.0442    120.37  |         | Q         |         |       V |
  3+ 0      29.6782     92.06  |        Q|         |         |         V |
  3+ 5      30.0455     53.33  |    Q    |         |         |         V|
  3+10      30.2403     28.29  | Q       |         |         |         V|
  3+15      30.3519     16.20  |Q        |         |         |         V|
  3+20      30.4103      8.49  Q         |         |         |         V|
  3+25      30.4358      3.71  Q         |         |         |         V|
  3+30      30.4500      2.05  Q         |         |         |         V|
  3+35      30.4573      1.06  Q         |         |         |         V|
  3+40      30.4587      0.20  Q         |         |         |         V|
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/21/21 File: RVUHH6100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN J- PROPOSED UNIT HYDROGRAPH
100YR-6HR STORM

Drainage Area = 211.80(Ac.) = 0.331 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 211.80(Ac.) = 0.331 Sq. Mi.
Length along longest watercourse = 5201.00(Ft.)
Length along longest watercourse measured to centroid = 3594.40(Ft.)
Length along longest watercourse = 0.985 Mi.
Length along longest watercourse measured to centroid = 0.681 Mi.
Difference in elevation = 596.00(Ft.)
Slope along watercourse = 605.0529 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.092 Hr.
Lag time = 5.49 Min.
25% of lag time = 1.37 Min.
40% of lag time = 2.20 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	1.60	338.88

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	3.00	635.40

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 3.000(In)

Point rain (area averaged) = 3.000(In)
Areal adjustment factor = 99.93 %
Adjusted average point rain = 2.998(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
211.800	70.00	0.567

Total Area Entered = 211.80(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      70.0  85.0      0.187     0.567        0.092       1.000      0.092
                                                        Sum (F) =   0.092
      Area averaged mean soil loss (F) (In/Hr) =  0.092
      Minimum soil loss rate ((In/Hr)) =  0.046
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.446
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083         90.993         16.472             35.161
          2   0.167        181.986         47.272            100.905
          3   0.250        272.979         17.216             36.747
          4   0.333        363.972          7.583             16.186
          5   0.417        454.965          4.374              9.337
          6   0.500        545.958          2.804              5.985
          7   0.583        636.951          1.895              4.045
          8   0.667        727.944          1.205              2.572
          9   0.750        818.937          1.179              2.517
                                    Sum = 100.000   Sum=     213.455
    ------------------------------------------------------------------------


     The following loss rate calculations reflect use of the minimum calculated loss
     rate subtracted from the Storm Rain to produce the maximum Effective Rain value

      Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
           (Hr.)  Percent   (In/Hr)          Max   |   Low         (In/Hr)
       1   0.08     0.50      0.180       (  0.092)       0.080        0.100
       2   0.17     0.60      0.216          0.092    (  0.096)        0.124
       3   0.25     0.60      0.216          0.092    (  0.096)        0.124
       4   0.33     0.60      0.216          0.092    (  0.096)        0.124
       5   0.42     0.60      0.216          0.092    (  0.096)        0.124
       6   0.50     0.70      0.252          0.092    (  0.112)        0.160
       7   0.58     0.70      0.252          0.092    (  0.112)        0.160
       8   0.67     0.70      0.252          0.092    (  0.112)        0.160
       9   0.75     0.70      0.252          0.092    (  0.112)        0.160
      10   0.83     0.70      0.252          0.092    (  0.112)        0.160
      11   0.92     0.70      0.252          0.092    (  0.112)        0.160
      12   1.00     0.80      0.288          0.092    (  0.128)        0.196
      13   1.08     0.80      0.288          0.092    (  0.128)        0.196
      14   1.17     0.80      0.288          0.092    (  0.128)        0.196
      15   1.25     0.80      0.288          0.092    (  0.128)        0.196
      16   1.33     0.80      0.288          0.092    (  0.128)        0.196
      17   1.42     0.80      0.288          0.092    (  0.128)        0.196
      18   1.50     0.80      0.288          0.092    (  0.128)        0.196
      19   1.58     0.80      0.288          0.092    (  0.128)        0.196
      20   1.67     0.80      0.288          0.092    (  0.128)        0.196
      21   1.75     0.80      0.288          0.092    (  0.128)        0.196
      22   1.83     0.80      0.288          0.092    (  0.128)        0.196
      23   1.92     0.80      0.288          0.092    (  0.128)        0.196
      24   2.00     0.90      0.324          0.092    (  0.145)        0.232
      25   2.08     0.80      0.288          0.092    (  0.128)        0.196
      26   2.17     0.90      0.324          0.092    (  0.145)        0.232
      27   2.25     0.90      0.324          0.092    (  0.145)        0.232
      28   2.33     0.90      0.324          0.092    (  0.145)        0.232
      29   2.42     0.90      0.324          0.092    (  0.145)        0.232
      30   2.50     0.90      0.324          0.092    (  0.145)        0.232
      31   2.58     0.90      0.324          0.092    (  0.145)        0.232
      32   2.67     0.90      0.324          0.092    (  0.145)        0.232
      33   2.75     1.00      0.360          0.092    (  0.161)        0.268
```

```
34   2.83     1.00      0.360          0.092    (  0.161)        0.268
35   2.92     1.00      0.360          0.092    (  0.161)        0.268
36   3.00     1.00      0.360          0.092    (  0.161)        0.268
37   3.08     1.00      0.360          0.092    (  0.161)        0.268
38   3.17     1.10      0.396          0.092    (  0.177)        0.304
39   3.25     1.10      0.396          0.092    (  0.177)        0.304
40   3.33     1.10      0.396          0.092    (  0.177)        0.304
41   3.42     1.20      0.432          0.092    (  0.193)        0.340
42   3.50     1.30      0.468          0.092    (  0.209)        0.376
43   3.58     1.40      0.504          0.092    (  0.225)        0.412
44   3.67     1.40      0.504          0.092    (  0.225)        0.412
45   3.75     1.50      0.540          0.092    (  0.241)        0.448
46   3.83     1.50      0.540          0.092    (  0.241)        0.448
47   3.92     1.60      0.576          0.092    (  0.257)        0.484
48   4.00     1.60      0.576          0.092    (  0.257)        0.484
49   4.08     1.70      0.612          0.092    (  0.273)        0.520
50   4.17     1.80      0.648          0.092    (  0.289)        0.556
51   4.25     1.90      0.684          0.092    (  0.305)        0.592
52   4.33     2.00      0.719          0.092    (  0.321)        0.628
53   4.42     2.10      0.755          0.092    (  0.337)        0.664
54   4.50     2.10      0.755          0.092    (  0.337)        0.664
55   4.58     2.20      0.791          0.092    (  0.353)        0.700
56   4.67     2.30      0.827          0.092    (  0.369)        0.736
57   4.75     2.40      0.863          0.092    (  0.385)        0.772
58   4.83     2.40      0.863          0.092    (  0.385)        0.772
59   4.92     2.50      0.899          0.092    (  0.401)        0.808
60   5.00     2.60      0.935          0.092    (  0.418)        0.844
61   5.08     3.10      1.115          0.092    (  0.498)        1.024
62   5.17     3.60      1.295          0.092    (  0.578)        1.203
63   5.25     3.90      1.403          0.092    (  0.626)        1.311
64   5.33     4.20      1.511          0.092    (  0.674)        1.419
65   5.42     4.70      1.691          0.092    (  0.755)        1.599
66   5.50     5.60      2.015          0.092    (  0.899)        1.923
67   5.58     1.90      0.684          0.092    (  0.305)        0.592
68   5.67     0.90      0.324          0.092    (  0.145)        0.232
69   5.75     0.60      0.216          0.092    (  0.096)        0.124
70   5.83     0.50      0.180       (  0.092)       0.080        0.100
71   5.92     0.30      0.108       (  0.092)       0.048        0.060
72   6.00     0.20      0.072       (  0.092)       0.032        0.040
            (Loss Rate Not Used)
   Sum =     100.0                                   Sum =    29.5
     Flood volume = Effective rainfall      2.46(In)
      times area     211.8(Ac.)/[(In)/(Ft.)] =      43.4(Ac.Ft)
     Total soil loss =      0.54(In)
     Total soil loss =     9.513(Ac.Ft)
     Total rainfall =      3.00(In)
     Flood volume =     1890427.2 Cubic Feet
     Total soil loss =      414395.5 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =     327.327(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        6 - H O U R    S T O R M
                    R u n o f f      H y d r o g r a p h
     ---------------------------------------------------------------------
                 Hydrograph in   5   Minute intervals ((CFS))

     ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0      100.0     200.0     300.0     400.0
-------------------------------------------------------------------------
  0+ 5       0.0241      3.50  Q        |         |         |         |
  0+10       0.1235     14.42  VQ       |         |         |         |
  0+15       0.2652     20.58  V Q      |         |         |         |
  0+20       0.4243     23.10  V Q      |         |         |         |
  0+25       0.5925     24.43  V Q      |         |         |         |
  0+30       0.7752     26.52  V Q      |         |         |         |
  0+35       0.9866     30.70  V  Q     |         |         |         |
```

```
0+40       1.2097     32.38  |V Q      |         |         |         |
0+45       1.4389     33.28  |V Q      |         |         |         |
0+50       1.6708     33.68  |V Q      |         |         |         |
0+55       1.9042     33.89  |V Q      |         |         |         |
1+ 0       2.1474     35.30  |V Q      |         |         |         |
1+ 5       2.4162     39.03  | VQ      |         |         |         |
1+10       2.6947     40.44  | V Q     |         |         |         |
1+15       2.9772     41.02  | V Q     |         |         |         |
1+20       3.2621     41.36  |  VQ     |         |         |         |
1+25       3.5484     41.58  |  VQ     |         |         |         |
1+30       3.8358     41.72  |  VQ     |         |         |         |
1+35       4.1237     41.81  |  VQ     |         |         |         |
1+40       4.4123     41.90  |   Q     |         |         |         |
1+45       4.7009     41.90  |   Q     |         |         |         |
1+50       4.9895     41.90  |   Q     |         |         |         |
1+55       5.2781     41.90  |   Q     |         |         |         |
2+ 0       5.5755     43.17  |   QV    |         |         |         |
2+ 5       5.8891     45.54  |   QV    |         |         |         |
2+10       6.1955     44.49  |   QV    |         |         |         |
2+15       6.5218     47.38  |   Q V   |         |         |         |
2+20       6.8556     48.46  |   Q V   |         |         |         |
2+25       7.1925     48.92  |   Q V   |         |         |         |
2+30       7.5313     49.19  |   Q V   |         |         |         |
2+35       7.8712     49.35  |   Q  V  |         |         |         |
2+40       8.2121     49.50  |   Q  V  |         |         |         |
2+45       8.5617     50.76  |    Q V  |         |         |         |
2+50       8.9369     54.49  |    Q  V |         |         |         |
2+55       9.3213     55.81  |    Q  V |         |         |         |
3+ 0       9.7096     56.39  |    Q  V |         |         |         |
3+ 5      10.1003     56.73  |    Q   V|         |         |         |
3+10      10.5012     58.21  |    Q   V|         |         |         |
3+15      10.9281     61.98  |     Q   V         |         |         |
3+20      11.3647     63.40  |     Q   V         |         |         |
3+25      11.8147     65.34  |     Q   V         |         |         |
3+30      12.3007     70.57  |      Q  |V        |         |         |
3+35      12.8311     77.01  |      Q  |V        |         |         |
3+40      13.4006     82.69  |       Q | V       |         |         |
3+45      13.9948     86.29  |       Q | V       |         |         |
3+50      14.6226     91.15  |        Q|  V      |         |         |
3+55      15.2729     94.43  |        Q|   V     |         |         |
4+ 0      15.9554     99.10  |        Q|   V     |         |         |
4+ 5      16.6603    102.35  |         Q    V    |         |         |
4+10      17.4057    108.23  |         Q     V   |         |         |
4+15      18.1979    115.02  |         |Q    V   |         |         |
4+20      19.0390    122.13  |         | Q    V  |         |         |
4+25      19.9309    129.51  |         | Q     V |         |         |
4+30      20.8654    135.69  |         |  Q     V|         |         |
4+35      21.8272    139.65  |         |  Q      V         |         |
4+40      22.8321    145.92  |         |   Q     |V        |         |
4+45      23.8860    153.02  |         |    Q    | V       |         |
4+50      24.9817    159.10  |         |    Q    |  V      |         |
4+55      26.1038    162.93  |         |     Q   |   V     |         |
5+ 0      27.2687    169.15  |         |     Q   |    V    |         |
5+ 5      28.5168    181.22  |         |       Q |     V   |         |
5+10      29.9497    208.06  |         |         Q      V  |         |
5+15      31.5880    237.88  |         |         |  Q     V|         |
5+20      33.3982    262.83  |         |         |     Q   V         |
5+25      35.3890    289.07  |         |         |       Q | V       |
5+30      37.6433    327.33  |         |         |         | Q V     |
5+35      39.8785    324.55  |         |         |         | Q   V   |
5+40      41.2233    195.27  |         |        Q|         |      V  |
5+45      42.0162    115.14  |         |Q        |         |       V |
5+50      42.5249     73.86  |      Q  |         |         |        V|
5+55      42.8758     50.95  |    Q    |         |         |        V|
6+ 0      43.1120     34.29  |  Q      |         |         |        V|
6+ 5      43.2618     21.75  | Q       |         |         |        V|
6+10      43.3404     11.41  |Q        |         |         |        V|
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    6+15      43.3706      4.39  Q         |         |         |        V|
    6+20      43.3847      2.04  Q         |         |         |        V|
    6+25      43.3919      1.05  Q         |         |         |        V|
    6+30      43.3958      0.57  Q         |         |         |        V|
    6+35      43.3975      0.25  Q         |         |         |        V|
    6+40      43.3982      0.10  Q         |         |         |         V
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/21/21 File: RVUHH24100.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN J- PROPOSED UNIT HYDROGRAPH
100YR-24HR STORM

Drainage Area = 211.80(Ac.) = 0.331 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 211.80(Ac.) = 0.331 Sq. Mi.
Length along longest watercourse = 5201.00(Ft.)
Length along longest watercourse measured to centroid = 3594.40(Ft.)
Length along longest watercourse = 0.985 Mi.
Length along longest watercourse measured to centroid = 0.681 Mi.
Difference in elevation = 596.00(Ft.)
Slope along watercourse = 605.0529 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.092 Hr.
Lag time = 5.49 Min.
25% of lag time = 1.37 Min.
40% of lag time = 2.20 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	2.70	571.86

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
211.80	7.00	1482.60

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 7.000(In)
Areal adjustment factor = 99.96 %
Adjusted average point rain = 6.997(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
211.800	70.00	0.567

Total Area Entered = 211.80(Ac.)

RI AMC2	RI AMC-3	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      70.0  85.0      0.187     0.567        0.092       1.000      0.092
                                                          Sum (F) =   0.092
      Area averaged mean soil loss (F) (In/Hr) =  0.092
      Minimum soil loss rate ((In/Hr)) =  0.046
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.446
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083         90.993         16.472             35.161
          2   0.167        181.986         47.272            100.905
          3   0.250        272.979         17.216             36.747
          4   0.333        363.972          7.583             16.186
          5   0.417        454.965          4.374              9.337
          6   0.500        545.958          2.804              5.985
          7   0.583        636.951          1.895              4.045
          8   0.667        727.944          1.205              2.572
          9   0.750        818.937          1.179              2.517
                                   Sum = 100.000   Sum=     213.455
    ------------------------------------------------------------------------

     The following loss rate calculations reflect use of the minimum calculated loss
     rate subtracted from the Storm Rain to produce the maximum Effective Rain value

      Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
           (Hr.)  Percent   (In/Hr)          Max   |   Low         (In/Hr)
       1   0.08     0.07      0.056       (  0.162)       0.025        0.031
       2   0.17     0.07      0.056       (  0.162)       0.025        0.031
       3   0.25     0.07      0.056       (  0.161)       0.025        0.031
       4   0.33     0.10      0.084       (  0.160)       0.037        0.046
       5   0.42     0.10      0.084       (  0.160)       0.037        0.046
       6   0.50     0.10      0.084       (  0.159)       0.037        0.046
       7   0.58     0.10      0.084       (  0.159)       0.037        0.046
       8   0.67     0.10      0.084       (  0.158)       0.037        0.046
       9   0.75     0.10      0.084       (  0.157)       0.037        0.046
      10   0.83     0.13      0.112       (  0.157)       0.050        0.062
      11   0.92     0.13      0.112       (  0.156)       0.050        0.062
      12   1.00     0.13      0.112       (  0.155)       0.050        0.062
      13   1.08     0.10      0.084       (  0.155)       0.037        0.046
      14   1.17     0.10      0.084       (  0.154)       0.037        0.046
      15   1.25     0.10      0.084       (  0.154)       0.037        0.046
      16   1.33     0.10      0.084       (  0.153)       0.037        0.046
      17   1.42     0.10      0.084       (  0.152)       0.037        0.046
      18   1.50     0.10      0.084       (  0.152)       0.037        0.046
      19   1.58     0.10      0.084       (  0.151)       0.037        0.046
      20   1.67     0.10      0.084       (  0.151)       0.037        0.046
      21   1.75     0.10      0.084       (  0.150)       0.037        0.046
      22   1.83     0.13      0.112       (  0.149)       0.050        0.062
      23   1.92     0.13      0.112       (  0.149)       0.050        0.062
      24   2.00     0.13      0.112       (  0.148)       0.050        0.062
      25   2.08     0.13      0.112       (  0.148)       0.050        0.062
      26   2.17     0.13      0.112       (  0.147)       0.050        0.062
      27   2.25     0.13      0.112       (  0.146)       0.050        0.062
      28   2.33     0.13      0.112       (  0.146)       0.050        0.062
      29   2.42     0.13      0.112       (  0.145)       0.050        0.062
      30   2.50     0.13      0.112       (  0.145)       0.050        0.062
      31   2.58     0.17      0.140       (  0.144)       0.062        0.077
      32   2.67     0.17      0.140       (  0.143)       0.062        0.077
      33   2.75     0.17      0.140       (  0.143)       0.062        0.077
```

34	2.83	0.17	0.140	(	0.142)	0.062		0.077
35	2.92	0.17	0.140	(	0.142)	0.062		0.077
36	3.00	0.17	0.140	(	0.141)	0.062		0.077
37	3.08	0.17	0.140	(	0.141)	0.062		0.077
38	3.17	0.17	0.140	(	0.140)	0.062		0.077
39	3.25	0.17	0.140	(	0.139)	0.062		0.077
40	3.33	0.17	0.140	(	0.139)	0.062		0.077
41	3.42	0.17	0.140	(	0.138)	0.062		0.077
42	3.50	0.17	0.140	(	0.138)	0.062		0.077
43	3.58	0.17	0.140	(	0.137)	0.062		0.077
44	3.67	0.17	0.140	(	0.136)	0.062		0.077
45	3.75	0.17	0.140	(	0.136)	0.062		0.077
46	3.83	0.20	0.168	(	0.135)	0.075		0.093
47	3.92	0.20	0.168	(	0.135)	0.075		0.093
48	4.00	0.20	0.168	(	0.134)	0.075		0.093
49	4.08	0.20	0.168	(	0.134)	0.075		0.093
50	4.17	0.20	0.168	(	0.133)	0.075		0.093
51	4.25	0.20	0.168	(	0.132)	0.075		0.093
52	4.33	0.23	0.196	(	0.132)	0.087		0.108
53	4.42	0.23	0.196	(	0.131)	0.087		0.108
54	4.50	0.23	0.196	(	0.131)	0.087		0.108
55	4.58	0.23	0.196	(	0.130)	0.087		0.108
56	4.67	0.23	0.196	(	0.130)	0.087		0.108
57	4.75	0.23	0.196	(	0.129)	0.087		0.108
58	4.83	0.27	0.224	(	0.129)	0.100		0.124
59	4.92	0.27	0.224	(	0.128)	0.100		0.124
60	5.00	0.27	0.224	(	0.127)	0.100		0.124
61	5.08	0.20	0.168	(	0.127)	0.075		0.093
62	5.17	0.20	0.168	(	0.126)	0.075		0.093
63	5.25	0.20	0.168	(	0.126)	0.075		0.093
64	5.33	0.23	0.196	(	0.125)	0.087		0.108
65	5.42	0.23	0.196	(	0.125)	0.087		0.108
66	5.50	0.23	0.196	(	0.124)	0.087		0.108
67	5.58	0.27	0.224	(	0.124)	0.100		0.124
68	5.67	0.27	0.224	(	0.123)	0.100		0.124
69	5.75	0.27	0.224	(	0.122)	0.100		0.124
70	5.83	0.27	0.224	(	0.122)	0.100		0.124
71	5.92	0.27	0.224	(	0.121)	0.100		0.124
72	6.00	0.27	0.224	(	0.121)	0.100		0.124
73	6.08	0.30	0.252	(	0.120)	0.112		0.139
74	6.17	0.30	0.252	(	0.120)	0.112		0.139
75	6.25	0.30	0.252	(	0.119)	0.112		0.139
76	6.33	0.30	0.252	(	0.119)	0.112		0.139
77	6.42	0.30	0.252	(	0.118)	0.112		0.139
78	6.50	0.30	0.252	(	0.118)	0.112		0.139
79	6.58	0.33	0.280		0.117	(	0.125)	0.163
80	6.67	0.33	0.280		0.117	(	0.125)	0.163
81	6.75	0.33	0.280		0.116	(	0.125)	0.164
82	6.83	0.33	0.280		0.116	(	0.125)	0.164
83	6.92	0.33	0.280		0.115	(	0.125)	0.165
84	7.00	0.33	0.280		0.115	(	0.125)	0.165
85	7.08	0.33	0.280		0.114	(	0.125)	0.166
86	7.17	0.33	0.280		0.113	(	0.125)	0.166
87	7.25	0.33	0.280		0.113	(	0.125)	0.167
88	7.33	0.37	0.308		0.112	(	0.137)	0.195
89	7.42	0.37	0.308		0.112	(	0.137)	0.196
90	7.50	0.37	0.308		0.111	(	0.137)	0.196
91	7.58	0.40	0.336		0.111	(	0.150)	0.225
92	7.67	0.40	0.336		0.110	(	0.150)	0.225
93	7.75	0.40	0.336		0.110	(	0.150)	0.226
94	7.83	0.43	0.364		0.109	(	0.162)	0.254
95	7.92	0.43	0.364		0.109	(	0.162)	0.255
96	8.00	0.43	0.364		0.108	(	0.162)	0.255
97	8.08	0.50	0.420		0.108	(	0.187)	0.312
98	8.17	0.50	0.420		0.107	(	0.187)	0.312
99	8.25	0.50	0.420		0.107	(	0.187)	0.313
100	8.33	0.50	0.420		0.106	(	0.187)	0.313

101	8.42	0.50	0.420	0.106	(0.187)	0.314
102	8.50	0.50	0.420	0.105	(0.187)	0.314
103	8.58	0.53	0.448	0.105	(0.200)	0.343
104	8.67	0.53	0.448	0.104	(0.200)	0.343
105	8.75	0.53	0.448	0.104	(0.200)	0.344
106	8.83	0.57	0.476	0.103	(0.212)	0.372
107	8.92	0.57	0.476	0.103	(0.212)	0.373
108	9.00	0.57	0.476	0.102	(0.212)	0.373
109	9.08	0.63	0.532	0.102	(0.237)	0.430
110	9.17	0.63	0.532	0.101	(0.237)	0.430
111	9.25	0.63	0.532	0.101	(0.237)	0.431
112	9.33	0.67	0.560	0.100	(0.250)	0.459
113	9.42	0.67	0.560	0.100	(0.250)	0.460
114	9.50	0.67	0.560	0.100	(0.250)	0.460
115	9.58	0.70	0.588	0.099	(0.262)	0.489
116	9.67	0.70	0.588	0.099	(0.262)	0.489
117	9.75	0.70	0.588	0.098	(0.262)	0.490
118	9.83	0.73	0.616	0.098	(0.275)	0.518
119	9.92	0.73	0.616	0.097	(0.275)	0.519
120	10.00	0.73	0.616	0.097	(0.275)	0.519
121	10.08	0.50	0.420	0.096	(0.187)	0.324
122	10.17	0.50	0.420	0.096	(0.187)	0.324
123	10.25	0.50	0.420	0.095	(0.187)	0.325
124	10.33	0.50	0.420	0.095	(0.187)	0.325
125	10.42	0.50	0.420	0.094	(0.187)	0.325
126	10.50	0.50	0.420	0.094	(0.187)	0.326
127	10.58	0.67	0.560	0.093	(0.250)	0.466
128	10.67	0.67	0.560	0.093	(0.250)	0.467
129	10.75	0.67	0.560	0.093	(0.250)	0.467
130	10.83	0.67	0.560	0.092	(0.250)	0.468
131	10.92	0.67	0.560	0.092	(0.250)	0.468
132	11.00	0.67	0.560	0.091	(0.250)	0.469
133	11.08	0.63	0.532	0.091	(0.237)	0.441
134	11.17	0.63	0.532	0.090	(0.237)	0.441
135	11.25	0.63	0.532	0.090	(0.237)	0.442
136	11.33	0.63	0.532	0.089	(0.237)	0.442
137	11.42	0.63	0.532	0.089	(0.237)	0.443
138	11.50	0.63	0.532	0.089	(0.237)	0.443
139	11.58	0.57	0.476	0.088	(0.212)	0.388
140	11.67	0.57	0.476	0.088	(0.212)	0.388
141	11.75	0.57	0.476	0.087	(0.212)	0.389
142	11.83	0.60	0.504	0.087	(0.225)	0.417
143	11.92	0.60	0.504	0.086	(0.225)	0.417
144	12.00	0.60	0.504	0.086	(0.225)	0.418
145	12.08	0.83	0.700	0.085	(0.312)	0.614
146	12.17	0.83	0.700	0.085	(0.312)	0.615
147	12.25	0.83	0.700	0.085	(0.312)	0.615
148	12.33	0.87	0.728	0.084	(0.325)	0.643
149	12.42	0.87	0.728	0.084	(0.325)	0.644
150	12.50	0.87	0.728	0.083	(0.325)	0.644
151	12.58	0.93	0.784	0.083	(0.350)	0.701
152	12.67	0.93	0.784	0.083	(0.350)	0.701
153	12.75	0.93	0.784	0.082	(0.350)	0.702
154	12.83	0.97	0.812	0.082	(0.362)	0.730
155	12.92	0.97	0.812	0.081	(0.362)	0.730
156	13.00	0.97	0.812	0.081	(0.362)	0.731
157	13.08	1.13	0.952	0.080	(0.425)	0.871
158	13.17	1.13	0.952	0.080	(0.425)	0.872
159	13.25	1.13	0.952	0.080	(0.425)	0.872
160	13.33	1.13	0.952	0.079	(0.425)	0.872
161	13.42	1.13	0.952	0.079	(0.425)	0.873
162	13.50	1.13	0.952	0.078	(0.425)	0.873
163	13.58	0.77	0.644	0.078	(0.287)	0.566
164	13.67	0.77	0.644	0.078	(0.287)	0.566
165	13.75	0.77	0.644	0.077	(0.287)	0.566
166	13.83	0.77	0.644	0.077	(0.287)	0.567
167	13.92	0.77	0.644	0.076	(0.287)	0.567

168	14.00	0.77	0.644	0.076	(0.287)	0.568
169	14.08	0.90	0.756	0.076	(0.337)	0.680
170	14.17	0.90	0.756	0.075	(0.337)	0.680
171	14.25	0.90	0.756	0.075	(0.337)	0.681
172	14.33	0.87	0.728	0.075	(0.325)	0.653
173	14.42	0.87	0.728	0.074	(0.325)	0.654
174	14.50	0.87	0.728	0.074	(0.325)	0.654
175	14.58	0.87	0.728	0.073	(0.325)	0.654
176	14.67	0.87	0.728	0.073	(0.325)	0.655
177	14.75	0.87	0.728	0.073	(0.325)	0.655
178	14.83	0.83	0.700	0.072	(0.312)	0.627
179	14.92	0.83	0.700	0.072	(0.312)	0.628
180	15.00	0.83	0.700	0.072	(0.312)	0.628
181	15.08	0.80	0.672	0.071	(0.300)	0.601
182	15.17	0.80	0.672	0.071	(0.300)	0.601
183	15.25	0.80	0.672	0.070	(0.300)	0.601
184	15.33	0.77	0.644	0.070	(0.287)	0.574
185	15.42	0.77	0.644	0.070	(0.287)	0.574
186	15.50	0.77	0.644	0.069	(0.287)	0.574
187	15.58	0.63	0.532	0.069	(0.237)	0.463
188	15.67	0.63	0.532	0.069	(0.237)	0.463
189	15.75	0.63	0.532	0.068	(0.237)	0.463
190	15.83	0.63	0.532	0.068	(0.237)	0.464
191	15.92	0.63	0.532	0.068	(0.237)	0.464
192	16.00	0.63	0.532	0.067	(0.237)	0.465
193	16.08	0.13	0.112	(0.067)	0.050	0.062
194	16.17	0.13	0.112	(0.067)	0.050	0.062
195	16.25	0.13	0.112	(0.066)	0.050	0.062
196	16.33	0.13	0.112	(0.066)	0.050	0.062
197	16.42	0.13	0.112	(0.066)	0.050	0.062
198	16.50	0.13	0.112	(0.065)	0.050	0.062
199	16.58	0.10	0.084	(0.065)	0.037	0.046
200	16.67	0.10	0.084	(0.065)	0.037	0.046
201	16.75	0.10	0.084	(0.064)	0.037	0.046
202	16.83	0.10	0.084	(0.064)	0.037	0.046
203	16.92	0.10	0.084	(0.064)	0.037	0.046
204	17.00	0.10	0.084	(0.063)	0.037	0.046
205	17.08	0.17	0.140	(0.063)	0.062	0.077
206	17.17	0.17	0.140	(0.063)	0.062	0.077
207	17.25	0.17	0.140	0.062	(0.062)	0.078
208	17.33	0.17	0.140	0.062	(0.062)	0.078
209	17.42	0.17	0.140	0.062	(0.062)	0.078
210	17.50	0.17	0.140	0.061	(0.062)	0.079
211	17.58	0.17	0.140	0.061	(0.062)	0.079
212	17.67	0.17	0.140	0.061	(0.062)	0.079
213	17.75	0.17	0.140	0.060	(0.062)	0.079
214	17.83	0.13	0.112	(0.060)	0.050	0.062
215	17.92	0.13	0.112	(0.060)	0.050	0.062
216	18.00	0.13	0.112	(0.060)	0.050	0.062
217	18.08	0.13	0.112	(0.059)	0.050	0.062
218	18.17	0.13	0.112	(0.059)	0.050	0.062
219	18.25	0.13	0.112	(0.059)	0.050	0.062
220	18.33	0.13	0.112	(0.058)	0.050	0.062
221	18.42	0.13	0.112	(0.058)	0.050	0.062
222	18.50	0.13	0.112	(0.058)	0.050	0.062
223	18.58	0.10	0.084	(0.058)	0.037	0.046
224	18.67	0.10	0.084	(0.057)	0.037	0.046
225	18.75	0.10	0.084	(0.057)	0.037	0.046
226	18.83	0.07	0.056	(0.057)	0.025	0.031
227	18.92	0.07	0.056	(0.056)	0.025	0.031
228	19.00	0.07	0.056	(0.056)	0.025	0.031
229	19.08	0.10	0.084	(0.056)	0.037	0.046
230	19.17	0.10	0.084	(0.056)	0.037	0.046
231	19.25	0.10	0.084	(0.055)	0.037	0.046
232	19.33	0.13	0.112	(0.055)	0.050	0.062
233	19.42	0.13	0.112	(0.055)	0.050	0.062
234	19.50	0.13	0.112	(0.055)	0.050	0.062

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235  19.58     0.10      0.084       (  0.054)       0.037        0.046
236  19.67     0.10      0.084       (  0.054)       0.037        0.046
237  19.75     0.10      0.084       (  0.054)       0.037        0.046
238  19.83     0.07      0.056       (  0.054)       0.025        0.031
239  19.92     0.07      0.056       (  0.053)       0.025        0.031
240  20.00     0.07      0.056       (  0.053)       0.025        0.031
241  20.08     0.10      0.084       (  0.053)       0.037        0.046
242  20.17     0.10      0.084       (  0.053)       0.037        0.046
243  20.25     0.10      0.084       (  0.052)       0.037        0.046
244  20.33     0.10      0.084       (  0.052)       0.037        0.046
245  20.42     0.10      0.084       (  0.052)       0.037        0.046
246  20.50     0.10      0.084       (  0.052)       0.037        0.046
247  20.58     0.10      0.084       (  0.052)       0.037        0.046
248  20.67     0.10      0.084       (  0.051)       0.037        0.046
249  20.75     0.10      0.084       (  0.051)       0.037        0.046
250  20.83     0.07      0.056       (  0.051)       0.025        0.031
251  20.92     0.07      0.056       (  0.051)       0.025        0.031
252  21.00     0.07      0.056       (  0.051)       0.025        0.031
253  21.08     0.10      0.084       (  0.050)       0.037        0.046
254  21.17     0.10      0.084       (  0.050)       0.037        0.046
255  21.25     0.10      0.084       (  0.050)       0.037        0.046
256  21.33     0.07      0.056       (  0.050)       0.025        0.031
257  21.42     0.07      0.056       (  0.050)       0.025        0.031
258  21.50     0.07      0.056       (  0.049)       0.025        0.031
259  21.58     0.10      0.084       (  0.049)       0.037        0.046
260  21.67     0.10      0.084       (  0.049)       0.037        0.046
261  21.75     0.10      0.084       (  0.049)       0.037        0.046
262  21.83     0.07      0.056       (  0.049)       0.025        0.031
263  21.92     0.07      0.056       (  0.049)       0.025        0.031
264  22.00     0.07      0.056       (  0.048)       0.025        0.031
265  22.08     0.10      0.084       (  0.048)       0.037        0.046
266  22.17     0.10      0.084       (  0.048)       0.037        0.046
267  22.25     0.10      0.084       (  0.048)       0.037        0.046
268  22.33     0.07      0.056       (  0.048)       0.025        0.031
269  22.42     0.07      0.056       (  0.048)       0.025        0.031
270  22.50     0.07      0.056       (  0.047)       0.025        0.031
271  22.58     0.07      0.056       (  0.047)       0.025        0.031
272  22.67     0.07      0.056       (  0.047)       0.025        0.031
273  22.75     0.07      0.056       (  0.047)       0.025        0.031
274  22.83     0.07      0.056       (  0.047)       0.025        0.031
275  22.92     0.07      0.056       (  0.047)       0.025        0.031
276  23.00     0.07      0.056       (  0.047)       0.025        0.031
277  23.08     0.07      0.056       (  0.047)       0.025        0.031
278  23.17     0.07      0.056       (  0.046)       0.025        0.031
279  23.25     0.07      0.056       (  0.046)       0.025        0.031
280  23.33     0.07      0.056       (  0.046)       0.025        0.031
281  23.42     0.07      0.056       (  0.046)       0.025        0.031
282  23.50     0.07      0.056       (  0.046)       0.025        0.031
283  23.58     0.07      0.056       (  0.046)       0.025        0.031
284  23.67     0.07      0.056       (  0.046)       0.025        0.031
285  23.75     0.07      0.056       (  0.046)       0.025        0.031
286  23.83     0.07      0.056       (  0.046)       0.025        0.031
287  23.92     0.07      0.056       (  0.046)       0.025        0.031
288  24.00     0.07      0.056       (  0.046)       0.025        0.031
            (Loss Rate Not Used)
    Sum =     100.0                                    Sum =    64.8
      Flood volume = Effective rainfall      5.40(In)
       times area     211.8(Ac.)/[(In)/(Ft.)] =      95.4(Ac.Ft)
      Total soil loss =      1.59(In)
      Total soil loss =    28.118(Ac.Ft)
      Total rainfall =      7.00(In)
      Flood volume =     4154774.7 Cubic Feet
      Total soil loss =     1224836.9 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =    185.058(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	50.0	100.0	150.0	200.0
0+ 5	0.0075	1.09	Q				
0+10	0.0366	4.22	Q				
0+15	0.0735	5.36	VQ				
0+20	0.1176	6.40	VQ				
0+25	0.1745	8.26	VQ				
0+30	0.2365	9.01	VQ				
0+35	0.3012	9.39	VQ				
0+40	0.3674	9.61	VQ				
0+45	0.4348	9.79	VQ				
0+50	0.5064	10.39	V Q				
0+55	0.5890	12.00	V Q				
1+ 0	0.6758	12.61	V Q				
1+ 5	0.7606	12.31	V Q				
1+10	0.8357	10.89	V Q				
1+15	0.9074	10.42	V Q				
1+20	0.9778	10.23	V Q				
1+25	1.0475	10.12	V Q				
1+30	1.1169	10.07	V Q				
1+35	1.1858	10.01	V Q				
1+40	1.2544	9.97	VQ				
1+45	1.3228	9.93	VQ				
1+50	1.3949	10.47	V Q				
1+55	1.4778	12.04	V Q				
2+ 0	1.5646	12.61	V Q				
2+ 5	1.6532	12.86	V Q				
2+10	1.7427	13.00	V Q				
2+15	1.8329	13.09	V Q				
2+20	1.9235	13.16	V Q				
2+25	2.0144	13.20	V Q				
2+30	2.1056	13.24	V Q				
2+35	2.2005	13.78	V Q				
2+40	2.3062	15.35	V Q				
2+45	2.4158	15.92	|V Q				
2+50	2.5271	16.17	|V Q				
2+55	2.6395	16.31	|V Q				
3+ 0	2.7524	16.40	|V Q				
3+ 5	2.8658	16.47	|V Q				
3+10	2.9795	16.51	|V Q				
3+15	3.0935	16.55	|V Q				
3+20	3.2074	16.55	|V Q				
3+25	3.3214	16.55	|V Q				
3+30	3.4353	16.55	|V Q				
3+35	3.5493	16.55	|V Q				
3+40	3.6632	16.55	|V Q				
3+45	3.7772	16.55	|V Q				
3+50	3.8949	17.09	|V Q				
3+55	4.0233	18.65	|V Q				
4+ 0	4.1557	19.22	|V Q				
4+ 5	4.2899	19.48	|V Q				
4+10	4.4250	19.62	|V Q				
4+15	4.5607	19.71	|V Q				
4+20	4.7007	20.32	|V Q				
4+25	4.8517	21.92	| V Q				
4+30	5.0069	22.53	| V Q				
4+35	5.1638	22.78	| V Q				
4+40	5.3217	22.93	| V Q				
4+45	5.4803	23.02	| V Q				
4+50	5.6430	23.63	| V Q				
4+55	5.8168	25.23	| V Q				

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 5+ 0      5.9948     25.84  | V  Q    |          |          |          |
 5+ 5      6.1670     25.00  | V  Q    |          |          |          |
 5+10      6.3186     22.02  | V Q     |          |          |          |
 5+15      6.4630     20.97  | V Q     |          |          |          |
 5+20      6.6082     21.08  | V Q     |          |          |          |
 5+25      6.7624     22.39  | V Q     |          |          |          |
 5+30      6.9196     22.82  | V Q     |          |          |          |
 5+35      7.0813     23.49  | V Q     |          |          |          |
 5+40      7.2543     25.12  |  V Q    |          |          |          |
 5+45      7.4313     25.70  |  V Q    |          |          |          |
 5+50      7.6105     26.01  |  V Q    |          |          |          |
 5+55      7.7909     26.20  |  V Q    |          |          |          |
 6+ 0      7.9723     26.33  |  V Q    |          |          |          |
 6+ 5      8.1578     26.94  |  V Q    |          |          |          |
 6+10      8.3544     28.54  |  V Q    |          |          |          |
 6+15      8.5551     29.15  |  V Q    |          |          |          |
 6+20      8.7576     29.40  |  V Q    |          |          |          |
 6+25      8.9611     29.55  |  V Q    |          |          |          |
 6+30      9.1653     29.64  |  V Q    |          |          |          |
 6+35      9.3755     30.52  |  V  Q   |          |          |          |
 6+40      9.6023     32.93  |   V Q   |          |          |          |
 6+45      9.8357     33.90  |   V Q   |          |          |          |
 6+50     10.0724     34.37  |   V Q   |          |          |          |
 6+55     10.3113     34.68  |   V Q   |          |          |          |
 7+ 0     10.5518     34.93  |   V Q   |          |          |          |
 7+ 5     10.7937     35.13  |   V  Q  |          |          |          |
 7+10     11.0368     35.30  |   V  Q  |          |          |          |
 7+15     11.2811     35.46  |   V  Q  |          |          |          |
 7+20     11.5329     36.56  |   V  Q  |          |          |          |
 7+25     11.8049     39.50  |   V  Q  |          |          |          |
 7+30     12.0847     40.63  |    V  Q |          |          |          |
 7+35     12.3752     42.18  |    V  Q |          |          |          |
 7+40     12.6878     45.38  |    V   Q|          |          |          |
 7+45     13.0093     46.69  |    V   Q|          |          |          |
 7+50     13.3422     48.35  |    V   Q|          |          |          |
 7+55     13.6977     51.61  |    V    Q          |          |          |
 8+ 0     14.0626     52.99  |    V    Q          |          |          |
 8+ 5     14.4458     55.63  |     V   |Q         |          |          |
 8+10     14.8709     61.72  |     V   | Q        |          |          |
 8+15     15.3125     64.13  |     V   | Q        |          |          |
 8+20     15.7619     65.25  |     V   |  Q       |          |          |
 8+25     16.2162     65.96  |     V   |  Q       |          |          |
 8+30     16.6739     66.47  |     V   |  Q       |          |          |
 8+35     17.1408     67.79  |      V  |  Q       |          |          |
 8+40     17.6288     70.86  |      V  |   Q      |          |          |
 8+45     18.1256     72.14  |      V  |   Q      |          |          |
 8+50     18.6331     73.68  |      V  |   Q      |          |          |
 8+55     19.1625     76.87  |       V |    Q     |          |          |
 9+ 0     19.7009     78.17  |       V |    Q     |          |          |
 9+ 5     20.2574     80.81  |       V |     Q    |          |          |
 9+10     20.8559     86.90  |       V |      Q   |          |          |
 9+15     21.4709     89.30  |        V|      Q   |          |          |
 9+20     22.1005     91.41  |        V|       Q  |          |          |
 9+25     22.7543     94.93  |        V|       Q  |          |          |
 9+30     23.4187     96.47  |        V|        Q|          |          |
 9+35     24.0952     98.24  |         V        Q|          |          |
 9+40     24.7947    101.57  |         V         Q          |          |
 9+45     25.5042    103.01  |         V         Q          |          |
 9+50     26.2250    104.66  |         V         Q          |          |
 9+55     26.9682    107.92  |         |V        |Q         |          |
10+ 0     27.7209    109.29  |         |V        |Q         |          |
10+ 5     28.4307    103.06  |         |V        Q          |          |
10+10     29.0073     83.72  |         | V   Q   |          |          |
10+15     29.5366     76.85  |         | V  Q    |          |          |
10+20     30.0455     73.89  |         | V Q     |          |          |
10+25     30.5430     72.23  |         | V Q     |          |          |
10+30     31.0335     71.23  |         |  VQ     |          |          |
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10+35      31.5532     75.46  |          |  V Q     |          |          |
10+40      32.1674     89.18  |          |  V   Q   |          |          |
10+45      32.8143     93.93  |          |  V    Q  |          |          |
10+50      33.4775     96.29  |          |   V    Q |          |          |
10+55      34.1504     97.70  |          |   V    Q |          |          |
11+ 0      34.8296     98.63  |          |   V    Q |          |          |
11+ 5      35.5067     98.31  |          |   V    Q |          |          |
11+10      36.1675     95.94  |          |    V   Q |          |          |
11+15      36.8242     95.36  |          |    V   Q |          |          |
11+20      37.4785     95.00  |          |    V   Q |          |          |
11+25      38.1317     94.84  |          |    V  Q  |          |          |
11+30      38.7843     94.76  |          |     V Q  |          |          |
11+35      39.4233     92.78  |          |     V Q  |          |          |
11+40      40.0234     87.15  |          |     VQ   |          |          |
11+45      40.6096     85.11  |          |      Q   |          |          |
11+50      41.1970     85.28  |          |      Q   |          |          |
11+55      41.8008     87.68  |          |      Q   |          |          |
12+ 0      42.4101     88.47  |          |      Q   |          |          |
12+ 5      43.0690     95.68  |          |       VQ |          |          |
12+10      43.8656    115.67  |          |       V  |  Q       |          |
12+15      44.7126    122.99  |          |       V  |   Q      |          |
12+20      45.5897    127.35  |          |        V |    Q     |          |
12+25      46.4999    132.17  |          |        V |     Q    |          |
12+30      47.4264    134.53  |          |        V |     Q    |          |
12+35      48.3757    137.84  |          |         V      Q   |          |
12+40      49.3698    144.34  |          |         V       Q  |          |
12+45      50.3832    147.15  |          |          |V       Q|          |
12+50      51.4111    149.24  |          |          |V       Q|          |
12+55      52.4631    152.75  |          |          | V       Q          |
13+ 0      53.5256    154.28  |          |          | V       Q          |
13+ 5      54.6274    159.97  |          |          | V       |Q         |
13+10      55.8298    174.59  |          |          |  V      |   Q      |
13+15      57.0703    180.13  |          |          |  V      |     Q    |
13+20      58.3279    182.60  |          |          |   V     |     Q    |
13+25      59.5955    184.06  |          |          |   V     |     Q    |
13+30      60.8700    185.06  |          |          |    V    |      Q   |
13+35      62.0744    174.88  |          |          |     V   |   Q      |
13+40      63.0679    144.24  |          |          |     V Q |          |
13+45      63.9863    133.36  |          |          |     Q   |          |
13+50      64.8710    128.46  |          |          |    Q V  |          |
13+55      65.7365    125.67  |          |          |    Q V  |          |
14+ 0      66.5899    123.91  |          |          |   Q  V  |          |
14+ 5      67.4624    126.69  |          |          |    Q  V |          |
14+10      68.4078    137.28  |          |          |      QV |          |
14+15      69.3768    140.70  |          |          |       QV|          |
14+20      70.3521    141.61  |          |          |       QV|          |
14+25      71.3157    139.92  |          |          |      Q V|          |
14+30      72.2774    139.64  |          |          |      Q  V          |
14+35      73.2397    139.72  |          |          |      Q  V          |
14+40      74.2027    139.83  |          |          |      Q  |V         |
14+45      75.1670    140.02  |          |          |       Q |V         |
14+50      76.1244    139.00  |          |          |      Q  |V         |
14+55      77.0623    136.19  |          |          |      Q  | V        |
15+ 0      77.9932    135.17  |          |          |      Q  | V        |
15+ 5      78.9147    133.81  |          |          |     Q   |  V       |
15+10      79.8155    130.80  |          |          |     Q   |  V       |
15+15      80.7087    129.68  |          |          |    Q    |  V       |
15+20      81.5916    128.21  |          |          |    Q    |   V      |
15+25      82.4534    125.13  |          |          |    Q    |   V      |
15+30      83.3069    123.94  |          |          |   Q     |   V      |
15+35      84.1300    119.51  |          |          |  Q      |    V     |
15+40      84.8734    107.95  |          |          |Q        |    V     |
15+45      85.5874    103.67  |          |         Q        |    V     |
15+50      86.2886    101.82  |          |         Q        |     V    |
15+55      86.9826    100.77  |          |         Q        |     V    |
16+ 0      87.6721    100.11  |          |         Q        |     V    |
16+ 5      88.2613     85.56  |          |      Q   |       |      V   |
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16+10      88.5689     44.65  |        Q |          |          |       V  |
16+15      88.7726     29.59  |     Q    |          |          |       V  |
16+20      88.9315     23.08  |    Q     |          |          |       V  |
16+25      89.0646     19.32  |  Q       |          |          |       V  |
16+30      89.1811     16.91  |  Q       |          |          |       V  |
16+35      89.2826     14.74  | Q        |          |          |       V  |
16+40      89.3662     12.14  | Q        |          |          |       V  |
16+45      89.4389     10.56  | Q        |          |          |       V  |
16+50      89.5099     10.31  | Q        |          |          |       V  |
16+55      89.5799     10.16  | Q        |          |          |       V  |
17+ 0      89.6492     10.07  | Q        |          |          |       V  |
17+ 5      89.7256     11.10  | Q        |          |          |       V  |
17+10      89.8233     14.18  | Q        |          |          |       V  |
17+15      89.9286     15.29  |  Q       |          |          |       V  |
17+20      90.0376     15.82  |  Q       |          |          |       V  |
17+25      90.1489     16.16  |  Q       |          |          |       V  |
17+30      90.2618     16.40  |  Q       |          |          |       V  |
17+35      90.3761     16.59  |  Q       |          |          |       V  |
17+40      90.4913     16.73  |  Q       |          |          |       V  |
17+45      90.6074     16.87  |  Q       |          |          |       V  |
17+50      90.7198     16.31  |  Q       |          |          |        V |
17+55      90.8200     14.56  | Q        |          |          |        V |
18+ 0      90.9160     13.93  | Q        |          |          |        V |
18+ 5      91.0100     13.65  | Q        |          |          |        V |
18+10      91.1030     13.50  | Q        |          |          |        V |
18+15      91.1952     13.39  | Q        |          |          |        V |
18+20      91.2870     13.32  | Q        |          |          |        V |
18+25      91.3785     13.28  | Q        |          |          |        V |
18+30      91.4696     13.24  | Q        |          |          |        V |
18+35      91.5570     12.69  | Q        |          |          |        V |
18+40      91.6336     11.13  | Q        |          |          |        V |
18+45      91.7064     10.56  | Q        |          |          |        V |
18+50      91.7736      9.76  |Q         |          |          |        V |
18+55      91.8290      8.05  |Q         |          |          |        V |
19+ 0      91.8799      7.39  |Q         |          |          |        V |
19+ 5      91.9324      7.62  |Q         |          |          |        V |
19+10      91.9944      9.00  |Q         |          |          |        V |
19+15      92.0594      9.44  |Q         |          |          |        V |
19+20      92.1295     10.17  | Q        |          |          |        V |
19+25      92.2110     11.84  | Q        |          |          |        V |
19+30      92.2969     12.46  | Q        |          |          |        V |
19+35      92.3811     12.23  | Q        |          |          |        V |
19+40      92.4559     10.85  | Q        |          |          |        V |
19+45      92.5276     10.42  | Q        |          |          |        V |
19+50      92.5943      9.68  |Q         |          |          |        V |
19+55      92.6495      8.01  |Q         |          |          |        V |
20+ 0      92.7004      7.39  |Q         |          |          |        V |
20+ 5      92.7528      7.62  |Q         |          |          |        V |
20+10      92.8148      9.00  |Q         |          |          |        V |
20+15      92.8798      9.44  |Q         |          |          |        V |
20+20      92.9461      9.63  |Q         |          |          |        V |
20+25      93.0132      9.73  |Q         |          |          |         V|
20+30      93.0806      9.79  |Q         |          |          |         V|
20+35      93.1484      9.85  |Q         |          |          |         V|
20+40      93.2165      9.89  |Q         |          |          |         V|
20+45      93.2849      9.93  |Q         |          |          |         V|
20+50      93.3495      9.38  |Q         |          |          |         V|
20+55      93.4033      7.82  |Q         |          |          |         V|
21+ 0      93.4532      7.25  |Q         |          |          |         V|
21+ 5      93.5052      7.54  |Q         |          |          |         V|
21+10      93.5669      8.96  |Q         |          |          |         V|
21+15      93.6319      9.44  |Q         |          |          |         V|
21+20      93.6944      9.08  |Q         |          |          |         V|
21+25      93.7469      7.62  |Q         |          |          |         V|
21+30      93.7959      7.11  |Q         |          |          |         V|
21+35      93.8473      7.46  |Q         |          |          |         V|
21+40      93.9087      8.92  |Q         |          |          |         V|
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21+45	93.9737	9.44	|Q	|	|	|	V|
21+50	94.0363	9.08	|Q	|	|	|	V|
21+55	94.0888	7.62	|Q	|	|	|	V|
22+ 0	94.1377	7.11	|Q	|	|	|	V|
22+ 5	94.1891	7.46	|Q	|	|	|	V|
22+10	94.2506	8.92	|Q	|	|	|	V|
22+15	94.3156	9.44	|Q	|	|	|	V|
22+20	94.3781	9.08	|Q	|	|	|	V|
22+25	94.4306	7.62	|Q	|	|	|	V|
22+30	94.4796	7.11	|Q	|	|	|	V|
22+35	94.5272	6.92	|Q	|	|	|	V|
22+40	94.5741	6.81	|Q	|	|	|	V|
22+45	94.6207	6.76	|Q	|	|	|	V|
22+50	94.6668	6.70	|Q	|	|	|	V|
22+55	94.7127	6.66	|Q	|	|	|	V|
23+ 0	94.7583	6.62	|Q	|	|	|	V|
23+ 5	94.8038	6.62	|Q	|	|	|	V|
23+10	94.8494	6.62	|Q	|	|	|	V|
23+15	94.8950	6.62	|Q	|	|	|	V|
23+20	94.9406	6.62	|Q	|	|	|	V|
23+25	94.9861	6.62	|Q	|	|	|	V|
23+30	95.0317	6.62	|Q	|	|	|	V|
23+35	95.0773	6.62	|Q	|	|	|	V|
23+40	95.1229	6.62	|Q	|	|	|	V|
23+45	95.1685	6.62	|Q	|	|	|	V|
23+50	95.2140	6.62	|Q	|	|	|	V|
23+55	95.2596	6.62	|Q	|	|	|	V|
24+ 0	95.3052	6.62	|Q	|	|	|	V|
24+ 5	95.3433	5.53	|Q	|	|	|	V|
24+10	95.3598	2.40	Q	|	|	|	V|
24+15	95.3685	1.26	Q	|	|	|	V|
24+20	95.3737	0.76	Q	|	|	|	V|
24+25	95.3769	0.47	Q	|	|	|	V|
24+30	95.3789	0.28	Q	|	|	|	V|
24+35	95.3800	0.16	Q	|	|	|	V|
24+40	95.3805	0.08	Q	|	|	|	V|

FLOWBY ROUTING

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/22/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVUHH1100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 20
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 637.816 (CFS)
Total volume = 21.285 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

RIO VISTA DEVELOPMENT
BASIN J- FLOWBY
100YR-1HR STORM

Process from Point/Station 1.000 to Point/Station 2.000
**** FLOWBY BASIN ROUTING OR SPLIT FLOW ****

All flow in excess of 70.00(CFS) is diverted
into stream number 3
Total volume of excess flow diverted into flowby
basin (stream number 3) is 13.96(Ac.Ft)

P R I N T O F S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals (CFS)

Time(h+m)	Volume(Ac.Ft)	Q(CFS)	0 17.5 35.0 52.5 70.0
0+ 5	0.1023	14.85	V Q
0+10	0.5321	62.41	V Q
0+15	1.0142	70.00	V Q
0+20	1.4963	70.00	V Q
0+25	1.9784	70.00	V Q
0+30	2.4605	70.00	V Q
0+35	2.9426	70.00	V Q
0+40	3.4247	70.00	V Q
0+45	3.9068	70.00	V Q
0+50	4.3889	70.00	V Q
0+55	4.8710	70.00	V Q
1+ 0	5.3531	70.00	V Q
1+ 5	5.8352	70.00	V Q
1+10	6.3173	70.00	V Q
1+15	6.7343	60.56	Q V
1+20	7.0016	38.80	Q V
1+25	7.1718	24.73	Q V
1+30	7.2872	16.76	Q V
1+35	7.3140	3.88	Q V
1+40	7.3226	1.26	Q V

**********HYDROGRAPH DATA**********

Number of intervals = 20
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 70.000 (CFS)
Total volume = 7.323 (Ac.Ft)

```
       Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
       Peak (CFS)      0.000     0.000   567.816     0.000     0.000
       Vol (Ac.Ft)      0.000     0.000    13.962     0.000     0.000
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OUTFLOW ROUTING

DEPTH vs OUTFLOW CALCULATIONS

			HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	HOLES	WEIR		0.2
		No. of Holes →	**4**	**1**	0	0	0	0	0	**1**	← No. of Weir	
			HOLE C	**HOLE C**	HOLE C	HOLE C	HOLE C	HOLE C	HOLE C	WEIR		
		Discharge Coefficient →	**0.6**	**0.6**	0.6	0.6	0.6	0.6	0.6	**3.33**	← Weir Coefficient	
			HOLE FL	**HOLE FL**	HOLE FL	HOLE FL	HOLE FL	HOLE FL	HOLE FL	DIST TO WEIR		
Distance of Holes from Basin Bottom (in)		→	**0**	**69**	93	97	101	105	109	**96**	← Distance of Top of Weir from Basin Bottom (in)	
			HOLE R	**HOLE R**	HOLE R	HOLE R	HOLE R	HOLE R	HOLE R	WEIR LENGTH FT		
		Rect. Height (in) →	**4**	**6**	4	2	2	2	2	**24.000**	← **Riser Pipe Perimeter (ft) =8'X4' Riser Pipe**	
		Rect. Width (in) →	**5**	**14**	4	84	84	84	84			
			CEN EL	**CEN EL**	CEN EL	CEN EL	CEN EL	CEN EL	CEN EL	WEIR ELEV		
		Hole Centerline Elev (ft) →	988.16667	994	995.9167	996.16667	996.5	996.83333	997.167	**996.0**	← Top of Riser Elevation (ft)	
ELEV	DEPTH	OUTFLOW										
988.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
989.00	1	2.44	2.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
990.00	2	3.62	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
992.00	4	5.24	5.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
994.00	6	6.46	6.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
996.00	8	11.46	7.49	3.97	0.00	0.00	0.00	0.00	0.00	0.00		
997.00	9	92.74	7.95	4.86	0.00	0.00	0.00	0.00	0.00	79.92		
998.00	10	240.05	8.39	5.62	0.00	0.00	0.00	0.00	0.00	226.05		
999.00	11	430.36	8.80	6.28	0.00	0.00	0.00	0.00	0.00	415.28		

↑ [Σ FLOWS (HOLES+RISER)]

↑ (FLOW OVER TOP OF WEIR 1)

Note:

Orifice outflow is based on:

1. $Q=CA(2gH)^{0.5}$
   where:
   C = Coefficient, 0.6 used here
   A = Orifice Area
   H = Headwater

Weir flow is based on:

2. $Q=CLH^{1.5}$
   where:
   C = Coefficient, 3.33 used here
   L = Weir Length, Grate Perimeter was used here
   H = Headwater

RIO VISTA DEVELOPMENT, TR 37074
BASIN J
With 4@ 4"x5", 1@ 6"x14" Rectangular Orifice

STORAGE CAPACITY CALCULATION

Elevation (ft)	Contour Interval (ft)	Accumulate Depth (ft)	Area (sqft)	Area (acres)	Mean Area (acres)	Volume (ac-ft)	$Volume_{accumulat}$ (ac-ft)	$Volume_{accumulat}$ (cu-yd)	*Qout (cfs)
988.00			52492	1.21			**0.0**	0.0	**0.00**
989.00	1.00	**1.00**	56623	1.30	1.25	1.25	**1.25**	2020.65	**2.44**
990.00	1.00	**2.00**	60853	1.40	1.35	1.35	**2.60**	4196.13	**3.62**
992.00	2.00	**4.00**	69626	1.60	1.50	3.00	**5.60**	9028.69	**5.24**
994.00	2.00	**6.00**	78791	1.81	1.70	3.41	**9.00**	14525.61	**6.46**
996.00	2.00	**8.00**	88368	2.03	1.92	3.84	**12.84**	20716.69	**11.46**
997.00	1.00	**9.00**	93311	2.14	2.09	2.09	**14.93**	24081.11	**92.74**
998.00	1.00	**10.00**	98357	2.26	2.20	2.20	**17.13**	27630.52	**240.05**
999.00	1.00 **SPILLWAY CREST**	**11.00**	103503	2.38	2.32	2.32	**19.44**	31368.67	**430.36**

*** SEE RATING CURVE**

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/29/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: BASIN110.rte
********** Hydrograph Information **********
From manual input hydrograph

**********HYDROGRAPH DATA**********

Number of intervals = 9
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 344.590 (CFS)
Total volume = 6.914 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN J-ROUTING, BASED ON MANUAL UH WITH REDUCED PEAK BY 70CFS
DUE TO FLOW BY OF 70CFS BOWNSTREAM.
10YR-1HR STORM

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Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 9
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.250	2.440	1.242	1.258
2.000	2.600	3.620	2.588	2.612
4.000	5.600	5.240	5.582	5.618
6.000	9.000	6.460	8.978	9.022
8.000	12.840	11.460	12.801	12.879
9.000	14.930	92.740	14.611	15.249
10.000	17.130	240.050	16.303	17.957

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	86.1	172.29	258.44	344.59 (Ft.)

0.083	7.27	0.05	0.025	O					0.02
0.167	19.23	0.22	0.115	OI					0.09
0.250	35.71	0.59	0.302	O I					0.24
0.333	55.14	1.19	0.608	O I					0.49
0.417	99.86	2.21	1.130	O	I				0.90
0.500	226.33	3.30	2.235	O			I		1.73
0.583	344.59	4.47	4.174	O				I	3.05
0.667	158.63	5.34	5.873	O		I			4.16
0.750	57.21	5.59	6.579	O I					4.58
0.833	0.00	**5.65**	**6.737**	**O**					**4.67**
0.917	0.00	5.63	6.698	O					4.65
1.000	0.00	5.62	6.659	O					4.62
1.083	0.00	5.61	6.621	O					4.60
1.167	0.00	5.59	6.582	O					4.58
1.250	0.00	5.58	6.544	O					4.56
1.333	0.00	5.56	6.505	O					4.53
1.417	0.00	5.55	6.467	O					4.51
1.500	0.00	5.54	6.429	O					4.49
1.583	0.00	5.52	6.391	O					4.47
1.667	0.00	5.51	6.353	O					4.44
1.750	0.00	5.50	6.315	O					4.42
1.833	0.00	5.48	6.277	O					4.40
1.917	0.00	5.47	6.239	O					4.38
2.000	0.00	5.46	6.202	O					4.35
2.083	0.00	5.44	6.164	O					4.33
2.167	0.00	5.43	6.127	O					4.31
2.250	0.00	5.42	6.089	O					4.29
2.333	0.00	5.40	6.052	O					4.27
2.417	0.00	5.39	6.015	O					4.24
2.500	0.00	5.38	5.978	O					4.22
2.583	0.00	5.36	5.941	O					4.20
2.667	0.00	5.35	5.904	O					4.18
2.750	0.00	5.34	5.867	O					4.16
2.833	0.00	5.32	5.830	O					4.14
2.917	0.00	5.31	5.794	O					4.11
3.000	0.00	5.30	5.757	O					4.09
3.083	0.00	5.28	5.721	O					4.07
3.167	0.00	5.27	5.685	O					4.05
3.250	0.00	5.26	5.648	O					4.03
3.333	0.00	5.24	5.612	O					4.01
3.417	0.00	5.23	5.576	O					3.98
3.500	0.00	5.21	5.540	O					3.96
3.583	0.00	5.19	5.504	O					3.94
3.667	0.00	5.17	5.469	O					3.91
3.750	0.00	5.15	5.433	O					3.89
3.833	0.00	5.13	5.398	O					3.87
3.917	0.00	5.11	5.362	O					3.84
4.000	0.00	5.09	5.327	O					3.82
4.083	0.00	5.07	5.292	O					3.79
4.167	0.00	5.06	5.257	O					3.77
4.250	0.00	5.04	5.223	O					3.75
4.333	0.00	5.02	5.188	O					3.73
4.417	0.00	5.00	5.154	O					3.70
4.500	0.00	4.98	5.119	O					3.68
4.583	0.00	4.96	5.085	O					3.66
4.667	0.00	4.94	5.051	O					3.63
4.750	0.00	4.93	5.017	O					3.61
4.833	0.00	4.91	4.983	O					3.59
4.917	0.00	4.89	4.949	O					3.57
5.000	0.00	4.87	4.916	O					3.54
5.083	0.00	4.85	4.882	O					3.52
5.167	0.00	4.83	4.849	O					3.50
5.250	0.00	4.82	4.816	O					3.48
5.333	0.00	4.80	4.783	O					3.46
5.417	0.00	4.78	4.750	O					3.43
5.500	0.00	4.76	4.717	O					3.41
5.583	0.00	4.75	4.684	O					3.39
5.667	0.00	4.73	4.651	O					3.37

5.750	0.00	4.71	4.619	O	|	|	|	|	3.35
5.833	0.00	4.69	4.586	O	|	|	|	|	3.32
5.917	0.00	4.68	4.554	O	|	|	|	|	3.30
6.000	0.00	4.66	4.522	O	|	|	|	|	3.28
6.083	0.00	4.64	4.490	O	|	|	|	|	3.26
6.167	0.00	4.62	4.458	O	|	|	|	|	3.24
6.250	0.00	4.61	4.426	O	|	|	|	|	3.22
6.333	0.00	4.59	4.395	O	|	|	|	|	3.20
6.417	0.00	4.57	4.363	O	|	|	|	|	3.18
6.500	0.00	4.56	4.332	O	|	|	|	|	3.15
6.583	0.00	4.54	4.300	O	|	|	|	|	3.13
6.667	0.00	4.52	4.269	O	|	|	|	|	3.11
6.750	0.00	4.50	4.238	O	|	|	|	|	3.09
6.833	0.00	4.49	4.207	O	|	|	|	|	3.07
6.917	0.00	4.47	4.176	O	|	|	|	|	3.05
7.000	0.00	4.45	4.146	O	|	|	|	|	3.03
7.083	0.00	4.44	4.115	O	|	|	|	|	3.01
7.167	0.00	4.42	4.084	O	|	|	|	|	2.99
7.250	0.00	4.41	4.054	O	|	|	|	|	2.97
7.333	0.00	4.39	4.024	O	|	|	|	|	2.95
7.417	0.00	4.37	3.994	O	|	|	|	|	2.93
7.500	0.00	4.36	3.963	O	|	|	|	|	2.91
7.583	0.00	4.34	3.934	O	|	|	|	|	2.89
7.667	0.00	4.32	3.904	O	|	|	|	|	2.87
7.750	0.00	4.31	3.874	O	|	|	|	|	2.85
7.833	0.00	4.29	3.844	O	|	|	|	|	2.83
7.917	0.00	4.28	3.815	O	|	|	|	|	2.81
8.000	0.00	4.26	3.785	O	|	|	|	|	2.79
8.083	0.00	4.24	3.756	O	|	|	|	|	2.77
8.167	0.00	4.23	3.727	O	|	|	|	|	2.75
8.250	0.00	4.21	3.698	O	|	|	|	|	2.73
8.333	0.00	4.20	3.669	O	|	|	|	|	2.71
8.417	0.00	4.18	3.640	O	|	|	|	|	2.69
8.500	0.00	4.17	3.611	O	|	|	|	|	2.67
8.583	0.00	4.15	3.583	O	|	|	|	|	2.66
8.667	0.00	4.14	3.554	O	|	|	|	|	2.64
8.750	0.00	4.12	3.526	O	|	|	|	|	2.62
8.833	0.00	4.10	3.497	O	|	|	|	|	2.60
8.917	0.00	4.09	3.469	O	|	|	|	|	2.58
9.000	0.00	4.07	3.441	O	|	|	|	|	2.56
9.083	0.00	4.06	3.413	O	|	|	|	|	2.54
9.167	0.00	4.04	3.385	O	|	|	|	|	2.52
9.250	0.00	4.03	3.357	O	|	|	|	|	2.50
9.333	0.00	4.01	3.330	O	|	|	|	|	2.49
9.417	0.00	4.00	3.302	O	|	|	|	|	2.47
9.500	0.00	3.98	3.275	O	|	|	|	|	2.45
9.583	0.00	3.97	3.247	O	|	|	|	|	2.43
9.667	0.00	3.95	3.220	O	|	|	|	|	2.41
9.750	0.00	3.94	3.193	O	|	|	|	|	2.40
9.833	0.00	3.93	3.166	O	|	|	|	|	2.38
9.917	0.00	3.91	3.139	O	|	|	|	|	2.36
10.000	0.00	3.90	3.112	O	|	|	|	|	2.34
10.083	0.00	3.88	3.085	O	|	|	|	|	2.32
10.167	0.00	3.87	3.058	O	|	|	|	|	2.31
10.250	0.00	3.85	3.032	O	|	|	|	|	2.29
10.333	0.00	3.84	3.005	O	|	|	|	|	2.27
10.417	0.00	3.82	2.979	O	|	|	|	|	2.25
10.500	0.00	3.81	2.953	O	|	|	|	|	2.24
10.583	0.00	3.80	2.926	O	|	|	|	|	2.22
10.667	0.00	3.78	2.900	O	|	|	|	|	2.20
10.750	0.00	3.77	2.874	O	|	|	|	|	2.18
10.833	0.00	3.75	2.848	O	|	|	|	|	2.17
10.917	0.00	3.74	2.823	O	|	|	|	|	2.15
11.000	0.00	3.73	2.797	O	|	|	|	|	2.13
11.083	0.00	3.71	2.771	O	|	|	|	|	2.11
11.167	0.00	3.70	2.746	O	|	|	|	|	2.10
11.250	0.00	3.68	2.720	O	|	|	|	|	2.08
11.333	0.00	3.67	2.695	O	|	|	|	|	2.06

11.417	0.00	3.66	2.670	O	|	|	|	|	2.05
11.500	0.00	3.64	2.645	O	|	|	|	|	2.03
11.583	0.00	3.63	2.620	O	|	|	|	|	2.01
11.667	0.00	3.62	2.595	O	|	|	|	|	2.00
11.750	0.00	3.59	2.570	O	|	|	|	|	1.98
11.833	0.00	3.57	2.545	O	|	|	|	|	1.96
11.917	0.00	3.55	2.521	O	|	|	|	|	1.94
12.000	0.00	3.53	2.496	O	|	|	|	|	1.92
12.083	0.00	3.51	2.472	O	|	|	|	|	1.91
12.167	0.00	3.49	2.448	O	|	|	|	|	1.89
12.250	0.00	3.47	2.424	O	|	|	|	|	1.87
12.333	0.00	3.45	2.400	O	|	|	|	|	1.85
12.417	0.00	3.42	2.376	O	|	|	|	|	1.83
12.500	0.00	3.40	2.353	O	|	|	|	|	1.82
12.583	0.00	3.38	2.330	O	|	|	|	|	1.80
12.667	0.00	3.36	2.306	O	|	|	|	|	1.78
12.750	0.00	3.34	2.283	O	|	|	|	|	1.77
12.833	0.00	3.32	2.260	O	|	|	|	|	1.75
12.917	0.00	3.30	2.238	O	|	|	|	|	1.73
13.000	0.00	3.28	2.215	O	|	|	|	|	1.71
13.083	0.00	3.26	2.192	O	|	|	|	|	1.70
13.167	0.00	3.24	2.170	O	|	|	|	|	1.68
13.250	0.00	3.22	2.148	O	|	|	|	|	1.66
13.333	0.00	3.21	2.125	O	|	|	|	|	1.65
13.417	0.00	3.19	2.103	O	|	|	|	|	1.63
13.500	0.00	3.17	2.082	O	|	|	|	|	1.62
13.583	0.00	3.15	2.060	O	|	|	|	|	1.60
13.667	0.00	3.13	2.038	O	|	|	|	|	1.58
13.750	0.00	3.11	2.017	O	|	|	|	|	1.57
13.833	0.00	3.09	1.995	O	|	|	|	|	1.55
13.917	0.00	3.07	1.974	O	|	|	|	|	1.54
14.000	0.00	3.05	1.953	O	|	|	|	|	1.52
14.083	0.00	3.04	1.932	O	|	|	|	|	1.51
14.167	0.00	3.02	1.911	O	|	|	|	|	1.49
14.250	0.00	3.00	1.890	O	|	|	|	|	1.47
14.333	0.00	2.98	1.870	O	|	|	|	|	1.46
14.417	0.00	2.96	1.849	O	|	|	|	|	1.44
14.500	0.00	2.95	1.829	O	|	|	|	|	1.43
14.583	0.00	2.93	1.809	O	|	|	|	|	1.41
14.667	0.00	2.91	1.789	O	|	|	|	|	1.40
14.750	0.00	2.89	1.769	O	|	|	|	|	1.38
14.833	0.00	2.88	1.749	O	|	|	|	|	1.37
14.917	0.00	2.86	1.729	O	|	|	|	|	1.35
15.000	0.00	2.84	1.710	O	|	|	|	|	1.34
15.083	0.00	2.82	1.690	O	|	|	|	|	1.33
15.167	0.00	2.81	1.671	O	|	|	|	|	1.31
15.250	0.00	2.79	1.651	O	|	|	|	|	1.30
15.333	0.00	2.77	1.632	O	|	|	|	|	1.28
15.417	0.00	2.76	1.613	O	|	|	|	|	1.27
15.500	0.00	2.74	1.594	O	|	|	|	|	1.25
15.583	0.00	2.72	1.575	O	|	|	|	|	1.24
15.667	0.00	2.71	1.557	O	|	|	|	|	1.23
15.750	0.00	2.69	1.538	O	|	|	|	|	1.21
15.833	0.00	2.68	1.520	O	|	|	|	|	1.20
15.917	0.00	2.66	1.501	O	|	|	|	|	1.19
16.000	0.00	2.64	1.483	O	|	|	|	|	1.17
16.083	0.00	2.63	1.465	O	|	|	|	|	1.16
16.167	0.00	2.61	1.447	O	|	|	|	|	1.15
16.250	0.00	2.60	1.429	O	|	|	|	|	1.13
16.333	0.00	2.58	1.411	O	|	|	|	|	1.12
16.417	0.00	2.57	1.393	O	|	|	|	|	1.11
16.500	0.00	2.55	1.376	O	|	|	|	|	1.09
16.583	0.00	2.53	1.358	O	|	|	|	|	1.08
16.667	0.00	2.52	1.341	O	|	|	|	|	1.07
16.750	0.00	2.50	1.323	O	|	|	|	|	1.05
16.833	0.00	2.49	1.306	O	|	|	|	|	1.04
16.917	0.00	2.47	1.289	O	|	|	|	|	1.03
17.000	0.00	2.46	1.272	O	|	|	|	|	1.02

17.083	0.00	2.44	1.255	O	|	|	|	|	1.00
17.167	0.00	2.42	1.239	O	|	|	|	|	0.99
17.250	0.00	2.39	1.222	O	|	|	|	|	0.98
17.333	0.00	2.35	1.206	O	|	|	|	|	0.96
17.417	0.00	2.32	1.190	O	|	|	|	|	0.95
17.500	0.00	2.29	1.174	O	|	|	|	|	0.94
17.583	0.00	2.26	1.158	O	|	|	|	|	0.93
17.667	0.00	2.23	1.143	O	|	|	|	|	0.91
17.750	0.00	2.20	1.127	O	|	|	|	|	0.90
17.833	0.00	2.17	1.112	O	|	|	|	|	0.89
17.917	0.00	2.14	1.097	O	|	|	|	|	0.88
18.000	0.00	2.11	1.083	O	|	|	|	|	0.87
18.083	0.00	2.09	1.068	O	|	|	|	|	0.85
18.167	0.00	2.06	1.054	O	|	|	|	|	0.84
18.250	0.00	2.03	1.040	O	|	|	|	|	0.83
18.333	0.00	2.00	1.026	O	|	|	|	|	0.82
18.417	0.00	1.98	1.012	O	|	|	|	|	0.81
18.500	0.00	1.95	0.999	O	|	|	|	|	0.80
18.583	0.00	1.92	0.985	O	|	|	|	|	0.79
18.667	0.00	1.90	0.972	O	|	|	|	|	0.78
18.750	0.00	1.87	0.959	O	|	|	|	|	0.77
18.833	0.00	1.85	0.947	O	|	|	|	|	0.76
18.917	0.00	1.82	0.934	O	|	|	|	|	0.75
19.000	0.00	1.80	0.921	O	|	|	|	|	0.74
19.083	0.00	1.77	0.909	O	|	|	|	|	0.73
19.167	0.00	1.75	0.897	O	|	|	|	|	0.72
19.250	0.00	1.73	0.885	O	|	|	|	|	0.71
19.333	0.00	1.70	0.873	O	|	|	|	|	0.70
19.417	0.00	1.68	0.862	O	|	|	|	|	0.69
19.500	0.00	1.66	0.850	O	|	|	|	|	0.68
19.583	0.00	1.64	0.839	O	|	|	|	|	0.67
19.667	0.00	1.62	0.827	O	|	|	|	|	0.66
19.750	0.00	1.59	0.816	O	|	|	|	|	0.65
19.833	0.00	1.57	0.806	O	|	|	|	|	0.64
19.917	0.00	1.55	0.795	O	|	|	|	|	0.64
20.000	0.00	1.53	0.784	O	|	|	|	|	0.63
20.083	0.00	1.51	0.774	O	|	|	|	|	0.62
20.167	0.00	1.49	0.763	O	|	|	|	|	0.61
20.250	0.00	1.47	0.753	O	|	|	|	|	0.60
20.333	0.00	1.45	0.743	O	|	|	|	|	0.59
20.417	0.00	1.43	0.733	O	|	|	|	|	0.59
20.500	0.00	1.41	0.723	O	|	|	|	|	0.58
20.583	0.00	1.39	0.714	O	|	|	|	|	0.57
20.667	0.00	1.37	0.704	O	|	|	|	|	0.56
20.750	0.00	1.36	0.695	O	|	|	|	|	0.56
20.833	0.00	1.34	0.686	O	|	|	|	|	0.55
20.917	0.00	1.32	0.676	O	|	|	|	|	0.54
21.000	0.00	1.30	0.667	O	|	|	|	|	0.53
21.083	0.00	1.29	0.658	O	|	|	|	|	0.53
21.167	0.00	1.27	0.650	O	|	|	|	|	0.52
21.250	0.00	1.25	0.641	O	|	|	|	|	0.51
21.333	0.00	1.23	0.632	O	|	|	|	|	0.51
21.417	0.00	1.22	0.624	O	|	|	|	|	0.50
21.500	0.00	1.20	0.616	O	|	|	|	|	0.49
21.583	0.00	1.19	0.607	O	|	|	|	|	0.49
21.667	0.00	1.17	0.599	O	|	|	|	|	0.48
21.750	0.00	1.15	0.591	O	|	|	|	|	0.47
21.833	0.00	1.14	0.583	O	|	|	|	|	0.47
21.917	0.00	1.12	0.576	O	|	|	|	|	0.46
22.000	0.00	1.11	0.568	O	|	|	|	|	0.45
22.083	0.00	1.09	0.560	O	|	|	|	|	0.45
22.167	0.00	1.08	0.553	O	|	|	|	|	0.44
22.250	0.00	1.06	0.545	O	|	|	|	|	0.44
22.333	0.00	1.05	0.538	O	|	|	|	|	0.43
22.417	0.00	1.04	0.531	O	|	|	|	|	0.42
22.500	0.00	1.02	0.524	O	|	|	|	|	0.42
22.583	0.00	1.01	0.517	O	|	|	|	|	0.41
22.667	0.00	1.00	0.510	O	|	|	|	|	0.41

22.750	0.00	0.98	0.503	O	|	|	|	|	0.40
22.833	0.00	0.97	0.496	O	|	|	|	|	0.40
22.917	0.00	0.96	0.490	O	|	|	|	|	0.39
23.000	0.00	0.94	0.483	O	|	|	|	|	0.39
23.083	0.00	0.93	0.477	O	|	|	|	|	0.38
23.167	0.00	0.92	0.470	O	|	|	|	|	0.38
23.250	0.00	0.91	0.464	O	|	|	|	|	0.37
23.333	0.00	0.89	0.458	O	|	|	|	|	0.37
23.417	0.00	0.88	0.452	O	|	|	|	|	0.36
23.500	0.00	0.87	0.446	O	|	|	|	|	0.36
23.583	0.00	0.86	0.440	O	|	|	|	|	0.35
23.667	0.00	0.85	0.434	O	|	|	|	|	0.35
23.750	0.00	0.84	0.428	O	|	|	|	|	0.34
23.833	0.00	0.82	0.422	O	|	|	|	|	0.34
23.917	0.00	0.81	0.417	O	|	|	|	|	0.33
24.000	0.00	0.80	0.411	O	|	|	|	|	0.33
24.083	0.00	0.79	0.406	O	|	|	|	|	0.32
24.167	0.00	0.78	0.400	O	|	|	|	|	0.32
24.250	0.00	0.77	0.395	O	|	|	|	|	0.32
24.333	0.00	0.76	0.390	O	|	|	|	|	0.31
24.417	0.00	0.75	0.385	O	|	|	|	|	0.31
24.500	0.00	0.74	0.379	O	|	|	|	|	0.30
24.583	0.00	0.73	0.374	O	|	|	|	|	0.30
24.667	0.00	0.72	0.369	O	|	|	|	|	0.30
24.750	0.00	0.71	0.364	O	|	|	|	|	0.29
24.833	0.00	0.70	0.360	O	|	|	|	|	0.29
24.917	0.00	0.69	0.355	O	|	|	|	|	0.28
25.000	0.00	0.68	0.350	O	|	|	|	|	0.28
25.083	0.00	0.67	0.345	O	|	|	|	|	0.28
25.167	0.00	0.67	0.341	O	|	|	|	|	0.27
25.250	0.00	0.66	0.336	O	|	|	|	|	0.27
25.333	0.00	0.65	0.332	O	|	|	|	|	0.27
25.417	0.00	0.64	0.327	O	|	|	|	|	0.26
25.500	0.00	0.63	0.323	O	|	|	|	|	0.26
25.583	0.00	0.62	0.319	O	|	|	|	|	0.25
25.667	0.00	0.61	0.314	O	|	|	|	|	0.25
25.750	0.00	0.61	0.310	O	|	|	|	|	0.25
25.833	0.00	0.60	0.306	O	|	|	|	|	0.24
25.917	0.00	0.59	0.302	O	|	|	|	|	0.24
26.000	0.00	0.58	0.298	O	|	|	|	|	0.24
26.083	0.00	0.57	0.294	O	|	|	|	|	0.24
26.167	0.00	0.57	0.290	O	|	|	|	|	0.23
26.250	0.00	0.56	0.286	O	|	|	|	|	0.23
26.333	0.00	0.55	0.282	O	|	|	|	|	0.23
26.417	0.00	0.54	0.279	O	|	|	|	|	0.22
26.500	0.00	0.54	0.275	O	|	|	|	|	0.22
26.583	0.00	0.53	0.271	O	|	|	|	|	0.22
26.667	0.00	0.52	0.267	O	|	|	|	|	0.21
26.750	0.00	0.52	0.264	O	|	|	|	|	0.21
26.833	0.00	0.51	0.260	O	|	|	|	|	0.21
26.917	0.00	0.50	0.257	O	|	|	|	|	0.21
27.000	0.00	0.49	0.253	O	|	|	|	|	0.20
27.083	0.00	0.49	0.250	O	|	|	|	|	0.20
27.167	0.00	0.48	0.247	O	|	|	|	|	0.20
27.250	0.00	0.48	0.243	O	|	|	|	|	0.19
27.333	0.00	0.47	0.240	O	|	|	|	|	0.19
27.417	0.00	0.46	0.237	O	|	|	|	|	0.19
27.500	0.00	0.46	0.234	O	|	|	|	|	0.19
27.583	0.00	0.45	0.231	O	|	|	|	|	0.18
27.667	0.00	0.44	0.228	O	|	|	|	|	0.18
27.750	0.00	0.44	0.225	O	|	|	|	|	0.18
27.833	0.00	0.43	0.222	O	|	|	|	|	0.18
27.917	0.00	0.43	0.219	O	|	|	|	|	0.17
28.000	0.00	0.42	0.216	O	|	|	|	|	0.17
28.083	0.00	0.42	0.213	O	|	|	|	|	0.17
28.167	0.00	0.41	0.210	O	|	|	|	|	0.17
28.250	0.00	0.40	0.207	O	|	|	|	|	0.17
28.333	0.00	0.40	0.204	O	|	|	|	|	0.16

28.417	0.00	0.39	0.202	O	|	|	|	|	0.16
28.500	0.00	0.39	0.199	O	|	|	|	|	0.16
28.583	0.00	0.38	0.196	O	|	|	|	|	0.16
28.667	0.00	0.38	0.194	O	|	|	|	|	0.15
28.750	0.00	0.37	0.191	O	|	|	|	|	0.15
28.833	0.00	0.37	0.189	O	|	|	|	|	0.15
28.917	0.00	0.36	0.186	O	|	|	|	|	0.15
29.000	0.00	0.36	0.184	O	|	|	|	|	0.15
29.083	0.00	0.35	0.181	O	|	|	|	|	0.14
29.167	0.00	0.35	0.179	O	|	|	|	|	0.14
29.250	0.00	0.34	0.176	O	|	|	|	|	0.14
29.333	0.00	0.34	0.174	O	|	|	|	|	0.14
29.417	0.00	0.34	0.172	O	|	|	|	|	0.14
29.500	0.00	0.33	0.169	O	|	|	|	|	0.14
29.583	0.00	0.33	0.167	O	|	|	|	|	0.13
29.667	0.00	0.32	0.165	O	|	|	|	|	0.13
29.750	0.00	0.32	0.163	O	|	|	|	|	0.13
29.833	0.00	0.31	0.160	O	|	|	|	|	0.13
29.917	0.00	0.31	0.158	O	|	|	|	|	0.13
30.000	0.00	0.30	0.156	O	|	|	|	|	0.12
30.083	0.00	0.30	0.154	O	|	|	|	|	0.12
30.167	0.00	0.30	0.152	O	|	|	|	|	0.12
30.250	0.00	0.29	0.150	O	|	|	|	|	0.12
30.333	0.00	0.29	0.148	O	|	|	|	|	0.12
30.417	0.00	0.29	0.146	O	|	|	|	|	0.12
30.500	0.00	0.28	0.144	O	|	|	|	|	0.12
30.583	0.00	0.28	0.142	O	|	|	|	|	0.11
30.667	0.00	0.27	0.140	O	|	|	|	|	0.11
30.750	0.00	0.27	0.138	O	|	|	|	|	0.11
30.833	0.00	0.27	0.137	O	|	|	|	|	0.11
30.917	0.00	0.26	0.135	O	|	|	|	|	0.11
31.000	0.00	0.26	0.133	O	|	|	|	|	0.11
31.083	0.00	0.26	0.131	O	|	|	|	|	0.10
31.167	0.00	0.25	0.129	O	|	|	|	|	0.10
31.250	0.00	0.25	0.128	O	|	|	|	|	0.10
31.333	0.00	0.25	0.126	O	|	|	|	|	0.10
31.417	0.00	0.24	0.124	O	|	|	|	|	0.10
31.500	0.00	0.24	0.123	O	|	|	|	|	0.10
31.583	0.00	0.24	0.121	O	|	|	|	|	0.10
31.667	0.00	0.23	0.119	O	|	|	|	|	0.10
31.750	0.00	0.23	0.118	O	|	|	|	|	0.09
31.833	0.00	0.23	0.116	O	|	|	|	|	0.09
31.917	0.00	0.22	0.115	O	|	|	|	|	0.09
32.000	0.00	0.22	0.113	O	|	|	|	|	0.09
32.083	0.00	0.22	0.112	O	|	|	|	|	0.09
32.167	0.00	0.22	0.110	O	|	|	|	|	0.09
32.250	0.00	0.21	0.109	O	|	|	|	|	0.09
32.333	0.00	0.21	0.107	O	|	|	|	|	0.09
32.417	0.00	0.21	0.106	O	|	|	|	|	0.08
32.500	0.00	0.20	0.104	O	|	|	|	|	0.08
32.583	0.00	0.20	0.103	O	|	|	|	|	0.08
32.667	0.00	0.20	0.102	O	|	|	|	|	0.08
32.750	0.00	0.20	0.100	O	|	|	|	|	0.08
32.833	0.00	0.19	0.099	O	|	|	|	|	0.08
32.917	0.00	0.19	0.098	O	|	|	|	|	0.08
33.000	0.00	0.19	0.096	O	|	|	|	|	0.08
33.083	0.00	0.19	0.095	O	|	|	|	|	0.08
33.167	0.00	0.18	0.094	O	|	|	|	|	0.07
33.250	0.00	0.18	0.092	O	|	|	|	|	0.07
33.333	0.00	0.18	0.091	O	|	|	|	|	0.07
33.417	0.00	0.18	0.090	O	|	|	|	|	0.07
33.500	0.00	0.17	0.089	O	|	|	|	|	0.07
33.583	0.00	0.17	0.088	O	|	|	|	|	0.07
33.667	0.00	0.17	0.086	O	|	|	|	|	0.07
33.750	0.00	0.17	0.085	O	|	|	|	|	0.07
33.833	0.00	0.16	0.084	O	|	|	|	|	0.07
33.917	0.00	0.16	0.083	O	|	|	|	|	0.07
34.000	0.00	0.16	0.082	O	|	|	|	|	0.07

34.083	0.00	0.16	0.081	O	|	|	|	|	0.06
34.167	0.00	0.16	0.080	O	|	|	|	|	0.06
34.250	0.00	0.15	0.079	O	|	|	|	|	0.06
34.333	0.00	0.15	0.078	O	|	|	|	|	0.06
34.417	0.00	0.15	0.077	O	|	|	|	|	0.06
34.500	0.00	0.15	0.076	O	|	|	|	|	0.06
34.583	0.00	0.15	0.075	O	|	|	|	|	0.06
34.667	0.00	0.14	0.074	O	|	|	|	|	0.06
34.750	0.00	0.14	0.073	O	|	|	|	|	0.06
34.833	0.00	0.14	0.072	O	|	|	|	|	0.06
34.917	0.00	0.14	0.071	O	|	|	|	|	0.06
35.000	0.00	0.14	0.070	O	|	|	|	|	0.06
35.083	0.00	0.13	0.069	O	|	|	|	|	0.06
35.167	0.00	0.13	0.068	O	|	|	|	|	0.05
35.250	0.00	0.13	0.067	O	|	|	|	|	0.05
35.333	0.00	0.13	0.066	O	|	|	|	|	0.05
35.417	0.00	0.13	0.065	O	|	|	|	|	0.05
35.500	0.00	0.13	0.064	O	|	|	|	|	0.05
35.583	0.00	0.12	0.063	O	|	|	|	|	0.05
35.667	0.00	0.12	0.063	O	|	|	|	|	0.05
35.750	0.00	0.12	0.062	O	|	|	|	|	0.05
35.833	0.00	0.12	0.061	O	|	|	|	|	0.05
35.917	0.00	0.12	0.060	O	|	|	|	|	0.05
36.000	0.00	0.12	0.059	O	|	|	|	|	0.05
36.083	0.00	0.11	0.059	O	|	|	|	|	0.05
36.167	0.00	0.11	0.058	O	|	|	|	|	0.05
36.250	0.00	0.11	0.057	O	|	|	|	|	0.05
36.333	0.00	0.11	0.056	O	|	|	|	|	0.04
36.417	0.00	0.11	0.055	O	|	|	|	|	0.04
36.500	0.00	0.11	0.055	O	|	|	|	|	0.04
36.583	0.00	0.11	0.054	O	|	|	|	|	0.04
36.667	0.00	0.10	0.053	O	|	|	|	|	0.04
36.750	0.00	0.10	0.053	O	|	|	|	|	0.04
36.833	0.00	0.10	0.052	O	|	|	|	|	0.04
36.917	0.00	0.10	0.051	O	|	|	|	|	0.04
37.000	0.00	0.10	0.051	O	|	|	|	|	0.04
37.083	0.00	0.10	0.050	O	|	|	|	|	0.04
37.167	0.00	0.10	0.049	O	|	|	|	|	0.04
37.250	0.00	0.09	0.049	O	|	|	|	|	0.04
37.333	0.00	0.09	0.048	O	|	|	|	|	0.04
37.417	0.00	0.09	0.047	O	|	|	|	|	0.04
37.500	0.00	0.09	0.047	O	|	|	|	|	0.04
37.583	0.00	0.09	0.046	O	|	|	|	|	0.04
37.667	0.00	0.09	0.045	O	|	|	|	|	0.04
37.750	0.00	0.09	0.045	O	|	|	|	|	0.04
37.833	0.00	0.09	0.044	O	|	|	|	|	0.04
37.917	0.00	0.09	0.044	O	|	|	|	|	0.03
38.000	0.00	0.08	0.043	O	|	|	|	|	0.03
38.083	0.00	0.08	0.042	O	|	|	|	|	0.03
38.167	0.00	0.08	0.042	O	|	|	|	|	0.03
38.250	0.00	0.08	0.041	O	|	|	|	|	0.03
38.333	0.00	0.08	0.041	O	|	|	|	|	0.03
38.417	0.00	0.08	0.040	O	|	|	|	|	0.03
38.500	0.00	0.08	0.040	O	|	|	|	|	0.03
38.583	0.00	0.08	0.039	O	|	|	|	|	0.03
38.667	0.00	0.08	0.039	O	|	|	|	|	0.03
38.750	0.00	0.07	0.038	O	|	|	|	|	0.03
38.833	0.00	0.07	0.038	O	|	|	|	|	0.03
38.917	0.00	0.07	0.037	O	|	|	|	|	0.03
39.000	0.00	0.07	0.037	O	|	|	|	|	0.03
39.083	0.00	0.07	0.036	O	|	|	|	|	0.03
39.167	0.00	0.07	0.036	O	|	|	|	|	0.03
39.250	0.00	0.07	0.035	O	|	|	|	|	0.03
39.333	0.00	0.07	0.035	O	|	|	|	|	0.03
39.417	0.00	0.07	0.034	O	|	|	|	|	0.03
39.500	0.00	0.07	0.034	O	|	|	|	|	0.03
39.583	0.00	0.06	0.033	O	|	|	|	|	0.03
39.667	0.00	0.06	0.033	O	|	|	|	|	0.03

39.750	0.00	0.06	0.032	O	|	|	|	|	0.03
39.833	0.00	0.06	0.032	O	|	|	|	|	0.03
39.917	0.00	0.06	0.032	O	|	|	|	|	0.03
40.000	0.00	0.06	0.031	O	|	|	|	|	0.02
40.083	0.00	0.06	0.031	O	|	|	|	|	0.02
40.167	0.00	0.06	0.030	O	|	|	|	|	0.02
40.250	0.00	0.06	0.030	O	|	|	|	|	0.02
40.333	0.00	0.06	0.029	O	|	|	|	|	0.02
40.417	0.00	0.06	0.029	O	|	|	|	|	0.02
40.500	0.00	0.06	0.029	O	|	|	|	|	0.02
40.583	0.00	0.06	0.028	O	|	|	|	|	0.02
40.667	0.00	0.05	0.028	O	|	|	|	|	0.02
40.750	0.00	0.05	0.028	O	|	|	|	|	0.02
40.833	0.00	0.05	0.027	O	|	|	|	|	0.02
40.917	0.00	0.05	0.027	O	|	|	|	|	0.02
41.000	0.00	0.05	0.026	O	|	|	|	|	0.02
41.083	0.00	0.05	0.026	O	|	|	|	|	0.02
41.167	0.00	0.05	0.026	O	|	|	|	|	0.02
41.250	0.00	0.05	0.025	O	|	|	|	|	0.02
41.333	0.00	0.05	0.025	O	|	|	|	|	0.02
41.417	0.00	0.05	0.025	O	|	|	|	|	0.02
41.500	0.00	0.05	0.024	O	|	|	|	|	0.02
41.583	0.00	0.05	0.024	O	|	|	|	|	0.02
41.667	0.00	0.05	0.024	O	|	|	|	|	0.02
41.750	0.00	0.05	0.023	O	|	|	|	|	0.02
41.833	0.00	0.05	0.023	O	|	|	|	|	0.02
41.917	0.00	0.04	0.023	O	|	|	|	|	0.02
42.000	0.00	0.04	0.023	O	|	|	|	|	0.02
42.083	0.00	0.04	0.022	O	|	|	|	|	0.02
42.167	0.00	0.04	0.022	O	|	|	|	|	0.02
42.250	0.00	0.04	0.022	O	|	|	|	|	0.02
42.333	0.00	0.04	0.021	O	|	|	|	|	0.02
42.417	0.00	0.04	0.021	O	|	|	|	|	0.02
42.500	0.00	0.04	0.021	O	|	|	|	|	0.02
42.583	0.00	0.04	0.021	O	|	|	|	|	0.02
42.667	0.00	0.04	0.020	O	|	|	|	|	0.02
42.750	0.00	0.04	0.020	O	|	|	|	|	0.02
42.833	0.00	0.04	0.020	O	|	|	|	|	0.02
42.917	0.00	0.04	0.019	O	|	|	|	|	0.02
43.000	0.00	0.04	0.019	O	|	|	|	|	0.02
43.083	0.00	0.04	0.019	O	|	|	|	|	0.02
43.167	0.00	0.04	0.019	O	|	|	|	|	0.01
43.250	0.00	0.04	0.018	O	|	|	|	|	0.01
43.333	0.00	0.04	0.018	O	|	|	|	|	0.01
43.417	0.00	0.04	0.018	O	|	|	|	|	0.01
43.500	0.00	0.03	0.018	O	|	|	|	|	0.01
43.583	0.00	0.03	0.017	O	|	|	|	|	0.01
43.667	0.00	0.03	0.017	O	|	|	|	|	0.01
43.750	0.00	0.03	0.017	O	|	|	|	|	0.01
43.833	0.00	0.03	0.017	O	|	|	|	|	0.01
43.917	0.00	0.03	0.017	O	|	|	|	|	0.01
44.000	0.00	0.03	0.016	O	|	|	|	|	0.01
44.083	0.00	0.03	0.016	O	|	|	|	|	0.01
44.167	0.00	0.03	0.016	O	|	|	|	|	0.01
44.250	0.00	0.03	0.016	O	|	|	|	|	0.01
44.333	0.00	0.03	0.015	O	|	|	|	|	0.01
44.417	0.00	0.03	0.015	O	|	|	|	|	0.01
44.500	0.00	0.03	0.015	O	|	|	|	|	0.01
44.583	0.00	0.03	0.015	O	|	|	|	|	0.01
44.667	0.00	0.03	0.015	O	|	|	|	|	0.01
44.750	0.00	0.03	0.014	O	|	|	|	|	0.01
44.833	0.00	0.03	0.014	O	|	|	|	|	0.01
44.917	0.00	0.03	0.014	O	|	|	|	|	0.01
45.000	0.00	0.03	0.014	O	|	|	|	|	0.01
45.083	0.00	0.03	0.014	O	|	|	|	|	0.01
45.167	0.00	0.03	0.014	O	|	|	|	|	0.01
45.250	0.00	0.03	0.013	O	|	|	|	|	0.01
45.333	0.00	0.03	0.013	O	|	|	|	|	0.01

45.417	0.00	0.03	0.013	O	|	|	|	|	0.01
45.500	0.00	0.03	0.013	O	|	|	|	|	0.01
45.583	0.00	0.02	0.013	O	|	|	|	|	0.01
45.667	0.00	0.02	0.012	O	|	|	|	|	0.01
45.750	0.00	0.02	0.012	O	|	|	|	|	0.01
45.833	0.00	0.02	0.012	O	|	|	|	|	0.01
45.917	0.00	0.02	0.012	O	|	|	|	|	0.01
46.000	0.00	0.02	0.012	O	|	|	|	|	0.01
46.083	0.00	0.02	0.012	O	|	|	|	|	0.01
46.167	0.00	0.02	0.012	O	|	|	|	|	0.01
46.250	0.00	0.02	0.011	O	|	|	|	|	0.01
46.333	0.00	0.02	0.011	O	|	|	|	|	0.01
46.417	0.00	0.02	0.011	O	|	|	|	|	0.01
46.500	0.00	0.02	0.011	O	|	|	|	|	0.01
46.583	0.00	0.02	0.011	O	|	|	|	|	0.01
46.667	0.00	0.02	0.011	O	|	|	|	|	0.01
46.750	0.00	0.02	0.010	O	|	|	|	|	0.01
46.833	0.00	0.02	0.010	O	|	|	|	|	0.01
46.917	0.00	0.02	0.010	O	|	|	|	|	0.01
47.000	0.00	0.02	0.010	O	|	|	|	|	0.01
47.083	0.00	0.02	0.010	O	|	|	|	|	0.01
47.167	0.00	0.02	0.010	O	|	|	|	|	0.01
47.250	0.00	0.02	0.010	O	|	|	|	|	0.01
47.333	0.00	0.02	0.010	O	|	|	|	|	0.01
47.417	0.00	0.02	0.009	O	|	|	|	|	0.01
47.500	0.00	0.02	0.009	O	|	|	|	|	0.01
47.583	0.00	0.02	0.009	O	|	|	|	|	0.01
47.667	0.00	0.02	0.009	O	|	|	|	|	0.01
47.750	0.00	0.02	0.009	O	|	|	|	|	0.01
47.833	0.00	0.02	0.009	O	|	|	|	|	0.01
47.917	0.00	0.02	0.009	O	|	|	|	|	0.01
48.000	0.00	0.02	0.009	O	|	|	|	|	0.01
48.083	0.00	0.02	0.008	O	|	|	|	|	0.01
48.167	0.00	0.02	0.008	O	|	|	|	|	0.01
48.250	0.00	0.02	0.008	O	|	|	|	|	0.01
48.333	0.00	0.02	0.008	O	|	|	|	|	0.01
48.417	0.00	0.02	0.008	O	|	|	|	|	0.01
48.500	0.00	0.02	0.008	O	|	|	|	|	0.01
48.583	0.00	0.02	0.008	O	|	|	|	|	0.01
48.667	0.00	0.02	0.008	O	|	|	|	|	0.01
48.750	0.00	0.01	0.008	O	|	|	|	|	0.01
48.833	0.00	0.01	0.007	O	|	|	|	|	0.01
48.917	0.00	0.01	0.007	O	|	|	|	|	0.01
49.000	0.00	0.01	0.007	O	|	|	|	|	0.01
49.083	0.00	0.01	0.007	O	|	|	|	|	0.01
49.167	0.00	0.01	0.007	O	|	|	|	|	0.01
49.250	0.00	0.01	0.007	O	|	|	|	|	0.01
49.333	0.00	0.01	0.007	O	|	|	|	|	0.01
49.417	0.00	0.01	0.007	O	|	|	|	|	0.01
49.500	0.00	0.01	0.007	O	|	|	|	|	0.01
49.583	0.00	0.01	0.007	O	|	|	|	|	0.01
49.667	0.00	0.01	0.007	O	|	|	|	|	0.01
49.750	0.00	0.01	0.006	O	|	|	|	|	0.01
49.833	0.00	0.01	0.006	O	|	|	|	|	0.01
49.917	0.00	0.01	0.006	O	|	|	|	|	0.01
50.000	0.00	0.01	0.006	O	|	|	|	|	0.00
50.083	0.00	0.01	0.006	O	|	|	|	|	0.00
50.167	0.00	0.01	0.006	O	|	|	|	|	0.00
50.250	0.00	0.01	0.006	O	|	|	|	|	0.00
50.333	0.00	0.01	0.006	O	|	|	|	|	0.00
50.417	0.00	0.01	0.006	O	|	|	|	|	0.00
50.500	0.00	0.01	0.006	O	|	|	|	|	0.00
50.583	0.00	0.01	0.006	O	|	|	|	|	0.00
50.667	0.00	0.01	0.006	O	|	|	|	|	0.00
50.750	0.00	0.01	0.005	O	|	|	|	|	0.00
50.833	0.00	0.01	0.005	O	|	|	|	|	0.00
50.917	0.00	0.01	0.005	O	|	|	|	|	0.00
51.000	0.00	0.01	0.005	O	|	|	|	|	0.00

51.083	0.00	0.01	0.005	O	|	|	|	|	0.00
51.167	0.00	0.01	0.005	O	|	|	|	|	0.00
51.250	0.00	0.01	0.005	O	|	|	|	|	0.00
51.333	0.00	0.01	0.005	O	|	|	|	|	0.00
51.417	0.00	0.01	0.005	O	|	|	|	|	0.00
51.500	0.00	0.01	0.005	O	|	|	|	|	0.00
51.583	0.00	0.01	0.005	O	|	|	|	|	0.00
51.667	0.00	0.01	0.005	O	|	|	|	|	0.00
51.750	0.00	0.01	0.005	O	|	|	|	|	0.00
51.833	0.00	0.01	0.005	O	|	|	|	|	0.00
51.917	0.00	0.01	0.005	O	|	|	|	|	0.00
52.000	0.00	0.01	0.004	O	|	|	|	|	0.00
52.083	0.00	0.01	0.004	O	|	|	|	|	0.00
52.167	0.00	0.01	0.004	O	|	|	|	|	0.00
52.250	0.00	0.01	0.004	O	|	|	|	|	0.00
52.333	0.00	0.01	0.004	O	|	|	|	|	0.00
52.417	0.00	0.01	0.004	O	|	|	|	|	0.00
52.500	0.00	0.01	0.004	O	|	|	|	|	0.00
52.583	0.00	0.01	0.004	O	|	|	|	|	0.00
52.667	0.00	0.01	0.004	O	|	|	|	|	0.00
52.750	0.00	0.01	0.004	O	|	|	|	|	0.00
52.833	0.00	0.01	0.004	O	|	|	|	|	0.00
52.917	0.00	0.01	0.004	O	|	|	|	|	0.00
53.000	0.00	0.01	0.004	O	|	|	|	|	0.00
53.083	0.00	0.01	0.004	O	|	|	|	|	0.00
53.167	0.00	0.01	0.004	O	|	|	|	|	0.00
53.250	0.00	0.01	0.004	O	|	|	|	|	0.00
53.333	0.00	0.01	0.004	O	|	|	|	|	0.00
53.417	0.00	0.01	0.004	O	|	|	|	|	0.00
53.500	0.00	0.01	0.004	O	|	|	|	|	0.00
53.583	0.00	0.01	0.003	O	|	|	|	|	0.00
53.667	0.00	0.01	0.003	O	|	|	|	|	0.00
53.750	0.00	0.01	0.003	O	|	|	|	|	0.00
53.833	0.00	0.01	0.003	O	|	|	|	|	0.00
53.917	0.00	0.01	0.003	O	|	|	|	|	0.00
54.000	0.00	0.01	0.003	O	|	|	|	|	0.00
54.083	0.00	0.01	0.003	O	|	|	|	|	0.00
54.167	0.00	0.01	0.003	O	|	|	|	|	0.00
54.250	0.00	0.01	0.003	O	|	|	|	|	0.00
54.333	0.00	0.01	0.003	O	|	|	|	|	0.00
54.417	0.00	0.01	0.003	O	|	|	|	|	0.00
54.500	0.00	0.01	0.003	O	|	|	|	|	0.00
54.583	0.00	0.01	0.003	O	|	|	|	|	0.00
54.667	0.00	0.01	0.003	O	|	|	|	|	0.00
54.750	0.00	0.01	0.003	O	|	|	|	|	0.00
54.833	0.00	0.01	0.003	O	|	|	|	|	0.00
54.917	0.00	0.01	0.003	O	|	|	|	|	0.00
55.000	0.00	0.01	0.003	O	|	|	|	|	0.00
55.083	0.00	0.01	0.003	O	|	|	|	|	0.00
55.167	0.00	0.01	0.003	O	|	|	|	|	0.00
55.250	0.00	0.01	0.003	O	|	|	|	|	0.00
55.333	0.00	0.01	0.003	O	|	|	|	|	0.00
55.417	0.00	0.01	0.003	O	|	|	|	|	0.00
55.500	0.00	0.00	0.003	O	|	|	|	|	0.00
55.583	0.00	0.00	0.003	O	|	|	|	|	0.00
55.667	0.00	0.00	0.002	O	|	|	|	|	0.00
55.750	0.00	0.00	0.002	O	|	|	|	|	0.00
55.833	0.00	0.00	0.002	O	|	|	|	|	0.00
55.917	0.00	0.00	0.002	O	|	|	|	|	0.00
56.000	0.00	0.00	0.002	O	|	|	|	|	0.00
56.083	0.00	0.00	0.002	O	|	|	|	|	0.00
56.167	0.00	0.00	0.002	O	|	|	|	|	0.00
56.250	0.00	0.00	0.002	O	|	|	|	|	0.00
56.333	0.00	0.00	0.002	O	|	|	|	|	0.00
56.417	0.00	0.00	0.002	O	|	|	|	|	0.00
56.500	0.00	0.00	0.002	O	|	|	|	|	0.00
56.583	0.00	0.00	0.002	O	|	|	|	|	0.00
56.667	0.00	0.00	0.002	O	|	|	|	|	0.00

56.750	0.00	0.00	0.002	O	|	|	|	|	0.00
56.833	0.00	0.00	0.002	O	|	|	|	|	0.00
56.917	0.00	0.00	0.002	O	|	|	|	|	0.00
57.000	0.00	0.00	0.002	O	|	|	|	|	0.00
57.083	0.00	0.00	0.002	O	|	|	|	|	0.00
57.167	0.00	0.00	0.002	O	|	|	|	|	0.00
57.250	0.00	0.00	0.002	O	|	|	|	|	0.00
57.333	0.00	0.00	0.002	O	|	|	|	|	0.00
57.417	0.00	0.00	0.002	O	|	|	|	|	0.00
57.500	0.00	0.00	0.002	O	|	|	|	|	0.00
57.583	0.00	0.00	0.002	O	|	|	|	|	0.00
57.667	0.00	0.00	0.002	O	|	|	|	|	0.00
57.750	0.00	0.00	0.002	O	|	|	|	|	0.00
57.833	0.00	0.00	0.002	O	|	|	|	|	0.00
57.917	0.00	0.00	0.002	O	|	|	|	|	0.00
58.000	0.00	0.00	0.002	O	|	|	|	|	0.00
58.083	0.00	0.00	0.002	O	|	|	|	|	0.00
58.167	0.00	0.00	0.002	O	|	|	|	|	0.00
58.250	0.00	0.00	0.002	O	|	|	|	|	0.00
58.333	0.00	0.00	0.002	O	|	|	|	|	0.00
58.417	0.00	0.00	0.002	O	|	|	|	|	0.00
58.500	0.00	0.00	0.002	O	|	|	|	|	0.00
58.583	0.00	0.00	0.002	O	|	|	|	|	0.00
58.667	0.00	0.00	0.002	O	|	|	|	|	0.00
58.750	0.00	0.00	0.002	O	|	|	|	|	0.00
58.833	0.00	0.00	0.001	O	|	|	|	|	0.00
58.917	0.00	0.00	0.001	O	|	|	|	|	0.00
59.000	0.00	0.00	0.001	O	|	|	|	|	0.00
59.083	0.00	0.00	0.001	O	|	|	|	|	0.00
59.167	0.00	0.00	0.001	O	|	|	|	|	0.00
59.250	0.00	0.00	0.001	O	|	|	|	|	0.00
59.333	0.00	0.00	0.001	O	|	|	|	|	0.00
59.417	0.00	0.00	0.001	O	|	|	|	|	0.00
59.500	0.00	0.00	0.001	O	|	|	|	|	0.00
59.583	0.00	0.00	0.001	O	|	|	|	|	0.00
59.667	0.00	0.00	0.001	O	|	|	|	|	0.00
59.750	0.00	0.00	0.001	O	|	|	|	|	0.00
59.833	0.00	0.00	0.001	O	|	|	|	|	0.00
59.917	0.00	0.00	0.001	O	|	|	|	|	0.00
60.000	0.00	0.00	0.001	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 720
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.648 (CFS)
Total volume = 6.913 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/29/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: BASIN310.rte
********** Hydrograph Information **********
From manual input hydrograph

**********HYDROGRAPH DATA**********

Number of intervals = 18
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 176.450 (CFS)
Total volume = 6.782 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN J-ROUTING, BASED ON MANUAL UH WITH REDUCED PEAK BY 70CFS
DUE TO FLOW BY OF 70CFS BOWNSTREAM.
10YR-3HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 18
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.250	2.440	1.242	1.258
2.000	2.600	3.620	2.588	2.612
4.000	5.600	5.240	5.582	5.618
6.000	9.000	6.460	8.978	9.022
8.000	12.840	11.460	12.801	12.879
9.000	14.930	92.740	14.611	15.249
10.000	17.130	240.050	16.303	17.957

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	44.1	88.22	132.34	176.45 (Ft.) Depth

0.083	1.32	0.01	0.005	O	|	|	|	|	0.00
0.167	4.97	0.05	0.026	O	|	|	|	|	0.02
0.250	3.80	0.11	0.056	O	|	|	|	|	0.04
0.333	12.15	0.21	0.109	O I	|	|	|	|	0.09
0.417	23.33	0.45	0.229	O I	|	|	|	|	0.18
0.500	23.23	0.75	0.386	O I	|	|	|	|	0.31
0.583	21.14	1.04	0.532	O I	|	|	|	|	0.43
0.667	23.07	1.32	0.676	O I	|	|	|	|	0.54
0.750	32.17	1.67	0.856	O I	|	|	|	|	0.68
0.833	57.53	2.25	1.152	O	I |	|	|	|	0.92
0.917	70.10	2.72	1.574	O	| I	|	|	|	1.24
1.000	72.50	3.13	2.045	O	| I	|	|	|	1.59
1.083	128.69	3.68	2.714	O	|	| I	|	|	2.08
1.167	162.78	4.21	3.691	O	|	|	| I	|	2.73
1.250	176.45	4.82	4.828	O	|	|	| I		3.49
1.333	123.56	5.32	5.826	O	|	| I	|	|	4.13
1.417	44.67	5.52	6.368	|O	I	|	|	|	4.45
1.500	3.31	**5.56**	**6.495**	**IO**	**|**	**|**	**|**	**|**	**4.53**
1.583	0.00	5.55	6.468	IO	|	|	|	|	4.51
1.667	0.00	5.54	6.430	IO	|	|	|	|	4.49
1.750	0.00	5.52	6.392	IO	|	|	|	|	4.47
1.833	0.00	5.51	6.354	O	|	|	|	|	4.44
1.917	0.00	5.50	6.316	O	|	|	|	|	4.42
2.000	0.00	5.48	6.278	O	|	|	|	|	4.40
2.083	0.00	5.47	6.240	O	|	|	|	|	4.38
2.167	0.00	5.46	6.203	O	|	|	|	|	4.35
2.250	0.00	5.44	6.165	O	|	|	|	|	4.33
2.333	0.00	5.43	6.128	O	|	|	|	|	4.31
2.417	0.00	5.42	6.090	O	|	|	|	|	4.29
2.500	0.00	5.40	6.053	O	|	|	|	|	4.27
2.583	0.00	5.39	6.016	O	|	|	|	|	4.24
2.667	0.00	5.38	5.979	O	|	|	|	|	4.22
2.750	0.00	5.36	5.942	O	|	|	|	|	4.20
2.833	0.00	5.35	5.905	O	|	|	|	|	4.18
2.917	0.00	5.34	5.868	O	|	|	|	|	4.16
3.000	0.00	5.32	5.832	O	|	|	|	|	4.14
3.083	0.00	5.31	5.795	O	|	|	|	|	4.11
3.167	0.00	5.30	5.758	O	|	|	|	|	4.09
3.250	0.00	5.28	5.722	O	|	|	|	|	4.07
3.333	0.00	5.27	5.686	O	|	|	|	|	4.05
3.417	0.00	5.26	5.649	O	|	|	|	|	4.03
3.500	0.00	5.24	5.613	O	|	|	|	|	4.01
3.583	0.00	5.23	5.577	O	|	|	|	|	3.98
3.667	0.00	5.21	5.541	O	|	|	|	|	3.96
3.750	0.00	5.19	5.505	O	|	|	|	|	3.94
3.833	0.00	5.17	5.470	O	|	|	|	|	3.91
3.917	0.00	5.15	5.434	O	|	|	|	|	3.89
4.000	0.00	5.13	5.399	O	|	|	|	|	3.87
4.083	0.00	5.11	5.364	O	|	|	|	|	3.84
4.167	0.00	5.09	5.328	O	|	|	|	|	3.82
4.250	0.00	5.07	5.293	O	|	|	|	|	3.80
4.333	0.00	5.06	5.259	O	|	|	|	|	3.77
4.417	0.00	5.04	5.224	O	|	|	|	|	3.75
4.500	0.00	5.02	5.189	O	|	|	|	|	3.73
4.583	0.00	5.00	5.155	O	|	|	|	|	3.70
4.667	0.00	4.98	5.120	O	|	|	|	|	3.68
4.750	0.00	4.96	5.086	O	|	|	|	|	3.66
4.833	0.00	4.94	5.052	O	|	|	|	|	3.63
4.917	0.00	4.93	5.018	O	|	|	|	|	3.61
5.000	0.00	4.91	4.984	O	|	|	|	|	3.59
5.083	0.00	4.89	4.950	O	|	|	|	|	3.57
5.167	0.00	4.87	4.917	O	|	|	|	|	3.54
5.250	0.00	4.85	4.883	O	|	|	|	|	3.52
5.333	0.00	4.83	4.850	O	|	|	|	|	3.50
5.417	0.00	4.82	4.817	O	|	|	|	|	3.48
5.500	0.00	4.80	4.784	O	|	|	|	|	3.46
5.583	0.00	4.78	4.751	O	|	|	|	|	3.43
5.667	0.00	4.76	4.718	O	|	|	|	|	3.41

5.750	0.00	4.75	4.685	O	|	|	|	|	3.39
5.833	0.00	4.73	4.652	O	|	|	|	|	3.37
5.917	0.00	4.71	4.620	O	|	|	|	|	3.35
6.000	0.00	4.69	4.587	O	|	|	|	|	3.32
6.083	0.00	4.68	4.555	O	|	|	|	|	3.30
6.167	0.00	4.66	4.523	O	|	|	|	|	3.28
6.250	0.00	4.64	4.491	O	|	|	|	|	3.26
6.333	0.00	4.62	4.459	O	|	|	|	|	3.24
6.417	0.00	4.61	4.427	O	|	|	|	|	3.22
6.500	0.00	4.59	4.396	O	|	|	|	|	3.20
6.583	0.00	4.57	4.364	O	|	|	|	|	3.18
6.667	0.00	4.56	4.333	O	|	|	|	|	3.16
6.750	0.00	4.54	4.301	O	|	|	|	|	3.13
6.833	0.00	4.52	4.270	O	|	|	|	|	3.11
6.917	0.00	4.51	4.239	O	|	|	|	|	3.09
7.000	0.00	4.49	4.208	O	|	|	|	|	3.07
7.083	0.00	4.47	4.177	O	|	|	|	|	3.05
7.167	0.00	4.46	4.146	O	|	|	|	|	3.03
7.250	0.00	4.44	4.116	O	|	|	|	|	3.01
7.333	0.00	4.42	4.085	O	|	|	|	|	2.99
7.417	0.00	4.41	4.055	O	|	|	|	|	2.97
7.500	0.00	4.39	4.025	O	|	|	|	|	2.95
7.583	0.00	4.37	3.994	O	|	|	|	|	2.93
7.667	0.00	4.36	3.964	O	|	|	|	|	2.91
7.750	0.00	4.34	3.934	O	|	|	|	|	2.89
7.833	0.00	4.32	3.905	O	|	|	|	|	2.87
7.917	0.00	4.31	3.875	O	|	|	|	|	2.85
8.000	0.00	4.29	3.845	O	|	|	|	|	2.83
8.083	0.00	4.28	3.816	O	|	|	|	|	2.81
8.167	0.00	4.26	3.786	O	|	|	|	|	2.79
8.250	0.00	4.24	3.757	O	|	|	|	|	2.77
8.333	0.00	4.23	3.728	O	|	|	|	|	2.75
8.417	0.00	4.21	3.699	O	|	|	|	|	2.73
8.500	0.00	4.20	3.670	O	|	|	|	|	2.71
8.583	0.00	4.18	3.641	O	|	|	|	|	2.69
8.667	0.00	4.17	3.612	O	|	|	|	|	2.67
8.750	0.00	4.15	3.584	O	|	|	|	|	2.66
8.833	0.00	4.14	3.555	O	|	|	|	|	2.64
8.917	0.00	4.12	3.527	O	|	|	|	|	2.62
9.000	0.00	4.11	3.498	O	|	|	|	|	2.60
9.083	0.00	4.09	3.470	O	|	|	|	|	2.58
9.167	0.00	4.07	3.442	O	|	|	|	|	2.56
9.250	0.00	4.06	3.414	O	|	|	|	|	2.54
9.333	0.00	4.04	3.386	O	|	|	|	|	2.52
9.417	0.00	4.03	3.358	O	|	|	|	|	2.51
9.500	0.00	4.01	3.331	O	|	|	|	|	2.49
9.583	0.00	4.00	3.303	O	|	|	|	|	2.47
9.667	0.00	3.98	3.275	O	|	|	|	|	2.45
9.750	0.00	3.97	3.248	O	|	|	|	|	2.43
9.833	0.00	3.96	3.221	O	|	|	|	|	2.41
9.917	0.00	3.94	3.194	O	|	|	|	|	2.40
10.000	0.00	3.93	3.167	O	|	|	|	|	2.38
10.083	0.00	3.91	3.140	O	|	|	|	|	2.36
10.167	0.00	3.90	3.113	O	|	|	|	|	2.34
10.250	0.00	3.88	3.086	O	|	|	|	|	2.32
10.333	0.00	3.87	3.059	O	|	|	|	|	2.31
10.417	0.00	3.85	3.033	O	|	|	|	|	2.29
10.500	0.00	3.84	3.006	O	|	|	|	|	2.27
10.583	0.00	3.83	2.980	O	|	|	|	|	2.25
10.667	0.00	3.81	2.953	O	|	|	|	|	2.24
10.750	0.00	3.80	2.927	O	|	|	|	|	2.22
10.833	0.00	3.78	2.901	O	|	|	|	|	2.20
10.917	0.00	3.77	2.875	O	|	|	|	|	2.18
11.000	0.00	3.75	2.849	O	|	|	|	|	2.17
11.083	0.00	3.74	2.823	O	|	|	|	|	2.15
11.167	0.00	3.73	2.798	O	|	|	|	|	2.13
11.250	0.00	3.71	2.772	O	|	|	|	|	2.11
11.333	0.00	3.70	2.747	O	|	|	|	|	2.10

11.417	0.00	3.69	2.721	O	|	|	|	|	2.08
11.500	0.00	3.67	2.696	O	|	|	|	|	2.06
11.583	0.00	3.66	2.671	O	|	|	|	|	2.05
11.667	0.00	3.64	2.645	O	|	|	|	|	2.03
11.750	0.00	3.63	2.620	O	|	|	|	|	2.01
11.833	0.00	3.62	2.595	O	|	|	|	|	2.00
11.917	0.00	3.59	2.571	O	|	|	|	|	1.98
12.000	0.00	3.57	2.546	O	|	|	|	|	1.96
12.083	0.00	3.55	2.521	O	|	|	|	|	1.94
12.167	0.00	3.53	2.497	O	|	|	|	|	1.92
12.250	0.00	3.51	2.473	O	|	|	|	|	1.91
12.333	0.00	3.49	2.449	O	|	|	|	|	1.89
12.417	0.00	3.47	2.425	O	|	|	|	|	1.87
12.500	0.00	3.45	2.401	O	|	|	|	|	1.85
12.583	0.00	3.43	2.377	O	|	|	|	|	1.83
12.667	0.00	3.40	2.354	O	|	|	|	|	1.82
12.750	0.00	3.38	2.330	O	|	|	|	|	1.80
12.833	0.00	3.36	2.307	O	|	|	|	|	1.78
12.917	0.00	3.34	2.284	O	|	|	|	|	1.77
13.000	0.00	3.32	2.261	O	|	|	|	|	1.75
13.083	0.00	3.30	2.238	O	|	|	|	|	1.73
13.167	0.00	3.28	2.216	O	|	|	|	|	1.72
13.250	0.00	3.26	2.193	O	|	|	|	|	1.70
13.333	0.00	3.24	2.171	O	|	|	|	|	1.68
13.417	0.00	3.23	2.148	O	|	|	|	|	1.67
13.500	0.00	3.21	2.126	O	|	|	|	|	1.65
13.583	0.00	3.19	2.104	O	|	|	|	|	1.63
13.667	0.00	3.17	2.082	O	|	|	|	|	1.62
13.750	0.00	3.15	2.060	O	|	|	|	|	1.60
13.833	0.00	3.13	2.039	O	|	|	|	|	1.58
13.917	0.00	3.11	2.017	O	|	|	|	|	1.57
14.000	0.00	3.09	1.996	O	|	|	|	|	1.55
14.083	0.00	3.07	1.975	O	|	|	|	|	1.54
14.167	0.00	3.06	1.954	O	|	|	|	|	1.52
14.250	0.00	3.04	1.933	O	|	|	|	|	1.51
14.333	0.00	3.02	1.912	O	|	|	|	|	1.49
14.417	0.00	3.00	1.891	O	|	|	|	|	1.47
14.500	0.00	2.98	1.871	O	|	|	|	|	1.46
14.583	0.00	2.96	1.850	O	|	|	|	|	1.44
14.667	0.00	2.95	1.830	O	|	|	|	|	1.43
14.750	0.00	2.93	1.809	O	|	|	|	|	1.41
14.833	0.00	2.91	1.789	O	|	|	|	|	1.40
14.917	0.00	2.89	1.769	O	|	|	|	|	1.38
15.000	0.00	2.88	1.749	O	|	|	|	|	1.37
15.083	0.00	2.86	1.730	O	|	|	|	|	1.36
15.167	0.00	2.84	1.710	O	|	|	|	|	1.34
15.250	0.00	2.83	1.691	O	|	|	|	|	1.33
15.333	0.00	2.81	1.671	O	|	|	|	|	1.31
15.417	0.00	2.79	1.652	O	|	|	|	|	1.30
15.500	0.00	2.77	1.633	O	|	|	|	|	1.28
15.583	0.00	2.76	1.614	O	|	|	|	|	1.27
15.667	0.00	2.74	1.595	O	|	|	|	|	1.26
15.750	0.00	2.72	1.576	O	|	|	|	|	1.24
15.833	0.00	2.71	1.557	O	|	|	|	|	1.23
15.917	0.00	2.69	1.539	O	|	|	|	|	1.21
16.000	0.00	2.68	1.520	O	|	|	|	|	1.20
16.083	0.00	2.66	1.502	O	|	|	|	|	1.19
16.167	0.00	2.64	1.483	O	|	|	|	|	1.17
16.250	0.00	2.63	1.465	O	|	|	|	|	1.16
16.333	0.00	2.61	1.447	O	|	|	|	|	1.15
16.417	0.00	2.60	1.429	O	|	|	|	|	1.13
16.500	0.00	2.58	1.412	O	|	|	|	|	1.12
16.583	0.00	2.57	1.394	O	|	|	|	|	1.11
16.667	0.00	2.55	1.376	O	|	|	|	|	1.09
16.750	0.00	2.53	1.359	O	|	|	|	|	1.08
16.833	0.00	2.52	1.341	O	|	|	|	|	1.07
16.917	0.00	2.50	1.324	O	|	|	|	|	1.05
17.000	0.00	2.49	1.307	O	|	|	|	|	1.04

17.083	0.00	2.47	1.290	O	|	|	|	|	1.03
17.167	0.00	2.46	1.273	O	|	|	|	|	1.02
17.250	0.00	2.45	1.256	O	|	|	|	|	1.00
17.333	0.00	2.42	1.239	O	|	|	|	|	0.99
17.417	0.00	2.39	1.222	O	|	|	|	|	0.98
17.500	0.00	2.35	1.206	O	|	|	|	|	0.96
17.583	0.00	2.32	1.190	O	|	|	|	|	0.95
17.667	0.00	2.29	1.174	O	|	|	|	|	0.94
17.750	0.00	2.26	1.158	O	|	|	|	|	0.93
17.833	0.00	2.23	1.143	O	|	|	|	|	0.91
17.917	0.00	2.20	1.128	O	|	|	|	|	0.90
18.000	0.00	2.17	1.113	O	|	|	|	|	0.89
18.083	0.00	2.14	1.098	O	|	|	|	|	0.88
18.167	0.00	2.11	1.083	O	|	|	|	|	0.87
18.250	0.00	2.09	1.069	O	|	|	|	|	0.85
18.333	0.00	2.06	1.054	O	|	|	|	|	0.84
18.417	0.00	2.03	1.040	O	|	|	|	|	0.83
18.500	0.00	2.00	1.026	O	|	|	|	|	0.82
18.583	0.00	1.98	1.013	O	|	|	|	|	0.81
18.667	0.00	1.95	0.999	O	|	|	|	|	0.80
18.750	0.00	1.92	0.986	O	|	|	|	|	0.79
18.833	0.00	1.90	0.973	O	|	|	|	|	0.78
18.917	0.00	1.87	0.960	O	|	|	|	|	0.77
19.000	0.00	1.85	0.947	O	|	|	|	|	0.76
19.083	0.00	1.82	0.934	O	|	|	|	|	0.75
19.167	0.00	1.80	0.922	O	|	|	|	|	0.74
19.250	0.00	1.78	0.909	O	|	|	|	|	0.73
19.333	0.00	1.75	0.897	O	|	|	|	|	0.72
19.417	0.00	1.73	0.885	O	|	|	|	|	0.71
19.500	0.00	1.71	0.874	O	|	|	|	|	0.70
19.583	0.00	1.68	0.862	O	|	|	|	|	0.69
19.667	0.00	1.66	0.850	O	|	|	|	|	0.68
19.750	0.00	1.64	0.839	O	|	|	|	|	0.67
19.833	0.00	1.62	0.828	O	|	|	|	|	0.66
19.917	0.00	1.59	0.817	O	|	|	|	|	0.65
20.000	0.00	1.57	0.806	O	|	|	|	|	0.64
20.083	0.00	1.55	0.795	O	|	|	|	|	0.64
20.167	0.00	1.53	0.784	O	|	|	|	|	0.63
20.250	0.00	1.51	0.774	O	|	|	|	|	0.62
20.333	0.00	1.49	0.764	O	|	|	|	|	0.61
20.417	0.00	1.47	0.753	O	|	|	|	|	0.60
20.500	0.00	1.45	0.743	O	|	|	|	|	0.59
20.583	0.00	1.43	0.733	O	|	|	|	|	0.59
20.667	0.00	1.41	0.724	O	|	|	|	|	0.58
20.750	0.00	1.39	0.714	O	|	|	|	|	0.57
20.833	0.00	1.38	0.704	O	|	|	|	|	0.56
20.917	0.00	1.36	0.695	O	|	|	|	|	0.56
21.000	0.00	1.34	0.686	O	|	|	|	|	0.55
21.083	0.00	1.32	0.677	O	|	|	|	|	0.54
21.167	0.00	1.30	0.668	O	|	|	|	|	0.53
21.250	0.00	1.29	0.659	O	|	|	|	|	0.53
21.333	0.00	1.27	0.650	O	|	|	|	|	0.52
21.417	0.00	1.25	0.641	O	|	|	|	|	0.51
21.500	0.00	1.23	0.633	O	|	|	|	|	0.51
21.583	0.00	1.22	0.624	O	|	|	|	|	0.50
21.667	0.00	1.20	0.616	O	|	|	|	|	0.49
21.750	0.00	1.19	0.608	O	|	|	|	|	0.49
21.833	0.00	1.17	0.600	O	|	|	|	|	0.48
21.917	0.00	1.15	0.592	O	|	|	|	|	0.47
22.000	0.00	1.14	0.584	O	|	|	|	|	0.47
22.083	0.00	1.12	0.576	O	|	|	|	|	0.46
22.167	0.00	1.11	0.568	O	|	|	|	|	0.45
22.250	0.00	1.09	0.561	O	|	|	|	|	0.45
22.333	0.00	1.08	0.553	O	|	|	|	|	0.44
22.417	0.00	1.07	0.546	O	|	|	|	|	0.44
22.500	0.00	1.05	0.538	O	|	|	|	|	0.43
22.583	0.00	1.04	0.531	O	|	|	|	|	0.42
22.667	0.00	1.02	0.524	O	|	|	|	|	0.42

22.750	0.00	1.01	0.517	O	|	|	|	|	0.41
22.833	0.00	1.00	0.510	O	|	|	|	|	0.41
22.917	0.00	0.98	0.503	O	|	|	|	|	0.40
23.000	0.00	0.97	0.497	O	|	|	|	|	0.40
23.083	0.00	0.96	0.490	O	|	|	|	|	0.39
23.167	0.00	0.94	0.483	O	|	|	|	|	0.39
23.250	0.00	0.93	0.477	O	|	|	|	|	0.38
23.333	0.00	0.92	0.471	O	|	|	|	|	0.38
23.417	0.00	0.91	0.464	O	|	|	|	|	0.37
23.500	0.00	0.89	0.458	O	|	|	|	|	0.37
23.583	0.00	0.88	0.452	O	|	|	|	|	0.36
23.667	0.00	0.87	0.446	O	|	|	|	|	0.36
23.750	0.00	0.86	0.440	O	|	|	|	|	0.35
23.833	0.00	0.85	0.434	O	|	|	|	|	0.35
23.917	0.00	0.84	0.428	O	|	|	|	|	0.34
24.000	0.00	0.83	0.423	O	|	|	|	|	0.34
24.083	0.00	0.81	0.417	O	|	|	|	|	0.33
24.167	0.00	0.80	0.411	O	|	|	|	|	0.33
24.250	0.00	0.79	0.406	O	|	|	|	|	0.32
24.333	0.00	0.78	0.401	O	|	|	|	|	0.32
24.417	0.00	0.77	0.395	O	|	|	|	|	0.32
24.500	0.00	0.76	0.390	O	|	|	|	|	0.31
24.583	0.00	0.75	0.385	O	|	|	|	|	0.31
24.667	0.00	0.74	0.380	O	|	|	|	|	0.30
24.750	0.00	0.73	0.375	O	|	|	|	|	0.30
24.833	0.00	0.72	0.370	O	|	|	|	|	0.30
24.917	0.00	0.71	0.365	O	|	|	|	|	0.29
25.000	0.00	0.70	0.360	O	|	|	|	|	0.29
25.083	0.00	0.69	0.355	O	|	|	|	|	0.28
25.167	0.00	0.68	0.350	O	|	|	|	|	0.28
25.250	0.00	0.67	0.345	O	|	|	|	|	0.28
25.333	0.00	0.67	0.341	O	|	|	|	|	0.27
25.417	0.00	0.66	0.336	O	|	|	|	|	0.27
25.500	0.00	0.65	0.332	O	|	|	|	|	0.27
25.583	0.00	0.64	0.327	O	|	|	|	|	0.26
25.667	0.00	0.63	0.323	O	|	|	|	|	0.26
25.750	0.00	0.62	0.319	O	|	|	|	|	0.25
25.833	0.00	0.61	0.314	O	|	|	|	|	0.25
25.917	0.00	0.61	0.310	O	|	|	|	|	0.25
26.000	0.00	0.60	0.306	O	|	|	|	|	0.24
26.083	0.00	0.59	0.302	O	|	|	|	|	0.24
26.167	0.00	0.58	0.298	O	|	|	|	|	0.24
26.250	0.00	0.57	0.294	O	|	|	|	|	0.24
26.333	0.00	0.57	0.290	O	|	|	|	|	0.23
26.417	0.00	0.56	0.286	O	|	|	|	|	0.23
26.500	0.00	0.55	0.282	O	|	|	|	|	0.23
26.583	0.00	0.54	0.279	O	|	|	|	|	0.22
26.667	0.00	0.54	0.275	O	|	|	|	|	0.22
26.750	0.00	0.53	0.271	O	|	|	|	|	0.22
26.833	0.00	0.52	0.268	O	|	|	|	|	0.21
26.917	0.00	0.52	0.264	O	|	|	|	|	0.21
27.000	0.00	0.51	0.261	O	|	|	|	|	0.21
27.083	0.00	0.50	0.257	O	|	|	|	|	0.21
27.167	0.00	0.50	0.254	O	|	|	|	|	0.20
27.250	0.00	0.49	0.250	O	|	|	|	|	0.20
27.333	0.00	0.48	0.247	O	|	|	|	|	0.20
27.417	0.00	0.48	0.244	O	|	|	|	|	0.19
27.500	0.00	0.47	0.240	O	|	|	|	|	0.19
27.583	0.00	0.46	0.237	O	|	|	|	|	0.19
27.667	0.00	0.46	0.234	O	|	|	|	|	0.19
27.750	0.00	0.45	0.231	O	|	|	|	|	0.18
27.833	0.00	0.44	0.228	O	|	|	|	|	0.18
27.917	0.00	0.44	0.225	O	|	|	|	|	0.18
28.000	0.00	0.43	0.222	O	|	|	|	|	0.18
28.083	0.00	0.43	0.219	O	|	|	|	|	0.17
28.167	0.00	0.42	0.216	O	|	|	|	|	0.17
28.250	0.00	0.42	0.213	O	|	|	|	|	0.17
28.333	0.00	0.41	0.210	O	|	|	|	|	0.17

28.417	0.00	0.40	0.207	O	|	|	|	|	0.17
28.500	0.00	0.40	0.205	O	|	|	|	|	0.16
28.583	0.00	0.39	0.202	O	|	|	|	|	0.16
28.667	0.00	0.39	0.199	O	|	|	|	|	0.16
28.750	0.00	0.38	0.196	O	|	|	|	|	0.16
28.833	0.00	0.38	0.194	O	|	|	|	|	0.16
28.917	0.00	0.37	0.191	O	|	|	|	|	0.15
29.000	0.00	0.37	0.189	O	|	|	|	|	0.15
29.083	0.00	0.36	0.186	O	|	|	|	|	0.15
29.167	0.00	0.36	0.184	O	|	|	|	|	0.15
29.250	0.00	0.35	0.181	O	|	|	|	|	0.14
29.333	0.00	0.35	0.179	O	|	|	|	|	0.14
29.417	0.00	0.34	0.176	O	|	|	|	|	0.14
29.500	0.00	0.34	0.174	O	|	|	|	|	0.14
29.583	0.00	0.34	0.172	O	|	|	|	|	0.14
29.667	0.00	0.33	0.169	O	|	|	|	|	0.14
29.750	0.00	0.33	0.167	O	|	|	|	|	0.13
29.833	0.00	0.32	0.165	O	|	|	|	|	0.13
29.917	0.00	0.32	0.163	O	|	|	|	|	0.13
30.000	0.00	0.31	0.161	O	|	|	|	|	0.13
30.083	0.00	0.31	0.158	O	|	|	|	|	0.13
30.167	0.00	0.31	0.156	O	|	|	|	|	0.13
30.250	0.00	0.30	0.154	O	|	|	|	|	0.12
30.333	0.00	0.30	0.152	O	|	|	|	|	0.12
30.417	0.00	0.29	0.150	O	|	|	|	|	0.12
30.500	0.00	0.29	0.148	O	|	|	|	|	0.12
30.583	0.00	0.29	0.146	O	|	|	|	|	0.12
30.667	0.00	0.28	0.144	O	|	|	|	|	0.12
30.750	0.00	0.28	0.142	O	|	|	|	|	0.11
30.833	0.00	0.27	0.140	O	|	|	|	|	0.11
30.917	0.00	0.27	0.138	O	|	|	|	|	0.11
31.000	0.00	0.27	0.137	O	|	|	|	|	0.11
31.083	0.00	0.26	0.135	O	|	|	|	|	0.11
31.167	0.00	0.26	0.133	O	|	|	|	|	0.11
31.250	0.00	0.26	0.131	O	|	|	|	|	0.10
31.333	0.00	0.25	0.129	O	|	|	|	|	0.10
31.417	0.00	0.25	0.128	O	|	|	|	|	0.10
31.500	0.00	0.25	0.126	O	|	|	|	|	0.10
31.583	0.00	0.24	0.124	O	|	|	|	|	0.10
31.667	0.00	0.24	0.123	O	|	|	|	|	0.10
31.750	0.00	0.24	0.121	O	|	|	|	|	0.10
31.833	0.00	0.23	0.119	O	|	|	|	|	0.10
31.917	0.00	0.23	0.118	O	|	|	|	|	0.09
32.000	0.00	0.23	0.116	O	|	|	|	|	0.09
32.083	0.00	0.22	0.115	O	|	|	|	|	0.09
32.167	0.00	0.22	0.113	O	|	|	|	|	0.09
32.250	0.00	0.22	0.112	O	|	|	|	|	0.09
32.333	0.00	0.22	0.110	O	|	|	|	|	0.09
32.417	0.00	0.21	0.109	O	|	|	|	|	0.09
32.500	0.00	0.21	0.107	O	|	|	|	|	0.09
32.583	0.00	0.21	0.106	O	|	|	|	|	0.08
32.667	0.00	0.20	0.104	O	|	|	|	|	0.08
32.750	0.00	0.20	0.103	O	|	|	|	|	0.08
32.833	0.00	0.20	0.102	O	|	|	|	|	0.08
32.917	0.00	0.20	0.100	O	|	|	|	|	0.08
33.000	0.00	0.19	0.099	O	|	|	|	|	0.08
33.083	0.00	0.19	0.098	O	|	|	|	|	0.08
33.167	0.00	0.19	0.096	O	|	|	|	|	0.08
33.250	0.00	0.19	0.095	O	|	|	|	|	0.08
33.333	0.00	0.18	0.094	O	|	|	|	|	0.08
33.417	0.00	0.18	0.093	O	|	|	|	|	0.07
33.500	0.00	0.18	0.091	O	|	|	|	|	0.07
33.583	0.00	0.18	0.090	O	|	|	|	|	0.07
33.667	0.00	0.17	0.089	O	|	|	|	|	0.07
33.750	0.00	0.17	0.088	O	|	|	|	|	0.07
33.833	0.00	0.17	0.087	O	|	|	|	|	0.07
33.917	0.00	0.17	0.085	O	|	|	|	|	0.07
34.000	0.00	0.16	0.084	O	|	|	|	|	0.07

34.083	0.00	0.16	0.083	O	|	|	|	|	0.07
34.167	0.00	0.16	0.082	O	|	|	|	|	0.07
34.250	0.00	0.16	0.081	O	|	|	|	|	0.06
34.333	0.00	0.16	0.080	O	|	|	|	|	0.06
34.417	0.00	0.15	0.079	O	|	|	|	|	0.06
34.500	0.00	0.15	0.078	O	|	|	|	|	0.06
34.583	0.00	0.15	0.077	O	|	|	|	|	0.06
34.667	0.00	0.15	0.076	O	|	|	|	|	0.06
34.750	0.00	0.15	0.075	O	|	|	|	|	0.06
34.833	0.00	0.14	0.074	O	|	|	|	|	0.06
34.917	0.00	0.14	0.073	O	|	|	|	|	0.06
35.000	0.00	0.14	0.072	O	|	|	|	|	0.06
35.083	0.00	0.14	0.071	O	|	|	|	|	0.06
35.167	0.00	0.14	0.070	O	|	|	|	|	0.06
35.250	0.00	0.13	0.069	O	|	|	|	|	0.06
35.333	0.00	0.13	0.068	O	|	|	|	|	0.05
35.417	0.00	0.13	0.067	O	|	|	|	|	0.05
35.500	0.00	0.13	0.066	O	|	|	|	|	0.05
35.583	0.00	0.13	0.065	O	|	|	|	|	0.05
35.667	0.00	0.13	0.064	O	|	|	|	|	0.05
35.750	0.00	0.12	0.063	O	|	|	|	|	0.05
35.833	0.00	0.12	0.063	O	|	|	|	|	0.05
35.917	0.00	0.12	0.062	O	|	|	|	|	0.05
36.000	0.00	0.12	0.061	O	|	|	|	|	0.05
36.083	0.00	0.12	0.060	O	|	|	|	|	0.05
36.167	0.00	0.12	0.059	O	|	|	|	|	0.05
36.250	0.00	0.11	0.059	O	|	|	|	|	0.05
36.333	0.00	0.11	0.058	O	|	|	|	|	0.05
36.417	0.00	0.11	0.057	O	|	|	|	|	0.05
36.500	0.00	0.11	0.056	O	|	|	|	|	0.05
36.583	0.00	0.11	0.056	O	|	|	|	|	0.04
36.667	0.00	0.11	0.055	O	|	|	|	|	0.04
36.750	0.00	0.11	0.054	O	|	|	|	|	0.04
36.833	0.00	0.10	0.053	O	|	|	|	|	0.04
36.917	0.00	0.10	0.053	O	|	|	|	|	0.04
37.000	0.00	0.10	0.052	O	|	|	|	|	0.04
37.083	0.00	0.10	0.051	O	|	|	|	|	0.04
37.167	0.00	0.10	0.051	O	|	|	|	|	0.04
37.250	0.00	0.10	0.050	O	|	|	|	|	0.04
37.333	0.00	0.10	0.049	O	|	|	|	|	0.04
37.417	0.00	0.09	0.049	O	|	|	|	|	0.04
37.500	0.00	0.09	0.048	O	|	|	|	|	0.04
37.583	0.00	0.09	0.047	O	|	|	|	|	0.04
37.667	0.00	0.09	0.047	O	|	|	|	|	0.04
37.750	0.00	0.09	0.046	O	|	|	|	|	0.04
37.833	0.00	0.09	0.045	O	|	|	|	|	0.04
37.917	0.00	0.09	0.045	O	|	|	|	|	0.04
38.000	0.00	0.09	0.044	O	|	|	|	|	0.04
38.083	0.00	0.09	0.044	O	|	|	|	|	0.03
38.167	0.00	0.08	0.043	O	|	|	|	|	0.03
38.250	0.00	0.08	0.042	O	|	|	|	|	0.03
38.333	0.00	0.08	0.042	O	|	|	|	|	0.03
38.417	0.00	0.08	0.041	O	|	|	|	|	0.03
38.500	0.00	0.08	0.041	O	|	|	|	|	0.03
38.583	0.00	0.08	0.040	O	|	|	|	|	0.03
38.667	0.00	0.08	0.040	O	|	|	|	|	0.03
38.750	0.00	0.08	0.039	O	|	|	|	|	0.03
38.833	0.00	0.08	0.039	O	|	|	|	|	0.03
38.917	0.00	0.07	0.038	O	|	|	|	|	0.03
39.000	0.00	0.07	0.038	O	|	|	|	|	0.03
39.083	0.00	0.07	0.037	O	|	|	|	|	0.03
39.167	0.00	0.07	0.037	O	|	|	|	|	0.03
39.250	0.00	0.07	0.036	O	|	|	|	|	0.03
39.333	0.00	0.07	0.036	O	|	|	|	|	0.03
39.417	0.00	0.07	0.035	O	|	|	|	|	0.03
39.500	0.00	0.07	0.035	O	|	|	|	|	0.03
39.583	0.00	0.07	0.034	O	|	|	|	|	0.03
39.667	0.00	0.07	0.034	O	|	|	|	|	0.03

39.750	0.00	0.07	0.033	O	|	|	|	|	0.03
39.833	0.00	0.06	0.033	O	|	|	|	|	0.03
39.917	0.00	0.06	0.032	O	|	|	|	|	0.03
40.000	0.00	0.06	0.032	O	|	|	|	|	0.03
40.083	0.00	0.06	0.032	O	|	|	|	|	0.03
40.167	0.00	0.06	0.031	O	|	|	|	|	0.02
40.250	0.00	0.06	0.031	O	|	|	|	|	0.02
40.333	0.00	0.06	0.030	O	|	|	|	|	0.02
40.417	0.00	0.06	0.030	O	|	|	|	|	0.02
40.500	0.00	0.06	0.030	O	|	|	|	|	0.02
40.583	0.00	0.06	0.029	O	|	|	|	|	0.02
40.667	0.00	0.06	0.029	O	|	|	|	|	0.02
40.750	0.00	0.06	0.028	O	|	|	|	|	0.02
40.833	0.00	0.05	0.028	O	|	|	|	|	0.02
40.917	0.00	0.05	0.028	O	|	|	|	|	0.02
41.000	0.00	0.05	0.027	O	|	|	|	|	0.02
41.083	0.00	0.05	0.027	O	|	|	|	|	0.02
41.167	0.00	0.05	0.027	O	|	|	|	|	0.02
41.250	0.00	0.05	0.026	O	|	|	|	|	0.02
41.333	0.00	0.05	0.026	O	|	|	|	|	0.02
41.417	0.00	0.05	0.025	O	|	|	|	|	0.02
41.500	0.00	0.05	0.025	O	|	|	|	|	0.02
41.583	0.00	0.05	0.025	O	|	|	|	|	0.02
41.667	0.00	0.05	0.024	O	|	|	|	|	0.02
41.750	0.00	0.05	0.024	O	|	|	|	|	0.02
41.833	0.00	0.05	0.024	O	|	|	|	|	0.02
41.917	0.00	0.05	0.023	O	|	|	|	|	0.02
42.000	0.00	0.05	0.023	O	|	|	|	|	0.02
42.083	0.00	0.04	0.023	O	|	|	|	|	0.02
42.167	0.00	0.04	0.023	O	|	|	|	|	0.02
42.250	0.00	0.04	0.022	O	|	|	|	|	0.02
42.333	0.00	0.04	0.022	O	|	|	|	|	0.02
42.417	0.00	0.04	0.022	O	|	|	|	|	0.02
42.500	0.00	0.04	0.021	O	|	|	|	|	0.02
42.583	0.00	0.04	0.021	O	|	|	|	|	0.02
42.667	0.00	0.04	0.021	O	|	|	|	|	0.02
42.750	0.00	0.04	0.021	O	|	|	|	|	0.02
42.833	0.00	0.04	0.020	O	|	|	|	|	0.02
42.917	0.00	0.04	0.020	O	|	|	|	|	0.02
43.000	0.00	0.04	0.020	O	|	|	|	|	0.02
43.083	0.00	0.04	0.019	O	|	|	|	|	0.02
43.167	0.00	0.04	0.019	O	|	|	|	|	0.02
43.250	0.00	0.04	0.019	O	|	|	|	|	0.02
43.333	0.00	0.04	0.019	O	|	|	|	|	0.01
43.417	0.00	0.04	0.018	O	|	|	|	|	0.01
43.500	0.00	0.04	0.018	O	|	|	|	|	0.01
43.583	0.00	0.04	0.018	O	|	|	|	|	0.01
43.667	0.00	0.03	0.018	O	|	|	|	|	0.01
43.750	0.00	0.03	0.017	O	|	|	|	|	0.01
43.833	0.00	0.03	0.017	O	|	|	|	|	0.01
43.917	0.00	0.03	0.017	O	|	|	|	|	0.01
44.000	0.00	0.03	0.017	O	|	|	|	|	0.01
44.083	0.00	0.03	0.017	O	|	|	|	|	0.01
44.167	0.00	0.03	0.016	O	|	|	|	|	0.01
44.250	0.00	0.03	0.016	O	|	|	|	|	0.01
44.333	0.00	0.03	0.016	O	|	|	|	|	0.01
44.417	0.00	0.03	0.016	O	|	|	|	|	0.01
44.500	0.00	0.03	0.015	O	|	|	|	|	0.01
44.583	0.00	0.03	0.015	O	|	|	|	|	0.01
44.667	0.00	0.03	0.015	O	|	|	|	|	0.01
44.750	0.00	0.03	0.015	O	|	|	|	|	0.01
44.833	0.00	0.03	0.015	O	|	|	|	|	0.01
44.917	0.00	0.03	0.014	O	|	|	|	|	0.01
45.000	0.00	0.03	0.014	O	|	|	|	|	0.01
45.083	0.00	0.03	0.014	O	|	|	|	|	0.01
45.167	0.00	0.03	0.014	O	|	|	|	|	0.01
45.250	0.00	0.03	0.014	O	|	|	|	|	0.01
45.333	0.00	0.03	0.014	O	|	|	|	|	0.01

45.417	0.00	0.03	0.013	O	|	|	|	|	0.01
45.500	0.00	0.03	0.013	O	|	|	|	|	0.01
45.583	0.00	0.03	0.013	O	|	|	|	|	0.01
45.667	0.00	0.03	0.013	O	|	|	|	|	0.01
45.750	0.00	0.02	0.013	O	|	|	|	|	0.01
45.833	0.00	0.02	0.012	O	|	|	|	|	0.01
45.917	0.00	0.02	0.012	O	|	|	|	|	0.01
46.000	0.00	0.02	0.012	O	|	|	|	|	0.01
46.083	0.00	0.02	0.012	O	|	|	|	|	0.01
46.167	0.00	0.02	0.012	O	|	|	|	|	0.01
46.250	0.00	0.02	0.012	O	|	|	|	|	0.01
46.333	0.00	0.02	0.012	O	|	|	|	|	0.01
46.417	0.00	0.02	0.011	O	|	|	|	|	0.01
46.500	0.00	0.02	0.011	O	|	|	|	|	0.01
46.583	0.00	0.02	0.011	O	|	|	|	|	0.01
46.667	0.00	0.02	0.011	O	|	|	|	|	0.01
46.750	0.00	0.02	0.011	O	|	|	|	|	0.01
46.833	0.00	0.02	0.011	O	|	|	|	|	0.01
46.917	0.00	0.02	0.010	O	|	|	|	|	0.01
47.000	0.00	0.02	0.010	O	|	|	|	|	0.01
47.083	0.00	0.02	0.010	O	|	|	|	|	0.01
47.167	0.00	0.02	0.010	O	|	|	|	|	0.01
47.250	0.00	0.02	0.010	O	|	|	|	|	0.01
47.333	0.00	0.02	0.010	O	|	|	|	|	0.01
47.417	0.00	0.02	0.010	O	|	|	|	|	0.01
47.500	0.00	0.02	0.010	O	|	|	|	|	0.01
47.583	0.00	0.02	0.009	O	|	|	|	|	0.01
47.667	0.00	0.02	0.009	O	|	|	|	|	0.01
47.750	0.00	0.02	0.009	O	|	|	|	|	0.01
47.833	0.00	0.02	0.009	O	|	|	|	|	0.01
47.917	0.00	0.02	0.009	O	|	|	|	|	0.01
48.000	0.00	0.02	0.009	O	|	|	|	|	0.01
48.083	0.00	0.02	0.009	O	|	|	|	|	0.01
48.167	0.00	0.02	0.009	O	|	|	|	|	0.01
48.250	0.00	0.02	0.008	O	|	|	|	|	0.01
48.333	0.00	0.02	0.008	O	|	|	|	|	0.01
48.417	0.00	0.02	0.008	O	|	|	|	|	0.01
48.500	0.00	0.02	0.008	O	|	|	|	|	0.01
48.583	0.00	0.02	0.008	O	|	|	|	|	0.01
48.667	0.00	0.02	0.008	O	|	|	|	|	0.01
48.750	0.00	0.02	0.008	O	|	|	|	|	0.01
48.833	0.00	0.02	0.008	O	|	|	|	|	0.01
48.917	0.00	0.01	0.008	O	|	|	|	|	0.01
49.000	0.00	0.01	0.007	O	|	|	|	|	0.01
49.083	0.00	0.01	0.007	O	|	|	|	|	0.01
49.167	0.00	0.01	0.007	O	|	|	|	|	0.01
49.250	0.00	0.01	0.007	O	|	|	|	|	0.01
49.333	0.00	0.01	0.007	O	|	|	|	|	0.01
49.417	0.00	0.01	0.007	O	|	|	|	|	0.01
49.500	0.00	0.01	0.007	O	|	|	|	|	0.01
49.583	0.00	0.01	0.007	O	|	|	|	|	0.01
49.667	0.00	0.01	0.007	O	|	|	|	|	0.01
49.750	0.00	0.01	0.007	O	|	|	|	|	0.01
49.833	0.00	0.01	0.007	O	|	|	|	|	0.01
49.917	0.00	0.01	0.006	O	|	|	|	|	0.01
50.000	0.00	0.01	0.006	O	|	|	|	|	0.01
50.083	0.00	0.01	0.006	O	|	|	|	|	0.01
50.167	0.00	0.01	0.006	O	|	|	|	|	0.00
50.250	0.00	0.01	0.006	O	|	|	|	|	0.00
50.333	0.00	0.01	0.006	O	|	|	|	|	0.00
50.417	0.00	0.01	0.006	O	|	|	|	|	0.00
50.500	0.00	0.01	0.006	O	|	|	|	|	0.00
50.583	0.00	0.01	0.006	O	|	|	|	|	0.00
50.667	0.00	0.01	0.006	O	|	|	|	|	0.00
50.750	0.00	0.01	0.006	O	|	|	|	|	0.00
50.833	0.00	0.01	0.006	O	|	|	|	|	0.00
50.917	0.00	0.01	0.005	O	|	|	|	|	0.00
51.000	0.00	0.01	0.005	O	|	|	|	|	0.00

51.083	0.00	0.01	0.005	O	|	|	|	|	0.00
51.167	0.00	0.01	0.005	O	|	|	|	|	0.00
51.250	0.00	0.01	0.005	O	|	|	|	|	0.00
51.333	0.00	0.01	0.005	O	|	|	|	|	0.00
51.417	0.00	0.01	0.005	O	|	|	|	|	0.00
51.500	0.00	0.01	0.005	O	|	|	|	|	0.00
51.583	0.00	0.01	0.005	O	|	|	|	|	0.00
51.667	0.00	0.01	0.005	O	|	|	|	|	0.00
51.750	0.00	0.01	0.005	O	|	|	|	|	0.00
51.833	0.00	0.01	0.005	O	|	|	|	|	0.00
51.917	0.00	0.01	0.005	O	|	|	|	|	0.00
52.000	0.00	0.01	0.005	O	|	|	|	|	0.00
52.083	0.00	0.01	0.005	O	|	|	|	|	0.00
52.167	0.00	0.01	0.004	O	|	|	|	|	0.00
52.250	0.00	0.01	0.004	O	|	|	|	|	0.00
52.333	0.00	0.01	0.004	O	|	|	|	|	0.00
52.417	0.00	0.01	0.004	O	|	|	|	|	0.00
52.500	0.00	0.01	0.004	O	|	|	|	|	0.00
52.583	0.00	0.01	0.004	O	|	|	|	|	0.00
52.667	0.00	0.01	0.004	O	|	|	|	|	0.00
52.750	0.00	0.01	0.004	O	|	|	|	|	0.00
52.833	0.00	0.01	0.004	O	|	|	|	|	0.00
52.917	0.00	0.01	0.004	O	|	|	|	|	0.00
53.000	0.00	0.01	0.004	O	|	|	|	|	0.00
53.083	0.00	0.01	0.004	O	|	|	|	|	0.00
53.167	0.00	0.01	0.004	O	|	|	|	|	0.00
53.250	0.00	0.01	0.004	O	|	|	|	|	0.00
53.333	0.00	0.01	0.004	O	|	|	|	|	0.00
53.417	0.00	0.01	0.004	O	|	|	|	|	0.00
53.500	0.00	0.01	0.004	O	|	|	|	|	0.00
53.583	0.00	0.01	0.004	O	|	|	|	|	0.00
53.667	0.00	0.01	0.004	O	|	|	|	|	0.00
53.750	0.00	0.01	0.003	O	|	|	|	|	0.00
53.833	0.00	0.01	0.003	O	|	|	|	|	0.00
53.917	0.00	0.01	0.003	O	|	|	|	|	0.00
54.000	0.00	0.01	0.003	O	|	|	|	|	0.00
54.083	0.00	0.01	0.003	O	|	|	|	|	0.00
54.167	0.00	0.01	0.003	O	|	|	|	|	0.00
54.250	0.00	0.01	0.003	O	|	|	|	|	0.00
54.333	0.00	0.01	0.003	O	|	|	|	|	0.00
54.417	0.00	0.01	0.003	O	|	|	|	|	0.00
54.500	0.00	0.01	0.003	O	|	|	|	|	0.00
54.583	0.00	0.01	0.003	O	|	|	|	|	0.00
54.667	0.00	0.01	0.003	O	|	|	|	|	0.00
54.750	0.00	0.01	0.003	O	|	|	|	|	0.00
54.833	0.00	0.01	0.003	O	|	|	|	|	0.00
54.917	0.00	0.01	0.003	O	|	|	|	|	0.00
55.000	0.00	0.01	0.003	O	|	|	|	|	0.00
55.083	0.00	0.01	0.003	O	|	|	|	|	0.00
55.167	0.00	0.01	0.003	O	|	|	|	|	0.00
55.250	0.00	0.01	0.003	O	|	|	|	|	0.00
55.333	0.00	0.01	0.003	O	|	|	|	|	0.00
55.417	0.00	0.01	0.003	O	|	|	|	|	0.00
55.500	0.00	0.01	0.003	O	|	|	|	|	0.00
55.583	0.00	0.01	0.003	O	|	|	|	|	0.00
55.667	0.00	0.00	0.003	O	|	|	|	|	0.00
55.750	0.00	0.00	0.003	O	|	|	|	|	0.00
55.833	0.00	0.00	0.002	O	|	|	|	|	0.00
55.917	0.00	0.00	0.002	O	|	|	|	|	0.00
56.000	0.00	0.00	0.002	O	|	|	|	|	0.00
56.083	0.00	0.00	0.002	O	|	|	|	|	0.00
56.167	0.00	0.00	0.002	O	|	|	|	|	0.00
56.250	0.00	0.00	0.002	O	|	|	|	|	0.00
56.333	0.00	0.00	0.002	O	|	|	|	|	0.00
56.417	0.00	0.00	0.002	O	|	|	|	|	0.00
56.500	0.00	0.00	0.002	O	|	|	|	|	0.00
56.583	0.00	0.00	0.002	O	|	|	|	|	0.00
56.667	0.00	0.00	0.002	O	|	|	|	|	0.00

56.750	0.00	0.00	0.002	O	|	|	|	|	0.00
56.833	0.00	0.00	0.002	O	|	|	|	|	0.00
56.917	0.00	0.00	0.002	O	|	|	|	|	0.00
57.000	0.00	0.00	0.002	O	|	|	|	|	0.00
57.083	0.00	0.00	0.002	O	|	|	|	|	0.00
57.167	0.00	0.00	0.002	O	|	|	|	|	0.00
57.250	0.00	0.00	0.002	O	|	|	|	|	0.00
57.333	0.00	0.00	0.002	O	|	|	|	|	0.00
57.417	0.00	0.00	0.002	O	|	|	|	|	0.00
57.500	0.00	0.00	0.002	O	|	|	|	|	0.00
57.583	0.00	0.00	0.002	O	|	|	|	|	0.00
57.667	0.00	0.00	0.002	O	|	|	|	|	0.00
57.750	0.00	0.00	0.002	O	|	|	|	|	0.00
57.833	0.00	0.00	0.002	O	|	|	|	|	0.00
57.917	0.00	0.00	0.002	O	|	|	|	|	0.00
58.000	0.00	0.00	0.002	O	|	|	|	|	0.00
58.083	0.00	0.00	0.002	O	|	|	|	|	0.00
58.167	0.00	0.00	0.002	O	|	|	|	|	0.00
58.250	0.00	0.00	0.002	O	|	|	|	|	0.00
58.333	0.00	0.00	0.002	O	|	|	|	|	0.00
58.417	0.00	0.00	0.002	O	|	|	|	|	0.00
58.500	0.00	0.00	0.002	O	|	|	|	|	0.00
58.583	0.00	0.00	0.002	O	|	|	|	|	0.00
58.667	0.00	0.00	0.002	O	|	|	|	|	0.00
58.750	0.00	0.00	0.002	O	|	|	|	|	0.00
58.833	0.00	0.00	0.002	O	|	|	|	|	0.00
58.917	0.00	0.00	0.002	O	|	|	|	|	0.00
59.000	0.00	0.00	0.001	O	|	|	|	|	0.00
59.083	0.00	0.00	0.001	O	|	|	|	|	0.00
59.167	0.00	0.00	0.001	O	|	|	|	|	0.00
59.250	0.00	0.00	0.001	O	|	|	|	|	0.00
59.333	0.00	0.00	0.001	O	|	|	|	|	0.00
59.417	0.00	0.00	0.001	O	|	|	|	|	0.00
59.500	0.00	0.00	0.001	O	|	|	|	|	0.00
59.583	0.00	0.00	0.001	O	|	|	|	|	0.00
59.667	0.00	0.00	0.001	O	|	|	|	|	0.00
59.750	0.00	0.00	0.001	O	|	|	|	|	0.00
59.833	0.00	0.00	0.001	O	|	|	|	|	0.00
59.917	0.00	0.00	0.001	O	|	|	|	|	0.00
60.000	0.00	0.00	0.001	O	|	|	|	|	0.00
60.083	0.00	0.00	0.001	O	|	|	|	|	0.00
60.167	0.00	0.00	0.001	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 722
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.561 (CFS)
Total volume = 6.781 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/29/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: BASIN610.rte

**********HYDROGRAPH DATA**********

Number of intervals = 20
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 162.050 (CFS)
Total volume = 8.035 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN J-ROUTING, BASED ON MANUAL UH WITH REDUCED PEAK BY 70CFS
DUE TO FLOW BY OF 70CFS BOWNSTREAM.
10YR-6HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 20
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.250	2.440	1.242	1.258
2.000	2.600	3.620	2.588	2.612
4.000	5.600	5.240	5.582	5.618
6.000	9.000	6.460	8.978	9.022
8.000	12.840	11.460	12.801	12.879
9.000	14.930	92.740	14.611	15.249
10.000	17.130	240.050	16.303	17.957

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 40.5 81.03 121.54 162.05	Depth (Ft.)
0.083	3.13	0.02	0.011	O | | | | |	0.01
0.167	8.06	0.10	0.049	OI | | | | |	0.04
0.250	13.21	0.24	0.121	O I | | | | |	0.10

0.333	18.56	0.45	0.228	O	I	|	|	|	|	0.18
0.417	23.05	0.72	0.367	O	I	|	|	|	|	0.29
0.500	25.92	1.03	0.530	O	I	|	|	|	|	0.42
0.583	30.46	1.40	0.716	O	I	|	|	|	|	0.57
0.667	35.61	1.82	0.932	O	I	|	|	|	|	0.75
0.750	40.03	2.30	1.178	O	I	|	|	|	|	0.94
0.833	42.81	2.61	1.447	O	I	|	|	|	|	1.15
0.917	47.32	2.87	1.738	O	I	|	|	|	|	1.36
1.000	56.07	3.16	2.073	O	I	|	|	|	|	1.61
1.083	75.54	3.54	2.504	O	I	|	|	|	|	1.93
1.167	97.17	3.88	3.073	O	I	|	|	|	|	2.32
1.250	115.27	4.26	3.776	O	I	|	|	|	|	2.78
1.333	137.30	4.71	4.615	O	I	|	|	|	|	3.34
1.417	162.05	5.24	5.612	|O	I	|	|	|	|	4.01
1.500	160.03	5.63	6.683	|O	I	|	|	|	|	4.64
1.583	66.26	5.89	7.423	|O	I	|	|	|	|	5.07
1.667	8.90	5.97	7.641	|O	I	|	|	|	|	5.20
1.750	**0.00**	**5.97**	**7.630**	**IO**	**I**	**|**	**|**	**|**	**|**	**5.19**
1.833	0.00	5.95	7.589	IO	I	|	|	|	|	5.17
1.917	0.00	5.94	7.548	IO	I	|	|	|	|	5.15
2.000	0.00	5.92	7.508	IO	I	|	|	|	|	5.12
2.083	0.00	5.91	7.467	IO	I	|	|	|	|	5.10
2.167	0.00	5.90	7.426	IO	I	|	|	|	|	5.07
2.250	0.00	5.88	7.386	IO	I	|	|	|	|	5.05
2.333	0.00	5.87	7.345	IO	I	|	|	|	|	5.03
2.417	0.00	5.85	7.305	IO	I	|	|	|	|	5.00
2.500	0.00	5.84	7.265	IO	I	|	|	|	|	4.98
2.583	0.00	5.82	7.224	IO	I	|	|	|	|	4.96
2.667	0.00	5.81	7.184	IO	I	|	|	|	|	4.93
2.750	0.00	5.79	7.144	IO	I	|	|	|	|	4.91
2.833	0.00	5.78	7.105	IO	I	|	|	|	|	4.89
2.917	0.00	5.77	7.065	IO	I	|	|	|	|	4.86
3.000	0.00	5.75	7.025	IO	I	|	|	|	|	4.84
3.083	0.00	5.74	6.986	IO	I	|	|	|	|	4.82
3.167	0.00	5.72	6.946	IO	I	|	|	|	|	4.79
3.250	0.00	5.71	6.907	IO	I	|	|	|	|	4.77
3.333	0.00	5.69	6.868	IO	I	|	|	|	|	4.75
3.417	0.00	5.68	6.828	IO	I	|	|	|	|	4.72
3.500	0.00	5.67	6.789	IO	I	|	|	|	|	4.70
3.583	0.00	5.65	6.750	IO	I	|	|	|	|	4.68
3.667	0.00	5.64	6.711	IO	I	|	|	|	|	4.65
3.750	0.00	5.62	6.673	IO	I	|	|	|	|	4.63
3.833	0.00	5.61	6.634	IO	I	|	|	|	|	4.61
3.917	0.00	5.60	6.595	IO	I	|	|	|	|	4.59
4.000	0.00	5.58	6.557	IO	I	|	|	|	|	4.56
4.083	0.00	5.57	6.518	IO	I	|	|	|	|	4.54
4.167	0.00	5.56	6.480	IO	I	|	|	|	|	4.52
4.250	0.00	5.54	6.442	IO	I	|	|	|	|	4.50
4.333	0.00	5.53	6.404	IO	I	|	|	|	|	4.47
4.417	0.00	5.51	6.366	IO	I	|	|	|	|	4.45
4.500	0.00	5.50	6.328	IO	I	|	|	|	|	4.43
4.583	0.00	5.49	6.290	IO	I	|	|	|	|	4.41
4.667	0.00	5.47	6.252	IO	I	|	|	|	|	4.38
4.750	0.00	5.46	6.215	IO	I	|	|	|	|	4.36
4.833	0.00	5.45	6.177	IO	I	|	|	|	|	4.34
4.917	0.00	5.43	6.140	IO	I	|	|	|	|	4.32
5.000	0.00	5.42	6.102	IO	I	|	|	|	|	4.30
5.083	0.00	5.41	6.065	IO	I	|	|	|	|	4.27
5.167	0.00	5.39	6.028	IO	I	|	|	|	|	4.25
5.250	0.00	5.38	5.991	IO	I	|	|	|	|	4.23
5.333	0.00	5.37	5.954	IO	I	|	|	|	|	4.21
5.417	0.00	5.35	5.917	IO	I	|	|	|	|	4.19
5.500	0.00	5.34	5.880	IO	I	|	|	|	|	4.16
5.583	0.00	5.33	5.843	IO	I	|	|	|	|	4.14
5.667	0.00	5.31	5.806	IO	I	|	|	|	|	4.12
5.750	0.00	5.30	5.770	IO	I	|	|	|	|	4.10
5.833	0.00	5.29	5.733	IO	I	|	|	|	|	4.08
5.917	0.00	5.27	5.697	IO	I	|	|	|	|	4.06

6.000	0.00	5.26	5.661	IO	|	|	|	|	4.04
6.083	0.00	5.25	5.625	IO	|	|	|	|	4.01
6.167	0.00	5.23	5.589	IO	|	|	|	|	3.99
6.250	0.00	5.21	5.553	IO	|	|	|	|	3.97
6.333	0.00	5.20	5.517	IO	|	|	|	|	3.94
6.417	0.00	5.18	5.481	IO	|	|	|	|	3.92
6.500	0.00	5.16	5.445	IO	|	|	|	|	3.90
6.583	0.00	5.14	5.410	IO	|	|	|	|	3.87
6.667	0.00	5.12	5.375	IO	|	|	|	|	3.85
6.750	0.00	5.10	5.339	IO	|	|	|	|	3.83
6.833	0.00	5.08	5.304	IO	|	|	|	|	3.80
6.917	0.00	5.06	5.269	O	|	|	|	|	3.78
7.000	0.00	5.04	5.235	O	|	|	|	|	3.76
7.083	0.00	5.02	5.200	O	|	|	|	|	3.73
7.167	0.00	5.01	5.165	O	|	|	|	|	3.71
7.250	0.00	4.99	5.131	O	|	|	|	|	3.69
7.333	0.00	4.97	5.097	O	|	|	|	|	3.66
7.417	0.00	4.95	5.063	O	|	|	|	|	3.64
7.500	0.00	4.93	5.029	O	|	|	|	|	3.62
7.583	0.00	4.91	4.995	O	|	|	|	|	3.60
7.667	0.00	4.89	4.961	O	|	|	|	|	3.57
7.750	0.00	4.88	4.927	O	|	|	|	|	3.55
7.833	0.00	4.86	4.894	O	|	|	|	|	3.53
7.917	0.00	4.84	4.860	O	|	|	|	|	3.51
8.000	0.00	4.82	4.827	O	|	|	|	|	3.48
8.083	0.00	4.80	4.794	O	|	|	|	|	3.46
8.167	0.00	4.79	4.761	O	|	|	|	|	3.44
8.250	0.00	4.77	4.728	O	|	|	|	|	3.42
8.333	0.00	4.75	4.695	O	|	|	|	|	3.40
8.417	0.00	4.73	4.663	O	|	|	|	|	3.38
8.500	0.00	4.72	4.630	O	|	|	|	|	3.35
8.583	0.00	4.70	4.598	O	|	|	|	|	3.33
8.667	0.00	4.68	4.565	O	|	|	|	|	3.31
8.750	0.00	4.66	4.533	O	|	|	|	|	3.29
8.833	0.00	4.65	4.501	O	|	|	|	|	3.27
8.917	0.00	4.63	4.469	O	|	|	|	|	3.25
9.000	0.00	4.61	4.437	O	|	|	|	|	3.22
9.083	0.00	4.60	4.406	O	|	|	|	|	3.20
9.167	0.00	4.58	4.374	O	|	|	|	|	3.18
9.250	0.00	4.56	4.343	O	|	|	|	|	3.16
9.333	0.00	4.54	4.311	O	|	|	|	|	3.14
9.417	0.00	4.53	4.280	O	|	|	|	|	3.12
9.500	0.00	4.51	4.249	O	|	|	|	|	3.10
9.583	0.00	4.49	4.218	O	|	|	|	|	3.08
9.667	0.00	4.48	4.187	O	|	|	|	|	3.06
9.750	0.00	4.46	4.156	O	|	|	|	|	3.04
9.833	0.00	4.44	4.125	O	|	|	|	|	3.02
9.917	0.00	4.43	4.095	O	|	|	|	|	3.00
10.000	0.00	4.41	4.065	O	|	|	|	|	2.98
10.083	0.00	4.39	4.034	O	|	|	|	|	2.96
10.167	0.00	4.38	4.004	O	|	|	|	|	2.94
10.250	0.00	4.36	3.974	O	|	|	|	|	2.92
10.333	0.00	4.35	3.944	O	|	|	|	|	2.90
10.417	0.00	4.33	3.914	O	|	|	|	|	2.88
10.500	0.00	4.31	3.884	O	|	|	|	|	2.86
10.583	0.00	4.30	3.855	O	|	|	|	|	2.84
10.667	0.00	4.28	3.825	O	|	|	|	|	2.82
10.750	0.00	4.27	3.796	O	|	|	|	|	2.80
10.833	0.00	4.25	3.766	O	|	|	|	|	2.78
10.917	0.00	4.23	3.737	O	|	|	|	|	2.76
11.000	0.00	4.22	3.708	O	|	|	|	|	2.74
11.083	0.00	4.20	3.679	O	|	|	|	|	2.72
11.167	0.00	4.19	3.650	O	|	|	|	|	2.70
11.250	0.00	4.17	3.621	O	|	|	|	|	2.68
11.333	0.00	4.16	3.593	O	|	|	|	|	2.66
11.417	0.00	4.14	3.564	O	|	|	|	|	2.64
11.500	0.00	4.13	3.536	O	|	|	|	|	2.62
11.583	0.00	4.11	3.507	O	|	|	|	|	2.60

11.667	0.00	4.09	3.479	O	|	|	|	|	2.59
11.750	0.00	4.08	3.451	O	|	|	|	|	2.57
11.833	0.00	4.06	3.423	O	|	|	|	|	2.55
11.917	0.00	4.05	3.395	O	|	|	|	|	2.53
12.000	0.00	4.03	3.367	O	|	|	|	|	2.51
12.083	0.00	4.02	3.339	O	|	|	|	|	2.49
12.167	0.00	4.00	3.312	O	|	|	|	|	2.47
12.250	0.00	3.99	3.284	O	|	|	|	|	2.46
12.333	0.00	3.97	3.257	O	|	|	|	|	2.44
12.417	0.00	3.96	3.229	O	|	|	|	|	2.42
12.500	0.00	3.95	3.202	O	|	|	|	|	2.40
12.583	0.00	3.93	3.175	O	|	|	|	|	2.38
12.667	0.00	3.92	3.148	O	|	|	|	|	2.37
12.750	0.00	3.90	3.121	O	|	|	|	|	2.35
12.833	0.00	3.89	3.094	O	|	|	|	|	2.33
12.917	0.00	3.87	3.068	O	|	|	|	|	2.31
13.000	0.00	3.86	3.041	O	|	|	|	|	2.29
13.083	0.00	3.84	3.014	O	|	|	|	|	2.28
13.167	0.00	3.83	2.988	O	|	|	|	|	2.26
13.250	0.00	3.82	2.962	O	|	|	|	|	2.24
13.333	0.00	3.80	2.935	O	|	|	|	|	2.22
13.417	0.00	3.79	2.909	O	|	|	|	|	2.21
13.500	0.00	3.77	2.883	O	|	|	|	|	2.19
13.583	0.00	3.76	2.857	O	|	|	|	|	2.17
13.667	0.00	3.75	2.832	O	|	|	|	|	2.15
13.750	0.00	3.73	2.806	O	|	|	|	|	2.14
13.833	0.00	3.72	2.780	O	|	|	|	|	2.12
13.917	0.00	3.70	2.755	O	|	|	|	|	2.10
14.000	0.00	3.69	2.729	O	|	|	|	|	2.09
14.083	0.00	3.68	2.704	O	|	|	|	|	2.07
14.167	0.00	3.66	2.678	O	|	|	|	|	2.05
14.250	0.00	3.65	2.653	O	|	|	|	|	2.04
14.333	0.00	3.64	2.628	O	|	|	|	|	2.02
14.417	0.00	3.62	2.603	O	|	|	|	|	2.00
14.500	0.00	3.60	2.578	O	|	|	|	|	1.98
14.583	0.00	3.58	2.554	O	|	|	|	|	1.97
14.667	0.00	3.56	2.529	O	|	|	|	|	1.95
14.750	0.00	3.54	2.505	O	|	|	|	|	1.93
14.833	0.00	3.52	2.480	O	|	|	|	|	1.91
14.917	0.00	3.49	2.456	O	|	|	|	|	1.89
15.000	0.00	3.47	2.432	O	|	|	|	|	1.88
15.083	0.00	3.45	2.408	O	|	|	|	|	1.86
15.167	0.00	3.43	2.385	O	|	|	|	|	1.84
15.250	0.00	3.41	2.361	O	|	|	|	|	1.82
15.333	0.00	3.39	2.338	O	|	|	|	|	1.81
15.417	0.00	3.37	2.314	O	|	|	|	|	1.79
15.500	0.00	3.35	2.291	O	|	|	|	|	1.77
15.583	0.00	3.33	2.268	O	|	|	|	|	1.75
15.667	0.00	3.31	2.245	O	|	|	|	|	1.74
15.750	0.00	3.29	2.223	O	|	|	|	|	1.72
15.833	0.00	3.27	2.200	O	|	|	|	|	1.70
15.917	0.00	3.25	2.178	O	|	|	|	|	1.69
16.000	0.00	3.23	2.155	O	|	|	|	|	1.67
16.083	0.00	3.21	2.133	O	|	|	|	|	1.65
16.167	0.00	3.19	2.111	O	|	|	|	|	1.64
16.250	0.00	3.17	2.089	O	|	|	|	|	1.62
16.333	0.00	3.15	2.067	O	|	|	|	|	1.61
16.417	0.00	3.14	2.046	O	|	|	|	|	1.59
16.500	0.00	3.12	2.024	O	|	|	|	|	1.57
16.583	0.00	3.10	2.003	O	|	|	|	|	1.56
16.667	0.00	3.08	1.981	O	|	|	|	|	1.54
16.750	0.00	3.06	1.960	O	|	|	|	|	1.53
16.833	0.00	3.04	1.939	O	|	|	|	|	1.51
16.917	0.00	3.02	1.918	O	|	|	|	|	1.50
17.000	0.00	3.01	1.898	O	|	|	|	|	1.48
17.083	0.00	2.99	1.877	O	|	|	|	|	1.46
17.167	0.00	2.97	1.856	O	|	|	|	|	1.45
17.250	0.00	2.95	1.836	O	|	|	|	|	1.43

17.333	0.00	2.93	1.816	O	|	|	|	|	1.42
17.417	0.00	2.92	1.796	O	|	|	|	|	1.40
17.500	0.00	2.90	1.776	O	|	|	|	|	1.39
17.583	0.00	2.88	1.756	O	|	|	|	|	1.37
17.667	0.00	2.86	1.736	O	|	|	|	|	1.36
17.750	0.00	2.85	1.716	O	|	|	|	|	1.35
17.833	0.00	2.83	1.697	O	|	|	|	|	1.33
17.917	0.00	2.81	1.677	O	|	|	|	|	1.32
18.000	0.00	2.80	1.658	O	|	|	|	|	1.30
18.083	0.00	2.78	1.639	O	|	|	|	|	1.29
18.167	0.00	2.76	1.620	O	|	|	|	|	1.27
18.250	0.00	2.75	1.601	O	|	|	|	|	1.26
18.333	0.00	2.73	1.582	O	|	|	|	|	1.25
18.417	0.00	2.71	1.563	O	|	|	|	|	1.23
18.500	0.00	2.70	1.544	O	|	|	|	|	1.22
18.583	0.00	2.68	1.526	O	|	|	|	|	1.20
18.667	0.00	2.67	1.508	O	|	|	|	|	1.19
18.750	0.00	2.65	1.489	O	|	|	|	|	1.18
18.833	0.00	2.63	1.471	O	|	|	|	|	1.16
18.917	0.00	2.62	1.453	O	|	|	|	|	1.15
19.000	0.00	2.60	1.435	O	|	|	|	|	1.14
19.083	0.00	2.59	1.417	O	|	|	|	|	1.12
19.167	0.00	2.57	1.399	O	|	|	|	|	1.11
19.250	0.00	2.56	1.382	O	|	|	|	|	1.10
19.333	0.00	2.54	1.364	O	|	|	|	|	1.08
19.417	0.00	2.52	1.347	O	|	|	|	|	1.07
19.500	0.00	2.51	1.329	O	|	|	|	|	1.06
19.583	0.00	2.49	1.312	O	|	|	|	|	1.05
19.667	0.00	2.48	1.295	O	|	|	|	|	1.03
19.750	0.00	2.46	1.278	O	|	|	|	|	1.02
19.833	0.00	2.45	1.261	O	|	|	|	|	1.01
19.917	0.00	2.43	1.244	O	|	|	|	|	1.00
20.000	0.00	2.40	1.228	O	|	|	|	|	0.98
20.083	0.00	2.36	1.211	O	|	|	|	|	0.97
20.167	0.00	2.33	1.195	O	|	|	|	|	0.96
20.250	0.00	2.30	1.179	O	|	|	|	|	0.94
20.333	0.00	2.27	1.163	O	|	|	|	|	0.93
20.417	0.00	2.24	1.148	O	|	|	|	|	0.92
20.500	0.00	2.21	1.133	O	|	|	|	|	0.91
20.583	0.00	2.18	1.117	O	|	|	|	|	0.89
20.667	0.00	2.15	1.103	O	|	|	|	|	0.88
20.750	0.00	2.12	1.088	O	|	|	|	|	0.87
20.833	0.00	2.09	1.073	O	|	|	|	|	0.86
20.917	0.00	2.07	1.059	O	|	|	|	|	0.85
21.000	0.00	2.04	1.045	O	|	|	|	|	0.84
21.083	0.00	2.01	1.031	O	|	|	|	|	0.82
21.167	0.00	1.99	1.017	O	|	|	|	|	0.81
21.250	0.00	1.96	1.003	O	|	|	|	|	0.80
21.333	0.00	1.93	0.990	O	|	|	|	|	0.79
21.417	0.00	1.91	0.977	O	|	|	|	|	0.78
21.500	0.00	1.88	0.964	O	|	|	|	|	0.77
21.583	0.00	1.86	0.951	O	|	|	|	|	0.76
21.667	0.00	1.83	0.938	O	|	|	|	|	0.75
21.750	0.00	1.81	0.926	O	|	|	|	|	0.74
21.833	0.00	1.78	0.913	O	|	|	|	|	0.73
21.917	0.00	1.76	0.901	O	|	|	|	|	0.72
22.000	0.00	1.74	0.889	O	|	|	|	|	0.71
22.083	0.00	1.71	0.877	O	|	|	|	|	0.70
22.167	0.00	1.69	0.866	O	|	|	|	|	0.69
22.250	0.00	1.67	0.854	O	|	|	|	|	0.68
22.333	0.00	1.64	0.843	O	|	|	|	|	0.67
22.417	0.00	1.62	0.831	O	|	|	|	|	0.67
22.500	0.00	1.60	0.820	O	|	|	|	|	0.66
22.583	0.00	1.58	0.809	O	|	|	|	|	0.65
22.667	0.00	1.56	0.798	O	|	|	|	|	0.64
22.750	0.00	1.54	0.788	O	|	|	|	|	0.63
22.833	0.00	1.52	0.777	O	|	|	|	|	0.62
22.917	0.00	1.50	0.767	O	|	|	|	|	0.61

23.000	0.00	1.48	0.757	O	|	|	|	|	0.61
23.083	0.00	1.46	0.747	O	|	|	|	|	0.60
23.167	0.00	1.44	0.737	O	|	|	|	|	0.59
23.250	0.00	1.42	0.727	O	|	|	|	|	0.58
23.333	0.00	1.40	0.717	O	|	|	|	|	0.57
23.417	0.00	1.38	0.707	O	|	|	|	|	0.57
23.500	0.00	1.36	0.698	O	|	|	|	|	0.56
23.583	0.00	1.34	0.689	O	|	|	|	|	0.55
23.667	0.00	1.33	0.680	O	|	|	|	|	0.54
23.750	0.00	1.31	0.670	O	|	|	|	|	0.54
23.833	0.00	1.29	0.661	O	|	|	|	|	0.53
23.917	0.00	1.27	0.653	O	|	|	|	|	0.52
24.000	0.00	1.26	0.644	O	|	|	|	|	0.52
24.083	0.00	1.24	0.635	O	|	|	|	|	0.51
24.167	0.00	1.22	0.627	O	|	|	|	|	0.50
24.250	0.00	1.21	0.618	O	|	|	|	|	0.49
24.333	0.00	1.19	0.610	O	|	|	|	|	0.49
24.417	0.00	1.18	0.602	O	|	|	|	|	0.48
24.500	0.00	1.16	0.594	O	|	|	|	|	0.48
24.583	0.00	1.14	0.586	O	|	|	|	|	0.47
24.667	0.00	1.13	0.578	O	|	|	|	|	0.46
24.750	0.00	1.11	0.571	O	|	|	|	|	0.46
24.833	0.00	1.10	0.563	O	|	|	|	|	0.45
24.917	0.00	1.08	0.555	O	|	|	|	|	0.44
25.000	0.00	1.07	0.548	O	|	|	|	|	0.44
25.083	0.00	1.06	0.541	O	|	|	|	|	0.43
25.167	0.00	1.04	0.533	O	|	|	|	|	0.43
25.250	0.00	1.03	0.526	O	|	|	|	|	0.42
25.333	0.00	1.01	0.519	O	|	|	|	|	0.42
25.417	0.00	1.00	0.512	O	|	|	|	|	0.41
25.500	0.00	0.99	0.506	O	|	|	|	|	0.40
25.583	0.00	0.97	0.499	O	|	|	|	|	0.40
25.667	0.00	0.96	0.492	O	|	|	|	|	0.39
25.750	0.00	0.95	0.486	O	|	|	|	|	0.39
25.833	0.00	0.94	0.479	O	|	|	|	|	0.38
25.917	0.00	0.92	0.473	O	|	|	|	|	0.38
26.000	0.00	0.91	0.466	O	|	|	|	|	0.37
26.083	0.00	0.90	0.460	O	|	|	|	|	0.37
26.167	0.00	0.89	0.454	O	|	|	|	|	0.36
26.250	0.00	0.87	0.448	O	|	|	|	|	0.36
26.333	0.00	0.86	0.442	O	|	|	|	|	0.35
26.417	0.00	0.85	0.436	O	|	|	|	|	0.35
26.500	0.00	0.84	0.430	O	|	|	|	|	0.34
26.583	0.00	0.83	0.424	O	|	|	|	|	0.34
26.667	0.00	0.82	0.419	O	|	|	|	|	0.34
26.750	0.00	0.81	0.413	O	|	|	|	|	0.33
26.833	0.00	0.80	0.408	O	|	|	|	|	0.33
26.917	0.00	0.79	0.402	O	|	|	|	|	0.32
27.000	0.00	0.77	0.397	O	|	|	|	|	0.32
27.083	0.00	0.76	0.392	O	|	|	|	|	0.31
27.167	0.00	0.75	0.386	O	|	|	|	|	0.31
27.250	0.00	0.74	0.381	O	|	|	|	|	0.30
27.333	0.00	0.73	0.376	O	|	|	|	|	0.30
27.417	0.00	0.72	0.371	O	|	|	|	|	0.30
27.500	0.00	0.71	0.366	O	|	|	|	|	0.29
27.583	0.00	0.71	0.361	O	|	|	|	|	0.29
27.667	0.00	0.70	0.356	O	|	|	|	|	0.29
27.750	0.00	0.69	0.352	O	|	|	|	|	0.28
27.833	0.00	0.68	0.347	O	|	|	|	|	0.28
27.917	0.00	0.67	0.342	O	|	|	|	|	0.27
28.000	0.00	0.66	0.338	O	|	|	|	|	0.27
28.083	0.00	0.65	0.333	O	|	|	|	|	0.27
28.167	0.00	0.64	0.329	O	|	|	|	|	0.26
28.250	0.00	0.63	0.324	O	|	|	|	|	0.26
28.333	0.00	0.62	0.320	O	|	|	|	|	0.26
28.417	0.00	0.62	0.316	O	|	|	|	|	0.25
28.500	0.00	0.61	0.312	O	|	|	|	|	0.25
28.583	0.00	0.60	0.307	O	|	|	|	|	0.25

28.667	0.00	0.59	0.303	O	|	|	|	|	0.24
28.750	0.00	0.58	0.299	O	|	|	|	|	0.24
28.833	0.00	0.58	0.295	O	|	|	|	|	0.24
28.917	0.00	0.57	0.291	O	|	|	|	|	0.23
29.000	0.00	0.56	0.287	O	|	|	|	|	0.23
29.083	0.00	0.55	0.284	O	|	|	|	|	0.23
29.167	0.00	0.55	0.280	O	|	|	|	|	0.22
29.250	0.00	0.54	0.276	O	|	|	|	|	0.22
29.333	0.00	0.53	0.272	O	|	|	|	|	0.22
29.417	0.00	0.52	0.269	O	|	|	|	|	0.21
29.500	0.00	0.52	0.265	O	|	|	|	|	0.21
29.583	0.00	0.51	0.262	O	|	|	|	|	0.21
29.667	0.00	0.50	0.258	O	|	|	|	|	0.21
29.750	0.00	0.50	0.255	O	|	|	|	|	0.20
29.833	0.00	0.49	0.251	O	|	|	|	|	0.20
29.917	0.00	0.48	0.248	O	|	|	|	|	0.20
30.000	0.00	0.48	0.245	O	|	|	|	|	0.20
30.083	0.00	0.47	0.241	O	|	|	|	|	0.19
30.167	0.00	0.46	0.238	O	|	|	|	|	0.19
30.250	0.00	0.46	0.235	O	|	|	|	|	0.19
30.333	0.00	0.45	0.232	O	|	|	|	|	0.19
30.417	0.00	0.45	0.229	O	|	|	|	|	0.18
30.500	0.00	0.44	0.226	O	|	|	|	|	0.18
30.583	0.00	0.43	0.223	O	|	|	|	|	0.18
30.667	0.00	0.43	0.220	O	|	|	|	|	0.18
30.750	0.00	0.42	0.217	O	|	|	|	|	0.17
30.833	0.00	0.42	0.214	O	|	|	|	|	0.17
30.917	0.00	0.41	0.211	O	|	|	|	|	0.17
31.000	0.00	0.41	0.208	O	|	|	|	|	0.17
31.083	0.00	0.40	0.205	O	|	|	|	|	0.16
31.167	0.00	0.40	0.203	O	|	|	|	|	0.16
31.250	0.00	0.39	0.200	O	|	|	|	|	0.16
31.333	0.00	0.39	0.197	O	|	|	|	|	0.16
31.417	0.00	0.38	0.195	O	|	|	|	|	0.16
31.500	0.00	0.37	0.192	O	|	|	|	|	0.15
31.583	0.00	0.37	0.189	O	|	|	|	|	0.15
31.667	0.00	0.36	0.187	O	|	|	|	|	0.15
31.750	0.00	0.36	0.184	O	|	|	|	|	0.15
31.833	0.00	0.36	0.182	O	|	|	|	|	0.15
31.917	0.00	0.35	0.180	O	|	|	|	|	0.14
32.000	0.00	0.35	0.177	O	|	|	|	|	0.14
32.083	0.00	0.34	0.175	O	|	|	|	|	0.14
32.167	0.00	0.34	0.172	O	|	|	|	|	0.14
32.250	0.00	0.33	0.170	O	|	|	|	|	0.14
32.333	0.00	0.33	0.168	O	|	|	|	|	0.13
32.417	0.00	0.32	0.166	O	|	|	|	|	0.13
32.500	0.00	0.32	0.163	O	|	|	|	|	0.13
32.583	0.00	0.31	0.161	O	|	|	|	|	0.13
32.667	0.00	0.31	0.159	O	|	|	|	|	0.13
32.750	0.00	0.31	0.157	O	|	|	|	|	0.13
32.833	0.00	0.30	0.155	O	|	|	|	|	0.12
32.917	0.00	0.30	0.153	O	|	|	|	|	0.12
33.000	0.00	0.29	0.151	O	|	|	|	|	0.12
33.083	0.00	0.29	0.149	O	|	|	|	|	0.12
33.167	0.00	0.29	0.147	O	|	|	|	|	0.12
33.250	0.00	0.28	0.145	O	|	|	|	|	0.12
33.333	0.00	0.28	0.143	O	|	|	|	|	0.11
33.417	0.00	0.28	0.141	O	|	|	|	|	0.11
33.500	0.00	0.27	0.139	O	|	|	|	|	0.11
33.583	0.00	0.27	0.137	O	|	|	|	|	0.11
33.667	0.00	0.26	0.135	O	|	|	|	|	0.11
33.750	0.00	0.26	0.134	O	|	|	|	|	0.11
33.833	0.00	0.26	0.132	O	|	|	|	|	0.11
33.917	0.00	0.25	0.130	O	|	|	|	|	0.10
34.000	0.00	0.25	0.128	O	|	|	|	|	0.10
34.083	0.00	0.25	0.127	O	|	|	|	|	0.10
34.167	0.00	0.24	0.125	O	|	|	|	|	0.10
34.250	0.00	0.24	0.123	O	|	|	|	|	0.10

34.333	0.00	0.24	0.122	O	|	|	|	|	0.10
34.417	0.00	0.23	0.120	O	|	|	|	|	0.10
34.500	0.00	0.23	0.118	O	|	|	|	|	0.09
34.583	0.00	0.23	0.117	O	|	|	|	|	0.09
34.667	0.00	0.22	0.115	O	|	|	|	|	0.09
34.750	0.00	0.22	0.114	O	|	|	|	|	0.09
34.833	0.00	0.22	0.112	O	|	|	|	|	0.09
34.917	0.00	0.22	0.111	O	|	|	|	|	0.09
35.000	0.00	0.21	0.109	O	|	|	|	|	0.09
35.083	0.00	0.21	0.108	O	|	|	|	|	0.09
35.167	0.00	0.21	0.106	O	|	|	|	|	0.09
35.250	0.00	0.20	0.105	O	|	|	|	|	0.08
35.333	0.00	0.20	0.103	O	|	|	|	|	0.08
35.417	0.00	0.20	0.102	O	|	|	|	|	0.08
35.500	0.00	0.20	0.101	O	|	|	|	|	0.08
35.583	0.00	0.19	0.099	O	|	|	|	|	0.08
35.667	0.00	0.19	0.098	O	|	|	|	|	0.08
35.750	0.00	0.19	0.097	O	|	|	|	|	0.08
35.833	0.00	0.19	0.095	O	|	|	|	|	0.08
35.917	0.00	0.18	0.094	O	|	|	|	|	0.08
36.000	0.00	0.18	0.093	O	|	|	|	|	0.07
36.083	0.00	0.18	0.092	O	|	|	|	|	0.07
36.167	0.00	0.18	0.090	O	|	|	|	|	0.07
36.250	0.00	0.17	0.089	O	|	|	|	|	0.07
36.333	0.00	0.17	0.088	O	|	|	|	|	0.07
36.417	0.00	0.17	0.087	O	|	|	|	|	0.07
36.500	0.00	0.17	0.086	O	|	|	|	|	0.07
36.583	0.00	0.17	0.085	O	|	|	|	|	0.07
36.667	0.00	0.16	0.083	O	|	|	|	|	0.07
36.750	0.00	0.16	0.082	O	|	|	|	|	0.07
36.833	0.00	0.16	0.081	O	|	|	|	|	0.06
36.917	0.00	0.16	0.080	O	|	|	|	|	0.06
37.000	0.00	0.15	0.079	O	|	|	|	|	0.06
37.083	0.00	0.15	0.078	O	|	|	|	|	0.06
37.167	0.00	0.15	0.077	O	|	|	|	|	0.06
37.250	0.00	0.15	0.076	O	|	|	|	|	0.06
37.333	0.00	0.15	0.075	O	|	|	|	|	0.06
37.417	0.00	0.14	0.074	O	|	|	|	|	0.06
37.500	0.00	0.14	0.073	O	|	|	|	|	0.06
37.583	0.00	0.14	0.072	O	|	|	|	|	0.06
37.667	0.00	0.14	0.071	O	|	|	|	|	0.06
37.750	0.00	0.14	0.070	O	|	|	|	|	0.06
37.833	0.00	0.13	0.069	O	|	|	|	|	0.06
37.917	0.00	0.13	0.068	O	|	|	|	|	0.05
38.000	0.00	0.13	0.067	O	|	|	|	|	0.05
38.083	0.00	0.13	0.066	O	|	|	|	|	0.05
38.167	0.00	0.13	0.066	O	|	|	|	|	0.05
38.250	0.00	0.13	0.065	O	|	|	|	|	0.05
38.333	0.00	0.12	0.064	O	|	|	|	|	0.05
38.417	0.00	0.12	0.063	O	|	|	|	|	0.05
38.500	0.00	0.12	0.062	O	|	|	|	|	0.05
38.583	0.00	0.12	0.061	O	|	|	|	|	0.05
38.667	0.00	0.12	0.060	O	|	|	|	|	0.05
38.750	0.00	0.12	0.060	O	|	|	|	|	0.05
38.833	0.00	0.11	0.059	O	|	|	|	|	0.05
38.917	0.00	0.11	0.058	O	|	|	|	|	0.05
39.000	0.00	0.11	0.057	O	|	|	|	|	0.05
39.083	0.00	0.11	0.057	O	|	|	|	|	0.05
39.167	0.00	0.11	0.056	O	|	|	|	|	0.04
39.250	0.00	0.11	0.055	O	|	|	|	|	0.04
39.333	0.00	0.11	0.054	O	|	|	|	|	0.04
39.417	0.00	0.10	0.054	O	|	|	|	|	0.04
39.500	0.00	0.10	0.053	O	|	|	|	|	0.04
39.583	0.00	0.10	0.052	O	|	|	|	|	0.04
39.667	0.00	0.10	0.051	O	|	|	|	|	0.04
39.750	0.00	0.10	0.051	O	|	|	|	|	0.04
39.833	0.00	0.10	0.050	O	|	|	|	|	0.04
39.917	0.00	0.10	0.049	O	|	|	|	|	0.04

40.000	0.00	0.10	0.049	O	|	|	|	|	0.04
40.083	0.00	0.09	0.048	O	|	|	|	|	0.04
40.167	0.00	0.09	0.047	O	|	|	|	|	0.04
40.250	0.00	0.09	0.047	O	|	|	|	|	0.04
40.333	0.00	0.09	0.046	O	|	|	|	|	0.04
40.417	0.00	0.09	0.046	O	|	|	|	|	0.04
40.500	0.00	0.09	0.045	O	|	|	|	|	0.04
40.583	0.00	0.09	0.044	O	|	|	|	|	0.04
40.667	0.00	0.09	0.044	O	|	|	|	|	0.04
40.750	0.00	0.08	0.043	O	|	|	|	|	0.03
40.833	0.00	0.08	0.043	O	|	|	|	|	0.03
40.917	0.00	0.08	0.042	O	|	|	|	|	0.03
41.000	0.00	0.08	0.041	O	|	|	|	|	0.03
41.083	0.00	0.08	0.041	O	|	|	|	|	0.03
41.167	0.00	0.08	0.040	O	|	|	|	|	0.03
41.250	0.00	0.08	0.040	O	|	|	|	|	0.03
41.333	0.00	0.08	0.039	O	|	|	|	|	0.03
41.417	0.00	0.08	0.039	O	|	|	|	|	0.03
41.500	0.00	0.07	0.038	O	|	|	|	|	0.03
41.583	0.00	0.07	0.038	O	|	|	|	|	0.03
41.667	0.00	0.07	0.037	O	|	|	|	|	0.03
41.750	0.00	0.07	0.037	O	|	|	|	|	0.03
41.833	0.00	0.07	0.036	O	|	|	|	|	0.03
41.917	0.00	0.07	0.036	O	|	|	|	|	0.03
42.000	0.00	0.07	0.035	O	|	|	|	|	0.03
42.083	0.00	0.07	0.035	O	|	|	|	|	0.03
42.167	0.00	0.07	0.034	O	|	|	|	|	0.03
42.250	0.00	0.07	0.034	O	|	|	|	|	0.03
42.333	0.00	0.07	0.033	O	|	|	|	|	0.03
42.417	0.00	0.06	0.033	O	|	|	|	|	0.03
42.500	0.00	0.06	0.033	O	|	|	|	|	0.03
42.583	0.00	0.06	0.032	O	|	|	|	|	0.03
42.667	0.00	0.06	0.032	O	|	|	|	|	0.03
42.750	0.00	0.06	0.031	O	|	|	|	|	0.03
42.833	0.00	0.06	0.031	O	|	|	|	|	0.02
42.917	0.00	0.06	0.030	O	|	|	|	|	0.02
43.000	0.00	0.06	0.030	O	|	|	|	|	0.02
43.083	0.00	0.06	0.030	O	|	|	|	|	0.02
43.167	0.00	0.06	0.029	O	|	|	|	|	0.02
43.250	0.00	0.06	0.029	O	|	|	|	|	0.02
43.333	0.00	0.06	0.028	O	|	|	|	|	0.02
43.417	0.00	0.05	0.028	O	|	|	|	|	0.02
43.500	0.00	0.05	0.028	O	|	|	|	|	0.02
43.583	0.00	0.05	0.027	O	|	|	|	|	0.02
43.667	0.00	0.05	0.027	O	|	|	|	|	0.02
43.750	0.00	0.05	0.027	O	|	|	|	|	0.02
43.833	0.00	0.05	0.026	O	|	|	|	|	0.02
43.917	0.00	0.05	0.026	O	|	|	|	|	0.02
44.000	0.00	0.05	0.026	O	|	|	|	|	0.02
44.083	0.00	0.05	0.025	O	|	|	|	|	0.02
44.167	0.00	0.05	0.025	O	|	|	|	|	0.02
44.250	0.00	0.05	0.025	O	|	|	|	|	0.02
44.333	0.00	0.05	0.024	O	|	|	|	|	0.02
44.417	0.00	0.05	0.024	O	|	|	|	|	0.02
44.500	0.00	0.05	0.024	O	|	|	|	|	0.02
44.583	0.00	0.05	0.023	O	|	|	|	|	0.02
44.667	0.00	0.04	0.023	O	|	|	|	|	0.02
44.750	0.00	0.04	0.023	O	|	|	|	|	0.02
44.833	0.00	0.04	0.022	O	|	|	|	|	0.02
44.917	0.00	0.04	0.022	O	|	|	|	|	0.02
45.000	0.00	0.04	0.022	O	|	|	|	|	0.02
45.083	0.00	0.04	0.021	O	|	|	|	|	0.02
45.167	0.00	0.04	0.021	O	|	|	|	|	0.02
45.250	0.00	0.04	0.021	O	|	|	|	|	0.02
45.333	0.00	0.04	0.021	O	|	|	|	|	0.02
45.417	0.00	0.04	0.020	O	|	|	|	|	0.02
45.500	0.00	0.04	0.020	O	|	|	|	|	0.02
45.583	0.00	0.04	0.020	O	|	|	|	|	0.02

45.667	0.00	0.04	0.020	O	|	|	|	|	0.02
45.750	0.00	0.04	0.019	O	|	|	|	|	0.02
45.833	0.00	0.04	0.019	O	|	|	|	|	0.02
45.917	0.00	0.04	0.019	O	|	|	|	|	0.02
46.000	0.00	0.04	0.019	O	|	|	|	|	0.01
46.083	0.00	0.04	0.018	O	|	|	|	|	0.01
46.167	0.00	0.04	0.018	O	|	|	|	|	0.01
46.250	0.00	0.03	0.018	O	|	|	|	|	0.01
46.333	0.00	0.03	0.018	O	|	|	|	|	0.01
46.417	0.00	0.03	0.017	O	|	|	|	|	0.01
46.500	0.00	0.03	0.017	O	|	|	|	|	0.01
46.583	0.00	0.03	0.017	O	|	|	|	|	0.01
46.667	0.00	0.03	0.017	O	|	|	|	|	0.01
46.750	0.00	0.03	0.016	O	|	|	|	|	0.01
46.833	0.00	0.03	0.016	O	|	|	|	|	0.01
46.917	0.00	0.03	0.016	O	|	|	|	|	0.01
47.000	0.00	0.03	0.016	O	|	|	|	|	0.01
47.083	0.00	0.03	0.016	O	|	|	|	|	0.01
47.167	0.00	0.03	0.015	O	|	|	|	|	0.01
47.250	0.00	0.03	0.015	O	|	|	|	|	0.01
47.333	0.00	0.03	0.015	O	|	|	|	|	0.01
47.417	0.00	0.03	0.015	O	|	|	|	|	0.01
47.500	0.00	0.03	0.015	O	|	|	|	|	0.01
47.583	0.00	0.03	0.014	O	|	|	|	|	0.01
47.667	0.00	0.03	0.014	O	|	|	|	|	0.01
47.750	0.00	0.03	0.014	O	|	|	|	|	0.01
47.833	0.00	0.03	0.014	O	|	|	|	|	0.01
47.917	0.00	0.03	0.014	O	|	|	|	|	0.01
48.000	0.00	0.03	0.013	O	|	|	|	|	0.01
48.083	0.00	0.03	0.013	O	|	|	|	|	0.01
48.167	0.00	0.03	0.013	O	|	|	|	|	0.01
48.250	0.00	0.03	0.013	O	|	|	|	|	0.01
48.333	0.00	0.02	0.013	O	|	|	|	|	0.01
48.417	0.00	0.02	0.013	O	|	|	|	|	0.01
48.500	0.00	0.02	0.012	O	|	|	|	|	0.01
48.583	0.00	0.02	0.012	O	|	|	|	|	0.01
48.667	0.00	0.02	0.012	O	|	|	|	|	0.01
48.750	0.00	0.02	0.012	O	|	|	|	|	0.01
48.833	0.00	0.02	0.012	O	|	|	|	|	0.01
48.917	0.00	0.02	0.012	O	|	|	|	|	0.01
49.000	0.00	0.02	0.011	O	|	|	|	|	0.01
49.083	0.00	0.02	0.011	O	|	|	|	|	0.01
49.167	0.00	0.02	0.011	O	|	|	|	|	0.01
49.250	0.00	0.02	0.011	O	|	|	|	|	0.01
49.333	0.00	0.02	0.011	O	|	|	|	|	0.01
49.417	0.00	0.02	0.011	O	|	|	|	|	0.01
49.500	0.00	0.02	0.011	O	|	|	|	|	0.01
49.583	0.00	0.02	0.010	O	|	|	|	|	0.01
49.667	0.00	0.02	0.010	O	|	|	|	|	0.01
49.750	0.00	0.02	0.010	O	|	|	|	|	0.01
49.833	0.00	0.02	0.010	O	|	|	|	|	0.01
49.917	0.00	0.02	0.010	O	|	|	|	|	0.01
50.000	0.00	0.02	0.010	O	|	|	|	|	0.01
50.083	0.00	0.02	0.010	O	|	|	|	|	0.01
50.167	0.00	0.02	0.009	O	|	|	|	|	0.01
50.250	0.00	0.02	0.009	O	|	|	|	|	0.01
50.333	0.00	0.02	0.009	O	|	|	|	|	0.01
50.417	0.00	0.02	0.009	O	|	|	|	|	0.01
50.500	0.00	0.02	0.009	O	|	|	|	|	0.01
50.583	0.00	0.02	0.009	O	|	|	|	|	0.01
50.667	0.00	0.02	0.009	O	|	|	|	|	0.01
50.750	0.00	0.02	0.009	O	|	|	|	|	0.01
50.833	0.00	0.02	0.008	O	|	|	|	|	0.01
50.917	0.00	0.02	0.008	O	|	|	|	|	0.01
51.000	0.00	0.02	0.008	O	|	|	|	|	0.01
51.083	0.00	0.02	0.008	O	|	|	|	|	0.01
51.167	0.00	0.02	0.008	O	|	|	|	|	0.01
51.250	0.00	0.02	0.008	O	|	|	|	|	0.01

51.333	0.00	0.02	0.008	O	|	|	|	|	0.01
51.417	0.00	0.02	0.008	O	|	|	|	|	0.01
51.500	0.00	0.01	0.008	O	|	|	|	|	0.01
51.583	0.00	0.01	0.008	O	|	|	|	|	0.01
51.667	0.00	0.01	0.007	O	|	|	|	|	0.01
51.750	0.00	0.01	0.007	O	|	|	|	|	0.01
51.833	0.00	0.01	0.007	O	|	|	|	|	0.01
51.917	0.00	0.01	0.007	O	|	|	|	|	0.01
52.000	0.00	0.01	0.007	O	|	|	|	|	0.01
52.083	0.00	0.01	0.007	O	|	|	|	|	0.01
52.167	0.00	0.01	0.007	O	|	|	|	|	0.01
52.250	0.00	0.01	0.007	O	|	|	|	|	0.01
52.333	0.00	0.01	0.007	O	|	|	|	|	0.01
52.417	0.00	0.01	0.007	O	|	|	|	|	0.01
52.500	0.00	0.01	0.006	O	|	|	|	|	0.01
52.583	0.00	0.01	0.006	O	|	|	|	|	0.01
52.667	0.00	0.01	0.006	O	|	|	|	|	0.01
52.750	0.00	0.01	0.006	O	|	|	|	|	0.00
52.833	0.00	0.01	0.006	O	|	|	|	|	0.00
52.917	0.00	0.01	0.006	O	|	|	|	|	0.00
53.000	0.00	0.01	0.006	O	|	|	|	|	0.00
53.083	0.00	0.01	0.006	O	|	|	|	|	0.00
53.167	0.00	0.01	0.006	O	|	|	|	|	0.00
53.250	0.00	0.01	0.006	O	|	|	|	|	0.00
53.333	0.00	0.01	0.006	O	|	|	|	|	0.00
53.417	0.00	0.01	0.006	O	|	|	|	|	0.00
53.500	0.00	0.01	0.006	O	|	|	|	|	0.00
53.583	0.00	0.01	0.005	O	|	|	|	|	0.00
53.667	0.00	0.01	0.005	O	|	|	|	|	0.00
53.750	0.00	0.01	0.005	O	|	|	|	|	0.00
53.833	0.00	0.01	0.005	O	|	|	|	|	0.00
53.917	0.00	0.01	0.005	O	|	|	|	|	0.00
54.000	0.00	0.01	0.005	O	|	|	|	|	0.00
54.083	0.00	0.01	0.005	O	|	|	|	|	0.00
54.167	0.00	0.01	0.005	O	|	|	|	|	0.00
54.250	0.00	0.01	0.005	O	|	|	|	|	0.00
54.333	0.00	0.01	0.005	O	|	|	|	|	0.00
54.417	0.00	0.01	0.005	O	|	|	|	|	0.00
54.500	0.00	0.01	0.005	O	|	|	|	|	0.00
54.583	0.00	0.01	0.005	O	|	|	|	|	0.00
54.667	0.00	0.01	0.005	O	|	|	|	|	0.00
54.750	0.00	0.01	0.005	O	|	|	|	|	0.00
54.833	0.00	0.01	0.004	O	|	|	|	|	0.00
54.917	0.00	0.01	0.004	O	|	|	|	|	0.00
55.000	0.00	0.01	0.004	O	|	|	|	|	0.00
55.083	0.00	0.01	0.004	O	|	|	|	|	0.00
55.167	0.00	0.01	0.004	O	|	|	|	|	0.00
55.250	0.00	0.01	0.004	O	|	|	|	|	0.00
55.333	0.00	0.01	0.004	O	|	|	|	|	0.00
55.417	0.00	0.01	0.004	O	|	|	|	|	0.00
55.500	0.00	0.01	0.004	O	|	|	|	|	0.00
55.583	0.00	0.01	0.004	O	|	|	|	|	0.00
55.667	0.00	0.01	0.004	O	|	|	|	|	0.00
55.750	0.00	0.01	0.004	O	|	|	|	|	0.00
55.833	0.00	0.01	0.004	O	|	|	|	|	0.00
55.917	0.00	0.01	0.004	O	|	|	|	|	0.00
56.000	0.00	0.01	0.004	O	|	|	|	|	0.00
56.083	0.00	0.01	0.004	O	|	|	|	|	0.00
56.167	0.00	0.01	0.004	O	|	|	|	|	0.00
56.250	0.00	0.01	0.004	O	|	|	|	|	0.00
56.333	0.00	0.01	0.003	O	|	|	|	|	0.00
56.417	0.00	0.01	0.003	O	|	|	|	|	0.00
56.500	0.00	0.01	0.003	O	|	|	|	|	0.00
56.583	0.00	0.01	0.003	O	|	|	|	|	0.00
56.667	0.00	0.01	0.003	O	|	|	|	|	0.00
56.750	0.00	0.01	0.003	O	|	|	|	|	0.00
56.833	0.00	0.01	0.003	O	|	|	|	|	0.00
56.917	0.00	0.01	0.003	O	|	|	|	|	0.00

57.000	0.00	0.01	0.003	O					0.00
57.083	0.00	0.01	0.003	O					0.00
57.167	0.00	0.01	0.003	O					0.00
57.250	0.00	0.01	0.003	O					0.00
57.333	0.00	0.01	0.003	O					0.00
57.417	0.00	0.01	0.003	O					0.00
57.500	0.00	0.01	0.003	O					0.00
57.583	0.00	0.01	0.003	O					0.00
57.667	0.00	0.01	0.003	O					0.00
57.750	0.00	0.01	0.003	O					0.00
57.833	0.00	0.01	0.003	O					0.00
57.917	0.00	0.01	0.003	O					0.00
58.000	0.00	0.01	0.003	O					0.00
58.083	0.00	0.01	0.003	O					0.00
58.167	0.00	0.01	0.003	O					0.00
58.250	0.00	0.01	0.003	O					0.00
58.333	0.00	0.00	0.003	O					0.00
58.417	0.00	0.00	0.002	O					0.00
58.500	0.00	0.00	0.002	O					0.00
58.583	0.00	0.00	0.002	O					0.00
58.667	0.00	0.00	0.002	O					0.00
58.750	0.00	0.00	0.002	O					0.00
58.833	0.00	0.00	0.002	O					0.00
58.917	0.00	0.00	0.002	O					0.00
59.000	0.00	0.00	0.002	O					0.00
59.083	0.00	0.00	0.002	O					0.00
59.167	0.00	0.00	0.002	O					0.00
59.250	0.00	0.00	0.002	O					0.00
59.333	0.00	0.00	0.002	O					0.00
59.417	0.00	0.00	0.002	O					0.00
59.500	0.00	0.00	0.002	O					0.00
59.583	0.00	0.00	0.002	O					0.00
59.667	0.00	0.00	0.002	O					0.00
59.750	0.00	0.00	0.002	O					0.00
59.833	0.00	0.00	0.002	O					0.00
59.917	0.00	0.00	0.002	O					0.00
60.000	0.00	0.00	0.002	O					0.00
60.083	0.00	0.00	0.002	O					0.00
60.167	0.00	0.00	0.002	O					0.00
60.250	0.00	0.00	0.002	O					0.00
60.333	0.00	0.00	0.002	O					0.00
60.417	0.00	0.00	0.002	O					0.00
60.500	0.00	0.00	0.002	O					0.00
60.583	0.00	0.00	0.002	O					0.00
60.667	0.00	0.00	0.002	O					0.00
60.750	0.00	0.00	0.002	O					0.00
60.833	0.00	0.00	0.002	O					0.00
60.917	0.00	0.00	0.002	O					0.00
61.000	0.00	0.00	0.002	O					0.00
61.083	0.00	0.00	0.002	O					0.00
61.167	0.00	0.00	0.002	O					0.00
61.250	0.00	0.00	0.002	O					0.00
61.333	0.00	0.00	0.002	O					0.00
61.417	0.00	0.00	0.002	O					0.00
61.500	0.00	0.00	0.002	O					0.00
61.583	0.00	0.00	0.001	O					0.00
61.667	0.00	0.00	0.001	O					0.00
61.750	0.00	0.00	0.001	O					0.00
61.833	0.00	0.00	0.001	O					0.00
61.917	0.00	0.00	0.001	O					0.00
62.000	0.00	0.00	0.001	O					0.00
62.083	0.00	0.00	0.001	O					0.00
62.167	0.00	0.00	0.001	O					0.00
62.250	0.00	0.00	0.001	O					0.00
62.333	0.00	0.00	0.001	O					0.00
62.417	0.00	0.00	0.001	O					0.00
62.500	0.00	0.00	0.001	O					0.00
62.583	0.00	0.00	0.001	O					0.00

```
62.667    0.00    0.00      0.001  O       |       |       |       |     0.00
62.750    0.00    0.00      0.001  O       |       |       |       |     0.00

      Remaining water in basin =    0.00 (Ac.Ft)


      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =   753
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =        5.972 (CFS)
                  Total volume =       8.034 (Ac.Ft)
            Status of hydrographs being held in storage
                        Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ***********************************************************************

      ----------------------------------------------------------------------
```

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/29/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: BASIN2410.rte
********** Hydrograph Information **********
From manual input hydrograph

**********HYDROGRAPH DATA**********

Number of intervals = 41
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 42.040 (CFS)
Total volume = 4.257 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN J-ROUTING, BASED ON MANUAL UH WITH REDUCED PEAK BY 70CFS
DUE TO FLOW BY OF 70CFS BOWNSTREAM.
10YR-24HR STORM

++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 41
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.250	2.440	1.242	1.258
2.000	2.600	3.620	2.588	2.612
4.000	5.600	5.240	5.582	5.618
6.000	9.000	6.460	8.978	9.022
8.000	12.840	11.460	12.801	12.879
9.000	14.930	92.740	14.611	15.249
10.000	17.130	240.050	16.303	17.957

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 10.5 21.02 31.53 42.04 Depth (Ft.)

0.083	1.93	0.01	0.007	OI	|	|	|	|	0.01
0.167	4.75	0.06	0.029	O I	|	|	|	|	0.02
0.250	7.86	0.14	0.072	O I	|	|	|	|	0.06
0.333	9.40	0.25	0.130	O I	|	|	|	|	0.10
0.417	11.54	0.39	0.200	O I	|	|	|	|	0.16
0.500	15.73	0.57	0.291	O | I	|	|	|	|	0.23
0.583	17.55	0.78	0.401	O | I	|	|	|	|	0.32
0.667	18.92	1.02	0.520	O | I	|	|	|	|	0.42
0.750	21.19	1.27	0.650	O | I	|	|	|	|	0.52
0.833	22.20	1.54	0.790	|O | I	|	|	|	|	0.63
0.917	25.86	1.84	0.944	|O | I	|	|	|	|	0.76
1.000	35.23	2.23	1.140	|O | I	|	|	|	|	0.91
1.083	38.80	2.55	1.379	|O | I	|	|	|	|	1.10
1.167	40.41	2.77	1.633	| O | I	|	|	|	|	1.28
1.250	41.37	3.00	1.895	| O | I	|	|	|	|	1.48
1.333	42.04	3.24	2.161	| O | I	|	|	|	|	1.67
1.417	35.57	3.45	2.405	| O | I	|	|	|	|	1.86
1.500	16.04	3.58	2.558	| O | I	|	|	|	|	1.97
1.583	9.13	3.63	2.620	| O I	|	|	|	|	2.01
1.667	6.03	3.65	2.647	| O I	|	|	|	|	2.03
1.750	4.28	3.65	2.658	| OI	|	|	|	|	2.04
1.833	3.18	3.65	2.658	| O	|	|	|	|	2.04
1.917	4.99	3.65	2.661	| OI	|	|	|	|	2.04
2.000	11.78	3.67	2.694	| O I	|	|	|	|	2.06
2.083	14.00	3.70	2.757	| O | I	|	|	|	|	2.10
2.167	14.61	3.74	2.830	| O | I	|	|	|	|	2.15
2.250	13.55	3.78	2.901	| O | I	|	|	|	|	2.20
2.333	13.41	3.82	2.968	| O | I	|	|	|	|	2.25
2.417	13.49	3.85	3.034	| O | I	|	|	|	|	2.29
2.500	13.59	3.89	3.100	| O | I	|	|	|	|	2.33
2.583	13.74	3.93	3.168	| O | I	|	|	|	|	2.38
2.667	13.12	3.96	3.233	| O | I	|	|	|	|	2.42
2.750	11.35	3.99	3.290	| O I	|	|	|	|	2.46
2.833	10.73	4.02	3.338	| O I	|	|	|	|	2.49
2.917	9.89	4.04	3.382	| O I	|	|	|	|	2.52
3.000	7.99	4.06	3.415	| O I	|	|	|	|	2.54
3.083	7.31	4.07	3.440	| O I	|	|	|	|	2.56
3.167	6.40	4.08	3.459	| OI	|	|	|	|	2.57
3.250	4.46	4.09	3.468	| O	|	|	|	|	2.58
3.333	3.72	**4.09**	**3.468**	**| IO**	**|**	**|**	**|**	**|**	**2.58**
3.417	0.92	4.08	3.456	I O	|	|	|	|	2.57
3.500	0.00	4.07	3.431	I O	|	|	|	|	2.55
3.583	0.00	4.05	3.403	I O	|	|	|	|	2.54
3.667	0.00	4.04	3.375	I O	|	|	|	|	2.52
3.750	0.00	4.02	3.348	I O	|	|	|	|	2.50
3.833	0.00	4.01	3.320	I O	|	|	|	|	2.48
3.917	0.00	3.99	3.292	I O	|	|	|	|	2.46
4.000	0.00	3.98	3.265	I O	|	|	|	|	2.44
4.083	0.00	3.96	3.238	I O	|	|	|	|	2.43
4.167	0.00	3.95	3.210	I O	|	|	|	|	2.41
4.250	0.00	3.93	3.183	I O	|	|	|	|	2.39
4.333	0.00	3.92	3.156	I O	|	|	|	|	2.37
4.417	0.00	3.91	3.129	I O	|	|	|	|	2.35
4.500	0.00	3.89	3.102	I O	|	|	|	|	2.33
4.583	0.00	3.88	3.076	I O	|	|	|	|	2.32
4.667	0.00	3.86	3.049	I O	|	|	|	|	2.30
4.750	0.00	3.85	3.022	I O	|	|	|	|	2.28
4.833	0.00	3.83	2.996	I O	|	|	|	|	2.26
4.917	0.00	3.82	2.970	I O	|	|	|	|	2.25
5.000	0.00	3.81	2.943	I O	|	|	|	|	2.23
5.083	0.00	3.79	2.917	I O	|	|	|	|	2.21
5.167	0.00	3.78	2.891	I O	|	|	|	|	2.19
5.250	0.00	3.76	2.865	I O	|	|	|	|	2.18
5.333	0.00	3.75	2.839	I O	|	|	|	|	2.16
5.417	0.00	3.74	2.813	I O	|	|	|	|	2.14
5.500	0.00	3.72	2.788	I O	|	|	|	|	2.13
5.583	0.00	3.71	2.762	I O	|	|	|	|	2.11
5.667	0.00	3.69	2.737	I O	|	|	|	|	2.09

5.750	0.00	3.68	2.711	I O	|	|	|	2.07
5.833	0.00	3.67	2.686	I O	|	|	|	2.06
5.917	0.00	3.65	2.661	I O	|	|	|	2.04
6.000	0.00	3.64	2.636	I O	|	|	|	2.02
6.083	0.00	3.63	2.611	I O	|	|	|	2.01
6.167	0.00	3.61	2.586	I O	|	|	|	1.99
6.250	0.00	3.59	2.561	I O	|	|	|	1.97
6.333	0.00	3.56	2.536	I O	|	|	|	1.95
6.417	0.00	3.54	2.512	I O	|	|	|	1.93
6.500	0.00	3.52	2.488	I O	|	|	|	1.92
6.583	0.00	3.50	2.463	I O	|	|	|	1.90
6.667	0.00	3.48	2.439	I O	|	|	|	1.88
6.750	0.00	3.46	2.415	I O	|	|	|	1.86
6.833	0.00	3.44	2.392	I O	|	|	|	1.85
6.917	0.00	3.42	2.368	I O	|	|	|	1.83
7.000	0.00	3.40	2.345	I O	|	|	|	1.81
7.083	0.00	3.38	2.321	I O	|	|	|	1.79
7.167	0.00	3.36	2.298	I O	|	|	|	1.78
7.250	0.00	3.34	2.275	I O	|	|	|	1.76
7.333	0.00	3.32	2.252	I O	|	|	|	1.74
7.417	0.00	3.30	2.229	I O	|	|	|	1.73
7.500	0.00	3.28	2.207	I O	|	|	|	1.71
7.583	0.00	3.26	2.184	I O	|	|	|	1.69
7.667	0.00	3.24	2.162	I O	|	|	|	1.68
7.750	0.00	3.22	2.140	I O	|	|	|	1.66
7.833	0.00	3.20	2.118	I O	|	|	|	1.64
7.917	0.00	3.18	2.096	I O	|	|	|	1.63
8.000	0.00	3.16	2.074	I O	|	|	|	1.61
8.083	0.00	3.14	2.052	I O	|	|	|	1.59
8.167	0.00	3.12	2.031	I O	|	|	|	1.58
8.250	0.00	3.10	2.009	I O	|	|	|	1.56
8.333	0.00	3.08	1.988	I O	|	|	|	1.55
8.417	0.00	3.07	1.967	I O	|	|	|	1.53
8.500	0.00	3.05	1.946	I O	|	|	|	1.52
8.583	0.00	3.03	1.925	I O	|	|	|	1.50
8.667	0.00	3.01	1.904	I O	|	|	|	1.48
8.750	0.00	2.99	1.883	I O	|	|	|	1.47
8.833	0.00	2.98	1.863	I O	|	|	|	1.45
8.917	0.00	2.96	1.842	I O	|	|	|	1.44
9.000	0.00	2.94	1.822	I O	|	|	|	1.42
9.083	0.00	2.92	1.802	I O	|	|	|	1.41
9.167	0.00	2.90	1.782	I O	|	|	|	1.39
9.250	0.00	2.89	1.762	I O	|	|	|	1.38
9.333	0.00	2.87	1.742	I O	|	|	|	1.36
9.417	0.00	2.85	1.722	I O	|	|	|	1.35
9.500	0.00	2.84	1.703	I O	|	|	|	1.34
9.583	0.00	2.82	1.683	I O	|	|	|	1.32
9.667	0.00	2.80	1.664	I O	|	|	|	1.31
9.750	0.00	2.78	1.645	I O	|	|	|	1.29
9.833	0.00	2.77	1.625	I O	|	|	|	1.28
9.917	0.00	2.75	1.606	I O	|	|	|	1.26
10.000	0.00	2.73	1.587	I O	|	|	|	1.25
10.083	0.00	2.72	1.569	I O	|	|	|	1.24
10.167	0.00	2.70	1.550	I O	|	|	|	1.22
10.250	0.00	2.69	1.531	I O	|	|	|	1.21
10.333	0.00	2.67	1.513	I O	|	|	|	1.19
10.417	0.00	2.65	1.495	I O	|	|	|	1.18
10.500	0.00	2.64	1.476	I O	|	|	|	1.17
10.583	0.00	2.62	1.458	IO	|	|	|	1.15
10.667	0.00	2.61	1.440	IO	|	|	|	1.14
10.750	0.00	2.59	1.422	IO	|	|	|	1.13
10.833	0.00	2.58	1.405	IO	|	|	|	1.11
10.917	0.00	2.56	1.387	IO	|	|	|	1.10
11.000	0.00	2.54	1.369	IO	|	|	|	1.09
11.083	0.00	2.53	1.352	IO	|	|	|	1.08
11.167	0.00	2.51	1.335	IO	|	|	|	1.06
11.250	0.00	2.50	1.317	IO	|	|	|	1.05
11.333	0.00	2.48	1.300	IO	|	|	|	1.04

11.417	0.00	2.47	1.283	IO	|	|	|	1.02
11.500	0.00	2.45	1.266	IO	|	|	|	1.01
11.583	0.00	2.44	1.249	IO	|	|	|	1.00
11.667	0.00	2.41	1.233	IO	|	|	|	0.99
11.750	0.00	2.37	1.216	IO	|	|	|	0.97
11.833	0.00	2.34	1.200	IO	|	|	|	0.96
11.917	0.00	2.31	1.184	IO	|	|	|	0.95
12.000	0.00	2.28	1.168	IO	|	|	|	0.93
12.083	0.00	2.25	1.153	IO	|	|	|	0.92
12.167	0.00	2.22	1.137	IO	|	|	|	0.91
12.250	0.00	2.19	1.122	IO	|	|	|	0.90
12.333	0.00	2.16	1.107	IO	|	|	|	0.89
12.417	0.00	2.13	1.092	IO	|	|	|	0.87
12.500	0.00	2.10	1.078	IO	|	|	|	0.86
12.583	0.00	2.08	1.063	IO	|	|	|	0.85
12.667	0.00	2.05	1.049	IO	|	|	|	0.84
12.750	0.00	2.02	1.035	IO	|	|	|	0.83
12.833	0.00	1.99	1.021	IO	|	|	|	0.82
12.917	0.00	1.97	1.008	IO	|	|	|	0.81
13.000	0.00	1.94	0.994	IO	|	|	|	0.80
13.083	0.00	1.91	0.981	IO	|	|	|	0.78
13.167	0.00	1.89	0.968	IO	|	|	|	0.77
13.250	0.00	1.86	0.955	IO	|	|	|	0.76
13.333	0.00	1.84	0.942	IO	|	|	|	0.75
13.417	0.00	1.81	0.929	IO	|	|	|	0.74
13.500	0.00	1.79	0.917	IO	|	|	|	0.73
13.583	0.00	1.77	0.905	IO	|	|	|	0.72
13.667	0.00	1.74	0.893	IO	|	|	|	0.71
13.750	0.00	1.72	0.881	IO	|	|	|	0.70
13.833	0.00	1.70	0.869	IO	|	|	|	0.70
13.917	0.00	1.67	0.857	IO	|	|	|	0.69
14.000	0.00	1.65	0.846	IO	|	|	|	0.68
14.083	0.00	1.63	0.835	IO	|	|	|	0.67
14.167	0.00	1.61	0.824	IO	|	|	|	0.66
14.250	0.00	1.59	0.813	IO	|	|	|	0.65
14.333	0.00	1.56	0.802	IO	|	|	|	0.64
14.417	0.00	1.54	0.791	IO	|	|	|	0.63
14.500	0.00	1.52	0.780	IO	|	|	|	0.62
14.583	0.00	1.50	0.770	IO	|	|	|	0.62
14.667	0.00	1.48	0.760	IO	|	|	|	0.61
14.750	0.00	1.46	0.750	IO	|	|	|	0.60
14.833	0.00	1.44	0.740	IO	|	|	|	0.59
14.917	0.00	1.42	0.730	IO	|	|	|	0.58
15.000	0.00	1.41	0.720	IO	|	|	|	0.58
15.083	0.00	1.39	0.710	IO	|	|	|	0.57
15.167	0.00	1.37	0.701	IO	|	|	|	0.56
15.250	0.00	1.35	0.691	IO	|	|	|	0.55
15.333	0.00	1.33	0.682	IO	|	|	|	0.55
15.417	0.00	1.31	0.673	IO	|	|	|	0.54
15.500	0.00	1.30	0.664	O	|	|	|	0.53
15.583	0.00	1.28	0.655	O	|	|	|	0.52
15.667	0.00	1.26	0.647	O	|	|	|	0.52
15.750	0.00	1.25	0.638	O	|	|	|	0.51
15.833	0.00	1.23	0.629	O	|	|	|	0.50
15.917	0.00	1.21	0.621	O	|	|	|	0.50
16.000	0.00	1.20	0.613	O	|	|	|	0.49
16.083	0.00	1.18	0.604	O	|	|	|	0.48
16.167	0.00	1.16	0.596	O	|	|	|	0.48
16.250	0.00	1.15	0.588	O	|	|	|	0.47
16.333	0.00	1.13	0.581	O	|	|	|	0.46
16.417	0.00	1.12	0.573	O	|	|	|	0.46
16.500	0.00	1.10	0.565	O	|	|	|	0.45
16.583	0.00	1.09	0.558	O	|	|	|	0.45
16.667	0.00	1.07	0.550	O	|	|	|	0.44
16.750	0.00	1.06	0.543	O	|	|	|	0.43
16.833	0.00	1.05	0.536	O	|	|	|	0.43
16.917	0.00	1.03	0.528	O	|	|	|	0.42
17.000	0.00	1.02	0.521	O	|	|	|	0.42

17.083	0.00	1.00	0.514	O	|	|	|	|	0.41
17.167	0.00	0.99	0.508	O	|	|	|	|	0.41
17.250	0.00	0.98	0.501	O	|	|	|	|	0.40
17.333	0.00	0.96	0.494	O	|	|	|	|	0.40
17.417	0.00	0.95	0.487	O	|	|	|	|	0.39
17.500	0.00	0.94	0.481	O	|	|	|	|	0.38
17.583	0.00	0.93	0.475	O	|	|	|	|	0.38
17.667	0.00	0.91	0.468	O	|	|	|	|	0.37
17.750	0.00	0.90	0.462	O	|	|	|	|	0.37
17.833	0.00	0.89	0.456	O	|	|	|	|	0.36
17.917	0.00	0.88	0.450	O	|	|	|	|	0.36
18.000	0.00	0.87	0.444	O	|	|	|	|	0.35
18.083	0.00	0.85	0.438	O	|	|	|	|	0.35
18.167	0.00	0.84	0.432	O	|	|	|	|	0.35
18.250	0.00	0.83	0.426	O	|	|	|	|	0.34
18.333	0.00	0.82	0.420	O	|	|	|	|	0.34
18.417	0.00	0.81	0.415	O	|	|	|	|	0.33
18.500	0.00	0.80	0.409	O	|	|	|	|	0.33
18.583	0.00	0.79	0.404	O	|	|	|	|	0.32
18.667	0.00	0.78	0.398	O	|	|	|	|	0.32
18.750	0.00	0.77	0.393	O	|	|	|	|	0.31
18.833	0.00	0.76	0.388	O	|	|	|	|	0.31
18.917	0.00	0.75	0.383	O	|	|	|	|	0.31
19.000	0.00	0.74	0.378	O	|	|	|	|	0.30
19.083	0.00	0.73	0.373	O	|	|	|	|	0.30
19.167	0.00	0.72	0.368	O	|	|	|	|	0.29
19.250	0.00	0.71	0.363	O	|	|	|	|	0.29
19.333	0.00	0.70	0.358	O	|	|	|	|	0.29
19.417	0.00	0.69	0.353	O	|	|	|	|	0.28
19.500	0.00	0.68	0.348	O	|	|	|	|	0.28
19.583	0.00	0.67	0.344	O	|	|	|	|	0.27
19.667	0.00	0.66	0.339	O	|	|	|	|	0.27
19.750	0.00	0.65	0.335	O	|	|	|	|	0.27
19.833	0.00	0.64	0.330	O	|	|	|	|	0.26
19.917	0.00	0.64	0.326	O	|	|	|	|	0.26
20.000	0.00	0.63	0.321	O	|	|	|	|	0.26
20.083	0.00	0.62	0.317	O	|	|	|	|	0.25
20.167	0.00	0.61	0.313	O	|	|	|	|	0.25
20.250	0.00	0.60	0.309	O	|	|	|	|	0.25
20.333	0.00	0.59	0.305	O	|	|	|	|	0.24
20.417	0.00	0.59	0.300	O	|	|	|	|	0.24
20.500	0.00	0.58	0.296	O	|	|	|	|	0.24
20.583	0.00	0.57	0.292	O	|	|	|	|	0.23
20.667	0.00	0.56	0.289	O	|	|	|	|	0.23
20.750	0.00	0.56	0.285	O	|	|	|	|	0.23
20.833	0.00	0.55	0.281	O	|	|	|	|	0.22
20.917	0.00	0.54	0.277	O	|	|	|	|	0.22
21.000	0.00	0.53	0.273	O	|	|	|	|	0.22
21.083	0.00	0.53	0.270	O	|	|	|	|	0.22
21.167	0.00	0.52	0.266	O	|	|	|	|	0.21
21.250	0.00	0.51	0.263	O	|	|	|	|	0.21
21.333	0.00	0.51	0.259	O	|	|	|	|	0.21
21.417	0.00	0.50	0.256	O	|	|	|	|	0.20
21.500	0.00	0.49	0.252	O	|	|	|	|	0.20
21.583	0.00	0.49	0.249	O	|	|	|	|	0.20
21.667	0.00	0.48	0.246	O	|	|	|	|	0.20
21.750	0.00	0.47	0.242	O	|	|	|	|	0.19
21.833	0.00	0.47	0.239	O	|	|	|	|	0.19
21.917	0.00	0.46	0.236	O	|	|	|	|	0.19
22.000	0.00	0.45	0.233	O	|	|	|	|	0.19
22.083	0.00	0.45	0.230	O	|	|	|	|	0.18
22.167	0.00	0.44	0.227	O	|	|	|	|	0.18
22.250	0.00	0.44	0.224	O	|	|	|	|	0.18
22.333	0.00	0.43	0.221	O	|	|	|	|	0.18
22.417	0.00	0.42	0.218	O	|	|	|	|	0.17
22.500	0.00	0.42	0.215	O	|	|	|	|	0.17
22.583	0.00	0.41	0.212	O	|	|	|	|	0.17
22.667	0.00	0.41	0.209	O	|	|	|	|	0.17

22.750	0.00	0.40	0.206	O	|	|	|	|	0.16
22.833	0.00	0.40	0.203	O	|	|	|	|	0.16
22.917	0.00	0.39	0.201	O	|	|	|	|	0.16
23.000	0.00	0.39	0.198	O	|	|	|	|	0.16
23.083	0.00	0.38	0.195	O	|	|	|	|	0.16
23.167	0.00	0.38	0.193	O	|	|	|	|	0.15
23.250	0.00	0.37	0.190	O	|	|	|	|	0.15
23.333	0.00	0.37	0.188	O	|	|	|	|	0.15
23.417	0.00	0.36	0.185	O	|	|	|	|	0.15
23.500	0.00	0.36	0.183	O	|	|	|	|	0.15
23.583	0.00	0.35	0.180	O	|	|	|	|	0.14
23.667	0.00	0.35	0.178	O	|	|	|	|	0.14
23.750	0.00	0.34	0.175	O	|	|	|	|	0.14
23.833	0.00	0.34	0.173	O	|	|	|	|	0.14
23.917	0.00	0.33	0.171	O	|	|	|	|	0.14
24.000	0.00	0.33	0.169	O	|	|	|	|	0.13
24.083	0.00	0.32	0.166	O	|	|	|	|	0.13
24.167	0.00	0.32	0.164	O	|	|	|	|	0.13
24.250	0.00	0.32	0.162	O	|	|	|	|	0.13
24.333	0.00	0.31	0.160	O	|	|	|	|	0.13
24.417	0.00	0.31	0.158	O	|	|	|	|	0.13
24.500	0.00	0.30	0.155	O	|	|	|	|	0.12
24.583	0.00	0.30	0.153	O	|	|	|	|	0.12
24.667	0.00	0.30	0.151	O	|	|	|	|	0.12
24.750	0.00	0.29	0.149	O	|	|	|	|	0.12
24.833	0.00	0.29	0.147	O	|	|	|	|	0.12
24.917	0.00	0.28	0.145	O	|	|	|	|	0.12
25.000	0.00	0.28	0.143	O	|	|	|	|	0.11
25.083	0.00	0.28	0.142	O	|	|	|	|	0.11
25.167	0.00	0.27	0.140	O	|	|	|	|	0.11
25.250	0.00	0.27	0.138	O	|	|	|	|	0.11
25.333	0.00	0.27	0.136	O	|	|	|	|	0.11
25.417	0.00	0.26	0.134	O	|	|	|	|	0.11
25.500	0.00	0.26	0.132	O	|	|	|	|	0.11
25.583	0.00	0.25	0.131	O	|	|	|	|	0.10
25.667	0.00	0.25	0.129	O	|	|	|	|	0.10
25.750	0.00	0.25	0.127	O	|	|	|	|	0.10
25.833	0.00	0.24	0.125	O	|	|	|	|	0.10
25.917	0.00	0.24	0.124	O	|	|	|	|	0.10
26.000	0.00	0.24	0.122	O	|	|	|	|	0.10
26.083	0.00	0.24	0.120	O	|	|	|	|	0.10
26.167	0.00	0.23	0.119	O	|	|	|	|	0.10
26.250	0.00	0.23	0.117	O	|	|	|	|	0.09
26.333	0.00	0.23	0.116	O	|	|	|	|	0.09
26.417	0.00	0.22	0.114	O	|	|	|	|	0.09
26.500	0.00	0.22	0.113	O	|	|	|	|	0.09
26.583	0.00	0.22	0.111	O	|	|	|	|	0.09
26.667	0.00	0.21	0.110	O	|	|	|	|	0.09
26.750	0.00	0.21	0.108	O	|	|	|	|	0.09
26.833	0.00	0.21	0.107	O	|	|	|	|	0.09
26.917	0.00	0.21	0.105	O	|	|	|	|	0.08
27.000	0.00	0.20	0.104	O	|	|	|	|	0.08
27.083	0.00	0.20	0.102	O	|	|	|	|	0.08
27.167	0.00	0.20	0.101	O	|	|	|	|	0.08
27.250	0.00	0.19	0.100	O	|	|	|	|	0.08
27.333	0.00	0.19	0.098	O	|	|	|	|	0.08
27.417	0.00	0.19	0.097	O	|	|	|	|	0.08
27.500	0.00	0.19	0.096	O	|	|	|	|	0.08
27.583	0.00	0.18	0.095	O	|	|	|	|	0.08
27.667	0.00	0.18	0.093	O	|	|	|	|	0.07
27.750	0.00	0.18	0.092	O	|	|	|	|	0.07
27.833	0.00	0.18	0.091	O	|	|	|	|	0.07
27.917	0.00	0.17	0.090	O	|	|	|	|	0.07
28.000	0.00	0.17	0.088	O	|	|	|	|	0.07
28.083	0.00	0.17	0.087	O	|	|	|	|	0.07
28.167	0.00	0.17	0.086	O	|	|	|	|	0.07
28.250	0.00	0.17	0.085	O	|	|	|	|	0.07
28.333	0.00	0.16	0.084	O	|	|	|	|	0.07

28.417	0.00	0.16	0.083	O	|	|	|	|	0.07
28.500	0.00	0.16	0.082	O	|	|	|	|	0.07
28.583	0.00	0.16	0.080	O	|	|	|	|	0.06
28.667	0.00	0.15	0.079	O	|	|	|	|	0.06
28.750	0.00	0.15	0.078	O	|	|	|	|	0.06
28.833	0.00	0.15	0.077	O	|	|	|	|	0.06
28.917	0.00	0.15	0.076	O	|	|	|	|	0.06
29.000	0.00	0.15	0.075	O	|	|	|	|	0.06
29.083	0.00	0.14	0.074	O	|	|	|	|	0.06
29.167	0.00	0.14	0.073	O	|	|	|	|	0.06
29.250	0.00	0.14	0.072	O	|	|	|	|	0.06
29.333	0.00	0.14	0.071	O	|	|	|	|	0.06
29.417	0.00	0.14	0.070	O	|	|	|	|	0.06
29.500	0.00	0.14	0.069	O	|	|	|	|	0.06
29.583	0.00	0.13	0.068	O	|	|	|	|	0.05
29.667	0.00	0.13	0.068	O	|	|	|	|	0.05
29.750	0.00	0.13	0.067	O	|	|	|	|	0.05
29.833	0.00	0.13	0.066	O	|	|	|	|	0.05
29.917	0.00	0.13	0.065	O	|	|	|	|	0.05
30.000	0.00	0.12	0.064	O	|	|	|	|	0.05
30.083	0.00	0.12	0.063	O	|	|	|	|	0.05
30.167	0.00	0.12	0.062	O	|	|	|	|	0.05
30.250	0.00	0.12	0.061	O	|	|	|	|	0.05
30.333	0.00	0.12	0.061	O	|	|	|	|	0.05
30.417	0.00	0.12	0.060	O	|	|	|	|	0.05
30.500	0.00	0.12	0.059	O	|	|	|	|	0.05
30.583	0.00	0.11	0.058	O	|	|	|	|	0.05
30.667	0.00	0.11	0.057	O	|	|	|	|	0.05
30.750	0.00	0.11	0.057	O	|	|	|	|	0.05
30.833	0.00	0.11	0.056	O	|	|	|	|	0.04
30.917	0.00	0.11	0.055	O	|	|	|	|	0.04
31.000	0.00	0.11	0.054	O	|	|	|	|	0.04
31.083	0.00	0.10	0.054	O	|	|	|	|	0.04
31.167	0.00	0.10	0.053	O	|	|	|	|	0.04
31.250	0.00	0.10	0.052	O	|	|	|	|	0.04
31.333	0.00	0.10	0.052	O	|	|	|	|	0.04
31.417	0.00	0.10	0.051	O	|	|	|	|	0.04
31.500	0.00	0.10	0.050	O	|	|	|	|	0.04
31.583	0.00	0.10	0.050	O	|	|	|	|	0.04
31.667	0.00	0.10	0.049	O	|	|	|	|	0.04
31.750	0.00	0.09	0.048	O	|	|	|	|	0.04
31.833	0.00	0.09	0.048	O	|	|	|	|	0.04
31.917	0.00	0.09	0.047	O	|	|	|	|	0.04
32.000	0.00	0.09	0.046	O	|	|	|	|	0.04
32.083	0.00	0.09	0.046	O	|	|	|	|	0.04
32.167	0.00	0.09	0.045	O	|	|	|	|	0.04
32.250	0.00	0.09	0.045	O	|	|	|	|	0.04
32.333	0.00	0.09	0.044	O	|	|	|	|	0.04
32.417	0.00	0.08	0.043	O	|	|	|	|	0.03
32.500	0.00	0.08	0.043	O	|	|	|	|	0.03
32.583	0.00	0.08	0.042	O	|	|	|	|	0.03
32.667	0.00	0.08	0.042	O	|	|	|	|	0.03
32.750	0.00	0.08	0.041	O	|	|	|	|	0.03
32.833	0.00	0.08	0.041	O	|	|	|	|	0.03
32.917	0.00	0.08	0.040	O	|	|	|	|	0.03
33.000	0.00	0.08	0.039	O	|	|	|	|	0.03
33.083	0.00	0.08	0.039	O	|	|	|	|	0.03
33.167	0.00	0.07	0.038	O	|	|	|	|	0.03
33.250	0.00	0.07	0.038	O	|	|	|	|	0.03
33.333	0.00	0.07	0.037	O	|	|	|	|	0.03
33.417	0.00	0.07	0.037	O	|	|	|	|	0.03
33.500	0.00	0.07	0.036	O	|	|	|	|	0.03
33.583	0.00	0.07	0.036	O	|	|	|	|	0.03
33.667	0.00	0.07	0.035	O	|	|	|	|	0.03
33.750	0.00	0.07	0.035	O	|	|	|	|	0.03
33.833	0.00	0.07	0.034	O	|	|	|	|	0.03
33.917	0.00	0.07	0.034	O	|	|	|	|	0.03
34.000	0.00	0.07	0.034	O	|	|	|	|	0.03

34.083	0.00	0.06	0.033	O	|	|	|	|	0.03
34.167	0.00	0.06	0.033	O	|	|	|	|	0.03
34.250	0.00	0.06	0.032	O	|	|	|	|	0.03
34.333	0.00	0.06	0.032	O	|	|	|	|	0.03
34.417	0.00	0.06	0.031	O	|	|	|	|	0.03
34.500	0.00	0.06	0.031	O	|	|	|	|	0.02
34.583	0.00	0.06	0.031	O	|	|	|	|	0.02
34.667	0.00	0.06	0.030	O	|	|	|	|	0.02
34.750	0.00	0.06	0.030	O	|	|	|	|	0.02
34.833	0.00	0.06	0.029	O	|	|	|	|	0.02
34.917	0.00	0.06	0.029	O	|	|	|	|	0.02
35.000	0.00	0.06	0.029	O	|	|	|	|	0.02
35.083	0.00	0.06	0.028	O	|	|	|	|	0.02
35.167	0.00	0.05	0.028	O	|	|	|	|	0.02
35.250	0.00	0.05	0.027	O	|	|	|	|	0.02
35.333	0.00	0.05	0.027	O	|	|	|	|	0.02
35.417	0.00	0.05	0.027	O	|	|	|	|	0.02
35.500	0.00	0.05	0.026	O	|	|	|	|	0.02
35.583	0.00	0.05	0.026	O	|	|	|	|	0.02
35.667	0.00	0.05	0.026	O	|	|	|	|	0.02
35.750	0.00	0.05	0.025	O	|	|	|	|	0.02
35.833	0.00	0.05	0.025	O	|	|	|	|	0.02
35.917	0.00	0.05	0.025	O	|	|	|	|	0.02
36.000	0.00	0.05	0.024	O	|	|	|	|	0.02
36.083	0.00	0.05	0.024	O	|	|	|	|	0.02
36.167	0.00	0.05	0.024	O	|	|	|	|	0.02
36.250	0.00	0.05	0.023	O	|	|	|	|	0.02
36.333	0.00	0.04	0.023	O	|	|	|	|	0.02
36.417	0.00	0.04	0.023	O	|	|	|	|	0.02
36.500	0.00	0.04	0.022	O	|	|	|	|	0.02
36.583	0.00	0.04	0.022	O	|	|	|	|	0.02
36.667	0.00	0.04	0.022	O	|	|	|	|	0.02
36.750	0.00	0.04	0.022	O	|	|	|	|	0.02
36.833	0.00	0.04	0.021	O	|	|	|	|	0.02
36.917	0.00	0.04	0.021	O	|	|	|	|	0.02
37.000	0.00	0.04	0.021	O	|	|	|	|	0.02
37.083	0.00	0.04	0.020	O	|	|	|	|	0.02
37.167	0.00	0.04	0.020	O	|	|	|	|	0.02
37.250	0.00	0.04	0.020	O	|	|	|	|	0.02
37.333	0.00	0.04	0.020	O	|	|	|	|	0.02
37.417	0.00	0.04	0.019	O	|	|	|	|	0.02
37.500	0.00	0.04	0.019	O	|	|	|	|	0.02
37.583	0.00	0.04	0.019	O	|	|	|	|	0.02
37.667	0.00	0.04	0.019	O	|	|	|	|	0.01
37.750	0.00	0.04	0.018	O	|	|	|	|	0.01
37.833	0.00	0.04	0.018	O	|	|	|	|	0.01
37.917	0.00	0.03	0.018	O	|	|	|	|	0.01
38.000	0.00	0.03	0.018	O	|	|	|	|	0.01
38.083	0.00	0.03	0.017	O	|	|	|	|	0.01
38.167	0.00	0.03	0.017	O	|	|	|	|	0.01
38.250	0.00	0.03	0.017	O	|	|	|	|	0.01
38.333	0.00	0.03	0.017	O	|	|	|	|	0.01
38.417	0.00	0.03	0.016	O	|	|	|	|	0.01
38.500	0.00	0.03	0.016	O	|	|	|	|	0.01
38.583	0.00	0.03	0.016	O	|	|	|	|	0.01
38.667	0.00	0.03	0.016	O	|	|	|	|	0.01
38.750	0.00	0.03	0.016	O	|	|	|	|	0.01
38.833	0.00	0.03	0.015	O	|	|	|	|	0.01
38.917	0.00	0.03	0.015	O	|	|	|	|	0.01
39.000	0.00	0.03	0.015	O	|	|	|	|	0.01
39.083	0.00	0.03	0.015	O	|	|	|	|	0.01
39.167	0.00	0.03	0.015	O	|	|	|	|	0.01
39.250	0.00	0.03	0.014	O	|	|	|	|	0.01
39.333	0.00	0.03	0.014	O	|	|	|	|	0.01
39.417	0.00	0.03	0.014	O	|	|	|	|	0.01
39.500	0.00	0.03	0.014	O	|	|	|	|	0.01
39.583	0.00	0.03	0.014	O	|	|	|	|	0.01
39.667	0.00	0.03	0.013	O	|	|	|	|	0.01

39.750	0.00	0.03	0.013	O	|	|	|	|	0.01
39.833	0.00	0.03	0.013	O	|	|	|	|	0.01
39.917	0.00	0.03	0.013	O	|	|	|	|	0.01
40.000	0.00	0.02	0.013	O	|	|	|	|	0.01
40.083	0.00	0.02	0.013	O	|	|	|	|	0.01
40.167	0.00	0.02	0.012	O	|	|	|	|	0.01
40.250	0.00	0.02	0.012	O	|	|	|	|	0.01
40.333	0.00	0.02	0.012	O	|	|	|	|	0.01
40.417	0.00	0.02	0.012	O	|	|	|	|	0.01
40.500	0.00	0.02	0.012	O	|	|	|	|	0.01
40.583	0.00	0.02	0.012	O	|	|	|	|	0.01
40.667	0.00	0.02	0.011	O	|	|	|	|	0.01
40.750	0.00	0.02	0.011	O	|	|	|	|	0.01
40.833	0.00	0.02	0.011	O	|	|	|	|	0.01
40.917	0.00	0.02	0.011	O	|	|	|	|	0.01
41.000	0.00	0.02	0.011	O	|	|	|	|	0.01
41.083	0.00	0.02	0.011	O	|	|	|	|	0.01
41.167	0.00	0.02	0.011	O	|	|	|	|	0.01
41.250	0.00	0.02	0.010	O	|	|	|	|	0.01
41.333	0.00	0.02	0.010	O	|	|	|	|	0.01
41.417	0.00	0.02	0.010	O	|	|	|	|	0.01
41.500	0.00	0.02	0.010	O	|	|	|	|	0.01
41.583	0.00	0.02	0.010	O	|	|	|	|	0.01
41.667	0.00	0.02	0.010	O	|	|	|	|	0.01
41.750	0.00	0.02	0.010	O	|	|	|	|	0.01
41.833	0.00	0.02	0.009	O	|	|	|	|	0.01
41.917	0.00	0.02	0.009	O	|	|	|	|	0.01
42.000	0.00	0.02	0.009	O	|	|	|	|	0.01
42.083	0.00	0.02	0.009	O	|	|	|	|	0.01
42.167	0.00	0.02	0.009	O	|	|	|	|	0.01
42.250	0.00	0.02	0.009	O	|	|	|	|	0.01
42.333	0.00	0.02	0.009	O	|	|	|	|	0.01
42.417	0.00	0.02	0.009	O	|	|	|	|	0.01
42.500	0.00	0.02	0.009	O	|	|	|	|	0.01
42.583	0.00	0.02	0.008	O	|	|	|	|	0.01
42.667	0.00	0.02	0.008	O	|	|	|	|	0.01
42.750	0.00	0.02	0.008	O	|	|	|	|	0.01
42.833	0.00	0.02	0.008	O	|	|	|	|	0.01
42.917	0.00	0.02	0.008	O	|	|	|	|	0.01
43.000	0.00	0.02	0.008	O	|	|	|	|	0.01
43.083	0.00	0.02	0.008	O	|	|	|	|	0.01
43.167	0.00	0.01	0.008	O	|	|	|	|	0.01
43.250	0.00	0.01	0.008	O	|	|	|	|	0.01
43.333	0.00	0.01	0.007	O	|	|	|	|	0.01
43.417	0.00	0.01	0.007	O	|	|	|	|	0.01
43.500	0.00	0.01	0.007	O	|	|	|	|	0.01
43.583	0.00	0.01	0.007	O	|	|	|	|	0.01
43.667	0.00	0.01	0.007	O	|	|	|	|	0.01
43.750	0.00	0.01	0.007	O	|	|	|	|	0.01
43.833	0.00	0.01	0.007	O	|	|	|	|	0.01
43.917	0.00	0.01	0.007	O	|	|	|	|	0.01
44.000	0.00	0.01	0.007	O	|	|	|	|	0.01
44.083	0.00	0.01	0.007	O	|	|	|	|	0.01
44.167	0.00	0.01	0.007	O	|	|	|	|	0.01
44.250	0.00	0.01	0.006	O	|	|	|	|	0.01
44.333	0.00	0.01	0.006	O	|	|	|	|	0.01
44.417	0.00	0.01	0.006	O	|	|	|	|	0.01
44.500	0.00	0.01	0.006	O	|	|	|	|	0.00
44.583	0.00	0.01	0.006	O	|	|	|	|	0.00
44.667	0.00	0.01	0.006	O	|	|	|	|	0.00
44.750	0.00	0.01	0.006	O	|	|	|	|	0.00
44.833	0.00	0.01	0.006	O	|	|	|	|	0.00
44.917	0.00	0.01	0.006	O	|	|	|	|	0.00
45.000	0.00	0.01	0.006	O	|	|	|	|	0.00
45.083	0.00	0.01	0.006	O	|	|	|	|	0.00
45.167	0.00	0.01	0.006	O	|	|	|	|	0.00
45.250	0.00	0.01	0.005	O	|	|	|	|	0.00
45.333	0.00	0.01	0.005	O	|	|	|	|	0.00

45.417	0.00	0.01	0.005	O	|	|	|	|	0.00
45.500	0.00	0.01	0.005	O	|	|	|	|	0.00
45.583	0.00	0.01	0.005	O	|	|	|	|	0.00
45.667	0.00	0.01	0.005	O	|	|	|	|	0.00
45.750	0.00	0.01	0.005	O	|	|	|	|	0.00
45.833	0.00	0.01	0.005	O	|	|	|	|	0.00
45.917	0.00	0.01	0.005	O	|	|	|	|	0.00
46.000	0.00	0.01	0.005	O	|	|	|	|	0.00
46.083	0.00	0.01	0.005	O	|	|	|	|	0.00
46.167	0.00	0.01	0.005	O	|	|	|	|	0.00
46.250	0.00	0.01	0.005	O	|	|	|	|	0.00
46.333	0.00	0.01	0.005	O	|	|	|	|	0.00
46.417	0.00	0.01	0.005	O	|	|	|	|	0.00
46.500	0.00	0.01	0.004	O	|	|	|	|	0.00
46.583	0.00	0.01	0.004	O	|	|	|	|	0.00
46.667	0.00	0.01	0.004	O	|	|	|	|	0.00
46.750	0.00	0.01	0.004	O	|	|	|	|	0.00
46.833	0.00	0.01	0.004	O	|	|	|	|	0.00
46.917	0.00	0.01	0.004	O	|	|	|	|	0.00
47.000	0.00	0.01	0.004	O	|	|	|	|	0.00
47.083	0.00	0.01	0.004	O	|	|	|	|	0.00
47.167	0.00	0.01	0.004	O	|	|	|	|	0.00
47.250	0.00	0.01	0.004	O	|	|	|	|	0.00
47.333	0.00	0.01	0.004	O	|	|	|	|	0.00
47.417	0.00	0.01	0.004	O	|	|	|	|	0.00
47.500	0.00	0.01	0.004	O	|	|	|	|	0.00
47.583	0.00	0.01	0.004	O	|	|	|	|	0.00
47.667	0.00	0.01	0.004	O	|	|	|	|	0.00
47.750	0.00	0.01	0.004	O	|	|	|	|	0.00
47.833	0.00	0.01	0.004	O	|	|	|	|	0.00
47.917	0.00	0.01	0.004	O	|	|	|	|	0.00
48.000	0.00	0.01	0.004	O	|	|	|	|	0.00
48.083	0.00	0.01	0.003	O	|	|	|	|	0.00
48.167	0.00	0.01	0.003	O	|	|	|	|	0.00
48.250	0.00	0.01	0.003	O	|	|	|	|	0.00
48.333	0.00	0.01	0.003	O	|	|	|	|	0.00
48.417	0.00	0.01	0.003	O	|	|	|	|	0.00
48.500	0.00	0.01	0.003	O	|	|	|	|	0.00
48.583	0.00	0.01	0.003	O	|	|	|	|	0.00
48.667	0.00	0.01	0.003	O	|	|	|	|	0.00
48.750	0.00	0.01	0.003	O	|	|	|	|	0.00
48.833	0.00	0.01	0.003	O	|	|	|	|	0.00
48.917	0.00	0.01	0.003	O	|	|	|	|	0.00
49.000	0.00	0.01	0.003	O	|	|	|	|	0.00
49.083	0.00	0.01	0.003	O	|	|	|	|	0.00
49.167	0.00	0.01	0.003	O	|	|	|	|	0.00
49.250	0.00	0.01	0.003	O	|	|	|	|	0.00
49.333	0.00	0.01	0.003	O	|	|	|	|	0.00
49.417	0.00	0.01	0.003	O	|	|	|	|	0.00
49.500	0.00	0.01	0.003	O	|	|	|	|	0.00
49.583	0.00	0.01	0.003	O	|	|	|	|	0.00
49.667	0.00	0.01	0.003	O	|	|	|	|	0.00
49.750	0.00	0.01	0.003	O	|	|	|	|	0.00
49.833	0.00	0.01	0.003	O	|	|	|	|	0.00
49.917	0.00	0.01	0.003	O	|	|	|	|	0.00
50.000	0.00	0.00	0.003	O	|	|	|	|	0.00
50.083	0.00	0.00	0.003	O	|	|	|	|	0.00
50.167	0.00	0.00	0.002	O	|	|	|	|	0.00
50.250	0.00	0.00	0.002	O	|	|	|	|	0.00
50.333	0.00	0.00	0.002	O	|	|	|	|	0.00
50.417	0.00	0.00	0.002	O	|	|	|	|	0.00
50.500	0.00	0.00	0.002	O	|	|	|	|	0.00
50.583	0.00	0.00	0.002	O	|	|	|	|	0.00
50.667	0.00	0.00	0.002	O	|	|	|	|	0.00
50.750	0.00	0.00	0.002	O	|	|	|	|	0.00
50.833	0.00	0.00	0.002	O	|	|	|	|	0.00
50.917	0.00	0.00	0.002	O	|	|	|	|	0.00
51.000	0.00	0.00	0.002	O	|	|	|	|	0.00

51.083	0.00	0.00	0.002	O	|	|	|	|	0.00
51.167	0.00	0.00	0.002	O	|	|	|	|	0.00
51.250	0.00	0.00	0.002	O	|	|	|	|	0.00
51.333	0.00	0.00	0.002	O	|	|	|	|	0.00
51.417	0.00	0.00	0.002	O	|	|	|	|	0.00
51.500	0.00	0.00	0.002	O	|	|	|	|	0.00
51.583	0.00	0.00	0.002	O	|	|	|	|	0.00
51.667	0.00	0.00	0.002	O	|	|	|	|	0.00
51.750	0.00	0.00	0.002	O	|	|	|	|	0.00
51.833	0.00	0.00	0.002	O	|	|	|	|	0.00
51.917	0.00	0.00	0.002	O	|	|	|	|	0.00
52.000	0.00	0.00	0.002	O	|	|	|	|	0.00
52.083	0.00	0.00	0.002	O	|	|	|	|	0.00
52.167	0.00	0.00	0.002	O	|	|	|	|	0.00
52.250	0.00	0.00	0.002	O	|	|	|	|	0.00
52.333	0.00	0.00	0.002	O	|	|	|	|	0.00
52.417	0.00	0.00	0.002	O	|	|	|	|	0.00
52.500	0.00	0.00	0.002	O	|	|	|	|	0.00
52.583	0.00	0.00	0.002	O	|	|	|	|	0.00
52.667	0.00	0.00	0.002	O	|	|	|	|	0.00
52.750	0.00	0.00	0.002	O	|	|	|	|	0.00
52.833	0.00	0.00	0.002	O	|	|	|	|	0.00
52.917	0.00	0.00	0.002	O	|	|	|	|	0.00
53.000	0.00	0.00	0.002	O	|	|	|	|	0.00
53.083	0.00	0.00	0.002	O	|	|	|	|	0.00
53.167	0.00	0.00	0.002	O	|	|	|	|	0.00
53.250	0.00	0.00	0.002	O	|	|	|	|	0.00
53.333	0.00	0.00	0.001	O	|	|	|	|	0.00
53.417	0.00	0.00	0.001	O	|	|	|	|	0.00
53.500	0.00	0.00	0.001	O	|	|	|	|	0.00
53.583	0.00	0.00	0.001	O	|	|	|	|	0.00
53.667	0.00	0.00	0.001	O	|	|	|	|	0.00
53.750	0.00	0.00	0.001	O	|	|	|	|	0.00
53.833	0.00	0.00	0.001	O	|	|	|	|	0.00
53.917	0.00	0.00	0.001	O	|	|	|	|	0.00
54.000	0.00	0.00	0.001	O	|	|	|	|	0.00
54.083	0.00	0.00	0.001	O	|	|	|	|	0.00
54.167	0.00	0.00	0.001	O	|	|	|	|	0.00
54.250	0.00	0.00	0.001	O	|	|	|	|	0.00
54.333	0.00	0.00	0.001	O	|	|	|	|	0.00
54.417	0.00	0.00	0.001	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 653
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 4.089 (CFS)
Total volume = 4.255 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/28/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: BASIN1100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 12
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 567.820 (CFS)
Total volume = 13.939 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN J- ROUTING, BASED ON MANUAL UH WITH REDUCED PEAK BY 70CFS DUE TO FLOWBY OF 70CFS DOWNSREAM
100YR-1HR STORM

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 12
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.250	2.440	1.242	1.258
2.000	2.600	3.620	2.588	2.612
4.000	5.600	5.240	5.582	5.618
6.000	9.000	6.460	8.978	9.022
8.000	12.840	11.460	12.801	12.879
9.000	14.930	92.740	14.611	15.249
10.000	17.130	240.050	16.303	17.957

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 142.0 283.91 425.87 567.82	Depth (Ft.)

0.083	23.18	0.15	0.079	OI	|	|	|	|	0.06
0.167	40.50	0.58	0.296	O I	|	|	|	|	0.24
0.250	56.30	1.22	0.623	O I	|	|	|	|	0.50
0.333	74.70	2.07	1.063	O I	|	|	|	|	0.85
0.417	99.88	2.79	1.647	O I	|	|	|	|	1.29
0.500	129.42	3.46	2.415	O I	|	|	|	|	1.86
0.583	197.25	4.11	3.514	O	| I	|	|	|	2.61
0.667	388.75	5.19	5.500	O	|	| I	|	|	3.93
0.750	567.82	6.37	8.754	O	|	|	|	I	5.86
0.833	286.25	9.90	11.639	O	|	I	|	|	7.37
0.917	131.02	17.04	12.983	O I	|	|	|	|	8.07
1.000	**28.87**	**31.90**	**13.366**	**|O**	**|**	**|**	**|**	**|**	**8.25**
1.083	0.00	27.77	13.259	IO	|	|	|	|	8.20
1.167	0.00	21.21	13.091	IO	|	|	|	|	8.12
1.250	0.00	16.20	12.962	O	|	|	|	|	8.06
1.333	0.00	12.38	12.864	O	|	|	|	|	8.01
1.417	0.00	11.38	12.782	O	|	|	|	|	7.97
1.500	0.00	11.28	12.704	O	|	|	|	|	7.93
1.583	0.00	11.18	12.626	O	|	|	|	|	7.89
1.667	0.00	11.08	12.550	O	|	|	|	|	7.85
1.750	0.00	10.98	12.474	O	|	|	|	|	7.81
1.833	0.00	10.88	12.398	O	|	|	|	|	7.77
1.917	0.00	10.79	12.324	O	|	|	|	|	7.73
2.000	0.00	10.69	12.250	O	|	|	|	|	7.69
2.083	0.00	10.60	12.176	O	|	|	|	|	7.65
2.167	0.00	10.50	12.104	O	|	|	|	|	7.62
2.250	0.00	10.41	12.032	O	|	|	|	|	7.58
2.333	0.00	10.31	11.960	O	|	|	|	|	7.54
2.417	0.00	10.22	11.890	O	|	|	|	|	7.51
2.500	0.00	10.13	11.820	O	|	|	|	|	7.47
2.583	0.00	10.04	11.750	O	|	|	|	|	7.43
2.667	0.00	9.95	11.681	O	|	|	|	|	7.40
2.750	0.00	9.86	11.613	O	|	|	|	|	7.36
2.833	0.00	9.77	11.545	O	|	|	|	|	7.33
2.917	0.00	9.69	11.478	O	|	|	|	|	7.29
3.000	0.00	9.60	11.412	O	|	|	|	|	7.26
3.083	0.00	9.51	11.346	O	|	|	|	|	7.22
3.167	0.00	9.43	11.281	O	|	|	|	|	7.19
3.250	0.00	9.35	11.216	O	|	|	|	|	7.15
3.333	0.00	9.26	11.152	O	|	|	|	|	7.12
3.417	0.00	9.18	11.089	O	|	|	|	|	7.09
3.500	0.00	9.10	11.026	O	|	|	|	|	7.06
3.583	0.00	9.02	10.963	O	|	|	|	|	7.02
3.667	0.00	8.94	10.902	O	|	|	|	|	6.99
3.750	0.00	8.86	10.840	O	|	|	|	|	6.96
3.833	0.00	8.78	10.780	O	|	|	|	|	6.93
3.917	0.00	8.70	10.719	O	|	|	|	|	6.90
4.000	0.00	8.62	10.660	O	|	|	|	|	6.86
4.083	0.00	8.54	10.601	O	|	|	|	|	6.83
4.167	0.00	8.47	10.542	O	|	|	|	|	6.80
4.250	0.00	8.39	10.484	O	|	|	|	|	6.77
4.333	0.00	8.32	10.427	O	|	|	|	|	6.74
4.417	0.00	8.24	10.369	O	|	|	|	|	6.71
4.500	0.00	8.17	10.313	O	|	|	|	|	6.68
4.583	0.00	8.10	10.257	O	|	|	|	|	6.65
4.667	0.00	8.02	10.201	O	|	|	|	|	6.63
4.750	0.00	7.95	10.146	O	|	|	|	|	6.60
4.833	0.00	7.88	10.092	O	|	|	|	|	6.57
4.917	0.00	7.81	10.038	O	|	|	|	|	6.54
5.000	0.00	7.74	9.984	O	|	|	|	|	6.51
5.083	0.00	7.67	9.931	O	|	|	|	|	6.49
5.167	0.00	7.60	9.879	O	|	|	|	|	6.46
5.250	0.00	7.54	9.826	O	|	|	|	|	6.43
5.333	0.00	7.47	9.775	O	|	|	|	|	6.40
5.417	0.00	7.40	9.724	O	|	|	|	|	6.38
5.500	0.00	7.34	9.673	O	|	|	|	|	6.35
5.583	0.00	7.27	9.623	O	|	|	|	|	6.32
5.667	0.00	7.21	9.573	O	|	|	|	|	6.30

5.750	0.00	7.14	9.523	O	|	|	|	|	6.27
5.833	0.00	7.08	9.474	O	|	|	|	|	6.25
5.917	0.00	7.01	9.426	O	|	|	|	|	6.22
6.000	0.00	6.95	9.378	O	|	|	|	|	6.20
6.083	0.00	6.89	9.330	O	|	|	|	|	6.17
6.167	0.00	6.83	9.283	O	|	|	|	|	6.15
6.250	0.00	6.77	9.236	O	|	|	|	|	6.12
6.333	0.00	6.71	9.190	O	|	|	|	|	6.10
6.417	0.00	6.65	9.144	O	|	|	|	|	6.07
6.500	0.00	6.59	9.098	O	|	|	|	|	6.05
6.583	0.00	6.53	9.053	O	|	|	|	|	6.03
6.667	0.00	6.47	9.008	O	|	|	|	|	6.00
6.750	0.00	6.45	8.964	O	|	|	|	|	5.98
6.833	0.00	6.43	8.919	O	|	|	|	|	5.95
6.917	0.00	6.42	8.875	O	|	|	|	|	5.93
7.000	0.00	6.40	8.831	O	|	|	|	|	5.90
7.083	0.00	6.38	8.787	O	|	|	|	|	5.87
7.167	0.00	6.37	8.743	O	|	|	|	|	5.85
7.250	0.00	6.35	8.699	O	|	|	|	|	5.82
7.333	0.00	6.34	8.655	O	|	|	|	|	5.80
7.417	0.00	6.32	8.612	O	|	|	|	|	5.77
7.500	0.00	6.31	8.568	O	|	|	|	|	5.75
7.583	0.00	6.29	8.525	O	|	|	|	|	5.72
7.667	0.00	6.27	8.482	O	|	|	|	|	5.70
7.750	0.00	6.26	8.439	O	|	|	|	|	5.67
7.833	0.00	6.24	8.396	O	|	|	|	|	5.64
7.917	0.00	6.23	8.353	O	|	|	|	|	5.62
8.000	0.00	6.21	8.310	O	|	|	|	|	5.59
8.083	0.00	6.20	8.267	O	|	|	|	|	5.57
8.167	0.00	6.18	8.224	O	|	|	|	|	5.54
8.250	0.00	6.17	8.182	O	|	|	|	|	5.52
8.333	0.00	6.15	8.140	O	|	|	|	|	5.49
8.417	0.00	6.14	8.097	O	|	|	|	|	5.47
8.500	0.00	6.12	8.055	O	|	|	|	|	5.44
8.583	0.00	6.11	8.013	O	|	|	|	|	5.42
8.667	0.00	6.09	7.971	O	|	|	|	|	5.39
8.750	0.00	6.08	7.929	O	|	|	|	|	5.37
8.833	0.00	6.06	7.887	O	|	|	|	|	5.35
8.917	0.00	6.05	7.846	O	|	|	|	|	5.32
9.000	0.00	6.03	7.804	O	|	|	|	|	5.30
9.083	0.00	6.02	7.762	O	|	|	|	|	5.27
9.167	0.00	6.00	7.721	O	|	|	|	|	5.25
9.250	0.00	5.99	7.680	O	|	|	|	|	5.22
9.333	0.00	5.97	7.639	O	|	|	|	|	5.20
9.417	0.00	5.96	7.598	O	|	|	|	|	5.18
9.500	0.00	5.94	7.557	O	|	|	|	|	5.15
9.583	0.00	5.93	7.516	O	|	|	|	|	5.13
9.667	0.00	5.91	7.475	O	|	|	|	|	5.10
9.750	0.00	5.90	7.434	O	|	|	|	|	5.08
9.833	0.00	5.88	7.394	O	|	|	|	|	5.06
9.917	0.00	5.87	7.353	O	|	|	|	|	5.03
10.000	0.00	5.85	7.313	O	|	|	|	|	5.01
10.083	0.00	5.84	7.273	O	|	|	|	|	4.98
10.167	0.00	5.83	7.232	O	|	|	|	|	4.96
10.250	0.00	5.81	7.192	O	|	|	|	|	4.94
10.333	0.00	5.80	7.152	O	|	|	|	|	4.91
10.417	0.00	5.78	7.112	O	|	|	|	|	4.89
10.500	0.00	5.77	7.073	O	|	|	|	|	4.87
10.583	0.00	5.75	7.033	O	|	|	|	|	4.84
10.667	0.00	5.74	6.993	O	|	|	|	|	4.82
10.750	0.00	5.73	6.954	O	|	|	|	|	4.80
10.833	0.00	5.71	6.915	O	|	|	|	|	4.77
10.917	0.00	5.70	6.875	O	|	|	|	|	4.75
11.000	0.00	5.68	6.836	O	|	|	|	|	4.73
11.083	0.00	5.67	6.797	O	|	|	|	|	4.70
11.167	0.00	5.66	6.758	O	|	|	|	|	4.68
11.250	0.00	5.64	6.719	O	|	|	|	|	4.66
11.333	0.00	5.63	6.680	O	|	|	|	|	4.64

11.417	0.00	5.61	6.642	O	|	|	|	|	4.61
11.500	0.00	5.60	6.603	O	|	|	|	|	4.59
11.583	0.00	5.59	6.564	O	|	|	|	|	4.57
11.667	0.00	5.57	6.526	O	|	|	|	|	4.54
11.750	0.00	5.56	6.488	O	|	|	|	|	4.52
11.833	0.00	5.54	6.449	O	|	|	|	|	4.50
11.917	0.00	5.53	6.411	O	|	|	|	|	4.48
12.000	0.00	5.52	6.373	O	|	|	|	|	4.45
12.083	0.00	5.50	6.335	O	|	|	|	|	4.43
12.167	0.00	5.49	6.297	O	|	|	|	|	4.41
12.250	0.00	5.48	6.260	O	|	|	|	|	4.39
12.333	0.00	5.46	6.222	O	|	|	|	|	4.37
12.417	0.00	5.45	6.184	O	|	|	|	|	4.34
12.500	0.00	5.44	6.147	O	|	|	|	|	4.32
12.583	0.00	5.42	6.110	O	|	|	|	|	4.30
12.667	0.00	5.41	6.072	O	|	|	|	|	4.28
12.750	0.00	5.40	6.035	O	|	|	|	|	4.26
12.833	0.00	5.38	5.998	O	|	|	|	|	4.23
12.917	0.00	5.37	5.961	O	|	|	|	|	4.21
13.000	0.00	5.36	5.924	O	|	|	|	|	4.19
13.083	0.00	5.34	5.887	O	|	|	|	|	4.17
13.167	0.00	5.33	5.850	O	|	|	|	|	4.15
13.250	0.00	5.32	5.814	O	|	|	|	|	4.13
13.333	0.00	5.30	5.777	O	|	|	|	|	4.10
13.417	0.00	5.29	5.741	O	|	|	|	|	4.08
13.500	0.00	5.28	5.704	O	|	|	|	|	4.06
13.583	0.00	5.26	5.668	O	|	|	|	|	4.04
13.667	0.00	5.25	5.632	O	|	|	|	|	4.02
13.750	0.00	5.24	5.596	O	|	|	|	|	4.00
13.833	0.00	5.22	5.560	O	|	|	|	|	3.97
13.917	0.00	5.20	5.524	O	|	|	|	|	3.95
14.000	0.00	5.18	5.488	O	|	|	|	|	3.93
14.083	0.00	5.16	5.452	O	|	|	|	|	3.90
14.167	0.00	5.14	5.417	O	|	|	|	|	3.88
14.250	0.00	5.12	5.382	O	|	|	|	|	3.85
14.333	0.00	5.10	5.346	O	|	|	|	|	3.83
14.417	0.00	5.08	5.311	O	|	|	|	|	3.81
14.500	0.00	5.07	5.276	O	|	|	|	|	3.78
14.583	0.00	5.05	5.242	O	|	|	|	|	3.76
14.667	0.00	5.03	5.207	O	|	|	|	|	3.74
14.750	0.00	5.01	5.172	O	|	|	|	|	3.71
14.833	0.00	4.99	5.138	O	|	|	|	|	3.69
14.917	0.00	4.97	5.104	O	|	|	|	|	3.67
15.000	0.00	4.95	5.069	O	|	|	|	|	3.65
15.083	0.00	4.94	5.035	O	|	|	|	|	3.62
15.167	0.00	4.92	5.001	O	|	|	|	|	3.60
15.250	0.00	4.90	4.968	O	|	|	|	|	3.58
15.333	0.00	4.88	4.934	O	|	|	|	|	3.56
15.417	0.00	4.86	4.900	O	|	|	|	|	3.53
15.500	0.00	4.84	4.867	O	|	|	|	|	3.51
15.583	0.00	4.83	4.834	O	|	|	|	|	3.49
15.667	0.00	4.81	4.800	O	|	|	|	|	3.47
15.750	0.00	4.79	4.767	O	|	|	|	|	3.44
15.833	0.00	4.77	4.734	O	|	|	|	|	3.42
15.917	0.00	4.75	4.702	O	|	|	|	|	3.40
16.000	0.00	4.74	4.669	O	|	|	|	|	3.38
16.083	0.00	4.72	4.636	O	|	|	|	|	3.36
16.167	0.00	4.70	4.604	O	|	|	|	|	3.34
16.250	0.00	4.68	4.572	O	|	|	|	|	3.31
16.333	0.00	4.67	4.539	O	|	|	|	|	3.29
16.417	0.00	4.65	4.507	O	|	|	|	|	3.27
16.500	0.00	4.63	4.475	O	|	|	|	|	3.25
16.583	0.00	4.62	4.444	O	|	|	|	|	3.23
16.667	0.00	4.60	4.412	O	|	|	|	|	3.21
16.750	0.00	4.58	4.380	O	|	|	|	|	3.19
16.833	0.00	4.56	4.349	O	|	|	|	|	3.17
16.917	0.00	4.55	4.317	O	|	|	|	|	3.14
17.000	0.00	4.53	4.286	O	|	|	|	|	3.12

17.083	0.00	4.51	4.255	O					3.10
17.167	0.00	4.50	4.224	O					3.08
17.250	0.00	4.48	4.193	O					3.06
17.333	0.00	4.46	4.162	O					3.04
17.417	0.00	4.45	4.132	O					3.02
17.500	0.00	4.43	4.101	O					3.00
17.583	0.00	4.41	4.071	O					2.98
17.667	0.00	4.40	4.040	O					2.96
17.750	0.00	4.38	4.010	O					2.94
17.833	0.00	4.37	3.980	O					2.92
17.917	0.00	4.35	3.950	O					2.90
18.000	0.00	4.33	3.920	O					2.88
18.083	0.00	4.32	3.890	O					2.86
18.167	0.00	4.30	3.860	O					2.84
18.250	0.00	4.28	3.831	O					2.82
18.333	0.00	4.27	3.801	O					2.80
18.417	0.00	4.25	3.772	O					2.78
18.500	0.00	4.24	3.743	O					2.76
18.583	0.00	4.22	3.714	O					2.74
18.667	0.00	4.21	3.685	O					2.72
18.750	0.00	4.19	3.656	O					2.70
18.833	0.00	4.17	3.627	O					2.68
18.917	0.00	4.16	3.598	O					2.67
19.000	0.00	4.14	3.570	O					2.65
19.083	0.00	4.13	3.541	O					2.63
19.167	0.00	4.11	3.513	O					2.61
19.250	0.00	4.10	3.485	O					2.59
19.333	0.00	4.08	3.456	O					2.57
19.417	0.00	4.07	3.428	O					2.55
19.500	0.00	4.05	3.400	O					2.53
19.583	0.00	4.04	3.373	O					2.52
19.667	0.00	4.02	3.345	O					2.50
19.750	0.00	4.01	3.317	O					2.48
19.833	0.00	3.99	3.290	O					2.46
19.917	0.00	3.98	3.262	O					2.44
20.000	0.00	3.96	3.235	O					2.42
20.083	0.00	3.95	3.208	O					2.41
20.167	0.00	3.93	3.180	O					2.39
20.250	0.00	3.92	3.153	O					2.37
20.333	0.00	3.90	3.126	O					2.35
20.417	0.00	3.89	3.100	O					2.33
20.500	0.00	3.88	3.073	O					2.32
20.583	0.00	3.86	3.046	O					2.30
20.667	0.00	3.85	3.020	O					2.28
20.750	0.00	3.83	2.993	O					2.26
20.833	0.00	3.82	2.967	O					2.24
20.917	0.00	3.80	2.941	O					2.23
21.000	0.00	3.79	2.914	O					2.21
21.083	0.00	3.78	2.888	O					2.19
21.167	0.00	3.76	2.862	O					2.17
21.250	0.00	3.75	2.837	O					2.16
21.333	0.00	3.73	2.811	O					2.14
21.417	0.00	3.72	2.785	O					2.12
21.500	0.00	3.71	2.760	O					2.11
21.583	0.00	3.69	2.734	O					2.09
21.667	0.00	3.68	2.709	O					2.07
21.750	0.00	3.67	2.683	O					2.06
21.833	0.00	3.65	2.658	O					2.04
21.917	0.00	3.64	2.633	O					2.02
22.000	0.00	3.62	2.608	O					2.01
22.083	0.00	3.61	2.583	O					1.99
22.167	0.00	3.58	2.559	O					1.97
22.250	0.00	3.56	2.534	O					1.95
22.333	0.00	3.54	2.509	O					1.93
22.417	0.00	3.52	2.485	O					1.91
22.500	0.00	3.50	2.461	O					1.90
22.583	0.00	3.48	2.437	O					1.88
22.667	0.00	3.46	2.413	O					1.86

22.750	0.00	3.44	2.389	O	|	|	|	|	1.84
22.833	0.00	3.42	2.366	O	|	|	|	|	1.83
22.917	0.00	3.39	2.342	O	|	|	|	|	1.81
23.000	0.00	3.37	2.319	O	|	|	|	|	1.79
23.083	0.00	3.35	2.296	O	|	|	|	|	1.77
23.167	0.00	3.33	2.273	O	|	|	|	|	1.76
23.250	0.00	3.31	2.250	O	|	|	|	|	1.74
23.333	0.00	3.29	2.227	O	|	|	|	|	1.72
23.417	0.00	3.27	2.205	O	|	|	|	|	1.71
23.500	0.00	3.25	2.182	O	|	|	|	|	1.69
23.583	0.00	3.24	2.160	O	|	|	|	|	1.67
23.667	0.00	3.22	2.137	O	|	|	|	|	1.66
23.750	0.00	3.20	2.115	O	|	|	|	|	1.64
23.833	0.00	3.18	2.093	O	|	|	|	|	1.62
23.917	0.00	3.16	2.072	O	|	|	|	|	1.61
24.000	0.00	3.14	2.050	O	|	|	|	|	1.59
24.083	0.00	3.12	2.028	O	|	|	|	|	1.58
24.167	0.00	3.10	2.007	O	|	|	|	|	1.56
24.250	0.00	3.08	1.986	O	|	|	|	|	1.54
24.333	0.00	3.06	1.964	O	|	|	|	|	1.53
24.417	0.00	3.05	1.943	O	|	|	|	|	1.51
24.500	0.00	3.03	1.923	O	|	|	|	|	1.50
24.583	0.00	3.01	1.902	O	|	|	|	|	1.48
24.667	0.00	2.99	1.881	O	|	|	|	|	1.47
24.750	0.00	2.97	1.861	O	|	|	|	|	1.45
24.833	0.00	2.96	1.840	O	|	|	|	|	1.44
24.917	0.00	2.94	1.820	O	|	|	|	|	1.42
25.000	0.00	2.92	1.800	O	|	|	|	|	1.41
25.083	0.00	2.90	1.780	O	|	|	|	|	1.39
25.167	0.00	2.89	1.760	O	|	|	|	|	1.38
25.250	0.00	2.87	1.740	O	|	|	|	|	1.36
25.333	0.00	2.85	1.720	O	|	|	|	|	1.35
25.417	0.00	2.83	1.701	O	|	|	|	|	1.33
25.500	0.00	2.82	1.681	O	|	|	|	|	1.32
25.583	0.00	2.80	1.662	O	|	|	|	|	1.31
25.667	0.00	2.78	1.643	O	|	|	|	|	1.29
25.750	0.00	2.77	1.623	O	|	|	|	|	1.28
25.833	0.00	2.75	1.604	O	|	|	|	|	1.26
25.917	0.00	2.73	1.586	O	|	|	|	|	1.25
26.000	0.00	2.72	1.567	O	|	|	|	|	1.23
26.083	0.00	2.70	1.548	O	|	|	|	|	1.22
26.167	0.00	2.68	1.530	O	|	|	|	|	1.21
26.250	0.00	2.67	1.511	O	|	|	|	|	1.19
26.333	0.00	2.65	1.493	O	|	|	|	|	1.18
26.417	0.00	2.64	1.475	O	|	|	|	|	1.17
26.500	0.00	2.62	1.457	O	|	|	|	|	1.15
26.583	0.00	2.60	1.439	O	|	|	|	|	1.14
26.667	0.00	2.59	1.421	O	|	|	|	|	1.13
26.750	0.00	2.57	1.403	O	|	|	|	|	1.11
26.833	0.00	2.56	1.385	O	|	|	|	|	1.10
26.917	0.00	2.54	1.368	O	|	|	|	|	1.09
27.000	0.00	2.53	1.350	O	|	|	|	|	1.07
27.083	0.00	2.51	1.333	O	|	|	|	|	1.06
27.167	0.00	2.50	1.316	O	|	|	|	|	1.05
27.250	0.00	2.48	1.298	O	|	|	|	|	1.04
27.333	0.00	2.47	1.281	O	|	|	|	|	1.02
27.417	0.00	2.45	1.264	O	|	|	|	|	1.01
27.500	0.00	2.44	1.248	O	|	|	|	|	1.00
27.583	0.00	2.40	1.231	O	|	|	|	|	0.98
27.667	0.00	2.37	1.215	O	|	|	|	|	0.97
27.750	0.00	2.34	1.198	O	|	|	|	|	0.96
27.833	0.00	2.31	1.182	O	|	|	|	|	0.95
27.917	0.00	2.28	1.166	O	|	|	|	|	0.93
28.000	0.00	2.25	1.151	O	|	|	|	|	0.92
28.083	0.00	2.22	1.136	O	|	|	|	|	0.91
28.167	0.00	2.19	1.120	O	|	|	|	|	0.90
28.250	0.00	2.16	1.105	O	|	|	|	|	0.88
28.333	0.00	2.13	1.091	O	|	|	|	|	0.87

28.417	0.00	2.10	1.076	O	|	|	|	|	0.86
28.500	0.00	2.07	1.062	O	|	|	|	|	0.85
28.583	0.00	2.04	1.048	O	|	|	|	|	0.84
28.667	0.00	2.02	1.034	O	|	|	|	|	0.83
28.750	0.00	1.99	1.020	O	|	|	|	|	0.82
28.833	0.00	1.96	1.006	O	|	|	|	|	0.80
28.917	0.00	1.94	0.993	O	|	|	|	|	0.79
29.000	0.00	1.91	0.979	O	|	|	|	|	0.78
29.083	0.00	1.89	0.966	O	|	|	|	|	0.77
29.167	0.00	1.86	0.953	O	|	|	|	|	0.76
29.250	0.00	1.84	0.941	O	|	|	|	|	0.75
29.333	0.00	1.81	0.928	O	|	|	|	|	0.74
29.417	0.00	1.79	0.916	O	|	|	|	|	0.73
29.500	0.00	1.76	0.904	O	|	|	|	|	0.72
29.583	0.00	1.74	0.891	O	|	|	|	|	0.71
29.667	0.00	1.72	0.880	O	|	|	|	|	0.70
29.750	0.00	1.69	0.868	O	|	|	|	|	0.69
29.833	0.00	1.67	0.856	O	|	|	|	|	0.68
29.917	0.00	1.65	0.845	O	|	|	|	|	0.68
30.000	0.00	1.63	0.834	O	|	|	|	|	0.67
30.083	0.00	1.61	0.822	O	|	|	|	|	0.66
30.167	0.00	1.58	0.811	O	|	|	|	|	0.65
30.250	0.00	1.56	0.801	O	|	|	|	|	0.64
30.333	0.00	1.54	0.790	O	|	|	|	|	0.63
30.417	0.00	1.52	0.779	O	|	|	|	|	0.62
30.500	0.00	1.50	0.769	O	|	|	|	|	0.62
30.583	0.00	1.48	0.759	O	|	|	|	|	0.61
30.667	0.00	1.46	0.749	O	|	|	|	|	0.60
30.750	0.00	1.44	0.739	O	|	|	|	|	0.59
30.833	0.00	1.42	0.729	O	|	|	|	|	0.58
30.917	0.00	1.40	0.719	O	|	|	|	|	0.58
31.000	0.00	1.38	0.709	O	|	|	|	|	0.57
31.083	0.00	1.37	0.700	O	|	|	|	|	0.56
31.167	0.00	1.35	0.691	O	|	|	|	|	0.55
31.250	0.00	1.33	0.681	O	|	|	|	|	0.55
31.333	0.00	1.31	0.672	O	|	|	|	|	0.54
31.417	0.00	1.29	0.663	O	|	|	|	|	0.53
31.500	0.00	1.28	0.654	O	|	|	|	|	0.52
31.583	0.00	1.26	0.646	O	|	|	|	|	0.52
31.667	0.00	1.24	0.637	O	|	|	|	|	0.51
31.750	0.00	1.23	0.629	O	|	|	|	|	0.50
31.833	0.00	1.21	0.620	O	|	|	|	|	0.50
31.917	0.00	1.19	0.612	O	|	|	|	|	0.49
32.000	0.00	1.18	0.604	O	|	|	|	|	0.48
32.083	0.00	1.16	0.596	O	|	|	|	|	0.48
32.167	0.00	1.15	0.588	O	|	|	|	|	0.47
32.250	0.00	1.13	0.580	O	|	|	|	|	0.46
32.333	0.00	1.12	0.572	O	|	|	|	|	0.46
32.417	0.00	1.10	0.564	O	|	|	|	|	0.45
32.500	0.00	1.09	0.557	O	|	|	|	|	0.45
32.583	0.00	1.07	0.549	O	|	|	|	|	0.44
32.667	0.00	1.06	0.542	O	|	|	|	|	0.43
32.750	0.00	1.04	0.535	O	|	|	|	|	0.43
32.833	0.00	1.03	0.528	O	|	|	|	|	0.42
32.917	0.00	1.02	0.521	O	|	|	|	|	0.42
33.000	0.00	1.00	0.514	O	|	|	|	|	0.41
33.083	0.00	0.99	0.507	O	|	|	|	|	0.41
33.167	0.00	0.98	0.500	O	|	|	|	|	0.40
33.250	0.00	0.96	0.493	O	|	|	|	|	0.39
33.333	0.00	0.95	0.487	O	|	|	|	|	0.39
33.417	0.00	0.94	0.480	O	|	|	|	|	0.38
33.500	0.00	0.93	0.474	O	|	|	|	|	0.38
33.583	0.00	0.91	0.468	O	|	|	|	|	0.37
33.667	0.00	0.90	0.461	O	|	|	|	|	0.37
33.750	0.00	0.89	0.455	O	|	|	|	|	0.36
33.833	0.00	0.88	0.449	O	|	|	|	|	0.36
33.917	0.00	0.86	0.443	O	|	|	|	|	0.35
34.000	0.00	0.85	0.437	O	|	|	|	|	0.35

34.083	0.00	0.84	0.431	O					0.35
34.167	0.00	0.83	0.426	O					0.34
34.250	0.00	0.82	0.420	O					0.34
34.333	0.00	0.81	0.414	O					0.33
34.417	0.00	0.80	0.409	O					0.33
34.500	0.00	0.79	0.403	O					0.32
34.583	0.00	0.78	0.398	O					0.32
34.667	0.00	0.77	0.393	O					0.31
34.750	0.00	0.76	0.387	O					0.31
34.833	0.00	0.75	0.382	O					0.31
34.917	0.00	0.74	0.377	O					0.30
35.000	0.00	0.73	0.372	O					0.30
35.083	0.00	0.72	0.367	O					0.29
35.167	0.00	0.71	0.362	O					0.29
35.250	0.00	0.70	0.357	O					0.29
35.333	0.00	0.69	0.353	O					0.28
35.417	0.00	0.68	0.348	O					0.28
35.500	0.00	0.67	0.343	O					0.27
35.583	0.00	0.66	0.339	O					0.27
35.667	0.00	0.65	0.334	O					0.27
35.750	0.00	0.64	0.330	O					0.26
35.833	0.00	0.63	0.325	O					0.26
35.917	0.00	0.63	0.321	O					0.26
36.000	0.00	0.62	0.317	O					0.25
36.083	0.00	0.61	0.312	O					0.25
36.167	0.00	0.60	0.308	O					0.25
36.250	0.00	0.59	0.304	O					0.24
36.333	0.00	0.59	0.300	O					0.24
36.417	0.00	0.58	0.296	O					0.24
36.500	0.00	0.57	0.292	O					0.23
36.583	0.00	0.56	0.288	O					0.23
36.667	0.00	0.56	0.284	O					0.23
36.750	0.00	0.55	0.281	O					0.22
36.833	0.00	0.54	0.277	O					0.22
36.917	0.00	0.53	0.273	O					0.22
37.000	0.00	0.53	0.269	O					0.22
37.083	0.00	0.52	0.266	O					0.21
37.167	0.00	0.51	0.262	O					0.21
37.250	0.00	0.51	0.259	O					0.21
37.333	0.00	0.50	0.255	O					0.20
37.417	0.00	0.49	0.252	O					0.20
37.500	0.00	0.49	0.249	O					0.20
37.583	0.00	0.48	0.245	O					0.20
37.667	0.00	0.47	0.242	O					0.19
37.750	0.00	0.47	0.239	O					0.19
37.833	0.00	0.46	0.236	O					0.19
37.917	0.00	0.45	0.232	O					0.19
38.000	0.00	0.45	0.229	O					0.18
38.083	0.00	0.44	0.226	O					0.18
38.167	0.00	0.44	0.223	O					0.18
38.250	0.00	0.43	0.220	O					0.18
38.333	0.00	0.42	0.217	O					0.17
38.417	0.00	0.42	0.214	O					0.17
38.500	0.00	0.41	0.212	O					0.17
38.583	0.00	0.41	0.209	O					0.17
38.667	0.00	0.40	0.206	O					0.16
38.750	0.00	0.40	0.203	O					0.16
38.833	0.00	0.39	0.200	O					0.16
38.917	0.00	0.39	0.198	O					0.16
39.000	0.00	0.38	0.195	O					0.16
39.083	0.00	0.38	0.193	O					0.15
39.167	0.00	0.37	0.190	O					0.15
39.250	0.00	0.37	0.187	O					0.15
39.333	0.00	0.36	0.185	O					0.15
39.417	0.00	0.36	0.182	O					0.15
39.500	0.00	0.35	0.180	O					0.14
39.583	0.00	0.35	0.178	O					0.14
39.667	0.00	0.34	0.175	O					0.14

39.750	0.00	0.34	0.173	O	|	|	|	|	0.14
39.833	0.00	0.33	0.171	O	|	|	|	|	0.14
39.917	0.00	0.33	0.168	O	|	|	|	|	0.13
40.000	0.00	0.32	0.166	O	|	|	|	|	0.13
40.083	0.00	0.32	0.164	O	|	|	|	|	0.13
40.167	0.00	0.32	0.162	O	|	|	|	|	0.13
40.250	0.00	0.31	0.160	O	|	|	|	|	0.13
40.333	0.00	0.31	0.157	O	|	|	|	|	0.13
40.417	0.00	0.30	0.155	O	|	|	|	|	0.12
40.500	0.00	0.30	0.153	O	|	|	|	|	0.12
40.583	0.00	0.30	0.151	O	|	|	|	|	0.12
40.667	0.00	0.29	0.149	O	|	|	|	|	0.12
40.750	0.00	0.29	0.147	O	|	|	|	|	0.12
40.833	0.00	0.28	0.145	O	|	|	|	|	0.12
40.917	0.00	0.28	0.143	O	|	|	|	|	0.11
41.000	0.00	0.28	0.141	O	|	|	|	|	0.11
41.083	0.00	0.27	0.139	O	|	|	|	|	0.11
41.167	0.00	0.27	0.138	O	|	|	|	|	0.11
41.250	0.00	0.26	0.136	O	|	|	|	|	0.11
41.333	0.00	0.26	0.134	O	|	|	|	|	0.11
41.417	0.00	0.26	0.132	O	|	|	|	|	0.11
41.500	0.00	0.25	0.130	O	|	|	|	|	0.10
41.583	0.00	0.25	0.129	O	|	|	|	|	0.10
41.667	0.00	0.25	0.127	O	|	|	|	|	0.10
41.750	0.00	0.24	0.125	O	|	|	|	|	0.10
41.833	0.00	0.24	0.124	O	|	|	|	|	0.10
41.917	0.00	0.24	0.122	O	|	|	|	|	0.10
42.000	0.00	0.23	0.120	O	|	|	|	|	0.10
42.083	0.00	0.23	0.119	O	|	|	|	|	0.09
42.167	0.00	0.23	0.117	O	|	|	|	|	0.09
42.250	0.00	0.23	0.116	O	|	|	|	|	0.09
42.333	0.00	0.22	0.114	O	|	|	|	|	0.09
42.417	0.00	0.22	0.112	O	|	|	|	|	0.09
42.500	0.00	0.22	0.111	O	|	|	|	|	0.09
42.583	0.00	0.21	0.109	O	|	|	|	|	0.09
42.667	0.00	0.21	0.108	O	|	|	|	|	0.09
42.750	0.00	0.21	0.107	O	|	|	|	|	0.09
42.833	0.00	0.21	0.105	O	|	|	|	|	0.08
42.917	0.00	0.20	0.104	O	|	|	|	|	0.08
43.000	0.00	0.20	0.102	O	|	|	|	|	0.08
43.083	0.00	0.20	0.101	O	|	|	|	|	0.08
43.167	0.00	0.19	0.100	O	|	|	|	|	0.08
43.250	0.00	0.19	0.098	O	|	|	|	|	0.08
43.333	0.00	0.19	0.097	O	|	|	|	|	0.08
43.417	0.00	0.19	0.096	O	|	|	|	|	0.08
43.500	0.00	0.18	0.094	O	|	|	|	|	0.08
43.583	0.00	0.18	0.093	O	|	|	|	|	0.07
43.667	0.00	0.18	0.092	O	|	|	|	|	0.07
43.750	0.00	0.18	0.091	O	|	|	|	|	0.07
43.833	0.00	0.17	0.089	O	|	|	|	|	0.07
43.917	0.00	0.17	0.088	O	|	|	|	|	0.07
44.000	0.00	0.17	0.087	O	|	|	|	|	0.07
44.083	0.00	0.17	0.086	O	|	|	|	|	0.07
44.167	0.00	0.17	0.085	O	|	|	|	|	0.07
44.250	0.00	0.16	0.084	O	|	|	|	|	0.07
44.333	0.00	0.16	0.083	O	|	|	|	|	0.07
44.417	0.00	0.16	0.081	O	|	|	|	|	0.07
44.500	0.00	0.16	0.080	O	|	|	|	|	0.06
44.583	0.00	0.15	0.079	O	|	|	|	|	0.06
44.667	0.00	0.15	0.078	O	|	|	|	|	0.06
44.750	0.00	0.15	0.077	O	|	|	|	|	0.06
44.833	0.00	0.15	0.076	O	|	|	|	|	0.06
44.917	0.00	0.15	0.075	O	|	|	|	|	0.06
45.000	0.00	0.14	0.074	O	|	|	|	|	0.06
45.083	0.00	0.14	0.073	O	|	|	|	|	0.06
45.167	0.00	0.14	0.072	O	|	|	|	|	0.06
45.250	0.00	0.14	0.071	O	|	|	|	|	0.06
45.333	0.00	0.14	0.070	O	|	|	|	|	0.06

45.417	0.00	0.14	0.069	O					0.06
45.500	0.00	0.13	0.068	O					0.05
45.583	0.00	0.13	0.067	O					0.05
45.667	0.00	0.13	0.067	O					0.05
45.750	0.00	0.13	0.066	O					0.05
45.833	0.00	0.13	0.065	O					0.05
45.917	0.00	0.12	0.064	O					0.05
46.000	0.00	0.12	0.063	O					0.05
46.083	0.00	0.12	0.062	O					0.05
46.167	0.00	0.12	0.061	O					0.05
46.250	0.00	0.12	0.061	O					0.05
46.333	0.00	0.12	0.060	O					0.05
46.417	0.00	0.12	0.059	O					0.05
46.500	0.00	0.11	0.058	O					0.05
46.583	0.00	0.11	0.057	O					0.05
46.667	0.00	0.11	0.057	O					0.05
46.750	0.00	0.11	0.056	O					0.04
46.833	0.00	0.11	0.055	O					0.04
46.917	0.00	0.11	0.054	O					0.04
47.000	0.00	0.10	0.054	O					0.04
47.083	0.00	0.10	0.053	O					0.04
47.167	0.00	0.10	0.052	O					0.04
47.250	0.00	0.10	0.052	O					0.04
47.333	0.00	0.10	0.051	O					0.04
47.417	0.00	0.10	0.050	O					0.04
47.500	0.00	0.10	0.050	O					0.04
47.583	0.00	0.10	0.049	O					0.04
47.667	0.00	0.09	0.048	O					0.04
47.750	0.00	0.09	0.048	O					0.04
47.833	0.00	0.09	0.047	O					0.04
47.917	0.00	0.09	0.046	O					0.04
48.000	0.00	0.09	0.046	O					0.04
48.083	0.00	0.09	0.045	O					0.04
48.167	0.00	0.09	0.044	O					0.04
48.250	0.00	0.09	0.044	O					0.04
48.333	0.00	0.08	0.043	O					0.03
48.417	0.00	0.08	0.043	O					0.03
48.500	0.00	0.08	0.042	O					0.03
48.583	0.00	0.08	0.042	O					0.03
48.667	0.00	0.08	0.041	O					0.03
48.750	0.00	0.08	0.040	O					0.03
48.833	0.00	0.08	0.040	O					0.03
48.917	0.00	0.08	0.039	O					0.03
49.000	0.00	0.08	0.039	O					0.03
49.083	0.00	0.07	0.038	O					0.03
49.167	0.00	0.07	0.038	O					0.03
49.250	0.00	0.07	0.037	O					0.03
49.333	0.00	0.07	0.037	O					0.03
49.417	0.00	0.07	0.036	O					0.03
49.500	0.00	0.07	0.036	O					0.03
49.583	0.00	0.07	0.035	O					0.03
49.667	0.00	0.07	0.035	O					0.03
49.750	0.00	0.07	0.034	O					0.03
49.833	0.00	0.07	0.034	O					0.03
49.917	0.00	0.07	0.034	O					0.03
50.000	0.00	0.06	0.033	O					0.03
50.083	0.00	0.06	0.033	O					0.03
50.167	0.00	0.06	0.032	O					0.03
50.250	0.00	0.06	0.032	O					0.03
50.333	0.00	0.06	0.031	O					0.03
50.417	0.00	0.06	0.031	O					0.02
50.500	0.00	0.06	0.031	O					0.02
50.583	0.00	0.06	0.030	O					0.02
50.667	0.00	0.06	0.030	O					0.02
50.750	0.00	0.06	0.029	O					0.02
50.833	0.00	0.06	0.029	O					0.02
50.917	0.00	0.06	0.029	O					0.02
51.000	0.00	0.05	0.028	O					0.02

51.083	0.00	0.05	0.028	O	|	|	|	|	0.02
51.167	0.00	0.05	0.027	O	|	|	|	|	0.02
51.250	0.00	0.05	0.027	O	|	|	|	|	0.02
51.333	0.00	0.05	0.027	O	|	|	|	|	0.02
51.417	0.00	0.05	0.026	O	|	|	|	|	0.02
51.500	0.00	0.05	0.026	O	|	|	|	|	0.02
51.583	0.00	0.05	0.026	O	|	|	|	|	0.02
51.667	0.00	0.05	0.025	O	|	|	|	|	0.02
51.750	0.00	0.05	0.025	O	|	|	|	|	0.02
51.833	0.00	0.05	0.025	O	|	|	|	|	0.02
51.917	0.00	0.05	0.024	O	|	|	|	|	0.02
52.000	0.00	0.05	0.024	O	|	|	|	|	0.02
52.083	0.00	0.05	0.024	O	|	|	|	|	0.02
52.167	0.00	0.05	0.023	O	|	|	|	|	0.02
52.250	0.00	0.04	0.023	O	|	|	|	|	0.02
52.333	0.00	0.04	0.023	O	|	|	|	|	0.02
52.417	0.00	0.04	0.022	O	|	|	|	|	0.02
52.500	0.00	0.04	0.022	O	|	|	|	|	0.02
52.583	0.00	0.04	0.022	O	|	|	|	|	0.02
52.667	0.00	0.04	0.022	O	|	|	|	|	0.02
52.750	0.00	0.04	0.021	O	|	|	|	|	0.02
52.833	0.00	0.04	0.021	O	|	|	|	|	0.02
52.917	0.00	0.04	0.021	O	|	|	|	|	0.02
53.000	0.00	0.04	0.020	O	|	|	|	|	0.02
53.083	0.00	0.04	0.020	O	|	|	|	|	0.02
53.167	0.00	0.04	0.020	O	|	|	|	|	0.02
53.250	0.00	0.04	0.020	O	|	|	|	|	0.02
53.333	0.00	0.04	0.019	O	|	|	|	|	0.02
53.417	0.00	0.04	0.019	O	|	|	|	|	0.02
53.500	0.00	0.04	0.019	O	|	|	|	|	0.02
53.583	0.00	0.04	0.019	O	|	|	|	|	0.01
53.667	0.00	0.04	0.018	O	|	|	|	|	0.01
53.750	0.00	0.04	0.018	O	|	|	|	|	0.01
53.833	0.00	0.03	0.018	O	|	|	|	|	0.01
53.917	0.00	0.03	0.018	O	|	|	|	|	0.01
54.000	0.00	0.03	0.017	O	|	|	|	|	0.01
54.083	0.00	0.03	0.017	O	|	|	|	|	0.01
54.167	0.00	0.03	0.017	O	|	|	|	|	0.01
54.250	0.00	0.03	0.017	O	|	|	|	|	0.01
54.333	0.00	0.03	0.016	O	|	|	|	|	0.01
54.417	0.00	0.03	0.016	O	|	|	|	|	0.01
54.500	0.00	0.03	0.016	O	|	|	|	|	0.01
54.583	0.00	0.03	0.016	O	|	|	|	|	0.01
54.667	0.00	0.03	0.016	O	|	|	|	|	0.01
54.750	0.00	0.03	0.015	O	|	|	|	|	0.01
54.833	0.00	0.03	0.015	O	|	|	|	|	0.01
54.917	0.00	0.03	0.015	O	|	|	|	|	0.01
55.000	0.00	0.03	0.015	O	|	|	|	|	0.01
55.083	0.00	0.03	0.015	O	|	|	|	|	0.01
55.167	0.00	0.03	0.014	O	|	|	|	|	0.01
55.250	0.00	0.03	0.014	O	|	|	|	|	0.01
55.333	0.00	0.03	0.014	O	|	|	|	|	0.01
55.417	0.00	0.03	0.014	O	|	|	|	|	0.01
55.500	0.00	0.03	0.014	O	|	|	|	|	0.01
55.583	0.00	0.03	0.013	O	|	|	|	|	0.01
55.667	0.00	0.03	0.013	O	|	|	|	|	0.01
55.750	0.00	0.03	0.013	O	|	|	|	|	0.01
55.833	0.00	0.03	0.013	O	|	|	|	|	0.01
55.917	0.00	0.02	0.013	O	|	|	|	|	0.01
56.000	0.00	0.02	0.013	O	|	|	|	|	0.01
56.083	0.00	0.02	0.012	O	|	|	|	|	0.01
56.167	0.00	0.02	0.012	O	|	|	|	|	0.01
56.250	0.00	0.02	0.012	O	|	|	|	|	0.01
56.333	0.00	0.02	0.012	O	|	|	|	|	0.01
56.417	0.00	0.02	0.012	O	|	|	|	|	0.01
56.500	0.00	0.02	0.012	O	|	|	|	|	0.01
56.583	0.00	0.02	0.011	O	|	|	|	|	0.01
56.667	0.00	0.02	0.011	O	|	|	|	|	0.01

56.750	0.00	0.02	0.011	O	|	|	|	|	0.01
56.833	0.00	0.02	0.011	O	|	|	|	|	0.01
56.917	0.00	0.02	0.011	O	|	|	|	|	0.01
57.000	0.00	0.02	0.011	O	|	|	|	|	0.01
57.083	0.00	0.02	0.011	O	|	|	|	|	0.01
57.167	0.00	0.02	0.010	O	|	|	|	|	0.01
57.250	0.00	0.02	0.010	O	|	|	|	|	0.01
57.333	0.00	0.02	0.010	O	|	|	|	|	0.01
57.417	0.00	0.02	0.010	O	|	|	|	|	0.01
57.500	0.00	0.02	0.010	O	|	|	|	|	0.01
57.583	0.00	0.02	0.010	O	|	|	|	|	0.01
57.667	0.00	0.02	0.010	O	|	|	|	|	0.01
57.750	0.00	0.02	0.009	O	|	|	|	|	0.01
57.833	0.00	0.02	0.009	O	|	|	|	|	0.01
57.917	0.00	0.02	0.009	O	|	|	|	|	0.01
58.000	0.00	0.02	0.009	O	|	|	|	|	0.01
58.083	0.00	0.02	0.009	O	|	|	|	|	0.01
58.167	0.00	0.02	0.009	O	|	|	|	|	0.01
58.250	0.00	0.02	0.009	O	|	|	|	|	0.01
58.333	0.00	0.02	0.009	O	|	|	|	|	0.01
58.417	0.00	0.02	0.009	O	|	|	|	|	0.01
58.500	0.00	0.02	0.008	O	|	|	|	|	0.01
58.583	0.00	0.02	0.008	O	|	|	|	|	0.01
58.667	0.00	0.02	0.008	O	|	|	|	|	0.01
58.750	0.00	0.02	0.008	O	|	|	|	|	0.01
58.833	0.00	0.02	0.008	O	|	|	|	|	0.01
58.917	0.00	0.02	0.008	O	|	|	|	|	0.01
59.000	0.00	0.02	0.008	O	|	|	|	|	0.01
59.083	0.00	0.01	0.008	O	|	|	|	|	0.01
59.167	0.00	0.01	0.008	O	|	|	|	|	0.01
59.250	0.00	0.01	0.007	O	|	|	|	|	0.01
59.333	0.00	0.01	0.007	O	|	|	|	|	0.01
59.417	0.00	0.01	0.007	O	|	|	|	|	0.01
59.500	0.00	0.01	0.007	O	|	|	|	|	0.01
59.583	0.00	0.01	0.007	O	|	|	|	|	0.01
59.667	0.00	0.01	0.007	O	|	|	|	|	0.01
59.750	0.00	0.01	0.007	O	|	|	|	|	0.01
59.833	0.00	0.01	0.007	O	|	|	|	|	0.01
59.917	0.00	0.01	0.007	O	|	|	|	|	0.01
60.000	0.00	0.01	0.007	O	|	|	|	|	0.01
60.083	0.00	0.01	0.007	O	|	|	|	|	0.01
60.167	0.00	0.01	0.006	O	|	|	|	|	0.01
60.250	0.00	0.01	0.006	O	|	|	|	|	0.01
60.333	0.00	0.01	0.006	O	|	|	|	|	0.00
60.417	0.00	0.01	0.006	O	|	|	|	|	0.00
60.500	0.00	0.01	0.006	O	|	|	|	|	0.00
60.583	0.00	0.01	0.006	O	|	|	|	|	0.00
60.667	0.00	0.01	0.006	O	|	|	|	|	0.00
60.750	0.00	0.01	0.006	O	|	|	|	|	0.00
60.833	0.00	0.01	0.006	O	|	|	|	|	0.00
60.917	0.00	0.01	0.006	O	|	|	|	|	0.00
61.000	0.00	0.01	0.006	O	|	|	|	|	0.00
61.083	0.00	0.01	0.006	O	|	|	|	|	0.00
61.167	0.00	0.01	0.005	O	|	|	|	|	0.00
61.250	0.00	0.01	0.005	O	|	|	|	|	0.00
61.333	0.00	0.01	0.005	O	|	|	|	|	0.00
61.417	0.00	0.01	0.005	O	|	|	|	|	0.00
61.500	0.00	0.01	0.005	O	|	|	|	|	0.00
61.583	0.00	0.01	0.005	O	|	|	|	|	0.00
61.667	0.00	0.01	0.005	O	|	|	|	|	0.00
61.750	0.00	0.01	0.005	O	|	|	|	|	0.00
61.833	0.00	0.01	0.005	O	|	|	|	|	0.00
61.917	0.00	0.01	0.005	O	|	|	|	|	0.00
62.000	0.00	0.01	0.005	O	|	|	|	|	0.00
62.083	0.00	0.01	0.005	O	|	|	|	|	0.00
62.167	0.00	0.01	0.005	O	|	|	|	|	0.00
62.250	0.00	0.01	0.005	O	|	|	|	|	0.00
62.333	0.00	0.01	0.005	O	|	|	|	|	0.00

62.417	0.00	0.01	0.004	O					0.00
62.500	0.00	0.01	0.004	O					0.00
62.583	0.00	0.01	0.004	O					0.00
62.667	0.00	0.01	0.004	O					0.00
62.750	0.00	0.01	0.004	O					0.00
62.833	0.00	0.01	0.004	O					0.00
62.917	0.00	0.01	0.004	O					0.00
63.000	0.00	0.01	0.004	O					0.00
63.083	0.00	0.01	0.004	O					0.00
63.167	0.00	0.01	0.004	O					0.00
63.250	0.00	0.01	0.004	O					0.00
63.333	0.00	0.01	0.004	O					0.00
63.417	0.00	0.01	0.004	O					0.00
63.500	0.00	0.01	0.004	O					0.00
63.583	0.00	0.01	0.004	O					0.00
63.667	0.00	0.01	0.004	O					0.00
63.750	0.00	0.01	0.004	O					0.00
63.833	0.00	0.01	0.004	O					0.00
63.917	0.00	0.01	0.004	O					0.00
64.000	0.00	0.01	0.003	O					0.00
64.083	0.00	0.01	0.003	O					0.00
64.167	0.00	0.01	0.003	O					0.00
64.250	0.00	0.01	0.003	O					0.00
64.333	0.00	0.01	0.003	O					0.00
64.417	0.00	0.01	0.003	O					0.00
64.500	0.00	0.01	0.003	O					0.00
64.583	0.00	0.01	0.003	O					0.00
64.667	0.00	0.01	0.003	O					0.00
64.750	0.00	0.01	0.003	O					0.00
64.833	0.00	0.01	0.003	O					0.00
64.917	0.00	0.01	0.003	O					0.00
65.000	0.00	0.01	0.003	O					0.00
65.083	0.00	0.01	0.003	O					0.00
65.167	0.00	0.01	0.003	O					0.00
65.250	0.00	0.01	0.003	O					0.00
65.333	0.00	0.01	0.003	O					0.00
65.417	0.00	0.01	0.003	O					0.00
65.500	0.00	0.01	0.003	O					0.00
65.583	0.00	0.01	0.003	O					0.00
65.667	0.00	0.01	0.003	O					0.00
65.750	0.00	0.01	0.003	O					0.00
65.833	0.00	0.01	0.003	O					0.00
65.917	0.00	0.00	0.003	O					0.00
66.000	0.00	0.00	0.003	O					0.00
66.083	0.00	0.00	0.002	O					0.00
66.167	0.00	0.00	0.002	O					0.00
66.250	0.00	0.00	0.002	O					0.00
66.333	0.00	0.00	0.002	O					0.00
66.417	0.00	0.00	0.002	O					0.00
66.500	0.00	0.00	0.002	O					0.00
66.583	0.00	0.00	0.002	O					0.00
66.667	0.00	0.00	0.002	O					0.00
66.750	0.00	0.00	0.002	O					0.00
66.833	0.00	0.00	0.002	O					0.00
66.917	0.00	0.00	0.002	O					0.00
67.000	0.00	0.00	0.002	O					0.00
67.083	0.00	0.00	0.002	O					0.00
67.167	0.00	0.00	0.002	O					0.00
67.250	0.00	0.00	0.002	O					0.00
67.333	0.00	0.00	0.002	O					0.00
67.417	0.00	0.00	0.002	O					0.00
67.500	0.00	0.00	0.002	O					0.00
67.583	0.00	0.00	0.002	O					0.00
67.667	0.00	0.00	0.002	O					0.00
67.750	0.00	0.00	0.002	O					0.00
67.833	0.00	0.00	0.002	O					0.00
67.917	0.00	0.00	0.002	O					0.00
68.000	0.00	0.00	0.002	O					0.00

68.083	0.00	0.00	0.002	O	|	|	|	|	0.00
68.167	0.00	0.00	0.002	O	|	|	|	|	0.00
68.250	0.00	0.00	0.002	O	|	|	|	|	0.00
68.333	0.00	0.00	0.002	O	|	|	|	|	0.00
68.417	0.00	0.00	0.002	O	|	|	|	|	0.00
68.500	0.00	0.00	0.002	O	|	|	|	|	0.00
68.583	0.00	0.00	0.002	O	|	|	|	|	0.00
68.667	0.00	0.00	0.002	O	|	|	|	|	0.00
68.750	0.00	0.00	0.002	O	|	|	|	|	0.00
68.833	0.00	0.00	0.002	O	|	|	|	|	0.00
68.917	0.00	0.00	0.002	O	|	|	|	|	0.00
69.000	0.00	0.00	0.002	O	|	|	|	|	0.00
69.083	0.00	0.00	0.002	O	|	|	|	|	0.00
69.167	0.00	0.00	0.002	O	|	|	|	|	0.00
69.250	0.00	0.00	0.001	O	|	|	|	|	0.00
69.333	0.00	0.00	0.001	O	|	|	|	|	0.00
69.417	0.00	0.00	0.001	O	|	|	|	|	0.00
69.500	0.00	0.00	0.001	O	|	|	|	|	0.00
69.583	0.00	0.00	0.001	O	|	|	|	|	0.00
69.667	0.00	0.00	0.001	O	|	|	|	|	0.00
69.750	0.00	0.00	0.001	O	|	|	|	|	0.00
69.833	0.00	0.00	0.001	O	|	|	|	|	0.00
69.917	0.00	0.00	0.001	O	|	|	|	|	0.00
70.000	0.00	0.00	0.001	O	|	|	|	|	0.00
70.083	0.00	0.00	0.001	O	|	|	|	|	0.00
70.167	0.00	0.00	0.001	O	|	|	|	|	0.00
70.250	0.00	0.00	0.001	O	|	|	|	|	0.00
70.333	0.00	0.00	0.001	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 844
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 31.898 (CFS)
Total volume = 13.938 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/28/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: BASINJ3100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 24
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 272.290 (CFS)
Total volume = 13.975 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN J- ROUTING, BASED ON MANUAL UH WITH REDUCED PEAK BY 70CFS DUE TO FLOWBY 70CFS DOWNSREAM
100YR-3HR STORM

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 24
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.250	2.440	1.242	1.258
2.000	2.600	3.620	2.588	2.612
4.000	5.600	5.240	5.582	5.618
6.000	9.000	6.460	8.978	9.022
8.000	12.840	11.460	12.801	12.879
9.000	14.930	92.740	14.611	15.249
10.000	17.130	240.050	16.303	17.957

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 68.1 136.15 204.22 272.29	Depth (Ft.)
0.083	2.59	0.02	0.009	O | | | | |	0.01
0.167	14.04	0.13	0.066	OI | | | | |	0.05
0.250	18.14	0.34	0.175	O I | | | | |	0.14
0.333	18.49	0.58	0.298	O I | | | | |	0.24

0.417	19.80	0.83	0.425	O I	|	|	|	|	0.34
0.500	34.06	1.18	0.603	O I	|	|	|	|	0.48
0.583	39.03	1.65	0.845	O I	|	|	|	|	0.68
0.667	37.43	2.14	1.096	O I	|	|	|	|	0.88
0.750	48.80	2.55	1.376	O I	|	|	|	|	1.09
0.833	64.01	2.87	1.746	O I	|	|	|	|	1.37
0.917	63.86	3.24	2.165	O I	|	|	|	|	1.68
1.000	61.02	3.60	2.572	O I	|	|	|	|	1.98
1.083	63.65	3.82	2.976	O I	|	|	|	|	2.25
1.167	76.03	4.07	3.429	O I	|	|	|	|	2.55
1.250	110.53	4.40	4.043	O | I	|	|	|	|	2.96
1.333	127.62	4.82	4.831	O | I	|	|	|	|	3.49
1.417	130.89	5.27	5.686	O | I	|	|	|	|	4.05
1.500	207.33	5.68	6.813	O |	|	| I	|	|	4.71
1.583	253.70	6.23	8.360	O |	|	|	| I	|	5.62
1.667	272.29	7.92	10.123	O |	|	|	| I		6.58
1.750	200.34	9.96	11.688	|O |	|	| I	|	|	7.40
1.833	93.03	11.18	12.626	|O |	I |	|	|	|	7.89
1.917	50.37	18.38	13.018	| O I |	|	|	|	|	8.09
2.000	**22.06**	**22.59**	**13.126**	**| O |**	**|**	**|**	**|**	**|**	**8.14**
2.083	0.00	19.86	13.056	I O |	|	|	|	|	8.10
2.167	0.00	15.17	12.935	IO |	|	|	|	|	8.05
2.250	0.00	11.59	12.843	IO |	|	|	|	|	8.00
2.333	0.00	11.36	12.764	IO |	|	|	|	|	7.96
2.417	0.00	11.26	12.686	IO |	|	|	|	|	7.92
2.500	0.00	11.16	12.609	IO |	|	|	|	|	7.88
2.583	0.00	11.06	12.533	IO |	|	|	|	|	7.84
2.667	0.00	10.96	12.457	IO |	|	|	|	|	7.80
2.750	0.00	10.86	12.382	IO |	|	|	|	|	7.76
2.833	0.00	10.77	12.307	IO |	|	|	|	|	7.72
2.917	0.00	10.67	12.233	IO |	|	|	|	|	7.68
3.000	0.00	10.57	12.160	IO |	|	|	|	|	7.65
3.083	0.00	10.48	12.088	IO |	|	|	|	|	7.61
3.167	0.00	10.39	12.016	IO |	|	|	|	|	7.57
3.250	0.00	10.29	11.945	IO |	|	|	|	|	7.53
3.333	0.00	10.20	11.874	IO |	|	|	|	|	7.50
3.417	0.00	10.11	11.804	IO |	|	|	|	|	7.46
3.500	0.00	10.02	11.735	IO |	|	|	|	|	7.42
3.583	0.00	9.93	11.666	IO |	|	|	|	|	7.39
3.667	0.00	9.84	11.598	IO |	|	|	|	|	7.35
3.750	0.00	9.75	11.530	IO |	|	|	|	|	7.32
3.833	0.00	9.67	11.464	IO |	|	|	|	|	7.28
3.917	0.00	9.58	11.397	IO |	|	|	|	|	7.25
4.000	0.00	9.50	11.332	IO |	|	|	|	|	7.21
4.083	0.00	9.41	11.266	IO |	|	|	|	|	7.18
4.167	0.00	9.33	11.202	IO |	|	|	|	|	7.15
4.250	0.00	9.24	11.138	IO |	|	|	|	|	7.11
4.333	0.00	9.16	11.075	IO |	|	|	|	|	7.08
4.417	0.00	9.08	11.012	IO |	|	|	|	|	7.05
4.500	0.00	9.00	10.950	IO |	|	|	|	|	7.02
4.583	0.00	8.92	10.888	IO |	|	|	|	|	6.98
4.667	0.00	8.84	10.827	IO |	|	|	|	|	6.95
4.750	0.00	8.76	10.766	IO |	|	|	|	|	6.92
4.833	0.00	8.68	10.706	IO |	|	|	|	|	6.89
4.917	0.00	8.60	10.647	IO |	|	|	|	|	6.86
5.000	0.00	8.53	10.588	IO |	|	|	|	|	6.83
5.083	0.00	8.45	10.529	O |	|	|	|	|	6.80
5.167	0.00	8.38	10.471	O |	|	|	|	|	6.77
5.250	0.00	8.30	10.414	O |	|	|	|	|	6.74
5.333	0.00	8.23	10.357	O |	|	|	|	|	6.71
5.417	0.00	8.15	10.300	O |	|	|	|	|	6.68
5.500	0.00	8.08	10.245	O |	|	|	|	|	6.65
5.583	0.00	8.01	10.189	O |	|	|	|	|	6.62
5.667	0.00	7.94	10.134	O |	|	|	|	|	6.59
5.750	0.00	7.87	10.080	O |	|	|	|	|	6.56
5.833	0.00	7.80	10.026	O |	|	|	|	|	6.53
5.917	0.00	7.73	9.972	O |	|	|	|	|	6.51
6.000	0.00	7.66	9.919	O |	|	|	|	|	6.48

6.083	0.00	7.59	9.867	O	|	|	|	|	6.45
6.167	0.00	7.52	9.815	O	|	|	|	|	6.42
6.250	0.00	7.45	9.763	O	|	|	|	|	6.40
6.333	0.00	7.39	9.712	O	|	|	|	|	6.37
6.417	0.00	7.32	9.662	O	|	|	|	|	6.34
6.500	0.00	7.26	9.611	O	|	|	|	|	6.32
6.583	0.00	7.19	9.562	O	|	|	|	|	6.29
6.667	0.00	7.13	9.512	O	|	|	|	|	6.27
6.750	0.00	7.06	9.463	O	|	|	|	|	6.24
6.833	0.00	7.00	9.415	O	|	|	|	|	6.22
6.917	0.00	6.94	9.367	O	|	|	|	|	6.19
7.000	0.00	6.88	9.319	O	|	|	|	|	6.17
7.083	0.00	6.81	9.272	O	|	|	|	|	6.14
7.167	0.00	6.75	9.226	O	|	|	|	|	6.12
7.250	0.00	6.69	9.179	O	|	|	|	|	6.09
7.333	0.00	6.63	9.133	O	|	|	|	|	6.07
7.417	0.00	6.57	9.088	O	|	|	|	|	6.05
7.500	0.00	6.52	9.043	O	|	|	|	|	6.02
7.583	0.00	6.46	8.998	O	|	|	|	|	6.00
7.667	0.00	6.44	8.954	O	|	|	|	|	5.97
7.750	0.00	6.43	8.909	O	|	|	|	|	5.95
7.833	0.00	6.41	8.865	O	|	|	|	|	5.92
7.917	0.00	6.40	8.821	O	|	|	|	|	5.89
8.000	0.00	6.38	8.777	O	|	|	|	|	5.87
8.083	0.00	6.36	8.733	O	|	|	|	|	5.84
8.167	0.00	6.35	8.689	O	|	|	|	|	5.82
8.250	0.00	6.33	8.646	O	|	|	|	|	5.79
8.333	0.00	6.32	8.602	O	|	|	|	|	5.77
8.417	0.00	6.30	8.559	O	|	|	|	|	5.74
8.500	0.00	6.29	8.515	O	|	|	|	|	5.71
8.583	0.00	6.27	8.472	O	|	|	|	|	5.69
8.667	0.00	6.26	8.429	O	|	|	|	|	5.66
8.750	0.00	6.24	8.386	O	|	|	|	|	5.64
8.833	0.00	6.22	8.343	O	|	|	|	|	5.61
8.917	0.00	6.21	8.300	O	|	|	|	|	5.59
9.000	0.00	6.19	8.258	O	|	|	|	|	5.56
9.083	0.00	6.18	8.215	O	|	|	|	|	5.54
9.167	0.00	6.16	8.172	O	|	|	|	|	5.51
9.250	0.00	6.15	8.130	O	|	|	|	|	5.49
9.333	0.00	6.13	8.088	O	|	|	|	|	5.46
9.417	0.00	6.12	8.046	O	|	|	|	|	5.44
9.500	0.00	6.10	8.004	O	|	|	|	|	5.41
9.583	0.00	6.09	7.962	O	|	|	|	|	5.39
9.667	0.00	6.07	7.920	O	|	|	|	|	5.36
9.750	0.00	6.06	7.878	O	|	|	|	|	5.34
9.833	0.00	6.04	7.836	O	|	|	|	|	5.32
9.917	0.00	6.03	7.795	O	|	|	|	|	5.29
10.000	0.00	6.01	7.753	O	|	|	|	|	5.27
10.083	0.00	6.00	7.712	O	|	|	|	|	5.24
10.167	0.00	5.98	7.671	O	|	|	|	|	5.22
10.250	0.00	5.97	7.629	O	|	|	|	|	5.19
10.333	0.00	5.95	7.588	O	|	|	|	|	5.17
10.417	0.00	5.94	7.547	O	|	|	|	|	5.15
10.500	0.00	5.92	7.507	O	|	|	|	|	5.12
10.583	0.00	5.91	7.466	O	|	|	|	|	5.10
10.667	0.00	5.89	7.425	O	|	|	|	|	5.07
10.750	0.00	5.88	7.385	O	|	|	|	|	5.05
10.833	0.00	5.87	7.344	O	|	|	|	|	5.03
10.917	0.00	5.85	7.304	O	|	|	|	|	5.00
11.000	0.00	5.84	7.264	O	|	|	|	|	4.98
11.083	0.00	5.82	7.223	O	|	|	|	|	4.95
11.167	0.00	5.81	7.183	O	|	|	|	|	4.93
11.250	0.00	5.79	7.143	O	|	|	|	|	4.91
11.333	0.00	5.78	7.104	O	|	|	|	|	4.88
11.417	0.00	5.77	7.064	O	|	|	|	|	4.86
11.500	0.00	5.75	7.024	O	|	|	|	|	4.84
11.583	0.00	5.74	6.985	O	|	|	|	|	4.81
11.667	0.00	5.72	6.945	O	|	|	|	|	4.79

11.750	0.00	5.71	6.906	O	|	|	|	|	4.77
11.833	0.00	5.69	6.867	O	|	|	|	|	4.75
11.917	0.00	5.68	6.827	O	|	|	|	|	4.72
12.000	0.00	5.67	6.788	O	|	|	|	|	4.70
12.083	0.00	5.65	6.749	O	|	|	|	|	4.68
12.167	0.00	5.64	6.710	O	|	|	|	|	4.65
12.250	0.00	5.62	6.672	O	|	|	|	|	4.63
12.333	0.00	5.61	6.633	O	|	|	|	|	4.61
12.417	0.00	5.60	6.594	O	|	|	|	|	4.58
12.500	0.00	5.58	6.556	O	|	|	|	|	4.56
12.583	0.00	5.57	6.517	O	|	|	|	|	4.54
12.667	0.00	5.56	6.479	O	|	|	|	|	4.52
12.750	0.00	5.54	6.441	O	|	|	|	|	4.49
12.833	0.00	5.53	6.403	O	|	|	|	|	4.47
12.917	0.00	5.51	6.365	O	|	|	|	|	4.45
13.000	0.00	5.50	6.327	O	|	|	|	|	4.43
13.083	0.00	5.49	6.289	O	|	|	|	|	4.41
13.167	0.00	5.47	6.251	O	|	|	|	|	4.38
13.250	0.00	5.46	6.214	O	|	|	|	|	4.36
13.333	0.00	5.45	6.176	O	|	|	|	|	4.34
13.417	0.00	5.43	6.139	O	|	|	|	|	4.32
13.500	0.00	5.42	6.101	O	|	|	|	|	4.29
13.583	0.00	5.41	6.064	O	|	|	|	|	4.27
13.667	0.00	5.39	6.027	O	|	|	|	|	4.25
13.750	0.00	5.38	5.990	O	|	|	|	|	4.23
13.833	0.00	5.37	5.953	O	|	|	|	|	4.21
13.917	0.00	5.35	5.916	O	|	|	|	|	4.19
14.000	0.00	5.34	5.879	O	|	|	|	|	4.16
14.083	0.00	5.33	5.842	O	|	|	|	|	4.14
14.167	0.00	5.31	5.806	O	|	|	|	|	4.12
14.250	0.00	5.30	5.769	O	|	|	|	|	4.10
14.333	0.00	5.29	5.733	O	|	|	|	|	4.08
14.417	0.00	5.27	5.696	O	|	|	|	|	4.06
14.500	0.00	5.26	5.660	O	|	|	|	|	4.04
14.583	0.00	5.25	5.624	O	|	|	|	|	4.01
14.667	0.00	5.23	5.588	O	|	|	|	|	3.99
14.750	0.00	5.21	5.552	O	|	|	|	|	3.97
14.833	0.00	5.19	5.516	O	|	|	|	|	3.94
14.917	0.00	5.18	5.480	O	|	|	|	|	3.92
15.000	0.00	5.16	5.445	O	|	|	|	|	3.90
15.083	0.00	5.14	5.409	O	|	|	|	|	3.87
15.167	0.00	5.12	5.374	O	|	|	|	|	3.85
15.250	0.00	5.10	5.339	O	|	|	|	|	3.83
15.333	0.00	5.08	5.304	O	|	|	|	|	3.80
15.417	0.00	5.06	5.269	O	|	|	|	|	3.78
15.500	0.00	5.04	5.234	O	|	|	|	|	3.76
15.583	0.00	5.02	5.199	O	|	|	|	|	3.73
15.667	0.00	5.00	5.165	O	|	|	|	|	3.71
15.750	0.00	4.99	5.130	O	|	|	|	|	3.69
15.833	0.00	4.97	5.096	O	|	|	|	|	3.66
15.917	0.00	4.95	5.062	O	|	|	|	|	3.64
16.000	0.00	4.93	5.028	O	|	|	|	|	3.62
16.083	0.00	4.91	4.994	O	|	|	|	|	3.60
16.167	0.00	4.89	4.960	O	|	|	|	|	3.57
16.250	0.00	4.88	4.926	O	|	|	|	|	3.55
16.333	0.00	4.86	4.893	O	|	|	|	|	3.53
16.417	0.00	4.84	4.860	O	|	|	|	|	3.51
16.500	0.00	4.82	4.826	O	|	|	|	|	3.48
16.583	0.00	4.80	4.793	O	|	|	|	|	3.46
16.667	0.00	4.79	4.760	O	|	|	|	|	3.44
16.750	0.00	4.77	4.727	O	|	|	|	|	3.42
16.833	0.00	4.75	4.694	O	|	|	|	|	3.40
16.917	0.00	4.73	4.662	O	|	|	|	|	3.37
17.000	0.00	4.72	4.629	O	|	|	|	|	3.35
17.083	0.00	4.70	4.597	O	|	|	|	|	3.33
17.167	0.00	4.68	4.564	O	|	|	|	|	3.31
17.250	0.00	4.66	4.532	O	|	|	|	|	3.29
17.333	0.00	4.65	4.500	O	|	|	|	|	3.27

17.417	0.00	4.63	4.468	O	|	|	|	|	3.25
17.500	0.00	4.61	4.436	O	|	|	|	|	3.22
17.583	0.00	4.59	4.405	O	|	|	|	|	3.20
17.667	0.00	4.58	4.373	O	|	|	|	|	3.18
17.750	0.00	4.56	4.342	O	|	|	|	|	3.16
17.833	0.00	4.54	4.310	O	|	|	|	|	3.14
17.917	0.00	4.53	4.279	O	|	|	|	|	3.12
18.000	0.00	4.51	4.248	O	|	|	|	|	3.10
18.083	0.00	4.49	4.217	O	|	|	|	|	3.08
18.167	0.00	4.48	4.186	O	|	|	|	|	3.06
18.250	0.00	4.46	4.155	O	|	|	|	|	3.04
18.333	0.00	4.44	4.125	O	|	|	|	|	3.02
18.417	0.00	4.43	4.094	O	|	|	|	|	3.00
18.500	0.00	4.41	4.064	O	|	|	|	|	2.98
18.583	0.00	4.39	4.033	O	|	|	|	|	2.96
18.667	0.00	4.38	4.003	O	|	|	|	|	2.94
18.750	0.00	4.36	3.973	O	|	|	|	|	2.92
18.833	0.00	4.35	3.943	O	|	|	|	|	2.90
18.917	0.00	4.33	3.913	O	|	|	|	|	2.88
19.000	0.00	4.31	3.883	O	|	|	|	|	2.86
19.083	0.00	4.30	3.854	O	|	|	|	|	2.84
19.167	0.00	4.28	3.824	O	|	|	|	|	2.82
19.250	0.00	4.27	3.795	O	|	|	|	|	2.80
19.333	0.00	4.25	3.766	O	|	|	|	|	2.78
19.417	0.00	4.23	3.736	O	|	|	|	|	2.76
19.500	0.00	4.22	3.707	O	|	|	|	|	2.74
19.583	0.00	4.20	3.678	O	|	|	|	|	2.72
19.667	0.00	4.19	3.649	O	|	|	|	|	2.70
19.750	0.00	4.17	3.621	O	|	|	|	|	2.68
19.833	0.00	4.16	3.592	O	|	|	|	|	2.66
19.917	0.00	4.14	3.563	O	|	|	|	|	2.64
20.000	0.00	4.12	3.535	O	|	|	|	|	2.62
20.083	0.00	4.11	3.507	O	|	|	|	|	2.60
20.167	0.00	4.09	3.478	O	|	|	|	|	2.59
20.250	0.00	4.08	3.450	O	|	|	|	|	2.57
20.333	0.00	4.06	3.422	O	|	|	|	|	2.55
20.417	0.00	4.05	3.394	O	|	|	|	|	2.53
20.500	0.00	4.03	3.366	O	|	|	|	|	2.51
20.583	0.00	4.02	3.339	O	|	|	|	|	2.49
20.667	0.00	4.00	3.311	O	|	|	|	|	2.47
20.750	0.00	3.99	3.283	O	|	|	|	|	2.46
20.833	0.00	3.97	3.256	O	|	|	|	|	2.44
20.917	0.00	3.96	3.229	O	|	|	|	|	2.42
21.000	0.00	3.94	3.201	O	|	|	|	|	2.40
21.083	0.00	3.93	3.174	O	|	|	|	|	2.38
21.167	0.00	3.92	3.147	O	|	|	|	|	2.36
21.250	0.00	3.90	3.120	O	|	|	|	|	2.35
21.333	0.00	3.89	3.094	O	|	|	|	|	2.33
21.417	0.00	3.87	3.067	O	|	|	|	|	2.31
21.500	0.00	3.86	3.040	O	|	|	|	|	2.29
21.583	0.00	3.84	3.014	O	|	|	|	|	2.28
21.667	0.00	3.83	2.987	O	|	|	|	|	2.26
21.750	0.00	3.81	2.961	O	|	|	|	|	2.24
21.833	0.00	3.80	2.935	O	|	|	|	|	2.22
21.917	0.00	3.79	2.909	O	|	|	|	|	2.21
22.000	0.00	3.77	2.883	O	|	|	|	|	2.19
22.083	0.00	3.76	2.857	O	|	|	|	|	2.17
22.167	0.00	3.74	2.831	O	|	|	|	|	2.15
22.250	0.00	3.73	2.805	O	|	|	|	|	2.14
22.333	0.00	3.72	2.779	O	|	|	|	|	2.12
22.417	0.00	3.70	2.754	O	|	|	|	|	2.10
22.500	0.00	3.69	2.728	O	|	|	|	|	2.09
22.583	0.00	3.68	2.703	O	|	|	|	|	2.07
22.667	0.00	3.66	2.678	O	|	|	|	|	2.05
22.750	0.00	3.65	2.653	O	|	|	|	|	2.04
22.833	0.00	3.63	2.628	O	|	|	|	|	2.02
22.917	0.00	3.62	2.603	O	|	|	|	|	2.00
23.000	0.00	3.60	2.578	O	|	|	|	|	1.98

23.083	0.00	3.58	2.553	O	|	|	|	|	1.97
23.167	0.00	3.56	2.528	O	|	|	|	|	1.95
23.250	0.00	3.54	2.504	O	|	|	|	|	1.93
23.333	0.00	3.51	2.480	O	|	|	|	|	1.91
23.417	0.00	3.49	2.456	O	|	|	|	|	1.89
23.500	0.00	3.47	2.432	O	|	|	|	|	1.88
23.583	0.00	3.45	2.408	O	|	|	|	|	1.86
23.667	0.00	3.43	2.384	O	|	|	|	|	1.84
23.750	0.00	3.41	2.360	O	|	|	|	|	1.82
23.833	0.00	3.39	2.337	O	|	|	|	|	1.81
23.917	0.00	3.37	2.314	O	|	|	|	|	1.79
24.000	0.00	3.35	2.291	O	|	|	|	|	1.77
24.083	0.00	3.33	2.268	O	|	|	|	|	1.75
24.167	0.00	3.31	2.245	O	|	|	|	|	1.74
24.250	0.00	3.29	2.222	O	|	|	|	|	1.72
24.333	0.00	3.27	2.199	O	|	|	|	|	1.70
24.417	0.00	3.25	2.177	O	|	|	|	|	1.69
24.500	0.00	3.23	2.155	O	|	|	|	|	1.67
24.583	0.00	3.21	2.133	O	|	|	|	|	1.65
24.667	0.00	3.19	2.110	O	|	|	|	|	1.64
24.750	0.00	3.17	2.089	O	|	|	|	|	1.62
24.833	0.00	3.15	2.067	O	|	|	|	|	1.61
24.917	0.00	3.13	2.045	O	|	|	|	|	1.59
25.000	0.00	3.12	2.024	O	|	|	|	|	1.57
25.083	0.00	3.10	2.002	O	|	|	|	|	1.56
25.167	0.00	3.08	1.981	O	|	|	|	|	1.54
25.250	0.00	3.06	1.960	O	|	|	|	|	1.53
25.333	0.00	3.04	1.939	O	|	|	|	|	1.51
25.417	0.00	3.02	1.918	O	|	|	|	|	1.49
25.500	0.00	3.01	1.897	O	|	|	|	|	1.48
25.583	0.00	2.99	1.876	O	|	|	|	|	1.46
25.667	0.00	2.97	1.856	O	|	|	|	|	1.45
25.750	0.00	2.95	1.836	O	|	|	|	|	1.43
25.833	0.00	2.93	1.815	O	|	|	|	|	1.42
25.917	0.00	2.92	1.795	O	|	|	|	|	1.40
26.000	0.00	2.90	1.775	O	|	|	|	|	1.39
26.083	0.00	2.88	1.755	O	|	|	|	|	1.37
26.167	0.00	2.86	1.735	O	|	|	|	|	1.36
26.250	0.00	2.85	1.716	O	|	|	|	|	1.35
26.333	0.00	2.83	1.696	O	|	|	|	|	1.33
26.417	0.00	2.81	1.677	O	|	|	|	|	1.32
26.500	0.00	2.80	1.657	O	|	|	|	|	1.30
26.583	0.00	2.78	1.638	O	|	|	|	|	1.29
26.667	0.00	2.76	1.619	O	|	|	|	|	1.27
26.750	0.00	2.75	1.600	O	|	|	|	|	1.26
26.833	0.00	2.73	1.581	O	|	|	|	|	1.25
26.917	0.00	2.71	1.563	O	|	|	|	|	1.23
27.000	0.00	2.70	1.544	O	|	|	|	|	1.22
27.083	0.00	2.68	1.525	O	|	|	|	|	1.20
27.167	0.00	2.66	1.507	O	|	|	|	|	1.19
27.250	0.00	2.65	1.489	O	|	|	|	|	1.18
27.333	0.00	2.63	1.471	O	|	|	|	|	1.16
27.417	0.00	2.62	1.453	O	|	|	|	|	1.15
27.500	0.00	2.60	1.435	O	|	|	|	|	1.14
27.583	0.00	2.59	1.417	O	|	|	|	|	1.12
27.667	0.00	2.57	1.399	O	|	|	|	|	1.11
27.750	0.00	2.55	1.381	O	|	|	|	|	1.10
27.833	0.00	2.54	1.364	O	|	|	|	|	1.08
27.917	0.00	2.52	1.346	O	|	|	|	|	1.07
28.000	0.00	2.51	1.329	O	|	|	|	|	1.06
28.083	0.00	2.49	1.312	O	|	|	|	|	1.05
28.167	0.00	2.48	1.295	O	|	|	|	|	1.03
28.250	0.00	2.46	1.278	O	|	|	|	|	1.02
28.333	0.00	2.45	1.261	O	|	|	|	|	1.01
28.417	0.00	2.43	1.244	O	|	|	|	|	1.00
28.500	0.00	2.40	1.227	O	|	|	|	|	0.98
28.583	0.00	2.36	1.211	O	|	|	|	|	0.97
28.667	0.00	2.33	1.195	O	|	|	|	|	0.96

28.750	0.00	2.30	1.179	O	|	|	|	|	0.94
28.833	0.00	2.27	1.163	O	|	|	|	|	0.93
28.917	0.00	2.24	1.147	O	|	|	|	|	0.92
29.000	0.00	2.21	1.132	O	|	|	|	|	0.91
29.083	0.00	2.18	1.117	O	|	|	|	|	0.89
29.167	0.00	2.15	1.102	O	|	|	|	|	0.88
29.250	0.00	2.12	1.087	O	|	|	|	|	0.87
29.333	0.00	2.09	1.073	O	|	|	|	|	0.86
29.417	0.00	2.07	1.059	O	|	|	|	|	0.85
29.500	0.00	2.04	1.044	O	|	|	|	|	0.84
29.583	0.00	2.01	1.030	O	|	|	|	|	0.82
29.667	0.00	1.98	1.017	O	|	|	|	|	0.81
29.750	0.00	1.96	1.003	O	|	|	|	|	0.80
29.833	0.00	1.93	0.990	O	|	|	|	|	0.79
29.917	0.00	1.91	0.977	O	|	|	|	|	0.78
30.000	0.00	1.88	0.963	O	|	|	|	|	0.77
30.083	0.00	1.86	0.951	O	|	|	|	|	0.76
30.167	0.00	1.83	0.938	O	|	|	|	|	0.75
30.250	0.00	1.81	0.925	O	|	|	|	|	0.74
30.333	0.00	1.78	0.913	O	|	|	|	|	0.73
30.417	0.00	1.76	0.901	O	|	|	|	|	0.72
30.500	0.00	1.73	0.889	O	|	|	|	|	0.71
30.583	0.00	1.71	0.877	O	|	|	|	|	0.70
30.667	0.00	1.69	0.865	O	|	|	|	|	0.69
30.750	0.00	1.67	0.854	O	|	|	|	|	0.68
30.833	0.00	1.64	0.842	O	|	|	|	|	0.67
30.917	0.00	1.62	0.831	O	|	|	|	|	0.66
31.000	0.00	1.60	0.820	O	|	|	|	|	0.66
31.083	0.00	1.58	0.809	O	|	|	|	|	0.65
31.167	0.00	1.56	0.798	O	|	|	|	|	0.64
31.250	0.00	1.54	0.788	O	|	|	|	|	0.63
31.333	0.00	1.52	0.777	O	|	|	|	|	0.62
31.417	0.00	1.50	0.767	O	|	|	|	|	0.61
31.500	0.00	1.48	0.756	O	|	|	|	|	0.61
31.583	0.00	1.46	0.746	O	|	|	|	|	0.60
31.667	0.00	1.44	0.736	O	|	|	|	|	0.59
31.750	0.00	1.42	0.726	O	|	|	|	|	0.58
31.833	0.00	1.40	0.717	O	|	|	|	|	0.57
31.917	0.00	1.38	0.707	O	|	|	|	|	0.57
32.000	0.00	1.36	0.698	O	|	|	|	|	0.56
32.083	0.00	1.34	0.688	O	|	|	|	|	0.55
32.167	0.00	1.33	0.679	O	|	|	|	|	0.54
32.250	0.00	1.31	0.670	O	|	|	|	|	0.54
32.333	0.00	1.29	0.661	O	|	|	|	|	0.53
32.417	0.00	1.27	0.652	O	|	|	|	|	0.52
32.500	0.00	1.26	0.644	O	|	|	|	|	0.51
32.583	0.00	1.24	0.635	O	|	|	|	|	0.51
32.667	0.00	1.22	0.627	O	|	|	|	|	0.50
32.750	0.00	1.21	0.618	O	|	|	|	|	0.49
32.833	0.00	1.19	0.610	O	|	|	|	|	0.49
32.917	0.00	1.17	0.602	O	|	|	|	|	0.48
33.000	0.00	1.16	0.594	O	|	|	|	|	0.48
33.083	0.00	1.14	0.586	O	|	|	|	|	0.47
33.167	0.00	1.13	0.578	O	|	|	|	|	0.46
33.250	0.00	1.11	0.570	O	|	|	|	|	0.46
33.333	0.00	1.10	0.563	O	|	|	|	|	0.45
33.417	0.00	1.08	0.555	O	|	|	|	|	0.44
33.500	0.00	1.07	0.548	O	|	|	|	|	0.44
33.583	0.00	1.06	0.540	O	|	|	|	|	0.43
33.667	0.00	1.04	0.533	O	|	|	|	|	0.43
33.750	0.00	1.03	0.526	O	|	|	|	|	0.42
33.833	0.00	1.01	0.519	O	|	|	|	|	0.42
33.917	0.00	1.00	0.512	O	|	|	|	|	0.41
34.000	0.00	0.99	0.505	O	|	|	|	|	0.40
34.083	0.00	0.97	0.499	O	|	|	|	|	0.40
34.167	0.00	0.96	0.492	O	|	|	|	|	0.39
34.250	0.00	0.95	0.485	O	|	|	|	|	0.39
34.333	0.00	0.93	0.479	O	|	|	|	|	0.38

34.417	0.00	0.92	0.473	O	|	|	|	|	0.38
34.500	0.00	0.91	0.466	O	|	|	|	|	0.37
34.583	0.00	0.90	0.460	O	|	|	|	|	0.37
34.667	0.00	0.89	0.454	O	|	|	|	|	0.36
34.750	0.00	0.87	0.448	O	|	|	|	|	0.36
34.833	0.00	0.86	0.442	O	|	|	|	|	0.35
34.917	0.00	0.85	0.436	O	|	|	|	|	0.35
35.000	0.00	0.84	0.430	O	|	|	|	|	0.34
35.083	0.00	0.83	0.424	O	|	|	|	|	0.34
35.167	0.00	0.82	0.419	O	|	|	|	|	0.33
35.250	0.00	0.81	0.413	O	|	|	|	|	0.33
35.333	0.00	0.80	0.408	O	|	|	|	|	0.33
35.417	0.00	0.78	0.402	O	|	|	|	|	0.32
35.500	0.00	0.77	0.397	O	|	|	|	|	0.32
35.583	0.00	0.76	0.391	O	|	|	|	|	0.31
35.667	0.00	0.75	0.386	O	|	|	|	|	0.31
35.750	0.00	0.74	0.381	O	|	|	|	|	0.30
35.833	0.00	0.73	0.376	O	|	|	|	|	0.30
35.917	0.00	0.72	0.371	O	|	|	|	|	0.30
36.000	0.00	0.71	0.366	O	|	|	|	|	0.29
36.083	0.00	0.70	0.361	O	|	|	|	|	0.29
36.167	0.00	0.70	0.356	O	|	|	|	|	0.29
36.250	0.00	0.69	0.352	O	|	|	|	|	0.28
36.333	0.00	0.68	0.347	O	|	|	|	|	0.28
36.417	0.00	0.67	0.342	O	|	|	|	|	0.27
36.500	0.00	0.66	0.338	O	|	|	|	|	0.27
36.583	0.00	0.65	0.333	O	|	|	|	|	0.27
36.667	0.00	0.64	0.329	O	|	|	|	|	0.26
36.750	0.00	0.63	0.324	O	|	|	|	|	0.26
36.833	0.00	0.62	0.320	O	|	|	|	|	0.26
36.917	0.00	0.62	0.316	O	|	|	|	|	0.25
37.000	0.00	0.61	0.311	O	|	|	|	|	0.25
37.083	0.00	0.60	0.307	O	|	|	|	|	0.25
37.167	0.00	0.59	0.303	O	|	|	|	|	0.24
37.250	0.00	0.58	0.299	O	|	|	|	|	0.24
37.333	0.00	0.58	0.295	O	|	|	|	|	0.24
37.417	0.00	0.57	0.291	O	|	|	|	|	0.23
37.500	0.00	0.56	0.287	O	|	|	|	|	0.23
37.583	0.00	0.55	0.283	O	|	|	|	|	0.23
37.667	0.00	0.55	0.280	O	|	|	|	|	0.22
37.750	0.00	0.54	0.276	O	|	|	|	|	0.22
37.833	0.00	0.53	0.272	O	|	|	|	|	0.22
37.917	0.00	0.52	0.269	O	|	|	|	|	0.21
38.000	0.00	0.52	0.265	O	|	|	|	|	0.21
38.083	0.00	0.51	0.262	O	|	|	|	|	0.21
38.167	0.00	0.50	0.258	O	|	|	|	|	0.21
38.250	0.00	0.50	0.255	O	|	|	|	|	0.20
38.333	0.00	0.49	0.251	O	|	|	|	|	0.20
38.417	0.00	0.48	0.248	O	|	|	|	|	0.20
38.500	0.00	0.48	0.245	O	|	|	|	|	0.20
38.583	0.00	0.47	0.241	O	|	|	|	|	0.19
38.667	0.00	0.46	0.238	O	|	|	|	|	0.19
38.750	0.00	0.46	0.235	O	|	|	|	|	0.19
38.833	0.00	0.45	0.232	O	|	|	|	|	0.19
38.917	0.00	0.45	0.229	O	|	|	|	|	0.18
39.000	0.00	0.44	0.226	O	|	|	|	|	0.18
39.083	0.00	0.43	0.223	O	|	|	|	|	0.18
39.167	0.00	0.43	0.220	O	|	|	|	|	0.18
39.250	0.00	0.42	0.217	O	|	|	|	|	0.17
39.333	0.00	0.42	0.214	O	|	|	|	|	0.17
39.417	0.00	0.41	0.211	O	|	|	|	|	0.17
39.500	0.00	0.41	0.208	O	|	|	|	|	0.17
39.583	0.00	0.40	0.205	O	|	|	|	|	0.16
39.667	0.00	0.40	0.203	O	|	|	|	|	0.16
39.750	0.00	0.39	0.200	O	|	|	|	|	0.16
39.833	0.00	0.38	0.197	O	|	|	|	|	0.16
39.917	0.00	0.38	0.195	O	|	|	|	|	0.16
40.000	0.00	0.37	0.192	O	|	|	|	|	0.15

40.083	0.00	0.37	0.189	O					0.15
40.167	0.00	0.36	0.187	O					0.15
40.250	0.00	0.36	0.184	O					0.15
40.333	0.00	0.36	0.182	O					0.15
40.417	0.00	0.35	0.179	O					0.14
40.500	0.00	0.35	0.177	O					0.14
40.583	0.00	0.34	0.175	O					0.14
40.667	0.00	0.34	0.172	O					0.14
40.750	0.00	0.33	0.170	O					0.14
40.833	0.00	0.33	0.168	O					0.13
40.917	0.00	0.32	0.166	O					0.13
41.000	0.00	0.32	0.163	O					0.13
41.083	0.00	0.31	0.161	O					0.13
41.167	0.00	0.31	0.159	O					0.13
41.250	0.00	0.31	0.157	O					0.13
41.333	0.00	0.30	0.155	O					0.12
41.417	0.00	0.30	0.153	O					0.12
41.500	0.00	0.29	0.151	O					0.12
41.583	0.00	0.29	0.149	O					0.12
41.667	0.00	0.29	0.147	O					0.12
41.750	0.00	0.28	0.145	O					0.12
41.833	0.00	0.28	0.143	O					0.11
41.917	0.00	0.28	0.141	O					0.11
42.000	0.00	0.27	0.139	O					0.11
42.083	0.00	0.27	0.137	O					0.11
42.167	0.00	0.26	0.135	O					0.11
42.250	0.00	0.26	0.134	O					0.11
42.333	0.00	0.26	0.132	O					0.11
42.417	0.00	0.25	0.130	O					0.10
42.500	0.00	0.25	0.128	O					0.10
42.583	0.00	0.25	0.127	O					0.10
42.667	0.00	0.24	0.125	O					0.10
42.750	0.00	0.24	0.123	O					0.10
42.833	0.00	0.24	0.122	O					0.10
42.917	0.00	0.23	0.120	O					0.10
43.000	0.00	0.23	0.118	O					0.09
43.083	0.00	0.23	0.117	O					0.09
43.167	0.00	0.22	0.115	O					0.09
43.250	0.00	0.22	0.114	O					0.09
43.333	0.00	0.22	0.112	O					0.09
43.417	0.00	0.22	0.111	O					0.09
43.500	0.00	0.21	0.109	O					0.09
43.583	0.00	0.21	0.108	O					0.09
43.667	0.00	0.21	0.106	O					0.08
43.750	0.00	0.20	0.105	O					0.08
43.833	0.00	0.20	0.103	O					0.08
43.917	0.00	0.20	0.102	O					0.08
44.000	0.00	0.20	0.101	O					0.08
44.083	0.00	0.19	0.099	O					0.08
44.167	0.00	0.19	0.098	O					0.08
44.250	0.00	0.19	0.097	O					0.08
44.333	0.00	0.19	0.095	O					0.08
44.417	0.00	0.18	0.094	O					0.08
44.500	0.00	0.18	0.093	O					0.07
44.583	0.00	0.18	0.092	O					0.07
44.667	0.00	0.18	0.090	O					0.07
44.750	0.00	0.17	0.089	O					0.07
44.833	0.00	0.17	0.088	O					0.07
44.917	0.00	0.17	0.087	O					0.07
45.000	0.00	0.17	0.086	O					0.07
45.083	0.00	0.17	0.085	O					0.07
45.167	0.00	0.16	0.083	O					0.07
45.250	0.00	0.16	0.082	O					0.07
45.333	0.00	0.16	0.081	O					0.06
45.417	0.00	0.16	0.080	O					0.06
45.500	0.00	0.15	0.079	O					0.06
45.583	0.00	0.15	0.078	O					0.06
45.667	0.00	0.15	0.077	O					0.06

45.750	0.00	0.15	0.076	O	|	|	|	|	0.06
45.833	0.00	0.15	0.075	O	|	|	|	|	0.06
45.917	0.00	0.14	0.074	O	|	|	|	|	0.06
46.000	0.00	0.14	0.073	O	|	|	|	|	0.06
46.083	0.00	0.14	0.072	O	|	|	|	|	0.06
46.167	0.00	0.14	0.071	O	|	|	|	|	0.06
46.250	0.00	0.14	0.070	O	|	|	|	|	0.06
46.333	0.00	0.13	0.069	O	|	|	|	|	0.06
46.417	0.00	0.13	0.068	O	|	|	|	|	0.05
46.500	0.00	0.13	0.067	O	|	|	|	|	0.05
46.583	0.00	0.13	0.066	O	|	|	|	|	0.05
46.667	0.00	0.13	0.065	O	|	|	|	|	0.05
46.750	0.00	0.13	0.065	O	|	|	|	|	0.05
46.833	0.00	0.12	0.064	O	|	|	|	|	0.05
46.917	0.00	0.12	0.063	O	|	|	|	|	0.05
47.000	0.00	0.12	0.062	O	|	|	|	|	0.05
47.083	0.00	0.12	0.061	O	|	|	|	|	0.05
47.167	0.00	0.12	0.060	O	|	|	|	|	0.05
47.250	0.00	0.12	0.060	O	|	|	|	|	0.05
47.333	0.00	0.11	0.059	O	|	|	|	|	0.05
47.417	0.00	0.11	0.058	O	|	|	|	|	0.05
47.500	0.00	0.11	0.057	O	|	|	|	|	0.05
47.583	0.00	0.11	0.056	O	|	|	|	|	0.05
47.667	0.00	0.11	0.056	O	|	|	|	|	0.04
47.750	0.00	0.11	0.055	O	|	|	|	|	0.04
47.833	0.00	0.11	0.054	O	|	|	|	|	0.04
47.917	0.00	0.10	0.054	O	|	|	|	|	0.04
48.000	0.00	0.10	0.053	O	|	|	|	|	0.04
48.083	0.00	0.10	0.052	O	|	|	|	|	0.04
48.167	0.00	0.10	0.051	O	|	|	|	|	0.04
48.250	0.00	0.10	0.051	O	|	|	|	|	0.04
48.333	0.00	0.10	0.050	O	|	|	|	|	0.04
48.417	0.00	0.10	0.049	O	|	|	|	|	0.04
48.500	0.00	0.10	0.049	O	|	|	|	|	0.04
48.583	0.00	0.09	0.048	O	|	|	|	|	0.04
48.667	0.00	0.09	0.047	O	|	|	|	|	0.04
48.750	0.00	0.09	0.047	O	|	|	|	|	0.04
48.833	0.00	0.09	0.046	O	|	|	|	|	0.04
48.917	0.00	0.09	0.046	O	|	|	|	|	0.04
49.000	0.00	0.09	0.045	O	|	|	|	|	0.04
49.083	0.00	0.09	0.044	O	|	|	|	|	0.04
49.167	0.00	0.09	0.044	O	|	|	|	|	0.04
49.250	0.00	0.08	0.043	O	|	|	|	|	0.03
49.333	0.00	0.08	0.043	O	|	|	|	|	0.03
49.417	0.00	0.08	0.042	O	|	|	|	|	0.03
49.500	0.00	0.08	0.041	O	|	|	|	|	0.03
49.583	0.00	0.08	0.041	O	|	|	|	|	0.03
49.667	0.00	0.08	0.040	O	|	|	|	|	0.03
49.750	0.00	0.08	0.040	O	|	|	|	|	0.03
49.833	0.00	0.08	0.039	O	|	|	|	|	0.03
49.917	0.00	0.08	0.039	O	|	|	|	|	0.03
50.000	0.00	0.07	0.038	O	|	|	|	|	0.03
50.083	0.00	0.07	0.038	O	|	|	|	|	0.03
50.167	0.00	0.07	0.037	O	|	|	|	|	0.03
50.250	0.00	0.07	0.037	O	|	|	|	|	0.03
50.333	0.00	0.07	0.036	O	|	|	|	|	0.03
50.417	0.00	0.07	0.036	O	|	|	|	|	0.03
50.500	0.00	0.07	0.035	O	|	|	|	|	0.03
50.583	0.00	0.07	0.035	O	|	|	|	|	0.03
50.667	0.00	0.07	0.034	O	|	|	|	|	0.03
50.750	0.00	0.07	0.034	O	|	|	|	|	0.03
50.833	0.00	0.07	0.033	O	|	|	|	|	0.03
50.917	0.00	0.06	0.033	O	|	|	|	|	0.03
51.000	0.00	0.06	0.033	O	|	|	|	|	0.03
51.083	0.00	0.06	0.032	O	|	|	|	|	0.03
51.167	0.00	0.06	0.032	O	|	|	|	|	0.03
51.250	0.00	0.06	0.031	O	|	|	|	|	0.03
51.333	0.00	0.06	0.031	O	|	|	|	|	0.02

51.417	0.00	0.06	0.030	O	|	|	|	|	0.02
51.500	0.00	0.06	0.030	O	|	|	|	|	0.02
51.583	0.00	0.06	0.030	O	|	|	|	|	0.02
51.667	0.00	0.06	0.029	O	|	|	|	|	0.02
51.750	0.00	0.06	0.029	O	|	|	|	|	0.02
51.833	0.00	0.06	0.028	O	|	|	|	|	0.02
51.917	0.00	0.05	0.028	O	|	|	|	|	0.02
52.000	0.00	0.05	0.028	O	|	|	|	|	0.02
52.083	0.00	0.05	0.027	O	|	|	|	|	0.02
52.167	0.00	0.05	0.027	O	|	|	|	|	0.02
52.250	0.00	0.05	0.027	O	|	|	|	|	0.02
52.333	0.00	0.05	0.026	O	|	|	|	|	0.02
52.417	0.00	0.05	0.026	O	|	|	|	|	0.02
52.500	0.00	0.05	0.026	O	|	|	|	|	0.02
52.583	0.00	0.05	0.025	O	|	|	|	|	0.02
52.667	0.00	0.05	0.025	O	|	|	|	|	0.02
52.750	0.00	0.05	0.025	O	|	|	|	|	0.02
52.833	0.00	0.05	0.024	O	|	|	|	|	0.02
52.917	0.00	0.05	0.024	O	|	|	|	|	0.02
53.000	0.00	0.05	0.024	O	|	|	|	|	0.02
53.083	0.00	0.05	0.023	O	|	|	|	|	0.02
53.167	0.00	0.04	0.023	O	|	|	|	|	0.02
53.250	0.00	0.04	0.023	O	|	|	|	|	0.02
53.333	0.00	0.04	0.022	O	|	|	|	|	0.02
53.417	0.00	0.04	0.022	O	|	|	|	|	0.02
53.500	0.00	0.04	0.022	O	|	|	|	|	0.02
53.583	0.00	0.04	0.021	O	|	|	|	|	0.02
53.667	0.00	0.04	0.021	O	|	|	|	|	0.02
53.750	0.00	0.04	0.021	O	|	|	|	|	0.02
53.833	0.00	0.04	0.021	O	|	|	|	|	0.02
53.917	0.00	0.04	0.020	O	|	|	|	|	0.02
54.000	0.00	0.04	0.020	O	|	|	|	|	0.02
54.083	0.00	0.04	0.020	O	|	|	|	|	0.02
54.167	0.00	0.04	0.020	O	|	|	|	|	0.02
54.250	0.00	0.04	0.019	O	|	|	|	|	0.02
54.333	0.00	0.04	0.019	O	|	|	|	|	0.02
54.417	0.00	0.04	0.019	O	|	|	|	|	0.02
54.500	0.00	0.04	0.019	O	|	|	|	|	0.01
54.583	0.00	0.04	0.018	O	|	|	|	|	0.01
54.667	0.00	0.04	0.018	O	|	|	|	|	0.01
54.750	0.00	0.03	0.018	O	|	|	|	|	0.01
54.833	0.00	0.03	0.018	O	|	|	|	|	0.01
54.917	0.00	0.03	0.017	O	|	|	|	|	0.01
55.000	0.00	0.03	0.017	O	|	|	|	|	0.01
55.083	0.00	0.03	0.017	O	|	|	|	|	0.01
55.167	0.00	0.03	0.017	O	|	|	|	|	0.01
55.250	0.00	0.03	0.016	O	|	|	|	|	0.01
55.333	0.00	0.03	0.016	O	|	|	|	|	0.01
55.417	0.00	0.03	0.016	O	|	|	|	|	0.01
55.500	0.00	0.03	0.016	O	|	|	|	|	0.01
55.583	0.00	0.03	0.016	O	|	|	|	|	0.01
55.667	0.00	0.03	0.015	O	|	|	|	|	0.01
55.750	0.00	0.03	0.015	O	|	|	|	|	0.01
55.833	0.00	0.03	0.015	O	|	|	|	|	0.01
55.917	0.00	0.03	0.015	O	|	|	|	|	0.01
56.000	0.00	0.03	0.015	O	|	|	|	|	0.01
56.083	0.00	0.03	0.014	O	|	|	|	|	0.01
56.167	0.00	0.03	0.014	O	|	|	|	|	0.01
56.250	0.00	0.03	0.014	O	|	|	|	|	0.01
56.333	0.00	0.03	0.014	O	|	|	|	|	0.01
56.417	0.00	0.03	0.014	O	|	|	|	|	0.01
56.500	0.00	0.03	0.013	O	|	|	|	|	0.01
56.583	0.00	0.03	0.013	O	|	|	|	|	0.01
56.667	0.00	0.03	0.013	O	|	|	|	|	0.01
56.750	0.00	0.03	0.013	O	|	|	|	|	0.01
56.833	0.00	0.02	0.013	O	|	|	|	|	0.01
56.917	0.00	0.02	0.013	O	|	|	|	|	0.01
57.000	0.00	0.02	0.012	O	|	|	|	|	0.01

57.083	0.00	0.02	0.012	O	|	|	|	|	0.01
57.167	0.00	0.02	0.012	O	|	|	|	|	0.01
57.250	0.00	0.02	0.012	O	|	|	|	|	0.01
57.333	0.00	0.02	0.012	O	|	|	|	|	0.01
57.417	0.00	0.02	0.012	O	|	|	|	|	0.01
57.500	0.00	0.02	0.011	O	|	|	|	|	0.01
57.583	0.00	0.02	0.011	O	|	|	|	|	0.01
57.667	0.00	0.02	0.011	O	|	|	|	|	0.01
57.750	0.00	0.02	0.011	O	|	|	|	|	0.01
57.833	0.00	0.02	0.011	O	|	|	|	|	0.01
57.917	0.00	0.02	0.011	O	|	|	|	|	0.01
58.000	0.00	0.02	0.011	O	|	|	|	|	0.01
58.083	0.00	0.02	0.010	O	|	|	|	|	0.01
58.167	0.00	0.02	0.010	O	|	|	|	|	0.01
58.250	0.00	0.02	0.010	O	|	|	|	|	0.01
58.333	0.00	0.02	0.010	O	|	|	|	|	0.01
58.417	0.00	0.02	0.010	O	|	|	|	|	0.01
58.500	0.00	0.02	0.010	O	|	|	|	|	0.01
58.583	0.00	0.02	0.010	O	|	|	|	|	0.01
58.667	0.00	0.02	0.009	O	|	|	|	|	0.01
58.750	0.00	0.02	0.009	O	|	|	|	|	0.01
58.833	0.00	0.02	0.009	O	|	|	|	|	0.01
58.917	0.00	0.02	0.009	O	|	|	|	|	0.01
59.000	0.00	0.02	0.009	O	|	|	|	|	0.01
59.083	0.00	0.02	0.009	O	|	|	|	|	0.01
59.167	0.00	0.02	0.009	O	|	|	|	|	0.01
59.250	0.00	0.02	0.009	O	|	|	|	|	0.01
59.333	0.00	0.02	0.008	O	|	|	|	|	0.01
59.417	0.00	0.02	0.008	O	|	|	|	|	0.01
59.500	0.00	0.02	0.008	O	|	|	|	|	0.01
59.583	0.00	0.02	0.008	O	|	|	|	|	0.01
59.667	0.00	0.02	0.008	O	|	|	|	|	0.01
59.750	0.00	0.02	0.008	O	|	|	|	|	0.01
59.833	0.00	0.02	0.008	O	|	|	|	|	0.01
59.917	0.00	0.02	0.008	O	|	|	|	|	0.01
60.000	0.00	0.01	0.008	O	|	|	|	|	0.01
60.083	0.00	0.01	0.008	O	|	|	|	|	0.01
60.167	0.00	0.01	0.007	O	|	|	|	|	0.01
60.250	0.00	0.01	0.007	O	|	|	|	|	0.01
60.333	0.00	0.01	0.007	O	|	|	|	|	0.01
60.417	0.00	0.01	0.007	O	|	|	|	|	0.01
60.500	0.00	0.01	0.007	O	|	|	|	|	0.01
60.583	0.00	0.01	0.007	O	|	|	|	|	0.01
60.667	0.00	0.01	0.007	O	|	|	|	|	0.01
60.750	0.00	0.01	0.007	O	|	|	|	|	0.01
60.833	0.00	0.01	0.007	O	|	|	|	|	0.01
60.917	0.00	0.01	0.007	O	|	|	|	|	0.01
61.000	0.00	0.01	0.006	O	|	|	|	|	0.01
61.083	0.00	0.01	0.006	O	|	|	|	|	0.01
61.167	0.00	0.01	0.006	O	|	|	|	|	0.01
61.250	0.00	0.01	0.006	O	|	|	|	|	0.00
61.333	0.00	0.01	0.006	O	|	|	|	|	0.00
61.417	0.00	0.01	0.006	O	|	|	|	|	0.00
61.500	0.00	0.01	0.006	O	|	|	|	|	0.00
61.583	0.00	0.01	0.006	O	|	|	|	|	0.00
61.667	0.00	0.01	0.006	O	|	|	|	|	0.00
61.750	0.00	0.01	0.006	O	|	|	|	|	0.00
61.833	0.00	0.01	0.006	O	|	|	|	|	0.00
61.917	0.00	0.01	0.006	O	|	|	|	|	0.00
62.000	0.00	0.01	0.006	O	|	|	|	|	0.00
62.083	0.00	0.01	0.005	O	|	|	|	|	0.00
62.167	0.00	0.01	0.005	O	|	|	|	|	0.00
62.250	0.00	0.01	0.005	O	|	|	|	|	0.00
62.333	0.00	0.01	0.005	O	|	|	|	|	0.00
62.417	0.00	0.01	0.005	O	|	|	|	|	0.00
62.500	0.00	0.01	0.005	O	|	|	|	|	0.00
62.583	0.00	0.01	0.005	O	|	|	|	|	0.00
62.667	0.00	0.01	0.005	O	|	|	|	|	0.00

62.750	0.00	0.01	0.005	O	|	|	|	|	0.00
62.833	0.00	0.01	0.005	O	|	|	|	|	0.00
62.917	0.00	0.01	0.005	O	|	|	|	|	0.00
63.000	0.00	0.01	0.005	O	|	|	|	|	0.00
63.083	0.00	0.01	0.005	O	|	|	|	|	0.00
63.167	0.00	0.01	0.005	O	|	|	|	|	0.00
63.250	0.00	0.01	0.005	O	|	|	|	|	0.00
63.333	0.00	0.01	0.004	O	|	|	|	|	0.00
63.417	0.00	0.01	0.004	O	|	|	|	|	0.00
63.500	0.00	0.01	0.004	O	|	|	|	|	0.00
63.583	0.00	0.01	0.004	O	|	|	|	|	0.00
63.667	0.00	0.01	0.004	O	|	|	|	|	0.00
63.750	0.00	0.01	0.004	O	|	|	|	|	0.00
63.833	0.00	0.01	0.004	O	|	|	|	|	0.00
63.917	0.00	0.01	0.004	O	|	|	|	|	0.00
64.000	0.00	0.01	0.004	O	|	|	|	|	0.00
64.083	0.00	0.01	0.004	O	|	|	|	|	0.00
64.167	0.00	0.01	0.004	O	|	|	|	|	0.00
64.250	0.00	0.01	0.004	O	|	|	|	|	0.00
64.333	0.00	0.01	0.004	O	|	|	|	|	0.00
64.417	0.00	0.01	0.004	O	|	|	|	|	0.00
64.500	0.00	0.01	0.004	O	|	|	|	|	0.00
64.583	0.00	0.01	0.004	O	|	|	|	|	0.00
64.667	0.00	0.01	0.004	O	|	|	|	|	0.00
64.750	0.00	0.01	0.004	O	|	|	|	|	0.00
64.833	0.00	0.01	0.003	O	|	|	|	|	0.00
64.917	0.00	0.01	0.003	O	|	|	|	|	0.00
65.000	0.00	0.01	0.003	O	|	|	|	|	0.00
65.083	0.00	0.01	0.003	O	|	|	|	|	0.00
65.167	0.00	0.01	0.003	O	|	|	|	|	0.00
65.250	0.00	0.01	0.003	O	|	|	|	|	0.00
65.333	0.00	0.01	0.003	O	|	|	|	|	0.00
65.417	0.00	0.01	0.003	O	|	|	|	|	0.00
65.500	0.00	0.01	0.003	O	|	|	|	|	0.00
65.583	0.00	0.01	0.003	O	|	|	|	|	0.00
65.667	0.00	0.01	0.003	O	|	|	|	|	0.00
65.750	0.00	0.01	0.003	O	|	|	|	|	0.00
65.833	0.00	0.01	0.003	O	|	|	|	|	0.00
65.917	0.00	0.01	0.003	O	|	|	|	|	0.00
66.000	0.00	0.01	0.003	O	|	|	|	|	0.00
66.083	0.00	0.01	0.003	O	|	|	|	|	0.00
66.167	0.00	0.01	0.003	O	|	|	|	|	0.00
66.250	0.00	0.01	0.003	O	|	|	|	|	0.00
66.333	0.00	0.01	0.003	O	|	|	|	|	0.00
66.417	0.00	0.01	0.003	O	|	|	|	|	0.00
66.500	0.00	0.01	0.003	O	|	|	|	|	0.00
66.583	0.00	0.01	0.003	O	|	|	|	|	0.00
66.667	0.00	0.01	0.003	O	|	|	|	|	0.00
66.750	0.00	0.01	0.003	O	|	|	|	|	0.00
66.833	0.00	0.00	0.003	O	|	|	|	|	0.00
66.917	0.00	0.00	0.002	O	|	|	|	|	0.00
67.000	0.00	0.00	0.002	O	|	|	|	|	0.00
67.083	0.00	0.00	0.002	O	|	|	|	|	0.00
67.167	0.00	0.00	0.002	O	|	|	|	|	0.00
67.250	0.00	0.00	0.002	O	|	|	|	|	0.00
67.333	0.00	0.00	0.002	O	|	|	|	|	0.00
67.417	0.00	0.00	0.002	O	|	|	|	|	0.00
67.500	0.00	0.00	0.002	O	|	|	|	|	0.00
67.583	0.00	0.00	0.002	O	|	|	|	|	0.00
67.667	0.00	0.00	0.002	O	|	|	|	|	0.00
67.750	0.00	0.00	0.002	O	|	|	|	|	0.00
67.833	0.00	0.00	0.002	O	|	|	|	|	0.00
67.917	0.00	0.00	0.002	O	|	|	|	|	0.00
68.000	0.00	0.00	0.002	O	|	|	|	|	0.00
68.083	0.00	0.00	0.002	O	|	|	|	|	0.00
68.167	0.00	0.00	0.002	O	|	|	|	|	0.00
68.250	0.00	0.00	0.002	O	|	|	|	|	0.00
68.333	0.00	0.00	0.002	O	|	|	|	|	0.00

68.417	0.00	0.00	0.002	O	|	|	|	|	0.00
68.500	0.00	0.00	0.002	O	|	|	|	|	0.00
68.583	0.00	0.00	0.002	O	|	|	|	|	0.00
68.667	0.00	0.00	0.002	O	|	|	|	|	0.00
68.750	0.00	0.00	0.002	O	|	|	|	|	0.00
68.833	0.00	0.00	0.002	O	|	|	|	|	0.00
68.917	0.00	0.00	0.002	O	|	|	|	|	0.00
69.000	0.00	0.00	0.002	O	|	|	|	|	0.00
69.083	0.00	0.00	0.002	O	|	|	|	|	0.00
69.167	0.00	0.00	0.002	O	|	|	|	|	0.00
69.250	0.00	0.00	0.002	O	|	|	|	|	0.00
69.333	0.00	0.00	0.002	O	|	|	|	|	0.00
69.417	0.00	0.00	0.002	O	|	|	|	|	0.00
69.500	0.00	0.00	0.002	O	|	|	|	|	0.00
69.583	0.00	0.00	0.002	O	|	|	|	|	0.00
69.667	0.00	0.00	0.002	O	|	|	|	|	0.00
69.750	0.00	0.00	0.002	O	|	|	|	|	0.00
69.833	0.00	0.00	0.002	O	|	|	|	|	0.00
69.917	0.00	0.00	0.002	O	|	|	|	|	0.00
70.000	0.00	0.00	0.002	O	|	|	|	|	0.00
70.083	0.00	0.00	0.001	O	|	|	|	|	0.00
70.167	0.00	0.00	0.001	O	|	|	|	|	0.00
70.250	0.00	0.00	0.001	O	|	|	|	|	0.00
70.333	0.00	0.00	0.001	O	|	|	|	|	0.00
70.417	0.00	0.00	0.001	O	|	|	|	|	0.00
70.500	0.00	0.00	0.001	O	|	|	|	|	0.00
70.583	0.00	0.00	0.001	O	|	|	|	|	0.00
70.667	0.00	0.00	0.001	O	|	|	|	|	0.00
70.750	0.00	0.00	0.001	O	|	|	|	|	0.00
70.833	0.00	0.00	0.001	O	|	|	|	|	0.00
70.917	0.00	0.00	0.001	O	|	|	|	|	0.00
71.000	0.00	0.00	0.001	O	|	|	|	|	0.00
71.083	0.00	0.00	0.001	O	|	|	|	|	0.00
71.167	0.00	0.00	0.001	O	|	|	|	|	0.00
71.250	0.00	0.00	0.001	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 855
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 22.591 (CFS)
Total volume = 13.973 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/28/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: BASIN6100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 29
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 257.330 (CFS)
Total volume = 16.705 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN J- ROUTING, BASED ON MANUAL UH WITH REDUCED PEAK BY 70CFS DUE TO FLOWBY 70CFS DOWNSREAM
100YR-6HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 29
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.250	2.440	1.242	1.258
2.000	2.600	3.620	2.588	2.612
4.000	5.600	5.240	5.582	5.618
6.000	9.000	6.460	8.978	9.022
8.000	12.840	11.460	12.801	12.879
9.000	14.930	92.740	14.611	15.249
10.000	17.130	240.050	16.303	17.957

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 64.3 128.66 193.00 257.33	Depth (Ft.)
0.083	0.57	0.00	0.002	O | | | |	0.00
0.167	7.01	0.05	0.028	O | | | |	0.02
0.250	12.69	0.19	0.095	OI | | | |	0.08
0.333	12.69	0.35	0.180	OI | | | |	0.14

0.417	21.15	0.57	0.294	O I	|	|	|	|	0.24
0.500	24.43	0.87	0.446	O I	|	|	|	|	0.36
0.583	29.10	1.22	0.623	O I	|	|	|	|	0.50
0.667	32.35	1.61	0.825	O I	|	|	|	|	0.66
0.750	38.23	2.06	1.055	O I	|	|	|	|	0.84
0.833	45.02	2.51	1.326	O I	|	|	|	|	1.06
0.917	52.13	2.78	1.642	O I	|	|	|	|	1.29
1.000	59.51	3.10	2.007	O I	|	|	|	|	1.56
1.083	65.69	3.46	2.415	O I	|	|	|	|	1.86
1.167	69.65	3.76	2.856	O I	|	|	|	|	2.17
1.250	75.92	4.01	3.331	O |I	|	|	|	|	2.49
1.333	83.02	4.29	3.850	O | I	|	|	|	|	2.83
1.417	89.10	4.60	4.412	O | I	|	|	|	|	3.21
1.500	92.93	4.92	5.006	O | I	|	|	|	|	3.60
1.583	99.15	5.25	5.632	O | I	|	|	|	|	4.02
1.667	111.22	5.50	6.319	O | I	|	|	|	|	4.42
1.750	138.06	5.79	7.139	O | |I	|	|	|	|	4.91
1.833	167.88	6.16	8.151	O | | I	|	|	|	|	5.50
1.917	192.83	6.91	9.348	O | | I	|	|	|	|	6.18
2.000	219.07	8.69	10.713	|O | | I	|	|	|	|	6.89
2.083	257.33	10.74	12.287	|O | | I	|	|	|	|	7.71
2.167	254.55	50.32	13.839	| O | | I	|	|	|	|	8.48
2.250	125.27	83.29	14.687	| | O I	|	|	|	|	8.88
2.333	**45.14**	**83.74**	**14.699**	**| I | O**	**|**	**|**	**|**	**|**	**8.89**
2.417	3.86	69.75	14.339	I O	|	|	|	|	8.72
2.500	0.00	53.73	13.927	I O |	|	|	|	|	8.52
2.583	0.00	41.04	13.601	I O |	|	|	|	|	8.36
2.667	0.00	31.34	13.351	I O |	|	|	|	|	8.24
2.750	0.00	23.94	13.161	I O |	|	|	|	|	8.15
2.833	0.00	18.29	13.016	I O |	|	|	|	|	8.08
2.917	0.00	13.97	12.904	IO |	|	|	|	|	8.03
3.000	0.00	11.43	12.817	IO |	|	|	|	|	7.99
3.083	0.00	11.33	12.739	IO |	|	|	|	|	7.95
3.167	0.00	11.23	12.661	IO |	|	|	|	|	7.91
3.250	0.00	11.13	12.584	IO |	|	|	|	|	7.87
3.333	0.00	11.03	12.508	IO |	|	|	|	|	7.83
3.417	0.00	10.93	12.432	IO |	|	|	|	|	7.79
3.500	0.00	10.83	12.357	IO |	|	|	|	|	7.75
3.583	0.00	10.73	12.283	IO |	|	|	|	|	7.71
3.667	0.00	10.64	12.209	IO |	|	|	|	|	7.67
3.750	0.00	10.54	12.136	IO |	|	|	|	|	7.63
3.833	0.00	10.45	12.064	IO |	|	|	|	|	7.60
3.917	0.00	10.36	11.992	IO |	|	|	|	|	7.56
4.000	0.00	10.26	11.921	IO |	|	|	|	|	7.52
4.083	0.00	10.17	11.851	IO |	|	|	|	|	7.48
4.167	0.00	10.08	11.781	IO |	|	|	|	|	7.45
4.250	0.00	9.99	11.712	IO |	|	|	|	|	7.41
4.333	0.00	9.90	11.644	IO |	|	|	|	|	7.38
4.417	0.00	9.81	11.576	IO |	|	|	|	|	7.34
4.500	0.00	9.73	11.508	IO |	|	|	|	|	7.31
4.583	0.00	9.64	11.442	IO |	|	|	|	|	7.27
4.667	0.00	9.55	11.376	IO |	|	|	|	|	7.24
4.750	0.00	9.47	11.310	IO |	|	|	|	|	7.20
4.833	0.00	9.38	11.245	IO |	|	|	|	|	7.17
4.917	0.00	9.30	11.181	IO |	|	|	|	|	7.14
5.000	0.00	9.22	11.117	IO |	|	|	|	|	7.10
5.083	0.00	9.13	11.054	IO |	|	|	|	|	7.07
5.167	0.00	9.05	10.991	IO |	|	|	|	|	7.04
5.250	0.00	8.97	10.929	IO |	|	|	|	|	7.00
5.333	0.00	8.89	10.868	IO |	|	|	|	|	6.97
5.417	0.00	8.81	10.807	IO |	|	|	|	|	6.94
5.500	0.00	8.73	10.746	IO |	|	|	|	|	6.91
5.583	0.00	8.66	10.687	IO |	|	|	|	|	6.88
5.667	0.00	8.58	10.627	IO |	|	|	|	|	6.85
5.750	0.00	8.50	10.568	IO |	|	|	|	|	6.82
5.833	0.00	8.43	10.510	IO |	|	|	|	|	6.79
5.917	0.00	8.35	10.452	IO |	|	|	|	|	6.76
6.000	0.00	8.28	10.395	IO |	|	|	|	|	6.73
6.083	0.00	8.20	10.338	IO |	|	|	|	|	6.70

6.167	0.00	8.13	10.282	IO				6.67
6.250	0.00	8.06	10.226	IO				6.64
6.333	0.00	7.98	10.171	O				6.61
6.417	0.00	7.91	10.116	O				6.58
6.500	0.00	7.84	10.062	O				6.55
6.583	0.00	7.77	10.008	O				6.53
6.667	0.00	7.70	9.955	O				6.50
6.750	0.00	7.63	9.902	O				6.47
6.833	0.00	7.57	9.850	O				6.44
6.917	0.00	7.50	9.798	O				6.42
7.000	0.00	7.43	9.747	O				6.39
7.083	0.00	7.37	9.696	O				6.36
7.167	0.00	7.30	9.645	O				6.34
7.250	0.00	7.23	9.595	O				6.31
7.333	0.00	7.17	9.545	O				6.28
7.417	0.00	7.11	9.496	O				6.26
7.500	0.00	7.04	9.448	O				6.23
7.583	0.00	6.98	9.399	O				6.21
7.667	0.00	6.92	9.351	O				6.18
7.750	0.00	6.86	9.304	O				6.16
7.833	0.00	6.79	9.257	O				6.13
7.917	0.00	6.73	9.210	O				6.11
8.000	0.00	6.67	9.164	O				6.09
8.083	0.00	6.61	9.118	O				6.06
8.167	0.00	6.56	9.073	O				6.04
8.250	0.00	6.50	9.028	O				6.01
8.333	0.00	6.45	8.984	O				5.99
8.417	0.00	6.44	8.939	O				5.96
8.500	0.00	6.42	8.895	O				5.94
8.583	0.00	6.41	8.851	O				5.91
8.667	0.00	6.39	8.807	O				5.89
8.750	0.00	6.37	8.763	O				5.86
8.833	0.00	6.36	8.719	O				5.83
8.917	0.00	6.34	8.675	O				5.81
9.000	0.00	6.33	8.631	O				5.78
9.083	0.00	6.31	8.588	O				5.76
9.167	0.00	6.30	8.545	O				5.73
9.250	0.00	6.28	8.501	O				5.71
9.333	0.00	6.27	8.458	O				5.68
9.417	0.00	6.25	8.415	O				5.66
9.500	0.00	6.23	8.372	O				5.63
9.583	0.00	6.22	8.329	O				5.61
9.667	0.00	6.20	8.286	O				5.58
9.750	0.00	6.19	8.244	O				5.56
9.833	0.00	6.17	8.201	O				5.53
9.917	0.00	6.16	8.159	O				5.51
10.000	0.00	6.14	8.116	O				5.48
10.083	0.00	6.13	8.074	O				5.46
10.167	0.00	6.11	8.032	O				5.43
10.250	0.00	6.10	7.990	O				5.41
10.333	0.00	6.08	7.948	O				5.38
10.417	0.00	6.07	7.906	O				5.36
10.500	0.00	6.05	7.864	O				5.33
10.583	0.00	6.04	7.823	O				5.31
10.667	0.00	6.02	7.781	O				5.28
10.750	0.00	6.01	7.740	O				5.26
10.833	0.00	5.99	7.698	O				5.23
10.917	0.00	5.98	7.657	O				5.21
11.000	0.00	5.96	7.616	O				5.19
11.083	0.00	5.95	7.575	O				5.16
11.167	0.00	5.93	7.534	O				5.14
11.250	0.00	5.92	7.493	O				5.11
11.333	0.00	5.90	7.452	O				5.09
11.417	0.00	5.89	7.412	O				5.07
11.500	0.00	5.88	7.371	O				5.04
11.583	0.00	5.86	7.331	O				5.02
11.667	0.00	5.85	7.291	O				4.99
11.750	0.00	5.83	7.250	O				4.97
11.833	0.00	5.82	7.210	O				4.95

11.917	0.00	5.80	7.170	O					4.92
12.000	0.00	5.79	7.130	O					4.90
12.083	0.00	5.77	7.091	O					4.88
12.167	0.00	5.76	7.051	O					4.85
12.250	0.00	5.75	7.011	O					4.83
12.333	0.00	5.73	6.972	O					4.81
12.417	0.00	5.72	6.932	O					4.78
12.500	0.00	5.70	6.893	O					4.76
12.583	0.00	5.69	6.854	O					4.74
12.667	0.00	5.68	6.815	O					4.71
12.750	0.00	5.66	6.775	O					4.69
12.833	0.00	5.65	6.737	O					4.67
12.917	0.00	5.63	6.698	O					4.65
13.000	0.00	5.62	6.659	O					4.62
13.083	0.00	5.61	6.620	O					4.60
13.167	0.00	5.59	6.582	O					4.58
13.250	0.00	5.58	6.543	O					4.55
13.333	0.00	5.56	6.505	O					4.53
13.417	0.00	5.55	6.467	O					4.51
13.500	0.00	5.54	6.428	O					4.49
13.583	0.00	5.52	6.390	O					4.46
13.667	0.00	5.51	6.352	O					4.44
13.750	0.00	5.50	6.314	O					4.42
13.833	0.00	5.48	6.277	O					4.40
13.917	0.00	5.47	6.239	O					4.38
14.000	0.00	5.46	6.201	O					4.35
14.083	0.00	5.44	6.164	O					4.33
14.167	0.00	5.43	6.126	O					4.31
14.250	0.00	5.42	6.089	O					4.29
14.333	0.00	5.40	6.052	O					4.27
14.417	0.00	5.39	6.015	O					4.24
14.500	0.00	5.38	5.978	O					4.22
14.583	0.00	5.36	5.941	O					4.20
14.667	0.00	5.35	5.904	O					4.18
14.750	0.00	5.34	5.867	O					4.16
14.833	0.00	5.32	5.830	O					4.14
14.917	0.00	5.31	5.794	O					4.11
15.000	0.00	5.30	5.757	O					4.09
15.083	0.00	5.28	5.721	O					4.07
15.167	0.00	5.27	5.684	O					4.05
15.250	0.00	5.26	5.648	O					4.03
15.333	0.00	5.24	5.612	O					4.01
15.417	0.00	5.23	5.576	O					3.98
15.500	0.00	5.21	5.540	O					3.96
15.583	0.00	5.19	5.504	O					3.94
15.667	0.00	5.17	5.468	O					3.91
15.750	0.00	5.15	5.433	O					3.89
15.833	0.00	5.13	5.397	O					3.86
15.917	0.00	5.11	5.362	O					3.84
16.000	0.00	5.09	5.327	O					3.82
16.083	0.00	5.07	5.292	O					3.79
16.167	0.00	5.05	5.257	O					3.77
16.250	0.00	5.04	5.222	O					3.75
16.333	0.00	5.02	5.188	O					3.73
16.417	0.00	5.00	5.153	O					3.70
16.500	0.00	4.98	5.119	O					3.68
16.583	0.00	4.96	5.085	O					3.66
16.667	0.00	4.94	5.051	O					3.63
16.750	0.00	4.92	5.017	O					3.61
16.833	0.00	4.91	4.983	O					3.59
16.917	0.00	4.89	4.949	O					3.57
17.000	0.00	4.87	4.915	O					3.54
17.083	0.00	4.85	4.882	O					3.52
17.167	0.00	4.83	4.849	O					3.50
17.250	0.00	4.82	4.815	O					3.48
17.333	0.00	4.80	4.782	O					3.45
17.417	0.00	4.78	4.749	O					3.43
17.500	0.00	4.76	4.716	O					3.41
17.583	0.00	4.75	4.684	O					3.39

17.667	0.00	4.73	4.651	O					3.37
17.750	0.00	4.71	4.619	O					3.35
17.833	0.00	4.69	4.586	O					3.32
17.917	0.00	4.68	4.554	O					3.30
18.000	0.00	4.66	4.522	O					3.28
18.083	0.00	4.64	4.490	O					3.26
18.167	0.00	4.62	4.458	O					3.24
18.250	0.00	4.61	4.426	O					3.22
18.333	0.00	4.59	4.394	O					3.20
18.417	0.00	4.57	4.363	O					3.18
18.500	0.00	4.55	4.331	O					3.15
18.583	0.00	4.54	4.300	O					3.13
18.667	0.00	4.52	4.269	O					3.11
18.750	0.00	4.50	4.238	O					3.09
18.833	0.00	4.49	4.207	O					3.07
18.917	0.00	4.47	4.176	O					3.05
19.000	0.00	4.45	4.145	O					3.03
19.083	0.00	4.44	4.115	O					3.01
19.167	0.00	4.42	4.084	O					2.99
19.250	0.00	4.41	4.054	O					2.97
19.333	0.00	4.39	4.023	O					2.95
19.417	0.00	4.37	3.993	O					2.93
19.500	0.00	4.36	3.963	O					2.91
19.583	0.00	4.34	3.933	O					2.89
19.667	0.00	4.32	3.903	O					2.87
19.750	0.00	4.31	3.874	O					2.85
19.833	0.00	4.29	3.844	O					2.83
19.917	0.00	4.28	3.815	O					2.81
20.000	0.00	4.26	3.785	O					2.79
20.083	0.00	4.24	3.756	O					2.77
20.167	0.00	4.23	3.727	O					2.75
20.250	0.00	4.21	3.698	O					2.73
20.333	0.00	4.20	3.669	O					2.71
20.417	0.00	4.18	3.640	O					2.69
20.500	0.00	4.17	3.611	O					2.67
20.583	0.00	4.15	3.583	O					2.66
20.667	0.00	4.14	3.554	O					2.64
20.750	0.00	4.12	3.526	O					2.62
20.833	0.00	4.10	3.497	O					2.60
20.917	0.00	4.09	3.469	O					2.58
21.000	0.00	4.07	3.441	O					2.56
21.083	0.00	4.06	3.413	O					2.54
21.167	0.00	4.04	3.385	O					2.52
21.250	0.00	4.03	3.357	O					2.50
21.333	0.00	4.01	3.330	O					2.49
21.417	0.00	4.00	3.302	O					2.47
21.500	0.00	3.98	3.274	O					2.45
21.583	0.00	3.97	3.247	O					2.43
21.667	0.00	3.95	3.220	O					2.41
21.750	0.00	3.94	3.193	O					2.40
21.833	0.00	3.93	3.165	O					2.38
21.917	0.00	3.91	3.139	O					2.36
22.000	0.00	3.90	3.112	O					2.34
22.083	0.00	3.88	3.085	O					2.32
22.167	0.00	3.87	3.058	O					2.31
22.250	0.00	3.85	3.032	O					2.29
22.333	0.00	3.84	3.005	O					2.27
22.417	0.00	3.82	2.979	O					2.25
22.500	0.00	3.81	2.952	O					2.23
22.583	0.00	3.80	2.926	O					2.22
22.667	0.00	3.78	2.900	O					2.20
22.750	0.00	3.77	2.874	O					2.18
22.833	0.00	3.75	2.848	O					2.17
22.917	0.00	3.74	2.822	O					2.15
23.000	0.00	3.73	2.797	O					2.13
23.083	0.00	3.71	2.771	O					2.11
23.167	0.00	3.70	2.746	O					2.10
23.250	0.00	3.68	2.720	O					2.08
23.333	0.00	3.67	2.695	O					2.06

23.417	0.00	3.66	2.670	O					2.05
23.500	0.00	3.64	2.644	O					2.03
23.583	0.00	3.63	2.619	O					2.01
23.667	0.00	3.62	2.594	O					2.00
23.750	0.00	3.59	2.570	O					1.98
23.833	0.00	3.57	2.545	O					1.96
23.917	0.00	3.55	2.520	O					1.94
24.000	0.00	3.53	2.496	O					1.92
24.083	0.00	3.51	2.472	O					1.91
24.167	0.00	3.49	2.448	O					1.89
24.250	0.00	3.47	2.424	O					1.87
24.333	0.00	3.45	2.400	O					1.85
24.417	0.00	3.42	2.376	O					1.83
24.500	0.00	3.40	2.353	O					1.82
24.583	0.00	3.38	2.329	O					1.80
24.667	0.00	3.36	2.306	O					1.78
24.750	0.00	3.34	2.283	O					1.77
24.833	0.00	3.32	2.260	O					1.75
24.917	0.00	3.30	2.237	O					1.73
25.000	0.00	3.28	2.215	O					1.71
25.083	0.00	3.26	2.192	O					1.70
25.167	0.00	3.24	2.170	O					1.68
25.250	0.00	3.22	2.147	O					1.66
25.333	0.00	3.21	2.125	O					1.65
25.417	0.00	3.19	2.103	O					1.63
25.500	0.00	3.17	2.081	O					1.62
25.583	0.00	3.15	2.060	O					1.60
25.667	0.00	3.13	2.038	O					1.58
25.750	0.00	3.11	2.017	O					1.57
25.833	0.00	3.09	1.995	O					1.55
25.917	0.00	3.07	1.974	O					1.54
26.000	0.00	3.05	1.953	O					1.52
26.083	0.00	3.04	1.932	O					1.51
26.167	0.00	3.02	1.911	O					1.49
26.250	0.00	3.00	1.890	O					1.47
26.333	0.00	2.98	1.870	O					1.46
26.417	0.00	2.96	1.849	O					1.44
26.500	0.00	2.95	1.829	O					1.43
26.583	0.00	2.93	1.809	O					1.41
26.667	0.00	2.91	1.789	O					1.40
26.750	0.00	2.89	1.769	O					1.38
26.833	0.00	2.88	1.749	O					1.37
26.917	0.00	2.86	1.729	O					1.35
27.000	0.00	2.84	1.709	O					1.34
27.083	0.00	2.82	1.690	O					1.33
27.167	0.00	2.81	1.670	O					1.31
27.250	0.00	2.79	1.651	O					1.30
27.333	0.00	2.77	1.632	O					1.28
27.417	0.00	2.76	1.613	O					1.27
27.500	0.00	2.74	1.594	O					1.25
27.583	0.00	2.72	1.575	O					1.24
27.667	0.00	2.71	1.557	O					1.23
27.750	0.00	2.69	1.538	O					1.21
27.833	0.00	2.68	1.519	O					1.20
27.917	0.00	2.66	1.501	O					1.19
28.000	0.00	2.64	1.483	O					1.17
28.083	0.00	2.63	1.465	O					1.16
28.167	0.00	2.61	1.447	O					1.15
28.250	0.00	2.60	1.429	O					1.13
28.333	0.00	2.58	1.411	O					1.12
28.417	0.00	2.57	1.393	O					1.11
28.500	0.00	2.55	1.376	O					1.09
28.583	0.00	2.53	1.358	O					1.08
28.667	0.00	2.52	1.341	O					1.07
28.750	0.00	2.50	1.323	O					1.05
28.833	0.00	2.49	1.306	O					1.04
28.917	0.00	2.47	1.289	O					1.03
29.000	0.00	2.46	1.272	O					1.02
29.083	0.00	2.44	1.255	O					1.00

29.167	0.00	2.42	1.238	O					0.99
29.250	0.00	2.39	1.222	O					0.98
29.333	0.00	2.35	1.206	O					0.96
29.417	0.00	2.32	1.189	O					0.95
29.500	0.00	2.29	1.174	O					0.94
29.583	0.00	2.26	1.158	O					0.93
29.667	0.00	2.23	1.142	O					0.91
29.750	0.00	2.20	1.127	O					0.90
29.833	0.00	2.17	1.112	O					0.89
29.917	0.00	2.14	1.097	O					0.88
30.000	0.00	2.11	1.083	O					0.87
30.083	0.00	2.09	1.068	O					0.85
30.167	0.00	2.06	1.054	O					0.84
30.250	0.00	2.03	1.040	O					0.83
30.333	0.00	2.00	1.026	O					0.82
30.417	0.00	1.98	1.012	O					0.81
30.500	0.00	1.95	0.999	O					0.80
30.583	0.00	1.92	0.985	O					0.79
30.667	0.00	1.90	0.972	O					0.78
30.750	0.00	1.87	0.959	O					0.77
30.833	0.00	1.85	0.946	O					0.76
30.917	0.00	1.82	0.934	O					0.75
31.000	0.00	1.80	0.921	O					0.74
31.083	0.00	1.77	0.909	O					0.73
31.167	0.00	1.75	0.897	O					0.72
31.250	0.00	1.73	0.885	O					0.71
31.333	0.00	1.70	0.873	O					0.70
31.417	0.00	1.68	0.861	O					0.69
31.500	0.00	1.66	0.850	O					0.68
31.583	0.00	1.64	0.839	O					0.67
31.667	0.00	1.62	0.827	O					0.66
31.750	0.00	1.59	0.816	O					0.65
31.833	0.00	1.57	0.805	O					0.64
31.917	0.00	1.55	0.795	O					0.64
32.000	0.00	1.53	0.784	O					0.63
32.083	0.00	1.51	0.774	O					0.62
32.167	0.00	1.49	0.763	O					0.61
32.250	0.00	1.47	0.753	O					0.60
32.333	0.00	1.45	0.743	O					0.59
32.417	0.00	1.43	0.733	O					0.59
32.500	0.00	1.41	0.723	O					0.58
32.583	0.00	1.39	0.714	O					0.57
32.667	0.00	1.37	0.704	O					0.56
32.750	0.00	1.36	0.695	O					0.56
32.833	0.00	1.34	0.685	O					0.55
32.917	0.00	1.32	0.676	O					0.54
33.000	0.00	1.30	0.667	O					0.53
33.083	0.00	1.29	0.658	O					0.53
33.167	0.00	1.27	0.650	O					0.52
33.250	0.00	1.25	0.641	O					0.51
33.333	0.00	1.23	0.632	O					0.51
33.417	0.00	1.22	0.624	O					0.50
33.500	0.00	1.20	0.616	O					0.49
33.583	0.00	1.19	0.607	O					0.49
33.667	0.00	1.17	0.599	O					0.48
33.750	0.00	1.15	0.591	O					0.47
33.833	0.00	1.14	0.583	O					0.47
33.917	0.00	1.12	0.576	O					0.46
34.000	0.00	1.11	0.568	O					0.45
34.083	0.00	1.09	0.560	O					0.45
34.167	0.00	1.08	0.553	O					0.44
34.250	0.00	1.06	0.545	O					0.44
34.333	0.00	1.05	0.538	O					0.43
34.417	0.00	1.04	0.531	O					0.42
34.500	0.00	1.02	0.524	O					0.42
34.583	0.00	1.01	0.517	O					0.41
34.667	0.00	1.00	0.510	O					0.41
34.750	0.00	0.98	0.503	O					0.40
34.833	0.00	0.97	0.496	O					0.40

34.917	0.00	0.96	0.490	O					0.39
35.000	0.00	0.94	0.483	O					0.39
35.083	0.00	0.93	0.477	O					0.38
35.167	0.00	0.92	0.470	O					0.38
35.250	0.00	0.91	0.464	O					0.37
35.333	0.00	0.89	0.458	O					0.37
35.417	0.00	0.88	0.452	O					0.36
35.500	0.00	0.87	0.446	O					0.36
35.583	0.00	0.86	0.440	O					0.35
35.667	0.00	0.85	0.434	O					0.35
35.750	0.00	0.84	0.428	O					0.34
35.833	0.00	0.82	0.422	O					0.34
35.917	0.00	0.81	0.417	O					0.33
36.000	0.00	0.80	0.411	O					0.33
36.083	0.00	0.79	0.406	O					0.32
36.167	0.00	0.78	0.400	O					0.32
36.250	0.00	0.77	0.395	O					0.32
36.333	0.00	0.76	0.390	O					0.31
36.417	0.00	0.75	0.385	O					0.31
36.500	0.00	0.74	0.379	O					0.30
36.583	0.00	0.73	0.374	O					0.30
36.667	0.00	0.72	0.369	O					0.30
36.750	0.00	0.71	0.364	O					0.29
36.833	0.00	0.70	0.360	O					0.29
36.917	0.00	0.69	0.355	O					0.28
37.000	0.00	0.68	0.350	O					0.28
37.083	0.00	0.67	0.345	O					0.28
37.167	0.00	0.67	0.341	O					0.27
37.250	0.00	0.66	0.336	O					0.27
37.333	0.00	0.65	0.332	O					0.27
37.417	0.00	0.64	0.327	O					0.26
37.500	0.00	0.63	0.323	O					0.26
37.583	0.00	0.62	0.319	O					0.25
37.667	0.00	0.61	0.314	O					0.25
37.750	0.00	0.61	0.310	O					0.25
37.833	0.00	0.60	0.306	O					0.24
37.917	0.00	0.59	0.302	O					0.24
38.000	0.00	0.58	0.298	O					0.24
38.083	0.00	0.57	0.294	O					0.24
38.167	0.00	0.57	0.290	O					0.23
38.250	0.00	0.56	0.286	O					0.23
38.333	0.00	0.55	0.282	O					0.23
38.417	0.00	0.54	0.278	O					0.22
38.500	0.00	0.54	0.275	O					0.22
38.583	0.00	0.53	0.271	O					0.22
38.667	0.00	0.52	0.267	O					0.21
38.750	0.00	0.52	0.264	O					0.21
38.833	0.00	0.51	0.260	O					0.21
38.917	0.00	0.50	0.257	O					0.21
39.000	0.00	0.49	0.253	O					0.20
39.083	0.00	0.49	0.250	O					0.20
39.167	0.00	0.48	0.247	O					0.20
39.250	0.00	0.48	0.243	O					0.19
39.333	0.00	0.47	0.240	O					0.19
39.417	0.00	0.46	0.237	O					0.19
39.500	0.00	0.46	0.234	O					0.19
39.583	0.00	0.45	0.231	O					0.18
39.667	0.00	0.44	0.228	O					0.18
39.750	0.00	0.44	0.225	O					0.18
39.833	0.00	0.43	0.222	O					0.18
39.917	0.00	0.43	0.219	O					0.17
40.000	0.00	0.42	0.216	O					0.17
40.083	0.00	0.42	0.213	O					0.17
40.167	0.00	0.41	0.210	O					0.17
40.250	0.00	0.40	0.207	O					0.17
40.333	0.00	0.40	0.204	O					0.16
40.417	0.00	0.39	0.202	O					0.16
40.500	0.00	0.39	0.199	O					0.16
40.583	0.00	0.38	0.196	O					0.16

40.667	0.00	0.38	0.194	O	|	|	|	|	0.15
40.750	0.00	0.37	0.191	O	|	|	|	|	0.15
40.833	0.00	0.37	0.189	O	|	|	|	|	0.15
40.917	0.00	0.36	0.186	O	|	|	|	|	0.15
41.000	0.00	0.36	0.184	O	|	|	|	|	0.15
41.083	0.00	0.35	0.181	O	|	|	|	|	0.14
41.167	0.00	0.35	0.179	O	|	|	|	|	0.14
41.250	0.00	0.34	0.176	O	|	|	|	|	0.14
41.333	0.00	0.34	0.174	O	|	|	|	|	0.14
41.417	0.00	0.34	0.172	O	|	|	|	|	0.14
41.500	0.00	0.33	0.169	O	|	|	|	|	0.14
41.583	0.00	0.33	0.167	O	|	|	|	|	0.13
41.667	0.00	0.32	0.165	O	|	|	|	|	0.13
41.750	0.00	0.32	0.163	O	|	|	|	|	0.13
41.833	0.00	0.31	0.160	O	|	|	|	|	0.13
41.917	0.00	0.31	0.158	O	|	|	|	|	0.13
42.000	0.00	0.30	0.156	O	|	|	|	|	0.12
42.083	0.00	0.30	0.154	O	|	|	|	|	0.12
42.167	0.00	0.30	0.152	O	|	|	|	|	0.12
42.250	0.00	0.29	0.150	O	|	|	|	|	0.12
42.333	0.00	0.29	0.148	O	|	|	|	|	0.12
42.417	0.00	0.29	0.146	O	|	|	|	|	0.12
42.500	0.00	0.28	0.144	O	|	|	|	|	0.12
42.583	0.00	0.28	0.142	O	|	|	|	|	0.11
42.667	0.00	0.27	0.140	O	|	|	|	|	0.11
42.750	0.00	0.27	0.138	O	|	|	|	|	0.11
42.833	0.00	0.27	0.137	O	|	|	|	|	0.11
42.917	0.00	0.26	0.135	O	|	|	|	|	0.11
43.000	0.00	0.26	0.133	O	|	|	|	|	0.11
43.083	0.00	0.26	0.131	O	|	|	|	|	0.10
43.167	0.00	0.25	0.129	O	|	|	|	|	0.10
43.250	0.00	0.25	0.128	O	|	|	|	|	0.10
43.333	0.00	0.25	0.126	O	|	|	|	|	0.10
43.417	0.00	0.24	0.124	O	|	|	|	|	0.10
43.500	0.00	0.24	0.123	O	|	|	|	|	0.10
43.583	0.00	0.24	0.121	O	|	|	|	|	0.10
43.667	0.00	0.23	0.119	O	|	|	|	|	0.10
43.750	0.00	0.23	0.118	O	|	|	|	|	0.09
43.833	0.00	0.23	0.116	O	|	|	|	|	0.09
43.917	0.00	0.22	0.115	O	|	|	|	|	0.09
44.000	0.00	0.22	0.113	O	|	|	|	|	0.09
44.083	0.00	0.22	0.112	O	|	|	|	|	0.09
44.167	0.00	0.21	0.110	O	|	|	|	|	0.09
44.250	0.00	0.21	0.109	O	|	|	|	|	0.09
44.333	0.00	0.21	0.107	O	|	|	|	|	0.09
44.417	0.00	0.21	0.106	O	|	|	|	|	0.08
44.500	0.00	0.20	0.104	O	|	|	|	|	0.08
44.583	0.00	0.20	0.103	O	|	|	|	|	0.08
44.667	0.00	0.20	0.102	O	|	|	|	|	0.08
44.750	0.00	0.20	0.100	O	|	|	|	|	0.08
44.833	0.00	0.19	0.099	O	|	|	|	|	0.08
44.917	0.00	0.19	0.098	O	|	|	|	|	0.08
45.000	0.00	0.19	0.096	O	|	|	|	|	0.08
45.083	0.00	0.19	0.095	O	|	|	|	|	0.08
45.167	0.00	0.18	0.094	O	|	|	|	|	0.07
45.250	0.00	0.18	0.092	O	|	|	|	|	0.07
45.333	0.00	0.18	0.091	O	|	|	|	|	0.07
45.417	0.00	0.18	0.090	O	|	|	|	|	0.07
45.500	0.00	0.17	0.089	O	|	|	|	|	0.07
45.583	0.00	0.17	0.088	O	|	|	|	|	0.07
45.667	0.00	0.17	0.086	O	|	|	|	|	0.07
45.750	0.00	0.17	0.085	O	|	|	|	|	0.07
45.833	0.00	0.16	0.084	O	|	|	|	|	0.07
45.917	0.00	0.16	0.083	O	|	|	|	|	0.07
46.000	0.00	0.16	0.082	O	|	|	|	|	0.07
46.083	0.00	0.16	0.081	O	|	|	|	|	0.06
46.167	0.00	0.16	0.080	O	|	|	|	|	0.06
46.250	0.00	0.15	0.079	O	|	|	|	|	0.06
46.333	0.00	0.15	0.078	O	|	|	|	|	0.06

46.417	0.00	0.15	0.077	O					0.06
46.500	0.00	0.15	0.076	O					0.06
46.583	0.00	0.15	0.075	O					0.06
46.667	0.00	0.14	0.074	O					0.06
46.750	0.00	0.14	0.073	O					0.06
46.833	0.00	0.14	0.072	O					0.06
46.917	0.00	0.14	0.071	O					0.06
47.000	0.00	0.14	0.070	O					0.06
47.083	0.00	0.13	0.069	O					0.06
47.167	0.00	0.13	0.068	O					0.05
47.250	0.00	0.13	0.067	O					0.05
47.333	0.00	0.13	0.066	O					0.05
47.417	0.00	0.13	0.065	O					0.05
47.500	0.00	0.13	0.064	O					0.05
47.583	0.00	0.12	0.063	O					0.05
47.667	0.00	0.12	0.063	O					0.05
47.750	0.00	0.12	0.062	O					0.05
47.833	0.00	0.12	0.061	O					0.05
47.917	0.00	0.12	0.060	O					0.05
48.000	0.00	0.12	0.059	O					0.05
48.083	0.00	0.11	0.059	O					0.05
48.167	0.00	0.11	0.058	O					0.05
48.250	0.00	0.11	0.057	O					0.05
48.333	0.00	0.11	0.056	O					0.04
48.417	0.00	0.11	0.055	O					0.04
48.500	0.00	0.11	0.055	O					0.04
48.583	0.00	0.11	0.054	O					0.04
48.667	0.00	0.10	0.053	O					0.04
48.750	0.00	0.10	0.053	O					0.04
48.833	0.00	0.10	0.052	O					0.04
48.917	0.00	0.10	0.051	O					0.04
49.000	0.00	0.10	0.050	O					0.04
49.083	0.00	0.10	0.050	O					0.04
49.167	0.00	0.10	0.049	O					0.04
49.250	0.00	0.09	0.049	O					0.04
49.333	0.00	0.09	0.048	O					0.04
49.417	0.00	0.09	0.047	O					0.04
49.500	0.00	0.09	0.047	O					0.04
49.583	0.00	0.09	0.046	O					0.04
49.667	0.00	0.09	0.045	O					0.04
49.750	0.00	0.09	0.045	O					0.04
49.833	0.00	0.09	0.044	O					0.04
49.917	0.00	0.09	0.044	O					0.03
50.000	0.00	0.08	0.043	O					0.03
50.083	0.00	0.08	0.042	O					0.03
50.167	0.00	0.08	0.042	O					0.03
50.250	0.00	0.08	0.041	O					0.03
50.333	0.00	0.08	0.041	O					0.03
50.417	0.00	0.08	0.040	O					0.03
50.500	0.00	0.08	0.040	O					0.03
50.583	0.00	0.08	0.039	O					0.03
50.667	0.00	0.08	0.039	O					0.03
50.750	0.00	0.07	0.038	O					0.03
50.833	0.00	0.07	0.038	O					0.03
50.917	0.00	0.07	0.037	O					0.03
51.000	0.00	0.07	0.037	O					0.03
51.083	0.00	0.07	0.036	O					0.03
51.167	0.00	0.07	0.036	O					0.03
51.250	0.00	0.07	0.035	O					0.03
51.333	0.00	0.07	0.035	O					0.03
51.417	0.00	0.07	0.034	O					0.03
51.500	0.00	0.07	0.034	O					0.03
51.583	0.00	0.06	0.033	O					0.03
51.667	0.00	0.06	0.033	O					0.03
51.750	0.00	0.06	0.032	O					0.03
51.833	0.00	0.06	0.032	O					0.03
51.917	0.00	0.06	0.032	O					0.03
52.000	0.00	0.06	0.031	O					0.02
52.083	0.00	0.06	0.031	O					0.02

52.167	0.00	0.06	0.030	O					0.02
52.250	0.00	0.06	0.030	O					0.02
52.333	0.00	0.06	0.029	O					0.02
52.417	0.00	0.06	0.029	O					0.02
52.500	0.00	0.06	0.029	O					0.02
52.583	0.00	0.06	0.028	O					0.02
52.667	0.00	0.05	0.028	O					0.02
52.750	0.00	0.05	0.028	O					0.02
52.833	0.00	0.05	0.027	O					0.02
52.917	0.00	0.05	0.027	O					0.02
53.000	0.00	0.05	0.026	O					0.02
53.083	0.00	0.05	0.026	O					0.02
53.167	0.00	0.05	0.026	O					0.02
53.250	0.00	0.05	0.025	O					0.02
53.333	0.00	0.05	0.025	O					0.02
53.417	0.00	0.05	0.025	O					0.02
53.500	0.00	0.05	0.024	O					0.02
53.583	0.00	0.05	0.024	O					0.02
53.667	0.00	0.05	0.024	O					0.02
53.750	0.00	0.05	0.023	O					0.02
53.833	0.00	0.05	0.023	O					0.02
53.917	0.00	0.04	0.023	O					0.02
54.000	0.00	0.04	0.023	O					0.02
54.083	0.00	0.04	0.022	O					0.02
54.167	0.00	0.04	0.022	O					0.02
54.250	0.00	0.04	0.022	O					0.02
54.333	0.00	0.04	0.021	O					0.02
54.417	0.00	0.04	0.021	O					0.02
54.500	0.00	0.04	0.021	O					0.02
54.583	0.00	0.04	0.021	O					0.02
54.667	0.00	0.04	0.020	O					0.02
54.750	0.00	0.04	0.020	O					0.02
54.833	0.00	0.04	0.020	O					0.02
54.917	0.00	0.04	0.019	O					0.02
55.000	0.00	0.04	0.019	O					0.02
55.083	0.00	0.04	0.019	O					0.02
55.167	0.00	0.04	0.019	O					0.01
55.250	0.00	0.04	0.018	O					0.01
55.333	0.00	0.04	0.018	O					0.01
55.417	0.00	0.04	0.018	O					0.01
55.500	0.00	0.03	0.018	O					0.01
55.583	0.00	0.03	0.017	O					0.01
55.667	0.00	0.03	0.017	O					0.01
55.750	0.00	0.03	0.017	O					0.01
55.833	0.00	0.03	0.017	O					0.01
55.917	0.00	0.03	0.017	O					0.01
56.000	0.00	0.03	0.016	O					0.01
56.083	0.00	0.03	0.016	O					0.01
56.167	0.00	0.03	0.016	O					0.01
56.250	0.00	0.03	0.016	O					0.01
56.333	0.00	0.03	0.015	O					0.01
56.417	0.00	0.03	0.015	O					0.01
56.500	0.00	0.03	0.015	O					0.01
56.583	0.00	0.03	0.015	O					0.01
56.667	0.00	0.03	0.015	O					0.01
56.750	0.00	0.03	0.014	O					0.01
56.833	0.00	0.03	0.014	O					0.01
56.917	0.00	0.03	0.014	O					0.01
57.000	0.00	0.03	0.014	O					0.01
57.083	0.00	0.03	0.014	O					0.01
57.167	0.00	0.03	0.014	O					0.01
57.250	0.00	0.03	0.013	O					0.01
57.333	0.00	0.03	0.013	O					0.01
57.417	0.00	0.03	0.013	O					0.01
57.500	0.00	0.03	0.013	O					0.01
57.583	0.00	0.02	0.013	O					0.01
57.667	0.00	0.02	0.012	O					0.01
57.750	0.00	0.02	0.012	O					0.01
57.833	0.00	0.02	0.012	O					0.01

57.917	0.00	0.02	0.012	O					0.01
58.000	0.00	0.02	0.012	O					0.01
58.083	0.00	0.02	0.012	O					0.01
58.167	0.00	0.02	0.012	O					0.01
58.250	0.00	0.02	0.011	O					0.01
58.333	0.00	0.02	0.011	O					0.01
58.417	0.00	0.02	0.011	O					0.01
58.500	0.00	0.02	0.011	O					0.01
58.583	0.00	0.02	0.011	O					0.01
58.667	0.00	0.02	0.011	O					0.01
58.750	0.00	0.02	0.010	O					0.01
58.833	0.00	0.02	0.010	O					0.01
58.917	0.00	0.02	0.010	O					0.01
59.000	0.00	0.02	0.010	O					0.01
59.083	0.00	0.02	0.010	O					0.01
59.167	0.00	0.02	0.010	O					0.01
59.250	0.00	0.02	0.010	O					0.01
59.333	0.00	0.02	0.010	O					0.01
59.417	0.00	0.02	0.009	O					0.01
59.500	0.00	0.02	0.009	O					0.01
59.583	0.00	0.02	0.009	O					0.01
59.667	0.00	0.02	0.009	O					0.01
59.750	0.00	0.02	0.009	O					0.01
59.833	0.00	0.02	0.009	O					0.01
59.917	0.00	0.02	0.009	O					0.01
60.000	0.00	0.02	0.009	O					0.01
60.083	0.00	0.02	0.008	O					0.01
60.167	0.00	0.02	0.008	O					0.01
60.250	0.00	0.02	0.008	O					0.01
60.333	0.00	0.02	0.008	O					0.01
60.417	0.00	0.02	0.008	O					0.01
60.500	0.00	0.02	0.008	O					0.01
60.583	0.00	0.02	0.008	O					0.01
60.667	0.00	0.02	0.008	O					0.01
60.750	0.00	0.01	0.008	O					0.01
60.833	0.00	0.01	0.007	O					0.01
60.917	0.00	0.01	0.007	O					0.01
61.000	0.00	0.01	0.007	O					0.01
61.083	0.00	0.01	0.007	O					0.01
61.167	0.00	0.01	0.007	O					0.01
61.250	0.00	0.01	0.007	O					0.01
61.333	0.00	0.01	0.007	O					0.01
61.417	0.00	0.01	0.007	O					0.01
61.500	0.00	0.01	0.007	O					0.01
61.583	0.00	0.01	0.007	O					0.01
61.667	0.00	0.01	0.007	O					0.01
61.750	0.00	0.01	0.006	O					0.01
61.833	0.00	0.01	0.006	O					0.01
61.917	0.00	0.01	0.006	O					0.01
62.000	0.00	0.01	0.006	O					0.00
62.083	0.00	0.01	0.006	O					0.00
62.167	0.00	0.01	0.006	O					0.00
62.250	0.00	0.01	0.006	O					0.00
62.333	0.00	0.01	0.006	O					0.00
62.417	0.00	0.01	0.006	O					0.00
62.500	0.00	0.01	0.006	O					0.00
62.583	0.00	0.01	0.006	O					0.00
62.667	0.00	0.01	0.006	O					0.00
62.750	0.00	0.01	0.005	O					0.00
62.833	0.00	0.01	0.005	O					0.00
62.917	0.00	0.01	0.005	O					0.00
63.000	0.00	0.01	0.005	O					0.00
63.083	0.00	0.01	0.005	O					0.00
63.167	0.00	0.01	0.005	O					0.00
63.250	0.00	0.01	0.005	O					0.00
63.333	0.00	0.01	0.005	O					0.00
63.417	0.00	0.01	0.005	O					0.00
63.500	0.00	0.01	0.005	O					0.00
63.583	0.00	0.01	0.005	O					0.00

63.667	0.00	0.01	0.005	O					0.00
63.750	0.00	0.01	0.005	O					0.00
63.833	0.00	0.01	0.005	O					0.00
63.917	0.00	0.01	0.005	O					0.00
64.000	0.00	0.01	0.004	O					0.00
64.083	0.00	0.01	0.004	O					0.00
64.167	0.00	0.01	0.004	O					0.00
64.250	0.00	0.01	0.004	O					0.00
64.333	0.00	0.01	0.004	O					0.00
64.417	0.00	0.01	0.004	O					0.00
64.500	0.00	0.01	0.004	O					0.00
64.583	0.00	0.01	0.004	O					0.00
64.667	0.00	0.01	0.004	O					0.00
64.750	0.00	0.01	0.004	O					0.00
64.833	0.00	0.01	0.004	O					0.00
64.917	0.00	0.01	0.004	O					0.00
65.000	0.00	0.01	0.004	O					0.00
65.083	0.00	0.01	0.004	O					0.00
65.167	0.00	0.01	0.004	O					0.00
65.250	0.00	0.01	0.004	O					0.00
65.333	0.00	0.01	0.004	O					0.00
65.417	0.00	0.01	0.004	O					0.00
65.500	0.00	0.01	0.004	O					0.00
65.583	0.00	0.01	0.003	O					0.00
65.667	0.00	0.01	0.003	O					0.00
65.750	0.00	0.01	0.003	O					0.00
65.833	0.00	0.01	0.003	O					0.00
65.917	0.00	0.01	0.003	O					0.00
66.000	0.00	0.01	0.003	O					0.00
66.083	0.00	0.01	0.003	O					0.00
66.167	0.00	0.01	0.003	O					0.00
66.250	0.00	0.01	0.003	O					0.00
66.333	0.00	0.01	0.003	O					0.00
66.417	0.00	0.01	0.003	O					0.00
66.500	0.00	0.01	0.003	O					0.00
66.583	0.00	0.01	0.003	O					0.00
66.667	0.00	0.01	0.003	O					0.00
66.750	0.00	0.01	0.003	O					0.00
66.833	0.00	0.01	0.003	O					0.00
66.917	0.00	0.01	0.003	O					0.00
67.000	0.00	0.01	0.003	O					0.00
67.083	0.00	0.01	0.003	O					0.00
67.167	0.00	0.01	0.003	O					0.00
67.250	0.00	0.01	0.003	O					0.00
67.333	0.00	0.01	0.003	O					0.00
67.417	0.00	0.01	0.003	O					0.00
67.500	0.00	0.00	0.003	O					0.00
67.583	0.00	0.00	0.003	O					0.00
67.667	0.00	0.00	0.002	O					0.00
67.750	0.00	0.00	0.002	O					0.00
67.833	0.00	0.00	0.002	O					0.00
67.917	0.00	0.00	0.002	O					0.00
68.000	0.00	0.00	0.002	O					0.00
68.083	0.00	0.00	0.002	O					0.00
68.167	0.00	0.00	0.002	O					0.00
68.250	0.00	0.00	0.002	O					0.00
68.333	0.00	0.00	0.002	O					0.00
68.417	0.00	0.00	0.002	O					0.00
68.500	0.00	0.00	0.002	O					0.00
68.583	0.00	0.00	0.002	O					0.00
68.667	0.00	0.00	0.002	O					0.00
68.750	0.00	0.00	0.002	O					0.00
68.833	0.00	0.00	0.002	O					0.00
68.917	0.00	0.00	0.002	O					0.00
69.000	0.00	0.00	0.002	O					0.00
69.083	0.00	0.00	0.002	O					0.00
69.167	0.00	0.00	0.002	O					0.00
69.250	0.00	0.00	0.002	O					0.00
69.333	0.00	0.00	0.002	O					0.00

69.417	0.00	0.00	0.002	O	|	|	|	|	0.00
69.500	0.00	0.00	0.002	O	|	|	|	|	0.00
69.583	0.00	0.00	0.002	O	|	|	|	|	0.00
69.667	0.00	0.00	0.002	O	|	|	|	|	0.00
69.750	0.00	0.00	0.002	O	|	|	|	|	0.00
69.833	0.00	0.00	0.002	O	|	|	|	|	0.00
69.917	0.00	0.00	0.002	O	|	|	|	|	0.00
70.000	0.00	0.00	0.002	O	|	|	|	|	0.00
70.083	0.00	0.00	0.002	O	|	|	|	|	0.00
70.167	0.00	0.00	0.002	O	|	|	|	|	0.00
70.250	0.00	0.00	0.002	O	|	|	|	|	0.00
70.333	0.00	0.00	0.002	O	|	|	|	|	0.00
70.417	0.00	0.00	0.002	O	|	|	|	|	0.00
70.500	0.00	0.00	0.002	O	|	|	|	|	0.00
70.583	0.00	0.00	0.002	O	|	|	|	|	0.00
70.667	0.00	0.00	0.002	O	|	|	|	|	0.00
70.750	0.00	0.00	0.002	O	|	|	|	|	0.00
70.833	0.00	0.00	0.001	O	|	|	|	|	0.00
70.917	0.00	0.00	0.001	O	|	|	|	|	0.00
71.000	0.00	0.00	0.001	O	|	|	|	|	0.00
71.083	0.00	0.00	0.001	O	|	|	|	|	0.00
71.167	0.00	0.00	0.001	O	|	|	|	|	0.00
71.250	0.00	0.00	0.001	O	|	|	|	|	0.00
71.333	0.00	0.00	0.001	O	|	|	|	|	0.00
71.417	0.00	0.00	0.001	O	|	|	|	|	0.00
71.500	0.00	0.00	0.001	O	|	|	|	|	0.00
71.583	0.00	0.00	0.001	O	|	|	|	|	0.00
71.667	0.00	0.00	0.001	O	|	|	|	|	0.00
71.750	0.00	0.00	0.001	O	|	|	|	|	0.00
71.833	0.00	0.00	0.001	O	|	|	|	|	0.00
71.917	0.00	0.00	0.001	O	|	|	|	|	0.00
72.000	0.00	0.00	0.001	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 864
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 83.742 (CFS)
Total volume = 16.704 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/28/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: BASINJ24100.rte

**********HYDROGRAPH DATA**********

Number of intervals = 90
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 115.060 (CFS)
Total volume = 28.100 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN J- ROUTING, BASED ON MANUAL UH WITH REDUCED PEAK BY 70CFS DUE TO FLOWBY 70CFS DOWNSREAM
100YR-24HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 90
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.250	2.440	1.242	1.258
2.000	2.600	3.620	2.588	2.612
4.000	5.600	5.240	5.582	5.618
6.000	9.000	6.460	8.978	9.022
8.000	12.840	11.460	12.801	12.879
9.000	14.930	92.740	14.611	15.249
10.000	17.130	240.050	16.303	17.957

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 28.8 57.53 86.30 115.06	Depth (Ft.)
0.083	0.86	0.01	0.003	O | | | |	0.00
0.167	2.14	0.03	0.013	O | | | |	0.01
0.250	3.68	0.06	0.033	OI | | | |	0.03

0.333	6.87	0.13	0.069	OI	|	|	|	|	0.05
0.417	8.17	0.23	0.119	O I	|	|	|	|	0.10
0.500	10.81	0.36	0.182	O I	|	|	|	|	0.15
0.583	16.90	0.54	0.275	O I	|	|	|	|	0.22
0.667	19.30	0.77	0.395	O I	|	|	|	|	0.32
0.750	21.41	1.03	0.529	O I	|	|	|	|	0.42
0.833	24.93	1.33	0.680	O I	|	|	|	|	0.54
0.917	26.47	1.65	0.847	O I	|	|	|	|	0.68
1.000	28.24	2.00	1.023	O I	|	|	|	|	0.82
1.083	31.57	2.37	1.214	O I	|	|	|	|	0.97
1.167	33.01	2.59	1.419	O I	|	|	|	|	1.13
1.250	34.66	2.78	1.634	O I	|	|	|	|	1.28
1.333	37.66	2.98	1.863	O I	|	|	|	|	1.45
1.417	37.92	3.18	2.102	O I	|	|	|	|	1.63
1.500	39.29	3.40	2.345	O I	|	|	|	|	1.81
1.583	33.06	3.59	2.570	O I	|	|	|	|	1.98
1.667	13.72	3.68	2.706	|O I	|	|	|	|	2.07
1.750	6.85	3.70	2.752	|O	|	|	|	|	2.10
1.833	3.89	3.71	2.763	|O	|	|	|	|	2.11
1.917	2.23	3.71	2.759	IO	|	|	|	|	2.11
2.000	5.46	3.71	2.760	|O	|	|	|	|	2.11
2.083	19.18	3.74	2.819	|O I	|	|	|	|	2.15
2.167	23.93	3.80	2.941	|O I	|	|	|	|	2.23
2.250	26.29	3.88	3.088	|O I	|	|	|	|	2.33
2.333	27.70	3.97	3.247	|O I	|	|	|	|	2.43
2.417	28.63	4.06	3.413	|O I	|	|	|	|	2.54
2.500	28.31	4.15	3.581	|O I	|	|	|	|	2.65
2.583	25.94	4.23	3.739	|O I	|	|	|	|	2.76
2.667	25.36	4.31	3.886	|O I	|	|	|	|	2.86
2.750	25.00	4.39	4.029	|O I	|	|	|	|	2.95
2.833	24.84	4.47	4.171	|O I	|	|	|	|	3.05
2.917	24.76	4.54	4.310	|O I	|	|	|	|	3.14
3.000	22.78	4.61	4.442	|O I	|	|	|	|	3.23
3.083	28.15	4.69	4.586	|O I	|	|	|	|	3.32
3.167	15.11	4.76	4.702	|O I	|	|	|	|	3.40
3.250	15.28	4.79	4.774	|O I	|	|	|	|	3.45
3.333	17.68	4.84	4.854	|O I	|	|	|	|	3.50
3.417	18.47	4.89	4.945	|O I	|	|	|	|	3.56
3.500	25.68	4.95	5.063	|O I	|	|	|	|	3.64
3.583	45.67	5.06	5.275	|O I	|	|	|	|	3.78
3.667	52.99	5.23	5.579	|O I	|	|	|	|	3.99
3.750	57.35	5.36	5.923	|O I	|	|	|	|	4.19
3.833	62.17	5.49	6.297	|O I	|	|	|	|	4.41
3.917	64.53	5.63	6.695	|O I	|	|	|	|	4.64
4.000	67.84	5.78	7.111	|O I	|	|	|	|	4.89
4.083	74.34	5.94	7.560	|O I	|	|	|	|	5.15
4.167	77.15	6.12	8.041	|O I	|	|	|	|	5.44
4.250	79.24	6.29	8.536	|O I	|	|	|	|	5.73
4.333	82.75	6.53	9.050	|O I	|	|	|	|	6.03
4.417	84.28	7.21	9.578	| O I	|	|	|	|	6.30
4.500	89.97	7.93	10.126	| O I	|	|	|	|	6.59
4.583	104.59	8.72	10.738	| O I	|	|	|	|	6.91
4.667	110.13	9.60	11.415	| O I	|	|	|	|	7.26
4.750	112.60	10.51	12.112	| O I	|	|	|	|	7.62
4.833	114.06	11.43	12.817	| O I	|	|	|	|	7.99
4.917	115.06	35.04	13.446	| |O I	|	|	|	|	8.29
5.000	104.88	52.74	13.901	| | O I	|	|	|	|	8.51
5.083	74.24	61.44	14.125	| | |O I	|	|	|	|	8.61
5.167	**63.36**	**63.18**	**14.170**	**| | |O I**	**|**	**|**	**|**	**|**	**8.64**
5.250	58.46	62.64	14.156	| | IO I	|	|	|	|	8.63
5.333	55.67	61.32	14.122	| | I|O I	|	|	|	|	8.61
5.417	59.91	60.49	14.101	| | O I	|	|	|	|	8.60
5.500	56.69	59.97	14.087	| | IO I	|	|	|	|	8.60
5.583	67.28	60.45	14.100	| | O I I	|	|	|	|	8.60
5.667	70.70	62.47	14.152	| | |O I I	|	|	|	|	8.63
5.750	71.61	64.52	14.204	| | |O I I	|	|	|	|	8.65
5.833	69.92	65.99	14.242	| | | OI I	|	|	|	|	8.67
5.917	69.64	66.89	14.265	| | | OI I	|	|	|	|	8.68

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 6.000   69.72   67.55     14.282  |       |       | OI    |       |     8.69
 6.083   69.83   68.07     14.296  |       |       | OI    |       |     8.70
 6.167   70.02   68.51     14.307  |       |       |  O    |       |     8.70
 6.250   69.00   68.75     14.313  |       |       |  O    |       |     8.70
 6.333   66.19   68.47     14.306  |       |       | IO    |       |     8.70
 6.417   65.17   67.81     14.289  |       |       | O     |       |     8.69
 6.500   63.81   67.03     14.269  |       |       |IO     |       |     8.68
 6.583   60.80   65.91     14.240  |       |       I O     |       |     8.67
 6.667   59.68   64.57     14.206  |       |       IO      |       |     8.65
 6.750   58.21   63.24     14.172  |       |       IO      |       |     8.64
 6.833   55.13   61.69     14.132  |       |      I|O      |       |     8.62
 6.917   53.94   60.00     14.088  |       |      IO       |       |     8.60
 7.000   49.51   58.05     14.038  |       |    I  O       |       |     8.57
 7.083   37.95   54.66     13.951  |       | I    O|       |       |     8.53
 7.167   33.67   50.21     13.836  |       |I   O  |       |       |     8.48
 7.250   31.82   46.09     13.730  |       I   O   |       |       |     8.43
 7.333   30.77   42.59     13.641  |       I  O    |       |       |     8.38
 7.417   30.11   39.72     13.567  |       I  O    |       |       |     8.35
 7.500   15.56   35.73     13.464  |   I   |O      |       |       |     8.30
 7.583    0.00   29.13     13.294  I       O       |       |       |     8.22
 7.667    0.00   22.25     13.117  I     O |       |       |       |     8.13
 7.750    0.00   16.99     12.982  I   O   |       |       |       |     8.07
 7.833    0.00   12.98     12.879  I  O    |       |       |       |     8.02
 7.917    0.00   11.40     12.795  I  O    |       |       |       |     7.98
 8.000    0.00   11.30     12.717  I  O    |       |       |       |     7.94
 8.083    0.00   11.20     12.639  I  O    |       |       |       |     7.90
 8.167    0.00   11.10     12.563  I  O    |       |       |       |     7.86
 8.250    0.00   11.00     12.487  I  O    |       |       |       |     7.82
 8.333    0.00   10.90     12.411  I  O    |       |       |       |     7.78
 8.417    0.00   10.80     12.336  I  O    |       |       |       |     7.74
 8.500    0.00   10.71     12.262  I O     |       |       |       |     7.70
 8.583    0.00   10.61     12.189  I O     |       |       |       |     7.66
 8.667    0.00   10.52     12.116  I O     |       |       |       |     7.62
 8.750    0.00   10.42     12.044  I O     |       |       |       |     7.59
 8.833    0.00   10.33     11.973  I O     |       |       |       |     7.55
 8.917    0.00   10.24     11.902  I O     |       |       |       |     7.51
 9.000    0.00   10.15     11.832  I O     |       |       |       |     7.47
 9.083    0.00   10.06     11.762  I O     |       |       |       |     7.44
 9.167    0.00    9.97     11.693  I O     |       |       |       |     7.40
 9.250    0.00    9.88     11.625  I O     |       |       |       |     7.37
 9.333    0.00    9.79     11.557  I O     |       |       |       |     7.33
 9.417    0.00    9.70     11.490  I O     |       |       |       |     7.30
 9.500    0.00    9.62     11.423  I O     |       |       |       |     7.26
 9.583    0.00    9.53     11.357  I O     |       |       |       |     7.23
 9.667    0.00    9.44     11.292  I O     |       |       |       |     7.19
 9.750    0.00    9.36     11.227  I O     |       |       |       |     7.16
 9.833    0.00    9.28     11.163  I O     |       |       |       |     7.13
 9.917    0.00    9.19     11.100  I O     |       |       |       |     7.09
10.000    0.00    9.11     11.037  I O     |       |       |       |     7.06
10.083    0.00    9.03     10.974  I O     |       |       |       |     7.03
10.167    0.00    8.95     10.912  I O     |       |       |       |     7.00
10.250    0.00    8.87     10.851  I O     |       |       |       |     6.96
10.333    0.00    8.79     10.790  I O     |       |       |       |     6.93
10.417    0.00    8.71     10.730  I O     |       |       |       |     6.90
10.500    0.00    8.63     10.670  I O     |       |       |       |     6.87
10.583    0.00    8.56     10.611  I O     |       |       |       |     6.84
10.667    0.00    8.48     10.552  I O     |       |       |       |     6.81
10.750    0.00    8.41     10.494  I O     |       |       |       |     6.78
10.833    0.00    8.33     10.436  I O     |       |       |       |     6.75
10.917    0.00    8.26     10.379  I O     |       |       |       |     6.72
11.000    0.00    8.18     10.323  I O     |       |       |       |     6.69
11.083    0.00    8.11     10.266  I O     |       |       |       |     6.66
11.167    0.00    8.04     10.211  I O     |       |       |       |     6.63
11.250    0.00    7.96     10.156  I O     |       |       |       |     6.60
11.333    0.00    7.89     10.101  I O     |       |       |       |     6.57
11.417    0.00    7.82     10.047  I O     |       |       |       |     6.55
11.500    0.00    7.75      9.993  I O     |       |       |       |     6.52
11.583    0.00    7.68      9.940  I O     |       |       |       |     6.49
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11.667	0.00	7.62	9.888	I O	|	|	|	6.46
11.750	0.00	7.55	9.835	I O	|	|	|	6.44
11.833	0.00	7.48	9.784	I O	|	|	|	6.41
11.917	0.00	7.41	9.732	I O	|	|	|	6.38
12.000	0.00	7.35	9.681	I O	|	|	|	6.35
12.083	0.00	7.28	9.631	I O	|	|	|	6.33
12.167	0.00	7.22	9.581	I O	|	|	|	6.30
12.250	0.00	7.15	9.532	IO	|	|	|	6.28
12.333	0.00	7.09	9.483	IO	|	|	|	6.25
12.417	0.00	7.03	9.434	IO	|	|	|	6.23
12.500	0.00	6.96	9.386	IO	|	|	|	6.20
12.583	0.00	6.90	9.338	IO	|	|	|	6.18
12.667	0.00	6.84	9.291	IO	|	|	|	6.15
12.750	0.00	6.78	9.244	IO	|	|	|	6.13
12.833	0.00	6.72	9.197	IO	|	|	|	6.10
12.917	0.00	6.66	9.151	IO	|	|	|	6.08
13.000	0.00	6.60	9.106	IO	|	|	|	6.06
13.083	0.00	6.54	9.061	IO	|	|	|	6.03
13.167	0.00	6.48	9.016	IO	|	|	|	6.01
13.250	0.00	6.45	8.971	IO	|	|	|	5.98
13.333	0.00	6.43	8.927	IO	|	|	|	5.96
13.417	0.00	6.42	8.883	IO	|	|	|	5.93
13.500	0.00	6.40	8.838	IO	|	|	|	5.90
13.583	0.00	6.39	8.794	IO	|	|	|	5.88
13.667	0.00	6.37	8.750	IO	|	|	|	5.85
13.750	0.00	6.35	8.707	IO	|	|	|	5.83
13.833	0.00	6.34	8.663	IO	|	|	|	5.80
13.917	0.00	6.32	8.619	IO	|	|	|	5.78
14.000	0.00	6.31	8.576	IO	|	|	|	5.75
14.083	0.00	6.29	8.532	IO	|	|	|	5.72
14.167	0.00	6.28	8.489	IO	|	|	|	5.70
14.250	0.00	6.26	8.446	IO	|	|	|	5.67
14.333	0.00	6.25	8.403	IO	|	|	|	5.65
14.417	0.00	6.23	8.360	IO	|	|	|	5.62
14.500	0.00	6.21	8.317	IO	|	|	|	5.60
14.583	0.00	6.20	8.274	IO	|	|	|	5.57
14.667	0.00	6.18	8.232	IO	|	|	|	5.55
14.750	0.00	6.17	8.189	IO	|	|	|	5.52
14.833	0.00	6.15	8.147	IO	|	|	|	5.50
14.917	0.00	6.14	8.104	IO	|	|	|	5.47
15.000	0.00	6.12	8.062	IO	|	|	|	5.45
15.083	0.00	6.11	8.020	IO	|	|	|	5.42
15.167	0.00	6.09	7.978	IO	|	|	|	5.40
15.250	0.00	6.08	7.936	IO	|	|	|	5.37
15.333	0.00	6.06	7.894	IO	|	|	|	5.35
15.417	0.00	6.05	7.853	IO	|	|	|	5.33
15.500	0.00	6.03	7.811	IO	|	|	|	5.30
15.583	0.00	6.02	7.770	IO	|	|	|	5.28
15.667	0.00	6.00	7.728	IO	|	|	|	5.25
15.750	0.00	5.99	7.687	IO	|	|	|	5.23
15.833	0.00	5.97	7.646	IO	|	|	|	5.20
15.917	0.00	5.96	7.605	IO	|	|	|	5.18
16.000	0.00	5.94	7.564	IO	|	|	|	5.16
16.083	0.00	5.93	7.523	IO	|	|	|	5.13
16.167	0.00	5.92	7.482	IO	|	|	|	5.11
16.250	0.00	5.90	7.441	IO	|	|	|	5.08
16.333	0.00	5.89	7.401	IO	|	|	|	5.06
16.417	0.00	5.87	7.360	IO	|	|	|	5.04
16.500	0.00	5.86	7.320	IO	|	|	|	5.01
16.583	0.00	5.84	7.279	IO	|	|	|	4.99
16.667	0.00	5.83	7.239	IO	|	|	|	4.96
16.750	0.00	5.81	7.199	IO	|	|	|	4.94
16.833	0.00	5.80	7.159	IO	|	|	|	4.92
16.917	0.00	5.79	7.119	IO	|	|	|	4.89
17.000	0.00	5.77	7.079	IO	|	|	|	4.87
17.083	0.00	5.76	7.040	IO	|	|	|	4.85
17.167	0.00	5.74	7.000	IO	|	|	|	4.82
17.250	0.00	5.73	6.961	IO	|	|	|	4.80

17.333	0.00	5.71	6.921	IO				4.78
17.417	0.00	5.70	6.882	IO				4.75
17.500	0.00	5.69	6.843	IO				4.73
17.583	0.00	5.67	6.804	IO				4.71
17.667	0.00	5.66	6.765	IO				4.69
17.750	0.00	5.64	6.726	IO				4.66
17.833	0.00	5.63	6.687	IO				4.64
17.917	0.00	5.62	6.648	IO				4.62
18.000	0.00	5.60	6.610	IO				4.59
18.083	0.00	5.59	6.571	IO				4.57
18.167	0.00	5.57	6.533	IO				4.55
18.250	0.00	5.56	6.494	IO				4.53
18.333	0.00	5.55	6.456	IO				4.50
18.417	0.00	5.53	6.418	IO				4.48
18.500	0.00	5.52	6.380	IO				4.46
18.583	0.00	5.51	6.342	IO				4.44
18.667	0.00	5.49	6.304	IO				4.41
18.750	0.00	5.48	6.266	IO				4.39
18.833	0.00	5.47	6.228	IO				4.37
18.917	0.00	5.45	6.191	IO				4.35
19.000	0.00	5.44	6.153	IO				4.33
19.083	0.00	5.43	6.116	IO				4.30
19.167	0.00	5.41	6.079	IO				4.28
19.250	0.00	5.40	6.041	IO				4.26
19.333	0.00	5.39	6.004	IO				4.24
19.417	0.00	5.37	5.967	IO				4.22
19.500	0.00	5.36	5.930	IO				4.19
19.583	0.00	5.35	5.893	IO				4.17
19.667	0.00	5.33	5.857	IO				4.15
19.750	0.00	5.32	5.820	IO				4.13
19.833	0.00	5.31	5.783	IO				4.11
19.917	0.00	5.29	5.747	IO				4.09
20.000	0.00	5.28	5.710	IO				4.06
20.083	0.00	5.27	5.674	IO				4.04
20.167	0.00	5.25	5.638	IO				4.02
20.250	0.00	5.24	5.602	IO				4.00
20.333	0.00	5.22	5.566	IO				3.98
20.417	0.00	5.20	5.530	IO				3.95
20.500	0.00	5.18	5.494	IO				3.93
20.583	0.00	5.16	5.458	IO				3.91
20.667	0.00	5.14	5.423	IO				3.88
20.750	0.00	5.13	5.388	IO				3.86
20.833	0.00	5.11	5.352	IO				3.83
20.917	0.00	5.09	5.317	IO				3.81
21.000	0.00	5.07	5.282	IO				3.79
21.083	0.00	5.05	5.247	IO				3.76
21.167	0.00	5.03	5.213	IO				3.74
21.250	0.00	5.01	5.178	IO				3.72
21.333	0.00	4.99	5.144	IO				3.70
21.417	0.00	4.98	5.109	IO				3.67
21.500	0.00	4.96	5.075	IO				3.65
21.583	0.00	4.94	5.041	IO				3.63
21.667	0.00	4.92	5.007	IO				3.60
21.750	0.00	4.90	4.973	IO				3.58
21.833	0.00	4.88	4.940	IO				3.56
21.917	0.00	4.87	4.906	IO				3.54
22.000	0.00	4.85	4.873	IO				3.52
22.083	0.00	4.83	4.839	IO				3.49
22.167	0.00	4.81	4.806	IO				3.47
22.250	0.00	4.79	4.773	IO				3.45
22.333	0.00	4.78	4.740	IO				3.43
22.417	0.00	4.76	4.707	IO				3.40
22.500	0.00	4.74	4.675	IO				3.38
22.583	0.00	4.72	4.642	IO				3.36
22.667	0.00	4.71	4.610	IO				3.34
22.750	0.00	4.69	4.577	IO				3.32
22.833	0.00	4.67	4.545	IO				3.30
22.917	0.00	4.65	4.513	IO				3.28

23.000	0.00	4.64	4.481	IO				3.25
23.083	0.00	4.62	4.449	IO				3.23
23.167	0.00	4.60	4.417	IO				3.21
23.250	0.00	4.58	4.386	IO				3.19
23.333	0.00	4.57	4.354	IO				3.17
23.417	0.00	4.55	4.323	IO				3.15
23.500	0.00	4.53	4.291	IO				3.13
23.583	0.00	4.52	4.260	IO				3.11
23.667	0.00	4.50	4.229	IO				3.09
23.750	0.00	4.48	4.198	IO				3.07
23.833	0.00	4.47	4.167	IO				3.04
23.917	0.00	4.45	4.137	IO				3.02
24.000	0.00	4.43	4.106	IO				3.00
24.083	0.00	4.42	4.076	IO				2.98
24.167	0.00	4.40	4.045	IO				2.96
24.250	0.00	4.38	4.015	IO				2.94
24.333	0.00	4.37	3.985	IO				2.92
24.417	0.00	4.35	3.955	IO				2.90
24.500	0.00	4.34	3.925	IO				2.88
24.583	0.00	4.32	3.895	IO				2.86
24.667	0.00	4.30	3.866	IO				2.84
24.750	0.00	4.29	3.836	IO				2.82
24.833	0.00	4.27	3.806	IO				2.80
24.917	0.00	4.26	3.777	IO				2.78
25.000	0.00	4.24	3.748	IO				2.77
25.083	0.00	4.22	3.719	IO				2.75
25.167	0.00	4.21	3.690	IO				2.73
25.250	0.00	4.19	3.661	IO				2.71
25.333	0.00	4.18	3.632	IO				2.69
25.417	0.00	4.16	3.603	IO				2.67
25.500	0.00	4.15	3.575	IO				2.65
25.583	0.00	4.13	3.546	IO				2.63
25.667	0.00	4.12	3.518	IO				2.61
25.750	0.00	4.10	3.489	IO				2.59
25.833	0.00	4.09	3.461	IO				2.57
25.917	0.00	4.07	3.433	IO				2.56
26.000	0.00	4.05	3.405	IO				2.54
26.083	0.00	4.04	3.377	IO				2.52
26.167	0.00	4.02	3.349	IO				2.50
26.250	0.00	4.01	3.322	IO				2.48
26.333	0.00	3.99	3.294	IO				2.46
26.417	0.00	3.98	3.267	IO				2.44
26.500	0.00	3.97	3.239	IO				2.43
26.583	0.00	3.95	3.212	IO				2.41
26.667	0.00	3.94	3.185	IO				2.39
26.750	0.00	3.92	3.158	IO				2.37
26.833	0.00	3.91	3.131	IO				2.35
26.917	0.00	3.89	3.104	IO				2.34
27.000	0.00	3.88	3.077	IO				2.32
27.083	0.00	3.86	3.051	IO				2.30
27.167	0.00	3.85	3.024	IO				2.28
27.250	0.00	3.83	2.998	IO				2.27
27.333	0.00	3.82	2.971	IO				2.25
27.417	0.00	3.81	2.945	IO				2.23
27.500	0.00	3.79	2.919	IO				2.21
27.583	0.00	3.78	2.893	IO				2.20
27.667	0.00	3.76	2.867	IO				2.18
27.750	0.00	3.75	2.841	IO				2.16
27.833	0.00	3.74	2.815	IO				2.14
27.917	0.00	3.72	2.790	IO				2.13
28.000	0.00	3.71	2.764	IO				2.11
28.083	0.00	3.69	2.738	IO				2.09
28.167	0.00	3.68	2.713	IO				2.08
28.250	0.00	3.67	2.688	IO				2.06
28.333	0.00	3.65	2.663	IO				2.04
28.417	0.00	3.64	2.637	IO				2.02
28.500	0.00	3.63	2.612	IO				2.01
28.583	0.00	3.61	2.587	IO				1.99

28.667	0.00	3.59	2.563	O	|	|	|	|	1.97
28.750	0.00	3.57	2.538	O	|	|	|	|	1.95
28.833	0.00	3.54	2.514	O	|	|	|	|	1.94
28.917	0.00	3.52	2.489	O	|	|	|	|	1.92
29.000	0.00	3.50	2.465	O	|	|	|	|	1.90
29.083	0.00	3.48	2.441	O	|	|	|	|	1.88
29.167	0.00	3.46	2.417	O	|	|	|	|	1.86
29.250	0.00	3.44	2.393	O	|	|	|	|	1.85
29.333	0.00	3.42	2.370	O	|	|	|	|	1.83
29.417	0.00	3.40	2.346	O	|	|	|	|	1.81
29.500	0.00	3.38	2.323	O	|	|	|	|	1.79
29.583	0.00	3.36	2.300	O	|	|	|	|	1.78
29.667	0.00	3.34	2.277	O	|	|	|	|	1.76
29.750	0.00	3.32	2.254	O	|	|	|	|	1.74
29.833	0.00	3.30	2.231	O	|	|	|	|	1.73
29.917	0.00	3.28	2.208	O	|	|	|	|	1.71
30.000	0.00	3.26	2.186	O	|	|	|	|	1.69
30.083	0.00	3.24	2.163	O	|	|	|	|	1.68
30.167	0.00	3.22	2.141	O	|	|	|	|	1.66
30.250	0.00	3.20	2.119	O	|	|	|	|	1.64
30.333	0.00	3.18	2.097	O	|	|	|	|	1.63
30.417	0.00	3.16	2.075	O	|	|	|	|	1.61
30.500	0.00	3.14	2.054	O	|	|	|	|	1.60
30.583	0.00	3.12	2.032	O	|	|	|	|	1.58
30.667	0.00	3.10	2.011	O	|	|	|	|	1.56
30.750	0.00	3.09	1.989	O	|	|	|	|	1.55
30.833	0.00	3.07	1.968	O	|	|	|	|	1.53
30.917	0.00	3.05	1.947	O	|	|	|	|	1.52
31.000	0.00	3.03	1.926	O	|	|	|	|	1.50
31.083	0.00	3.01	1.905	O	|	|	|	|	1.49
31.167	0.00	2.99	1.885	O	|	|	|	|	1.47
31.250	0.00	2.98	1.864	O	|	|	|	|	1.45
31.333	0.00	2.96	1.844	O	|	|	|	|	1.44
31.417	0.00	2.94	1.823	O	|	|	|	|	1.42
31.500	0.00	2.92	1.803	O	|	|	|	|	1.41
31.583	0.00	2.91	1.783	O	|	|	|	|	1.39
31.667	0.00	2.89	1.763	O	|	|	|	|	1.38
31.750	0.00	2.87	1.743	O	|	|	|	|	1.37
31.833	0.00	2.85	1.724	O	|	|	|	|	1.35
31.917	0.00	2.84	1.704	O	|	|	|	|	1.34
32.000	0.00	2.82	1.684	O	|	|	|	|	1.32
32.083	0.00	2.80	1.665	O	|	|	|	|	1.31
32.167	0.00	2.79	1.646	O	|	|	|	|	1.29
32.250	0.00	2.77	1.627	O	|	|	|	|	1.28
32.333	0.00	2.75	1.608	O	|	|	|	|	1.26
32.417	0.00	2.74	1.589	O	|	|	|	|	1.25
32.500	0.00	2.72	1.570	O	|	|	|	|	1.24
32.583	0.00	2.70	1.551	O	|	|	|	|	1.22
32.667	0.00	2.69	1.533	O	|	|	|	|	1.21
32.750	0.00	2.67	1.514	O	|	|	|	|	1.20
32.833	0.00	2.65	1.496	O	|	|	|	|	1.18
32.917	0.00	2.64	1.478	O	|	|	|	|	1.17
33.000	0.00	2.62	1.460	O	|	|	|	|	1.16
33.083	0.00	2.61	1.442	O	|	|	|	|	1.14
33.167	0.00	2.59	1.424	O	|	|	|	|	1.13
33.250	0.00	2.58	1.406	O	|	|	|	|	1.12
33.333	0.00	2.56	1.388	O	|	|	|	|	1.10
33.417	0.00	2.55	1.371	O	|	|	|	|	1.09
33.500	0.00	2.53	1.353	O	|	|	|	|	1.08
33.583	0.00	2.51	1.336	O	|	|	|	|	1.06
33.667	0.00	2.50	1.319	O	|	|	|	|	1.05
33.750	0.00	2.48	1.301	O	|	|	|	|	1.04
33.833	0.00	2.47	1.284	O	|	|	|	|	1.03
33.917	0.00	2.46	1.267	O	|	|	|	|	1.01
34.000	0.00	2.44	1.250	O	|	|	|	|	1.00
34.083	0.00	2.41	1.234	O	|	|	|	|	0.99
34.167	0.00	2.38	1.217	O	|	|	|	|	0.97
34.250	0.00	2.34	1.201	O	|	|	|	|	0.96

34.333	0.00	2.31	1.185	O	|	|	|	|	0.95
34.417	0.00	2.28	1.169	O	|	|	|	|	0.94
34.500	0.00	2.25	1.154	O	|	|	|	|	0.92
34.583	0.00	2.22	1.138	O	|	|	|	|	0.91
34.667	0.00	2.19	1.123	O	|	|	|	|	0.90
34.750	0.00	2.16	1.108	O	|	|	|	|	0.89
34.833	0.00	2.13	1.093	O	|	|	|	|	0.87
34.917	0.00	2.11	1.079	O	|	|	|	|	0.86
35.000	0.00	2.08	1.064	O	|	|	|	|	0.85
35.083	0.00	2.05	1.050	O	|	|	|	|	0.84
35.167	0.00	2.02	1.036	O	|	|	|	|	0.83
35.250	0.00	2.00	1.022	O	|	|	|	|	0.82
35.333	0.00	1.97	1.008	O	|	|	|	|	0.81
35.417	0.00	1.94	0.995	O	|	|	|	|	0.80
35.500	0.00	1.92	0.982	O	|	|	|	|	0.79
35.583	0.00	1.89	0.969	O	|	|	|	|	0.77
35.667	0.00	1.87	0.956	O	|	|	|	|	0.76
35.750	0.00	1.84	0.943	O	|	|	|	|	0.75
35.833	0.00	1.82	0.930	O	|	|	|	|	0.74
35.917	0.00	1.79	0.918	O	|	|	|	|	0.73
36.000	0.00	1.77	0.906	O	|	|	|	|	0.72
36.083	0.00	1.74	0.894	O	|	|	|	|	0.71
36.167	0.00	1.72	0.882	O	|	|	|	|	0.71
36.250	0.00	1.70	0.870	O	|	|	|	|	0.70
36.333	0.00	1.68	0.858	O	|	|	|	|	0.69
36.417	0.00	1.65	0.847	O	|	|	|	|	0.68
36.500	0.00	1.63	0.835	O	|	|	|	|	0.67
36.583	0.00	1.61	0.824	O	|	|	|	|	0.66
36.667	0.00	1.59	0.813	O	|	|	|	|	0.65
36.750	0.00	1.57	0.802	O	|	|	|	|	0.64
36.833	0.00	1.55	0.792	O	|	|	|	|	0.63
36.917	0.00	1.52	0.781	O	|	|	|	|	0.62
37.000	0.00	1.50	0.771	O	|	|	|	|	0.62
37.083	0.00	1.48	0.760	O	|	|	|	|	0.61
37.167	0.00	1.46	0.750	O	|	|	|	|	0.60
37.250	0.00	1.44	0.740	O	|	|	|	|	0.59
37.333	0.00	1.43	0.730	O	|	|	|	|	0.58
37.417	0.00	1.41	0.721	O	|	|	|	|	0.58
37.500	0.00	1.39	0.711	O	|	|	|	|	0.57
37.583	0.00	1.37	0.701	O	|	|	|	|	0.56
37.667	0.00	1.35	0.692	O	|	|	|	|	0.55
37.750	0.00	1.33	0.683	O	|	|	|	|	0.55
37.833	0.00	1.32	0.674	O	|	|	|	|	0.54
37.917	0.00	1.30	0.665	O	|	|	|	|	0.53
38.000	0.00	1.28	0.656	O	|	|	|	|	0.52
38.083	0.00	1.26	0.647	O	|	|	|	|	0.52
38.167	0.00	1.25	0.638	O	|	|	|	|	0.51
38.250	0.00	1.23	0.630	O	|	|	|	|	0.50
38.333	0.00	1.21	0.622	O	|	|	|	|	0.50
38.417	0.00	1.20	0.613	O	|	|	|	|	0.49
38.500	0.00	1.18	0.605	O	|	|	|	|	0.48
38.583	0.00	1.17	0.597	O	|	|	|	|	0.48
38.667	0.00	1.15	0.589	O	|	|	|	|	0.47
38.750	0.00	1.13	0.581	O	|	|	|	|	0.46
38.833	0.00	1.12	0.573	O	|	|	|	|	0.46
38.917	0.00	1.10	0.566	O	|	|	|	|	0.45
39.000	0.00	1.09	0.558	O	|	|	|	|	0.45
39.083	0.00	1.07	0.551	O	|	|	|	|	0.44
39.167	0.00	1.06	0.543	O	|	|	|	|	0.43
39.250	0.00	1.05	0.536	O	|	|	|	|	0.43
39.333	0.00	1.03	0.529	O	|	|	|	|	0.42
39.417	0.00	1.02	0.522	O	|	|	|	|	0.42
39.500	0.00	1.01	0.515	O	|	|	|	|	0.41
39.583	0.00	0.99	0.508	O	|	|	|	|	0.41
39.667	0.00	0.98	0.501	O	|	|	|	|	0.40
39.750	0.00	0.97	0.495	O	|	|	|	|	0.40
39.833	0.00	0.95	0.488	O	|	|	|	|	0.39
39.917	0.00	0.94	0.481	O	|	|	|	|	0.39

40.000	0.00	0.93	0.475	O	|	|	|	|	0.38
40.083	0.00	0.91	0.469	O	|	|	|	|	0.37
40.167	0.00	0.90	0.462	O	|	|	|	|	0.37
40.250	0.00	0.89	0.456	O	|	|	|	|	0.36
40.333	0.00	0.88	0.450	O	|	|	|	|	0.36
40.417	0.00	0.87	0.444	O	|	|	|	|	0.36
40.500	0.00	0.86	0.438	O	|	|	|	|	0.35
40.583	0.00	0.84	0.432	O	|	|	|	|	0.35
40.667	0.00	0.83	0.427	O	|	|	|	|	0.34
40.750	0.00	0.82	0.421	O	|	|	|	|	0.34
40.833	0.00	0.81	0.415	O	|	|	|	|	0.33
40.917	0.00	0.80	0.410	O	|	|	|	|	0.33
41.000	0.00	0.79	0.404	O	|	|	|	|	0.32
41.083	0.00	0.78	0.399	O	|	|	|	|	0.32
41.167	0.00	0.77	0.394	O	|	|	|	|	0.31
41.250	0.00	0.76	0.388	O	|	|	|	|	0.31
41.333	0.00	0.75	0.383	O	|	|	|	|	0.31
41.417	0.00	0.74	0.378	O	|	|	|	|	0.30
41.500	0.00	0.73	0.373	O	|	|	|	|	0.30
41.583	0.00	0.72	0.368	O	|	|	|	|	0.29
41.667	0.00	0.71	0.363	O	|	|	|	|	0.29
41.750	0.00	0.70	0.358	O	|	|	|	|	0.29
41.833	0.00	0.69	0.353	O	|	|	|	|	0.28
41.917	0.00	0.68	0.349	O	|	|	|	|	0.28
42.000	0.00	0.67	0.344	O	|	|	|	|	0.28
42.083	0.00	0.66	0.339	O	|	|	|	|	0.27
42.167	0.00	0.65	0.335	O	|	|	|	|	0.27
42.250	0.00	0.64	0.330	O	|	|	|	|	0.26
42.333	0.00	0.64	0.326	O	|	|	|	|	0.26
42.417	0.00	0.63	0.322	O	|	|	|	|	0.26
42.500	0.00	0.62	0.317	O	|	|	|	|	0.25
42.583	0.00	0.61	0.313	O	|	|	|	|	0.25
42.667	0.00	0.60	0.309	O	|	|	|	|	0.25
42.750	0.00	0.59	0.305	O	|	|	|	|	0.24
42.833	0.00	0.59	0.301	O	|	|	|	|	0.24
42.917	0.00	0.58	0.297	O	|	|	|	|	0.24
43.000	0.00	0.57	0.293	O	|	|	|	|	0.23
43.083	0.00	0.56	0.289	O	|	|	|	|	0.23
43.167	0.00	0.56	0.285	O	|	|	|	|	0.23
43.250	0.00	0.55	0.281	O	|	|	|	|	0.22
43.333	0.00	0.54	0.277	O	|	|	|	|	0.22
43.417	0.00	0.53	0.274	O	|	|	|	|	0.22
43.500	0.00	0.53	0.270	O	|	|	|	|	0.22
43.583	0.00	0.52	0.266	O	|	|	|	|	0.21
43.667	0.00	0.51	0.263	O	|	|	|	|	0.21
43.750	0.00	0.51	0.259	O	|	|	|	|	0.21
43.833	0.00	0.50	0.256	O	|	|	|	|	0.20
43.917	0.00	0.49	0.253	O	|	|	|	|	0.20
44.000	0.00	0.49	0.249	O	|	|	|	|	0.20
44.083	0.00	0.48	0.246	O	|	|	|	|	0.20
44.167	0.00	0.47	0.243	O	|	|	|	|	0.19
44.250	0.00	0.47	0.239	O	|	|	|	|	0.19
44.333	0.00	0.46	0.236	O	|	|	|	|	0.19
44.417	0.00	0.45	0.233	O	|	|	|	|	0.19
44.500	0.00	0.45	0.230	O	|	|	|	|	0.18
44.583	0.00	0.44	0.227	O	|	|	|	|	0.18
44.667	0.00	0.44	0.224	O	|	|	|	|	0.18
44.750	0.00	0.43	0.221	O	|	|	|	|	0.18
44.833	0.00	0.43	0.218	O	|	|	|	|	0.17
44.917	0.00	0.42	0.215	O	|	|	|	|	0.17
45.000	0.00	0.41	0.212	O	|	|	|	|	0.17
45.083	0.00	0.41	0.209	O	|	|	|	|	0.17
45.167	0.00	0.40	0.206	O	|	|	|	|	0.17
45.250	0.00	0.40	0.204	O	|	|	|	|	0.16
45.333	0.00	0.39	0.201	O	|	|	|	|	0.16
45.417	0.00	0.39	0.198	O	|	|	|	|	0.16
45.500	0.00	0.38	0.196	O	|	|	|	|	0.16
45.583	0.00	0.38	0.193	O	|	|	|	|	0.15

45.667	0.00	0.37	0.190	O	|	|	|	|	0.15
45.750	0.00	0.37	0.188	O	|	|	|	|	0.15
45.833	0.00	0.36	0.185	O	|	|	|	|	0.15
45.917	0.00	0.36	0.183	O	|	|	|	|	0.15
46.000	0.00	0.35	0.180	O	|	|	|	|	0.14
46.083	0.00	0.35	0.178	O	|	|	|	|	0.14
46.167	0.00	0.34	0.176	O	|	|	|	|	0.14
46.250	0.00	0.34	0.173	O	|	|	|	|	0.14
46.333	0.00	0.33	0.171	O	|	|	|	|	0.14
46.417	0.00	0.33	0.169	O	|	|	|	|	0.13
46.500	0.00	0.32	0.166	O	|	|	|	|	0.13
46.583	0.00	0.32	0.164	O	|	|	|	|	0.13
46.667	0.00	0.32	0.162	O	|	|	|	|	0.13
46.750	0.00	0.31	0.160	O	|	|	|	|	0.13
46.833	0.00	0.31	0.158	O	|	|	|	|	0.13
46.917	0.00	0.30	0.156	O	|	|	|	|	0.12
47.000	0.00	0.30	0.154	O	|	|	|	|	0.12
47.083	0.00	0.30	0.152	O	|	|	|	|	0.12
47.167	0.00	0.29	0.149	O	|	|	|	|	0.12
47.250	0.00	0.29	0.147	O	|	|	|	|	0.12
47.333	0.00	0.28	0.146	O	|	|	|	|	0.12
47.417	0.00	0.28	0.144	O	|	|	|	|	0.11
47.500	0.00	0.28	0.142	O	|	|	|	|	0.11
47.583	0.00	0.27	0.140	O	|	|	|	|	0.11
47.667	0.00	0.27	0.138	O	|	|	|	|	0.11
47.750	0.00	0.27	0.136	O	|	|	|	|	0.11
47.833	0.00	0.26	0.134	O	|	|	|	|	0.11
47.917	0.00	0.26	0.132	O	|	|	|	|	0.11
48.000	0.00	0.26	0.131	O	|	|	|	|	0.10
48.083	0.00	0.25	0.129	O	|	|	|	|	0.10
48.167	0.00	0.25	0.127	O	|	|	|	|	0.10
48.250	0.00	0.24	0.126	O	|	|	|	|	0.10
48.333	0.00	0.24	0.124	O	|	|	|	|	0.10
48.417	0.00	0.24	0.122	O	|	|	|	|	0.10
48.500	0.00	0.24	0.121	O	|	|	|	|	0.10
48.583	0.00	0.23	0.119	O	|	|	|	|	0.10
48.667	0.00	0.23	0.117	O	|	|	|	|	0.09
48.750	0.00	0.23	0.116	O	|	|	|	|	0.09
48.833	0.00	0.22	0.114	O	|	|	|	|	0.09
48.917	0.00	0.22	0.113	O	|	|	|	|	0.09
49.000	0.00	0.22	0.111	O	|	|	|	|	0.09
49.083	0.00	0.21	0.110	O	|	|	|	|	0.09
49.167	0.00	0.21	0.108	O	|	|	|	|	0.09
49.250	0.00	0.21	0.107	O	|	|	|	|	0.09
49.333	0.00	0.21	0.105	O	|	|	|	|	0.08
49.417	0.00	0.20	0.104	O	|	|	|	|	0.08
49.500	0.00	0.20	0.103	O	|	|	|	|	0.08
49.583	0.00	0.20	0.101	O	|	|	|	|	0.08
49.667	0.00	0.19	0.100	O	|	|	|	|	0.08
49.750	0.00	0.19	0.099	O	|	|	|	|	0.08
49.833	0.00	0.19	0.097	O	|	|	|	|	0.08
49.917	0.00	0.19	0.096	O	|	|	|	|	0.08
50.000	0.00	0.18	0.095	O	|	|	|	|	0.08
50.083	0.00	0.18	0.093	O	|	|	|	|	0.07
50.167	0.00	0.18	0.092	O	|	|	|	|	0.07
50.250	0.00	0.18	0.091	O	|	|	|	|	0.07
50.333	0.00	0.18	0.090	O	|	|	|	|	0.07
50.417	0.00	0.17	0.088	O	|	|	|	|	0.07
50.500	0.00	0.17	0.087	O	|	|	|	|	0.07
50.583	0.00	0.17	0.086	O	|	|	|	|	0.07
50.667	0.00	0.17	0.085	O	|	|	|	|	0.07
50.750	0.00	0.16	0.084	O	|	|	|	|	0.07
50.833	0.00	0.16	0.083	O	|	|	|	|	0.07
50.917	0.00	0.16	0.082	O	|	|	|	|	0.07
51.000	0.00	0.16	0.081	O	|	|	|	|	0.06
51.083	0.00	0.16	0.079	O	|	|	|	|	0.06
51.167	0.00	0.15	0.078	O	|	|	|	|	0.06
51.250	0.00	0.15	0.077	O	|	|	|	|	0.06

51.333	0.00	0.15	0.076	O	|	|	|	| 0.06
51.417	0.00	0.15	0.075	O	|	|	|	| 0.06
51.500	0.00	0.15	0.074	O	|	|	|	| 0.06
51.583	0.00	0.14	0.073	O	|	|	|	| 0.06
51.667	0.00	0.14	0.072	O	|	|	|	| 0.06
51.750	0.00	0.14	0.071	O	|	|	|	| 0.06
51.833	0.00	0.14	0.070	O	|	|	|	| 0.06
51.917	0.00	0.14	0.069	O	|	|	|	| 0.06
52.000	0.00	0.13	0.069	O	|	|	|	| 0.05
52.083	0.00	0.13	0.068	O	|	|	|	| 0.05
52.167	0.00	0.13	0.067	O	|	|	|	| 0.05
52.250	0.00	0.13	0.066	O	|	|	|	| 0.05
52.333	0.00	0.13	0.065	O	|	|	|	| 0.05
52.417	0.00	0.13	0.064	O	|	|	|	| 0.05
52.500	0.00	0.12	0.063	O	|	|	|	| 0.05
52.583	0.00	0.12	0.062	O	|	|	|	| 0.05
52.667	0.00	0.12	0.062	O	|	|	|	| 0.05
52.750	0.00	0.12	0.061	O	|	|	|	| 0.05
52.833	0.00	0.12	0.060	O	|	|	|	| 0.05
52.917	0.00	0.12	0.059	O	|	|	|	| 0.05
53.000	0.00	0.11	0.058	O	|	|	|	| 0.05
53.083	0.00	0.11	0.058	O	|	|	|	| 0.05
53.167	0.00	0.11	0.057	O	|	|	|	| 0.05
53.250	0.00	0.11	0.056	O	|	|	|	| 0.04
53.333	0.00	0.11	0.055	O	|	|	|	| 0.04
53.417	0.00	0.11	0.055	O	|	|	|	| 0.04
53.500	0.00	0.11	0.054	O	|	|	|	| 0.04
53.583	0.00	0.10	0.053	O	|	|	|	| 0.04
53.667	0.00	0.10	0.052	O	|	|	|	| 0.04
53.750	0.00	0.10	0.052	O	|	|	|	| 0.04
53.833	0.00	0.10	0.051	O	|	|	|	| 0.04
53.917	0.00	0.10	0.050	O	|	|	|	| 0.04
54.000	0.00	0.10	0.050	O	|	|	|	| 0.04
54.083	0.00	0.10	0.049	O	|	|	|	| 0.04
54.167	0.00	0.09	0.048	O	|	|	|	| 0.04
54.250	0.00	0.09	0.048	O	|	|	|	| 0.04
54.333	0.00	0.09	0.047	O	|	|	|	| 0.04
54.417	0.00	0.09	0.046	O	|	|	|	| 0.04
54.500	0.00	0.09	0.046	O	|	|	|	| 0.04
54.583	0.00	0.09	0.045	O	|	|	|	| 0.04
54.667	0.00	0.09	0.045	O	|	|	|	| 0.04
54.750	0.00	0.09	0.044	O	|	|	|	| 0.04
54.833	0.00	0.08	0.043	O	|	|	|	| 0.03
54.917	0.00	0.08	0.043	O	|	|	|	| 0.03
55.000	0.00	0.08	0.042	O	|	|	|	| 0.03
55.083	0.00	0.08	0.042	O	|	|	|	| 0.03
55.167	0.00	0.08	0.041	O	|	|	|	| 0.03
55.250	0.00	0.08	0.041	O	|	|	|	| 0.03
55.333	0.00	0.08	0.040	O	|	|	|	| 0.03
55.417	0.00	0.08	0.039	O	|	|	|	| 0.03
55.500	0.00	0.08	0.039	O	|	|	|	| 0.03
55.583	0.00	0.08	0.038	O	|	|	|	| 0.03
55.667	0.00	0.07	0.038	O	|	|	|	| 0.03
55.750	0.00	0.07	0.037	O	|	|	|	| 0.03
55.833	0.00	0.07	0.037	O	|	|	|	| 0.03
55.917	0.00	0.07	0.036	O	|	|	|	| 0.03
56.000	0.00	0.07	0.036	O	|	|	|	| 0.03
56.083	0.00	0.07	0.035	O	|	|	|	| 0.03
56.167	0.00	0.07	0.035	O	|	|	|	| 0.03
56.250	0.00	0.07	0.035	O	|	|	|	| 0.03
56.333	0.00	0.07	0.034	O	|	|	|	| 0.03
56.417	0.00	0.07	0.034	O	|	|	|	| 0.03
56.500	0.00	0.06	0.033	O	|	|	|	| 0.03
56.583	0.00	0.06	0.033	O	|	|	|	| 0.03
56.667	0.00	0.06	0.032	O	|	|	|	| 0.03
56.750	0.00	0.06	0.032	O	|	|	|	| 0.03
56.833	0.00	0.06	0.031	O	|	|	|	| 0.03
56.917	0.00	0.06	0.031	O	|	|	|	| 0.02

57.000	0.00	0.06	0.031	O	|	|	|	|	0.02
57.083	0.00	0.06	0.030	O	|	|	|	|	0.02
57.167	0.00	0.06	0.030	O	|	|	|	|	0.02
57.250	0.00	0.06	0.029	O	|	|	|	|	0.02
57.333	0.00	0.06	0.029	O	|	|	|	|	0.02
57.417	0.00	0.06	0.029	O	|	|	|	|	0.02
57.500	0.00	0.06	0.028	O	|	|	|	|	0.02
57.583	0.00	0.05	0.028	O	|	|	|	|	0.02
57.667	0.00	0.05	0.027	O	|	|	|	|	0.02
57.750	0.00	0.05	0.027	O	|	|	|	|	0.02
57.833	0.00	0.05	0.027	O	|	|	|	|	0.02
57.917	0.00	0.05	0.026	O	|	|	|	|	0.02
58.000	0.00	0.05	0.026	O	|	|	|	|	0.02
58.083	0.00	0.05	0.026	O	|	|	|	|	0.02
58.167	0.00	0.05	0.025	O	|	|	|	|	0.02
58.250	0.00	0.05	0.025	O	|	|	|	|	0.02
58.333	0.00	0.05	0.025	O	|	|	|	|	0.02
58.417	0.00	0.05	0.024	O	|	|	|	|	0.02
58.500	0.00	0.05	0.024	O	|	|	|	|	0.02
58.583	0.00	0.05	0.024	O	|	|	|	|	0.02
58.667	0.00	0.05	0.023	O	|	|	|	|	0.02
58.750	0.00	0.05	0.023	O	|	|	|	|	0.02
58.833	0.00	0.04	0.023	O	|	|	|	|	0.02
58.917	0.00	0.04	0.022	O	|	|	|	|	0.02
59.000	0.00	0.04	0.022	O	|	|	|	|	0.02
59.083	0.00	0.04	0.022	O	|	|	|	|	0.02
59.167	0.00	0.04	0.022	O	|	|	|	|	0.02
59.250	0.00	0.04	0.021	O	|	|	|	|	0.02
59.333	0.00	0.04	0.021	O	|	|	|	|	0.02
59.417	0.00	0.04	0.021	O	|	|	|	|	0.02
59.500	0.00	0.04	0.020	O	|	|	|	|	0.02
59.583	0.00	0.04	0.020	O	|	|	|	|	0.02
59.667	0.00	0.04	0.020	O	|	|	|	|	0.02
59.750	0.00	0.04	0.020	O	|	|	|	|	0.02
59.833	0.00	0.04	0.019	O	|	|	|	|	0.02
59.917	0.00	0.04	0.019	O	|	|	|	|	0.02
60.000	0.00	0.04	0.019	O	|	|	|	|	0.02
60.083	0.00	0.04	0.019	O	|	|	|	|	0.01
60.167	0.00	0.04	0.018	O	|	|	|	|	0.01
60.250	0.00	0.04	0.018	O	|	|	|	|	0.01
60.333	0.00	0.03	0.018	O	|	|	|	|	0.01
60.417	0.00	0.03	0.018	O	|	|	|	|	0.01
60.500	0.00	0.03	0.017	O	|	|	|	|	0.01
60.583	0.00	0.03	0.017	O	|	|	|	|	0.01
60.667	0.00	0.03	0.017	O	|	|	|	|	0.01
60.750	0.00	0.03	0.017	O	|	|	|	|	0.01
60.833	0.00	0.03	0.016	O	|	|	|	|	0.01
60.917	0.00	0.03	0.016	O	|	|	|	|	0.01
61.000	0.00	0.03	0.016	O	|	|	|	|	0.01
61.083	0.00	0.03	0.016	O	|	|	|	|	0.01
61.167	0.00	0.03	0.016	O	|	|	|	|	0.01
61.250	0.00	0.03	0.015	O	|	|	|	|	0.01
61.333	0.00	0.03	0.015	O	|	|	|	|	0.01
61.417	0.00	0.03	0.015	O	|	|	|	|	0.01
61.500	0.00	0.03	0.015	O	|	|	|	|	0.01
61.583	0.00	0.03	0.015	O	|	|	|	|	0.01
61.667	0.00	0.03	0.014	O	|	|	|	|	0.01
61.750	0.00	0.03	0.014	O	|	|	|	|	0.01
61.833	0.00	0.03	0.014	O	|	|	|	|	0.01
61.917	0.00	0.03	0.014	O	|	|	|	|	0.01
62.000	0.00	0.03	0.014	O	|	|	|	|	0.01
62.083	0.00	0.03	0.013	O	|	|	|	|	0.01
62.167	0.00	0.03	0.013	O	|	|	|	|	0.01
62.250	0.00	0.03	0.013	O	|	|	|	|	0.01
62.333	0.00	0.03	0.013	O	|	|	|	|	0.01
62.417	0.00	0.02	0.013	O	|	|	|	|	0.01
62.500	0.00	0.02	0.013	O	|	|	|	|	0.01
62.583	0.00	0.02	0.012	O	|	|	|	|	0.01

62.667	0.00	0.02	0.012	O	|	|	|	|	0.01
62.750	0.00	0.02	0.012	O	|	|	|	|	0.01
62.833	0.00	0.02	0.012	O	|	|	|	|	0.01
62.917	0.00	0.02	0.012	O	|	|	|	|	0.01
63.000	0.00	0.02	0.012	O	|	|	|	|	0.01
63.083	0.00	0.02	0.011	O	|	|	|	|	0.01
63.167	0.00	0.02	0.011	O	|	|	|	|	0.01
63.250	0.00	0.02	0.011	O	|	|	|	|	0.01
63.333	0.00	0.02	0.011	O	|	|	|	|	0.01
63.417	0.00	0.02	0.011	O	|	|	|	|	0.01
63.500	0.00	0.02	0.011	O	|	|	|	|	0.01
63.583	0.00	0.02	0.011	O	|	|	|	|	0.01
63.667	0.00	0.02	0.010	O	|	|	|	|	0.01
63.750	0.00	0.02	0.010	O	|	|	|	|	0.01
63.833	0.00	0.02	0.010	O	|	|	|	|	0.01
63.917	0.00	0.02	0.010	O	|	|	|	|	0.01
64.000	0.00	0.02	0.010	O	|	|	|	|	0.01
64.083	0.00	0.02	0.010	O	|	|	|	|	0.01
64.167	0.00	0.02	0.010	O	|	|	|	|	0.01
64.250	0.00	0.02	0.009	O	|	|	|	|	0.01
64.333	0.00	0.02	0.009	O	|	|	|	|	0.01
64.417	0.00	0.02	0.009	O	|	|	|	|	0.01
64.500	0.00	0.02	0.009	O	|	|	|	|	0.01
64.583	0.00	0.02	0.009	O	|	|	|	|	0.01
64.667	0.00	0.02	0.009	O	|	|	|	|	0.01
64.750	0.00	0.02	0.009	O	|	|	|	|	0.01
64.833	0.00	0.02	0.009	O	|	|	|	|	0.01
64.917	0.00	0.02	0.009	O	|	|	|	|	0.01
65.000	0.00	0.02	0.008	O	|	|	|	|	0.01
65.083	0.00	0.02	0.008	O	|	|	|	|	0.01
65.167	0.00	0.02	0.008	O	|	|	|	|	0.01
65.250	0.00	0.02	0.008	O	|	|	|	|	0.01
65.333	0.00	0.02	0.008	O	|	|	|	|	0.01
65.417	0.00	0.02	0.008	O	|	|	|	|	0.01
65.500	0.00	0.02	0.008	O	|	|	|	|	0.01
65.583	0.00	0.01	0.008	O	|	|	|	|	0.01
65.667	0.00	0.01	0.008	O	|	|	|	|	0.01
65.750	0.00	0.01	0.007	O	|	|	|	|	0.01
65.833	0.00	0.01	0.007	O	|	|	|	|	0.01
65.917	0.00	0.01	0.007	O	|	|	|	|	0.01
66.000	0.00	0.01	0.007	O	|	|	|	|	0.01
66.083	0.00	0.01	0.007	O	|	|	|	|	0.01
66.167	0.00	0.01	0.007	O	|	|	|	|	0.01
66.250	0.00	0.01	0.007	O	|	|	|	|	0.01
66.333	0.00	0.01	0.007	O	|	|	|	|	0.01
66.417	0.00	0.01	0.007	O	|	|	|	|	0.01
66.500	0.00	0.01	0.007	O	|	|	|	|	0.01
66.583	0.00	0.01	0.007	O	|	|	|	|	0.01
66.667	0.00	0.01	0.006	O	|	|	|	|	0.01
66.750	0.00	0.01	0.006	O	|	|	|	|	0.01
66.833	0.00	0.01	0.006	O	|	|	|	|	0.01
66.917	0.00	0.01	0.006	O	|	|	|	|	0.00
67.000	0.00	0.01	0.006	O	|	|	|	|	0.00
67.083	0.00	0.01	0.006	O	|	|	|	|	0.00
67.167	0.00	0.01	0.006	O	|	|	|	|	0.00
67.250	0.00	0.01	0.006	O	|	|	|	|	0.00
67.333	0.00	0.01	0.006	O	|	|	|	|	0.00
67.417	0.00	0.01	0.006	O	|	|	|	|	0.00
67.500	0.00	0.01	0.006	O	|	|	|	|	0.00
67.583	0.00	0.01	0.006	O	|	|	|	|	0.00
67.667	0.00	0.01	0.005	O	|	|	|	|	0.00
67.750	0.00	0.01	0.005	O	|	|	|	|	0.00
67.833	0.00	0.01	0.005	O	|	|	|	|	0.00
67.917	0.00	0.01	0.005	O	|	|	|	|	0.00
68.000	0.00	0.01	0.005	O	|	|	|	|	0.00
68.083	0.00	0.01	0.005	O	|	|	|	|	0.00
68.167	0.00	0.01	0.005	O	|	|	|	|	0.00
68.250	0.00	0.01	0.005	O	|	|	|	|	0.00

68.333	0.00	0.01	0.005	O	|	|	|	|	0.00
68.417	0.00	0.01	0.005	O	|	|	|	|	0.00
68.500	0.00	0.01	0.005	O	|	|	|	|	0.00
68.583	0.00	0.01	0.005	O	|	|	|	|	0.00
68.667	0.00	0.01	0.005	O	|	|	|	|	0.00
68.750	0.00	0.01	0.005	O	|	|	|	|	0.00
68.833	0.00	0.01	0.005	O	|	|	|	|	0.00
68.917	0.00	0.01	0.004	O	|	|	|	|	0.00
69.000	0.00	0.01	0.004	O	|	|	|	|	0.00
69.083	0.00	0.01	0.004	O	|	|	|	|	0.00
69.167	0.00	0.01	0.004	O	|	|	|	|	0.00
69.250	0.00	0.01	0.004	O	|	|	|	|	0.00
69.333	0.00	0.01	0.004	O	|	|	|	|	0.00
69.417	0.00	0.01	0.004	O	|	|	|	|	0.00
69.500	0.00	0.01	0.004	O	|	|	|	|	0.00
69.583	0.00	0.01	0.004	O	|	|	|	|	0.00
69.667	0.00	0.01	0.004	O	|	|	|	|	0.00
69.750	0.00	0.01	0.004	O	|	|	|	|	0.00
69.833	0.00	0.01	0.004	O	|	|	|	|	0.00
69.917	0.00	0.01	0.004	O	|	|	|	|	0.00
70.000	0.00	0.01	0.004	O	|	|	|	|	0.00
70.083	0.00	0.01	0.004	O	|	|	|	|	0.00
70.167	0.00	0.01	0.004	O	|	|	|	|	0.00
70.250	0.00	0.01	0.004	O	|	|	|	|	0.00
70.333	0.00	0.01	0.004	O	|	|	|	|	0.00
70.417	0.00	0.01	0.004	O	|	|	|	|	0.00
70.500	0.00	0.01	0.003	O	|	|	|	|	0.00
70.583	0.00	0.01	0.003	O	|	|	|	|	0.00
70.667	0.00	0.01	0.003	O	|	|	|	|	0.00
70.750	0.00	0.01	0.003	O	|	|	|	|	0.00
70.833	0.00	0.01	0.003	O	|	|	|	|	0.00
70.917	0.00	0.01	0.003	O	|	|	|	|	0.00
71.000	0.00	0.01	0.003	O	|	|	|	|	0.00
71.083	0.00	0.01	0.003	O	|	|	|	|	0.00
71.167	0.00	0.01	0.003	O	|	|	|	|	0.00
71.250	0.00	0.01	0.003	O	|	|	|	|	0.00
71.333	0.00	0.01	0.003	O	|	|	|	|	0.00
71.417	0.00	0.01	0.003	O	|	|	|	|	0.00
71.500	0.00	0.01	0.003	O	|	|	|	|	0.00
71.583	0.00	0.01	0.003	O	|	|	|	|	0.00
71.667	0.00	0.01	0.003	O	|	|	|	|	0.00
71.750	0.00	0.01	0.003	O	|	|	|	|	0.00
71.833	0.00	0.01	0.003	O	|	|	|	|	0.00
71.917	0.00	0.01	0.003	O	|	|	|	|	0.00
72.000	0.00	0.01	0.003	O	|	|	|	|	0.00
72.083	0.00	0.01	0.003	O	|	|	|	|	0.00
72.167	0.00	0.01	0.003	O	|	|	|	|	0.00
72.250	0.00	0.01	0.003	O	|	|	|	|	0.00
72.333	0.00	0.01	0.003	O	|	|	|	|	0.00
72.417	0.00	0.00	0.003	O	|	|	|	|	0.00
72.500	0.00	0.00	0.003	O	|	|	|	|	0.00
72.583	0.00	0.00	0.002	O	|	|	|	|	0.00
72.667	0.00	0.00	0.002	O	|	|	|	|	0.00
72.750	0.00	0.00	0.002	O	|	|	|	|	0.00
72.833	0.00	0.00	0.002	O	|	|	|	|	0.00
72.917	0.00	0.00	0.002	O	|	|	|	|	0.00
73.000	0.00	0.00	0.002	O	|	|	|	|	0.00
73.083	0.00	0.00	0.002	O	|	|	|	|	0.00
73.167	0.00	0.00	0.002	O	|	|	|	|	0.00
73.250	0.00	0.00	0.002	O	|	|	|	|	0.00
73.333	0.00	0.00	0.002	O	|	|	|	|	0.00
73.417	0.00	0.00	0.002	O	|	|	|	|	0.00
73.500	0.00	0.00	0.002	O	|	|	|	|	0.00
73.583	0.00	0.00	0.002	O	|	|	|	|	0.00
73.667	0.00	0.00	0.002	O	|	|	|	|	0.00
73.750	0.00	0.00	0.002	O	|	|	|	|	0.00
73.833	0.00	0.00	0.002	O	|	|	|	|	0.00
73.917	0.00	0.00	0.002	O	|	|	|	|	0.00

74.000	0.00	0.00	0.002	O	|	|	|	|	0.00
74.083	0.00	0.00	0.002	O	|	|	|	|	0.00
74.167	0.00	0.00	0.002	O	|	|	|	|	0.00
74.250	0.00	0.00	0.002	O	|	|	|	|	0.00
74.333	0.00	0.00	0.002	O	|	|	|	|	0.00
74.417	0.00	0.00	0.002	O	|	|	|	|	0.00
74.500	0.00	0.00	0.002	O	|	|	|	|	0.00
74.583	0.00	0.00	0.002	O	|	|	|	|	0.00
74.667	0.00	0.00	0.002	O	|	|	|	|	0.00
74.750	0.00	0.00	0.002	O	|	|	|	|	0.00
74.833	0.00	0.00	0.002	O	|	|	|	|	0.00
74.917	0.00	0.00	0.002	O	|	|	|	|	0.00
75.000	0.00	0.00	0.002	O	|	|	|	|	0.00
75.083	0.00	0.00	0.002	O	|	|	|	|	0.00
75.167	0.00	0.00	0.002	O	|	|	|	|	0.00
75.250	0.00	0.00	0.002	O	|	|	|	|	0.00
75.333	0.00	0.00	0.002	O	|	|	|	|	0.00
75.417	0.00	0.00	0.002	O	|	|	|	|	0.00
75.500	0.00	0.00	0.002	O	|	|	|	|	0.00
75.583	0.00	0.00	0.002	O	|	|	|	|	0.00
75.667	0.00	0.00	0.002	O	|	|	|	|	0.00
75.750	0.00	0.00	0.001	O	|	|	|	|	0.00
75.833	0.00	0.00	0.001	O	|	|	|	|	0.00
75.917	0.00	0.00	0.001	O	|	|	|	|	0.00
76.000	0.00	0.00	0.001	O	|	|	|	|	0.00
76.083	0.00	0.00	0.001	O	|	|	|	|	0.00
76.167	0.00	0.00	0.001	O	|	|	|	|	0.00
76.250	0.00	0.00	0.001	O	|	|	|	|	0.00
76.333	0.00	0.00	0.001	O	|	|	|	|	0.00
76.417	0.00	0.00	0.001	O	|	|	|	|	0.00
76.500	0.00	0.00	0.001	O	|	|	|	|	0.00
76.583	0.00	0.00	0.001	O	|	|	|	|	0.00
76.667	0.00	0.00	0.001	O	|	|	|	|	0.00
76.750	0.00	0.00	0.001	O	|	|	|	|	0.00
76.833	0.00	0.00	0.001	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 922
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 68.747 (CFS)
Total volume = 28.099 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

REFERENCES

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
Rational Hydrology Study Date: 12/16/21 File:RVEXA.out

********* Hydrology Study Control Information **********

English (in-lb) Units used in input data file

Program License Serial Number 6406

EXISTING HYDROLOGY STUDY, DRAINAGE AREA A TO BAISN A
100 YEAR STORM, TTM#37074, RIO VISTA DEVELOPMENT

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation = 0.550(In.)
100 year, 1 hour precipitation = 1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.300(In/Hr)
Slope of intensity duration curve = 0.5500

++
Process from Point/Station 100.000 to Point/Station 101.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 630.000(Ft.)
Top (of initial area) elevation = 1570.000(Ft.)
Bottom (of initial area) elevation = 1310.000(Ft.)
Difference in elevation = 260.000(Ft.)
Slope = 0.41270 s(percent)= 41.27
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 8.335 min.
Rainfall intensity = 3.850(In/Hr) for a 100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.874
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.510
Decimal fraction soil group C = 0.490
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3) = 92.15
Pervious area fraction = 1.000; Impervious fraction = 0.000
Initial subarea runoff = 23.895(CFS)
Total initial stream area = 7.100(Ac.)
Pervious area fraction = 1.000

++
Process from Point/Station 101.000 to Point/Station 102.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****

Top of natural channel elevation = 1310.000(Ft.)
End of natural channel elevation = 1110.000(Ft.)
Length of natural channel = 1404.000(Ft.)
Estimated mean flow rate at midpoint of channel = 102.313(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow = 18.04(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
Normal channel slope = 0.1425
Corrected/adjusted channel slope = 0.1425
Travel time = 1.30 min. TC = 9.63 min.

Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.876
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.300
Decimal fraction soil group C = 0.700
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3) = 93.16
Pervious area fraction = 1.000; Impervious fraction = 0.000
Rainfall intensity = 3.555(In/Hr) for a 100.0 year storm
Subarea runoff = 145.117(CFS) for 46.600(Ac.)
Total runoff = 169.012(CFS) Total area = 53.700(Ac.)
End of computations, total study area = 53.70 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number = 83.4

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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 12/16/21  File:RVEXA.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406
------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, DRAINAGE AREA A TO BAISN A
10 YEAR STORM, TTM#37074, RIO VISTA DEVELOPMENT
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =   10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.859(In/Hr)
Slope of intensity duration curve = 0.5500


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      100.000 to Point/Station      101.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   630.000(Ft.)
Top (of initial area) elevation =  1570.000(Ft.)
Bottom (of initial area) elevation =  1310.000(Ft.)
Difference in elevation =   260.000(Ft.)
Slope =    0.41270  s(percent)=      41.27
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.335 min.
Rainfall intensity =      2.543(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.807
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.510
Decimal fraction soil group C = 0.490
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  81.92
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     14.561(CFS)
Total initial stream area =        7.100(Ac.)
Pervious area fraction = 1.000

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      101.000 to Point/Station      102.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1310.000(Ft.)
End of natural channel elevation =   1110.000(Ft.)
Length of natural channel  =  1404.000(Ft.)
Estimated mean flow rate at midpoint of channel =     62.347(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  15.57(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1425
Corrected/adjusted channel slope =  0.1425
Travel time =    1.50 min.     TC =    9.84  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.809
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.300
Decimal fraction soil group C = 0.700
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  83.60
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.321(In/Hr) for a    10.0 year storm
Subarea runoff =     87.484(CFS) for     46.600(Ac.)
Total runoff =    102.046(CFS)    Total area =      53.700(Ac.)
End of computations, total study area =           53.70 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  83.4
```

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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
         Rational Hydrology Study        Date: 10/22/21  File:RVEXB.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406
------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA "B", 100 YEAR STROM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =  100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.300(In/Hr)
Slope of intensity duration curve = 0.5500

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      200.000 to Point/Station      201.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   533.000(Ft.)
Top (of initial area) elevation =  1495.000(Ft.)
Bottom (of initial area) elevation =  1335.000(Ft.)
Difference in elevation =   160.000(Ft.)
Slope =    0.30019  s(percent)=      30.02
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.308 min.
Rainfall intensity =      3.857(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.874
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.500
Decimal fraction soil group C = 0.500
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  92.20
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     13.489(CFS)
Total initial stream area =        4.000(Ac.)
Pervious area fraction = 1.000

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      201.000 to Point/Station      202.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1335.000(Ft.)
End of natural channel elevation =   1160.000(Ft.)
Length of natural channel  =  2242.000(Ft.)
Estimated mean flow rate at midpoint of channel =    109.432(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  13.63(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0781
Corrected/adjusted channel slope =  0.0781
Travel time =    2.74 min.     TC =   11.05  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.864
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.800
Decimal fraction soil group C = 0.200
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  90.76
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.297(In/Hr) for a   100.0 year storm
Subarea runoff =    162.145(CFS) for     56.900(Ac.)
Total runoff =    175.634(CFS)    Total area =      60.900(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      202.000 to Point/Station      203.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1160.000(Ft.)
End of natural channel elevation =   1059.000(Ft.)
Length of natural channel  =  1149.000(Ft.)
Estimated mean flow rate at midpoint of channel =    206.637(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  17.57(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0879
Corrected/adjusted channel slope =  0.0879
Travel time =    1.09 min.     TC =   12.14  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.868
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Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.550
Decimal fraction soil group C = 0.450
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  91.96
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.130(In/Hr) for a   100.0 year storm
Subarea runoff =     58.398(CFS) for     21.500(Ac.)
Total runoff =    234.032(CFS)    Total area =      82.400(Ac.)
End of computations, total study area =           82.40 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  80.2
```

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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 10/22/21  File:RVEXB.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406

------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA "B", 10 YEAR STROM
------------------------------------------------------------------------

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =   10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.859(In/Hr)
Slope of intensity duration curve = 0.5500

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Process from Point/Station      200.000 to Point/Station      201.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   533.000(Ft.)
Top (of initial area) elevation =  1495.000(Ft.)
Bottom (of initial area) elevation =  1335.000(Ft.)
Difference in elevation =   160.000(Ft.)
Slope =    0.30019  s(percent)=      30.02
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.308 min.
Rainfall intensity =      2.547(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.807
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.500
Decimal fraction soil group C = 0.500
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  82.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      8.224(CFS)
Total initial stream area =        4.000(Ac.)
Pervious area fraction = 1.000

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Process from Point/Station      201.000 to Point/Station      202.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1335.000(Ft.)
End of natural channel elevation =   1160.000(Ft.)
Length of natural channel  =  2242.000(Ft.)
Estimated mean flow rate at midpoint of channel =     66.719(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  11.76(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0781
Corrected/adjusted channel slope =  0.0781
Travel time =    3.18 min.     TC =   11.49  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.776
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.800
Decimal fraction soil group C = 0.200
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  79.60
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.131(In/Hr) for a    10.0 year storm
Subarea runoff =     94.070(CFS) for     56.900(Ac.)
Total runoff =    102.295(CFS)    Total area =      60.900(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      202.000 to Point/Station      203.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1160.000(Ft.)
End of natural channel elevation =   1059.000(Ft.)
Length of natural channel  =  1149.000(Ft.)
Estimated mean flow rate at midpoint of channel =    120.352(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  14.88(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0879
Corrected/adjusted channel slope =  0.0879
Travel time =    1.29 min.     TC =   12.77  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.783
Decimal fraction soil group A = 0.000
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Decimal fraction soil group B = 0.550
Decimal fraction soil group C = 0.450
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  81.60
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.011(In/Hr) for a    10.0 year storm
Subarea runoff =     33.843(CFS) for     21.500(Ac.)
Total runoff =    136.137(CFS)    Total area =      82.400(Ac.)
End of computations, total study area =           82.40 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  80.2
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 10/18/21  File:RVEXC.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406
------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA "C", 100-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =  100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.300(In/Hr)
Slope of intensity duration curve = 0.5500

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      300.000 to Point/Station      301.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   977.000(Ft.)
Top (of initial area) elevation =  1290.000(Ft.)
Bottom (of initial area) elevation =  1195.000(Ft.)
Difference in elevation =    95.000(Ft.)
Slope =    0.09724  s(percent)=       9.72
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   13.264 min.
Rainfall intensity =      2.982(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.856
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  89.80
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     24.772(CFS)
Total initial stream area =        9.700(Ac.)
Pervious area fraction = 1.000

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      301.000 to Point/Station      302.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1195.000(Ft.)
End of natural channel elevation =   1060.000(Ft.)
Length of natural channel  =  1221.000(Ft.)
Estimated mean flow rate at midpoint of channel =     56.439(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  13.33(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1106
Corrected/adjusted channel slope =  0.1106
Travel time =    1.53 min.     TC =   14.79  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.856
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.900
Decimal fraction soil group C = 0.100
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  90.28
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.808(In/Hr) for a   100.0 year storm
Subarea runoff =     59.632(CFS) for     24.800(Ac.)
Total runoff =     84.404(CFS)    Total area =      34.500(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      302.000 to Point/Station      303.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1060.000(Ft.)
End of natural channel elevation =   1010.000(Ft.)
Length of natural channel  =  1160.000(Ft.)
Estimated mean flow rate at midpoint of channel =    122.446(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  10.48(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0431
Corrected/adjusted channel slope =  0.0431
Travel time =    1.85 min.     TC =   16.64  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.862
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```
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.560
Decimal fraction soil group C = 0.440
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  91.91
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.632(In/Hr) for a   100.0 year storm
Subarea runoff =     70.536(CFS) for     31.100(Ac.)
Total runoff =    154.940(CFS)    Total area =      65.600(Ac.)
End of computations, total study area =           65.60 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  80.0
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 10/18/21  File:RVEXC.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406
------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA "C", 10-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =   10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.859(In/Hr)
Slope of intensity duration curve = 0.5500

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      300.000 to Point/Station      301.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   977.000(Ft.)
Top (of initial area) elevation =  1290.000(Ft.)
Bottom (of initial area) elevation =  1195.000(Ft.)
Difference in elevation =    95.000(Ft.)
Slope =    0.09724  s(percent)=       9.72
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   13.264 min.
Rainfall intensity =      1.969(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.756
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  78.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     14.434(CFS)
Total initial stream area =        9.700(Ac.)
Pervious area fraction = 1.000

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      301.000 to Point/Station      302.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1195.000(Ft.)
End of natural channel elevation =   1060.000(Ft.)
Length of natural channel  =  1221.000(Ft.)
Estimated mean flow rate at midpoint of channel =     32.886(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  11.42(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1106
Corrected/adjusted channel slope =  0.1106
Travel time =    1.78 min.     TC =   15.05  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.753
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.900
Decimal fraction soil group C = 0.100
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  78.80
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      1.837(In/Hr) for a    10.0 year storm
Subarea runoff =     34.310(CFS) for     24.800(Ac.)
Total runoff =     48.745(CFS)    Total area =      34.500(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      302.000 to Point/Station      303.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1060.000(Ft.)
End of natural channel elevation =   1010.000(Ft.)
Length of natural channel  =  1160.000(Ft.)
Estimated mean flow rate at midpoint of channel =     70.715(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =   8.89(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0431
Corrected/adjusted channel slope =  0.0431
Travel time =    2.17 min.     TC =   17.22  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.765
Decimal fraction soil group A = 0.000
```

```
Decimal fraction soil group B = 0.560
Decimal fraction soil group C = 0.440
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  81.52
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      1.706(In/Hr) for a    10.0 year storm
Subarea runoff =     40.559(CFS) for     31.100(Ac.)
Total runoff =     89.304(CFS)    Total area =      65.600(Ac.)
End of computations, total study area =           65.60 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  80.0
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 12/21/21  File:RVEXD.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406

------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA D, 100-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =  100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.300(In/Hr)
Slope of intensity duration curve = 0.5500

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      400.000 to Point/Station      401.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   984.000(Ft.)
Top (of initial area) elevation =  1715.000(Ft.)
Bottom (of initial area) elevation =  1250.000(Ft.)
Difference in elevation =   465.000(Ft.)
Slope =    0.47256  s(percent)=      47.26
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.696 min.
Rainfall intensity =      3.542(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     25.354(CFS)
Total initial stream area =        8.130(Ac.)
Pervious area fraction = 1.000

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      401.000 to Point/Station      402.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1250.000(Ft.)
End of natural channel elevation =   1085.000(Ft.)
Length of natural channel  =  1260.000(Ft.)
Estimated mean flow rate at midpoint of channel =    119.832(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  18.14(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1310
Corrected/adjusted channel slope =  0.1310
Travel time =    1.16 min.     TC =   10.85  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.879
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.329(In/Hr) for a   100.0 year storm
Subarea runoff =    177.342(CFS) for     60.590(Ac.)
Total runoff =    202.696(CFS)    Total area =      68.720(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      402.000 to Point/Station      403.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1085.000(Ft.)
End of natural channel elevation =   1030.000(Ft.)
Length of natural channel  =   750.000(Ft.)
Estimated mean flow rate at midpoint of channel =    271.465(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  17.47(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0733
Corrected/adjusted channel slope =  0.0733
Travel time =    0.72 min.     TC =   11.57  min.
```

```
 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.877
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.120
Decimal fraction soil group C = 0.880
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.02
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.215(In/Hr) for a   100.0 year storm
Subarea runoff =    131.433(CFS) for     46.630(Ac.)
Total runoff =    334.129(CFS)    Total area =     115.350(Ac.)
End of computations, total study area =          115.35 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  85.6
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 12/21/21  File:RVEXD.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406

------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA D, 10-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =   10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.859(In/Hr)
Slope of intensity duration curve = 0.5500

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Process from Point/Station      400.000 to Point/Station      401.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   984.000(Ft.)
Top (of initial area) elevation =  1715.000(Ft.)
Bottom (of initial area) elevation =  1250.000(Ft.)
Difference in elevation =   465.000(Ft.)
Slope =    0.47256  s(percent)=      47.26
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.696 min.
Rainfall intensity =      2.340(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.824
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     15.665(CFS)
Total initial stream area =        8.130(Ac.)
Pervious area fraction = 1.000

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      401.000 to Point/Station      402.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1250.000(Ft.)
End of natural channel elevation =   1085.000(Ft.)
Length of natural channel  =  1260.000(Ft.)
Estimated mean flow rate at midpoint of channel =     74.038(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  15.71(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1310
Corrected/adjusted channel slope =  0.1310
Travel time =    1.34 min.     TC =   11.03  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.818
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.179(In/Hr) for a    10.0 year storm
Subarea runoff =    108.064(CFS) for     60.590(Ac.)
Total runoff =    123.729(CFS)    Total area =      68.720(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      402.000 to Point/Station      403.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1085.000(Ft.)
End of natural channel elevation =   1030.000(Ft.)
Length of natural channel  =   750.000(Ft.)
Estimated mean flow rate at midpoint of channel =    165.707(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  14.99(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0733
Corrected/adjusted channel slope =  0.0733
Travel time =    0.83 min.     TC =   11.87  min.
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 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.809
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.120
Decimal fraction soil group C = 0.880
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  85.04
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.093(In/Hr) for a    10.0 year storm
Subarea runoff =     79.005(CFS) for     46.630(Ac.)
Total runoff =    202.734(CFS)    Total area =     115.350(Ac.)
End of computations, total study area =          115.35 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  85.6
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 12/21/21  File:RVEXD1.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406

------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA D1, 100-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =  100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.300(In/Hr)
Slope of intensity duration curve = 0.5500

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Process from Point/Station      404.000 to Point/Station      405.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   736.000(Ft.)
Top (of initial area) elevation =  1295.000(Ft.)
Bottom (of initial area) elevation =  1155.000(Ft.)
Difference in elevation =   140.000(Ft.)
Slope =    0.19022  s(percent)=      19.02
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.356 min.
Rainfall intensity =      3.416(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     19.745(CFS)
Total initial stream area =        6.570(Ac.)
Pervious area fraction = 1.000

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Process from Point/Station      405.000 to Point/Station      406.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1155.000(Ft.)
End of natural channel elevation =   1040.000(Ft.)
Length of natural channel  =   926.000(Ft.)
Estimated mean flow rate at midpoint of channel =     38.527(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  12.66(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1242
Corrected/adjusted channel slope =  0.1242
Travel time =    1.22 min.     TC =   11.57  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.878
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.214(In/Hr) for a   100.0 year storm
Subarea runoff =     35.285(CFS) for     12.500(Ac.)
Total runoff =     55.030(CFS)    Total area =      19.070(Ac.)
End of computations, total study area =           19.07 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  86.0
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 12/21/21  File:RVEXD1.out
--------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

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Program License Serial Number 6406
--------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA D1, 10-YEAR STORM
--------------------------------------------------------------------------

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =   10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.859(In/Hr)
Slope of intensity duration curve = 0.5500


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Process from Point/Station      404.000 to Point/Station      405.000
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   736.000(Ft.)
Top (of initial area) elevation =  1295.000(Ft.)
Bottom (of initial area) elevation =  1155.000(Ft.)
Difference in elevation =   140.000(Ft.)
Slope =    0.19022  s(percent)=      19.02
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.356 min.
Rainfall intensity =      2.256(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.821
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     12.171(CFS)
Total initial stream area =        6.570(Ac.)
Pervious area fraction = 1.000

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Process from Point/Station      405.000 to Point/Station      406.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of natural channel elevation =   1155.000(Ft.)
End of natural channel elevation =   1040.000(Ft.)
Length of natural channel  =   926.000(Ft.)
Estimated mean flow rate at midpoint of channel =     23.749(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  11.06(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1242
Corrected/adjusted channel slope =  0.1242
Travel time =    1.39 min.     TC =   11.75  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.816
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.105(In/Hr) for a    10.0 year storm
Subarea runoff =     21.466(CFS) for     12.500(Ac.)
Total runoff =     33.637(CFS)    Total area =      19.070(Ac.)
End of computations, total study area =           19.07 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  86.0
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 12/12/21  File:RVEXE.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406

------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA E, 100-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =  100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.300(In/Hr)
Slope of intensity duration curve = 0.5500

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Process from Point/Station      500.000 to Point/Station      501.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   883.000(Ft.)
Top (of initial area) elevation =  1310.000(Ft.)
Bottom (of initial area) elevation =  1144.000(Ft.)
Difference in elevation =   166.000(Ft.)
Slope =    0.18800  s(percent)=      18.80
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   11.164 min.
Rainfall intensity =      3.278(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.879
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     27.252(CFS)
Total initial stream area =        9.460(Ac.)
Pervious area fraction = 1.000

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      501.000 to Point/Station      502.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1144.000(Ft.)
End of natural channel elevation =   1015.000(Ft.)
Length of natural channel  =   935.000(Ft.)
Estimated mean flow rate at midpoint of channel =     61.159(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  15.24(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1380
Corrected/adjusted channel slope =  0.1380
Travel time =    1.02 min.     TC =   12.19  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.878
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.124(In/Hr) for a   100.0 year storm
Subarea runoff =     64.547(CFS) for     23.540(Ac.)
Total runoff =     91.799(CFS)    Total area =      33.000(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      502.000 to Point/Station      503.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1015.000(Ft.)
End of natural channel elevation =   1000.000(Ft.)
Length of natural channel  =   370.000(Ft.)
Estimated mean flow rate at midpoint of channel =    145.794(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  10.71(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0405
Corrected/adjusted channel slope =  0.0405
Travel time =    0.58 min.     TC =   12.76  min.
```

```
 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.877
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.046(In/Hr) for a   100.0 year storm
Subarea runoff =    103.712(CFS) for     38.820(Ac.)
Total runoff =    195.511(CFS)    Total area =      71.820(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      503.000 to Point/Station      504.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1000.000(Ft.)
End of natural channel elevation =    975.000(Ft.)
Length of natural channel  =   324.000(Ft.)
Estimated mean flow rate at midpoint of channel =    225.320(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  16.91(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
         Normal channel slope =  0.0772
Corrected/adjusted channel slope =  0.0772
Travel time =    0.32 min.     TC =   13.08  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.877
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.004(In/Hr) for a   100.0 year storm
Subarea runoff =     57.698(CFS) for     21.900(Ac.)
Total runoff =    253.210(CFS)    Total area =      93.720(Ac.)
End of computations, total study area =           93.72 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  86.0
```

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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 12/17/21  File:RVEXE.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406

------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA E, 10-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =   10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.859(In/Hr)
Slope of intensity duration curve = 0.5500

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      500.000 to Point/Station      501.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   883.000(Ft.)
Top (of initial area) elevation =  1310.000(Ft.)
Bottom (of initial area) elevation =  1144.000(Ft.)
Difference in elevation =   166.000(Ft.)
Slope =    0.18800  s(percent)=      18.80
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   11.164 min.
Rainfall intensity =      2.165(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.818
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     16.753(CFS)
Total initial stream area =        9.460(Ac.)
Pervious area fraction = 1.000

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Process from Point/Station      501.000 to Point/Station      502.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1144.000(Ft.)
End of natural channel elevation =   1015.000(Ft.)
Length of natural channel  =   935.000(Ft.)
Estimated mean flow rate at midpoint of channel =     37.596(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  13.25(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1380
Corrected/adjusted channel slope =  0.1380
Travel time =    1.18 min.     TC =   12.34  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.814
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.049(In/Hr) for a    10.0 year storm
Subarea runoff =     39.250(CFS) for     23.540(Ac.)
Total runoff =     56.003(CFS)    Total area =      33.000(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      502.000 to Point/Station      503.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1015.000(Ft.)
End of natural channel elevation =   1000.000(Ft.)
Length of natural channel  =   370.000(Ft.)
Estimated mean flow rate at midpoint of channel =     88.943(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =   9.23(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0405
Corrected/adjusted channel slope =  0.0405
Travel time =    0.67 min.     TC =   13.01  min.
```

```
 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.812
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      1.990(In/Hr) for a    10.0 year storm
Subarea runoff =     62.701(CFS) for     38.820(Ac.)
Total runoff =    118.704(CFS)    Total area =      71.820(Ac.)


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Process from Point/Station      503.000 to Point/Station      504.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1000.000(Ft.)
End of natural channel elevation =    975.000(Ft.)
Length of natural channel  =   324.000(Ft.)
Estimated mean flow rate at midpoint of channel =    136.802(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  14.50(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
         Normal channel slope =  0.0772
Corrected/adjusted channel slope =  0.0772
Travel time =    0.37 min.     TC =   13.38  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.810
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      1.960(In/Hr) for a    10.0 year storm
Subarea runoff =     34.774(CFS) for     21.900(Ac.)
Total runoff =    153.477(CFS)    Total area =      93.720(Ac.)
End of computations, total study area =           93.72 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  86.0
```

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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 10/22/21  File:RVEXF1.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406
------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA "F-1&F-2", 100 YEAR STROM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =  100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.300(In/Hr)
Slope of intensity duration curve = 0.5500

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Process from Point/Station      600.000 to Point/Station      601.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   883.000(Ft.)
Top (of initial area) elevation =  1589.000(Ft.)
Bottom (of initial area) elevation =  1177.000(Ft.)
Difference in elevation =   412.000(Ft.)
Slope =    0.46659  s(percent)=      46.66
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.308 min.
Rainfall intensity =      3.623(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.881
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     28.399(CFS)
Total initial stream area =        8.900(Ac.)
Pervious area fraction = 1.000

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      601.000 to Point/Station      602.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1177.000(Ft.)
End of natural channel elevation =   1026.000(Ft.)
Length of natural channel  =  1079.000(Ft.)
Estimated mean flow rate at midpoint of channel =     43.555(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  13.92(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1399
Corrected/adjusted channel slope =  0.1399
Travel time =    1.29 min.     TC =   10.60  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.876
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.220
Decimal fraction soil group C = 0.780
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  93.54
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.373(In/Hr) for a   100.0 year storm
Subarea runoff =     28.072(CFS) for      9.500(Ac.)
Total runoff =     56.471(CFS)    Total area =      18.400(Ac.)
End of computations, total study area =           18.40 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  85.1
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 10/22/21  File:RVEXF1.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406
------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA "F-1&F-2", 10 YEAR STROM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =   10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.859(In/Hr)
Slope of intensity duration curve = 0.5500

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Process from Point/Station      600.000 to Point/Station      601.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   883.000(Ft.)
Top (of initial area) elevation =  1589.000(Ft.)
Bottom (of initial area) elevation =  1177.000(Ft.)
Difference in elevation =   412.000(Ft.)
Slope =    0.46659  s(percent)=      46.66
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.308 min.
Rainfall intensity =      2.393(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.825
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     17.571(CFS)
Total initial stream area =        8.900(Ac.)
Pervious area fraction = 1.000

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Process from Point/Station      601.000 to Point/Station      602.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1177.000(Ft.)
End of natural channel elevation =   1026.000(Ft.)
Length of natural channel  =  1079.000(Ft.)
Estimated mean flow rate at midpoint of channel =     26.948(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  12.16(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1399
Corrected/adjusted channel slope =  0.1399
Travel time =    1.48 min.     TC =   10.79  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.809
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.220
Decimal fraction soil group C = 0.780
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  84.24
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.206(In/Hr) for a    10.0 year storm
Subarea runoff =     16.947(CFS) for      9.500(Ac.)
Total runoff =     34.518(CFS)    Total area =      18.400(Ac.)
End of computations, total study area =           18.40 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  85.1
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 10/22/21  File:RVEXF3.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406
------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA "F-3&F-4", 100 YEAR STROM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =  100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.300(In/Hr)
Slope of intensity duration curve = 0.5500

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Process from Point/Station      603.000 to Point/Station      604.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   552.000(Ft.)
Top (of initial area) elevation =  1515.000(Ft.)
Bottom (of initial area) elevation =  1229.000(Ft.)
Difference in elevation =   286.000(Ft.)
Slope =    0.51812  s(percent)=      51.81
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.554 min.
Rainfall intensity =      4.064(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.883
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      8.252(CFS)
Total initial stream area =       2.300(Ac.)
Pervious area fraction = 1.000

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      604.000 to Point/Station      605.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1229.000(Ft.)
End of natural channel elevation =   1064.000(Ft.)
Length of natural channel  =  1317.000(Ft.)
Estimated mean flow rate at midpoint of channel =     36.594(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  12.53(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1253
Corrected/adjusted channel slope =  0.1253
Travel time =    1.75 min.     TC =    9.31  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.870
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.680
Decimal fraction soil group C = 0.320
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  91.34
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.623(In/Hr) for a   100.0 year storm
Subarea runoff =     49.788(CFS) for     15.800(Ac.)
Total runoff =     58.039(CFS)    Total area =      18.100(Ac.)
End of computations, total study area =           18.10 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  81.3
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 10/22/21  File:RVEXF3.out
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 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406
------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA "F-3&F-4", 10 YEAR STROM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =   10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.859(In/Hr)
Slope of intensity duration curve = 0.5500

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Process from Point/Station      603.000 to Point/Station      604.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   552.000(Ft.)
Top (of initial area) elevation =  1515.000(Ft.)
Bottom (of initial area) elevation =  1229.000(Ft.)
Difference in elevation =   286.000(Ft.)
Slope =    0.51812  s(percent)=      51.81
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.554 min.
Rainfall intensity =      2.684(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.833
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      5.140(CFS)
Total initial stream area =        2.300(Ac.)
Pervious area fraction = 1.000

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      604.000 to Point/Station      605.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1229.000(Ft.)
End of natural channel elevation =   1064.000(Ft.)
Length of natural channel  =  1317.000(Ft.)
Estimated mean flow rate at midpoint of channel =     22.794(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  10.99(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1253
Corrected/adjusted channel slope =  0.1253
Travel time =    2.00 min.     TC =    9.55  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.792
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.680
Decimal fraction soil group C = 0.320
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  80.56
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.359(In/Hr) for a    10.0 year storm
Subarea runoff =     29.518(CFS) for     15.800(Ac.)
Total runoff =     34.658(CFS)    Total area =      18.100(Ac.)
End of computations, total study area =           18.10 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  81.3
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 10/19/21  File:RVEXG.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406
------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA "G", 100-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =  100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.300(In/Hr)
Slope of intensity duration curve = 0.5500


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      700.000 to Point/Station      701.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   570.000(Ft.)
Top (of initial area) elevation =  1285.000(Ft.)
Bottom (of initial area) elevation =  1204.000(Ft.)
Difference in elevation =    81.000(Ft.)
Slope =    0.14211  s(percent)=      14.21
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.911 min.
Rainfall intensity =      3.500(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.877
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.200
Decimal fraction soil group C = 0.800
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  93.64
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     13.203(CFS)
Total initial stream area =        4.300(Ac.)
Pervious area fraction = 1.000

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      701.000 to Point/Station      702.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1204.000(Ft.)
End of natural channel elevation =   1119.000(Ft.)
Length of natural channel  =   620.000(Ft.)
Estimated mean flow rate at midpoint of channel =     59.262(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  15.05(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1371
Corrected/adjusted channel slope =  0.1371
Travel time =    0.69 min.     TC =   10.60  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.879
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.373(In/Hr) for a   100.0 year storm
Subarea runoff =     88.997(CFS) for     30.000(Ac.)
Total runoff =    102.200(CFS)    Total area =      34.300(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      702.000 to Point/Station      703.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1119.000(Ft.)
End of natural channel elevation =   1056.000(Ft.)
Length of natural channel  =   970.000(Ft.)
Estimated mean flow rate at midpoint of channel =    151.810(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  13.73(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0649
Corrected/adjusted channel slope =  0.0649
Travel time =    1.18 min.     TC =   11.77  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.868
Decimal fraction soil group A = 0.000
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Decimal fraction soil group B = 0.560
Decimal fraction soil group C = 0.440
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  91.91
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.184(In/Hr) for a   100.0 year storm
Subarea runoff =     92.018(CFS) for     33.300(Ac.)
Total runoff =    194.218(CFS)    Total area =      67.600(Ac.)
End of computations, total study area =           67.60 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  83.7
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
         Rational Hydrology Study        Date: 10/19/21  File:RVEXG.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406
------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA "G", 10-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =   10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.859(In/Hr)
Slope of intensity duration curve = 0.5500

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Process from Point/Station      700.000 to Point/Station      701.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   570.000(Ft.)
Top (of initial area) elevation =  1285.000(Ft.)
Bottom (of initial area) elevation =  1204.000(Ft.)
Difference in elevation =    81.000(Ft.)
Slope =    0.14211  s(percent)=      14.21
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.911 min.
Rainfall intensity =      2.312(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.813
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.200
Decimal fraction soil group C = 0.800
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  84.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      8.084(CFS)
Total initial stream area =        4.300(Ac.)
Pervious area fraction = 1.000

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Process from Point/Station      701.000 to Point/Station      702.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1204.000(Ft.)
End of natural channel elevation =   1119.000(Ft.)
Length of natural channel  =   620.000(Ft.)
Estimated mean flow rate at midpoint of channel =     36.283(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  13.08(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1371
Corrected/adjusted channel slope =  0.1371
Travel time =    0.79 min.     TC =   10.70  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.820
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  86.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.216(In/Hr) for a    10.0 year storm
Subarea runoff =     54.495(CFS) for     30.000(Ac.)
Total runoff =     62.578(CFS)    Total area =      34.300(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      702.000 to Point/Station      703.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1119.000(Ft.)
End of natural channel elevation =   1056.000(Ft.)
Length of natural channel  =   970.000(Ft.)
Estimated mean flow rate at midpoint of channel =     92.955(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  11.83(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0649
Corrected/adjusted channel slope =  0.0649
Travel time =    1.37 min.     TC =   12.07  min.


 Adding area flow to channel
```

```
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.786
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.560
Decimal fraction soil group C = 0.440
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  81.52
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.074(In/Hr) for a    10.0 year storm
Subarea runoff =     54.261(CFS) for     33.300(Ac.)
Total runoff =    116.839(CFS)    Total area =      67.600(Ac.)
End of computations, total study area =           67.60 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  83.7
```

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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 10/18/21  File:RVEXH.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406
------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA "H", 100-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =  100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.300(In/Hr)
Slope of intensity duration curve = 0.5500

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      800.000 to Point/Station      801.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   990.000(Ft.)
Top (of initial area) elevation =  1290.000(Ft.)
Bottom (of initial area) elevation =  1148.000(Ft.)
Difference in elevation =   142.000(Ft.)
Slope =    0.14343  s(percent)=      14.34
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   12.337 min.
Rainfall intensity =      3.103(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.876
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.100
Decimal fraction soil group C = 0.900
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.08
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     26.375(CFS)
Total initial stream area =        9.700(Ac.)
Pervious area fraction = 1.000

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      801.000 to Point/Station      802.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1148.000(Ft.)
End of natural channel elevation =   1079.000(Ft.)
Length of natural channel  =   762.000(Ft.)
Estimated mean flow rate at midpoint of channel =     93.129(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  13.98(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0906
Corrected/adjusted channel slope =  0.0906
Travel time =    0.91 min.     TC =   13.25  min.

 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.876
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.050
Decimal fraction soil group C = 0.950
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.24
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.984(In/Hr) for a   100.0 year storm
Subarea runoff =    128.357(CFS) for     49.100(Ac.)
Total runoff =    154.732(CFS)    Total area =      58.800(Ac.)

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      802.000 to Point/Station      803.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1079.000(Ft.)
End of natural channel elevation =   1005.000(Ft.)
Length of natural channel  =   647.000(Ft.)
Estimated mean flow rate at midpoint of channel =    257.361(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  21.46(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1144
Corrected/adjusted channel slope =  0.1144
Travel time =    0.50 min.     TC =   13.75  min.


 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.867
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.460
```

```
Decimal fraction soil group C = 0.540
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  92.39
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.923(In/Hr) for a   100.0 year storm
Subarea runoff =    197.800(CFS) for     78.000(Ac.)
Total runoff =    352.533(CFS)    Total area =     136.800(Ac.)
End of computations, total study area =          136.80 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  83.7
```

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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 10/18/21  File:RVEXH.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406
------------------------------------------------------------------------
EXISTING HYDROLOGY STUDY, RIO VISTA
DRAINAGE AREA "H", 10-YEAR STORM
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =   10.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year =  10.0
Calculated rainfall intensity data:
1 hour intensity =  0.859(In/Hr)
Slope of intensity duration curve = 0.5500
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      800.000 to Point/Station      801.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   990.000(Ft.)
Top (of initial area) elevation =  1290.000(Ft.)
Bottom (of initial area) elevation =  1148.000(Ft.)
Difference in elevation =   142.000(Ft.)
Slope =    0.14343  s(percent)=      14.34
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   12.337 min.
Rainfall intensity =      2.049(In/Hr) for a    10.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.809
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.100
Decimal fraction soil group C = 0.900
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  85.20
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     16.073(CFS)
Total initial stream area =        9.700(Ac.)
Pervious area fraction = 1.000
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      801.000 to Point/Station      802.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1148.000(Ft.)
End of natural channel elevation =   1079.000(Ft.)
Length of natural channel  =   762.000(Ft.)
Estimated mean flow rate at midpoint of channel =     56.753(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  12.08(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0906
Corrected/adjusted channel slope =  0.0906
Travel time =    1.05 min.     TC =   13.39  min.

 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.808
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.050
Decimal fraction soil group C = 0.950
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  85.60
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      1.959(In/Hr) for a    10.0 year storm
Subarea runoff =     77.680(CFS) for     49.100(Ac.)
Total runoff =     93.753(CFS)    Total area =      58.800(Ac.)

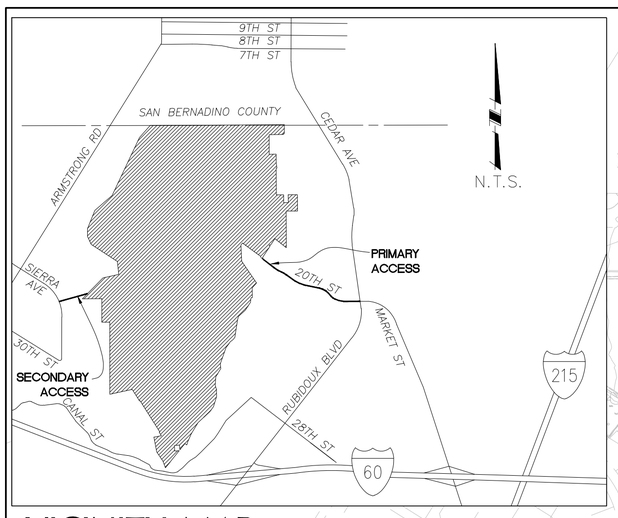

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      802.000 to Point/Station      803.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of natural channel elevation =   1079.000(Ft.)
End of natural channel elevation =   1005.000(Ft.)
Length of natural channel  =   647.000(Ft.)
Estimated mean flow rate at midpoint of channel =    155.936(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  18.37(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1144
Corrected/adjusted channel slope =  0.1144
Travel time =    0.59 min.     TC =   13.97  min.
```

```
 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.783
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.460
Decimal fraction soil group C = 0.540
Decimal fraction soil group D = 0.000
RI index for soil(AMC 2)  =  82.32
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      1.913(In/Hr) for a    10.0 year storm
Subarea runoff =    116.836(CFS) for     78.000(Ac.)
Total runoff =    210.589(CFS)    Total area =     136.800(Ac.)
End of computations, total study area =          136.80 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  83.7
```



VICINITY MAP

VICINITY MAP

ΣQ_{10} =14.6cfs
ΣQ_{100} =23.9cfs
Tc=8.3, 1310 EL.

ΣQ_{10} =102.0cfs
ΣQ_{100} =169.0cfs
Tc=9.6, 1110.0EL.

Q_{10} =17.6cfs
Q_{100} =28.4cfs
Tc=9.3, 1177 EL.

ΣQ_{10} =34.5cfs
ΣQ_{100} =56.5cfs
Tc=10,6 1026 EL.

ΣQ_{10} =34.6cfs
ΣQ_{100}=58.0cfs
Tc=9.3, 1064 EL.

Q_{10} =5.1cfs
Q_{100} =8.2cfs
Tc=7.5, 1229

Q_{10} =8.1cfs
Q_{100} =13.2cfs
Tc=9.9, 1204 EL.

ΣQ_{10} =8.2cfs
ΣQ_{100} =13.5cfs
Tc=8.3, 1335.0EL.

ΣQ_{10} =102.3cfs
ΣQ_{100} =175.6cfs
Tc=11.0, 1160.0EL.

ΣQ_{10} =136.1cfs
ΣQ_{100} =234.0cfs
Tc=12.1, 1159.0EL.

ΣQ_{10} =116.8cfs
ΣQ_{100} =194.2cfs
Tc=11.7, 1056 EL.

ΣQ_{10} =62.6cfs
ΣQ_{100} =89.0cfs
Tc=10.6, 1119 EL.

ΣQ_{10} =48.7cfs
ΣQ_{100} =84.4cfs
Tc=14.7, 1060 EL.

Q_{10} =16.1cfs
Q_{100} =26.4cfs
Tc=12.3, 1148 EL.

Q_{10} =14.4cfs
Q_{100} =24.8cfs
Tc=13.2, 1195 EL.

ΣQ_{10} =93.7cfs
ΣQ_{100} =154.7cfs
Tc=13.2, 1079 EL.

ΣQ_{10} =89.3cfs
ΣQ_{100} =154.9cfs
Tc=16.6, 1010 EL.

ΣQ_{10} =202.7cfs
ΣQ_{100} =334.1cfs
Tc=11.5, 1030 EL.

ΣQ_{10} =210.6cfs
ΣQ_{100} =352.5cfs
Tc=13.7, 1005 EL.

ΣQ_{10} =33.6cfs
ΣQ_{100} =55.0cfs
Tc=11.6, 1040 EL.

ΣQ_{10} =108.0cfs
ΣQ_{100} =202.7cfs
Tc=10.8, 1085 EL.

ΣQ_{10} =12.2cfs
ΣQ_{100} =19.7cfs
Tc=10.3, 1155 EL.

ΣQ_{10} =15.7cfs
ΣQ_{100} =25.3cfs
Tc=9.6, 1250 EL.

ΣQ_{10} =16.8cfs
ΣQ_{100} =27.3cfs
Tc=11.1, 1144 EL.

ΣQ_{10} =56.0cfs
ΣQ_{100} =91.8cfs
Tc=12.1, 1015 EL.

ΣQ_{10} =118.7cfs
ΣQ_{100} =195.5cfs
Tc=12.8, 1000 EL.

ΣQ_{10} =153.5cfs
ΣQ_{100}=253.2cfs
Tc=13.0, 975 EL.

A-2 46.6 | A-1 7.1 | B-1 4.0 | F-1 8.9 | F-2 9.5 | F-3 2.3 | F-4 15.8 | G-1 4.3 | G-2 30.0 | G-3 33.3 | B-3 21.5 | B-2 56.9 | C-1 9.7 | C-2 24.8 | H-1 9.7 | H-2 49.1 | C-3 31.1 | D-3 46.63 | H-3 78.0 | D-5 12.5 | D-24 6.57 | D-2 60.59 | D-1 8.13 | E 9.46 | E 23.54 | E 38.82 | E 21.90

SCALE: 1" = 300'

0 150 300 600

SCALE: 1" = 300'

LEGEND

- MAJOR DRAINAGE BOUNDARY
- MINOR DRAINAGE BOUNDARY
- PROJECT BOUNDARY
- NODE NUMBER
- AREA DESIGNATION / AREA ACREAGE
- Q_{100} =8.0cfs / t=15.0 — PEAK FLOW RATE / TIME OF CONCENTRATION
- ΣQ_{100} =8.0cfs / t=15.0 — PEAK CONFLUENCE FLOW RATE / TIME OF CONCENTRATION
- EXISTING STORM DRAIN
- SOIL GROUP

PREPARED FOR/OWNER:

RICHLAND COMMUNITIES

3161 MICHELSON, SUITE 425
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Tel: (949) 261-7016

PREPARED BY:

HUNSAKER & ASSOCIATES
IRVINE, INC.
PLANNING ▪ ENGINEERING ▪ SURVEYING
Three Hughes ▪ Irvine, CA 92618
FX: (949) 583-0759 ▪ PH: (949) 583-1010

EXHIBIT G
EXISTING HYDROLOGY MAP
FOR TTM 37074
RIO VISTA
CITY OF JURUPA VALLEY, CA

```
                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 01/08/22  File:BD.out
--------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

--------------------------------------------------------------------------

Program License Serial Number 6406

--------------------------------------------------------------------------
PROPOSED RATIONAL STUDY, DRAINAGE AREA B,C & D
WITH DETENTION BASIN OUTFLOWS
100 YEAR STORM, RIO VISTA DEVELOPMENT.
--------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =  100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.300(In/Hr)
Slope of intensity duration curve = 0.5500

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        1.000 to Point/Station        2.000
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   794.000(Ft.)
Top (of initial area) elevation =  1216.500(Ft.)
Bottom (of initial area) elevation =  1208.600(Ft.)
Difference in elevation =     7.900(Ft.)
Slope =    0.00995  s(percent)=       0.99
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.902 min.
Rainfall intensity =      3.321(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.891
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.580
Decimal fraction soil group C = 0.420
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  79.17
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =      2.309(CFS)
Total initial stream area =        0.780(Ac.)
Pervious area fraction = 0.100

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.000 to Point/Station        2.100
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1203.600(Ft.)
Downstream point/station elevation =  1202.700(Ft.)
Pipe length  =    18.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     2.309(CFS)
Nearest computed pipe diameter  =      9.00(In.)
Calculated individual pipe flow  =     2.309(CFS)
Normal flow depth in pipe =    5.15(In.)
Flow top width inside pipe =    8.91(In.)
Critical Depth =    8.12(In.)
Pipe flow velocity =      8.83(Ft/s)
Travel time through pipe =    0.03 min.
Time of concentration (TC) =    10.94 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.100 to Point/Station        2.100
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      0.780(Ac.)
Runoff from this stream =      2.309(CFS)
Time of concentration =   10.94 min.
Rainfall intensity =     3.316(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.110 to Point/Station        2.120
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   350.000(Ft.)
Top (of initial area) elevation =  1223.000(Ft.)
Bottom (of initial area) elevation =  1207.000(Ft.)
Difference in elevation =    16.000(Ft.)
Slope =    0.04571  s(percent)=       4.57
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.107 min.
Rainfall intensity =      3.909(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.845
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.980
Decimal fraction soil group C = 0.020
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  75.01
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =     17.636(CFS)
Total initial stream area =        5.340(Ac.)
Pervious area fraction = 0.600
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.120 to Point/Station        2.100
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1207.000(Ft.)
Downstream point/station elevation =  1202.700(Ft.)
Pipe length  =   400.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    17.636(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    17.636(CFS)
Normal flow depth in pipe =   15.54(In.)
Flow top width inside pipe =   22.93(In.)
Critical Depth =   18.17(In.)
Pipe flow velocity =      8.20(Ft/s)
Travel time through pipe =    0.81 min.
Time of concentration (TC) =     8.92 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.100 to Point/Station        2.100
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      5.340(Ac.)
Runoff from this stream =     17.636(CFS)
Time of concentration =    8.92 min.
Rainfall intensity =     3.709(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1        2.309     10.94          3.316
2       17.636      8.92          3.709
Largest stream flow has longer or shorter time of concentration
Qp =     17.636 + sum of
           Qa          Tb/Ta
            2.309 *    0.816 =      1.884
Qp =     19.519

Total of 2 main streams to confluence:
Flow rates before confluence point:
       2.309      17.636
Area of streams before confluence:
        0.780        5.340


Results of confluence:
Total flow rate =     19.519(CFS)
Time of concentration =     8.920 min.
Effective stream area after confluence  =      6.120(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        2.100 to Point/Station        3.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1202.700(Ft.)
Downstream point/station elevation =  1200.900(Ft.)
Pipe length  =    40.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    19.519(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    19.519(CFS)
Normal flow depth in pipe =   13.05(In.)
Flow top width inside pipe =   16.07(In.)
Critical depth could not be calculated.
Pipe flow velocity =     14.22(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =     8.97 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.000 to Point/Station        3.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      6.120(Ac.)
Runoff from this stream =     19.519(CFS)
Time of concentration =    8.97 min.
Rainfall intensity =     3.698(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.100 to Point/Station        3.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   850.000(Ft.)
Top (of initial area) elevation =  1525.000(Ft.)
Bottom (of initial area) elevation =  1299.700(Ft.)
Difference in elevation =   225.300(Ft.)
Slope =    0.26506  s(percent)=      26.51
TC = k(0.710)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   13.752 min.
Rainfall intensity =      2.923(In/Hr) for a   100.0 year storm
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.851
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.280
Decimal fraction soil group C = 0.720
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  88.72
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     12.532(CFS)
Total initial stream area =        5.040(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station        3.200 to Point/Station        3.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1299.700(Ft.)
Downstream point/station elevation =  1299.500(Ft.)
Pipe length  =    28.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    12.532(CFS)
Nearest computed pipe diameter  =     21.00(In.)
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Calculated individual pipe flow  =    12.532(CFS)
Normal flow depth in pipe =   16.13(In.)
Flow top width inside pipe =   17.73(In.)
Critical Depth =   15.83(In.)
Pipe flow velocity =      6.33(Ft/s)
Travel time through pipe =    0.07 min.
Time of concentration (TC) =    13.83 min.


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Process from Point/Station        3.300 to Point/Station        3.300
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.855
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.120
Decimal fraction soil group C = 0.880
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  83.46
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    13.83 min.
Rainfall intensity =      2.914(In/Hr) for a   100.0 year storm
Subarea runoff =      2.642(CFS) for      1.060(Ac.)
Total runoff =     15.174(CFS)    Total area =       6.100(Ac.)


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Process from Point/Station        3.300 to Point/Station        3.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1299.500(Ft.)
Downstream point/station elevation =  1229.500(Ft.)
Pipe length  =   700.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    15.174(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    15.174(CFS)
Normal flow depth in pipe =    9.63(In.)
Flow top width inside pipe =   14.38(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.24(Ft/s)
Travel time through pipe =    0.64 min.
Time of concentration (TC) =    14.47 min.


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Process from Point/Station        3.400 to Point/Station        3.400
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.832
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.840
Decimal fraction soil group C = 0.160
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  76.46
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    14.47 min.
Rainfall intensity =      2.843(In/Hr) for a   100.0 year storm
Subarea runoff =      4.990(CFS) for      2.110(Ac.)
Total runoff =     20.164(CFS)    Total area =       8.210(Ac.)


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Process from Point/Station        3.400 to Point/Station        3.400
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.892
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.280
Decimal fraction soil group C = 0.720
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  82.22
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    14.47 min.
Rainfall intensity =      2.843(In/Hr) for a   100.0 year storm
Subarea runoff =      4.994(CFS) for      1.970(Ac.)
Total runoff =     25.157(CFS)    Total area =      10.180(Ac.)


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Process from Point/Station        3.400 to Point/Station        3.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1229.500(Ft.)
Downstream point/station elevation =  1219.500(Ft.)
Pipe length  =   860.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    25.157(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    25.157(CFS)
Normal flow depth in pipe =   20.44(In.)
Flow top width inside pipe =   17.07(In.)
Critical Depth =   21.19(In.)
Pipe flow velocity =      8.83(Ft/s)
Travel time through pipe =    1.62 min.
Time of concentration (TC) =    16.09 min.


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Process from Point/Station        3.500 to Point/Station        3.500
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.823
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    16.09 min.
Rainfall intensity =      2.681(In/Hr) for a   100.0 year storm
Subarea runoff =     29.288(CFS) for     13.280(Ac.)
Total runoff =     54.445(CFS)    Total area =      23.460(Ac.)
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Process from Point/Station        3.500 to Point/Station        3.600
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1219.500(Ft.)
Downstream point/station elevation =  1214.260(Ft.)
Pipe length  =   157.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    54.445(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =    54.445(CFS)
Normal flow depth in pipe =   21.28(In.)
Flow top width inside pipe =   22.06(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.21(Ft/s)
Travel time through pipe =    0.16 min.
Time of concentration (TC) =    16.25 min.


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Process from Point/Station        3.600 to Point/Station        3.600
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.822
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    16.25 min.
Rainfall intensity =      2.667(In/Hr) for a   100.0 year storm
Subarea runoff =      7.279(CFS) for      3.320(Ac.)
Total runoff =     61.724(CFS)    Total area =      26.780(Ac.)


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Process from Point/Station        3.600 to Point/Station        3.600
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.822
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    16.25 min.
Rainfall intensity =      2.667(In/Hr) for a   100.0 year storm
Subarea runoff =      1.798(CFS) for      0.820(Ac.)
Total runoff =     63.521(CFS)    Total area =      27.600(Ac.)


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Process from Point/Station        3.600 to Point/Station        3.700
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1214.260(Ft.)
Downstream point/station elevation =  1214.000(Ft.)
Pipe length  =    40.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    63.521(CFS)
Nearest computed pipe diameter  =     39.00(In.)
Calculated individual pipe flow  =    63.521(CFS)
Normal flow depth in pipe =   30.47(In.)
Flow top width inside pipe =   32.25(In.)
Critical Depth =   30.50(In.)
Pipe flow velocity =      9.13(Ft/s)
Travel time through pipe =    0.07 min.
Time of concentration (TC) =    16.32 min.


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Process from Point/Station        3.700 to Point/Station        3.700
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.887
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    16.32 min.
Rainfall intensity =      2.660(In/Hr) for a   100.0 year storm
Subarea runoff =      3.917(CFS) for      1.660(Ac.)
Total runoff =     67.438(CFS)    Total area =      29.260(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.700 to Point/Station        3.700
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.887
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    16.32 min.
Rainfall intensity =      2.660(In/Hr) for a   100.0 year storm
Subarea runoff =      2.690(CFS) for      1.140(Ac.)
Total runoff =     70.128(CFS)    Total area =      30.400(Ac.)


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Process from Point/Station        3.700 to Point/Station        3.800
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1214.000(Ft.)
Downstream point/station elevation =  1201.400(Ft.)
Pipe length  =   285.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    70.128(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =    70.128(CFS)
Normal flow depth in pipe =   20.53(In.)
Flow top width inside pipe =   27.89(In.)
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Critical depth could not be calculated.
Pipe flow velocity =     19.57(Ft/s)
Travel time through pipe =    0.24 min.
Time of concentration (TC) =    16.57 min.


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Process from Point/Station        3.800 to Point/Station        3.800
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.887
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    16.57 min.
Rainfall intensity =      2.639(In/Hr) for a   100.0 year storm
Subarea runoff =      1.193(CFS) for      0.510(Ac.)
Total runoff =     71.321(CFS)    Total area =      30.910(Ac.)


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Process from Point/Station        3.800 to Point/Station        3.800
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.888
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.900
Decimal fraction soil group C = 0.100
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  75.84
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    16.57 min.
Rainfall intensity =      2.639(In/Hr) for a   100.0 year storm
Subarea runoff =      5.199(CFS) for      2.220(Ac.)
Total runoff =     76.520(CFS)    Total area =      33.130(Ac.)


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Process from Point/Station        3.800 to Point/Station        3.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1201.400(Ft.)
Downstream point/station elevation =  1200.900(Ft.)
Pipe length  =   135.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    76.520(CFS)
Nearest computed pipe diameter  =     45.00(In.)
Calculated individual pipe flow  =    76.520(CFS)
Normal flow depth in pipe =   38.72(In.)
Flow top width inside pipe =   31.19(In.)
Critical Depth =   32.34(In.)
Pipe flow velocity =      7.57(Ft/s)
Travel time through pipe =    0.30 min.
Time of concentration (TC) =    16.86 min.


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Process from Point/Station        3.000 to Point/Station        3.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     33.130(Ac.)
Runoff from this stream =     76.520(CFS)
Time of concentration =   16.86 min.
Rainfall intensity =     2.613(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       19.519      8.97           3.698
2       76.520     16.86           2.613
Largest stream flow has longer time of concentration
Qp =     76.520 + sum of
           Qb         Ia/Ib
           19.519 *    0.707 =     13.792
Qp =     90.312

Total of 2 main streams to confluence:
Flow rates before confluence point:
      19.519      76.520
Area of streams before confluence:
        6.120       33.130


Results of confluence:
Total flow rate =     90.312(CFS)
Time of concentration =    16.863 min.
Effective stream area after confluence  =     39.250(Ac.)


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Process from Point/Station        3.000 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1200.900(Ft.)
Downstream point/station elevation =  1199.300(Ft.)
Pipe length  =   188.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    90.312(CFS)
Nearest computed pipe diameter  =     42.00(In.)
Calculated individual pipe flow  =    90.312(CFS)
Normal flow depth in pipe =   33.47(In.)
Flow top width inside pipe =   33.80(In.)
Critical Depth =   35.37(In.)
Pipe flow velocity =     10.99(Ft/s)
Travel time through pipe =    0.29 min.
Time of concentration (TC) =    17.15 min.
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Process from Point/Station        4.000 to Point/Station        4.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     39.250(Ac.)
Runoff from this stream =     90.312(CFS)
Time of concentration =   17.15 min.
Rainfall intensity =     2.589(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station        4.100 to Point/Station        4.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   862.000(Ft.)
Top (of initial area) elevation =  1220.000(Ft.)
Bottom (of initial area) elevation =  1199.800(Ft.)
Difference in elevation =    20.200(Ft.)
Slope =    0.02343  s(percent)=       2.34
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   12.340 min.
Rainfall intensity =      3.103(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.865
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.130
Decimal fraction soil group C = 0.870
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  83.39
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =     18.882(CFS)
Total initial stream area =        7.040(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station        4.200 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1199.800(Ft.)
Downstream point/station elevation =  1199.300(Ft.)
Pipe length  =    47.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    18.882(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    18.882(CFS)
Normal flow depth in pipe =   16.38(In.)
Flow top width inside pipe =   22.34(In.)
Critical Depth =   18.77(In.)
Pipe flow velocity =      8.27(Ft/s)
Travel time through pipe =    0.09 min.
Time of concentration (TC) =    12.43 min.


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Process from Point/Station        4.000 to Point/Station        4.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      7.040(Ac.)
Runoff from this stream =     18.882(CFS)
Time of concentration =   12.43 min.
Rainfall intensity =     3.089(In/Hr)
Program is now starting with Main Stream No. 3


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Process from Point/Station        4.300 to Point/Station        4.400
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   630.000(Ft.)
Top (of initial area) elevation =  1214.000(Ft.)
Bottom (of initial area) elevation =  1201.000(Ft.)
Difference in elevation =    13.000(Ft.)
Slope =    0.02063  s(percent)=       2.06
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   11.166 min.
Rainfall intensity =      3.278(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.846
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =     11.089(CFS)
Total initial stream area =        4.000(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station        4.400 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1201.000(Ft.)
Downstream point/station elevation =  1199.300(Ft.)
Pipe length  =    55.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    11.089(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    11.089(CFS)
Normal flow depth in pipe =   11.98(In.)
Flow top width inside pipe =   12.04(In.)
Critical depth could not be calculated.
Pipe flow velocity =     10.55(Ft/s)
Travel time through pipe =    0.09 min.
Time of concentration (TC) =    11.25 min.


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Process from Point/Station        4.000 to Point/Station        4.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 3
Stream flow area =      4.000(Ac.)
Runoff from this stream =     11.089(CFS)
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Time of concentration =   11.25 min.
Rainfall intensity =     3.264(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       90.312     17.15           2.589
2       18.882     12.43           3.089
3       11.089     11.25           3.264
Largest stream flow has longer time of concentration
Qp =     90.312 + sum of
           Qb         Ia/Ib
           18.882 *    0.838 =     15.823
           Qb         Ia/Ib
           11.089 *    0.793 =      8.796
Qp =    114.930

Total of 3 main streams to confluence:
Flow rates before confluence point:
      90.312      18.882      11.089
Area of streams before confluence:
       39.250        7.040        4.000


Results of confluence:
Total flow rate =    114.930(CFS)
Time of concentration =    17.148 min.
Effective stream area after confluence  =     50.290(Ac.)


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Process from Point/Station        4.000 to Point/Station        5.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1199.300(Ft.)
Downstream point/station elevation =  1194.520(Ft.)
Pipe length  =   492.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   114.930(CFS)
Nearest computed pipe diameter  =     45.00(In.)
Calculated individual pipe flow  =   114.930(CFS)
Normal flow depth in pipe =   35.53(In.)
Flow top width inside pipe =   36.68(In.)
Critical Depth =   38.95(In.)
Pipe flow velocity =     12.29(Ft/s)
Travel time through pipe =    0.67 min.
Time of concentration (TC) =    17.81 min.


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Process from Point/Station        5.000 to Point/Station        5.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.857
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.160
Decimal fraction soil group C = 0.840
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  83.15
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    17.81 min.
Rainfall intensity =      2.535(In/Hr) for a   100.0 year storm
Subarea runoff =      2.280(CFS) for      1.050(Ac.)
Total runoff =    117.210(CFS)    Total area =      51.340(Ac.)


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Process from Point/Station        5.000 to Point/Station        5.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.890
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.360
Decimal fraction soil group C = 0.640
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  81.46
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    17.81 min.
Rainfall intensity =      2.535(In/Hr) for a   100.0 year storm
Subarea runoff =      1.129(CFS) for      0.500(Ac.)
Total runoff =    118.339(CFS)    Total area =      51.840(Ac.)


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Process from Point/Station        5.000 to Point/Station        6.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1194.520(Ft.)
Downstream point/station elevation =  1173.300(Ft.)
Pipe length  =   510.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   118.339(CFS)
Nearest computed pipe diameter  =     36.00(In.)
Calculated individual pipe flow  =   118.339(CFS)
Normal flow depth in pipe =   25.97(In.)
Flow top width inside pipe =   32.28(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.68(Ft/s)
Travel time through pipe =    0.39 min.
Time of concentration (TC) =    18.21 min.


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Process from Point/Station        6.000 to Point/Station        6.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.860
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    18.21 min.
Rainfall intensity =      2.505(In/Hr) for a   100.0 year storm
Subarea runoff =      4.652(CFS) for      2.160(Ac.)
Total runoff =    122.990(CFS)    Total area =      54.000(Ac.)
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Process from Point/Station        6.000 to Point/Station        6.000
**** SUBAREA FLOW ADDITION ****
_____________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.844
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.590
Decimal fraction soil group C = 0.410
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  79.06
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    18.21 min.
Rainfall intensity =      2.505(In/Hr) for a   100.0 year storm
Subarea runoff =      5.225(CFS) for      2.470(Ac.)
Total runoff =    128.215(CFS)    Total area =      56.470(Ac.)


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Process from Point/Station        6.000 to Point/Station        7.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
_____________________________________________________________________________
Upstream point/station elevation =  1173.300(Ft.)
Downstream point/station elevation =  1152.000(Ft.)
Pipe length  =   313.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   128.215(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =   128.215(CFS)
Normal flow depth in pipe =   25.17(In.)
Flow top width inside pipe =   28.07(In.)
Critical depth could not be calculated.
Pipe flow velocity =     26.38(Ft/s)
Travel time through pipe =    0.20 min.
Time of concentration (TC) =    18.40 min.


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Process from Point/Station        7.000 to Point/Station        7.000
**** SUBAREA FLOW ADDITION ****
_____________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.859
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    18.40 min.
Rainfall intensity =      2.490(In/Hr) for a   100.0 year storm
Subarea runoff =      2.590(CFS) for      1.210(Ac.)
Total runoff =    130.805(CFS)    Total area =      57.680(Ac.)


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Process from Point/Station        7.000 to Point/Station        7.000
**** SUBAREA FLOW ADDITION ****
_____________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.852
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.330
Decimal fraction soil group C = 0.670
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  81.77
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    18.40 min.
Rainfall intensity =      2.490(In/Hr) for a   100.0 year storm
Subarea runoff =      8.677(CFS) for      4.090(Ac.)
Total runoff =    139.482(CFS)    Total area =      61.770(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        7.000 to Point/Station        8.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
_____________________________________________________________________________
Upstream point/station elevation =  1152.000(Ft.)
Downstream point/station elevation =  1120.000(Ft.)
Pipe length  =   410.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   139.482(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =   139.482(CFS)
Normal flow depth in pipe =   25.55(In.)
Flow top width inside pipe =   27.60(In.)
Critical depth could not be calculated.
Pipe flow velocity =     28.30(Ft/s)
Travel time through pipe =    0.24 min.
Time of concentration (TC) =    18.65 min.


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Process from Point/Station        8.000 to Point/Station        8.000
**** SUBAREA FLOW ADDITION ****
_____________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.859
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    18.65 min.
Rainfall intensity =      2.472(In/Hr) for a   100.0 year storm
Subarea runoff =      3.186(CFS) for      1.500(Ac.)
Total runoff =    142.668(CFS)    Total area =      63.270(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        8.000 to Point/Station        9.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
_____________________________________________________________________________
Upstream point/station elevation =  1120.000(Ft.)
Downstream point/station elevation =  1109.000(Ft.)
Pipe length  =   410.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   142.668(CFS)
Nearest computed pipe diameter  =     39.00(In.)
Calculated individual pipe flow  =   142.668(CFS)
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Normal flow depth in pipe =   34.31(In.)
Flow top width inside pipe =   25.36(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.44(Ft/s)
Travel time through pipe =    0.37 min.
Time of concentration (TC) =    19.02 min.


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Process from Point/Station        9.000 to Point/Station        9.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.841
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.670
Decimal fraction soil group C = 0.330
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  78.23
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.02 min.
Rainfall intensity =      2.446(In/Hr) for a   100.0 year storm
Subarea runoff =      6.456(CFS) for      3.140(Ac.)
Total runoff =    149.125(CFS)    Total area =      66.410(Ac.)


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Process from Point/Station        9.000 to Point/Station       10.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1109.000(Ft.)
Downstream point/station elevation =  1100.000(Ft.)
Pipe length  =   310.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   149.125(CFS)
Nearest computed pipe diameter  =     39.00(In.)
Calculated individual pipe flow  =   149.125(CFS)
Normal flow depth in pipe =   34.69(In.)
Flow top width inside pipe =   24.46(In.)
Critical depth could not be calculated.
Pipe flow velocity =     19.13(Ft/s)
Travel time through pipe =    0.27 min.
Time of concentration (TC) =    19.29 min.


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Process from Point/Station       10.000 to Point/Station       10.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.859
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.29 min.
Rainfall intensity =      2.427(In/Hr) for a   100.0 year storm
Subarea runoff =      3.479(CFS) for      1.670(Ac.)
Total runoff =    152.604(CFS)    Total area =      68.080(Ac.)


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Process from Point/Station       10.000 to Point/Station       11.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1100.000(Ft.)
Downstream point/station elevation =  1091.200(Ft.)
Pipe length  =   340.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   152.604(CFS)
Nearest computed pipe diameter  =     42.00(In.)
Calculated individual pipe flow  =   152.604(CFS)
Normal flow depth in pipe =   32.44(In.)
Flow top width inside pipe =   35.22(In.)
Critical depth could not be calculated.
Pipe flow velocity =     19.13(Ft/s)
Travel time through pipe =    0.30 min.
Time of concentration (TC) =    19.58 min.


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Process from Point/Station       11.000 to Point/Station       11.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.858
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.58 min.
Rainfall intensity =      2.407(In/Hr) for a   100.0 year storm
Subarea runoff =      3.222(CFS) for      1.560(Ac.)
Total runoff =    155.826(CFS)    Total area =      69.640(Ac.)


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Process from Point/Station       11.000 to Point/Station       11.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.857
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.050
Decimal fraction soil group C = 0.950
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.01
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.58 min.
Rainfall intensity =      2.407(In/Hr) for a   100.0 year storm
Subarea runoff =      4.001(CFS) for      1.940(Ac.)
Total runoff =    159.827(CFS)    Total area =      71.580(Ac.)
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Process from Point/Station       11.000 to Point/Station       12.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1091.200(Ft.)
Downstream point/station elevation =  1082.000(Ft.)
Pipe length  =   322.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   159.827(CFS)
Nearest computed pipe diameter  =     42.00(In.)
Calculated individual pipe flow  =   159.827(CFS)
Normal flow depth in pipe =   32.34(In.)
Flow top width inside pipe =   35.35(In.)
Critical depth could not be calculated.
Pipe flow velocity =     20.10(Ft/s)
Travel time through pipe =    0.27 min.
Time of concentration (TC) =    19.85 min.


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Process from Point/Station       12.000 to Point/Station       12.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.849
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.380
Decimal fraction soil group C = 0.620
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  81.25
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.85 min.
Rainfall intensity =      2.389(In/Hr) for a   100.0 year storm
Subarea runoff =      4.602(CFS) for      2.270(Ac.)
Total runoff =    164.429(CFS)    Total area =      73.850(Ac.)


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Process from Point/Station       12.000 to Point/Station       13.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1082.000(Ft.)
Downstream point/station elevation =  1068.000(Ft.)
Pipe length  =    60.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   164.429(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =   164.429(CFS)
Normal flow depth in pipe =   20.86(In.)
Flow top width inside pipe =   27.62(In.)
Critical depth could not be calculated.
Pipe flow velocity =     45.13(Ft/s)
Travel time through pipe =    0.02 min.
Time of concentration (TC) =    19.87 min.


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Process from Point/Station       13.000 to Point/Station       13.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.829
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    19.87 min.
Rainfall intensity =      2.387(In/Hr) for a   100.0 year storm
Subarea runoff =     10.584(CFS) for      5.350(Ac.)
Total runoff =    175.013(CFS)    Total area =      79.200(Ac.)


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Process from Point/Station       13.000 to Point/Station       13.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     79.200(Ac.)
Runoff from this stream =    175.013(CFS)
Time of concentration =   19.87 min.
Rainfall intensity =     2.387(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station       13.100 to Point/Station       13.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   434.000(Ft.)
Top (of initial area) elevation =  1094.000(Ft.)
Bottom (of initial area) elevation =  1078.000(Ft.)
Difference in elevation =    16.000(Ft.)
Slope =    0.03687  s(percent)=       3.69
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.565 min.
Rainfall intensity =      3.792(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.873
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =      4.533(CFS)
Total initial stream area =        1.370(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station       13.200 to Point/Station       13.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1078.000(Ft.)
Downstream point/station elevation =  1077.500(Ft.)
Pipe length  =    20.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     4.533(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =     4.533(CFS)
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Normal flow depth in pipe =    8.16(In.)
Flow top width inside pipe =   11.20(In.)
Critical Depth =   10.66(In.)
Pipe flow velocity =      7.98(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =     8.61 min.


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Process from Point/Station       13.300 to Point/Station       13.300
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.872
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     8.61 min.
Rainfall intensity =      3.782(In/Hr) for a   100.0 year storm
Subarea runoff =      4.092(CFS) for      1.240(Ac.)
Total runoff =      8.625(CFS)    Total area =       2.610(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       13.300 to Point/Station       13.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1077.500(Ft.)
Downstream point/station elevation =  1074.000(Ft.)
Pipe length  =   275.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     8.625(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =     8.625(CFS)
Normal flow depth in pipe =   11.39(In.)
Flow top width inside pipe =   17.35(In.)
Critical Depth =   13.65(In.)
Pipe flow velocity =      7.31(Ft/s)
Travel time through pipe =    0.63 min.
Time of concentration (TC) =     9.23 min.


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Process from Point/Station       13.400 to Point/Station       13.400
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.871
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     9.23 min.
Rainfall intensity =      3.639(In/Hr) for a   100.0 year storm
Subarea runoff =      6.342(CFS) for      2.000(Ac.)
Total runoff =     14.968(CFS)    Total area =       4.610(Ac.)


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Process from Point/Station       13.400 to Point/Station       13.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1074.000(Ft.)
Downstream point/station elevation =  1073.000(Ft.)
Pipe length  =    74.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    14.968(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    14.968(CFS)
Normal flow depth in pipe =   14.37(In.)
Flow top width inside pipe =   19.52(In.)
Critical Depth =   17.21(In.)
Pipe flow velocity =      8.53(Ft/s)
Travel time through pipe =    0.14 min.
Time of concentration (TC) =     9.38 min.


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Process from Point/Station       13.500 to Point/Station       13.500
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.871
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     9.38 min.
Rainfall intensity =      3.608(In/Hr) for a   100.0 year storm
Subarea runoff =      4.904(CFS) for      1.560(Ac.)
Total runoff =     19.871(CFS)    Total area =       6.170(Ac.)


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Process from Point/Station       13.500 to Point/Station       13.500
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.871
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     9.38 min.
Rainfall intensity =      3.608(In/Hr) for a   100.0 year storm
Subarea runoff =      4.935(CFS) for      1.570(Ac.)
Total runoff =     24.807(CFS)    Total area =       7.740(Ac.)
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Process from Point/Station       13.500 to Point/Station       13.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1073.000(Ft.)
Downstream point/station elevation =  1068.000(Ft.)
Pipe length  =   395.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    24.807(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    24.807(CFS)
Normal flow depth in pipe =   19.13(In.)
Flow top width inside pipe =   19.31(In.)
Critical Depth =   21.09(In.)
Pipe flow velocity =      9.23(Ft/s)
Travel time through pipe =    0.71 min.
Time of concentration (TC) =    10.09 min.


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Process from Point/Station       13.000 to Point/Station       13.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      7.740(Ac.)
Runoff from this stream =     24.807(CFS)
Time of concentration =   10.09 min.
Rainfall intensity =     3.465(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      175.013     19.87          2.387
2       24.807     10.09          3.465
Largest stream flow has longer time of concentration
Qp =    175.013 + sum of
           Qb         Ia/Ib
           24.807 *    0.689 =     17.088
Qp =    192.101

Total of 2 main streams to confluence:
Flow rates before confluence point:
     175.013      24.807
Area of streams before confluence:
       79.200        7.740


Results of confluence:
Total flow rate =    192.101(CFS)
Time of concentration =    19.872 min.
Effective stream area after confluence  =     86.940(Ac.)


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Process from Point/Station       13.000 to Point/Station       14.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1068.000(Ft.)
Downstream point/station elevation =  1067.000(Ft.)
Pipe length  =   274.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   192.101(CFS)
Nearest computed pipe diameter  =     66.00(In.)
Calculated individual pipe flow  =   192.101(CFS)
Normal flow depth in pipe =   51.19(In.)
Flow top width inside pipe =   55.07(In.)
Critical Depth =   46.56(In.)
Pipe flow velocity =      9.71(Ft/s)
Travel time through pipe =    0.47 min.
Time of concentration (TC) =    20.34 min.


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Process from Point/Station       14.000 to Point/Station       14.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     86.940(Ac.)
Runoff from this stream =    192.101(CFS)
Time of concentration =   20.34 min.
Rainfall intensity =     2.357(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station       30.000 to Point/Station       30.100
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   620.000(Ft.)
Top (of initial area) elevation =  1250.000(Ft.)
Bottom (of initial area) elevation =  1209.000(Ft.)
Difference in elevation =    41.000(Ft.)
Slope =    0.06613  s(percent)=       6.61
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    6.761 min.
Rainfall intensity =      4.319(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.892
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =     22.682(CFS)
Total initial stream area =        5.890(Ac.)
Pervious area fraction = 0.100


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Process from Point/Station       30.100 to Point/Station       31.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of street segment elevation =  1218.000(Ft.)
End of street segment elevation =  1200.000(Ft.)
Length of street segment  =   515.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  18.000(Ft.)
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Distance from crown to crossfall grade break  =  14.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  10.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   1.500(Ft.)
Gutter hike from flowline =  0.360(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     35.758(CFS)
Depth of flow =   0.353(Ft.), Average velocity =   5.748(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  17.637(Ft.)
Flow velocity =   5.75(Ft/s)
Travel time =    1.49 min.     TC =    8.25  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.891
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      3.870(In/Hr) for a   100.0 year storm
Subarea runoff =     25.957(CFS) for      7.530(Ac.)
Total runoff =     48.639(CFS)    Total area =      13.420(Ac.)
Street flow at end of street =     48.639(CFS)
Half street flow at end of street =     24.319(CFS)
Depth of flow =   0.390(Ft.), Average velocity =   6.443(Ft/s)
Note:  depth of flow exceeds top of street crown.
Flow width (from curb towards crown)=  18.000(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       31.000 to Point/Station       32.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1192.000(Ft.)
Downstream point/station elevation =  1170.400(Ft.)
Pipe length  =   174.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    48.639(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    48.639(CFS)
Normal flow depth in pipe =   15.16(In.)
Flow top width inside pipe =   18.81(In.)
Critical depth could not be calculated.
Pipe flow velocity =     26.15(Ft/s)
Travel time through pipe =    0.11 min.
Time of concentration (TC) =     8.37 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       32.000 to Point/Station       32.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.891
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =     8.37 min.
Rainfall intensity =      3.842(In/Hr) for a   100.0 year storm
Subarea runoff =      6.159(CFS) for      1.800(Ac.)
Total runoff =     54.798(CFS)    Total area =      15.220(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       32.000 to Point/Station       33.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1170.400(Ft.)
Downstream point/station elevation =  1142.000(Ft.)
Pipe length  =   756.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    54.798(CFS)
Nearest computed pipe diameter  =     27.00(In.)
Calculated individual pipe flow  =    54.798(CFS)
Normal flow depth in pipe =   20.27(In.)
Flow top width inside pipe =   23.36(In.)
Critical depth could not be calculated.
Pipe flow velocity =     17.11(Ft/s)
Travel time through pipe =    0.74 min.
Time of concentration (TC) =     9.10 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       33.000 to Point/Station       33.000
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     15.220(Ac.)
Runoff from this stream =     54.798(CFS)
Time of concentration =    9.10 min.
Rainfall intensity =     3.668(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       33.100 to Point/Station       33.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   755.000(Ft.)
Top (of initial area) elevation =  1210.000(Ft.)
Bottom (of initial area) elevation =  1163.000(Ft.)
Difference in elevation =    47.000(Ft.)
Slope =    0.06225  s(percent)=       6.23
TC = k(0.940)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   23.199 min.
Rainfall intensity =      2.192(In/Hr) for a   100.0 year storm
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.775
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.980
Decimal fraction soil group C = 0.020
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  79.01
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Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     22.609(CFS)
Total initial stream area =       13.310(Ac.)
Pervious area fraction = 1.000


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       33.200 to Point/Station       33.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1163.000(Ft.)
Downstream point/station elevation =  1144.000(Ft.)
Pipe length  =   150.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    22.609(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    22.609(CFS)
Normal flow depth in pipe =   12.07(In.)
Flow top width inside pipe =   11.89(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.36(Ft/s)
Travel time through pipe =    0.12 min.
Time of concentration (TC) =    23.32 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       33.300 to Point/Station       33.300
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.886
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.800
Decimal fraction soil group C = 0.200
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  76.88
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    23.32 min.
Rainfall intensity =      2.186(In/Hr) for a   100.0 year storm
Subarea runoff =      6.238(CFS) for      3.220(Ac.)
Total runoff =     28.847(CFS)    Total area =      16.530(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       33.300 to Point/Station       33.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1144.000(Ft.)
Downstream point/station elevation =  1143.000(Ft.)
Pipe length  =    20.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    28.847(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    28.847(CFS)
Normal flow depth in pipe =   14.39(In.)
Flow top width inside pipe =   19.51(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.42(Ft/s)
Travel time through pipe =    0.02 min.
Time of concentration (TC) =    23.34 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       33.400 to Point/Station       33.400
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
COMMERCIAL subarea type
Runoff Coefficient = 0.885
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.890
Decimal fraction soil group C = 0.110
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  75.94
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    23.34 min.
Rainfall intensity =      2.185(In/Hr) for a   100.0 year storm
Subarea runoff =      4.470(CFS) for      2.310(Ac.)
Total runoff =     33.316(CFS)    Total area =      18.840(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       33.400 to Point/Station       33.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1143.000(Ft.)
Downstream point/station elevation =  1142.000(Ft.)
Pipe length  =   237.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    33.316(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    33.316(CFS)
Normal flow depth in pipe =   26.20(In.)
Flow top width inside pipe =   26.69(In.)
Critical Depth =   23.05(In.)
Pipe flow velocity =      6.59(Ft/s)
Travel time through pipe =    0.60 min.
Time of concentration (TC) =    23.94 min.


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Process from Point/Station       33.000 to Point/Station       33.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =     18.840(Ac.)
Runoff from this stream =     33.316(CFS)
Time of concentration =   23.94 min.
Rainfall intensity =     2.155(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       54.798      9.10                 3.668
2       33.316     23.94                 2.155
Largest stream flow has longer or shorter time of concentration
Qp =     54.798 + sum of
           Qa          Tb/Ta
           33.316 *    0.380 =     12.668
Qp =     67.466

Total of 2 streams to confluence:
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Flow rates before confluence point:
      54.798      33.316
Area of streams before confluence:
       15.220       18.840
Results of confluence:
Total flow rate =     67.466(CFS)
Time of concentration =     9.101 min.
Effective stream area after confluence =     34.060(Ac.)


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Process from Point/Station       33.000 to Point/Station       14.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1142.000(Ft.)
Downstream point/station elevation =  1067.000(Ft.)
Pipe length  =   210.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    67.466(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    67.466(CFS)
Normal flow depth in pipe =   13.10(In.)
Flow top width inside pipe =   20.35(In.)
Critical depth could not be calculated.
Pipe flow velocity =     42.76(Ft/s)
Travel time through pipe =    0.08 min.
Time of concentration (TC) =     9.18 min.


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Process from Point/Station       14.000 to Point/Station       14.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     34.060(Ac.)
Runoff from this stream =     67.466(CFS)
Time of concentration =    9.18 min.
Rainfall intensity =     3.650(In/Hr)
Program is now starting with Main Stream No. 3


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       20.000 to Point/Station       21.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   449.000(Ft.)
Top (of initial area) elevation =  1083.200(Ft.)
Bottom (of initial area) elevation =  1070.600(Ft.)
Difference in elevation =    12.600(Ft.)
Slope =    0.02806  s(percent)=       2.81
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.169 min.
Rainfall intensity =      3.653(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.865
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.400
Decimal fraction soil group C = 0.600
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  81.04
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =      5.306(CFS)
Total initial stream area =        1.680(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station       21.000 to Point/Station       22.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1070.600(Ft.)
Downstream point/station elevation =  1070.000(Ft.)
Pipe length  =   110.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     5.306(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =     5.306(CFS)
Normal flow depth in pipe =   10.92(In.)
Flow top width inside pipe =   17.58(In.)
Critical Depth =   10.65(In.)
Pipe flow velocity =      4.73(Ft/s)
Travel time through pipe =    0.39 min.
Time of concentration (TC) =     9.56 min.


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Process from Point/Station       22.000 to Point/Station       22.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.871
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     9.56 min.
Rainfall intensity =      3.571(In/Hr) for a   100.0 year storm
Subarea runoff =      5.193(CFS) for      1.670(Ac.)
Total runoff =     10.499(CFS)    Total area =       3.350(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       22.000 to Point/Station       22.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.857
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.700
Decimal fraction soil group C = 0.300
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  77.92
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =     9.56 min.
Rainfall intensity =      3.571(In/Hr) for a   100.0 year storm
Subarea runoff =      1.989(CFS) for      0.650(Ac.)
Total runoff =     12.488(CFS)    Total area =       4.000(Ac.)
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Process from Point/Station       22.000 to Point/Station       23.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------------
Upstream point/station elevation =  1070.000(Ft.)
Downstream point/station elevation =  1068.000(Ft.)
Pipe length  =   288.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    12.488(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    12.488(CFS)
Normal flow depth in pipe =   16.27(In.)
Flow top width inside pipe =   17.55(In.)
Critical Depth =   15.80(In.)
Pipe flow velocity =      6.24(Ft/s)
Travel time through pipe =    0.77 min.
Time of concentration (TC) =    10.33 min.


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Process from Point/Station       23.000 to Point/Station       23.000
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.893
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.300
Decimal fraction soil group C = 0.700
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  82.06
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    10.33 min.
Rainfall intensity =      3.422(In/Hr) for a   100.0 year storm
Subarea runoff =      2.078(CFS) for      0.680(Ac.)
Total runoff =     14.566(CFS)    Total area =       4.680(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       23.000 to Point/Station       24.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------------
Upstream point/station elevation =  1068.000(Ft.)
Downstream point/station elevation =  1067.500(Ft.)
Pipe length  =    33.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    14.566(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    14.566(CFS)
Normal flow depth in pipe =   13.52(In.)
Flow top width inside pipe =   20.11(In.)
Critical Depth =   16.98(In.)
Pipe flow velocity =      8.89(Ft/s)
Travel time through pipe =    0.06 min.
Time of concentration (TC) =    10.39 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       24.000 to Point/Station       24.000
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.891
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.670
Decimal fraction soil group C = 0.330
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  78.23
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    10.39 min.
Rainfall intensity =      3.411(In/Hr) for a   100.0 year storm
Subarea runoff =      1.489(CFS) for      0.490(Ac.)
Total runoff =     16.055(CFS)    Total area =       5.170(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       24.000 to Point/Station       14.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------------
Upstream point/station elevation =  1067.500(Ft.)
Downstream point/station elevation =  1067.000(Ft.)
Pipe length  =    85.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    16.055(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    16.055(CFS)
Normal flow depth in pipe =   18.23(In.)
Flow top width inside pipe =   20.51(In.)
Critical Depth =   17.34(In.)
Pipe flow velocity =      6.27(Ft/s)
Travel time through pipe =    0.23 min.
Time of concentration (TC) =    10.61 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       14.000 to Point/Station       14.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 3
Stream flow area =      5.170(Ac.)
Runoff from this stream =     16.055(CFS)
Time of concentration =   10.61 min.
Rainfall intensity =     3.371(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1      192.101     20.34           2.357
2       67.466      9.18           3.650
3       16.055     10.61           3.371
Largest stream flow has longer time of concentration
Qp =    192.101 + sum of
          Qb         Ia/Ib
          67.466 *    0.646 =     43.562
          Qb         Ia/Ib
          16.055 *    0.699 =     11.226
Qp =    246.890

Total of 3 main streams to confluence:
Flow rates before confluence point:
     192.101      67.466      16.055
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Area of streams before confluence:
       86.940       34.060        5.170


Results of confluence:
Total flow rate =    246.890(CFS)
Time of concentration =    20.342 min.
Effective stream area after confluence  =    126.170(Ac.)


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Process from Point/Station       14.000 to Point/Station       14.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.808
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.540
Decimal fraction soil group C = 0.460
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  83.19
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    20.34 min.
Rainfall intensity =      2.357(In/Hr) for a   100.0 year storm
Subarea runoff =     14.828(CFS) for      7.790(Ac.)
Total runoff =    261.717(CFS)    Total area =     133.960(Ac.)


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Process from Point/Station       14.000 to Point/Station       15.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1060.000(Ft.)
Downstream point/station elevation =  1059.500(Ft.)
Pipe length  =   205.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   261.717(CFS)
Nearest computed pipe diameter  =     78.00(In.)
Calculated individual pipe flow  =   261.717(CFS)
Normal flow depth in pipe =   64.69(In.)
Flow top width inside pipe =   58.69(In.)
Critical Depth =   52.10(In.)
Pipe flow velocity =      8.89(Ft/s)
Travel time through pipe =    0.38 min.
Time of concentration (TC) =    20.73 min.


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Process from Point/Station       15.000 to Point/Station       15.000
**** USER DEFINED FLOW INFORMATION AT A POINT ****
________________________________________________________________________
Rainfall intensity =      2.334(In/Hr) for a   100.0 year storm
USER INPUT of soil data for subarea
Runoff Coefficient = 0.839
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.640
Decimal fraction soil group C = 0.360
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  79.36
Pervious area fraction =  0.525; Impervious fraction =  0.475
User specified values are as follows:
TC =  20.70 min.  Rain intensity =       2.33(In/Hr)
Total area =       133.96(Ac.)  Total runoff =    161.58(CFS)


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Process from Point/Station       15.000 to Point/Station       15.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =    133.960(Ac.)
Runoff from this stream =    161.580(CFS)
Time of concentration =   20.70 min.
Rainfall intensity =     2.334(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station       15.100 to Point/Station       15.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   756.000(Ft.)
Top (of initial area) elevation =  1079.800(Ft.)
Bottom (of initial area) elevation =  1065.100(Ft.)
Difference in elevation =    14.700(Ft.)
Slope =    0.01944  s(percent)=       1.94
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   12.154 min.
Rainfall intensity =      3.128(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.843
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =      6.808(CFS)
Total initial stream area =        2.580(Ac.)
Pervious area fraction = 0.500


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Process from Point/Station       15.200 to Point/Station       15.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1065.100(Ft.)
Downstream point/station elevation =  1064.000(Ft.)
Pipe length  =    57.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     6.808(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =     6.808(CFS)
Normal flow depth in pipe =    9.77(In.)
Flow top width inside pipe =   14.29(In.)
Critical Depth =   12.57(In.)
Pipe flow velocity =      8.04(Ft/s)
Travel time through pipe =    0.12 min.
Time of concentration (TC) =    12.27 min.
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Process from Point/Station       15.300 to Point/Station       15.300
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.843
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    12.27 min.
Rainfall intensity =      3.112(In/Hr) for a   100.0 year storm
Subarea runoff =      6.481(CFS) for      2.470(Ac.)
Total runoff =     13.290(CFS)    Total area =       5.050(Ac.)


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Process from Point/Station       15.300 to Point/Station       15.300
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.856
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.200
Decimal fraction soil group C = 0.800
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  89.20
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    12.27 min.
Rainfall intensity =      3.112(In/Hr) for a   100.0 year storm
Subarea runoff =      7.455(CFS) for      2.800(Ac.)
Total runoff =     20.745(CFS)    Total area =       7.850(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       15.300 to Point/Station       15.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1064.000(Ft.)
Downstream point/station elevation =  1059.500(Ft.)
Pipe length  =   100.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    20.745(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    20.745(CFS)
Normal flow depth in pipe =   13.76(In.)
Flow top width inside pipe =   15.28(In.)
Critical depth could not be calculated.
Pipe flow velocity =     14.33(Ft/s)
Travel time through pipe =    0.12 min.
Time of concentration (TC) =    12.39 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       15.000 to Point/Station       15.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      7.850(Ac.)
Runoff from this stream =     20.745(CFS)
Time of concentration =   12.39 min.
Rainfall intensity =     3.096(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      161.580     20.70           2.334
2       20.745     12.39           3.096
Largest stream flow has longer time of concentration
Qp =    161.580 + sum of
           Qb         Ia/Ib
          20.745 *    0.754 =     15.642
Qp =    177.222

Total of 2 main streams to confluence:
Flow rates before confluence point:
     161.580      20.745
Area of streams before confluence:
      133.960        7.850


Results of confluence:
Total flow rate =    177.222(CFS)
Time of concentration =    20.700 min.
Effective stream area after confluence  =    141.810(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       15.000 to Point/Station       16.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1059.500(Ft.)
Downstream point/station elevation =  1057.500(Ft.)
Pipe length  =   226.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   177.222(CFS)
Nearest computed pipe diameter  =     54.00(In.)
Calculated individual pipe flow  =   177.222(CFS)
Normal flow depth in pipe =   42.38(In.)
Flow top width inside pipe =   44.39(In.)
Critical Depth =   46.36(In.)
Pipe flow velocity =     13.24(Ft/s)
Travel time through pipe =    0.28 min.
Time of concentration (TC) =    20.98 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       16.000 to Point/Station       16.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =    141.810(Ac.)
Runoff from this stream =    177.222(CFS)
Time of concentration =   20.98 min.
Rainfall intensity =     2.317(In/Hr)
Program is now starting with Main Stream No. 2
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      200.000 to Point/Station      201.000
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   660.000(Ft.)
Top (of initial area) elevation =  1233.000(Ft.)
Bottom (of initial area) elevation =  1220.000(Ft.)
Difference in elevation =    13.000(Ft.)
Slope =    0.01970  s(percent)=       1.97
TC = k(0.390)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   11.482 min.
Rainfall intensity =      3.228(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.852
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.740
Decimal fraction soil group C = 0.260
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  77.50
Pervious area fraction =  0.500; Impervious fraction =  0.500
Initial subarea runoff =     14.518(CFS)
Total initial stream area =        5.280(Ac.)
Pervious area fraction = 0.500


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      201.000 to Point/Station      202.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of street segment elevation =  1220.000(Ft.)
End of street segment elevation =  1192.000(Ft.)
Length of street segment  =   510.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  18.000(Ft.)
Distance from crown to crossfall grade break  =  14.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  10.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   1.500(Ft.)
Gutter hike from flowline =  0.360(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     33.051(CFS)
Depth of flow =   0.315(Ft.), Average velocity =   6.676(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  15.734(Ft.)
Flow velocity =   6.68(Ft/s)
Travel time =    1.27 min.     TC =   12.75  min.
 Adding area flow to street
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.866
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Rainfall intensity =      3.047(In/Hr) for a   100.0 year storm
Subarea runoff =     36.871(CFS) for     13.970(Ac.)
Total runoff =     51.389(CFS)    Total area =      19.250(Ac.)
Street flow at end of street =     51.389(CFS)
Half street flow at end of street =     25.694(CFS)
Depth of flow =   0.369(Ft.), Average velocity =   7.546(Ft/s)
Note:  depth of flow exceeds top of street crown.
Flow width (from curb towards crown)=  18.000(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      202.000 to Point/Station      203.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1192.000(Ft.)
Downstream point/station elevation =  1178.000(Ft.)
Pipe length  =   273.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    51.389(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    51.389(CFS)
Normal flow depth in pipe =   19.73(In.)
Flow top width inside pipe =   18.35(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.59(Ft/s)
Travel time through pipe =    0.24 min.
Time of concentration (TC) =    13.00 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      203.000 to Point/Station      203.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.846
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  87.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    13.00 min.
Rainfall intensity =      3.015(In/Hr) for a   100.0 year storm
Subarea runoff =      4.744(CFS) for      1.860(Ac.)
Total runoff =     56.133(CFS)    Total area =      21.110(Ac.)


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Process from Point/Station      203.000 to Point/Station      203.000
**** USER DEFINED FLOW INFORMATION AT A POINT ****
______________________________________________________________________________
Rainfall intensity =      3.015(In/Hr) for a   100.0 year storm
USER INPUT of soil data for subarea
Runoff Coefficient = 0.884
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.190
Decimal fraction soil group C = 0.810
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  92.92
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Pervious area fraction =  0.544; Impervious fraction =  0.456
User specified values are as follows:
TC =  13.00 min.  Rain intensity =       3.01(In/Hr)
Total area =        21.11(Ac.)  Total runoff =     14.00(CFS)


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Process from Point/Station      203.000 to Point/Station      204.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1164.000(Ft.)
Downstream point/station elevation =  1163.000(Ft.)
Pipe length  =   125.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    14.000(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    14.000(CFS)
Normal flow depth in pipe =   16.97(In.)
Flow top width inside pipe =   16.54(In.)
Critical Depth =   16.69(In.)
Pipe flow velocity =      6.72(Ft/s)
Travel time through pipe =    0.31 min.
Time of concentration (TC) =    13.31 min.


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Process from Point/Station      204.000 to Point/Station      204.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.877
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    13.31 min.
Rainfall intensity =      2.976(In/Hr) for a   100.0 year storm
Subarea runoff =     16.228(CFS) for      6.220(Ac.)
Total runoff =     30.228(CFS)    Total area =      27.330(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      204.000 to Point/Station      205.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1163.000(Ft.)
Downstream point/station elevation =  1142.000(Ft.)
Pipe length  =   350.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    30.228(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    30.228(CFS)
Normal flow depth in pipe =   13.93(In.)
Flow top width inside pipe =   19.85(In.)
Critical depth could not be calculated.
Pipe flow velocity =     17.84(Ft/s)
Travel time through pipe =    0.33 min.
Time of concentration (TC) =    13.64 min.


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Process from Point/Station      205.000 to Point/Station      205.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     27.330(Ac.)
Runoff from this stream =     30.228(CFS)
Time of concentration =   13.64 min.
Rainfall intensity =     2.936(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      205.100 to Point/Station      205.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   953.000(Ft.)
Top (of initial area) elevation =  1730.000(Ft.)
Bottom (of initial area) elevation =  1215.000(Ft.)
Difference in elevation =   515.000(Ft.)
Slope =    0.54040  s(percent)=      54.04
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.319 min.
Rainfall intensity =      3.621(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.881
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     34.694(CFS)
Total initial stream area =       10.880(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station      205.200 to Point/Station      205.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1215.000(Ft.)
Downstream point/station elevation =  1162.800(Ft.)
Pipe length  =   610.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    34.694(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    34.694(CFS)
Normal flow depth in pipe =   13.55(In.)
Flow top width inside pipe =   20.10(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.14(Ft/s)
Travel time through pipe =    0.48 min.
Time of concentration (TC) =     9.80 min.
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Process from Point/Station      205.300 to Point/Station      205.300
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =     9.80 min.
Rainfall intensity =      3.522(In/Hr) for a   100.0 year storm
Subarea runoff =     43.616(CFS) for     14.070(Ac.)
Total runoff =     78.310(CFS)    Total area =      24.950(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      205.300 to Point/Station      205.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1162.800(Ft.)
Downstream point/station elevation =  1151.400(Ft.)
Pipe length  =   288.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    78.310(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =    78.310(CFS)
Normal flow depth in pipe =   23.58(In.)
Flow top width inside pipe =   24.61(In.)
Critical depth could not be calculated.
Pipe flow velocity =     18.93(Ft/s)
Travel time through pipe =    0.25 min.
Time of concentration (TC) =    10.05 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      205.400 to Point/Station      205.400
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    10.05 min.
Rainfall intensity =      3.473(In/Hr) for a   100.0 year storm
Subarea runoff =      8.464(CFS) for      2.770(Ac.)
Total runoff =     86.774(CFS)    Total area =      27.720(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      205.400 to Point/Station      205.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1151.400(Ft.)
Downstream point/station elevation =  1144.500(Ft.)
Pipe length  =   447.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    86.774(CFS)
Nearest computed pipe diameter  =     36.00(In.)
Calculated individual pipe flow  =    86.774(CFS)
Normal flow depth in pipe =   31.31(In.)
Flow top width inside pipe =   24.23(In.)
Critical Depth =   33.89(In.)
Pipe flow velocity =     13.29(Ft/s)
Travel time through pipe =    0.56 min.
Time of concentration (TC) =    10.61 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      205.500 to Point/Station      205.500
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.879
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    10.61 min.
Rainfall intensity =      3.370(In/Hr) for a   100.0 year storm
Subarea runoff =     44.992(CFS) for     15.180(Ac.)
Total runoff =    131.766(CFS)    Total area =      42.900(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      205.500 to Point/Station      205.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1144.500(Ft.)
Downstream point/station elevation =  1142.000(Ft.)
Pipe length  =   405.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   131.766(CFS)
Nearest computed pipe diameter  =     51.00(In.)
Calculated individual pipe flow  =   131.766(CFS)
Normal flow depth in pipe =   41.53(In.)
Flow top width inside pipe =   39.66(In.)
Critical Depth =   40.96(In.)
Pipe flow velocity =     10.66(Ft/s)
Travel time through pipe =    0.63 min.
Time of concentration (TC) =    11.25 min.


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Process from Point/Station      205.000 to Point/Station      205.000
**** CONFLUENCE OF MINOR STREAMS ****
----------------------------------------------------------------------------
Along Main Stream number: 2 in normal stream number 2
Stream flow area =     42.900(Ac.)
Runoff from this stream =    131.766(CFS)
Time of concentration =   11.25 min.
Rainfall intensity =     3.265(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
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 No.       (CFS)       (min)                (In/Hr)


1       30.228     13.64                 2.936
2      131.766     11.25                 3.265
Largest stream flow has longer or shorter time of concentration
Qp =    131.766 + sum of
           Qa          Tb/Ta
           30.228 *    0.825 =     24.930
Qp =    156.697

Total of 2 streams to confluence:
Flow rates before confluence point:
      30.228     131.766
Area of streams before confluence:
       27.330       42.900
Results of confluence:
Total flow rate =    156.697(CFS)
Time of concentration =    11.247 min.
Effective stream area after confluence =     70.230(Ac.)


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Process from Point/Station      205.000 to Point/Station      206.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1142.000(Ft.)
Downstream point/station elevation =  1124.000(Ft.)
Pipe length  =   897.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   156.697(CFS)
Nearest computed pipe diameter  =     45.00(In.)
Calculated individual pipe flow  =   156.697(CFS)
Normal flow depth in pipe =   33.84(In.)
Flow top width inside pipe =   38.86(In.)
Critical Depth =   42.64(In.)
Pipe flow velocity =     17.59(Ft/s)
Travel time through pipe =    0.85 min.
Time of concentration (TC) =    12.10 min.


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Process from Point/Station      206.000 to Point/Station      206.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.861
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  90.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    12.10 min.
Rainfall intensity =      3.137(In/Hr) for a   100.0 year storm
Subarea runoff =     11.074(CFS) for      4.100(Ac.)
Total runoff =    167.771(CFS)    Total area =      74.330(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      206.000 to Point/Station      206.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/4 Acre Lot)
Runoff Coefficient = 0.867
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.500; Impervious fraction =  0.500
Time of concentration =    12.10 min.
Rainfall intensity =      3.137(In/Hr) for a   100.0 year storm
Subarea runoff =     11.479(CFS) for      4.220(Ac.)
Total runoff =    179.249(CFS)    Total area =      78.550(Ac.)


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Process from Point/Station      206.000 to Point/Station       16.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1124.000(Ft.)
Downstream point/station elevation =  1057.500(Ft.)
Pipe length  =   570.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   179.249(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =   179.249(CFS)
Normal flow depth in pipe =   26.81(In.)
Flow top width inside pipe =   25.76(In.)
Critical depth could not be calculated.
Pipe flow velocity =     34.67(Ft/s)
Travel time through pipe =    0.27 min.
Time of concentration (TC) =    12.37 min.


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Process from Point/Station       16.000 to Point/Station       16.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     78.550(Ac.)
Runoff from this stream =    179.249(CFS)
Time of concentration =   12.37 min.
Rainfall intensity =     3.098(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      177.222     20.98           2.317
2      179.249     12.37           3.098
Largest stream flow has longer or shorter time of concentration
Qp =    179.249 + sum of
           Qa          Tb/Ta
          177.222 *    0.590 =    104.480
Qp =    283.729
```

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Total of 2 main streams to confluence:
Flow rates before confluence point:
     177.222     179.249
Area of streams before confluence:
      141.810       78.550


Results of confluence:
Total flow rate =    283.729(CFS)
Time of concentration =    12.371 min.
Effective stream area after confluence  =    220.360(Ac.)


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Process from Point/Station       16.000 to Point/Station       17.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1057.500(Ft.)
Downstream point/station elevation =  1057.000(Ft.)
Pipe length  =    30.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   283.729(CFS)
Nearest computed pipe diameter  =     57.00(In.)
Calculated individual pipe flow  =   283.729(CFS)
Normal flow depth in pipe =   45.09(In.)
Flow top width inside pipe =   46.34(In.)
Critical Depth =   54.08(In.)
Pipe flow velocity =     18.85(Ft/s)
Travel time through pipe =    0.03 min.
Time of concentration (TC) =    12.40 min.


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Process from Point/Station       17.000 to Point/Station       17.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =    220.360(Ac.)
Runoff from this stream =    283.729(CFS)
Time of concentration =   12.40 min.
Rainfall intensity =     3.094(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station       40.000 to Point/Station       41.000
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------
Initial area flow distance =   834.000(Ft.)
Top (of initial area) elevation =  1219.800(Ft.)
Bottom (of initial area) elevation =  1176.200(Ft.)
Difference in elevation =    43.600(Ft.)
Slope =    0.05228  s(percent)=       5.23
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   11.170 min.
Rainfall intensity =      3.277(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.862
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =      7.545(CFS)
Total initial stream area =        2.670(Ac.)
Pervious area fraction = 0.600


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Process from Point/Station       41.000 to Point/Station       41.100
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1176.200(Ft.)
Downstream point/station elevation =  1176.000(Ft.)
Pipe length  =    47.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     7.545(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =     7.545(CFS)
Normal flow depth in pipe =   13.31(In.)
Flow top width inside pipe =   20.23(In.)
Critical Depth =   12.21(In.)
Pipe flow velocity =      4.69(Ft/s)
Travel time through pipe =    0.17 min.
Time of concentration (TC) =    11.34 min.


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Process from Point/Station       41.100 to Point/Station       41.100
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.862
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    11.34 min.
Rainfall intensity =      3.251(In/Hr) for a   100.0 year storm
Subarea runoff =      7.957(CFS) for      2.840(Ac.)
Total runoff =     15.502(CFS)    Total area =       5.510(Ac.)


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Process from Point/Station       41.100 to Point/Station       42.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1176.000(Ft.)
Downstream point/station elevation =  1150.900(Ft.)
Pipe length  =   306.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    15.502(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    15.502(CFS)
Normal flow depth in pipe =   10.50(In.)
Flow top width inside pipe =   13.75(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.88(Ft/s)
Travel time through pipe =    0.30 min.
```

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Time of concentration (TC) =    11.64 min.


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Process from Point/Station       42.000 to Point/Station       42.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.878
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    11.64 min.
Rainfall intensity =      3.204(In/Hr) for a   100.0 year storm
Subarea runoff =      7.457(CFS) for      2.650(Ac.)
Total runoff =     22.959(CFS)    Total area =       8.160(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       42.000 to Point/Station       43.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1150.900(Ft.)
Downstream point/station elevation =  1150.400(Ft.)
Pipe length  =    40.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    22.959(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    22.959(CFS)
Normal flow depth in pipe =   17.93(In.)
Flow top width inside pipe =   20.87(In.)
Critical Depth =   20.46(In.)
Pipe flow velocity =      9.12(Ft/s)
Travel time through pipe =    0.07 min.
Time of concentration (TC) =    11.71 min.


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Process from Point/Station       43.000 to Point/Station       43.000
**** CONFLUENCE OF MINOR STREAMS ****
----------------------------------------------------------------------
Along Main Stream number: 2 in normal stream number 1
Stream flow area =      8.160(Ac.)
Runoff from this stream =     22.959(CFS)
Time of concentration =   11.71 min.
Rainfall intensity =     3.193(In/Hr)


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Process from Point/Station       43.100 to Point/Station       43.200
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------
Initial area flow distance =   937.000(Ft.)
Top (of initial area) elevation =  1216.750(Ft.)
Bottom (of initial area) elevation =  1161.400(Ft.)
Difference in elevation =    55.350(Ft.)
Slope =    0.05907  s(percent)=       5.91
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   14.411 min.
Rainfall intensity =      2.849(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.876
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     10.128(CFS)
Total initial stream area =        4.060(Ac.)
Pervious area fraction = 1.000


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Process from Point/Station       43.200 to Point/Station       43.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1164.400(Ft.)
Downstream point/station elevation =  1161.000(Ft.)
Pipe length  =    34.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    10.128(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =    10.128(CFS)
Normal flow depth in pipe =    8.89(In.)
Flow top width inside pipe =   10.51(In.)
Critical depth could not be calculated.
Pipe flow velocity =     16.23(Ft/s)
Travel time through pipe =    0.03 min.
Time of concentration (TC) =    14.45 min.


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Process from Point/Station       43.300 to Point/Station       43.300
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.893
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    14.45 min.
Rainfall intensity =      2.845(In/Hr) for a   100.0 year storm
Subarea runoff =      2.769(CFS) for      1.090(Ac.)
Total runoff =     12.896(CFS)    Total area =       5.150(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       43.300 to Point/Station       43.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1161.000(Ft.)
Downstream point/station elevation =  1151.500(Ft.)
Pipe length  =   710.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    12.896(CFS)
Nearest computed pipe diameter  =     21.00(In.)
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```
Calculated individual pipe flow  =    12.896(CFS)
Normal flow depth in pipe =   12.98(In.)
Flow top width inside pipe =   20.40(In.)
Critical Depth =   16.05(In.)
Pipe flow velocity =      8.25(Ft/s)
Travel time through pipe =    1.43 min.
Time of concentration (TC) =    15.88 min.


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Process from Point/Station       43.400 to Point/Station       43.400
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.855
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    15.88 min.
Rainfall intensity =      2.701(In/Hr) for a   100.0 year storm
Subarea runoff =      7.918(CFS) for      3.430(Ac.)
Total runoff =     20.815(CFS)    Total area =       8.580(Ac.)


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Process from Point/Station       43.400 to Point/Station       43.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1151.500(Ft.)
Downstream point/station elevation =  1150.400(Ft.)
Pipe length  =    45.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    20.815(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    20.815(CFS)
Normal flow depth in pipe =   14.74(In.)
Flow top width inside pipe =   19.21(In.)
Critical Depth =   19.40(In.)
Pipe flow velocity =     11.54(Ft/s)
Travel time through pipe =    0.06 min.
Time of concentration (TC) =    15.94 min.


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Process from Point/Station       43.000 to Point/Station       43.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =      8.580(Ac.)
Runoff from this stream =     20.815(CFS)
Time of concentration =   15.94 min.
Rainfall intensity =     2.695(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)
1       22.959     11.71                 3.193
2       20.815     15.94                 2.695
Largest stream flow has longer or shorter time of concentration
Qp =     22.959 + sum of
           Qa          Tb/Ta
           20.815 *    0.735 =     15.289
Qp =     38.248

Total of 2 streams to confluence:
Flow rates before confluence point:
      22.959      20.815
Area of streams before confluence:
        8.160        8.580
Results of confluence:
Total flow rate =     38.248(CFS)
Time of concentration =    11.712 min.
Effective stream area after confluence =     16.740(Ac.)


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Process from Point/Station       43.000 to Point/Station       44.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1150.400(Ft.)
Downstream point/station elevation =  1141.000(Ft.)
Pipe length  =   822.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    38.248(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =    38.248(CFS)
Normal flow depth in pipe =   21.68(In.)
Flow top width inside pipe =   26.86(In.)
Critical Depth =   25.08(In.)
Pipe flow velocity =     10.07(Ft/s)
Travel time through pipe =    1.36 min.
Time of concentration (TC) =    13.07 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       44.000 to Point/Station       44.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.859
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    13.07 min.
Rainfall intensity =      3.006(In/Hr) for a   100.0 year storm
Subarea runoff =      9.192(CFS) for      3.560(Ac.)
Total runoff =     47.440(CFS)    Total area =      20.300(Ac.)
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Process from Point/Station       44.000 to Point/Station       44.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.859
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    13.07 min.
Rainfall intensity =      3.006(In/Hr) for a   100.0 year storm
Subarea runoff =      6.429(CFS) for      2.490(Ac.)
Total runoff =     53.869(CFS)    Total area =      22.790(Ac.)


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Process from Point/Station       44.000 to Point/Station       45.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1141.000(Ft.)
Downstream point/station elevation =  1140.500(Ft.)
Pipe length  =    35.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    53.869(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    53.869(CFS)
Normal flow depth in pipe =   23.41(In.)
Flow top width inside pipe =   29.96(In.)
Critical Depth =   28.75(In.)
Pipe flow velocity =     11.95(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =    13.12 min.


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Process from Point/Station       45.000 to Point/Station       45.000
**** CONFLUENCE OF MINOR STREAMS ****
----------------------------------------------------------------------------
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     22.790(Ac.)
Runoff from this stream =     53.869(CFS)
Time of concentration =   13.12 min.
Rainfall intensity =     2.999(In/Hr)


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Process from Point/Station       45.100 to Point/Station       45.200
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------------
Initial area flow distance =   652.000(Ft.)
Top (of initial area) elevation =  1210.000(Ft.)
Bottom (of initial area) elevation =  1162.500(Ft.)
Difference in elevation =    47.500(Ft.)
Slope =    0.07285  s(percent)=       7.29
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.472 min.
Rainfall intensity =      3.588(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.865
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =     10.587(CFS)
Total initial stream area =        3.410(Ac.)
Pervious area fraction = 0.600


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Process from Point/Station       45.200 to Point/Station       45.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1162.500(Ft.)
Downstream point/station elevation =  1162.000(Ft.)
Pipe length  =    55.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    10.587(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    10.587(CFS)
Normal flow depth in pipe =   12.96(In.)
Flow top width inside pipe =   20.42(In.)
Critical Depth =   14.55(In.)
Pipe flow velocity =      6.80(Ft/s)
Travel time through pipe =    0.13 min.
Time of concentration (TC) =     9.61 min.


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Process from Point/Station       45.300 to Point/Station       45.300
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.865
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     9.61 min.
Rainfall intensity =      3.560(In/Hr) for a   100.0 year storm
Subarea runoff =      4.805(CFS) for      1.560(Ac.)
Total runoff =     15.392(CFS)    Total area =       4.970(Ac.)


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Process from Point/Station       45.300 to Point/Station       45.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1162.000(Ft.)
Downstream point/station elevation =  1143.000(Ft.)
Pipe length  =   186.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    15.392(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =    15.392(CFS)
Normal flow depth in pipe =    9.66(In.)
Flow top width inside pipe =   14.37(In.)
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Critical depth could not be calculated.
Pipe flow velocity =     18.44(Ft/s)
Travel time through pipe =    0.17 min.
Time of concentration (TC) =     9.78 min.


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Process from Point/Station       45.400 to Point/Station       45.400
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.865
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     9.78 min.
Rainfall intensity =      3.527(In/Hr) for a   100.0 year storm
Subarea runoff =     12.930(CFS) for      4.240(Ac.)
Total runoff =     28.322(CFS)    Total area =       9.210(Ac.)


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Process from Point/Station       45.400 to Point/Station       45.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1143.000(Ft.)
Downstream point/station elevation =  1140.500(Ft.)
Pipe length  =    43.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    28.322(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    28.322(CFS)
Normal flow depth in pipe =   13.45(In.)
Flow top width inside pipe =   20.15(In.)
Critical depth could not be calculated.
Pipe flow velocity =     17.39(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =     9.82 min.


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Process from Point/Station       45.000 to Point/Station       45.000
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =      9.210(Ac.)
Runoff from this stream =     28.322(CFS)
Time of concentration =    9.82 min.
Rainfall intensity =     3.518(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       53.869     13.12                2.999
2       28.322      9.82                3.518
Largest stream flow has longer time of concentration
Qp =     53.869 + sum of
           Qb          Ia/Ib
           28.322 *     0.852 =     24.144
Qp =     78.013

Total of 2 streams to confluence:
Flow rates before confluence point:
      53.869      28.322
Area of streams before confluence:
       22.790        9.210
Results of confluence:
Total flow rate =     78.013(CFS)
Time of concentration =    13.122 min.
Effective stream area after confluence =     32.000(Ac.)


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Process from Point/Station       45.000 to Point/Station       46.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1140.500(Ft.)
Downstream point/station elevation =  1099.000(Ft.)
Pipe length  =   783.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    78.013(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =    78.013(CFS)
Normal flow depth in pipe =   20.79(In.)
Flow top width inside pipe =   27.68(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.49(Ft/s)
Travel time through pipe =    0.61 min.
Time of concentration (TC) =    13.73 min.


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Process from Point/Station       46.000 to Point/Station       46.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.858
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    13.73 min.
Rainfall intensity =      2.926(In/Hr) for a   100.0 year storm
Subarea runoff =     11.121(CFS) for      4.430(Ac.)
Total runoff =     89.134(CFS)    Total area =      36.430(Ac.)


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Process from Point/Station       46.000 to Point/Station       46.000
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.858
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
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Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =    13.73 min.
Rainfall intensity =      2.926(In/Hr) for a   100.0 year storm
Subarea runoff =      5.523(CFS) for      2.200(Ac.)
Total runoff =     94.657(CFS)    Total area =      38.630(Ac.)


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Process from Point/Station       46.000 to Point/Station       47.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1099.000(Ft.)
Downstream point/station elevation =  1077.000(Ft.)
Pipe length  =   550.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    94.657(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    94.657(CFS)
Normal flow depth in pipe =   24.38(In.)
Flow top width inside pipe =   29.00(In.)
Critical depth could not be calculated.
Pipe flow velocity =     20.14(Ft/s)
Travel time through pipe =    0.46 min.
Time of concentration (TC) =    14.18 min.


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Process from Point/Station       47.000 to Point/Station       47.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.858
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  90.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    14.18 min.
Rainfall intensity =      2.874(In/Hr) for a   100.0 year storm
Subarea runoff =     12.152(CFS) for      4.930(Ac.)
Total runoff =    106.809(CFS)    Total area =      43.560(Ac.)


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Process from Point/Station       47.000 to Point/Station       47.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     43.560(Ac.)
Runoff from this stream =    106.809(CFS)
Time of concentration =   14.18 min.
Rainfall intensity =     2.874(In/Hr)
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Process from Point/Station       47.100 to Point/Station       47.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   492.000(Ft.)
Top (of initial area) elevation =  1131.000(Ft.)
Bottom (of initial area) elevation =  1079.000(Ft.)
Difference in elevation =    52.000(Ft.)
Slope =    0.10569  s(percent)=      10.57
TC = k(0.420)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.856 min.
Rainfall intensity =      3.977(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.868
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Initial subarea runoff =      9.118(CFS)
Total initial stream area =        2.640(Ac.)
Pervious area fraction = 0.600


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       47.200 to Point/Station       47.200
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
SINGLE FAMILY (1/2 Acre Lot)
Runoff Coefficient = 0.868
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.600; Impervious fraction =  0.400
Time of concentration =     7.86 min.
Rainfall intensity =      3.977(In/Hr) for a   100.0 year storm
Subarea runoff =      4.214(CFS) for      1.220(Ac.)
Total runoff =     13.332(CFS)    Total area =       3.860(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       47.200 to Point/Station       47.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1079.000(Ft.)
Downstream point/station elevation =  1077.000(Ft.)
Pipe length  =    78.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    13.332(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    13.332(CFS)
Normal flow depth in pipe =   12.09(In.)
Flow top width inside pipe =   16.90(In.)
Critical Depth =   16.34(In.)
Pipe flow velocity =     10.56(Ft/s)
Travel time through pipe =    0.12 min.
Time of concentration (TC) =     7.98 min.
```

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       47.000 to Point/Station       47.000
**** CONFLUENCE OF MINOR STREAMS ****
----------------------------------------------------------------------------
Along Main Stream number: 2 in normal stream number 2
Stream flow area =      3.860(Ac.)
Runoff from this stream =     13.332(CFS)
Time of concentration =    7.98 min.
Rainfall intensity =     3.943(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      106.809     14.18                2.874
2       13.332      7.98                3.943
Largest stream flow has longer time of concentration
Qp =    106.809 + sum of
          Qb         Ia/Ib
          13.332 *    0.729 =      9.716
Qp =    116.525

Total of 2 streams to confluence:
Flow rates before confluence point:
     106.809      13.332
Area of streams before confluence:
       43.560        3.860
Results of confluence:
Total flow rate =    116.525(CFS)
Time of concentration =    14.184 min.
Effective stream area after confluence =     47.420(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       47.000 to Point/Station       47.000
**** USER DEFINED FLOW INFORMATION AT A POINT ****
----------------------------------------------------------------------------
Rainfall intensity =      2.883(In/Hr) for a   100.0 year storm
USER INPUT of soil data for subarea
Runoff Coefficient = 0.858
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  86.50
Pervious area fraction =  0.687; Impervious fraction =  0.313
User specified values are as follows:
TC =  14.10 min.  Rain intensity =       2.88(In/Hr)
Total area =        47.42(Ac.)  Total runoff =     76.90(CFS)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       47.000 to Point/Station       17.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1071.000(Ft.)
Downstream point/station elevation =  1057.000(Ft.)
Pipe length  =   310.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    76.900(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =    76.900(CFS)
Normal flow depth in pipe =   21.89(In.)
Flow top width inside pipe =   26.65(In.)
Critical depth could not be calculated.
Pipe flow velocity =     20.04(Ft/s)
Travel time through pipe =    0.26 min.
Time of concentration (TC) =    14.36 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       17.000 to Point/Station       17.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     47.420(Ac.)
Runoff from this stream =     76.900(CFS)
Time of concentration =   14.36 min.
Rainfall intensity =     2.854(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      283.729     12.40           3.094
2       76.900     14.36           2.854
Largest stream flow has longer or shorter time of concentration
Qp =    283.729 + sum of
          Qa          Tb/Ta
          76.900 *    0.863 =     66.402
Qp =    350.132

Total of 2 main streams to confluence:
Flow rates before confluence point:
     283.729      76.900
Area of streams before confluence:
      220.360       47.420


Results of confluence:
Total flow rate =    350.132(CFS)
Time of concentration =    12.398 min.
Effective stream area after confluence  =    267.780(Ac.)
End of computations, total study area =          470.27 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.616
Area averaged RI index number =  67.9
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                Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2014 Version 9.0
        Rational Hydrology Study        Date: 12/27/21  File:AREAHD.out
------------------------------------------------------------------------
 *********   Hydrology Study Control Information **********

 English (in-lb) Units used in input data file

------------------------------------------------------------------------
Program License Serial Number 6406

------------------------------------------------------------------------
PROPOSED RATIONAL STUDY, DRAINAGE AREA H WITH
DETENTION USER OUTPUT
100-YEAR STORM, RIO VISTA DEVELOPMENT
------------------------------------------------------------------------
Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) =  100.00 Antecedent Moisture Condition = 3

2 year, 1 hour precipitation =  0.550(In.)
100 year, 1 hour precipitation =  1.300(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity =  1.300(In/Hr)
Slope of intensity duration curve = 0.5500

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      500.000 to Point/Station      501.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   855.000(Ft.)
Top (of initial area) elevation =  1330.000(Ft.)
Bottom (of initial area) elevation =  1255.000(Ft.)
Difference in elevation =    75.000(Ft.)
Slope =    0.08772  s(percent)=       8.77
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   12.836 min.
Rainfall intensity =      3.036(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.857
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  89.80
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      4.762(CFS)
Total initial stream area =        1.830(Ac.)
Pervious area fraction = 1.000

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Process from Point/Station      501.000 to Point/Station      502.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =  1255.000(Ft.)
End of street segment elevation =  1209.300(Ft.)
Length of street segment  =   612.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  32.000(Ft.)
Distance from crown to crossfall grade break  =  30.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  18.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =      5.934(CFS)
Depth of flow =   0.227(Ft.), Average velocity =   5.040(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =   7.097(Ft.)
Flow velocity =   5.04(Ft/s)
Travel time =    2.02 min.     TC =   14.86  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.890
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.520
Decimal fraction soil group C = 0.480
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  79.79
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      2.801(In/Hr) for a   100.0 year storm
Subarea runoff =      2.244(CFS) for      0.900(Ac.)
Total runoff =      7.007(CFS)    Total area =       2.730(Ac.)
Street flow at end of street =      7.007(CFS)
Half street flow at end of street =      3.503(CFS)
Depth of flow =   0.238(Ft.), Average velocity =   5.229(Ft/s)
Flow width (from curb towards crown)=   7.648(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      502.000 to Point/Station      503.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1209.300(Ft.)
Downstream point/station elevation =  1207.800(Ft.)
Pipe length  =    64.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     7.007(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =     7.007(CFS)
Normal flow depth in pipe =    9.33(In.)
Flow top width inside pipe =   14.55(In.)
Critical Depth =   12.73(In.)
Pipe flow velocity =      8.74(Ft/s)
Travel time through pipe =    0.12 min.
Time of concentration (TC) =    14.98 min.
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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      503.000 to Point/Station      503.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.890
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.650
Decimal fraction soil group C = 0.350
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  78.44
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    14.98 min.
Rainfall intensity =      2.788(In/Hr) for a   100.0 year storm
Subarea runoff =      3.423(CFS) for      1.380(Ac.)
Total runoff =     10.430(CFS)    Total area =       4.110(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      503.000 to Point/Station      504.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1207.800(Ft.)
Downstream point/station elevation =  1172.000(Ft.)
Pipe length  =    77.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    10.430(CFS)
Nearest computed pipe diameter  =      9.00(In.)
Calculated individual pipe flow  =    10.430(CFS)
Normal flow depth in pipe =    6.83(In.)
Flow top width inside pipe =    7.70(In.)
Critical depth could not be calculated.
Pipe flow velocity =     28.99(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =    15.03 min.


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Process from Point/Station      504.000 to Point/Station      504.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      4.110(Ac.)
Runoff from this stream =     10.430(CFS)
Time of concentration =   15.03 min.
Rainfall intensity =     2.784(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      504.100 to Point/Station      504.200
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------------
Initial area flow distance =   788.000(Ft.)
Top (of initial area) elevation =  1225.000(Ft.)
Bottom (of initial area) elevation =  1205.000(Ft.)
Difference in elevation =    20.000(Ft.)
Slope =    0.02538  s(percent)=       2.54
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.012 min.
Rainfall intensity =      3.688(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.891
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.840
Decimal fraction soil group C = 0.160
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  76.46
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =     50.108(CFS)
Total initial stream area =       15.250(Ac.)
Pervious area fraction = 0.100


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      504.200 to Point/Station      504.200
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.855
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  87.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =     9.01 min.
Rainfall intensity =      3.688(In/Hr) for a   100.0 year storm
Subarea runoff =      4.543(CFS) for      1.440(Ac.)
Total runoff =     54.651(CFS)    Total area =      16.690(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      504.200 to Point/Station      504.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1199.000(Ft.)
Downstream point/station elevation =  1198.000(Ft.)
Pipe length  =   114.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    54.651(CFS)
Nearest computed pipe diameter  =     36.00(In.)
Calculated individual pipe flow  =    54.651(CFS)
Normal flow depth in pipe =   26.09(In.)
Flow top width inside pipe =   32.16(In.)
Critical Depth =   28.80(In.)
Pipe flow velocity =      9.96(Ft/s)
Travel time through pipe =    0.19 min.
Time of concentration (TC) =     9.20 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      504.300 to Point/Station      504.300
**** USER DEFINED FLOW INFORMATION AT A POINT ****
----------------------------------------------------------------------------
Rainfall intensity =      3.691(In/Hr) for a   100.0 year storm
USER INPUT of soil data for subarea
Runoff Coefficient = 0.885
Decimal fraction soil group A = 0.000
```

Decimal fraction soil group B = 0.160
Decimal fraction soil group C = 0.840
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3) = 77.60
Pervious area fraction = 0.178; Impervious fraction = 0.822
User specified values are as follows:
TC = 9.00 min. Rain intensity = 3.69(In/Hr)
Total area = 16.69(Ac.) Total runoff = 9.90(CFS)

BASIN F

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Process from Point/Station 504.300 to Point/Station 504.300
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 2 in normal stream number 1
Stream flow area = 16.690(Ac.)
Runoff from this stream = 9.900(CFS)
Time of concentration = 9.00 min.
Rainfall intensity = 3.691(In/Hr)

++
Process from Point/Station 504.310 to Point/Station 504.320
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 1028.000(Ft.)
Top (of initial area) elevation = 1545.000(Ft.)
Bottom (of initial area) elevation = 1214.000(Ft.)
Difference in elevation = 331.000(Ft.)
Slope = 0.32198 s(percent)= 32.20
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 10.654 min.
Rainfall intensity = 3.364(In/Hr) for a 100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.879
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.020
Decimal fraction soil group C = 0.980
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3) = 94.34
Pervious area fraction = 1.000; Impervious fraction = 0.000
Initial subarea runoff = 18.717(CFS)
Total initial stream area = 6.330(Ac.)
Pervious area fraction = 1.000

++
Process from Point/Station 504.320 to Point/Station 504.300
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1214.000(Ft.)
Downstream point/station elevation = 1198.000(Ft.)
Pipe length = 919.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 18.717(CFS)
Nearest computed pipe diameter = 21.00(In.)
Calculated individual pipe flow = 18.717(CFS)
Normal flow depth in pipe = 15.52(In.)
Flow top width inside pipe = 18.45(In.)
Critical Depth = 18.79(In.)
Pipe flow velocity = 9.83(Ft/s)
Travel time through pipe = 1.56 min.
Time of concentration (TC) = 12.21 min.

++
Process from Point/Station 504.300 to Point/Station 504.300
**** CONFLUENCE OF MINOR STREAMS ****

Along Main Stream number: 2 in normal stream number 2
Stream flow area = 6.330(Ac.)
Runoff from this stream = 18.717(CFS)
Time of concentration = 12.21 min.
Rainfall intensity = 3.120(In/Hr)
Summary of stream data:

Stream No.	Flow rate (CFS)	TC (min)	Rainfall Intensity (In/Hr)
1	9.900	9.00	3.691
2	18.717	12.21	3.120

Largest stream flow has longer time of concentration
Qp = 18.717 + sum of
Qb Ia/Ib
9.900 * 0.845 = 8.370
Qp = 27.087

Total of 2 streams to confluence:
Flow rates before confluence point:
9.900 18.717
Area of streams before confluence:
16.690 6.330
Results of confluence:
Total flow rate = 27.087(CFS)
Time of concentration = 12.212 min.
Effective stream area after confluence = 23.020(Ac.)

++
Process from Point/Station 504.300 to Point/Station 504.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1198.000(Ft.)
Downstream point/station elevation = 1172.000(Ft.)
Pipe length = 154.00(Ft.) Manning's N = 0.013
No. of pipes = 1 Required pipe flow = 27.087(CFS)
Nearest computed pipe diameter = 18.00(In.)
Calculated individual pipe flow = 27.087(CFS)
Normal flow depth in pipe = 10.34(In.)
Flow top width inside pipe = 17.80(In.)
Critical depth could not be calculated.
Pipe flow velocity = 25.80(Ft/s)
Travel time through pipe = 0.10 min.
Time of concentration (TC) = 12.31 min.

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      504.000 to Point/Station      504.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     23.020(Ac.)
Runoff from this stream =     27.087(CFS)
Time of concentration =   12.31 min.
Rainfall intensity =     3.106(In/Hr)
Program is now starting with Main Stream No. 3


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      504.400 to Point/Station      504.500
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   640.000(Ft.)
Top (of initial area) elevation =  1233.000(Ft.)
Bottom (of initial area) elevation =  1220.000(Ft.)
Difference in elevation =    13.000(Ft.)
Slope =    0.02031  s(percent)=       2.03
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.670 min.
Rainfall intensity =      3.767(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.891
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.900
Decimal fraction soil group C = 0.100
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  75.84
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =     19.264(CFS)
Total initial stream area =        5.740(Ac.)
Pervious area fraction = 0.100


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Process from Point/Station      504.500 to Point/Station      504.600
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of street segment elevation =  1220.000(Ft.)
End of street segment elevation =  1179.000(Ft.)
Length of street segment  =   417.200(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  28.000(Ft.)
Distance from crown to crossfall grade break  =  26.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  11.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     42.650(CFS)
Depth of flow =   0.389(Ft.), Average velocity =   8.906(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  15.197(Ft.)
Flow velocity =   8.91(Ft/s)
Travel time =    0.78 min.     TC =    9.45  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.893
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.240
Decimal fraction soil group C = 0.760
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  82.53
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      3.593(In/Hr) for a   100.0 year storm
Subarea runoff =     46.638(CFS) for     14.530(Ac.)
Total runoff =     65.902(CFS)    Total area =      20.270(Ac.)
Street flow at end of street =     65.902(CFS)
Half street flow at end of street =     32.951(CFS)
Depth of flow =   0.445(Ft.), Average velocity =   9.908(Ft/s)
Flow width (from curb towards crown)=  18.002(Ft.)


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Process from Point/Station      504.600 to Point/Station      504.600
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.854
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  87.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =     9.45 min.
Rainfall intensity =      3.593(In/Hr) for a   100.0 year storm
Subarea runoff =      6.599(CFS) for      2.150(Ac.)
Total runoff =     72.500(CFS)    Total area =      22.420(Ac.)


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Process from Point/Station      504.600 to Point/Station      504.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1173.000(Ft.)
Downstream point/station elevation =  1172.000(Ft.)
Pipe length  =   290.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    72.500(CFS)
Nearest computed pipe diameter  =     45.00(In.)
Calculated individual pipe flow  =    72.500(CFS)
Normal flow depth in pipe =   37.78(In.)
Flow top width inside pipe =   33.03(In.)
Critical Depth =   31.46(In.)
Pipe flow velocity =      7.32(Ft/s)
Travel time through pipe =    0.66 min.
Time of concentration (TC) =    10.11 min.
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      504.000 to Point/Station      504.000
**** USER DEFINED FLOW INFORMATION AT A POINT ****
----------------------------------------------------------------------
Rainfall intensity =      3.603(In/Hr) for a   100.0 year storm
USER INPUT of soil data for subarea
Runoff Coefficient = 0.887
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.400
Decimal fraction soil group C = 0.600
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  81.60
Pervious area fraction =  0.186; Impervious fraction =  0.814
User specified values are as follows:
TC =   9.40 min.  Rain intensity =       3.60(In/Hr)
Total area =        22.42(Ac.)  Total runoff =     16.60(CFS)
```

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Process from Point/Station      504.000 to Point/Station      504.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 3
Stream flow area =     22.420(Ac.)
Runoff from this stream =     16.600(CFS)
Time of concentration =    9.40 min.
Rainfall intensity =     3.603(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       10.430     15.03           2.784
2       27.087     12.31           3.106
3       16.600      9.40           3.603
Largest stream flow has longer or shorter time of concentration
Qp =     27.087 + sum of
           Qa          Tb/Ta
           10.430 *    0.819 =      8.545
           Qb         Ia/Ib
           16.600 *    0.862 =     14.311
Qp =     49.943

Total of 3 main streams to confluence:
Flow rates before confluence point:
      10.430      27.087      16.600
Area of streams before confluence:
        4.110       23.020       22.420


Results of confluence:
Total flow rate =     49.943(CFS)
Time of concentration =    12.311 min.
Effective stream area after confluence  =     49.550(Ac.)
```

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Process from Point/Station      504.000 to Point/Station      505.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1172.000(Ft.)
Downstream point/station elevation =  1100.000(Ft.)
Pipe length  =   952.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    49.943(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    49.943(CFS)
Normal flow depth in pipe =   16.29(In.)
Flow top width inside pipe =   22.41(In.)
Critical depth could not be calculated.
Pipe flow velocity =     22.02(Ft/s)
Travel time through pipe =    0.72 min.
Time of concentration (TC) =    13.03 min.
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      505.000 to Point/Station      505.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.893
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.170
Decimal fraction soil group C = 0.830
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  83.07
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    13.03 min.
Rainfall intensity =      3.011(In/Hr) for a   100.0 year storm
Subarea runoff =      5.831(CFS) for      2.170(Ac.)
Total runoff =     55.774(CFS)    Total area =      51.720(Ac.)
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      505.000 to Point/Station      505.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.892
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.280
Decimal fraction soil group C = 0.720
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  82.22
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    13.03 min.
Rainfall intensity =      3.011(In/Hr) for a   100.0 year storm
Subarea runoff =      3.707(CFS) for      1.380(Ac.)
Total runoff =     59.481(CFS)    Total area =      53.100(Ac.)
```

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Process from Point/Station      505.000 to Point/Station      506.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1100.000(Ft.)
Downstream point/station elevation =  1096.000(Ft.)
Pipe length  =    62.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    59.481(CFS)
Nearest computed pipe diameter  =     24.00(In.)
Calculated individual pipe flow  =    59.481(CFS)
Normal flow depth in pipe =   20.53(In.)
Flow top width inside pipe =   16.88(In.)
Critical depth could not be calculated.
Pipe flow velocity =     20.79(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =    13.08 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      506.000 to Point/Station      506.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     53.100(Ac.)
Runoff from this stream =     59.481(CFS)
Time of concentration =   13.08 min.
Rainfall intensity =     3.004(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station      506.100 to Point/Station      506.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   915.000(Ft.)
Top (of initial area) elevation =  1190.000(Ft.)
Bottom (of initial area) elevation =  1138.000(Ft.)
Difference in elevation =    52.000(Ft.)
Slope =    0.05683  s(percent)=       5.68
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.143 min.
Rainfall intensity =      3.899(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.893
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.570
Decimal fraction soil group C = 0.430
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  79.27
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =     29.934(CFS)
Total initial stream area =        8.600(Ac.)
Pervious area fraction = 0.100
```

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Process from Point/Station      506.200 to Point/Station      506.300
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of street segment elevation =  1138.000(Ft.)
End of street segment elevation =  1126.500(Ft.)
Length of street segment  =  1158.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  28.000(Ft.)
Distance from crown to crossfall grade break  =  26.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  11.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     62.707(CFS)
Depth of flow =   0.642(Ft.), Average velocity =   3.762(Ft/s)
Warning: depth of flow exceeds top of curb
Distance that curb overflow reaches into property =    7.08(Ft.)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  27.834(Ft.)
Flow velocity =   3.76(Ft/s)
Travel time =    5.13 min.     TC =   13.27  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.890
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.680
Decimal fraction soil group C = 0.320
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  78.13
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      2.981(In/Hr) for a   100.0 year storm
Subarea runoff =     65.361(CFS) for     24.640(Ac.)
Total runoff =     95.295(CFS)    Total area =      33.240(Ac.)
Street flow at end of street =     95.295(CFS)
Half street flow at end of street =     47.647(CFS)
Depth of flow =   0.719(Ft.), Average velocity =   4.261(Ft/s)
Warning: depth of flow exceeds top of curb
Note:  depth of flow exceeds top of street crown.
Distance that curb overflow reaches into property =   10.93(Ft.)
Flow width (from curb towards crown)=  28.000(Ft.)


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Process from Point/Station      506.300 to Point/Station      506.400
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of street segment elevation =  1126.500(Ft.)
End of street segment elevation =  1104.000(Ft.)
Length of street segment  =  1148.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  28.000(Ft.)
Distance from crown to crossfall grade break  =  26.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
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Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  11.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =    144.905(CFS)
Depth of flow =   0.733(Ft.), Average velocity =   6.174(Ft/s)
Warning: depth of flow exceeds top of curb
Note:  depth of flow exceeds top of street crown.
Distance that curb overflow reaches into property =   11.64(Ft.)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  28.000(Ft.)
Flow velocity =   6.17(Ft/s)
Travel time =    3.10 min.     TC =   16.37  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.890
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.440
Decimal fraction soil group C = 0.560
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  80.62
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      2.656(In/Hr) for a   100.0 year storm
Subarea runoff =     99.043(CFS) for     41.890(Ac.)
Total runoff =    194.337(CFS)    Total area =      75.130(Ac.)
Street flow at end of street =    194.337(CFS)
Half street flow at end of street =     97.169(CFS)
Depth of flow =   0.791(Ft.), Average velocity =   6.943(Ft/s)
Warning: depth of flow exceeds top of curb
Note:  depth of flow exceeds top of street crown.
Distance that curb overflow reaches into property =   14.54(Ft.)
Flow width (from curb towards crown)=  28.000(Ft.)


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Process from Point/Station      506.400 to Point/Station      506.400
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.831
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.200
Decimal fraction soil group C = 0.800
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  85.84
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    16.37 min.
Rainfall intensity =      2.656(In/Hr) for a   100.0 year storm
Subarea runoff =     14.811(CFS) for      6.710(Ac.)
Total runoff =    209.148(CFS)    Total area =      81.840(Ac.)


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Process from Point/Station      506.400 to Point/Station      506.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1098.000(Ft.)
Downstream point/station elevation =  1097.000(Ft.)
Pipe length  =   115.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   209.148(CFS)
Nearest computed pipe diameter  =     57.00(In.)
Calculated individual pipe flow  =   209.148(CFS)
Normal flow depth in pipe =   46.13(In.)
Flow top width inside pipe =   44.79(In.)
Critical Depth =   49.47(In.)
Pipe flow velocity =     13.63(Ft/s)
Travel time through pipe =    0.14 min.
Time of concentration (TC) =    16.51 min.


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Process from Point/Station      506.500 to Point/Station      506.500
**** USER DEFINED FLOW INFORMATION AT A POINT ****
________________________________________________________________________
Rainfall intensity =      2.662(In/Hr) for a   100.0 year storm
USER INPUT of soil data for subarea
Runoff Coefficient = 0.883
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.500
Decimal fraction soil group C = 0.500
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  80.24
Pervious area fraction =  0.174; Impervious fraction =  0.826
User specified values are as follows:
TC =  16.30 min.  Rain intensity =       2.66(In/Hr)
Total area =        81.84(Ac.)  Total runoff =     60.80(CFS)


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Process from Point/Station      506.500 to Point/Station      506.500
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     81.840(Ac.)
Runoff from this stream =     60.800(CFS)
Time of concentration =   16.30 min.
Rainfall intensity =     2.662(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      506.510 to Point/Station      506.520
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   898.000(Ft.)
Top (of initial area) elevation =  1575.000(Ft.)
Bottom (of initial area) elevation =  1184.000(Ft.)
Difference in elevation =   391.000(Ft.)
Slope =    0.43541  s(percent)=      43.54
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.502 min.
Rainfall intensity =      3.582(In/Hr) for a   100.0 year storm
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UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.881
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     26.527(CFS)
Total initial stream area =        8.410(Ac.)
Pervious area fraction = 1.000


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      506.520 to Point/Station      506.530
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1184.000(Ft.)
Downstream point/station elevation =  1131.000(Ft.)
Pipe length  =   500.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    26.527(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =    26.527(CFS)
Normal flow depth in pipe =   11.91(In.)
Flow top width inside pipe =   17.04(In.)
Critical depth could not be calculated.
Pipe flow velocity =     21.38(Ft/s)
Travel time through pipe =    0.39 min.
Time of concentration (TC) =     9.89 min.


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Process from Point/Station      506.530 to Point/Station      506.530
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =     9.89 min.
Rainfall intensity =      3.504(In/Hr) for a   100.0 year storm
Subarea runoff =     13.414(CFS) for      4.350(Ac.)
Total runoff =     39.941(CFS)    Total area =      12.760(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      506.530 to Point/Station      506.540
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1131.000(Ft.)
Downstream point/station elevation =  1125.000(Ft.)
Pipe length  =   745.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    39.941(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    39.941(CFS)
Normal flow depth in pipe =   23.20(In.)
Flow top width inside pipe =   30.15(In.)
Critical Depth =   25.24(In.)
Pipe flow velocity =      8.96(Ft/s)
Travel time through pipe =    1.39 min.
Time of concentration (TC) =    11.28 min.


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Process from Point/Station      506.540 to Point/Station      506.540
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.879
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    11.28 min.
Rainfall intensity =      3.260(In/Hr) for a   100.0 year storm
Subarea runoff =     12.632(CFS) for      4.410(Ac.)
Total runoff =     52.573(CFS)    Total area =      17.170(Ac.)


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Process from Point/Station      506.540 to Point/Station      506.550
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1125.000(Ft.)
Downstream point/station elevation =  1122.000(Ft.)
Pipe length  =   272.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    52.573(CFS)
Nearest computed pipe diameter  =     33.00(In.)
Calculated individual pipe flow  =    52.573(CFS)
Normal flow depth in pipe =   25.59(In.)
Flow top width inside pipe =   27.54(In.)
Critical Depth =   28.49(In.)
Pipe flow velocity =     10.64(Ft/s)
Travel time through pipe =    0.43 min.
Time of concentration (TC) =    11.70 min.


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Process from Point/Station      506.550 to Point/Station      506.550
**** SUBAREA FLOW ADDITION ****
______________________________________________________________________________
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.878
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    11.70 min.
Rainfall intensity =      3.194(In/Hr) for a   100.0 year storm
Subarea runoff =     18.991(CFS) for      6.770(Ac.)
Total runoff =     71.564(CFS)    Total area =      23.940(Ac.)
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Process from Point/Station      506.550 to Point/Station      506.560
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1122.000(Ft.)
Downstream point/station elevation =  1119.000(Ft.)
Pipe length  =   333.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    71.564(CFS)
Nearest computed pipe diameter  =     39.00(In.)
Calculated individual pipe flow  =    71.564(CFS)
Normal flow depth in pipe =   29.30(In.)
Flow top width inside pipe =   33.72(In.)
Critical Depth =   32.21(In.)
Pipe flow velocity =     10.71(Ft/s)
Travel time through pipe =    0.52 min.
Time of concentration (TC) =    12.22 min.


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Process from Point/Station      506.560 to Point/Station      506.560
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.878
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    12.22 min.
Rainfall intensity =      3.119(In/Hr) for a   100.0 year storm
Subarea runoff =     10.156(CFS) for      3.710(Ac.)
Total runoff =     81.720(CFS)    Total area =      27.650(Ac.)


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Process from Point/Station      506.560 to Point/Station      506.500
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1119.000(Ft.)
Downstream point/station elevation =  1097.000(Ft.)
Pipe length  =  1176.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    81.720(CFS)
Nearest computed pipe diameter  =     36.00(In.)
Calculated individual pipe flow  =    81.720(CFS)
Normal flow depth in pipe =   26.58(In.)
Flow top width inside pipe =   31.65(In.)
Critical Depth =   33.44(In.)
Pipe flow velocity =     14.60(Ft/s)
Travel time through pipe =    1.34 min.
Time of concentration (TC) =    13.57 min.


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Process from Point/Station      506.500 to Point/Station      506.500
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =     27.650(Ac.)
Runoff from this stream =     81.720(CFS)
Time of concentration =   13.57 min.
Rainfall intensity =     2.945(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       60.800     16.30                 2.662
2       81.720     13.57                 2.945
Largest stream flow has longer or shorter time of concentration
Qp =     81.720 + sum of
           Qa          Tb/Ta
           60.800 *    0.832 =     50.599
Qp =    132.319

Total of 2 streams to confluence:
Flow rates before confluence point:
      60.800      81.720
Area of streams before confluence:
       81.840       27.650
Results of confluence:
Total flow rate =    132.319(CFS)
Time of concentration =    13.565 min.
Effective stream area after confluence =    109.490(Ac.)


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Process from Point/Station      506.500 to Point/Station      506.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1097.000(Ft.)
Downstream point/station elevation =  1096.000(Ft.)
Pipe length  =   144.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   132.319(CFS)
Nearest computed pipe diameter  =     51.00(In.)
Calculated individual pipe flow  =   132.319(CFS)
Normal flow depth in pipe =   39.28(In.)
Flow top width inside pipe =   42.91(In.)
Critical Depth =   41.04(In.)
Pipe flow velocity =     11.28(Ft/s)
Travel time through pipe =    0.21 min.
Time of concentration (TC) =    13.78 min.
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Process from Point/Station      506.000 to Point/Station      506.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =    109.490(Ac.)
Runoff from this stream =    132.319(CFS)
Time of concentration =   13.78 min.
Rainfall intensity =     2.920(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1       59.481     13.08           3.004
2      132.319     13.78           2.920
Largest stream flow has longer time of concentration
Qp =    132.319 + sum of
           Qb         Ia/Ib
           59.481 *    0.972 =     57.808
Qp =    190.127

Total of 2 main streams to confluence:
Flow rates before confluence point:
      59.481     132.319
Area of streams before confluence:
       53.100      109.490


Results of confluence:
Total flow rate =    190.127(CFS)
Time of concentration =    13.778 min.
Effective stream area after confluence  =    162.590(Ac.)


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Process from Point/Station      506.000 to Point/Station      507.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
______________________________________________________________________________
Upstream point/station elevation =  1096.000(Ft.)
Downstream point/station elevation =  1056.000(Ft.)
Pipe length  =   415.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   190.127(CFS)
Nearest computed pipe diameter  =     36.00(In.)
Calculated individual pipe flow  =   190.127(CFS)
Normal flow depth in pipe =   27.14(In.)
Flow top width inside pipe =   31.01(In.)
Critical depth could not be calculated.
Pipe flow velocity =     33.23(Ft/s)
Travel time through pipe =    0.21 min.
Time of concentration (TC) =    13.99 min.
```

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      507.000 to Point/Station      507.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =    162.590(Ac.)
Runoff from this stream =    190.127(CFS)
Time of concentration =   13.99 min.
Rainfall intensity =     2.896(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      507.100 to Point/Station      507.200
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   740.000(Ft.)
Top (of initial area) elevation =  1535.000(Ft.)
Bottom (of initial area) elevation =  1205.000(Ft.)
Difference in elevation =   330.000(Ft.)
Slope =    0.44595  s(percent)=      44.59
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.752 min.
Rainfall intensity =      3.748(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.881
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     29.729(CFS)
Total initial stream area =        9.000(Ac.)
Pervious area fraction = 1.000


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      507.200 to Point/Station      507.300
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of natural channel elevation =   1205.000(Ft.)
End of natural channel elevation =   1080.000(Ft.)
Length of natural channel  =   640.000(Ft.)
Estimated mean flow rate at midpoint of channel =     62.712(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  18.27(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.1953
Corrected/adjusted channel slope =  0.1953
Travel time =    0.58 min.     TC =    9.34  min.


 Adding area flow to channel
```

```
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.881
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  94.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      3.617(In/Hr) for a   100.0 year storm
Subarea runoff =     63.616(CFS) for     19.970(Ac.)
Total runoff =     93.345(CFS)    Total area =      28.970(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      507.300 to Point/Station      507.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1080.000(Ft.)
Downstream point/station elevation =  1067.000(Ft.)
Pipe length  =   980.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    93.345(CFS)
Nearest computed pipe diameter  =     39.00(In.)
Calculated individual pipe flow  =    93.345(CFS)
Normal flow depth in pipe =   31.31(In.)
Flow top width inside pipe =   31.03(In.)
Critical Depth =   35.56(In.)
Pipe flow velocity =     13.07(Ft/s)
Travel time through pipe =    1.25 min.
Time of concentration (TC) =    10.59 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      507.400 to Point/Station      507.400
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =     28.970(Ac.)
Runoff from this stream =     93.345(CFS)
Time of concentration =   10.59 min.
Rainfall intensity =     3.375(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      507.410 to Point/Station      507.420
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =  1000.000(Ft.)
Top (of initial area) elevation =  1220.000(Ft.)
Bottom (of initial area) elevation =  1084.000(Ft.)
Difference in elevation =   136.000(Ft.)
Slope =    0.13600  s(percent)=      13.60
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.086 min.
Rainfall intensity =      4.209(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.895
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.130
Decimal fraction soil group C = 0.870
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  83.39
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =     39.277(CFS)
Total initial stream area =       10.430(Ac.)
Pervious area fraction = 0.100


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      507.420 to Point/Station      507.430
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =  1084.500(Ft.)
End of street segment elevation =  1081.000(Ft.)
Length of street segment  =   206.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  28.000(Ft.)
Distance from crown to crossfall grade break  =  26.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  11.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     51.044(CFS)
Depth of flow =   0.551(Ft.), Average velocity =   4.585(Ft/s)
Warning: depth of flow exceeds top of curb
Distance that curb overflow reaches into property =    2.53(Ft.)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  23.276(Ft.)
Flow velocity =   4.58(Ft/s)
Travel time =    0.75 min.     TC =    7.84  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.893
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.570
Decimal fraction soil group C = 0.430
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  79.27
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      3.983(In/Hr) for a   100.0 year storm
Subarea runoff =     23.362(CFS) for      6.570(Ac.)
Total runoff =     62.639(CFS)    Total area =      17.000(Ac.)
Street flow at end of street =     62.639(CFS)
Half street flow at end of street =     31.319(CFS)
Depth of flow =   0.590(Ft.), Average velocity =   4.708(Ft/s)
Warning: depth of flow exceeds top of curb
Distance that curb overflow reaches into property =    4.48(Ft.)
Flow width (from curb towards crown)=  25.233(Ft.)
```

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Process from Point/Station      507.430 to Point/Station      507.430
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.838
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.700
Decimal fraction soil group C = 0.300
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  81.92
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =     7.84 min.
Rainfall intensity =      3.983(In/Hr) for a   100.0 year storm
Subarea runoff =     10.949(CFS) for      3.280(Ac.)
Total runoff =     73.587(CFS)    Total area =      20.280(Ac.)


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Process from Point/Station      507.430 to Point/Station      507.400
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1068.000(Ft.)
Downstream point/station elevation =  1067.000(Ft.)
Pipe length  =   150.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    73.587(CFS)
Nearest computed pipe diameter  =     42.00(In.)
Calculated individual pipe flow  =    73.587(CFS)
Normal flow depth in pipe =   31.03(In.)
Flow top width inside pipe =   36.90(In.)
Critical Depth =   32.25(In.)
Pipe flow velocity =      9.66(Ft/s)
Travel time through pipe =    0.26 min.
Time of concentration (TC) =     8.09 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      507.400 to Point/Station      507.400
**** USER DEFINED FLOW INFORMATION AT A POINT ****
----------------------------------------------------------------------
Rainfall intensity =      3.993(In/Hr) for a   100.0 year storm
USER INPUT of soil data for subarea
Runoff Coefficient = 0.885
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.300
Decimal fraction soil group C = 0.700
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  82.06
Pervious area fraction =  0.246; Impervious fraction =  0.754
User specified values are as follows:
TC =   7.80 min.  Rain intensity =       3.99(In/Hr)
Total area =        20.28(Ac.)  Total runoff =     13.30(CFS)
```

BASIN I

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Process from Point/Station      507.400 to Point/Station      507.400
**** CONFLUENCE OF MINOR STREAMS ****
----------------------------------------------------------------------
Along Main Stream number: 2 in normal stream number 2
Stream flow area =     20.280(Ac.)
Runoff from this stream =     13.300(CFS)
Time of concentration =    7.80 min.
Rainfall intensity =     3.993(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       93.345     10.59                 3.375
2       13.300      7.80                 3.993
Largest stream flow has longer time of concentration
Qp =     93.345 + sum of
           Qb         Ia/Ib
           13.300 *    0.845 =     11.244
Qp =    104.588

Total of 2 streams to confluence:
Flow rates before confluence point:
      93.345      13.300
Area of streams before confluence:
       28.970       20.280
Results of confluence:
Total flow rate =    104.588(CFS)
Time of concentration =    10.586 min.
Effective stream area after confluence =     49.250(Ac.)


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Process from Point/Station      507.400 to Point/Station      507.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------
Upstream point/station elevation =  1067.000(Ft.)
Downstream point/station elevation =  1056.000(Ft.)
Pipe length  =   122.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   104.588(CFS)
Nearest computed pipe diameter  =     30.00(In.)
Calculated individual pipe flow  =   104.588(CFS)
Normal flow depth in pipe =   21.23(In.)
Flow top width inside pipe =   27.29(In.)
Critical depth could not be calculated.
Pipe flow velocity =     28.16(Ft/s)
Travel time through pipe =    0.07 min.
Time of concentration (TC) =    10.66 min.
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      507.000 to Point/Station      507.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     49.250(Ac.)
Runoff from this stream =    104.588(CFS)
Time of concentration =   10.66 min.
Rainfall intensity =     3.363(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1      190.127     13.99           2.896
2      104.588     10.66           3.363
Largest stream flow has longer time of concentration
Qp =    190.127 + sum of
           Qb         Ia/Ib
          104.588 *    0.861 =     90.069
Qp =    280.196

Total of 2 main streams to confluence:
Flow rates before confluence point:
     190.127     104.588
Area of streams before confluence:
      162.590       49.250


Results of confluence:
Total flow rate =    280.196(CFS)
Time of concentration =    13.986 min.
Effective stream area after confluence  =    211.840(Ac.)


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Process from Point/Station      507.000 to Point/Station      508.100
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1056.000(Ft.)
Downstream point/station elevation =   979.000(Ft.)
Pipe length  =   554.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   280.196(CFS)
Nearest computed pipe diameter  =     39.00(In.)
Calculated individual pipe flow  =   280.196(CFS)
Normal flow depth in pipe =   29.20(In.)
Flow top width inside pipe =   33.83(In.)
Critical depth could not be calculated.
Pipe flow velocity =     42.05(Ft/s)
Travel time through pipe =    0.22 min.
Time of concentration (TC) =    14.21 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      508.100 to Point/Station      508.200
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =   979.000(Ft.)
Downstream point/station elevation =   978.000(Ft.)
Pipe length  =    54.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   280.196(CFS)
Nearest computed pipe diameter  =     54.00(In.)
Calculated individual pipe flow  =   280.196(CFS)
Normal flow depth in pipe =   46.97(In.)
Flow top width inside pipe =   36.35(In.)
Critical depth could not be calculated.
Pipe flow velocity =     19.08(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =    14.25 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      508.200 to Point/Station      508.200
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------
UNDEVELOPED (fair cover) subarea
Runoff Coefficient = 0.829
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  1.000; Impervious fraction =  0.000
Time of concentration =    14.25 min.
Rainfall intensity =      2.866(In/Hr) for a   100.0 year storm
Subarea runoff =     18.503(CFS) for      7.790(Ac.)
Total runoff =    298.698(CFS)    Total area =     219.630(Ac.)


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Process from Point/Station      508.200 to Point/Station      508.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =   978.000(Ft.)
Downstream point/station elevation =   977.000(Ft.)
Pipe length  =    56.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   298.698(CFS)
Nearest computed pipe diameter  =     57.00(In.)
Calculated individual pipe flow  =   298.698(CFS)
Normal flow depth in pipe =   45.94(In.)
Flow top width inside pipe =   45.09(In.)
Critical depth could not be calculated.
Pipe flow velocity =     19.53(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =    14.30 min.
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      508.000 to Point/Station      508.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.888
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    14.30 min.
Rainfall intensity =      2.861(In/Hr) for a   100.0 year storm
Subarea runoff =      7.086(CFS) for      2.790(Ac.)
Total runoff =    305.784(CFS)    Total area =     222.420(Ac.)


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Process from Point/Station      508.000 to Point/Station      508.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
COMMERCIAL subarea type
Runoff Coefficient = 0.888
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Time of concentration =    14.30 min.
Rainfall intensity =      2.861(In/Hr) for a   100.0 year storm
Subarea runoff =      7.467(CFS) for      2.940(Ac.)
Total runoff =    313.251(CFS)    Total area =     225.360(Ac.)


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Process from Point/Station      508.000 to Point/Station      509.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =   977.000(Ft.)
Downstream point/station elevation =   871.000(Ft.)
Pipe length  =  1185.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   313.251(CFS)
Nearest computed pipe diameter  =     42.00(In.)
Calculated individual pipe flow  =   313.251(CFS)
Normal flow depth in pipe =   36.19(In.)
Flow top width inside pipe =   29.01(In.)
Critical depth could not be calculated.
Pipe flow velocity =     35.51(Ft/s)
Travel time through pipe =    0.56 min.
Time of concentration (TC) =    14.86 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      509.000 to Point/Station      509.000
**** CONFLUENCE OF MAIN STREAMS ****
----------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =    225.360(Ac.)
Runoff from this stream =    313.251(CFS)
Time of concentration =   14.86 min.
Rainfall intensity =     2.801(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station      509.100 to Point/Station      509.200
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------------
Initial area flow distance =  1020.000(Ft.)
Top (of initial area) elevation =  1390.000(Ft.)
Bottom (of initial area) elevation =  1008.000(Ft.)
Difference in elevation =   382.000(Ft.)
Slope =    0.37451  s(percent)=      37.45
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.304 min.
Rainfall intensity =      3.426(In/Hr) for a   100.0 year storm
UNDEVELOPED (poor cover) subarea
Runoff Coefficient = 0.873
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.430
Decimal fraction soil group C = 0.570
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  92.54
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =     34.169(CFS)
Total initial stream area =       11.430(Ac.)
Pervious area fraction = 1.000


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      509.200 to Point/Station      509.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
Top of street segment elevation =  1008.000(Ft.)
End of street segment elevation =   871.000(Ft.)
Length of street segment  =   964.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  28.000(Ft.)
Distance from crown to crossfall grade break  =  26.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  11.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =     78.543(CFS)
Depth of flow =   0.444(Ft.), Average velocity =  11.889(Ft/s)
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Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  17.939(Ft.)
Flow velocity =  11.89(Ft/s)
Travel time =    1.35 min.     TC =   11.66  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.890
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.800
Decimal fraction soil group C = 0.200
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  76.88
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      3.201(In/Hr) for a   100.0 year storm
Subarea runoff =     88.607(CFS) for     31.100(Ac.)
Total runoff =    122.776(CFS)    Total area =      42.530(Ac.)
Street flow at end of street =    122.776(CFS)
Half street flow at end of street =     61.388(CFS)
Depth of flow =   0.514(Ft.), Average velocity =  13.071(Ft/s)
Warning: depth of flow exceeds top of curb
Distance that curb overflow reaches into property =    0.71(Ft.)
Flow width (from curb towards crown)=  21.463(Ft.)


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Process from Point/Station      509.000 to Point/Station      509.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     42.530(Ac.)
Runoff from this stream =    122.776(CFS)
Time of concentration =   11.66 min.
Rainfall intensity =     3.201(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1      313.251     14.86           2.801
2      122.776     11.66           3.201
Largest stream flow has longer time of concentration
Qp =    313.251 + sum of
          Qb         Ia/Ib
         122.776 *    0.875 =    107.436
Qp =    420.687

Total of 2 main streams to confluence:
Flow rates before confluence point:
     313.251     122.776
Area of streams before confluence:
      225.360       42.530


Results of confluence:
Total flow rate =    420.687(CFS)
Time of concentration =    14.857 min.
Effective stream area after confluence  =    267.890(Ac.)


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Process from Point/Station      509.000 to Point/Station      510.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =   871.000(Ft.)
Downstream point/station elevation =   857.940(Ft.)
Pipe length  =  1370.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   420.687(CFS)
Nearest computed pipe diameter  =     72.00(In.)
Calculated individual pipe flow  =   420.687(CFS)
Normal flow depth in pipe =   60.19(In.)
Flow top width inside pipe =   53.33(In.)
Critical Depth =   65.08(In.)
Pipe flow velocity =     16.66(Ft/s)
Travel time through pipe =    1.37 min.
Time of concentration (TC) =    16.23 min.


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Process from Point/Station      510.000 to Point/Station      510.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =    267.890(Ac.)
Runoff from this stream =    420.687(CFS)
Time of concentration =   16.23 min.
Rainfall intensity =     2.669(In/Hr)
Program is now starting with Main Stream No. 2


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Process from Point/Station      510.100 to Point/Station      510.200
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   614.000(Ft.)
Top (of initial area) elevation =   965.000(Ft.)
Bottom (of initial area) elevation =   915.000(Ft.)
Difference in elevation =    50.000(Ft.)
Slope =    0.08143  s(percent)=       8.14
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    6.460 min.
Rainfall intensity =      4.429(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.892
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =     16.943(CFS)
Total initial stream area =        4.290(Ac.)
Pervious area fraction = 0.100
```

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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      510.200 to Point/Station      510.000
**** NATURAL CHANNEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of natural channel elevation =    915.000(Ft.)
End of natural channel elevation =    857.940(Ft.)
Length of natural channel  =   812.000(Ft.)
Estimated mean flow rate at midpoint of channel =     50.453(CFS)

Natural valley channel type used
L.A. County flood control district formula for channel velocity:
 Velocity(ft/s) = (7 + 8(q(English Units)^.352)(slope^0.5)
Velocity using mean channel flow =  10.29(Ft/s)

Correction to map slope used on extremely rugged channels with
drops and waterfalls (Plate D-6.2)
        Normal channel slope =  0.0703
Corrected/adjusted channel slope =  0.0703
Travel time =    1.32 min.     TC =    7.78  min.


 Adding area flow to channel
COMMERCIAL subarea type
Runoff Coefficient = 0.891
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  74.80
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      4.000(In/Hr) for a   100.0 year storm
Subarea runoff =     60.470(CFS) for     16.970(Ac.)
Total runoff =     77.413(CFS)    Total area =      21.260(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      510.000 to Point/Station      510.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     21.260(Ac.)
Runoff from this stream =     77.413(CFS)
Time of concentration =    7.78 min.
Rainfall intensity =     4.000(In/Hr)
Program is now starting with Main Stream No. 3


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      510.110 to Point/Station      510.120
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =  1015.000(Ft.)
Top (of initial area) elevation =  1465.000(Ft.)
Bottom (of initial area) elevation =  1070.000(Ft.)
Difference in elevation =   395.000(Ft.)
Slope =    0.38916  s(percent)=      38.92
TC = k(0.300)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    5.777 min.
Rainfall intensity =      4.710(In/Hr) for a   100.0 year storm
COMMERCIAL subarea type
Runoff Coefficient = 0.896
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 1.000
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  84.40
Pervious area fraction =  0.100; Impervious fraction =  0.900
Initial subarea runoff =     36.146(CFS)
Total initial stream area =        8.570(Ac.)
Pervious area fraction = 0.100


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      510.120 to Point/Station      510.130
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of street segment elevation =  1070.000(Ft.)
End of street segment elevation =   950.000(Ft.)
Length of street segment  =   951.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  28.000(Ft.)
Distance from crown to crossfall grade break  =  26.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  11.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =    124.102(CFS)
Depth of flow =   0.528(Ft.), Average velocity =  12.366(Ft/s)
Warning: depth of flow exceeds top of curb
Distance that curb overflow reaches into property =    1.41(Ft.)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  22.165(Ft.)
Flow velocity =  12.37(Ft/s)
Travel time =    1.28 min.     TC =    7.06  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.893
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.630
Decimal fraction soil group C = 0.370
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  78.65
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      4.218(In/Hr) for a   100.0 year storm
Subarea runoff =    175.743(CFS) for     46.660(Ac.)
Total runoff =    211.889(CFS)    Total area =      55.230(Ac.)
Street flow at end of street =    211.889(CFS)
Half street flow at end of street =    105.945(CFS)
Depth of flow =   0.631(Ft.), Average velocity =  13.284(Ft/s)
Warning: depth of flow exceeds top of curb
Distance that curb overflow reaches into property =    6.56(Ft.)
Flow width (from curb towards crown)=  27.312(Ft.)
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++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      510.130 to Point/Station      510.140
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =   950.000(Ft.)
End of street segment elevation =   865.000(Ft.)
Length of street segment  =  1656.000(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  28.000(Ft.)
Distance from crown to crossfall grade break  =  26.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [2] side(s) of the street
Distance from curb to property line  =  11.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  1.500(In.)
 Manning's N in gutter =  0.0150
 Manning's N from gutter to grade break =  0.0150
 Manning's N from grade break to crown =  0.0150
Estimated mean flow rate at midpoint of street =    336.634(CFS)
Depth of flow =   0.806(Ft.), Average velocity =  11.546(Ft/s)
Warning: depth of flow exceeds top of curb
Note:  depth of flow exceeds top of street crown.
Distance that curb overflow reaches into property =   15.29(Ft.)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  28.000(Ft.)
Flow velocity =  11.55(Ft/s)
Travel time =    2.39 min.     TC =    9.45  min.
 Adding area flow to street
COMMERCIAL subarea type
Runoff Coefficient = 0.890
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.900
Decimal fraction soil group C = 0.100
Decimal fraction soil group D = 0.000
RI index for soil(AMC 3)  =  75.84
Pervious area fraction =  0.100; Impervious fraction =  0.900
Rainfall intensity =      3.593(In/Hr) for a   100.0 year storm
Subarea runoff =    249.376(CFS) for     77.940(Ac.)
Total runoff =    461.265(CFS)    Total area =     133.170(Ac.)
Street flow at end of street =    461.265(CFS)
Half street flow at end of street =    230.632(CFS)
Depth of flow =   0.883(Ft.), Average velocity =  13.096(Ft/s)
Warning: depth of flow exceeds top of curb
Note:  depth of flow exceeds top of street crown.
Distance that curb overflow reaches into property =   19.17(Ft.)
Flow width (from curb towards crown)=  28.000(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      510.140 to Point/Station      510.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =   865.000(Ft.)
Downstream point/station elevation =   857.900(Ft.)
Pipe length  =   660.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =   461.265(CFS)
Nearest computed pipe diameter  =     72.00(In.)
Calculated individual pipe flow  =   461.265(CFS)
Normal flow depth in pipe =   63.00(In.)
Flow top width inside pipe =   47.62(In.)
Critical Depth =   66.77(In.)
Pipe flow velocity =     17.59(Ft/s)
Travel time through pipe =    0.63 min.
Time of concentration (TC) =    10.07 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      510.000 to Point/Station      510.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 3
Stream flow area =    133.170(Ac.)
Runoff from this stream =    461.265(CFS)
Time of concentration =   10.07 min.
Rainfall intensity =     3.469(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1      420.687     16.23           2.669
2       77.413      7.78           4.000
3      461.265     10.07           3.469
Largest stream flow has longer or shorter time of concentration
Qp =    461.265 + sum of
          Qa          Tb/Ta
         420.687 *    0.621 =    261.164
          Qb         Ia/Ib
          77.413 *    0.867 =     67.135
Qp =    789.564

Total of 3 main streams to confluence:
Flow rates before confluence point:
     420.687      77.413     461.265
Area of streams before confluence:
      267.890       21.260      133.170


Results of confluence:
Total flow rate =    789.564(CFS)
Time of concentration =    10.074 min.
Effective stream area after confluence  =    422.320(Ac.)
End of computations, total study area =          563.55 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.278
Area averaged RI index number =  64.7
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RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

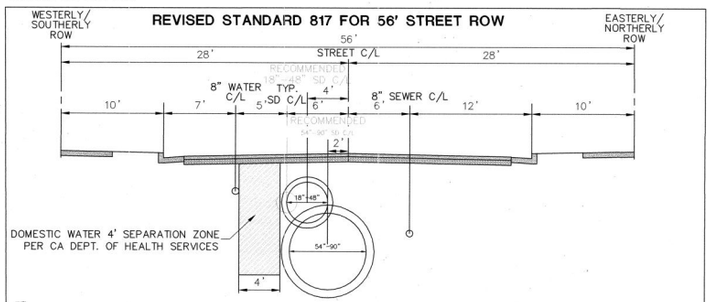
STORM DRAIN IMPROVEMENT PLAN

TRACT 31894

GENERAL NOTES

1. THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S M.O.U STANDARD SPECIFICATIONS DATED JUNE 24, 2008, AND THE DISTRICT'S STANDARD MANUAL. FOR THE LATEST DRAWINGS OF THE STANDARD MANUAL, PLEASE REFER TO THE "PUBLICATIONS AND RECORDS" PAGE FOUND ON THE DISTRICT'S WEBSITE.
2. CONTACT THE ENCROACHMENT PERMIT ENGINEER AT 951.955.1266 IF AN ENCROACHMENT PERMIT IS REQUIRED FROM THE DISTRICT. AFTER THE PERMIT IS ISSUED THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.
3. CONTACT CONSTRUCTION MANAGEMENT AT 951.955.1288 IF CONSTRUCTION INSPECTION WILL BE PERFORMED BY THE DISTRICT. THE DISTRICT MUST BE NOTIFIED TWENTY DAYS (20) PRIOR TO CONSTRUCTION.
4. ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
5. STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE INTERSECTION STATIONS.
6. FORTY-EIGHT HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT 1-800-227-2600.
7. ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON THE VERTICAL DATUM IS DERIVED FROM (VGVD29). THE HORIZONTAL DATUM IS DERIVED FROM NAD83(NSRS2011) EPOCH 2010.00, AND CALIFORNIA STATE PLANE, ZONE 6.
8. ALL COORDINATES ARE SHOWN IN FEET AND DECIMALS THEREOF BASED ON THE NORTH AMERICAN DATUM (NAD 83), CALIFORNIA COORDINATE SYSTEM (CCS), ZONE 6 AND EPOCH.
9. ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
10. ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
11. UNLESS OTHERWISE SPECIFIED, MINIMUM STREET RECONSTRUCTION SHALL BE 4" TYPE "B"HOT MIX ASPHALT OVER 6" CLASS 2 AGGREGATE BASE OR AS SPECIFIED BY THE ENGINEER.
12. OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.
13. PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (JS 229) UNLESS OTHERWISE NOTED.
14. PIPE BEDDING SHALL CONFORM TO RCFC&WCD STD. DWG. NO. M815 EXCEPT FOR COVER <2 FEET. FOR COVER <2 FEET, CONCRETE SLURRY (2000 PSI - 2 SACK) SHALL BE USED. THE ENTIRE TRENCH SHALL BE SLURRY EXTENDING 4 INCHES MINIMUM AND 12 INCHES MAXIMUM ABOVE THE TOP OF PIPE.
15. B-# INDICATES SOIL BORING LOCATIONS BASED ON THE SOILS REPORT DATED FEBRUARY 19, 2013. LOCATIONS SHOWN ARE APPROXIMATE.
16. "V" IS THE DEPTH OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.
17. CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT, UNLESS SPECIFIED.
18. ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.
19. STANDARD DRAWINGS CALLED FOR ON THE PLAN AND PROFILE SHALL CONFORM TO DISTRICT STANDARD DRAWINGS UNLESS NOTED OTHERWISE.
20. THE CONTRACTOR IS REQUIRED TO CALL ALL UTILITY AGENCIES REGARDING TEMPORARY SHORING AND SUPPORT REQUIREMENTS FOR THE VARIOUS UTILITY LINES SHOWN ON THESE PLANS.
21. DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHOULD BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.
22. APPROVAL OF THESE PLANS BY THE DISTRICT DOES NOT RELIEVE THE DEVELOPER'S ENGINEER OF RESPONSIBILITY FOR THE ENGINEERING DESIGN. IF FIELD CHANGES ARE REQUIRED, IT WILL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO MAKE THE NECESSARY CORRECTIONS.
23. THE CONTRACTOR OR DEVELOPER SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR STATE AND FEDERAL REGULATORY PERMITS PRIOR TO THE COMMENCEMENT OF ANY WORK.
24. THE CONCRETE COATING ON THE INSIDE OF ALL REINFORCED CONCRETE PIPES MUST BE INCREASED TO PROVIDE A MINIMUM OF 1-1/2 INCHES OVER THE REINFORCING AND INCREASED TO A MINIMUM OF 3-1/2 INCHES OVER REINFORCING FOR BOX CULVERT, WHEN DESIGN VELOCITIES EXCEED 20 FEET PER SECOND. THE CONCRETE DESIGN STRENGTH IN THESE REACHES SHALL BE FC=5,000 PSI FOR VELOCITIES EXCEEDING 20 FEET PER SECOND AND FC=6,000 PSI FOR VELOCITIES EXCEEDING 30 FEET PER SECOND.
25. CONSTRUCTION JOINTS FOR CALTRANS STANDARD REINFORCED CONCRETE BOX SHALL BE PLACED ACCORDING TO THE DISTRICT STANDARD DRAWING NO. BOX 401.

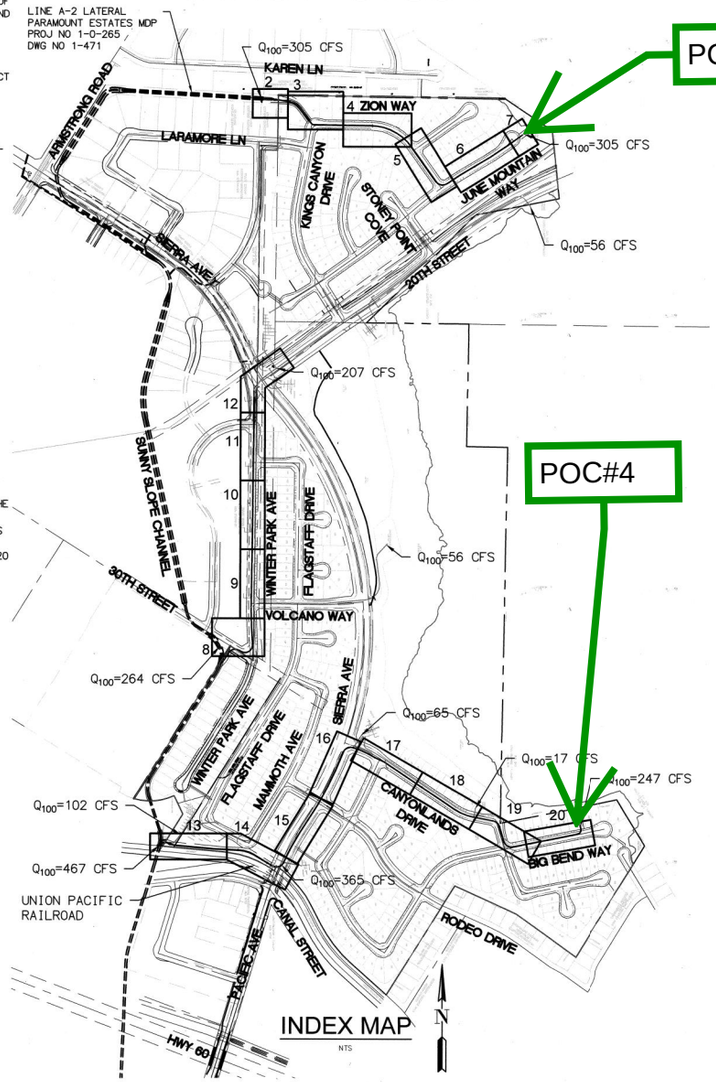
REVISED STANDARD 817 FOR 56' STREET ROW

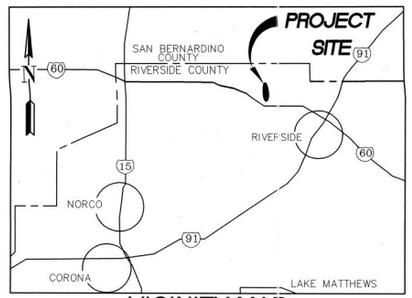


CALIFORNIA DEPARTMENT OF HEALTH SERVICES AND THE WATER DISTRICTS (SUCH AS JCSD/RCSD) REQUIRES A MINIMUM SEPARATION OF 4 FEET FROM THE DOMESTIC WATER LINE TO THE STORM DRAIN SYSTEM. THIS CRITERIA DOES NOT MEET RCTD STANDARD 817 UNDERGROUND UTILITY LOCATIONS. BASED ON RCTD STANDARD 817 THE WATER LINE IS 7 FEET FROM CURB FACE AND THE STORM DRAIN IS 6 FEET FROM CENTERLINE, ON THE SOUTHERLY/WESTERLY SIDE OF THE STREET. BASED ON A 56 FEET RIGHT-OF-WAY, THE DISTANCE FROM CENTERLINE OF WATER TO CENTERLINE OF STORM DRAIN IS 5 FEET. BASED ON OUR ASSESSMENT OF THE CRITERIA WE ESTABLISHED THE FOLLOWING CONCLUSIONS:

1. BASED ON STANDARD 817 AND THE 4' SEPARATION, THE MINIMUM 18" RCP STORM DRAIN WOULD NOT MEET THIS CRITERIA SINCE THE OUTSIDE DIAMETER OF AN 18" RCP IS 2.12'. THIS WOULD RESULT IN LESS THAN 4' OF SEPARATION.
2. LOCATING THE STORM DRAIN 4' FROM CENTERLINE WOULD PROVIDE SUFFICIENT SEPARATION TO IMPLEMENT THE USE OF A STORM DRAIN WITH A DIAMETER THAT RANGES FROM 18" TO 48" IN DIAMETER.
3. LOCATING THE STORM DRAIN 2' FROM CENTERLINE WOULD PROVIDE SUFFICIENT SEPARATION TO IMPLEMENT THE USE OF A STORM DRAIN WITH A DIAMETER THAT RANGES FROM 54" TO 90" IN DIAMETER.

FOR TRACT MAP 36785 WE HAVE STORM DRAIN THAT RANGES IN SIZE FROM 18" TO 84". THEREFORE, WE ARE REQUESTING RCTD TO ALLOW THE STORM DRAIN TO BE LOCATED AT 2 FEET FROM CENTERLINE, ON THE SOUTHERLY/WESTERLY SIDE OF THE STREET, IN ORDER TO HAVE ALL STORM DRAIN CONSISTENTLY LOCATED RELATIVE TO THE CENTERLINE.





VICINITY MAP
NTS

CONSTRUCTION NOTES

1. INSTALL 42" RCP (D-LOAD PER PROFILE)
2. INSTALL 48" RCP (D-LOAD PER PROFILE)
3. INSTALL 54" RCP (D-LOAD PER PROFILE)
4. INSTALL 60" RCP (D-LOAD PER PROFILE)
5. INSTALL 78" RCP (D-LOAD PER PROFILE)
6. INSTALL 84" RCP (D-LOAD PER PROFILE)
7. CONSTRUCT MANHOLE NO 2 PER RCFC&WCD STD DWG MH252.
8. CONSTRUCT MANHOLE NO 4 PER RCFC&WCD STD DWG MH254.
9. CONSTRUCT CONCRETE COLLAR PER RCFC&WCD STD DWG M803.
10. CONSTRUCT OUTLET PER DETAILS ON SHEET 7 & 21
11. CONSTRUCT TRAPEZOIDAL CHANNEL PER RCFC&WCD STD DWG CH326 (B=5.0' & D=3.5')
12. INSTALL 72" RCP (D-LOAD PER PROFILE)
13. CONSTRUCT LATERAL CONNECTION PER DETAIL A ON SHEET 8.
14. CONSTRUCT CHANNEL CONNECTION TO EXISTING PER DETAIL ON SHEET 20
15. CONSTRUCT TRANSITION STRUCTURE PER RCFC&WCD STD DWG TS301
16. INSTALL FENCE & 14' DOUBLE DRIVE GATE PER RCFCD&WCD STD DWG M801
17. CONSTRUCT DRAINAGE APRON FOR ACCESS ROAD PER RCFCD&WCD STD CH333
18. CONSTRUCT TRANSITION STRUCTURE PER RCFCD&WCD STD DWG TS303
19. CONSTRUCT MANHOLE PER RCFC&WCD STD DWG MH256
20. CONSTRUCT PIPE CULVERT HEADWALL & WARPED WINGWALL PER CALTRANS STD NO D90
21. CONSTRUCT JUNCTION STRUCTURE PER STRUCTURAL DETAILS ON SHEET 22
22. CONSTRUCT OUTLET PER DETAILS ON SHEET 7 & 24
23. CONSTRUCT JUNCTION STRUCUTRE PER DETAILS ON SHEET 23

RCFC&WCD STANDARD DRAWINGS

CB110	INLET STRUCTURE	M801	GATE/FENCE
CH326	TRAPEZOIDAL CHANNEL	M803	CONCRETE COLLAR
CH333	DRAINAGE APRON FOR ACCESS ROAD	M816	CONCRETE BULKHEAD
JS226	JUNCTION STRUCTURE NO. 1	RCT 817	UTILITY LOCATIONS (MODIFIED)
MH252	MANHOLE NO. 2	TS301	TRANSITION STRUCTURE
MH254	MANHOLE NO. 4	TS303	TRANSITION STRUCTURE
MH256	MANHOLE FRAME & COVER PRESSURE TYPE		

CALTRANS STANDARD DRAWINGS

D86B	PIPE CULVERT HEADWALL, ENDWALL AND WARPED WINGWALL

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PLAN & PROFILE	PARAMOUNT ESTATES MDP-LINES A & A-2, STAGE 2-LINE 1 STA 14+50 TO 17+50	3
PLAN & PROFILE	PARAMOUNT ESTATES MDP-LINES A & A-2, STAGE 2-LINE 1 STA 17+50 TO 21+50	4
PLAN & PROFILE	PARAMOUNT ESTATES MDP-LINES A & A-2, STAGE 2-LINE 1 STA 21+50 TO 25+50	5
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File Net Doc 235989

TRACT 31894

Call before you Dig — Avoid cutting underground utility lines. It's costly. Call 811 or 1-800-227-2600

BENCHMARK:

RIVERSIDE COUNTY DESIGNATION: 008-002

DESCRIPTION: A 3 ½" ALUMINUM DISK STAMPED "RIVERSIDE COUNTY VW 2 2008" AT THE ECR OF THE EASTERLY CORNER OF ARMSTRONG ROAD AND 34TH STREET.

ELEVATION (FEET): 913.63 (NGVD29)
ADJUSTED: 11/3/2008

DATE	BY	MARK	DESCRIPTION	APPR.	DATE
ENGINEER			REVISIONS	COUNTY	

SEAL — REGISTERED PROFESSIONAL ENGINEER — SCOTT P. GILBERT — NO. 65194 — CIVIL — STATE OF CALIFORNIA

ENGINEER

DESIGN BY: CM | DRAWN BY: CM | CHECKED BY: SPG

PREPARED BY: PROACTIVE ENGINEERING CONSULTANTS, 200 South Main Street, Suite 300, Corona, CA 92882 (951) 280-3300

SCOTT P. GILBERT R.C.E. 66194 — 12/22/20 DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

RECOMMENDED FOR APPROVAL BY: Edwin Quinonez, CHIEF, PLANNING, DATE: 1/6/2021

APPROVED BY: GENERAL MANAGER-CHIEF ENGINEER, DATE: 2/11/2021

PARAMOUNT ESTATES MDP LINES A&A-2, STAGE 2
WINTER PARK AVENUE STORM DRAIN, STAGE 1
PARAMOUNT ESTATES MDP LINE B, STAGE 1

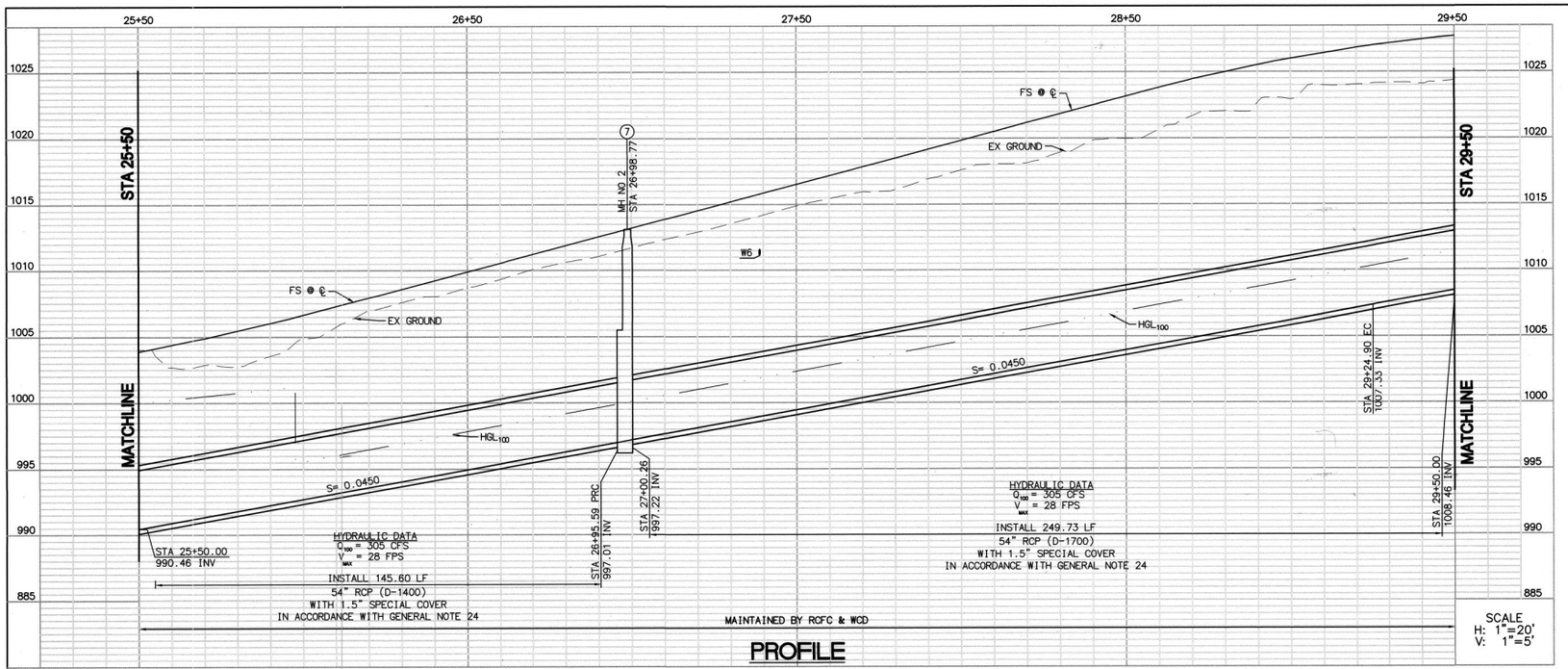
TITLE SHEET

PROJECT NO. 1-0-00265-02, 1-0-00097-01, 1-0-00267

DRAWING NO. 1-0742

SHEET NO. 1 OF 24

Drawing Name: Z:\1.0.037_Lennar_Highland Park\Drawings\Storm Drain Improvements\Flood Control Plans\TR31894-RCFCD SD PLAN SHEET 01.dwg
Plotted: Dec 21, 2020 - 4:52pm by: d_strand



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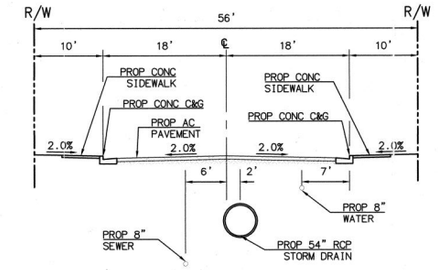
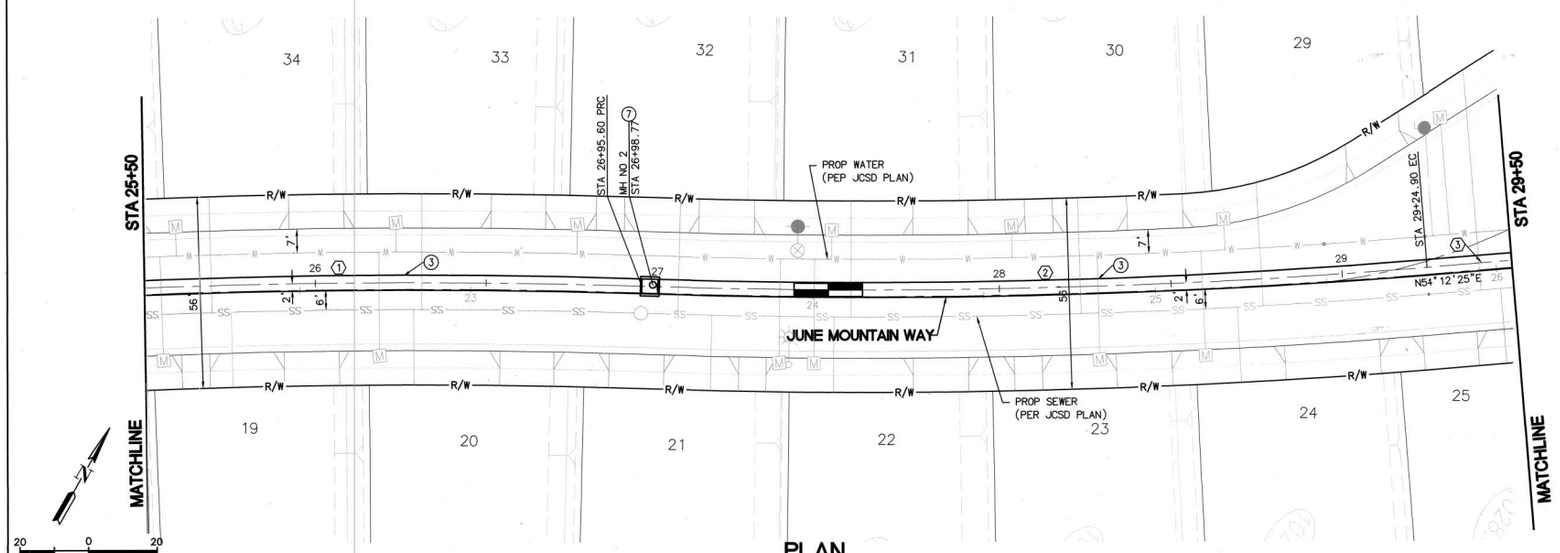


SECTION AT STA 27+50

TYPICAL FROM 25+50 TO 29+50

10 0 10

MANHOLE/JUNCTION STRUCTURE DATA					
LATERAL	℄ STATION	WALL STATION	STRUCTURE	A	C
--	26+75.77	--	MH NO 2	--	--



PLAN

CONSTRUCTION NOTES

③ INSTALL 54" RCP (D-LOAD PER PROFILE)

⑦ CONSTRUCT MANHOLE NO 2 PER RCFC&WCD STD DWG MH252.

LINE/CURVE DATA TABLE					
NO	BEARING/DELTA	RADIUS	LENGTH	TANGENT	
1	05°22'19"	2002.00'	187.70'	93.92'	TOTAL
2	06°34'32"	1998.00'	229.30'	114.78'	
3	N54°12'25"E	--	118.30'	--	TOTAL

TRACT 31894

Call before you Dig
Avoid cutting underground utility lines. It's easy.
Call 811
OR
1-800-227-2600

BENCHMARK:
RIVERSIDE COUNTY DESIGNATION: 008-002

DESCRIPTION: A 3 ¼" ALUMINUM DISK STAMPED "RIVERSIDE COUNTY VW 2 2008" AT THE ECR OF THE EASTERLY CORNER OF ARMSTRONG ROAD AND 34TH STREET.

ELEVATION (FEET): 913.63 (NGVD29)
ADJUSTED: 11/3/2008

DATE	BY	MARK	DESCRIPTION	APPR.	DATE
ENGINEER			REVISIONS	COUNTY	

SEAL ENGINEER
REGISTERED PROFESSIONAL ENGINEER
SCOTT P. GILBERT
NO. 65194
CIVIL
STATE OF CALIFORNIA

DESIGN BY: CM	DRAWN BY: CM	CHECKED BY: SPG

PREPARED BY:
PROACTIVE
ENGINEERING CONSULTANTS
200 South Main Street, Suite 300
Corona, CA 92882 (951) 280-3300

SCOTT P. GILBERT
R.C.E. 65194
12/22/20
DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

RECOMMENDED FOR APPROVAL BY:
DATE: 01-05-2021

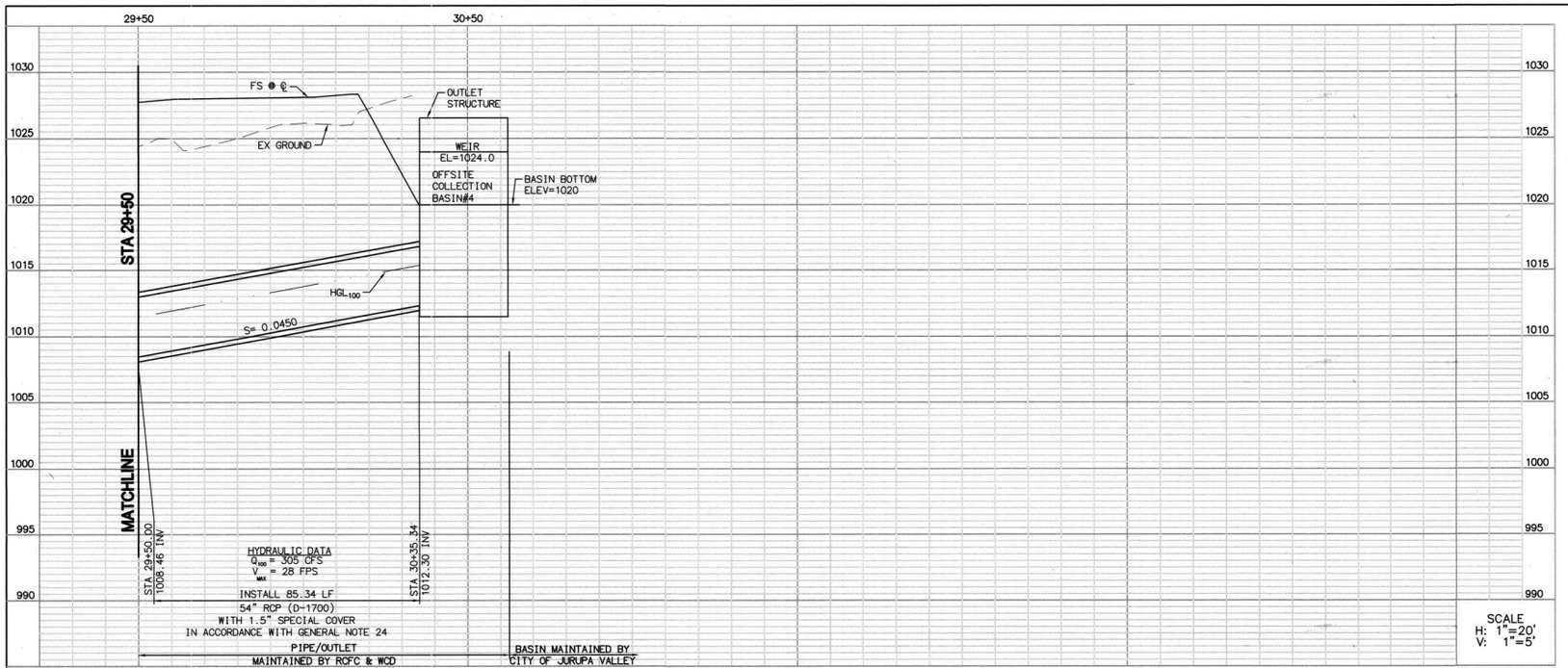
APPROVED BY:
DATE: 1/6/2021

PARAMOUNT ESTATES MDP LINES A & A-2, STAGE 2

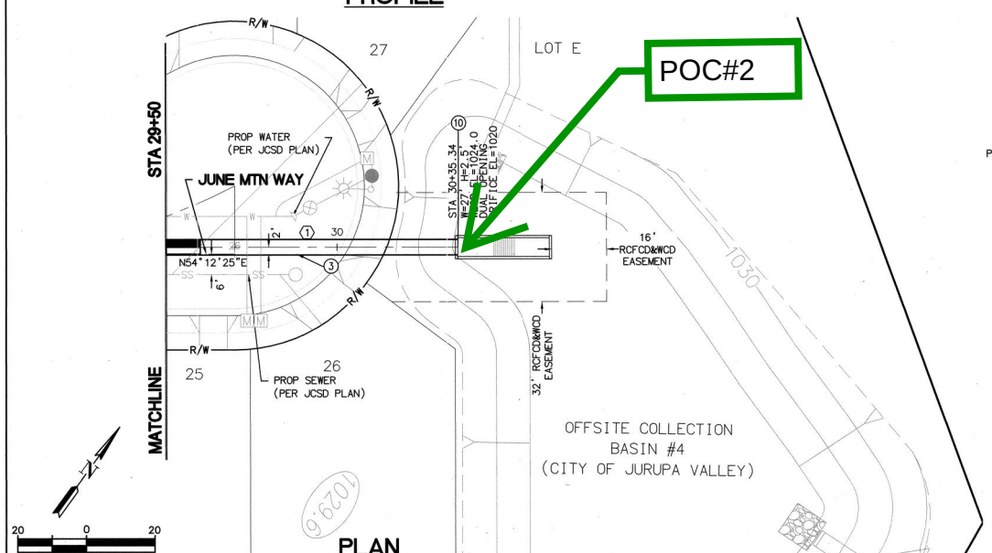
LINE '1'
STA 25+50 TO STA 29+50

PROJECT NO.	1-0-00265-02
DRAWING NO.	1-0742
SHEET NO.	6 OF 24

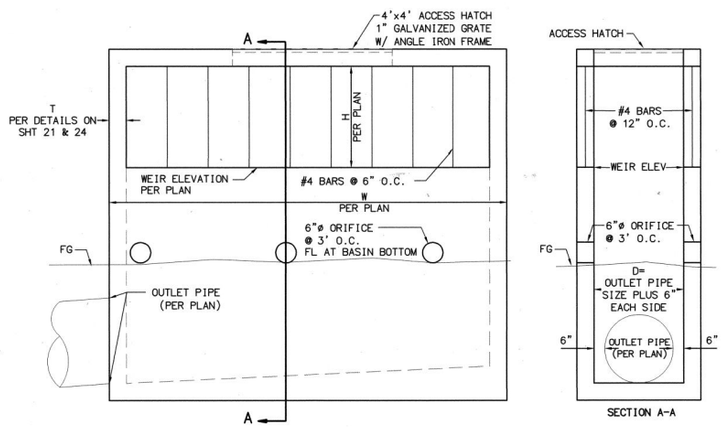
Plotted: Dec. 21, 2020 - 4:58pm by d.strand
Drawing Name: Z:\10.037_Lennar_Highland Park\Drawings\Storm Drain Improvements\Flood Control Plans\193184-RCFCD SD PLAN SHEET 06.dwg



PROFILE



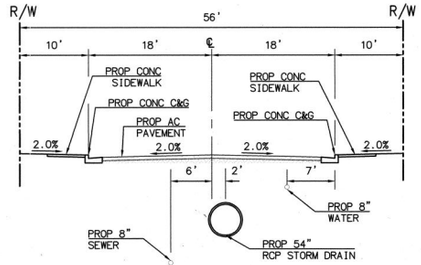
PLAN



(10) MODIFIED CB 110 OUTLET STRUCTURE

NTS

NOTE: 100 YR PONDED WSE WITHIN THE PIPE IS BELOW WEIR ELEV
NOTE: NO ORIFICE HOLES ON BASIN #5 AGAINST SLOPE



SECTION AT STA 29+50

TYPICAL FROM 29+50 TO 29+70.06

10 0 10

CONSTRUCTION NOTES

(3) INSTALL 54" RCP (D-LOAD PER PROFILE)
(10) CONSTRUCT OUTLET PER DETAILS ON SHEET 7 & 21

LINE/CURVE DATA TABLE

NO	BEARING/DELTA	RADIUS	LENGTH	TANGENT	
1	N54°12'25"E	---	110.47'	---	TOTAL

TRACT 31894

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
OR
1-800-227-2600

BENCHMARK:
RIVERSIDE COUNTY DESIGNATION: 008-C02

DESCRIPTION: A 3 ¼" ALUMINUM DISK STAMPED "RIVERSIDE COUNTY VW 2 2008" AT THE ECR OF THE EASTERLY CORNER OF ARMSTRONG ROAD AND 34TH STREET.

ELEVATION (FEET): 913.63 (NGVD29)
ADJUSTED: 11/3/2008

DATE	BY	MARK	DESCRIPTION	APPR.	DATE
ENGINEER			REVISIONS		COUNTY

SEAL ENGINEER
REGISTERED PROFESSIONAL ENGINEER SCOTT P. GILBERT NO. 65194 CIVIL STATE OF CALIFORNIA

DESIGN BY: CM	DRAWN BY: CM	CHECKED BY: SPG

PREPARED BY:
PROACTIVE ENGINEERING CONSULTANTS
200 South Main Street, Suite 300
Corona, CA 92882 (951) 280-3300
SCOTT P. GILBERT
R.C.E. 65194
12/22/20
DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

RECOMMENDED FOR APPROVAL BY:
DEPUTY DIRECTOR OF PLANNING
DATE: 01.05.2021

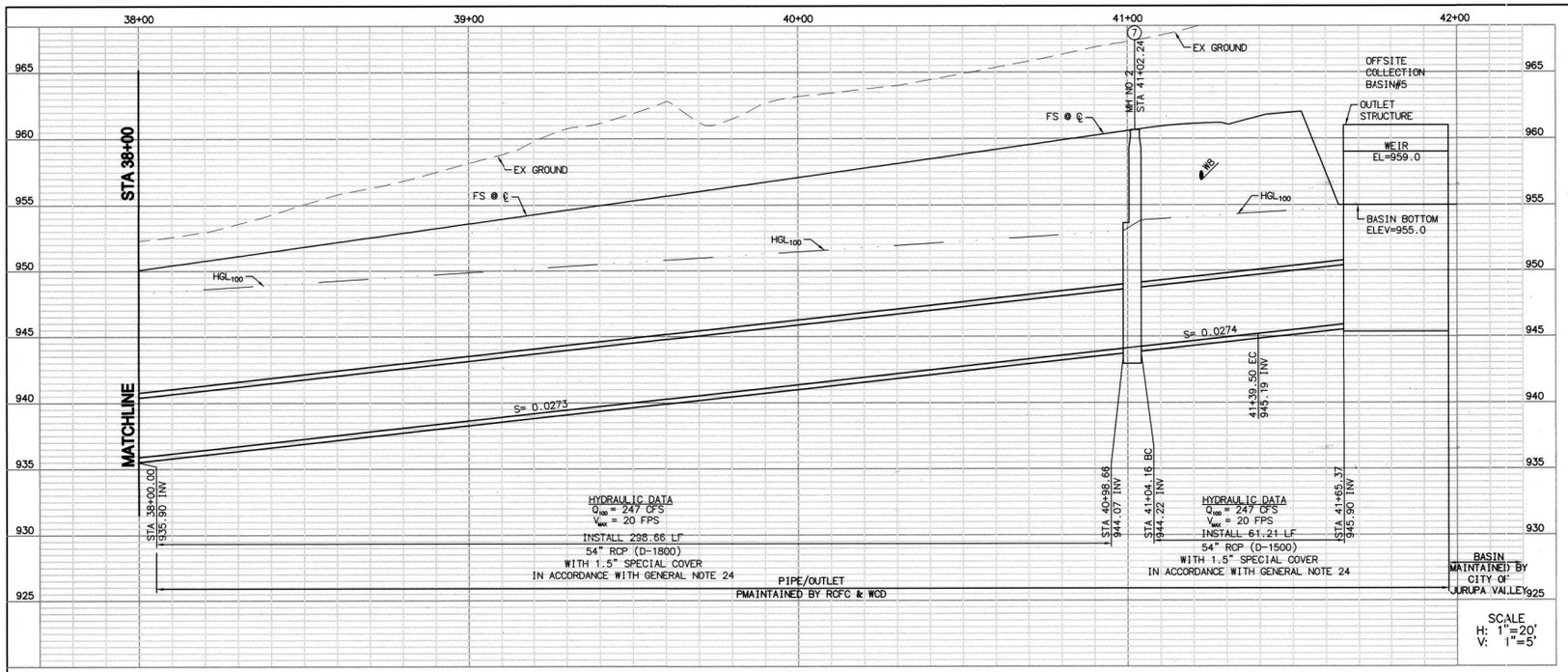
APPROVED BY:
DEPUTY DIRECTOR OF ENGINEERING
DATE: 1/6/2021

PARAMOUNT ESTATES MDP LINES A & A-2, STAGE 2

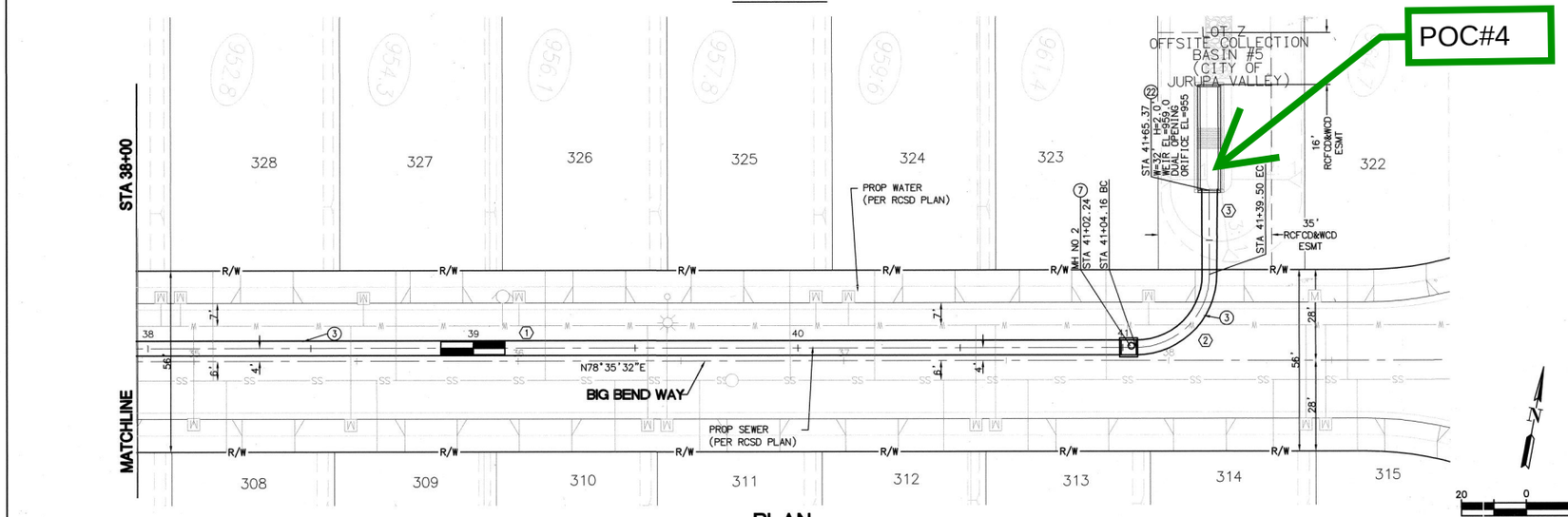
LINE '1'
STA 29+50 TO STA 30+33.19

PROJECT NO. 1-0-00265-02
DRAWING NO. 1-0742
SHEET NO. 7 OF 24

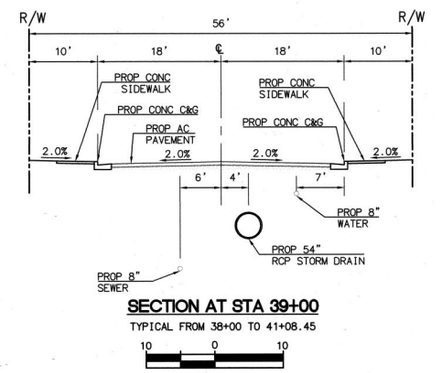
Plotted: Dec. 21, 2020 - 4:59pm by d.strand
Drawing Name: Z:\1\0\0372_Lennar_Highland Park\Drawings\Storm Drain Improvements\Flood Control Plans\P31894-RCFCD SD PLAN SHEET 07.dwg



PROFILE



PLAN



SECTION AT STA 39+00

TYPICAL FROM 38+00 TO 41+08.45

10 0 10

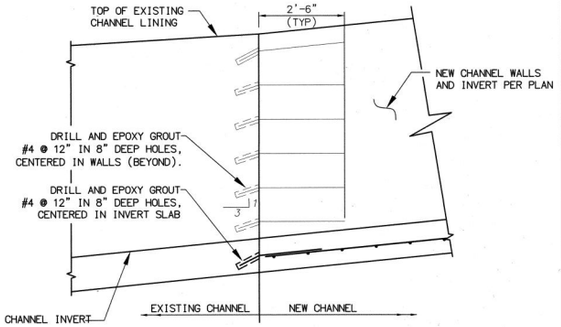
CONSTRUCTION NOTES

(3) INSTALL 54" RCP (D-LOAD PER PROFILE)
(7) CONSTRUCT MANHOLE NO 2 PER RCFC&WCD STD DWG MH252.
(22) CONSTRUCT OUTLET PER DETAILS ON SHEET 7 & 24

LINE/CURVE DATA TABLE				
(14)	BEARING/DELTA	RADIUS	LENGTH	TANGENT
1	N78°35'32"E	--	388.98'	--
2	90°00'00"	22.50'	35.08'	22.50'
3	N11°24'28"W	--	25.87'	--

TOTAL

MANHOLE/JUNCTION STRUCTURE DATA					
LATERAL	℄ STATION	WALL STATION	STRUCTURE	A	C
--	41+05.37	--	MH NO 2	--	--



(14) CHANNEL CONNECTION TO EXISTING
NTS

TRACT 31894

Call before you Dig
Avoid cutting underground utility lines. It's easy.
Call 811 or 1-800-227-2600

BENCHMARK:
RIVERSIDE COUNTY DESIGNATION: 008-002

DESCRIPTION: A 3 ½" ALUMINUM DISK STAMPED "RIVERSIDE COUNTY VW 2 2008" AT THE ECR OF THE EASTERLY CORNER OF ARMSTRONG ROAD AND 34TH STREET.

ELEVATION (FEET): 913.63 (NGVD29)
ADJUSTED: 11/3/2008

DATE	BY	MARK	DESCRIPTION	APPR.	DATE
ENGINEER			REVISIONS	COUNTY	

SEAL: REGISTERED PROFESSIONAL ENGINEER, SCOTT P. GILBERT, NO. 65194, CIVIL, STATE OF CALIFORNIA

DESIGN BY: CM	DRAWN BY: CM	CHECKED BY: SPG

PREPARED BY:
PROACTIVE ENGINEERING CONSULTANTS
200 South Main Street, Suite 300
Corona, CA 92882 (951) 280-3300

SCOTT P. GILBERT
R.C.E. 65194
12/21/20
DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

RECOMMENDED FOR APPROVAL BY:
DEPUTY PROJECT MANAGER
DATE: 01.05.2021

APPROVED BY:
CHIEF PROJECT MANAGER - CHIEF ENGINEER
DATE: 1/6/2021

PARAMOUNT ESTATES MDP
LINE B, STAGE 1

LINE '3'

STA 38+00 TO STA 41+66.13

PROJECT NO.	1-0-00267
DRAWING NO.	1-0742
SHEET NO.	20 OF 24

Drawing Name: Z:\10.037_Lennar_Highland Park\Drawings\Storm Drain Improvements\Flood Control Plans\1831894-RCFCD SD PLAN SHEET 20.dwg
Plotted: Dec 21, 2020 - 10:51pm by: d.strand

CITY OF JURUPA VALLEY
STORM DRAIN IMPROVEMENT PLAN
TRACT 31894 AND TRACT 37470

RCFC&WCD GENERAL NOTES:

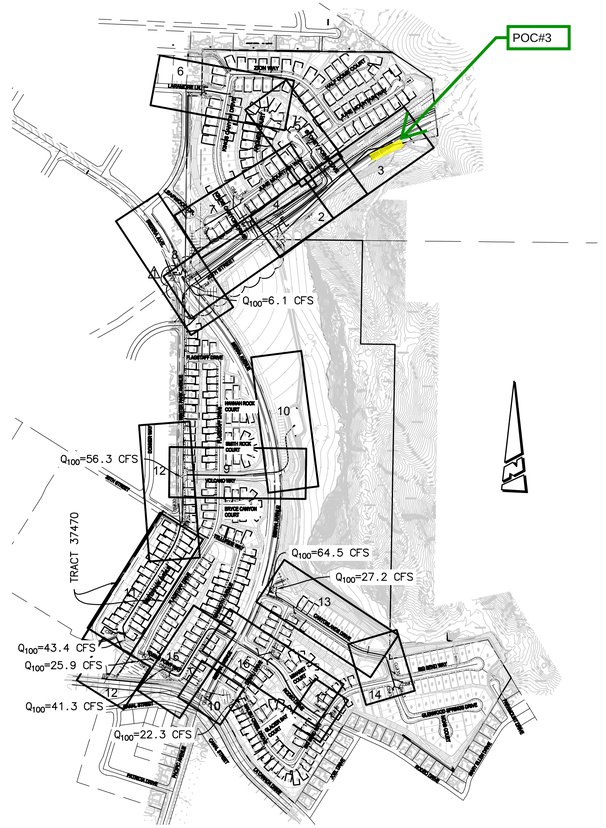
1. THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S M.O.U STANDARD SPECIFICATIONS DATED JUNE 24, 2008, AND THE DISTRICT'S STANDARD MANUAL. FOR THE LATEST DRAWINGS OF THE STANDARD MANUAL, PLEASE REFER TO THE "PUBLICATIONS AND RECORDS" PAGE FOUND ON THE DISTRICT'S WEBSITE.
2. CONTACT THE ENCROACHMENT PERMIT ENGINEER AT 951.955.1266 IF AN ENCROACHMENT PERMIT IS REQUIRED FROM THE DISTRICT. AFTER THE PERMIT IS ISSUED THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.
3. CONTACT CONSTRUCTION MANAGEMENT AT 951.955.1288 IF CONSTRUCTION INSPECTION WILL BE PERFORMED BY THE DISTRICT. THE DISTRICT MUST BE NOTIFIED TWENTY DAYS (20) PRIOR TO CONSTRUCTION.
4. ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
5. STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE INTERSECTION STATIONS.
6. FORTY-EIGHT HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT 1-800-227-2600.
7. ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON THE VERTICAL DATUM IS DERIVED FROM (VGVD29). THE HORIZONTAL DATUM IS DERIVED FROM NAD83(NSRS2011) EPOCH 2010.00, AND CALIFORNIA STATE PLANE, ZONE 6.
8. ALL COORDINATES ARE SHOWN IN FEET AND DECIMALS THEREOF BASED ON THE NORTH AMERICAN DATUM (NAD 83), CALIFORNIA COORDINATE SYSTEM (CCS), ZONE 6 AND EPOCH.
9. ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
10. ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
11. UNLESS OTHERWISE SPECIFIED, MINIMUM STREET RECONSTRUCTION SHALL BE 4" TYPE "B"HOT MIX ASPHALT OVER 6" CLASS 2 AGGREGATE BASE OR AS SPECIFIED BY THE ENGINEER.
12. OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.
13. PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (JS 229) UNLESS OTHERWISE NOTED.
14. PIPE BEDDING SHALL CONFORM TO RCFC&WCD STD. DWG. NO. M815 EXCEPT FOR COVER <2 FEET. FOR COVER <2 FEET, CONCRETE SLURRY (2000 PSI - 2 SACK) SHALL BE USED. THE ENTIRE TRENCH SHALL BE SLURRY EXTENDING 4 INCHES MINIMUM AND 12 INCHES MAXIMUM ABOVE THE TOP OF PIPE
15. B-# INDICATES SOIL BORING LOCATIONS BASED ON THE SOILS REPORT DATED JULY 15, 2019. LOCATIONS SHOWN ARE APPROXIMATE.
16. "V" IS THE DEPTH OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.
17. CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT, UNLESS SPECIFIED.
18. ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.
19. STANDARD DRAWINGS CALLED FOR ON THE PLAN AND PROFILE SHALL CONFORM TO DISTRICT STANDARD DRAWINGS UNLESS NOTED OTHERWISE.
20. THE CONTRACTOR IS REQUIRED TO CALL ALL UTILITY AGENCIES REGARDING TEMPORARY SHORING AND SUPPORT REQUIREMENTS FOR THE VARIOUS UTILITY LINES SHOWN ON THESE PLANS.
21. DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHOULD BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.
22. APPROVAL OF THESE PLANS BY THE DISTRICT DOES NOT RELIEVE THE DEVELOPER'S ENGINEER OF RESPONSIBILITY FOR THE ENGINEERING DESIGN. IF FIELD CHANGES ARE REQUIRED, IT WILL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO MAKE THE NECESSARY CORRECTIONS.
23. THE CONTRACTOR OR DEVELOPER SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR STATE AND FEDERAL REGULATORY PERMITS PRIOR TO THE COMMENCEMENT OF ANY WORK.
24. THE CONCRETE COATING ON THE INSIDE OF ALL REINFORCED CONCRETE PIPES MUST BE INCREASED TO PROVIDE A MINIMUM OF 1-1/2 INCHES OVER THE REINFORCING AND INCREASED TO A MINIMUM OF 3-1/2 INCHES OVER REINFORCING FOR BOX CULVERT, WHEN DESIGN VELOCITIES EXCEED 20 FEET PER SECOND. THE CONCRETE DESIGN STRENGTH IN THESE REACHES SHALL BE FC=5,000 PSI FOR VELOCITIES EXCEEDING 20 FEET PER SECOND AND FC=6,000 PSI FOR VELOCITIES EXCEEDING 30 FEET PER SECOND.
25. CONSTRUCTION JOINTS FOR CALTRANS STANDARD REINFORCED CONCRETE BOX SHALL BE PLACED ACCORDING TO THE DISTRICT STANDARD DRAWING NO. BOX 401.

ABBREVIATIONS

R/W	RIGHT OF WAY	MAX	MAXIMUM
SS	SANITARY SEWER	℄	CENTER LINE
DW	DOMESTIC WATER	ECR	END OF CURB RETURN
SD	STORM DRAIN	BCR	BEGIN OF CURB RETURN
MH	MANHOLE	TC	TOP OF CURB
CB	CATCH BASIN	CFS	CUBIC FEET PER SECOND
W	CATCH BASIN OPENING LENGTH	FPS	FEET PER SECOND
V	CATCH BASIN DEPTH	ST	STREET
LAT	LATERAL	RCFC&WCD	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
STA	STATION		
INV	INVERT	STD	STANDARD
EC	END CURVE	EA	EACH
BC	BEGIN CURVE	LF	LINEAR FOOT
PRC	POINT OF REVERSE CURVE	AC	ASPHALT CONCRETE
TC	TOP OF CURB	PVC	POLYMERIZING VINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE	PVMT	PAVEMENT
PROP	PROPOSED	MIN	MINIMUM

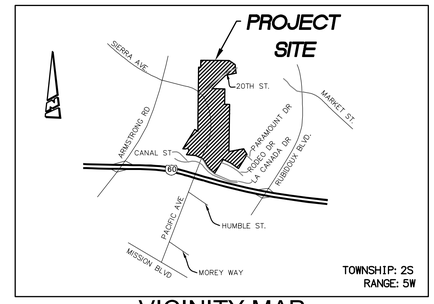
UNDERGROUND STRUCTURES

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO AGREES TO ASSUME LIABILITY AND TO HOLD UNDER- SIGNED HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED: NOT INDICATED ON THE PUBLIC RECORDS EXAMINED: LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.



INDEX MAP

SCALE: 1"=500'



VICINITY MAP

NTS

APPLICANT:

LENNAR HOMES OF CALIFORNIA
980 MONTECITO DRIVE, SUITE 302
CORONA, CA 92879
PHONE: (951) 817-3508
CONTACT: BRIAN KING

OWNER:

LENNAR HOMES OF CALIFORNIA
980 MONTECITO DRIVE, SUITE 302
CORONA, CA 92879
PHONE: (951) 817-3508
CONTACT: BRIAN KING

SOILS ENGINEER:

ALTA CALIFORNIA GEOTECHNICAL INC.
170 NORTH MAPLE STREET, SUITE 108
CORONA, CA 92880
PHONE: (951) 509-7090
PROPOSAL/REPORT #1-0260

CONSTRUCTION NOTES

		QUANTITIES	
1	INSTALL 18" RCP (D-LOAD PER PROFILE)	2,864	LF
2	INSTALL 24" RCP (D-LOAD PER PROFILE)	2,646	LF
3	INSTALL 30" RCP (D-LOAD PER PROFILE)	3,000	LF
4	INSTALL 36" RCP (D-LOAD PER PROFILE)	2,297	LF
5	CONSTRUCT MANHOLE NO. 1 PER RCFC&WCD STD DWG MH251.	39	EA
6	CONSTRUCT CATCH BASIN PER COUNTY OF RIVERSIDE STD NO 300.	39	EA
7	INSTALL FORTERRA PRECAST WINGED HEADWALL TYPED BW.	11	EA
8	CONSTRUCT OUTLET PER DETAIL ON SHEET 19 (SIZE PER PLAN).	6 △2	EA
9	INSTALL 12" RCP (D-LOAD PER PROFILE)	10	LF
10	CONSTRUCT JUNCTION STRUCTURE NO. 4 PER RCFC&WCD STD DWG JS229.	2	EA
11	INSTALL 6" PVC UNDERDRAIN PER RIVERSIDE COUNTY LID BMP HANDBOOK, APPENDIX B.	643	LF
12	INSTALL 6" PERFORATED PVC UNDERDRAIN PER RIVERSIDE COUNTY LID BMP HANDBOOK, APPENDIX B.	2,483	LF
13	INSTALL MODULAR WETLAND SYSTEM PER BIO CLEAN MWS-L-8-12.	1	EA
14	INSTALL MODULAR WETLAND SYSTEM PER BIO CLEAN MWS-L-10-20.	1	EA
15	INSTALL 42" RCP (D-LOAD PER PROFILE)	77	LF
16	INSTALL 48" RCP (D-LOAD PER PROFILE)	140	LF
17	CONSTRUCT MANHOLE NO. 2 PER RCFC&WCD STD DWG MH252.	2	EA
18	CONSTRUCT CONCRETE COLLAR PER RCFC&WCD STD DWG M803.	1	EA
19	INSTALL 24"x24" INLET BROOKS BOX.	3	EA
20	INSTALL 60" RCP (D-LOAD PER PROFILE)	75	LF
21	CONSTRUCT BASIN OUTLET PER DETAILS ON SHEET 19 & 20	1	EA
22	CONSTRUCT BASIN OUTLET PER DETAILS ON SHEET 19 & 21	1	EA △2

INDEX

	SHEET NO
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LINE '2' - STA 26+91.47 TO 39+00	2
LINE '2' - STA 39+00 TO 47+44.56, LAT '2F' △1	3
LINE 'A1' - STA 10+00 TO 16+00, LAT 'A1-A' AND LAT 'A1-B'	4
LINE 'A1' - STA 16+00 TO 18+76.40, LAT 'A1-C', LAT 'A1-D', AND LAT '2C'	5
LINE 'B1' - STA 10+06.50 TO 12+19.63, LAT 'B1-A', LAT 'B1-B', AND LAT '2D'	6
LINE 'B2', LAT 'B2-A' AND LAT 'B2-B'	7
LINE 'C1', LINE 'C2', LAT 'C2-A', AND LAT '2B' △1	8
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LAT '2A' - STA 7+50 TO 11+67.56, LAT '3B', LAT '3C', AND CP '3B-1'	10
LINE 'D3' - STA 10+14+50 TO 18+00, LAT 'D3-A' △1	11
LINE 'D3' - STA 18+00 TO 20+55.81, LINE 'E2', LAT 'D3-B', AND LAT '3A'	12
LINE 'E1' - STA 10+10 TO 18+00 AND LAT 'E1-A'	13
LINE 'E1' - STA 18+00 TO 21+74.47, LAT 'E1-B', LAT 'E1-C', AND LAT 'E1-D'	14
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~~BASIN UNDERDRAIN DETAIL~~	~~19~~
STRUCTURAL DETAILS FOR LAT '2A' BASIN OUTLET STRUCTURE	20
STRUCTURAL DETAILS FOR LAT '3D' BASIN OUTLET STRUCTURE	21 △2

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, CCS83, ZONE VI, BASED LOCALLY ON CONTROL STATIONS "MAT2", "MLFP", & "NOCO" NAD83 (NSRS2011) EPOCH 2010.00 AS SHOWN HEREON. ALL BEARINGS SHOWN ON THIS MAP ARE GRID. QUOTED BEARINGS AND DISTANCES FROM REFERENCE MAPS OR DEEDS ARE AS SHOWN PER THAT RECORD REFERENCE. ALL DISTANCES SHOWN ARE GROUND DISTANCES UNLESS SPECIFIED OTHERWISE. GRID DISTANCES, MAY BE OBTAINED BY MULTIPLYING THE GROUND DISTANCE BY A COMBINATION FACTOR OF 0.999932987. CALCULATIONS ARE MADE AT CONTROL POINT #504 WITH COORDINATES OF N: 2314523.845 E: 6207351.717, USING AN ELEVATION OF 902.58.

ALL COORDINATES SHOWN HEREON ARE GRID COORDINATES.

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT AS THE ENGINEER IN RESPONSIBLE CHARGE OF WORK FOR THIS PROJECT, I HAVE REVIEWED THE ENGINEERING WORK AS SHOWN ON THESE PLANS TO DETERMINE GENERAL COMPLIANCE WITH PLANS AND SPECIFICATIONS, AND THAT THE COMPLETED CONSTRUCTION IS IN CONFORMANCE WITH THESE PLANS.

SCOTT P. GILBERT
R.C.E. #65194

DATE

APPROVED 1/12/2021 MD

CITY OF JURUPA VALLEY ENGINEERING DEPARTMENT APPROVED BY:		CITY OF JURUPA VALLEY ENGINEERING DEPARTMENT RECOMMENDED BY:	
STEVE R LORISO, CITY ENGINEER R.C.E. 64701	DATE	TINA YORK, DEVELOPMENT SERVICES MANAGER R.C.E. 46367	DATE

Call before you Dig
Avoid cutting underground utility lines. It's easy.
Call 811 or 1-800-227-2600

8930 LIMONITE AVE.
JURUPA VALLEY, CA 92509
TEL: (951) 332-6464
EMAIL: ENGINEERING@JURUPAVALLEY.ORG

BENCHMARK:

RIVERSIDE COUNTY DESIGNATION: 008-002

DESCRIPTION: A 3 ¼" ALUMINUM DISK STAMPED "RIVERSIDE COUNTY VW 2 2008" AT THE ECR OF THE EASTERLY CORNER OF ARMSTRONG ROAD AND 34TH STREET.

ELEVATION (FEET): 913.63 (NGVD29)
ADJUSTED: 11/3/2008

DATE	BY	MARK	DESCRIPTION	APPR.	DATE
			REPLACED SHEET 1		
10/2/20	DS	△3	REVISED INDEX, CNOTES, PAGE NUMBERS ON ALL SHEETS, ADDED SHEET 20 & 21		01/13/2021
			REVISED SHEETS 9, 10 AND 13		
7/28/20	SO	△1	REVISED INDEX MAP, INDEX AND SHEETS 2-19		

REVISIONS

ENGINEER OF RECORD'S SEAL
REGISTERED PROFESSIONAL ENGINEER SCOTT P. GILBERT NO. 65194 CIVIL STATE OF CALIFORNIA

PROACTIVE ENGINEERING CONSULTANTS
200 South Main Street, Suite 300
Corona, CA 92882 (951) 280-3300

PLANS PREPARED UNDER THE SUPERVISION OF:
SCOTT P. GILBERT
R.C.E. #65194
12/9/20 DATE

ACCT. NO.

CITY OF JURUPA VALLEY

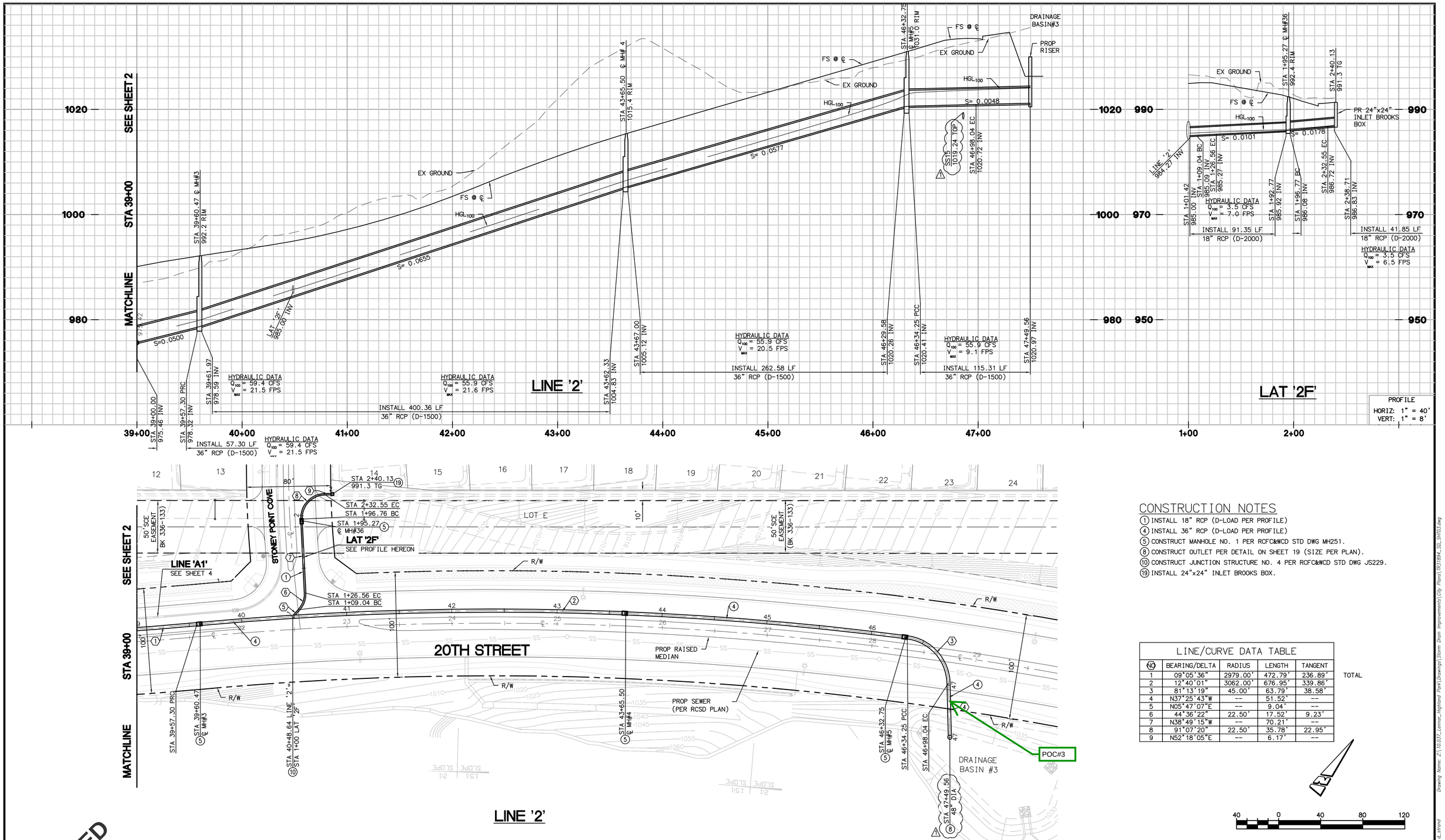
STORM DRAIN IMPROVEMENT PLAN
TRACT 31894 AND TRACT 37470

TITLE SHEET

SHEET No. 1B △2 OF 21 SHEETS

CITY FILE NO. IP17-008

Plotted: Nov 10, 2020 - 12:28pm by: d_strand
Drawing Name: Z:\10.037_Lennar_Highland Park\Drawings\Storm Drain Improvements\City Plans\TR31894_SD_SHT01.dwg



CONSTRUCTION NOTES

(1) INSTALL 18" RCP (D-LOAD PER PROFILE)
(4) INSTALL 36" RCP (D-LOAD PER PROFILE)
(5) CONSTRUCT MANHOLE NO. 1 PER RCFC&WCD STD DWG MH251.
(8) CONSTRUCT OUTLET PER DETAIL ON SHEET 19 (SIZE PER PLAN).
(10) CONSTRUCT JUNCTION STRUCTURE NO. 4 PER RCFC&WCD STD DWG JS229.
(19) INSTALL 24"x24" INLET BROOKS BOX.

LINE/CURVE DATA TABLE

NO	BEARING/DELTA	RADIUS	LENGTH	TANGENT
1	09°05'36"	2979.00'	472.79'	236.89'
2	12°40'01"	3062.00'	676.95'	339.86'
3	81°13'19"	45.00'	63.79'	38.58'
4	N37°25'43"W	--	51.52'	--
5	N05°47'07"E	--	9.04'	--
6	44°36'22"	22.50'	17.52'	9.23'
7	N38°49'15"W	--	70.21'	--
8	91°07'20"	22.50'	35.78'	22.95'
9	N52°18'05"E	--	6.17'	--

TOTAL

40 0 40 80 120

APPROVED 1/12/2021 MD

Call before you Dig
Avoid cutting underground utility lines. It's easy.
Call 811 or 1-800-227-2600

CITY OF JURUPA VALLEY
8930 LIMONITE AVE
JURUPA VALLEY, CA 92509
TEL: (951) 332-6464
EMAIL: ENGINEERING@JURUPAVALLEY.ORG

BENCHMARK:
RIVERSIDE COUNTY DESIGNATION: 008-002
DESCRIPTION: A 3 ¼" ALUMINUM DISK STAMPED "RIVERSIDE COUNTY VW 2 2008" AT THE ECR OF THE EASTERLY CORNER OF ARMSTRONG ROAD AND 34TH STREET.
ELEVATION (FEET): 913.63 (NGVD29)
ADJUSTED: 11/3/2008

DATE	BY	MARK	DESCRIPTION	APPR.	DATE
			REPLACED SHEET 3	TV	01/13/2021
10/2/20	DS	2	UPDATED SHEET TOTAL IN LOWER RIGHT CORNER		
7/28/20	SO	1	REVISED TITLE BLOCK, STATION FOR LINE 2, AND ELEVATION AT CROSSING		

REVISIONS

ENGINEER OF RECORD'S SEAL
REGISTERED PROFESSIONAL ENGINEER SCOTT P. GILBERT NO. 65194 CIVIL STATE OF CALIFORNIA

PROACTIVE ENGINEERING CONSULTANTS
200 South Main Street, Suite 300
Corona, CA 92882 (951) 280-3300

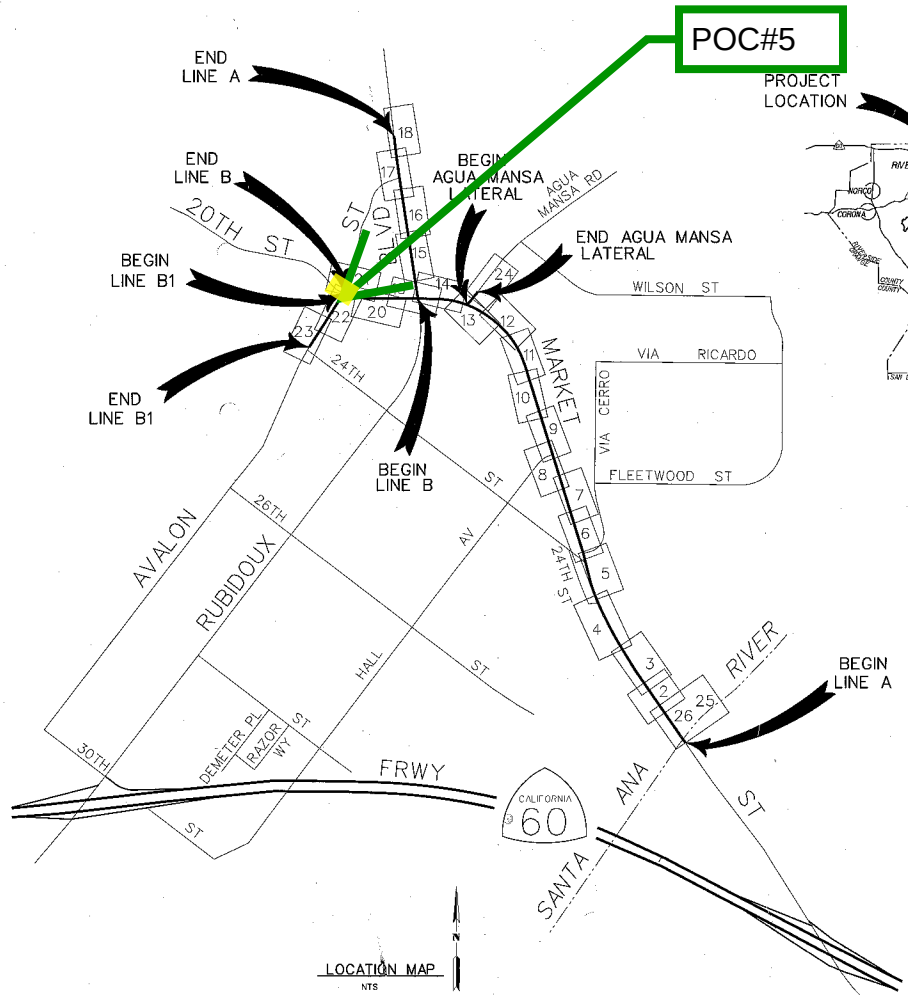
PLANS PREPARED UNDER THE SUPERVISION OF:
SCOTT P. GILBERT R.C.E. #65194
12/9/20 DATE

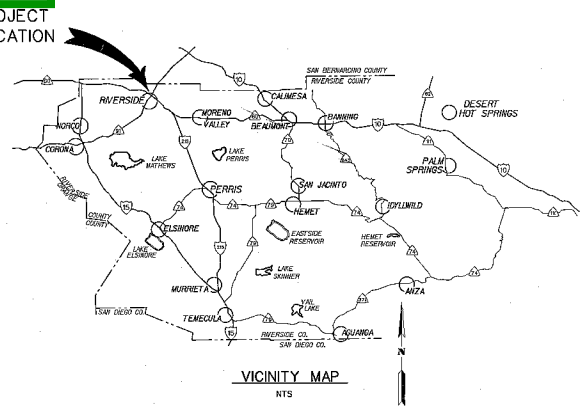
CITY OF JURUPA VALLEY
STORM DRAIN IMPROVEMENT PLAN
TRACT 31894 AND TRACT 37470
LINE '2'
STA 39+00 TO STA 47+49.56
LAT '2F'

SHEET No. 3B 2 OF 21 SHEETS
CITY FILE NO. IP17-008

Plotted: Nov 10, 2020 - 1:09pm by: d_strand
Drawing Name: Z:\10.037_Lennar_Highland Park\Drawings\Storm Drain Improvements\City Plans\TR31894_SD_Sht03.dwg

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT





INDEX

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GENERAL NOTES

1. BEDDING AND PAYLINES ARE SHOWN ON RCFC STANDARD DRAWING M815 UNLESS SHOWN OTHERWISE ON THESE PLANS.
2. ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION.
3. ALL CHANNEL/STORM DRAIN REFERENCES AND CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
4. TOPOGRAPHY BY DIGITAL PHOTOGRAMMETRIC METHODS. AERIAL PHOTOGRAPHS TAKEN AT AN ALTITUDE NOT TO EXCEED A FLYING HEIGHT TO CONTOUR INTERVAL RATIO OF 1800. PHOTOGRAPHY DATED 11-30-04 UNLESS OTHERWISE NOTED.
5. THE VERTICAL DATUM IS DERIVED FROM NAVD 88. THE HORIZONTAL DATUM IS DERIVED FROM NAD 83.
6. STANDARD DRAWINGS CALLED FOR ON THE PLAN & PROFILE SHALL CONFORM TO RCFC & WCD STD DRAWINGS, UNLESS OTHERWISE NOTED.
7. ELEVATIONS AND LOCATIONS OF UTILITIES WERE OBTAINED FROM AVAILABLE INFORMATION AND ARE SHOWN APPROXIMATELY ON THESE PLANS. 48 HOURS BEFORE EXCAVATION CALL UNDERGROUND SERVICE ALERT AT 1-800-227-2600. ALL UTILITIES SHALL BE PROTECTED IN PLACE EXCEPT AS NOTED ON PLANS AND SPECIFICATIONS.
8. THE CONTRACTOR IS REQUIRED TO CONTACT ALL UTILITY AGENCIES REGARDING TEMPORARY SUPPORT AND SHORING REQUIREMENTS FOR THE VARIOUS UTILITY LINES SHOWN ON THESE PLANS.
9. ALL OPENINGS RESULTING FROM CUTTING OR PARTIAL REMOVAL OF EXIST. CULVERTS, PIPES, OR SIMILAR STRUCTURES TO BE ABANDONED, SHALL BE SEALED AT BOTH ENDS WITH 6" MIN CLASS "B" CONCRETE.
10. ALL PAVEMENT DELINEATION, CURBS, SIDEWALKS AND OTHER IMPROVEMENTS ARE TO BE RECONSTRUCTED IN KIND AT THE SAME LOCATIONS AND ELEVATIONS AS THE EXISTING IMPROVEMENTS, UNLESS OTHERWISE NOTED.
11. ⊕ INDICATES APPROX. SOIL BORING LOCATION PER SOILS REPORT DATED 3/16/06.
12. FOR COMPLETE RIGHT-OF-WAY REFER TO RECORDED PARCEL NO. 1148-1A, 1B AND TEMPORARY EASEMENT REFER TO THE RIGHT OF ENTRY AND TEMPORARY CONSTRUCTION EASEMENT AGREEMENT, RCFC PARCEL NO. 1148-1AT, 1BT, T.

R.C.F.C. & W.C.D. STANDARD DRAWINGS

CB 109	SPECIAL CONNECTIONS TO CATCH BASIN
CB 110	CONCRETE DROP INLET
JS 226	JUNCTION STRUCTURE NO. 1
JS 227	JUNCTION STRUCTURE NO. 2
JS 228	JUNCTION STRUCTURE NO. 3
JS 229	JUNCTION STRUCTURE NO. 4
MH 252	MANHOLE NO. 2
MH 253	MANHOLE NO. 3
MH 254	MANHOLE NO. 4
MH 259	STANDARD DROP STEP
TS 301	TRANSITION STRUCTURE NO. 1
TS 303	TRANSITION STRUCTURE NO. 3
CH 326	TRAPEZOIDAL CHANNEL STRUCTURAL DETAILS (WEEPHOLES)
CH 327	RECTANGULAR CHANNEL STRUCTURAL DETAILS (WEEPHOLES)
M 801	DOUBLE DRIVE GATE
M 803	CONCRETE COLLAR
M 815	BEDDING AND PAY LINES
M 816	CONCRETE BULKHEAD
M 820	PIPE SWING GATE
M 826	CABLE FENCE

CALTRANS STANDARDS

D80	CAST IN PLACE REINFORCED CONCRETE SINGLE BOX CULVERT
A73-A	OBJECT MARKERS TYPE L-1
D84	BOX CULVERT WINGWALLS TYPE A
B11-47	CABLE RAILING
ES-5A	ELECTRICAL SYSTEMS AND (DETECTORS)
A77-A1	METAL BEAM GUARD RAILING STD RAILING SECTION (WOOD POST WITH WOOD BLOCKS)
A77-B1	METAL BEAM GUARD RAILING STANDARD HARDWARE
A77-C1	METAL BEAM GUARD RAILING WOOD BLOCK AND WOOD POST DETAILS
A77-E1	METAL BEAM GUARD RAILING TYPICAL LAYOUTS FOR EMBANKMENTS
A77-L1	METAL BEAM TERMINAL SYSTEM
A77-(C3 C4, H1)	OTHER METAL BEAM GUARD RAILING DETAILS

COUNTY STANDARDS

NO. 202	TYPE C CURB
NO. 211	CURB TRANSITION
NO. 212	ASPHALT CONCRETE DIKES
NO. 300	CURB INLET CATCH BASIN
NO. 302	COMBINATION INLET CATCH BASIN NO. 2
NO. 304	CURB SUPPORT DETAIL
NO. 305	GRATE AND FRAME DETAIL
NO. 311	GUTTER DEPRESSION FOR CURB OPENING CATCH BASIN
NO. 312	GUTTER DEPRESSION FOR CURB OPENING CATCH BASIN
NO. 608	MANHOLE FRAME AND COVER

REGISTERED PROFESSIONAL ENGINEER ROBERT J. CULLEN No. 44684 Exp. 3-31-10 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER WARREN D. WILLIAMS No. 32336 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

AS BUILT
APPROVED BY:
DATE 5/24/2011

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
DEPUTY DIRECTOR OF TRANSPORTATION
DATE: 5/14/09

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

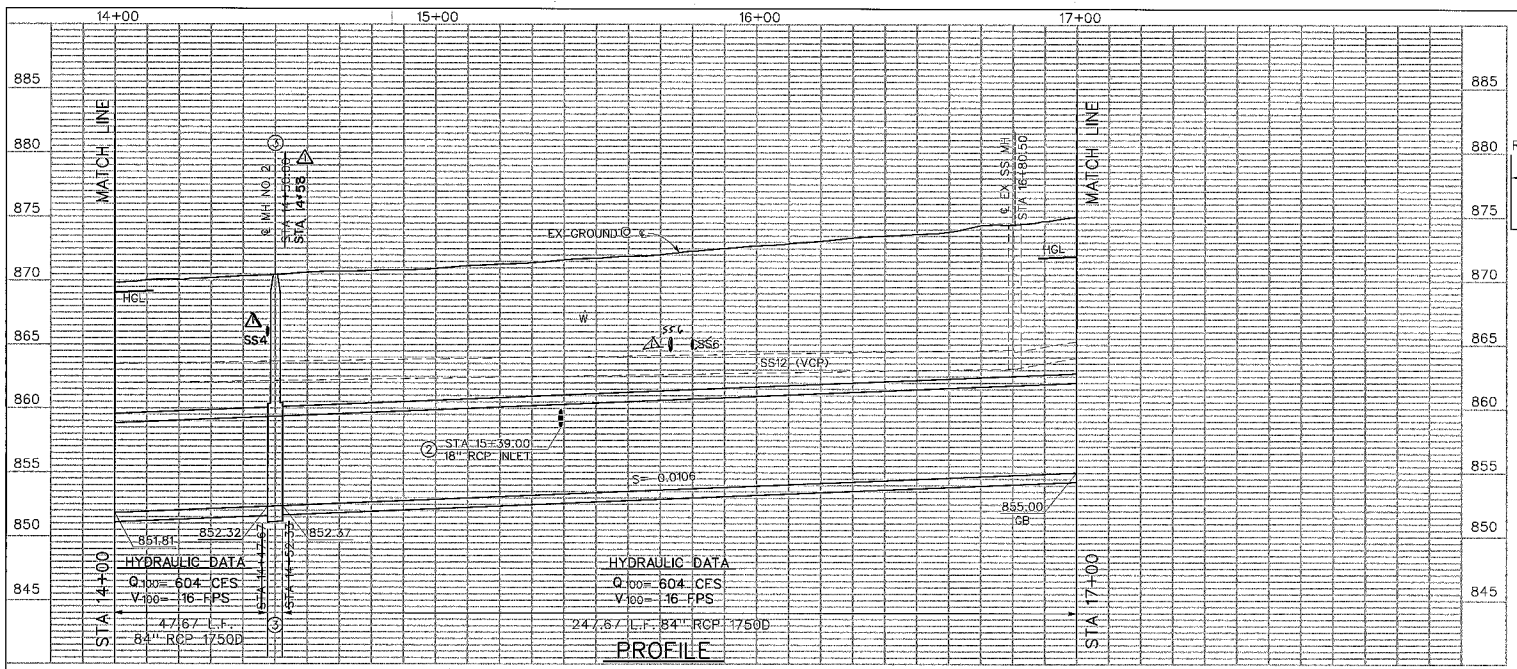
BENCH MARK
B.M. NO. Z 10761
NAIL WITH RCFC&WCD TAG FLUSH
N 2312688.57
E 6218650.51
ELEV = 828.35

REF.	REVISIONS	APPR.	DATE
A	DELETED SHEETS 61 THROUGH 78 (TRAFFIC CONTROL PLANS)	DK	5/24/11

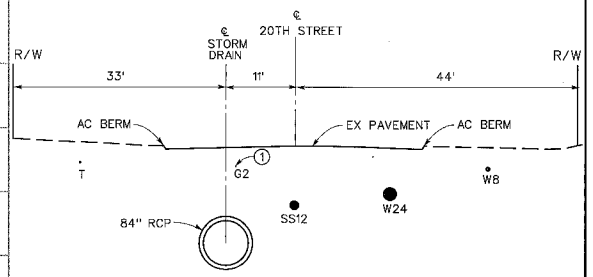
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
DESIGNED BY: E.D., L.F. & A.M.
DRAWN BY: MARK UPTON
DATE DRAWN: APRIL 2009
RECOMMENDED FOR APPROVAL BY:
DATE: 22-APR-09 R.E. No. 44684
APPROVED BY:
DATE: 5/18/09 R.E. No. 32336

BELLTOWN MARKET STREET STORM DRAIN
STAGE 1 LINE A, B & B-1
TITLE SHEET

PROJECT NO. 1-0-0148 1-0-0156 1-0-0157
DRAWING NO. 1-637
SHEET NO. 1 OF 78

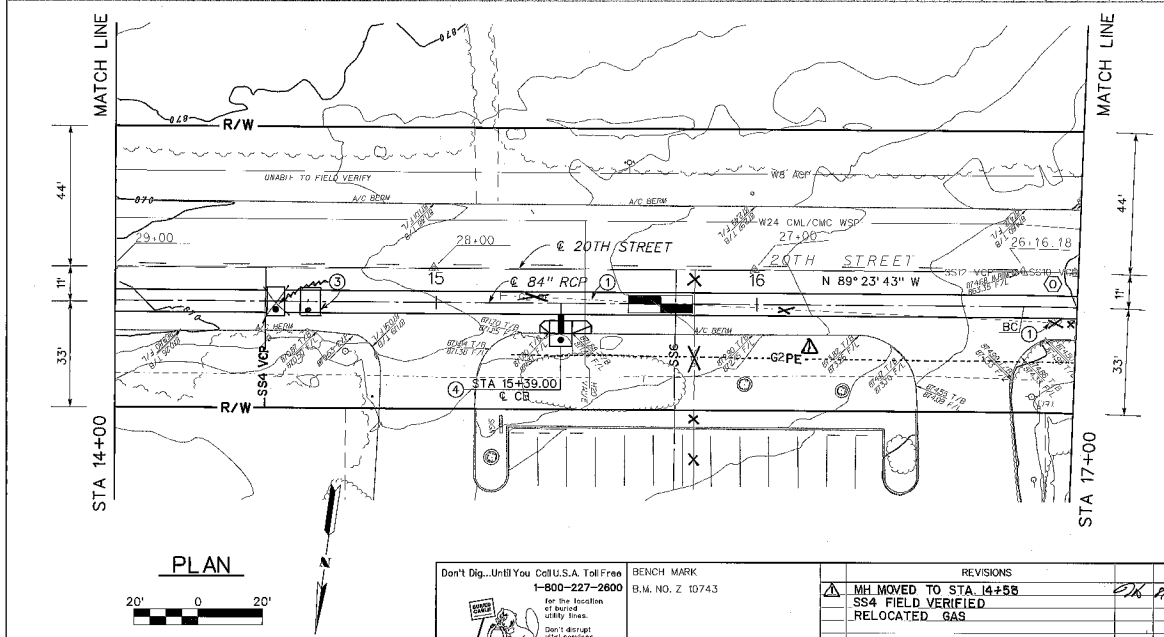


NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES UNLESS OTHERWISE NOTED.



SECTION AT STA 15+70

10' 0 10'



PLAN

20' 0 20'

NOTES

1. 2" GAS LINE TO BE RELOCATED BY OTHERS
2. CONSTRUCT JS NO. 4 PER STD JS229, A= 90°, D= 18", ELEV S=858.60.
3. CONSTRUCT MH NO.2 PER STD MH252, $D_1 = D_2 = 84"$.
4. CONSTRUCT CURB INLET CATCH BASIN PER COUNTY STD NO. 300 H= 7', W=7', 9.5 LF – 18" RCP CLASS IV. SEE PROFILE ON SHEET 48.

⓪ ℄ CURVE DATA
Δ = 19° 33' 25"
R = 488.00'
L = 166.57'
T = 84.10'
BC = STA 16+83.43
EC = STA 18+50.00
PI = N 2316395.638
E 6215868.571

REGISTERED PROFESSIONAL ENGINEER MIKE M. WONG No. 46355 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER ROBERT J. CULLEN No. 44684 Exp. 3-31-10 CIVIL STATE OF CALIFORNIA

AS BUILT
APPROVED BY
DATE 6/24/2011

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
B.M. NO. Z 10743

SEE SHEET 21

REF.	REVISIONS DESCRIPTION	APPR.	DATE
1	MH MOVED TO STA. 14+58	DK	6/24/11
	SS4 FIELD VERIFIED		
	RELOCATED GAS		

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

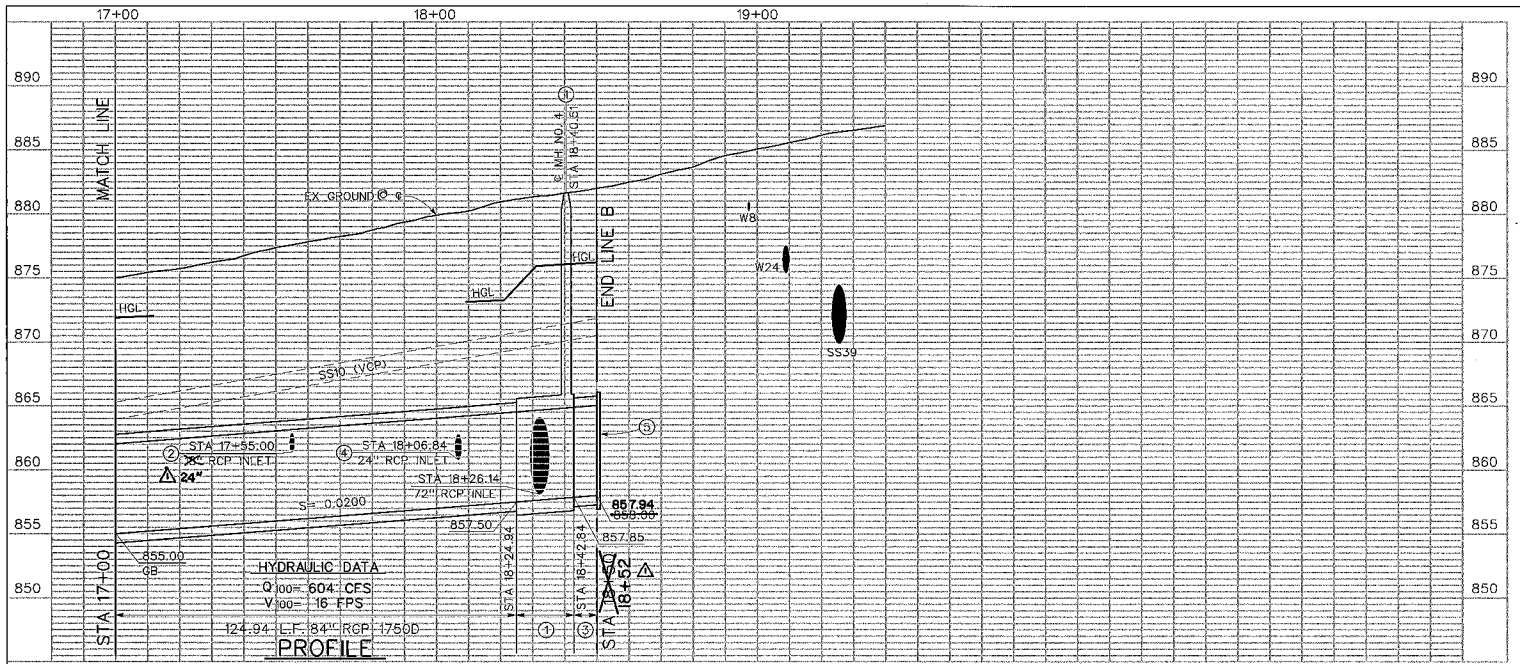
DESIGNED BY: A. McNEILL
DRAWN BY: MARK UPTON
DATE DRAWN: APRIL 2009

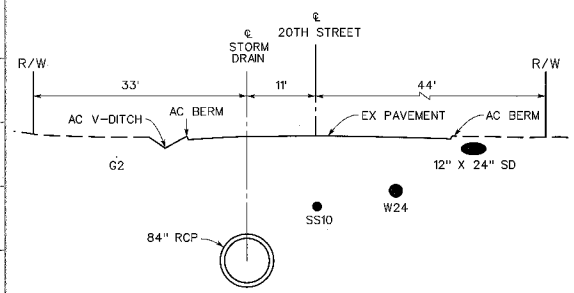
RECOMMENDED FOR APPROVAL BY: Mike M. Wong
DATE: 4/22/09 R.E. No. 46355

APPROVED BY: [signature]
DATE: 22-APR-09 R.E. No. 44684

BELLTOWN LINE B STORM DRAIN
STAGE 1
STA 14+00 TO STA 17+00

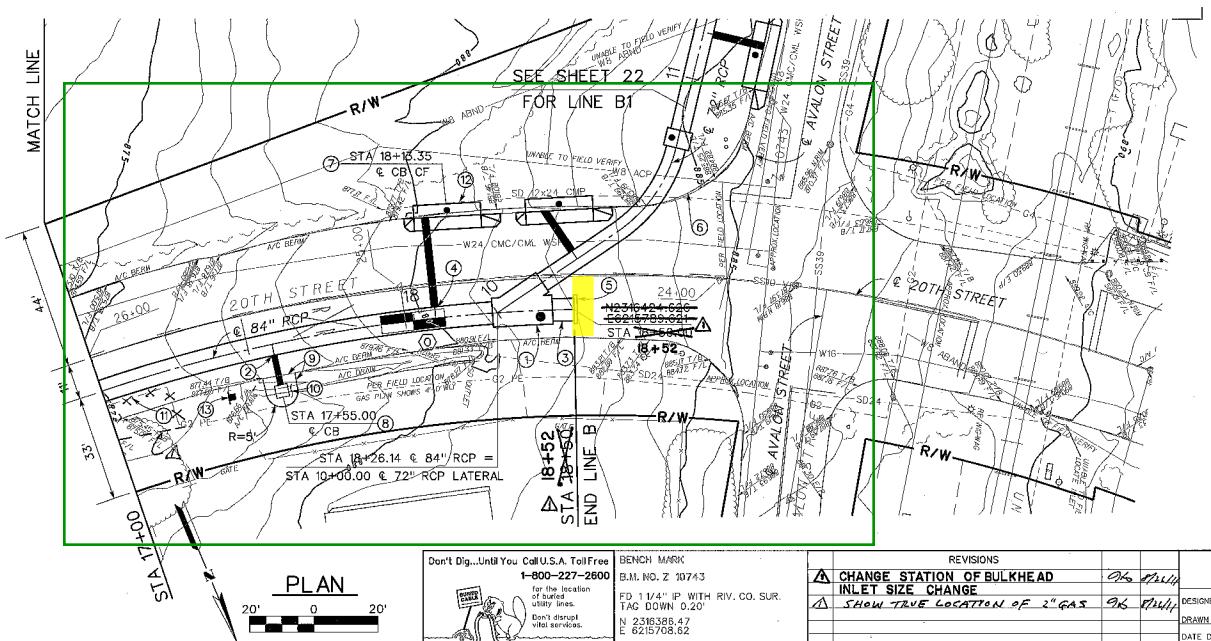
PROJECT NO. 1-0-0156
DRAWING NO. 1-637
SHEET NO. 20 OF 78





SECTION AT STA 18+00

10' 0 10'



PLAN

20' 0 20'

℄ CURVE DATA

Δ = 19° 33' 25"
R = 488.00'
L = 166.57'
T = 84.10'
BC = STA 16+83.43
EC = STA 18+50.00
PI = N 2316395.638
E 6215868.571

NOTES

1. CONSTRUCT MH NO. 4 PER STD MH254, A= 30°, B= 72', C= 16.87, $D_1 = D_2$ = 84", ELEV R= 853.83, ELEV S= 858.11.
2. CONSTRUCT JS NO. 4 PER STD JS229, A= 90°, D= 18", ELEV S= 861.36.
3. INSTALL 84" RCP 1750D JOINT.
4. CONSTRUCT JS NO. 4 PER STD JS229, A= 90°, D= 24", ELEV S= 860.78.
5. SEAL RCP WITH CONCRETE BULKHEAD PER STD M816.
6. CONSTRUCT 8" AC DIKE. SEE AVALON STREET 8" AC DIKE ALIGNMENT SHEET 60.
7. CONSTRUCT CURB INLET CATCH BASIN PER COUNTY STD NO. 300. H= 6', W= 21', 33 LF – 24" RCP CLASS IV. SEE PROFILE ON SHEET 49.
8. ⚠ CONSTRUCT CONCRETE DROP INLET PER STD CB110, OPENING EAST, WEST AND SOUTH SIDES, V= 7', 13LF – 24" RCP CLASS IV. SEE PROFILE ON SHEET 48.
9. CUT AND REMOVE 10' OF EXISTING BERM. CONSTRUCT 8" AC DIKE PER COUNTY STD 212. UPSTREAM T/B ELEV= 878.02, DOWNSTREAM T/B ELEV= 877.67.
10. CONSTRUCT TOP OF AC DIKE TO BOTTOM OF EXISTING AC TRAP. GRADE TO DRAIN AS DIRECTED BY ENGINEER.
11. 2" GAS LINE TO BE RELOCATED BY OTHERS.
12. REMOVE AND DISPOSE OF INTERFERING PORTIONS OF 12" X 24" CMP.
13. INSTALL OBJECT MARKER PER CALTRANS STD A73–A TYPE L–1.

REGISTERED PROFESSIONAL ENGINEER MIKE M. WONG No. 46355 Exp. 12–31–10 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER ROBERT J. CULLEN No. 44684 Exp. 3–31–10 CIVIL STATE OF CALIFORNIA

AS BUILT
APPROVED BY
DATE

Don't Dig...Until You Call U.S.A. Toll Free 1–800–227–2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK
B.M. NO. Z 10743
FD 1 1/4" IP WITH RIV. CO. SUR. TAG DOWN 0.20'
N 2316388.47
E 6215708.62
ELEV = 885.33

REF.	REVISIONS	APPR.	DATE
⚠	CHANGE STATION OF BULKHEAD		
⚠	INLET SIZE CHANGE		
⚠	SHOW TRUE LOCATION OF 2" GAS		

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: A. McNEILL
DRAWN BY: MARK UPTON
DATE DRAWN: APRIL 2009

RECOMMENDED FOR APPROVAL BY: Mike M. Wong
DATE: 4/22/09 R.E. No. 46355

APPROVED BY:
DATE: 22-Apr-09 R.E. No. 44684

BELLTOWN LINE B STORM DRAIN
STAGE 1
STA 17+00 TO STA 18+50

PROJECT NO. 1–0–0156
DRAWING NO. 1–637
SHEET NO. 21 OF 78

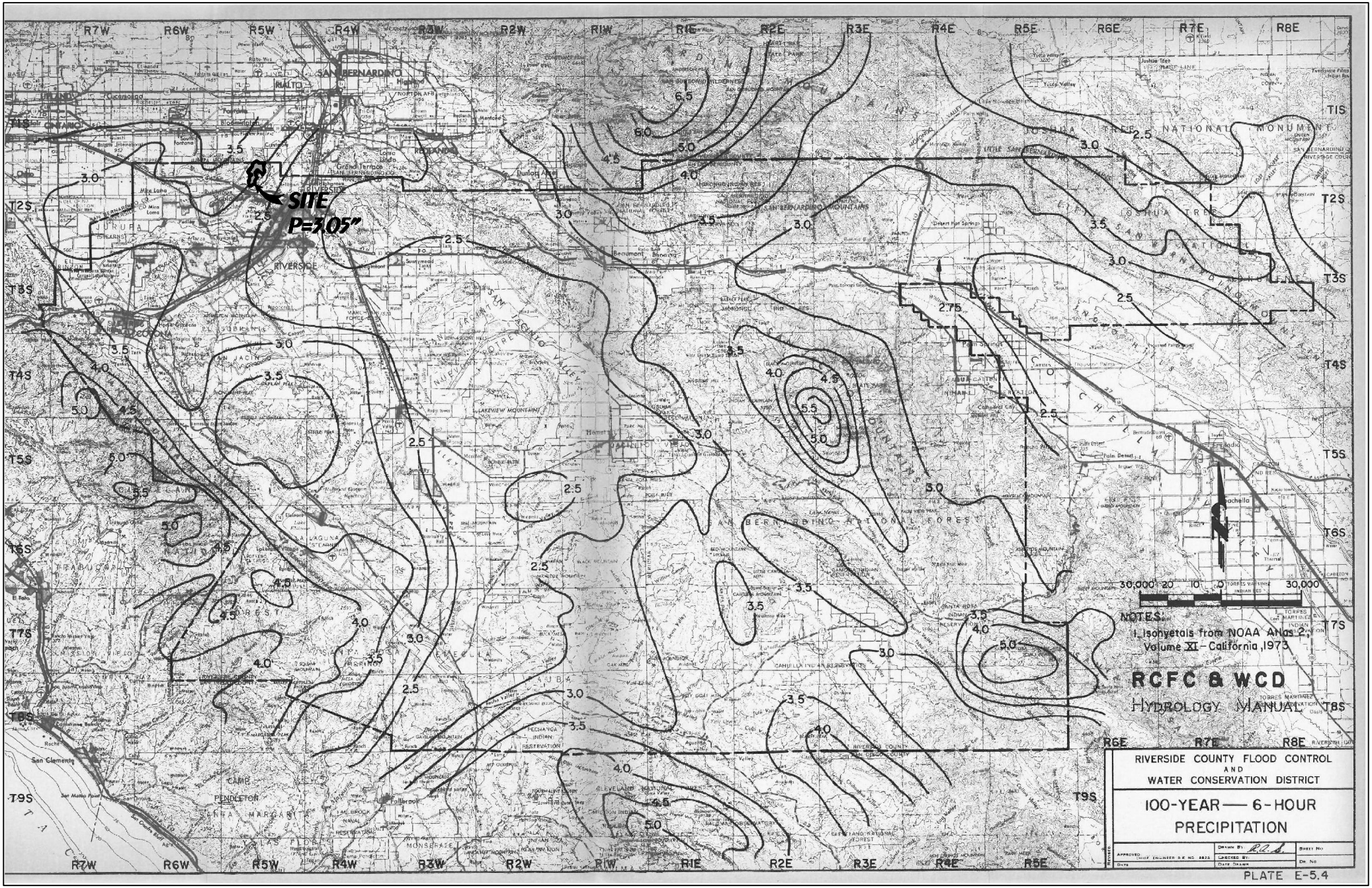
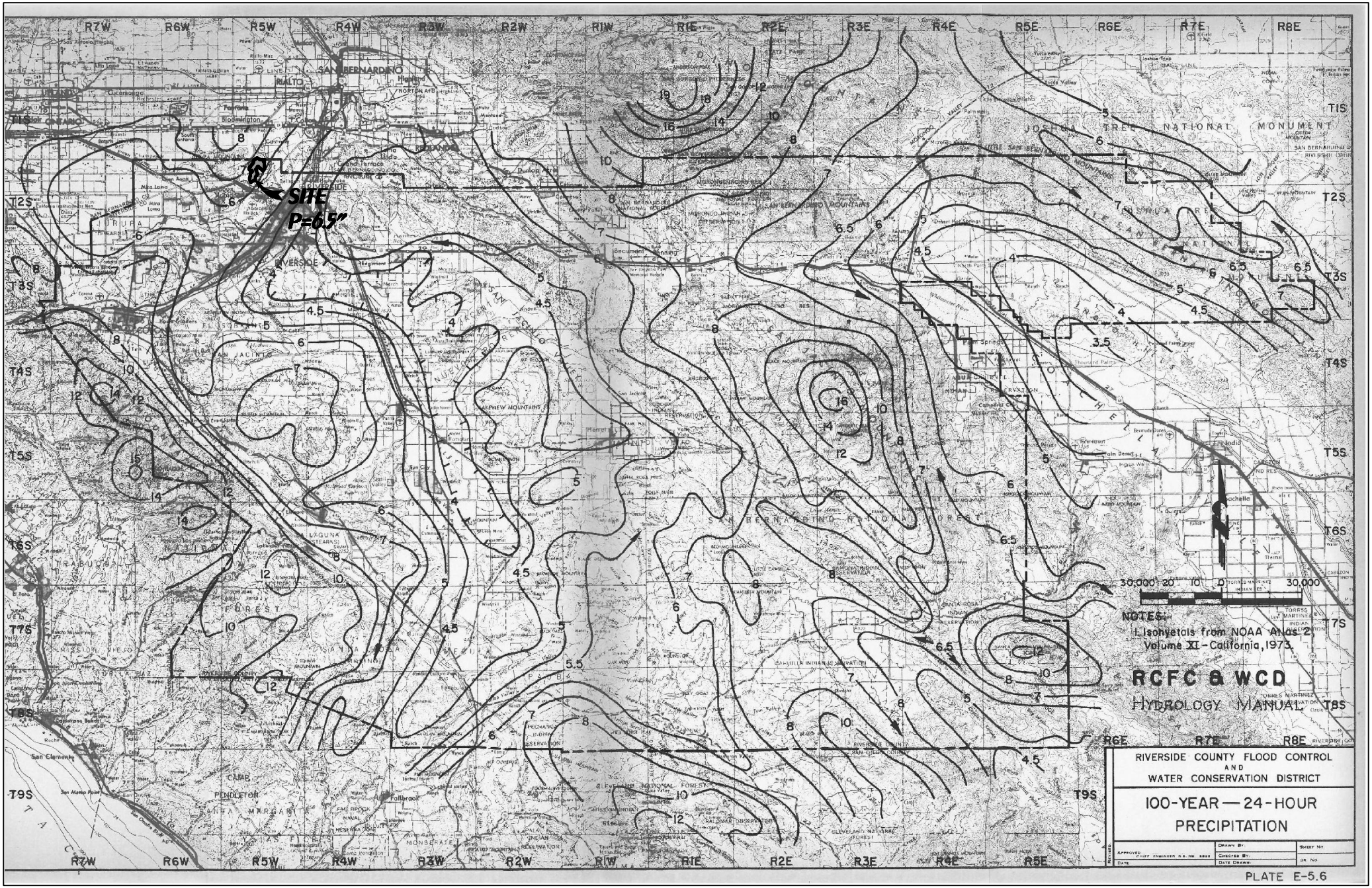

SITE
P=3.05"
NOTES:
1. Isohyetals from NOAA Atlas 2, Volume XI - California, 1973
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
100-YEAR — 6-HOUR PRECIPITATION

PLATE E-5.4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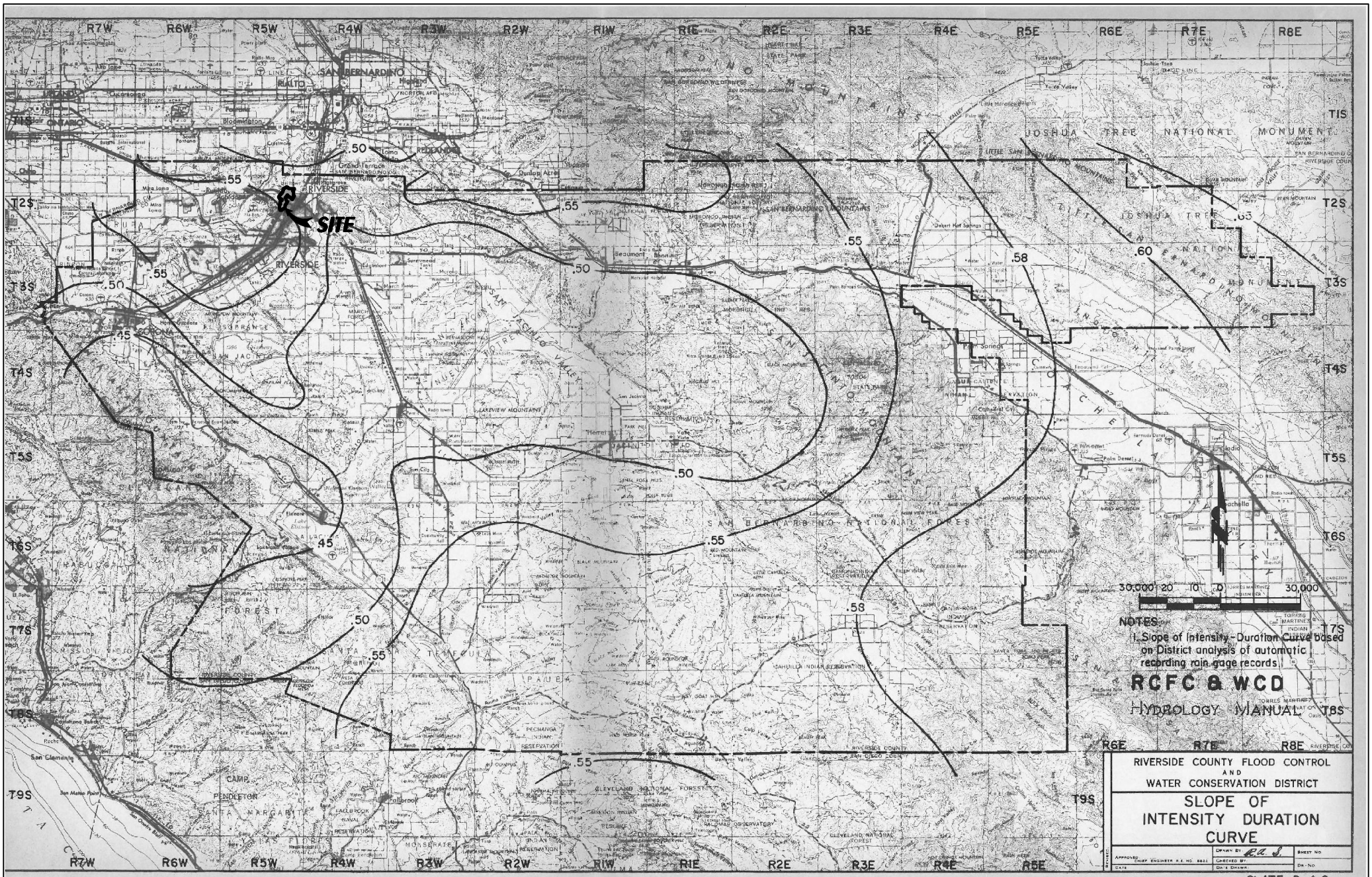
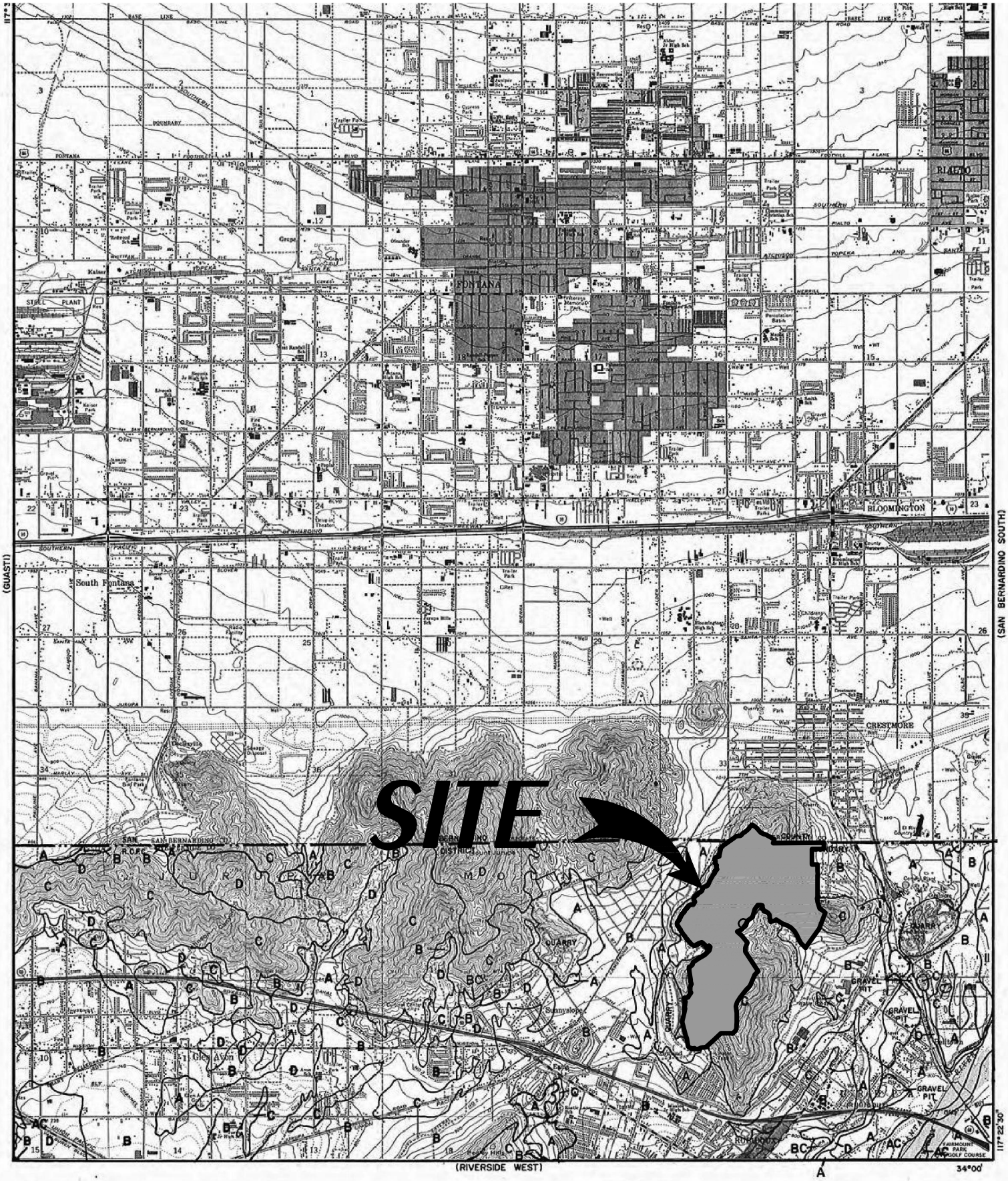
P=6.5"
NOTES:
1. Isohyetals from NOAA Atlas 2, Volume XI - California, 1973.
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
100-YEAR — 24-HOUR PRECIPITATION

PLATE E-5.6


SITE
.45
.50
.55
.58
.60
.63
NOTES:
1. Slope of Intensity - Duration Curve based on District analysis of automatic recording rain gage records
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
SLOPE OF INTENSITY DURATION CURVE
PLATE D-4.6



LEGEND

—— SOILS GROUP BOUNDARY

A SOILS GROUP DESIGNATION

RCFC&WCD

HYDROLOGY MANUAL

N

0 FEET 5000

HYDROLOGIC SOILS GROUP MAP FOR FONTANA

January 2022

PRELIMINARY HYDROLOGY STUDY

Tract Map 37074

Rio Vista

County of Riverside

HUNSAKER & ASSOCIATES IRVINE, INC.

H.2 - Project-Specific Water Quality Management Plan

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PROJECT-SPECIFIC WATER QUALITY MANAGEMENT PLAN

"RIO VISTA"

TTM 37074

Project Address:
West of 20th Street and South of 7th Street
City of Jurupa Valley, CA

Prepared for:

Richland Communities

3161 Michelson, Suite 425
Irvine, CA 92612
(949) 261-7016

Prepared by:

Hunsaker & Associates Irvine, Inc.
3 Hughes
Irvine, CA 92618
(949) 583-1010

WQMP Preparation Date:
January 24, 2022

W.O. 3763-10

W.O. 3763-10

PROJECT-SPECIFIC WATER QUALITY MANAGEMENT PLAN

"RIO VISTA"

City of Jurupa Valley, CA

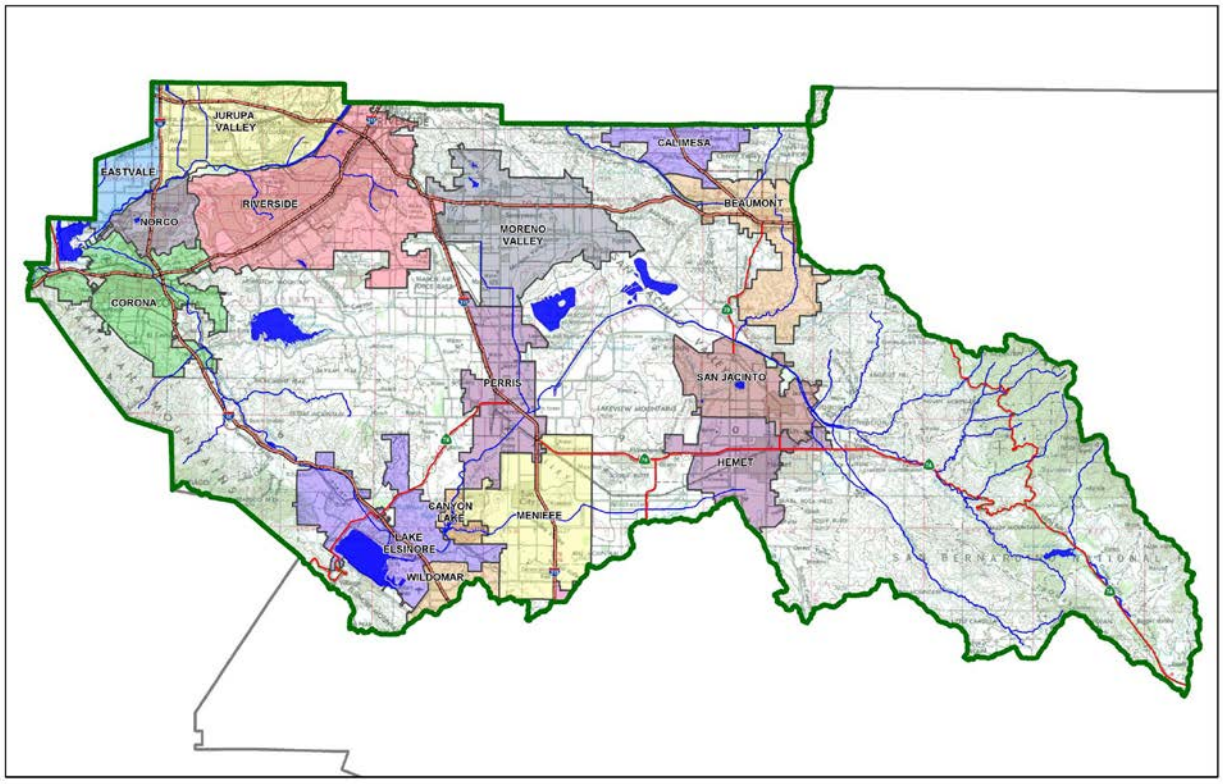
Project Specific Water Quality Management Plan

*A Template for Projects located within the **Santa Ana Watershed** Region of Riverside County*

Project Title: Rio Vista

Development No:

Design Review/Case No: TTM 37074



☒ **Preliminary**
☐ **Final**

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Prepared for Compliance with
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Contact Information:

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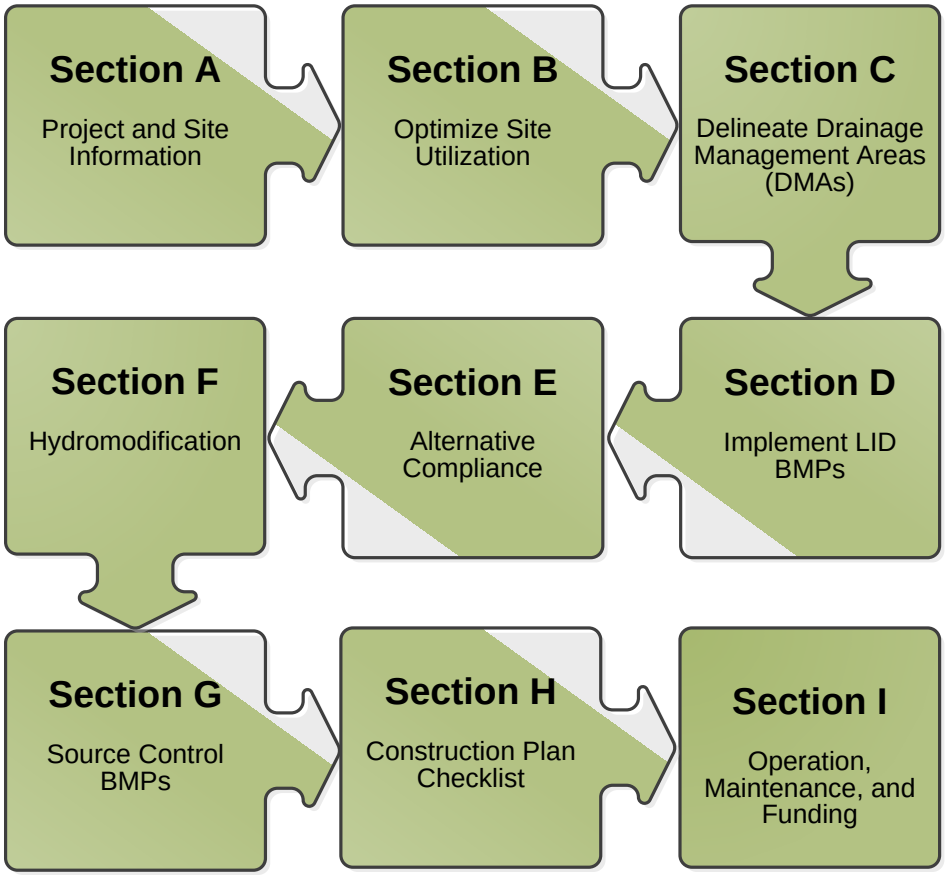
A Brief Introduction

This Project-Specific WQMP Template for the **Santa Ana Region** has been prepared to help guide you in documenting compliance for your project. Because this document has been designed to specifically document compliance, you will need to utilize the WQMP Guidance Document as your "how-to" manual to help guide you through this process. Both the Template and Guidance Document go hand-in-hand, and will help facilitate a well prepared Project-Specific WQMP. Below is a flowchart for the layout of this Template that will provide the steps required to document compliance.



OWNER'S CERTIFICATION

This Project-Specific Water Quality Management Plan (WQMP) has been prepared for *Richland Communities* by *Hunsaker & Associates Irvine, Inc.* for the *Rio Vista* project.

This WQMP is intended to comply with the requirements of *City of Jurupa Valley* for the preparation and implementation of a Project-Specific WQMP.

The undersigned, while owning the property/project described in the preceding paragraph, shall be responsible for the implementation and funding of this WQMP and will ensure that this WQMP is amended as appropriate to reflect up-to-date conditions on the site. In addition, the property owner accepts responsibility for interim operation and maintenance of Stormwater BMPs until such time as this responsibility is formally transferred to a subsequent owner. This WQMP will be reviewed with the facility operator, facility supervisors, employees, tenants, maintenance and service contractors, or any other party (or parties) having responsibility for implementing portions of this WQMP. At least one copy of this WQMP will be maintained at the project site or project office in perpetuity. The undersigned is authorized to certify and to approve implementation of this WQMP. The undersigned is aware that implementation of this WQMP is enforceable under *City of Jurupa Valley Water Quality Ordinance (Municipal Code Section 6.10)*.

"I, the undersigned, certify under penalty of law that the provisions of this WQMP have been reviewed and accepted and that the WQMP will be transferred to future successors in interest."

Owner's Signature	Date
Owner's Printed Name	Owner's Title/Position

PREPARER'S CERTIFICATION

"The selection, sizing and design of stormwater treatment and other stormwater quality and quantity control measures in this plan meet the requirements of Regional Water Quality Control Board Order No. **R8-2010-0033** and any subsequent amendments thereto."

Preparer's Signature	Date
Preparer's Printed Name	Preparer's Title/Position

Preparer's Licensure:

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Section A: Project and Site Information

PROJECT INFORMATION	
Type of Project:	The Rio Vista project consists of approximately 907.28 acres located north of Highway 60, south of 7th Street, east of Armstrong Road and west of Rubidoux Boulevard. The project proposes the development of residential (33.35 acres) multi-family residential (11.12 acres), School (13.76 acres), Park/Trails (18.34 acres), Water Tank (5.07 acres), Open Space (46.12 acres), Roads (32.55 acres) and Future Development (741.99 acres). Overall, the project site has been delineated into sixteen (9) Drainage Management Areas (DMA's); DMA "A" is approximately 51.5 acres, DMA "B" is approximately 134 acres, DMA "C" is approximately 47.22 acres, DMA "D" is approximately 21.11 acres, DMA "E" is approximately 51.43 acres, DMA "F" is approximately 16.69 acres, DMA "G" is approximately 22.43 acres, DMA "H" is approximately 81.84 acres, DMA I" is approximately 20.28 acres. DMA A, will utilize Water Quality Basin/Hydromodification, DMA's B-I will utilize Water Quality Basin/Hydromodification/Detention to treat the project's pollutants of concern and to mitigate for Hydrologic Conditions of Concern (HCOC's). Bioretention basins have been proposed due to poor soils conditions for infiltration. See Appendix B for a Site Plan and Drainage Management Boundary Map illustrating all of the proposed Drainage Management Areas and water quality BMPs.
Planning Area:	
Community Name:	Rio Vista SP No. 16001
Development Name:	Rio Vista
PROJECT LOCATION	
Latitude & Longitude (DMS): 34.022613, -117.407957 Project Watershed and Sub-Watershed: Santa Ana River APN(s): 175-160-001, 177-030-014, 177-040-002, 177-040-008, 175-080-010, 175-090-001, 175-090-003, 175-090-004, 177-060-012, 175-160-007, 175-160-005, 175-100-005, 175-100-006, 175-150-002, 175-100-003 Map Book and Page No.: Thomas Bros. Map 2008, Page 645, Grid C4, C5, C6, C7, D4, D5, D6, D7, E5, E6 and Page 685, Grid C1 and D1	
PROJECT CHARACTERISTICS	
Proposed or Potential Land Use(s)	Residential
Proposed or Potential SIC Code(s)	1521
Area of Impervious Project Footprint (SF)	9,698,634
Total Area of <u>proposed</u> Impervious Surfaces within the Project Limits (SF)/or Replacement	9,698,634 Impervious area includes limits of DMA boundaries only
Does the project consist of offsite road improvements?	☐ Y ☒ N
Does the project propose to construct unpaved roads?	☐ Y ☒ N
Is the project part of a larger common plan of development (phased project)?	☒ Y ☐ N
EXISTING SITE CHARACTERISTICS	
Total area of <u>existing</u> Impervious Surfaces within the project limits (SF)	0

Is the project located within any MSHCP Criteria Cell?	☐ Y	☒ N
If so, identify the Cell number:		
Are there any natural hydrologic features on the project site?	☐ Y	☐ N
Is a Geotechnical Report attached?	☒ Y	☐ N
If no Geotech. Report, list the NRCS soils type(s) present on the site (A, B, C and/or D)		
What is the Water Quality Design Storm Depth for the project?	0.70	

A.1 Maps and Site Plans

When completing your Project-Specific WQMP, include a map of the local vicinity and existing site. In addition, include all grading, drainage, landscape/plant palette and other pertinent construction plans in Appendix 2. At a **minimum**, your WQMP Site Plan should include the following:

- Drainage Management Areas
- Proposed Structural BMPs
- Drainage Path
- Drainage Infrastructure, Inlets, Overflows
- Source Control BMPs
- Buildings, Roof Lines, Downspouts
- Impervious Surfaces
- Standard Labeling

Use your discretion on whether or not you may need to create multiple sheets or can appropriately accommodate these features on one or two sheets. Keep in mind that the Co-Permittee plan reviewer must be able to easily analyze your project utilizing this template and its associated site plans and maps.

A.2 Identify Receiving Waters

Using Table A.1 below, list in order of upstream to downstream, the receiving waters that the project site is tributary to. Continue to fill each row with the Receiving Water's 303(d) listed impairments (if any), designated beneficial uses, and proximity, if any, to a RARE beneficial use. Include a map of the receiving waters in Appendix 1.

Table A.1 Identification of Receiving Waters

Receiving Waters	EPA Approved 303(d) List Impairments	Designated Beneficial Uses	Proximity to RARE Beneficial Use
Sunnyslope Channel CH_Freeway Lat (Surface Water Channel, RCFC 818)	No 303 (d) impairments	GWR, REC1, REC2, WARM, WILD	Not designated as Rare Beneficial Use
Sunnyslope Channel CH Stg 1 (Surface Water Channel, RCFC 386)	No 303 (d) impairments	AGR, GWR, REC1, REC2, WARM, WILD, RARE	Not designated as Rare Beneficial Use
Santa Ana River, Reach 3	Pathogens	AGR, GWR, REC1, WARM, WILD, RARE, SPWN	Approx. 1.5 miles
Santa Ana River, Reach 2	Indicator Bacteria	AGR, GWR, REC1, REC2, WARM, WILD, RARE	Approx. 30 miles
Santa Ana River, Reach 1	No 303 (d) impairments	REC1, REC2, WARM, WILD	Not Designated as RARE
Pacific Ocean	No 303 (d) impairments	REC1, REC2, BIOL, WILD, RARE, MAR, EST	Approx. 40 miles

A.3 Additional Permits/Approvals required for the Project:

Table A.2 Other Applicable Permits

Agency	Permit Required	
State Department of Fish and Game, 1602 Streambed Alteration Agreement	☐ Y	☒ N
State Water Resources Control Board, Clean Water Act (CWA) Section 401 Water Quality Cert.	☐ Y	☒ N
US Army Corps of Engineers, CWA Section 404 Permit	☐ Y	☒ N
US Fish and Wildlife, Endangered Species Act Section 7 Biological Opinion	☐ Y	☒ N
Statewide Construction General Permit Coverage	☒ Y	☐ N
Statewide Industrial General Permit Coverage	☐ Y	☒ N
Western Riverside MSHCP Consistency Approval (e.g., JPR, DBESP)	☐ Y	☒ N
Other *(please list in the space below as required)*	☐ Y	☐ N

If yes is answered to any of the questions above, the Co-Permittee may require proof of approval/coverage from those agencies as applicable including documentation of any associated requirements that may affect this Project-Specific WQMP.

See table for project summary. TTM 37074 is included in Appendix 1 as reference.

SUMMARY OF ALL LOTS

Land Use	Total Acreage
Residential	33.35
Multifamily	11.12
School	13.76
Park/Trails	18.34
Basin	4.98
Water Tank	5.07
Open Space	46.12
Future Development	741.99
Roads	32.55
Total	907.28

Section B: Optimize Site Utilization (LID Principles)

Review of the information collected in Section 'A' will aid in identifying the principal constraints on site design and selection of LID BMPs as well as opportunities to reduce imperviousness and incorporate LID Principles into the site and landscape design. For example, constraints might include impermeable soils, high groundwater, groundwater pollution or contaminated soils, steep slopes, geotechnical instability, high-intensity land use, heavy pedestrian or vehicular traffic, utility locations or safety concerns. Opportunities might include existing natural areas, low areas, oddly configured or otherwise unbuildable parcels, easements and landscape amenities including open space and buffers (which can double as locations for bioretention BMPs), and differences in elevation (which can provide hydraulic head). Prepare a brief narrative for each of the site optimization strategies described below. This narrative will help you as you proceed with your LID design and explain your design decisions to others.

The 2010 Santa Ana MS4 Permit further requires that LID Retention BMPs (Infiltration Only or Harvest and Use) be used unless it can be shown that those BMPs are infeasible. Therefore, it is important that your narrative identify and justify if there are any constraints that would prevent the use of those categories of LID BMPs. Similarly, you should also note opportunities that exist which will be utilized during project design. Upon completion of identifying Constraints and Opportunities, include these on your WQMP Site plan in Appendix 1.

Site Optimization

The following questions are based upon Section 3.2 of the WQMP Guidance Document. Review of the WQMP Guidance Document will help you determine how best to optimize your site and subsequently identify opportunities and/or constraints, and document compliance.

Did you identify and preserve existing drainage patterns? If so, how? If not, why?

Yes. A portion of the site will drain to the southeast and connect to an existing storm drain system in Market Street. The westerly portion will drain towards Sunnyslope Channel via a storm drain system in the adjacent Highland Park development.

Did you identify and protect existing vegetation? If so, how? If not, why?

Yes. Approximately 38 acres of the site will remain natural open space. Additionally, landscaping/open space lots and parks will incorporated into the project's design.

Did you identify and preserve natural infiltration capacity? If so, how? If not, why?

Natural infiltration capacity was preserved where feasible. The site consists of Soil Types B, C, and D, therefore limitations exist when preserving natural infiltration in less favorable soils conditions.

Did you identify and minimize impervious area? If so, how? If not, why?

Where feasible, impervious areas were minimized. The development is proposed to meet the Riverside County Low Impact Development BMP Design Handbook. The project site will consist of 51% of pervious area, which includes landscape design and the preservation of natural open space.

Did you identify and disperse runoff to adjacent pervious areas? If so, how? If not, why?

Yes. Runoff has been directed to vegetated swales and landscaping areas where possible. If not, runoff will be conveyed to the project's catch basins and directed to the proposed water quality BMP facilities for treatment.

Section C: Delineate Drainage Management Areas (DMAs)

Utilizing the procedure in Section 3.3 of the WQMP Guidance Document which discusses the methods of delineating and mapping your project site into individual DMAs, complete Table C.1 below to appropriately categorize the types of classification (e.g., Type A, Type B, etc.) per DMA for your project site. Upon completion of this table, this information will then be used to populate and tabulate the corresponding tables for their respective DMA classifications.

Table C.1 DMA Classifications

DMA Name or ID	Surface Type(s)[1]	Area (Sq. Ft.)	DMA Type
DMA A	Mixed Surface Types	2,243,340	D
DMA B	Mixed Surface Types	5,837,040	D
DMA C	Mixed Surface Types	2,056,903	D
DMA D	Mixed Surface Types	919,551	D
DMA E	Mixed Surface Types	2,240,290	D
DMA F	Mixed Surface Types	727,016	D
DMA G	Mixed Surface Types	977,050	D
DMA H	Mixed Surface Types	3,564,950	D
DMA I	Mixed Surface Types	883,396	D
Total		19,449,536	

[1]*Reference Table 2-1 in the WQMP Guidance Document to populate this column*

Table C.2 Type 'A', Self-Treating Areas

DMA Name or ID	Area (Sq. Ft.)	Stabilization Type	Irrigation Type (if any)

Table C.3 Type 'B', Self-Retaining Areas

Self-Retaining Area				**Type 'C' DMAs that are draining to the Self-Retaining Area**		
DMA Name/ ID	Post-project surface type	Area (square feet) [A]	Storm Depth (inches) [B]	DMA Name / ID	[C] from Table C.4 = [C]	Required Retention Depth (inches) [D]
N/A						

$$[D] = [B] + \frac{[B] \cdot [C]}{[A]}$$

Table C.4 Type 'C', Areas that Drain to Self-Retaining Areas

DMA					**Receiving Self-Retaining DMA**		
DMA Name/ ID	Area (square feet) [A]	Post-project surface type	Runoff factor [B]	Product [C] = [A] x [B]	DMA name /ID	Area (square feet) [D]	Ratio [C]/[D]
N/A							

Table C.5 Type 'D', Areas Draining to BMPs

DMA Name or ID	BMP Name or ID
DMA A	Basin A
DMA B	Basin B
DMA C	Basin C
DMA D	Basin D
DMA E	Basin E
DMA F	Basin F
DMA G	Basin G
DMA H	Basin H
DMA I	Basin I

Note: More than one drainage management area can drain to a single LID BMP, however, one drainage management area may not drain to more than one BMP.

Section D: Implement LID BMPs

D.1 Infiltration Applicability

Is there an approved downstream 'Highest and Best Use' for stormwater runoff (see discussion in Chapter 2.4.4 of the WQMP Guidance Document for further details)? ☐ Y ☒ N

If yes has been checked, Infiltration BMPs shall not be used for the site. If no, continue working through this section to implement your LID BMPs. It is recommended that you contact your Co-Permittee to verify whether or not your project discharges to an approved downstream 'Highest and Best Use' feature.

Geotechnical Report

A Geotechnical Report or Phase I Environmental Site Assessment may be required by the Copermittee to confirm present and past site characteristics that may affect the use of Infiltration BMPs. In addition, the Co-Permittee, at their discretion, may not require a geotechnical report for small projects as described in Chapter 2 of the WQMP Guidance Document. If a geotechnical report has been prepared, include it in Appendix 3. In addition, if a Phase I Environmental Site Assessment has been prepared, include it in Appendix 4.

Is this project classified as a small project consistent with the requirements of Chapter 2 of the WQMP Guidance Document? ☐ Y ☒ N

Infiltration Feasibility

Table D.1 below is meant to provide a simple means of assessing which DMAs on your site support Infiltration BMPs and is discussed in the WQMP Guidance Document in Chapter 2.4.5. Check the appropriate box for each question and then list affected DMAs as applicable. If additional space is needed, add a row below the corresponding answer.

Table D.1 Infiltration Feasibility

Does the project site…	YES	NO
…have any DMAs with a seasonal high groundwater mark shallower than 10 feet?		x
If Yes, list affected DMAs:		
…have any DMAs located within 100 feet of a water supply well?		x
If Yes, list affected DMAs:		
…have any areas identified by the geotechnical report as posing a public safety risk where infiltration of stormwater could have a negative impact?		x
If Yes, list affected DMAs:		
…have measured in-situ infiltration rates of less than 1.6 inches / hour?	x	
If Yes, list affected DMAs: • Granite bedrock was encountered at this test location and infiltration is not considered feasible		
…have significant cut and/or fill conditions that would preclude in-situ testing of infiltration rates at the final infiltration surface?		x
If Yes, list affected DMAs:		
…geotechnical report identify other site-specific factors that would preclude effective and safe infiltration?	x	
Describe here: Geologic conditions in this area are variable with granite bedrock present at relatively shallow depths. Infiltration rates of 0 in./hr should be assumed for areas expected to be underlain by shallow bedrock.		

If you answered "Yes" to any of the questions above for any DMA, Infiltration BMPs should not be used for those DMAs and you should proceed to the assessment for Harvest and Use below.

D.2 Harvest and Use Assessment

Please check what applies*:*

☐ Reclaimed water will be used for the non-potable water demands for the project.

☐Downstream water rights may be impacted by Harvest and Use as approved by the Regional Board (verify with the Copermittee).

☐ The Design Capture Volume will be addressed using Infiltration Only BMPs. In such a case, Harvest and Use BMPs are still encouraged, but it would not be required if the Design Capture Volume will be infiltrated or evapotranspired.

If any of the above boxes have been checked, Harvest and Use BMPs need not be assessed for the site. If neither of the above criteria applies, follow the steps below to assess the feasibility of irrigation use, toilet use and other non-potable uses (e.g., industrial use).

Irrigation Use Feasibility

Complete the following steps to determine the feasibility of harvesting stormwater runoff for Irrigation Use BMPs on your site:

Step 1: Identify the total area of irrigated landscape on the site, and the type of landscaping used.

Total Area of Irrigated Landscape: N/A

Type of Landscaping (Conservation Design or Active Turf): Conservation Design

Step 2: Identify the planned total of all impervious areas on the proposed project from which runoff might be feasibly captured and stored for irrigation use. Depending on the configuration of buildings and other impervious areas on the site, you may consider the site as a whole, or parts of the site, to evaluate reasonable scenarios for capturing and storing runoff and directing the stored runoff to the potential use(s) identified in Step 1 above.

Total Area of Impervious Surfaces: N/A

Step 3: Cross reference the Design Storm depth for the project site (see Exhibit A of the WQMP Guidance Document) with the left column of Table 2-3 in Chapter 2 to determine the minimum area of Effective Irrigated Area per Tributary Impervious Area (EIATIA).

Enter your EIATIA factor: N/A

Step 4: Multiply the unit value obtained from Step 3 by the total of impervious areas from Step 2 to develop the minimum irrigated area that would be required.

Minimum required irrigated area: N/A

Step 5: Determine if harvesting stormwater runoff for irrigation use is feasible for the project by comparing the total area of irrigated landscape (Step 1) to the minimum required irrigated area (Step 4).

Minimum required irrigated area (Step 4)	Available Irrigated Landscape (Step 1)
N/A	N/A

Toilet Use Feasibility

Complete the following steps to determine the feasibility of harvesting stormwater runoff for toilet flushing uses on your site:

Step 1: Identify the projected total number of daily toilet users during the wet season, and account for any periodic shut downs or other lapses in occupancy:

Projected Number of Daily Toilet Users: N/A

Project Type: Residential

Step 2: Identify the planned total of all impervious areas on the proposed project from which runoff might be feasibly captured and stored for toilet use. Depending on the configuration of buildings and other impervious areas on the site, you may consider the site as a whole, or parts of the site, to evaluate reasonable scenarios for capturing and storing runoff and directing the stored runoff to the potential use(s) identified in Step 1 above.

Total Area of Impervious Surfaces: N/A

Step 3: Enter the Design Storm depth for the project site (see Exhibit A) into the left column of Table 2-1 in Chapter 2 to determine the minimum number or toilet users per tributary impervious acre (TUTIA).

Enter your TUTIA factor: N/A

Step 4: Multiply the unit value obtained from Step 3 by the total of impervious areas from Step 2 to develop the minimum number of toilet users that would be required.

Minimum number of toilet users: N/A

Step 5: Determine if harvesting stormwater runoff for toilet flushing use is feasible for the project by comparing the Number of Daily Toilet Users (Step 1) to the minimum required number of toilet users (Step 4).

Minimum required Toilet Users (Step 4)	Projected number of toilet users (Step 1)
N/A	N/A

Other Non-Potable Use Feasibility

Are there other non-potable uses for stormwater runoff on the site (e.g. industrial use)? See Chapter 2 of the Guidance for further information. If yes, describe below. If no, write N/A.

Step 1: Identify the projected average daily non-potable demand, in gallons per day, during the wet season and accounting for any periodic shut downs or other lapses in occupancy or operation.

Average Daily Demand:

Step 2: Identify the planned total of all impervious areas on the proposed project from which runoff might be feasibly captured and stored for the identified non-potable use. Depending on the configuration of buildings and other impervious areas on the site, you may consider the site as a whole, or parts of the site, to evaluate reasonable scenarios for capturing and storing runoff and directing the stored runoff to the potential use(s) identified in Step 1 above.

Total Area of Impervious Surfaces:

Step 3: Enter the Design Storm depth for the project site (see Exhibit A) into the left column of Table 2-3 in Chapter 2 to determine the minimum demand for non-potable uses per tributary impervious acre.

Enter the factor from Table 2-3:

Step 4: Multiply the unit value obtained from Step 4 by the total of impervious areas from Step 3 to develop the minimum number of gallons per day of non-potable use that would be required.

Minimum required use:

Step 5: Determine if harvesting stormwater runoff for other non-potable use is feasible for the project by comparing the Number of Daily Toilet Users (Step 1) to the minimum required number of toilet users (Step 4).

Minimum required non-potable use (Step 4)	**Projected average daily use (Step 1)**

If Irrigation, Toilet and Other Use feasibility anticipated demands are less than the applicable minimum values, Harvest and Use BMPs are not required and you should proceed to utilize LID Bioretention and Biotreatment, unless a site-specific analysis has been completed that demonstrates technical infeasibility as noted in D.3 below.

D.3 Bioretention and Biotreatment Assessment

Other LID Bioretention and Biotreatment BMPs as described in Chapter 2.4.7 of the WQMP Guidance Document are feasible on nearly all development sites with sufficient advance planning.

Select one of the following:

☑ LID Bioretention/Biotreatment BMPs will be used for some or all DMAs of the project as noted below in Section D.4 (note the requirements of Section 3.4.2 in the WQMP Guidance Document).

☐ A site-specific analysis demonstrating the technical infeasibility of all LID BMPs has been performed and is included in Appendix 5. If you plan to submit an analysis demonstrating the technical infeasibility of LID BMPs, request a pre-submittal meeting with the Copermittee to discuss this option. Proceed to Section E to document your alternative compliance measures.

D.4 Feasibility Assessment Summaries

From the Infiltration, Harvest and Use, Bioretention and Biotreatment Sections above, complete Table D.2 below to summarize which LID BMPs are technically feasible, and which are not, based upon the established hierarchy.

Table D.2 LID Prioritization Summary Matrix

DMA Name/ID	LID BMP Hierarchy				No LID (Alternative Compliance)
	1. Infiltration	2. Harvest and use	3. Bioretention	4. Biotreatment	
DMA A	☐	☐	☒	☐	☐
DMA B	☐	☐	☒	☐	☐
DMA C	☐	☐	☒	☐	☐
DMA D	☐	☐	☒	☐	☐
DMA E	☐	☐	☒	☐	☐
DMA F	☐	☐	☒	☐	☐
DMA G	☐	☐	☒	☐	☐
DMA H	☐	☐	☒	☐	☐
DMA I	☐	☐	☒	☐	☐

For those DMAs where LID BMPs are not feasible, provide a brief narrative below summarizing why they are not feasible, include your technical infeasibility criteria in Appendix 5, and proceed to Section E below to document Alternative Compliance measures for those DMAs. Recall that each proposed DMA must pass through the LID BMP hierarchy before alternative compliance measures may be considered.

D.5 LID BMP Sizing

Each LID BMP must be designed to ensure that the Design Capture Volume will be addressed by the selected BMPs. First**,** calculate the Design Capture Volume for each LID BMP using the V_{BMP} worksheet in Appendix F of the LID BMP Design Handbook. Second**,** design the LID BMP to meet the required V_{BMP} using a method approved by the Copermittee. Utilize the worksheets found in the LID BMP Design Handbook or consult with your Copermittee to assist you in correctly sizing your LID BMPs. Complete Table D.3 below to document the Design Capture Volume and the Proposed Volume for each LID BMP. Provide the completed design procedure sheets for each LID BMP in Appendix 6. You may add additional rows to the table below as needed.

Table D.3 DCV Calculations for LID BMPs

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperviousness Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	***Design Capture Volume per DMA:*** ***DMA A – 16,113 cubic feet*** ***DMA B – 111,238 cubic feet*** ***DMA C – 27,661 cubic feet*** ***DMA D – 16,870 cubic feet*** ***DMA E – 27,313 cubic feet*** ***DMA F – 26,432 cubic feet*** ***DMA G – 34,832 cubic feet*** ***DMA H – 129,614 cubic feet*** ***DMA I – 28,018 cubic feet***		
	[A]		[B]	[C]	[A] x [C]			
DMA A	*2,243,340*	*Mixed Surface Type*	*0.12*	*0.12*	*276,223.9*			
DMA B	*5,837,040*	*Mixed Surface Type*	*0.48*	*0.33*	*1,906,937.2*			
DMA C	*2,056,903*	*Mixed Surface Type*	*0.31*	*0.23*	*474,203.9*			
DMA D	*919,551*	*Mixed Surface Type*	*0.46*	*0.31*	*289,204.6*			
DMA E	*2,240,290*	*Mixed Surface Type*	*0.27*	*0.21*	*468,234.1*			
DMA F	*727,016*	*Mixed Surface Type*	*0.82*	*0.62*	*453,135.8*			
DMA G	*977,050*	*Mixed Surface Type*	*0.81*	*0.61*	*597,132.3*			
DMA H	*3,546,950*	*Mixed Surface Type*	*0.82*	*0.62*	*2,221,968.3*			
DMA I	*883,396*	*Mixed Surface Type*	*0.75*	*0.54*	*480,319*			
						Design Storm Depth (in)	*Design Capture Volume, V_{BMP} (cubic feet)*	*Proposed Volume on Plans (cubic feet)*
						0.70	*418,091*	*419,000*

[B], [C] is obtained as described in Section 2.3.1 of the WQMP Guidance Document

[E] is obtained from Exhibit A in the WQMP Guidance Document

[G] is obtained from a design procedure sheet, such as in LID BMP Design Handbook and placed in Appendix 6

Section E: Alternative Compliance (LID Waiver Program)

LID BMPs are expected to be feasible on virtually all projects. Where LID BMPs have been demonstrated to be infeasible as documented in Section D, other Treatment Control BMPs must be used (subject to LID waiver approval by the Copermittee). Check one of the following Boxes:

☑ LID Principles and LID BMPs have been incorporated into the site design to fully address all Drainage Management Areas. No alternative compliance measures are required for this project and thus this Section is not required to be completed.

- *Or* -

☐ The following Drainage Management Areas are unable to be addressed using LID BMPs. A site-specific analysis demonstrating technical infeasibility of LID BMPs has been approved by the Co-Permittee and included in Appendix 5. Additionally, no downstream regional and/or sub-regional LID BMPs exist or are available for use by the project. The following alternative compliance measures on the following pages are being implemented to ensure that any pollutant loads expected to be discharged by not incorporating LID BMPs, are fully mitigated.

E.1 Identify Pollutants of Concern

Utilizing Table A.1 from Section A above which noted your project's receiving waters and their associated EPA approved 303(d) listed impairments, cross reference this information with that of your selected Priority Development Project Category in Table E.1 below. If the identified General Pollutant Categories are the same as those listed for your receiving waters, then these will be your Pollutants of Concern and the appropriate box or boxes will be checked on the last row. The purpose of this is to document compliance and to help you appropriately plan for mitigating your Pollutants of Concern in lieu of implementing LID BMPs.

Table E.1 Potential Pollutants by Land Use Type

Priority Development Project Categories and/or Project Features (check those that apply)	General Pollutant Categories							
	Bacterial Indicators	Metals	Nutrients	Pesticides	Toxic Organic Compounds	Sediments	Trash & Debris	Oil & Grease
☒ Detached Residential Development	P	N	P	P	N	P	P	P
☒ Attached Residential Development	P	N	P	P	N	P	P	P(2)
☐ Commercial/Industrial Development	P(3)	P	P(1)	P(1)	P(5)	P(1)	P	P
☐ Automotive Repair Shops	N	P	N	N	P(4, 5)	N	P	P
☐ Restaurants (>5,000 ft^2)	P	N	N	N	N	N	P	P
☐ Hillside Development (>5,000 ft^2)	P	N	P	P	N	P	P	P
☐ Parking Lots (>5,000 ft^2)	P(6)	P	P(1)	P(1)	P(4)	P(1)	P	P
☐ Retail Gasoline Outlets	N	P	N	N	P	N	P	P
Project Priority Pollutant(s) of Concern	☒	☐	☐	☐	☐	☐	☐	☐

P = Potential

N = Not Potential

(1) A potential Pollutant if non-native landscaping exists or is proposed onsite; otherwise not expected

(2) A potential Pollutant if the project includes uncovered parking areas; otherwise not expected

(3) A potential Pollutant is land use involving animal waste

(4) Specifically petroleum hydrocarbons

(5) Specifically solvents

(6) Bacterial indicators are routinely detected in pavement runoff

E.2 Stormwater Credits

Projects that cannot implement LID BMPs but nevertheless implement smart growth principles are potentially eligible for Stormwater Credits. Utilize Table 3-8 within the WQMP Guidance Document to identify your Project Category and its associated Water Quality Credit. If not applicable, write N/A.

Table E.2 Water Quality Credits

Qualifying Project Categories	Credit Percentage[2]
N/A	
Total Credit Percentage[1]	

[1]Cannot Exceed 50%

[2]Obtain corresponding data from Table 3-8 in the WQMP Guidance Document

E.3 Sizing Criteria

After you appropriately considered Stormwater Credits for your project, utilize Table E.3 below to appropriately size them to the DCV, or Design Flow Rate, as applicable. Please reference Chapter 3.5.2 of the WQMP Guidance Document for further information.

Table E.3 Treatment Control BMP Sizing

DMA Type/ID	**DMA Area (square feet)**	**Post-Project Surface Type**	**Effective Impervious Fraction, I_f**	**DMA Runoff Factor**	**DMA Area x Runoff Factor**		***Enter BMP Name / Identifier Here***		
	[A]		[B]	[C]	[A] x [C]				
						Design Storm Depth (in)	*Minimum Design Capture Volume or Design Flow Rate (cubic feet or cfs)*	*Total Storm Water Credit % Reduction*	*Proposed Volume or Flow on Plans (cubic feet or cfs)*
	A_T = Σ[A]				Σ= [D]	[E]	$[F] = \frac{[D]x[E]}{[G]}$	[F] X (1-[H])	[I]

[B], [C] is obtained as described in Section 2.3.1 from the WQMP Guidance Document

[E] is obtained from Exhibit A in the WQMP Guidance Document

[G] is for Flow-Based Treatment Control BMPs [G] = 43,560, for Volume-Based Control Treatment BMPs, [G] = 12

[H] is from the Total Credit Percentage as Calculated from Table E.2 above

[I] as obtained from a design procedure sheet from the BMP manufacturer and should be included in Appendix 6

E.4 Treatment Control BMP Selection

Treatment Control BMPs typically provide proprietary treatment mechanisms to treat potential pollutants in runoff, but do not sustain significant biological processes. Treatment Control BMPs must have a removal efficiency of a medium or high effectiveness as quantified below:

- **High**: equal to or greater than 80% removal efficiency
- **Medium**: between 40% and 80% removal efficiency

Such removal efficiency documentation (e.g., studies, reports, etc.) as further discussed in Chapter 3.5.2 of the WQMP Guidance Document, must be included in Appendix 6. In addition, ensure that proposed Treatment Control BMPs are properly identified on the WQMP Site Plan in Appendix 1.

Table E.4 Treatment Control BMP Selection

Selected Treatment Control BMP Name or ID[1]	Priority Pollutant(s) of Concern to Mitigate[2]	Removal Efficiency Percentage[3]

[1] Treatment Control BMPs must not be constructed within Receiving Waters. In addition, a proposed Treatment Control BMP may be listed more than once if they possess more than one qualifying pollutant removal efficiency.
[2] Cross Reference Table E.1 above to populate this column.
[3] As documented in a Co-Permittee Approved Study and provided in Appendix 6.

Section F: Hydromodification

F.1 Hydrologic Conditions of Concern (HCOC) Analysis

Once you have determined that the LID design is adequate to address water quality requirements, you will need to assess if the proposed LID Design may still create a HCOC. Review Chapters 2 and 3 (including Figure 3-7) of the WQMP Guidance Document to determine if your project must mitigate for Hydromodification impacts. If your project meets one of the following criteria which will be indicated by the check boxes below, you do not need to address Hydromodification at this time. However, if the project does not qualify for Exemptions 1, 2 or 3, then additional measures must be added to the design to comply with HCOC criteria. This is discussed in further detail below in Section F.2.

HCOC EXEMPTION 1: The Priority Development Project disturbs less than one acre. The Copermittee has the discretion to require a Project-Specific WQMP to address HCOCs on projects less than one acre on a case by case basis. The disturbed area calculation should include all disturbances associated with larger common plans of development.

Does the project qualify for this HCOC Exemption? ☐ Y ☒ N

If Yes, HCOC criteria do not apply.

HCOC EXEMPTION 2: The volume and time of concentration[1] of storm water runoff for the post-development condition is not significantly different from the pre-development condition for a 2-year return frequency storm (a difference of 5% or less is considered insignificant) using one of the following methods to calculate:

- Riverside County Hydrology Manual
- Technical Release 55 (TR-55): Urban Hydrology for Small Watersheds (NRCS 1986), or derivatives thereof, such as the Santa Barbara Urban Hydrograph Method
- Other methods acceptable to the Co-Permittee

Does the project qualify for this HCOC Exemption? ☒ Y ☐ N

If Yes, report results in Table F.1 below and provide your substantiated hydrologic analysis in Appendix 7.

Table F.1 Hydrologic Conditions of Concern Summary

	2 year – 24 hour		
	Pre-condition	**Post-condition**	**% Difference**
Time of Concentration	See Appendix 7 for HCOC Calcs		
Volume (Cubic Feet)			

[1] Time of concentration is defined as the time after the beginning of the rainfall when all portions of the drainage basin are contributing to flow at the outlet.

HCOC EXEMPTION 3: All downstream conveyance channels to an adequate sump (for example, Prado Dam, Lake Elsinore, Canyon Lake, Santa Ana River, or other lake, reservoir or naturally erosion resistant feature) that will receive runoff from the project are engineered and regularly maintained to ensure design flow capacity; no sensitive stream habitat areas will be adversely affected; or are not identified on the Co-Permittees Hydromodification Sensitivity Maps.

Does the project qualify for this HCOC Exemption? ☐ Y ☐ N

If Yes, HCOC criteria do not apply and note below which adequate sump applies to this HCOC qualifier:

F.2 HCOC Mitigation

If none of the above HCOC Exemption Criteria are applicable, HCOC criteria is considered mitigated if they meet one of the following conditions:

a. Additional LID BMPS are implemented onsite or offsite to mitigate potential erosion or habitat impacts as a result of HCOCs. This can be conducted by an evaluation of site-specific conditions utilizing accepted professional methodologies published by entities such as the California Stormwater Quality Association (CASQA), the Southern California Coastal Water Research Project (SCCRWP), or other Co-Permittee approved methodologies for site-specific HCOC analysis.

b. The project is developed consistent with an approved Watershed Action Plan that addresses HCOC in Receiving Waters.

c. Mimicking the pre-development hydrograph with the post-development hydrograph, for a 2-year return frequency storm. Generally, the hydrologic conditions of concern are not significant, if the post-development hydrograph is no more than 10% greater than pre-development hydrograph. In cases where excess volume cannot be infiltrated or captured and reused, discharge from the site must be limited to a flow rate no greater than 110% of the pre-development 2-year peak flow.

Be sure to include all pertinent documentation used in your analysis of the items a, b or c in Appendix 7.

The project site consists of two natural drainage areas.

a. Westerly Drainage Area Tributary to Sunnyslope Channel

Flows tributary to the Sunnyslope Channel have been broken down into six areas in the existing condition and five areas in the developed condition. Existing areas B, C, D1 and D2 are combined into proposed drainage areas B, C and D and as shown in Existing and Proposed Hydrology maps in section 2 and 3 of this report.

b. Easterly Drainage Tributary to Market Street Storm Drain.

Storm drain infrastructure and a series of detention basins are proposed to mitigate storm flows. Below is a summary of the drainage areas for the project site.

- Drainage areas A to POC #1

Existing drainage area "A" is approximately of 53.70ac in area (offsite and onsite), and generates flows of approximately 169.0cfs. During proposed condition this areas has decreased slightly to 51.5ac and generate flows of approximately 146.9cfs. Peak Outflows from Basin "A" is reduced to 139.8cfs.

- Drainage areas B, C and D to POC #2 & 3

A majority of areas from drainage areas B, C and D are developed and draining to basins B, C and D while other areas are left to its natural state (Not developed) and its flows are conveyed by proposed dual storm drain system bypassing Detention Basins and as shown in Exhibit D. Proposed Confluence flows at Exit Node 17 (See Proposed hydrology map) is approximately 350.1cfs. Flows will be conveyed by proposed storm drain pipe and will be diverge to two existing points of connections (POC) by 20th Street and neighborhood Tract 31894 and as shown in Exhibit D. Existing Design flows at these two POC are 305cfs and 55.9cfs with existing 54" and 36" Reinforced Concrete Pipes.

- Drainage areas E to POC #4

Existing condition, drainage area "E" is approximately of 93.70ac, and generates flows of approximately 253.2cfs. During proposed condition this areas has increased slightly due to development with an area of approximately 96.4ac and generate flows of approximately 289.8cfs. Existing design flows at this POC#4 location is 247.0cfs with existing 54" RCP (See proposed hydrology map). Proposed Peak Outflows from Basin "E" to POC#4 is approximately 221.9cfs.

- Drainage areas H and Offsite study to POC #5

Storm flows from drainage area H, goes through numbers of detention basins (F,G,H,I & J) before connecting to Existing 84" RCP Line B storm drain system at Intersection of Avalon Street and 20TH Street (Node 510).

Preliminary offsite drainage study is also included that shows flows of approximately 1028.4 cfs at Node 510, and as shown in Exhibit F.

With the upstream proposed detention basins, flows are reduced to existing design flows of 604cfs at point of connection Node 510.

Detention Basin Analysis

Detention basins for the proposed site are a key component in storm water mitigation and site BMPs, with three components. The first component is sizing the detention basin such that erosive flows of the pre-existing 2-year 24 hours storm are not exceeded by more than ten percent.

The second component is that the storm is able to pass the 1-hour, 3-hour, 6-hour and 24-hour storm event hydrographs for the 2-year & 10-year storm events.

The final basin criteria is safely passing the 100-year storm event without damage to the basin or storm drain facilities. Flows for all storm events, and mitigated flows are summarized in the unit hydrograph tables.

Note in the table below, only Drainage area "A" shows comparisons of existing and proposed studies, while other drainage areas are based on downstream existing design flow condition (Q100 Allowed), hence results are based on proposed studies.

To meet County's Hydromodification criteria, existing and proposed condition unit hydrographs were compare for 2-year 24hr storm, and outflows from all Detention Basins "A" to "I" was limited to 110 percent of the pre-development condition flows.

UNIT HYDROGRAPH AND BASIN ROUTING FLOW TABULATIONS FOR 2-YR, 24-HOUR STORM EVENT

DRAINAGE AREA	OUTLET NODE	LAND USE	AREA(AC)	UNIT HYDROGRAPH PEAK FLOW RATE (CFS) 2-YR STORM(HMD)
			EXIST	24 HOUR
BASIN A	111	EXISTING CONDITION	53.7	1.97
		ROUTING OUTFLOW		**2.10**
BASIN B	14	EXISTING CONDITION	134	4.82
		ROUTING OUTFLOW		**5.25**
BASIN C	47	EXISTING CONDITION	47.22	2.95
		ROUTING OUTFLOW		**3.13**
BASIN D	203	EXISTING CONDITION	21.11	0.77
		ROUTING OUTFLOW		**0.81**
BASIN E	67	EXISTING CONDITION	71.82	4.91
		ROUTING OUTFLOW		**2.78**

DRAINAGE AREA	OUTLET NODE	LAND USE	AREA(AC)	UNIT HYDROGRAPH PEAK FLOW RATE (CFS) 2-YR STORM
			EXIST	24 HOUR
BASIN F	504.2	EXISTING CONDITION	16.69	0.88
		ROUTING OUTFLOW		**0.95**
BASIN G	504.6	EXISTING CONDITION	22.43	0.95
		ROUTING OUTFLOW		**0.78**
BASIN H	506.4	EXISTING CONDITION	81.84	2.90
		ROUTING OUTFLOW		**3.00**
BASIN I	507.43	EXISTING CONDITION	20.28	0.79
		ROUTING OUTFLOW		**0.80**
BASIN J	508.1	DETENTION ONLY		

Section G: Source Control BMPs

Source control BMPs include permanent, structural features that may be required in your project plans — such as roofs over and berms around trash and recycling areas — and Operational BMPs, such as regular sweeping and "housekeeping", that must be implemented by the site's occupant or user. The MEP standard typically requires both types of BMPs. In general, Operational BMPs cannot be substituted for a feasible and effective permanent BMP. Using the Pollutant Sources/Source Control Checklist in Appendix 8, review the following procedure to specify Source Control BMPs for your site:

1. ***Identify Pollutant Sources*:** Review Column 1 in the Pollutant Sources/Source Control Checklist. Check off the potential sources of Pollutants that apply to your site.

2. ***Note Locations on Project-Specific WQMP Exhibit*:** Note the corresponding requirements listed in Column 2 of the Pollutant Sources/Source Control Checklist. Show the location of each Pollutant source and each permanent Source Control BMP in your Project-Specific WQMP Exhibit located in Appendix 1.

3. ***Prepare a Table and Narrative*:** Check off the corresponding requirements listed in Column 3 in the Pollutant Sources/Source Control Checklist. In the left column of Table G.1 below, list each potential source of runoff Pollutants on your site (from those that you checked in the Pollutant Sources/Source Control Checklist). In the middle column, list the corresponding permanent, Structural Source Control BMPs (from Columns 2 and 3 of the Pollutant Sources/Source Control Checklist) used to prevent Pollutants from entering runoff. **Add additional narrative** in this column that explains any special features, materials or methods of construction that will be used to implement these permanent, Structural Source Control BMPs.

4. ***Identify Operational Source Control BMPs:*** To complete your table, refer once again to the Pollutant Sources/Source Control Checklist. List in the right column of your table the Operational BMPs that should be implemented as long as the anticipated activities continue at the site. Copermittee stormwater ordinances require that applicable Source Control BMPs be implemented; the same BMPs may also be required as a condition of a use permit or other revocable Discretionary Approval for use of the site.

Table G.1 Permanent and Operational Source Control Measures

Potential Sources of Runoff pollutants	Permanent Structural Source Control BMPs	Operational Source Control BMPs
Onsite storm drain inlets	Mark all inlets with words "Only Rain Down the Storm Drain" or similar. Catch Basin Makers may be available from the Riverside County Flood Control and Water Conservation District, call 951.955.1200 to verify.	Maintain and periodically repaint or replace inlet markings. Provide stormwater pollution prevention information to new site owners, lessees, or operators. See applicable operational BMPs in Fact Sheet SC-44, "Drainage System Maintenance, " in the CASQA Stormwater Quality

		Handbooks at www.cabmphandbooks.com Include the following in lease agreements: "Tenant shall not allow anyone to discharge anything to storm drains or to store or deposit materials so as to create a potential discharge to storm drains."
Need for future indoor & structural pest control	Note building design features that discourage entry of pests.	Provide Integrated Pest Management information to owners, lessees, and operators.
Landscape/Outdoor Pesticide Use	Preserve, existing native trees, shrubs, and ground cover to the maximum extent possible. Design landscaping to minimize irrigation and runoff, to promote surface infiltration where appropriate, and to minimize the use of fertilizers and pesticides that can contribute to storm water pollution. Where landscaping areas are use to retain or detain storm water, specify plants that are tolerant of saturated soil conditions. Consider using pest-resistant plants, especially to Hardscape. To insure successful establishment, select plants appropriate to site soils, slopes, climate, sun, wind, rain, land use, air movement, ecological consistency and plant interactions.	Maintain landscaping using minimum or no pesticides. See applicable operation BMPs in "What you should know for….Landscaping and Gardening". Provide IPM information to new owners, lessees and operators.
Pools, spas, ponds, and decorative fountains, and other water features.	If the Co-Permittee requires pools to be plumbed to the sanitary sewer, place a note on the plans and state in the narrative that this connection will be made according to local requirements.	See applicable operational BMPs in "Guidelines for Maintaining Your Swimming Pool, Jacuzzi and Garden Fountain"

Section H: Construction Plan Checklist

Populate Table H.1 below to assist the plan checker in an expeditious review of your project. The first two columns will contain information that was prepared in previous steps, while the last column will be populated with the corresponding plan sheets. This table is to be completed with the submittal of your final Project-Specific WQMP.

Table H.1 Construction Plan Cross-reference

BMP No. or ID	BMP Identifier and Description	Corresponding Plan Sheet(s)

Note that the updated table — or Construction Plan WQMP Checklist — is **only a reference tool** to facilitate an easy comparison of the construction plans to your Project-Specific WQMP. Co-Permittee staff can advise you regarding the process required to propose changes to the approved Project-Specific WQMP.

Section I: Operation, Maintenance and Funding

The Copermittee will periodically verify that Stormwater BMPs on your site are maintained and continue to operate as designed. To make this possible, your Copermittee will require that you include in Appendix 9 of this Project-Specific WQMP:

1. A means to finance and implement facility maintenance in perpetuity, including replacement cost.
2. Acceptance of responsibility for maintenance from the time the BMPs are constructed until responsibility for operation and maintenance is legally transferred. A warranty covering a period following construction may also be required.
3. An outline of general maintenance requirements for the Stormwater BMPs you have selected.
4. Figures delineating and designating pervious and impervious areas, location, and type of Stormwater BMP, and tables of pervious and impervious areas served by each facility. Geo-locating the BMPs using a coordinate system of latitude and longitude is recommended to help facilitate a future statewide database system.
5. A separate list and location of self-retaining areas or areas addressed by LID Principles that do not require specialized O&M or inspections but will require typical landscape maintenance as noted in Chapter 5, pages 85-86, in the WQMP Guidance. Include a brief description of typical landscape maintenance for these areas.

Your local Co-Permittee will also require that you prepare and submit a detailed Stormwater BMP Operation and Maintenance Plan that sets forth a maintenance schedule for each of the Stormwater BMPs built on your site. An agreement assigning responsibility for maintenance and providing for inspections and certification may also be required.

Details of these requirements and instructions for preparing a Stormwater BMP Operation and Maintenance Plan are in Chapter 5 of the WQMP Guidance Document.

Maintenance Mechanism: Property Owner

Will the proposed BMPs be maintained by a Home Owners' Association (HOA) or Property Owners Association (POA)?

☒ Y ☐ N

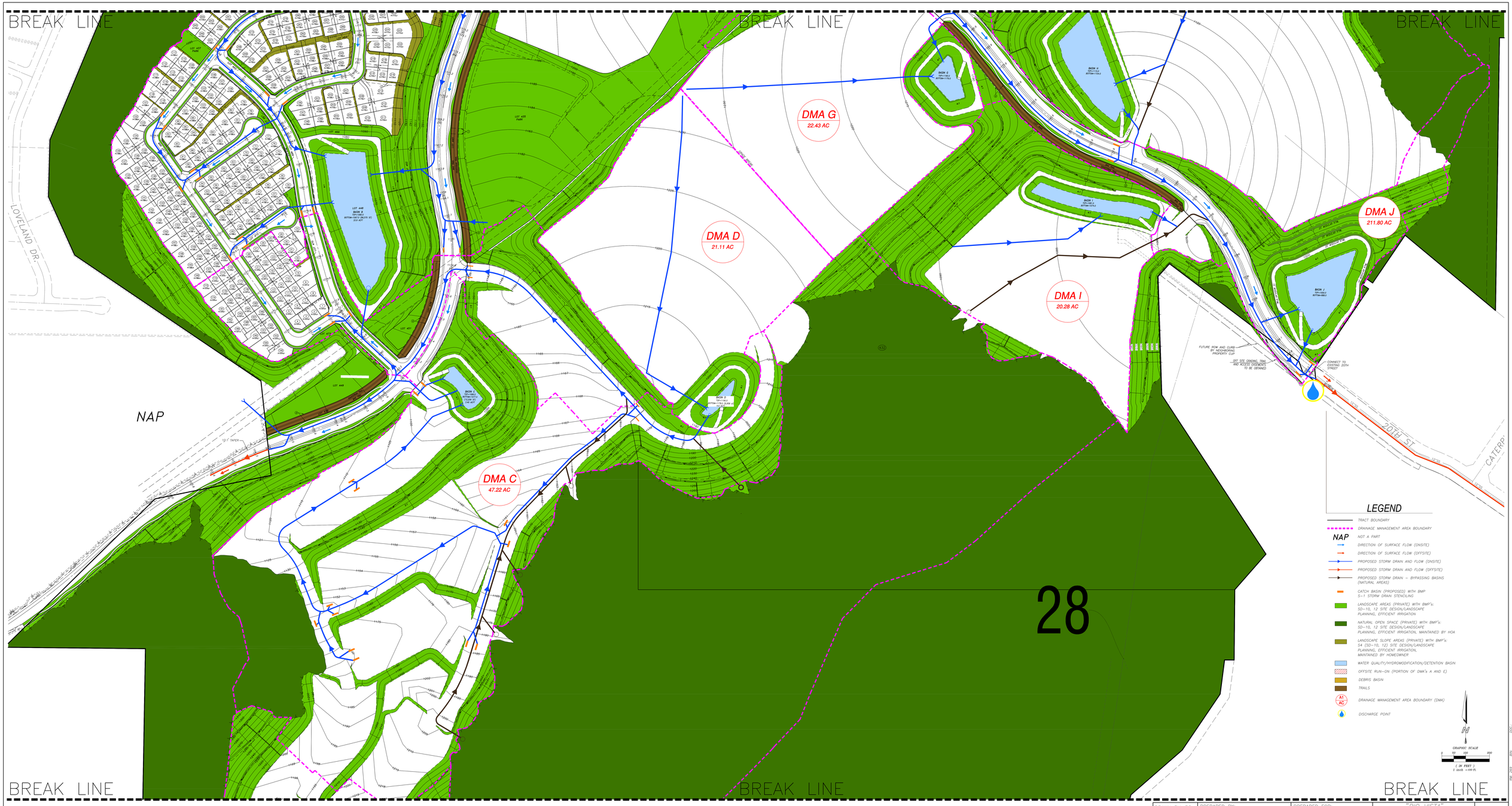
Include your Operation and Maintenance Plan and Maintenance Mechanism in Appendix 9. Additionally, include all pertinent forms of educational materials for those personnel that will be maintaining the proposed BMPs within this Project-Specific WQMP in Appendix 10.

Appendix 1: Maps and Site Plans

Location Map, WQMP Site Plan and Receiving Waters Map

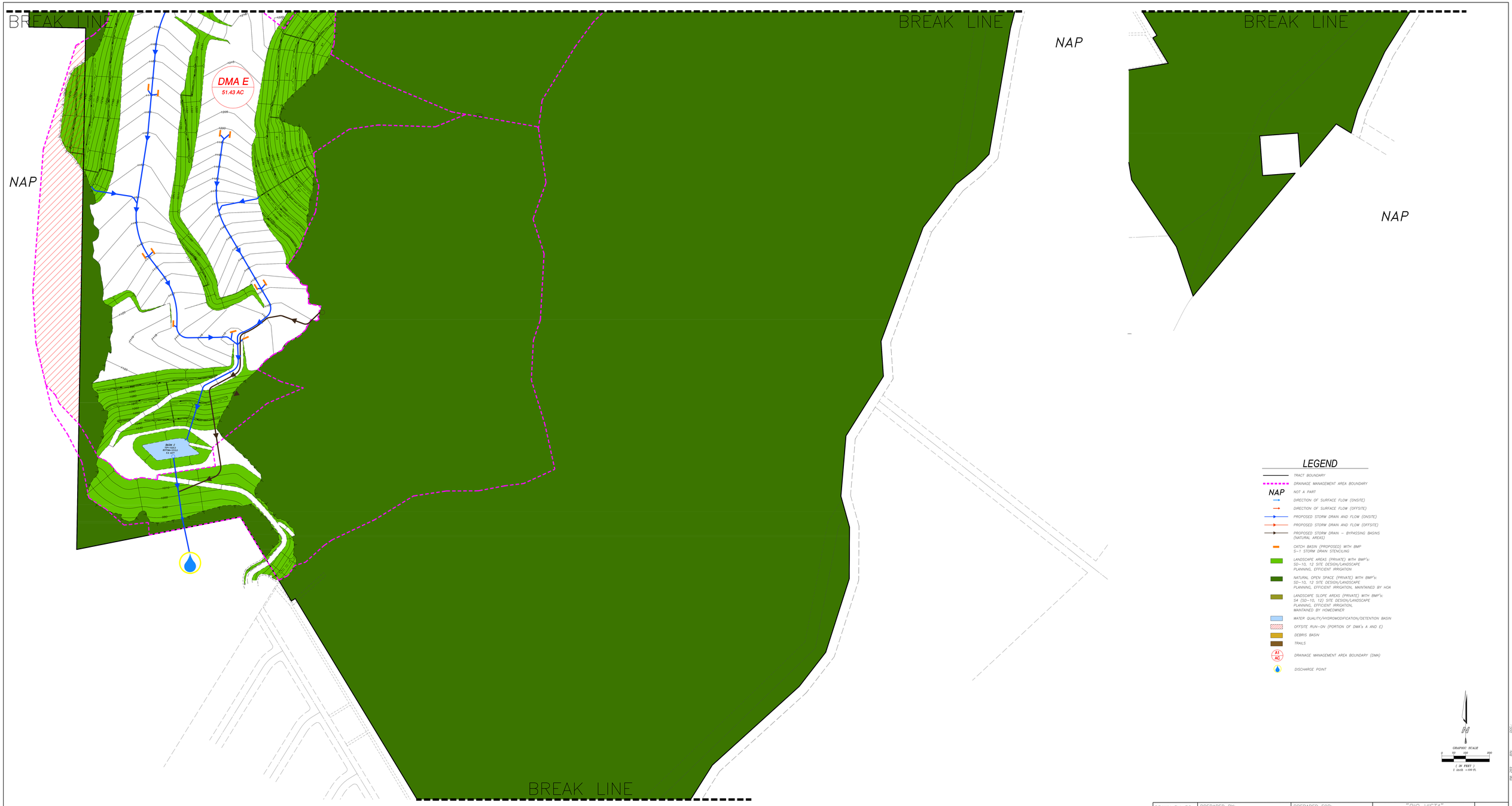
DRAWN BY: RS DATE: 01/24/22 W.O.: 3763-10	PREPARED BY: HUNSAKER & ASSOCIATES IRVINE, INC PLANNING • ENGINEERING • SURVEYING Three Hughes, Irvine, CA 92618 • PH (949) 583-1010 • FX (949) 583-0759	PREPARED FOR: RICHLAND COMMUNITIES 3161 MICHELSON, SUITE 425 IRVINE, CA 92612 Tel (949) 263-5706	RIO VISTA TENTATIVE TRACT MAP NO. 37074 CITY OF JURUPA VALLEY, CA	PRELIMINARY WQMP SITE PLAN 1 OF 3

PLOTTED BY: Rose Smiljanich DATE: Jan. 24, 2022 12:58:56 PM FILE: F:\0749\Planning\ST_WQ\WQMP\Exhibits\WQMP-1-2022.dwg



DRAWN BY: RS DATE: 01/24/22 W.O.: 3763-10	PREPARED BY: HUNSAKER & ASSOCIATES IRVINE, INC. PLANNING • ENGINEERING • SURVEYING Three Hughes, Irvine, CA 92618 • PH (949) 583-1010 • FX (949) 583-0759	PREPARED FOR: RICHLAND COMMUNITIES 3161 MICHELSON, SUITE 425 IRVING, CA 92612 Tel (949) 263-2636	RIO VISTA TENTATIVE TRACT MAP NO. 37074 CITY OF JURUPA VALLEY, CA	PRELIMINARY WQMP SITE PLAN 2 OF 3

PLOTTED BY: Rose Smiljanich DATE: Jan. 24, 2022 01:03:24 PM FILE: F:\0749\Planning\SY_WQ\WQMP\Exhibits\WQMP-1-2022.dwg



DRAWN BY: RS	PREPARED BY: HUNSAKER & ASSOCIATES IRVINE, INC. PLANNING • ENGINEERING • SURVEYING	PREPARED FOR: RICHLAND COMMUNITIES 3161 MICHELSON, SUITE 425 IRVINE, CA 92612 Tel (949) 263-5706	"RIO VISTA" TENTATIVE TRACT MAP NO. 37074 CITY OF JURUPA VALLEY, CA
DATE: 01/24/22			
W.O.: 3763-10			

PRELIMINARY WQMP SITE PLAN

3 OF 3

W.O.: 3763-10

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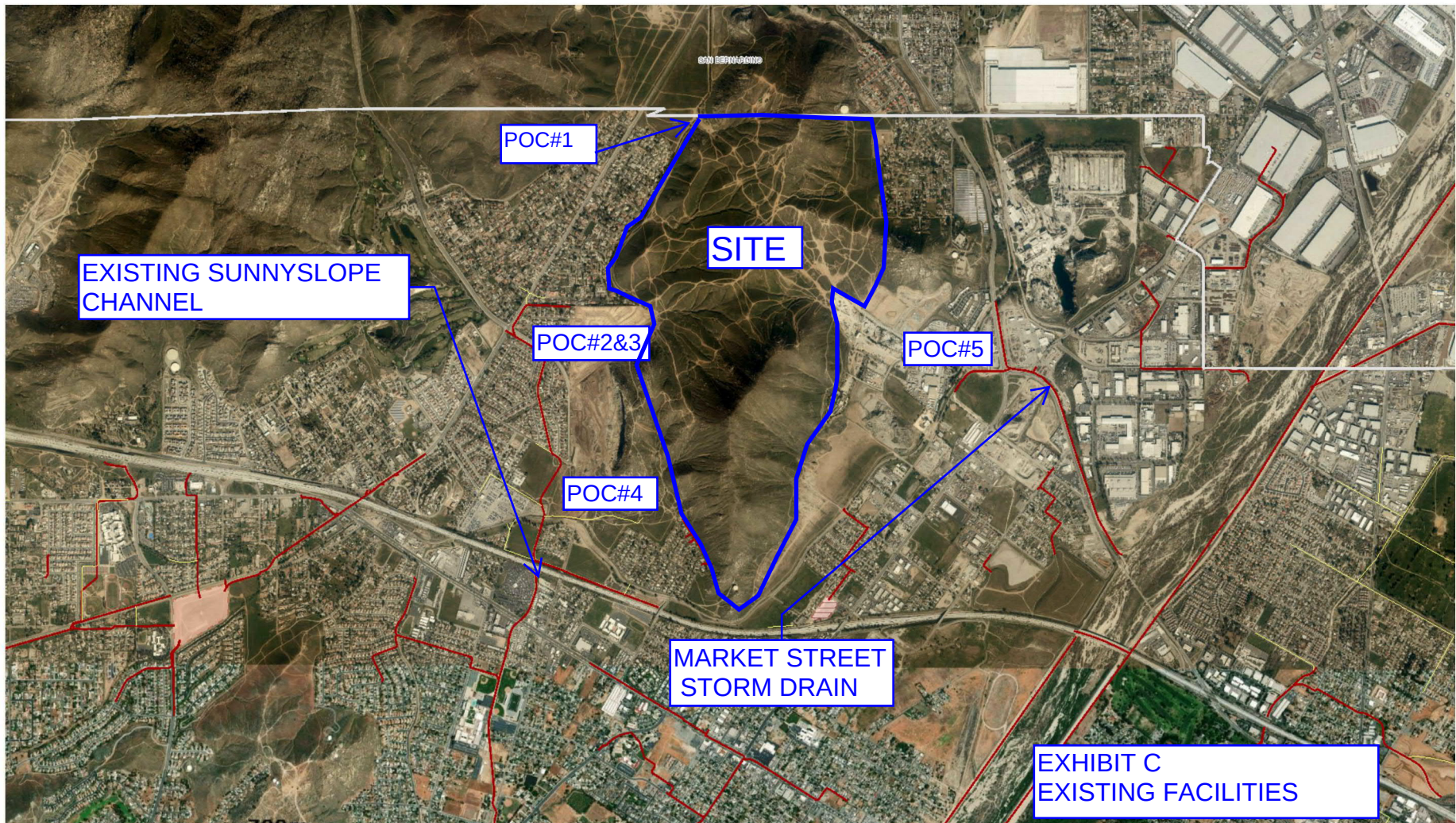
POC#1
SITE
EXISTING SUNNYSLOPE CHANNEL
POC#2&3
POC#5
POC#4
MARKET STREET STORM DRAIN
EXHIBIT C
EXISTING FACILITIES

Appendix 2: Construction Plans

Grading and Drainage Plans

POC#1

TO SUNNYSLOPE STORM CHANNEL
AREA=± 416AC

TO MARKET STREET STORM DRAIN
AREA=± 225.4AC

LEGEND

POC	POINT OF CONNECTION
CFS	CUBIC FEET PER SECOND
RCP	REINFORCED CONCRETE PIPE
ST.	STREET
BLVD	BOULEVARD
EX.	EXISTING

54 RCP EXISTING PIPE
CAPACITY $Q100_{DESIGN}$ =305 CFS
PER PARAMOUNT ESTATES MDP
LATERAL A, A-2, SHEET 7 OF 24

TR31894

POC#2

POC#3

JOIN 36 RCP EXISTING PIPE
CAPACITY $Q100_{DESIGN}$ =55.9 CFS
PER STORM DRAIN IMPROVEMENT
PLAN TRACT 31894 & 37470
SHEET 3B OF 21

20TH ST.

PROPOSED OFFSITE STORM DRAIN

EX.84"RCP LINE B

POC#5

EX.84"RCP LINE B

20TH ST.

PROPOSED STORM DRAIN
TO EXISTING 84"RCP AT INTERSECTION
OF AVALON AND 20TH STREET.
PER BELLTOWN MARKET STREET STORM
DRAIN, LINE B-STAGE 1

EX.72" RCP LINE B1

AVALON ST.

RUBIDOUX BLVD

RUBIDOUX BLVD

SCALE: NTS

POC#4

JOIN 54 RCP EXISTING PIPE
CAPACITY $Q100_{DESIGN}$ =247 CFS
PER STORM DRAIN IMPROVEMENT
PLAN TRACT 31894
SHEET 20 OF 24

TR31894

EXHIBIT A
POC AND TRIBUTARY AREA MAP
FOR TTM 37074
RIO VISTA
CITY OF JURUPA VALLEY, CA

PREPARED FOR/OWNER:

RICHLAND COMMUNITIES

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IRVINE, CA 92612
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PREPARED BY:

HUNSAKER & ASSOCIATES
IRVINE, INC.
PLANNING • ENGINEERING • SURVEYING
Three Hughes • Irvine, CA 92618
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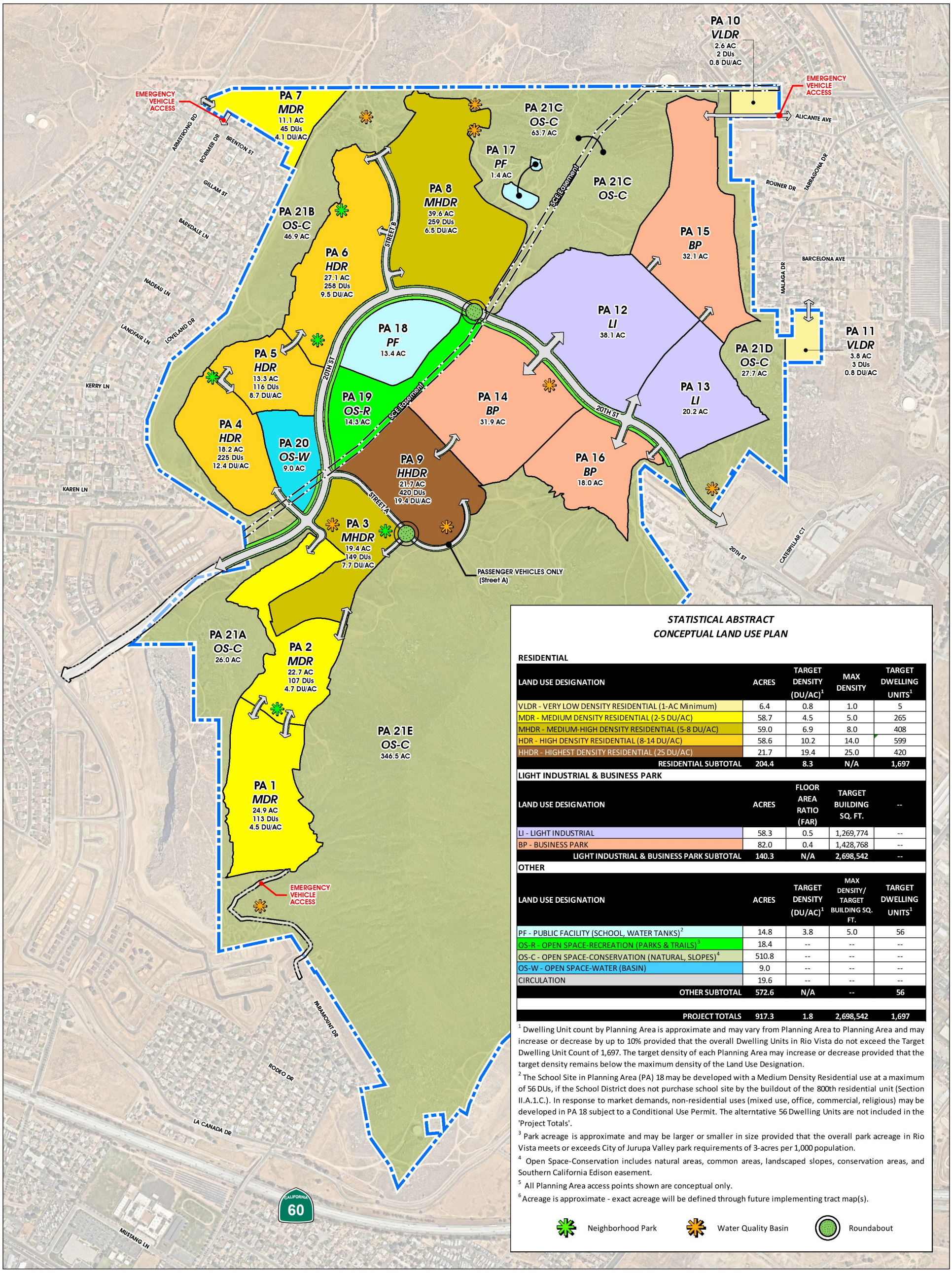
RIOVISTA



STATISTICAL ABSTRACT
CONCEPTUAL LAND USE PLAN

RESIDENTIAL

LAND USE DESIGNATION	ACRES	TARGET DENSITY (DU/AC)[1]	MAX DENSITY	TARGET DWELLING UNITS[1]
VLDR - VERY LOW DENSITY RESIDENTIAL (1-AC Minimum)	6.4	0.8	1.0	5
MDR - MEDIUM DENSITY RESIDENTIAL (2-5 DU/AC)	58.7	4.5	5.0	265
MHDR - MEDIUM-HIGH DENSITY RESIDENTIAL (5-8 DU/AC)	59.0	6.9	8.0	408
HDR - HIGH DENSITY RESIDENTIAL (8-14 DU/AC)	58.6	10.2	14.0	599
HHDR - HIGHEST DENSITY RESIDENTIAL (25 DU/AC)	21.7	19.4	25.0	420
RESIDENTIAL SUBTOTAL	**204.4**	**8.3**	**N/A**	**1,697**

LIGHT INDUSTRIAL & BUSINESS PARK

LAND USE DESIGNATION	ACRES	FLOOR AREA RATIO (FAR)	TARGET BUILDING SQ. FT.	--
LI - LIGHT INDUSTRIAL	58.3	0.5	1,269,774	--
BP - BUSINESS PARK	82.0	0.4	1,428,768	--
LIGHT INDUSTRIAL & BUSINESS PARK SUBTOTAL	**140.3**	**N/A**	**2,698,542**	**--**

OTHER

LAND USE DESIGNATION	ACRES	TARGET DENSITY (DU/AC)[1]	MAX DENSITY / TARGET BUILDING SQ. FT.	TARGET DWELLING UNITS[1]
PF - PUBLIC FACILITY (SCHOOL, WATER TANKS)[2]	14.8	3.8	5.0	56
OS-R - OPEN SPACE-RECREATION (PARKS & TRAILS)[3]	18.4	--	--	--
OS-C - OPEN SPACE-CONSERVATION (NATURAL, SLOPES)[4]	510.8	--	--	--
OS-W - OPEN SPACE-WATER (BASIN)	9.0	--	--	--
CIRCULATION	19.6	--	--	--
OTHER SUBTOTAL	**572.6**	**N/A**	**--**	**56**
PROJECT TOTALS	**917.3**	**1.8**	**2,698,542**	**1,697**

[1] Dwelling Unit count by Planning Area is approximate and may vary from Planning Area to Planning Area and may increase or decrease by up to 10% provided that the overall Dwelling Units in Rio Vista do not exceed the Target Dwelling Unit Count of 1,697. The target density of each Planning Area may increase or decrease provided that the target density remains below the maximum density of the Land Use Designation.

[2] The School Site in Planning Area (PA) 18 may be developed with a Medium Density Residential use at a maximum of 56 DUs, if the School District does not purchase school site by the buildout of the 800th residential unit (Section II.A.1.C.). In response to market demands, non-residential uses (mixed use, office, commercial, religious) may be developed in PA 18 subject to a Conditional Use Permit. The alterntative 56 Dwelling Units are not included in the 'Project Totals'.

[3] Park acreage is approximate and may be larger or smaller in size provided that the overall park acreage in Rio Vista meets or exceeds City of Jurupa Valley park requirements of 3-acres per 1,000 population.

[4] Open Space-Conservation includes natural areas, common areas, landscaped slopes, conservation areas, and Southern California Edison easement.

[5] All Planning Area access points shown are conceptual only.

[6] Acreage is approximate - exact acreage will be defined through future implementing tract map(s).

Neighborhood Park Water Quality Basin Roundabout

Source(s): Nearmap Imagery (2020), RCTLMA (2020)
Composite: Hunsaker and Associates (07-22-2021)

EXHIBIT B

0 225 450 900 Feet

Rio Vista Specific Plan Land Use Plan

SP 16001

Job #: 471-004
Date: August 5, 2021

DRAINAGE AREA A
TO BASIN A
$\Sigma Q_{100\ (EXIST)}$ =169.0cfs
$\Sigma Q_{100\ PRO}$ =146.91cfs
$Q_{PEAK-OUT}$=139.81CFS
AREA=51.48AC
EXIST AREA=53.70 AC

BASIN A

DRAINAGE AREA B
TO BASIN B
ΣQ_{100}=261.7cfs
$Q_{PEAK-OUT}$=99.5CFS
AREA=134.0AC

BASIN B

AREA H TO BASIN G
$\Sigma Q_{100\ PRO}$=72.5cfs
$Q_{PEAK-OUT}$=16.6CFS
AREA=22.4AC

BASIN G

AREA H TO BASIN F
$\Sigma Q_{100\ PRO}$=54.7cfs
$Q_{PEAK-OUT}$=9.9CFS
AREA=16.7AC

BASIN F

AREA H TO BASIN H
$\Sigma Q_{100\ PRO}$=209.1cfs
$Q_{PEAK-OUT}$=60.8CFS
AREA=81.8AC

BASIN H

DRAINAGE AREA C
TO BASIN C
ΣQ_{100} =116.5cfs
$Q_{PEAK-OUT}$=76.9CFS
AREA=47.2AC

BASIN C

BASIN I

FLOWBY BASIN J
$Q_{PEAK-OUT}$=83.7CFS
AREA=211.8AC

BASIN J

54 RCP EXISTING PIPE
CAPACITY $Q100_{DESIGN}$ =305 CFS
PER PARAMOUNT ESTATES MDP
LATERAL A, A-2
SHEET 7 OF 24

TR31894

PROPOSED
STORM DRAIN

BASIN C

BASIN D

AREA H TO BASIN I
$\Sigma Q_{100\ PRO}$ =73.6cfs
$Q_{PEAK-OUT}$=13.5CFS
AREA=20.3AC

20TH ST.

PROPOSED OFFSITE
STORM DRAIN

RUBIDOUX BLVD

JOIN EX.84"RCP
LINE B

EX.84"RCP
LINE B

20TH ST.

AVALON ST.

EX.72" RCP
LINE B1

RUBIDOUX BLVD

JOIN 36 RCP EXISTING PIPE
CAPACITY $Q100_{DESIGN}$ =55.9 CFS
PER STORM DRAIN IMPROVEMENT
PLAN TRACT 31894 & 37470
SHEET 3B OF 21

DRAINAGE AREA D
TO BASIN D
$\Sigma Q_{100\ PRO}$ =56.1cfs
$Q_{PEAK-OUT}$=14.0CFS
AREA=21.1AC

PROPOSED STORM DRAIN
TO EXISTING 84"RCP AT INTERSECTION
OF AVALON AND 20TH STREET.
PER BELLTOWN MARKET STREET STORM DRAIN
LINE B-STAGE 1

DRAINAGE AREA E
TO BASIN E
$\Sigma Q_{100\ PRO}$ =148.8cfs
$Q_{PEAK-OUT}$=80.6CFS
AREA=51.4AC

BASIN E

JOIN 54 RCP EXISTING PIPE
CAPACITY $Q100_{DESIGN}$ =247 CFS
PER STORM DRAIN IMPROVEMENT
PLAN TRACT 31894
SHEET 20 OF 24

TR31894

LEGEND

- MAJOR DRAINAGE BOUNDARY
- PROJECT BOUNDARY
- EXISTING STORM DRAIN
- PROPOED STORM DRAIN
- PROPOED STORM DRAIN- BYPASSING BASINS (NATURAL AREAS)
- SURFACE FLOW
- BASINS
- DEBRIS BASINS

$\Sigma Q_{100\ PRO}$ =261.7cfs — PEAK RATIONAL INFLOW
$Q_{PEAK-OUT}$=99.5CFS — PEAK OUTFLOW
AREA=134.0AC — AREA CONTRIBUTING FLOWS TO BASIN

SCALE: NTS

EXHIBIT E
PROPOSED DRAINAGE FACILITIES
FOR TTM 37074
RIO VISTA
CITY OF JURUPA VALLEY, CA

PREPARED FOR/OWNER:

RICHLAND COMMUNITIES

3161 MICHELSON, SUITE 425
IRVINE, CA 92612
Tel: (949) 261-7016

PREPARED BY:

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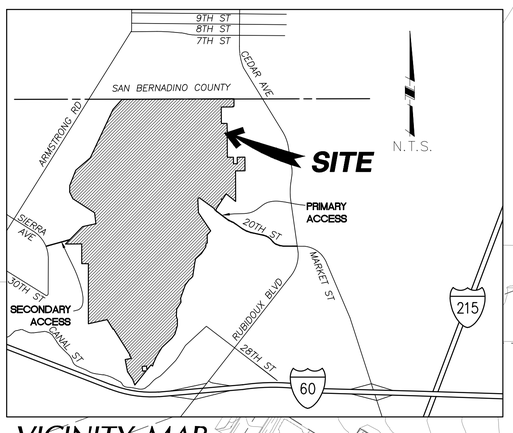

VICINITY MAP

LEGEND

- MAJOR DRAINAGE BOUNDARY
- MINOR DRAINAGE BOUNDARY
- PROJECT BOUNDARY
- 1 — NODE NUMBER
- A / 1.20 — AREA DESIGNATION / AREA ACREAGE
- ΣQ100 =8.0cfs / t=15.0 — PEAK CONFLUENCE FLOW RATE / TIME OF CONCENTRATION
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- B / C — SOIL GROUP

JOIN 54 RCP EXISTING PIPE CAPACITY Q100DESIGN =305 CFS PER PARAMOUNT ESTATES MDP LATERAL A, A-2

TR31894

PROPOSED STORM DRAIN

JOIN 36 RCP EXISTING PIPE CAPACITY Q100DESIGN =55.9 CFS PER STORM DRAIN IMPROVEMENT PLAN TRACT 31894 & 37470

JOIN 54 RCP EXISTING PIPE CAPACITY Q100DESIGN =247 CFS PER STORM DRAIN IMPROVEMENT PLAN TRACT 31894 SHEET 20 OF 24

PROPOSED STORM DRAIN TO EXISTING 84"RCP AT INTERSECTION OF AVALON AND 20TH STREET. PER BELLTOWN MARKET STREET STORM DRAIN LINE B-STAGE 1

PRELIMINARY OFFSITE HYDROLOGY TO INTERSECTION OF AVALON AND 20TH ST., SEE EXHIBIT F

SCALE: 1" = 200'

0 100 200 400

SCALE: 1" = 200'

PREPARED FOR/OWNER:

RICHLAND COMMUNITIES

3161 MICHELSON, SUITE 425
IRVINE, CA 92612
Tel: (949) 261-7016

PREPARED BY:

HUNSAKER & ASSOCIATES
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PLANNING ▪ ENGINEERING ▪ SURVEYING
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FX: (949) 583-0759 ▪ PH: (949) 583-1010

PROPOSED HYDROLOGY MAP FOR TTM 37074 RIO VISTA CITY OF JURUPA VALLEY, CA

PLOTTED BY: Naila Brown DATE: Jan. 20, 2022 03:37:57 PM FILE: F:\0749\Engineering\SY_Hydrology\Exh_Hydrology\Rio Vista Overall Proposed Hydrology Map.dwg

Appendix 3: Soils Information

Geotechnical Study and Other Infiltration Testing Data

DRAFT

REPORT OF PRELIMINARY GEOTECHNICAL INVESTIGATION, PROPOSED RIO VISTA DEVELOPMENT, WEST OF 20TH STREET, SOUTH OF THE RIVERSIDE COUNTY/SAN BERNARDINO COUNTY BOUNDARY, CITY OF JURUPA VALLEY, CALIFORNIA

Prepared For:

RICHLAND COMMUNITIES, INC.

3161 Michelson Drive, Suite 425
Irvine, California 92612

Project No. 10270.002

September 29, 2015

DRAFT

September 29, 2015

Project No. 10270.002

To: Richland Communities, Inc.
3161 Michelson Drive, Suite 425
Irvine, California 92612

Attention: Mr. Craig Cristina

Subject: Report of Preliminary Geotechnical Investigation, Proposed Rio Vista Development, West of 20th Street, South of the Riverside County/San Bernardino County Boundary, City of Jurupa Valley, California

In response to your request and authorization, Leighton and Associates, Inc. (Leighton) has conducted a geotechnical investigation for the proposed mixed use residential development to be located west of the west end of 20th Street and south of the Riverside-San Bernardino County line in the City of Jurupa Valley. The purpose of this study has been to evaluate the general geotechnical conditions at the site with respect to the proposed development and to provide preliminary geotechnical recommendations for design and construction. We also conducted infiltration testing as part of this work.

Based on this investigation, construction of the proposed development is feasible from a geotechnical standpoint. The most significant geotechnical issues at the site are those related to the potential for strong seismic shaking, hard bedrock, potentially compressible soils, and a potential for rock fall. Good planning and design of the project can limit the impact of these constraints. This report presents our preliminary findings, conclusions, and geotechnical recommendations for the project.

We appreciate the opportunity to work with you on the development of this project. If you have any questions regarding this report, please call us at your convenience.

Respectfully submitted,

LEIGHTON AND ASSOCIATES, INC.

Jason D. Hertzberg, GE 2711
Principal Engineer

Philip A. Buchiarelli, CEG 1715
Principal Geologist

BER/JMD/PB/rsm

Distribution: (2) Addressee

DRAFT

10270.002

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Important Information About This Geotechnical-Engineering Report

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Plate 1 - Geotechnical Map - In Pocket

Appendices

Appendix A - References
Appendix B - Geotechnical Boring Logs, Test Pit Logs, and Infiltration Test Results
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Appendix D - Summary of Seismic Hazard Analysis
Appendix E - Seismic Refraction Survey
Appendix F - General Earthwork and Grading Specifications

1.0 INTRODUCTION

1.1 Site Location and Description

The Rio Vista development property is irregularly shaped and consists of approximately 820 acres of undeveloped land within the Jurupa Hills west of the western terminus of 20th Street and south of the Riverside-San Bernardino County line in the City of Jurupa Valley, California. The property is generally bounded on the west by residential development and the Riverside-San Bernardino County line is present on the north. State Route 60 freeway, residential development and undeveloped property is present to the south. A concrete plant, storage yards and industrial buildings are present to the east with undeveloped property to the southeast and residential development to the northeast (see Site Location Map, Figure 1).

The majority of the site is currently vacant and undeveloped. Overhead electrical power transmission lines extend from southwest to northeast through the central portion of the property. Along the northeast boundary of the site, the transmission lines turn to the east. Numerous unimproved dirt roads and trails cross the site. Primary access to the site is gained from the western terminus of 20th Street. However, site access can also be attained through the vacant field on the northwest side of the property off of Armstrong Road and along the several residential streets in the northeast portion of the site.

The site generally consists of a north- and northwest-trending ridgeline with associated drainages. Topography across the site is moderate to steep, and elevations vary from a high of about 1,720 feet in the hills on the south side of the property, to a low of about 972 feet on the west, north of the old quarry. Natural hillsides above the development typically slope at inclinations in the range of 2:1 to 3:1 (horizontal to vertical) but locally up to roughly 1.4:1 and locally steeper. The western portion of the property generally drains to the west, the eastern portion drains to the east.

Vegetation onsite consists of an assortment of native grasses and brush, with very heavy vegetation in some areas, as well as a few mature trees occurring in some of the stream valley bottoms of the site.

1.2 Proposed Development

Based on the preliminary site plan prepared by Hunsaker & Associates Irvine, Inc., dated April 10, 2015, development of approximately two thirds of the property is planned. The majority of the development is planned for the more gentle sloping areas of the site in the northeast, north, and west. Most of the steeper hillsides of the site are to remain undeveloped. Development is expected to include cut and fill grading to create residential home sites, water detention basins, drainage, utility, landscape, hardscape, street and other associated improvements.

The design includes cut and fill slopes up to about 120 feet in height. The deepest design cut is on the order of 60 feet and the deepest fill approaches 100 feet.

The project design includes single family residential lots, multi-family development, and superpad areas. The project includes an entrance into the site from Sierra Avenue on the west and from 20th Street on the east.

1.3 Previous Work

The area of proposed development was initially studied by Geolabs in 1988. Although we did not have access to their report, test pit logs and test pit locations were provided in reports by Gary S. Rasmussen and Associates (Rasmussen) and John R. Byerly, Inc. (Byerly), prepared for Specific Plan 243. The current project design has been changed from that previously studied (Rasmussen, 2005, 2006 and Byerly, 2006). The initial reports for the development, Rasmussen provided engineering geology consulting services for the project, while Byerly was the geotechnical engineering consultant. Subsequent reports for both engineering geology and geotechnical engineering were prepared by Byerly, and the same certified engineering geologist that had worked for Rasmussen signed the Byerly reports.

Subsequent geologic and geotechnical reports were prepared by Byerly in response to review comments provided by the County of Riverside (see references). It appears that the County ultimately accepted the geologic and geotechnical reports submitted by Byerly for the development and issued condition of approval letters for three groups of geotechnical reports (Geo 1894 for Tract 35418, western portion, Geo 1933 for Tract 35421, southern portion and

Geo 2098 for Tract 35419, eastern portion) in late 2009 and early 2010 (Riverside County, 2009a, 2009b and 2010). All of those geotechnical and geologic reports were prepared for Specific Plan 243.

Of significance, large landslides were geologically mapped across most of the hillside areas of the site in the geologic and geotechnical reports prepared by Rasmussen and Byerly. These large landslides were mapped with very little or no subsurface data, and based on topographic or air photo analysis alone. Considering the granitic terrain and very dense to hard nature of the soils and without significant subsurface data, a conclusion that so many large landslides are present is unusual. After several review comments and responses to county comments, Byerly ultimately presented slope stability analysis that indicated most of these landslides were stable in their current condition. None the less, stabilization of one landslide by construction of a stability buttress was recommended. Further discussion of Byerly's findings with respect to landslides is discussed later in this report.

We have reviewed the Byerly and Rasmussen reports and their field and laboratory data during our study. The locations of their borings and test pits and those of Geolabs are shown on the Geotechnical Map (Plate 1). The logs of the borings and test pits are provided in Appendix B.

Leighton previously conducted field work to estimate rippability of bedrock onsite, and included air percussion drilling, a seismic refraction survey and excavation of test pits with an excavator. That work was not previously presented in a formal geotechnical investigation report. The data collected during that work has been incorporated into this report.

1.4 Purpose of Investigation

The purpose of this study has been to explore the general geotechnical conditions at the site with respect to the proposed development and to provide preliminary geotechnical recommendations for design and construction of the development.

Our geotechnical exploration included air percussion drilling, hollow-stem auger soil borings, backhoe test pits, excavator test pits, laboratory testing, a seismic refraction survey, and geotechnical analysis to evaluate existing conditions and to develop the conclusions and recommendations contained in this report.

1.5 Scope of Investigation

The scope of our study has included the following tasks:

- Background Review: We reviewed available, relevant geotechnical and geologic maps and reports and aerial photographs available from our in-house library. We also reviewed the reports for the site previously prepared by Byerly and Rasmussen (see references).

- Utility Coordination: We contacted Underground Service Alert (USA) prior to excavating borings and test pits so that utility companies could mark utilities onsite. We also coordinated our work with you.

- Field Exploration: Field exploration including drilling of hollow-stem auger borings, excavation of backhoe and excavator test pits, a seismic refraction survey, and air percussion borings.

    - A total of 10 exploratory, hollow-stem-auger borings (LB-1 through LB-10) were drilled, logged, and sampled onsite to evaluate subsurface conditions. The borings were drilled to depths ranging from 15.5 to 51.5 feet below the existing ground surface (bgs) by a subcontracted drill rig operator. The borings were logged by our field representative during drilling. Relatively undisturbed soil samples were obtained at selected intervals within the borings using a California Ring Sampler. Standard Penetration Tests (SPT) were conducted at selected depths and samples were obtained. Representative bulk soil samples were also collected at shallow depths from the borings.

    - A total of 37 backhoe test pits were excavated to observe subsurface conditions to depths ranging from approximately 3 to 17 feet bgs by a subcontracted backhoe operator. The test pits were logged by our field representative during excavation. Representative bulk soil samples were collected from the test pits for laboratory testing.

    - A total of 12 excavator test pits were excavated to observe subsurface conditions and estimate rippability of the bedrock. The test pits were excavated in proposed bedrock cut areas with a Caterpiller 345 excavator equipped with rock teeth. The depth of excavation ranged from 11 to 17.5

feet. The test pits were logged by our field representative during excavation.

- Acting as our subconsultant, Terra Geoscience conducted a seismic refraction survey on the property in areas of significant planned cuts into granitic bedrock. The purpose of their work was to estimate the shear wave velocity of underlying bedrock materials as an estimate of rock hardness and to estimate the need for heavy ripping and/or blasting of rock to achieve design grades.

- A total of 18 air percussion borings were drilled onsite to evaluate rippability of the bedrock. The borings were drilled to depths ranging from 25 to 65 feet bgs by a subcontracted drill rig operator, ECM. Based on the rate of drilling and conditions noted, ECM estimated the rippability of the bedrock. This is noted on their drill logs.

- Four well permeameter tests were conducted at two proposed basins within the development (LB-1 through LB-4) in general accordance with San Bernardino and Riverside County guidelines to estimate infiltration rates.

- Two simple percolations tests were conducted at 2 locations within the development (TP-1 and TP-4) in general accordance with San Bernardino and Riverside County guidelines to estimate infiltration rates.

All excavations were backfilled with the soil cuttings. Logs of the geotechnical borings and test pits are presented in Appendix B, as are the results of the infiltration testing. A copy of the seismic refraction survey report is provided in Appendix E. Approximate boring, test pit, well permeameter and geophysical survey locations are shown on the accompanying Geotechnical Map (Plate 1). The locations of borings and test pits performed by Byerly (2006) and Geolabs (1988) are also shown on the Geotechnical Map, and their boring and test pit logs are provided in Appendix B.

Surface mapping alone was conducted in the southern portion of the site. Rock outcrops and steep terrain made exploration of that area difficult.

- Geotechnical Laboratory Testing: Geotechnical laboratory tests were conducted on selected relatively undisturbed and bulk soil samples obtained during our field investigation. This laboratory testing program was designed to evaluate engineering characteristics of site soils. Laboratory tests conducted during this investigation include:

  - In situ moisture content and dry density
  - Maximum dry density and optimum moisture content
  - Swell and collapse potential
  - Water-soluble sulfate concentration
  - Resistivity, chloride content and pH

  The in situ moisture content and dry density test results are shown on the boring logs in Appendix B. The other laboratory test results are presented in Appendix C, including laboratory test results from Byerly (2006).

- Engineering Analysis: Data obtained from our background review, field exploration and geotechnical laboratory testing was evaluated and analyzed to develop geotechnical conclusions and provide preliminary recommendations presented in this report.

- Report Preparation: Results of our preliminary geotechnical investigation have been summarized in this report, presenting our findings, conclusions and preliminary geotechnical recommendations for design and construction of the proposed residential development.

2.0 FINDINGS

2.1 Regional Geologic Conditions

The site is located in the northern Peninsular Ranges Geomorphic Province of southern California along the western margin of the San Bernardino Valley. This is a geologically complex area where the relatively northwest-moving Peninsular Range Province meets the relatively southeast-moving Transverse Ranges Province. Strike-slip faults, such as the San Jacinto Fault Zone, dominate the structure of the Peninsular Ranges. The active San Andreas Fault Zone, located approximately 22 kilometers northeast of the site, separates the valley from the rugged San Bernardino Mountains. The active San Jacinto Fault Zone is present about 10 kilometers to the northeast, and the active Cucamonga fault is located about 18 kilometers to the northwest. The San Andreas, San Jacinto, and Cucamonga faults have experienced significant activity in the recent geologic past.

Based on available regional geologic maps, the site and surroundings are underlain by granitic bedrock of the Upper Cretaceous age and locally by metamorphic schist of Paleozic age (USGS, 2006), see Figure 2. The bedrock units are mantled by older and younger alluvium.

2.2 Subsurface Soil Conditions

Based upon our review of pertinent geotechnical literature and our subsurface investigation, the site is underlain by surficial units and bedrock. Mapped surficial units include artificial fill, young alluvium and older alluvium.

Artificial Fill (map symbol Afu) was encountered in tests pits excavated in the northwestern and northeastern valley portions of the site. Uncontrolled artificial fill consisting of silty sand was encountered to depths ranging from 1 to 4 feet in Test Pits TP-1, TP-3, TP-15 and TP-19 as labeled on Plate 1. The fill was generally dry and loose and contained plastic bags, metal scraps, cloth, and other debris. Uncontrolled fill and debris were also reported in test pit logs by Geolab (GTP-15 and 16). Ten feet of fill/trash was report in GTP-15. Uncontrolled fill may be present in other areas of the site, particularly where dirt roads cross drainage areas.

Young or recent alluvium (map symbol Qal) is present in active stream channels in several areas of the site. Young alluvium was generally described as silty sand and sand that was dry and loose. Young alluvium was usually less than about 4 feet in thickness; however, 12 feet of loose alluvial soil was encountered in TP-17.

Older Alluvium (map symbol Qalo) mantles much of the lower elevations of the site and was generally observed as light brown to reddish brown, silt and sandy silt. The older alluvium encountered was dry to slightly moist, and dense to very dense. As observed in our borings and test pits, the older alluvium varied from a few feet in thickness to more than 50 feet thick (Boring LB-7 in the northeast).

The Peninsular Ranges Batholith Tonalite (map symbol Kt) underlies the ridges and elevated knolls of the site and is present at relatively shallow depth below the alluvial soil across much of the site. This granitic bedrock consists of tonalite, and heterogeneous tonalite, typically light brown to gray, and medium- to very coarse-grained. As encountered in our borings and test pits, the bedrock was weathered at the surface becoming very hard at shallow depths.

Exposures of metamorphic schist (Paleozoic Biotite Schist) mixed with tonalite were observed locally on the surface and in some of the excavator test pits (EP-5 and EP-6). These areas are mapped on the Geotechnical Map as KtPz.

The bedrock units have numerous fractures and joints that are typically moderately angled. Regional mapping suggest a moderately steep, east-dipping, joint pattern is present. Outcrops of granitic bedrock are present across the elevated portions of the site. In some areas, the rock has weathered to create spheroidal boulders resting on steep slopes. Evidence of rock fall is present at the base of some slopes, and buried boulders and cobbles may be present within the alluvial soil near the foot of slopes.

2.2.1 Compressible and Collapsible Soils

Soil compressibility refers to a soil's potential for settlement when subjected to increased loads as from a fill surcharge. Based on our investigation, the older alluvial soil is generally considered slightly compressible. Undocumented artificial fill and young alluvial soil is expected to be moderately compressible. Complete removal of undocumented fill and partial removal of alluvial soil is recommended later

in this report to reduce the potential for adverse total and differential settlement of the proposed improvements. The bedrock onsite is not considered compressible.

Collapse potential refers to the potential settlement of a soil under existing stresses upon being wetted. Test results indicate that the alluvial soil within the upper 5 feet onsite has a negligible to moderate collapse potential.

2.2.2 Expansive Soils

Expansive soils contain significant amounts of clay particles that swell considerably when wetted and shrink when dried. Foundations constructed on these soils are subjected to large uplifting forces caused by the swelling. Without proper measures taken, heaving and cracking of both building foundations and slabs-on-grade could result.

The near surface soils consist of primarily of sandy silts and silty sands. Testing conducted by Byerly yielded expansion index of 0. Based on this result and the nature of the soils observed, the near-surface soil is expected to have a low to very low expansion potential.

2.2.3 Sulfate Content

Water-soluble sulfates in soil can react adversely with concrete. However, concrete in contact with soil containing sulfate concentrations of less than 0.1 percent by weight is considered to have negligible sulfate exposure based on the American Concrete Institute (ACI) provisions, adopted by the 2013 CBC (CBC, 2013, Chapter 19, and ACI, 2005, Chapter 4).

Two near-surface soil samples were tested during this investigation for soluble sulfate content. The results of these tests indicate a sulfate content of approximately 0.01 percent by weight, indicating negligible sulfate exposure.

2.2.4 Resistivity, Chloride and pH

Soil corrosivity to ferrous metals can be estimated by the soil's electrical resistivity, chloride content and pH. In general, soil having a minimum

resistivity less than 1,000 ohm-cm is considered severely corrosive. Soil with a chloride content of 500 parts-per-million (ppm) or more is considered corrosive to ferrous metals.

As a screening for potentially corrosive soil, representative soil samples were tested during this investigation to determine minimum resistivity, chloride content, and pH. The tests indicated a minimum resistivity of 4080 to 5790 ohm-cm, chloride content of 21 to 63 ppm, and pH of 7.5 to 7.8. Based on the tests, the onsite soil is considered mildly corrosive to ferrous metals.

2.3 Rippability and Oversized Rock

The granitic bedrock onsite is hard as evidenced by outcrops of rock on the surface and exposures in excavations present around the site. To estimate the density of the rock and the difficulty of excavation, Terra Geoscience conducted a seismic refraction survey onsite. Ten seismic lines were placed in design cut areas underlain by granitic bedrock. The report of their survey is provided in Appendix E. In addition, 18 air percussion drill holes were excavated by ECM, and the rate of advancement was used to estimate rippability. Logs of these borings are included in Appendix B. We also excavated 12 test pits with an excavator to qualitatively observe its progress of excavation. These excavations were also observed by a representative of Sukut construction, who commented on the rippability of the material. The logs of the excavator test pits are provided in Appendix B.

In general, based on the areas tested, the upper portion of the bedrock appears to be rippable to depths on the order of 15 to 20 feet and perhaps as deep as 30 feet. In general, we were able to excavate test pits with the excavator to depths of at least 13 feet and up to 17 feet, and the limitation on depth was typically the reach of the excavator rather than refusal (although the excavation was difficult). Since excavation was completed in a trench condition to depths of 13 to 17 feet with the excavator, we anticipate that the bedrock will generally be rippable in an open excavation with a larger dozer and a single shank ripper to these depths. The air percussion test results and the seismic refraction survey also suggested that the bedrock may be rippable to depths of 20 to 25 feet. However, very hard bedrock with high seismic velocities was encountered along all seismic lines at depths as shallow as 5 to 10 feet (Line S-3 & S-4). Blasting of the bedrock in

cuts deeper than about 20 to 30 feet should be expected. Our preliminary estimates of the depth of rippable material are shown on the Geotechnical Map.

Although data suggest that the bedrock may be rippable to depths on the order of 20 feet, there are many considerations in determining bedrock rippability, including the nature of the rock, the type of equipment used, and the production rate during ripping. Although the rock may be rippable, if rates of progress are very slow, blasting may provide superior results. Likewise, some areas of bedrock may be rippable, but very hard non rippable rock may be adjacent. Due to the variabilities of the bedrock conditions and the equipment being used, it is difficult to accurately predict the depth of rippable material across the site. Areas onsite may also encounter buried core stones or non-rippable rock. Additional discussion of excavation considerations is provided in the seismic refraction survey report in Appendix E.

2.4 Slope Stability and Rockfall Potential

The hard granitic bedrock present in elevated portions of the site is not typically prone to deep-seated slope failures. Geologic maps prepared by Rasmussen and Byerly show numerous large landslides on the property. These were mapped by the geologist based primarily on topographic expression and aerial photograph review, not subsurface data or evidence of displaced units. We observed no evidence of deep-seated landslides during our study. Large, deep seated landslides would be very unusual in this geologic terrain. Based on our observations, the preponderance of evidence is that the landslides mapped by Byerly and Rasmussen are not present.

For example, an ancient landslide was mapped by Rasmussen (2006) in the southwest portion of the site, shown on their Cross-section D-D'. The landslide was reportedly investigated with Trench T-4, and landslide debris and landslide rupture surfaces are shown on the trench log. However, no landslide is shown in the area of Trench T-4 on the geologic map included with the 2006 report, nor is a landslide shown in the area of Trench T-4 on subsequently prepared geologic maps. A review of aerial photographs in the area where Trench T-4 is located shows an unbroken outcrop of granitic bedrock (dike) extending north-south along the ridge and extending across and well beyond the limits of the mapped landslide, indicating no landslide is present in this area.

Trench T-3 (Rasmussen, 2006) was also reportedly excavated in an ancient landslide shown on Cross-section C-C'. Although landslide material and "ruptures surfaces" are shown on the trench log, no landslide is shown on the included geologic map or subsequent maps. These are two of only four subsurface explorations made into landslides mapped by Byerly and Rasmussen.

We conducted reviews of the landslides mapped by Byerly and Rasmussen and found similar evidence suggesting that the landslides are not present as mapped.

Although Byerly mapped the landslides, Byerly concludes that the majority of the landslides are stable and that they are ancient slides that failed in the Pleistocene when the climate was wetter and groundwater was more shallow. Considering the very hard nature of the bedrock and its poor permeability, it is our opinion that the wetter climate in the Pleistocene would have only a minor impact in the gross stability of the granitic slopes onsite.

Based on their analysis, only one landslide required stabilization for the Specific Plan 243 design. This was a landslide mapped adjacent to Trench 4 and on Cross-section D-D'. However, a dike visible in aerial photographs is unbroken and extends across the mapped limits of this landslide, and there is no evidence for offset of the dike by landslide movement.

It is our opinion that the landslides are not present as mapped by Rasmussen and Byerly. Subsurface evidence for their presence is very limited and contradictory (as noted in the discussion of Trenches T-3 and T-4 above), and strong evidence of continuous bedrock extending across the mapped trace of many of the mapped landslides is readily observed in aerial photographs.

The onsite bedrock is very hard and capable of supporting tall steep slopes. A near vertical cut of nearly 300 feet in height is exposed in the quarry offsite to the southwest. This suggests the bedrock onsite is capable of supporting the existing and manufactured slopes in the development.

Cut slopes excavated at 2:1 and up to 120 feet in height are planned for the development. When underlain by granitic bedrock, these slopes are expected to be grossly and surficially stable. Natural slopes surrounding the development are also expected to be grossly stable. Design slopes cut into the older alluvial soils are also expected to be grossly and surficially stable when constructed at 2:1.

However, portions of the natural hillsides adjacent to the development are covered with exposed bedrock outcrops and subrounded to rounded boulders. There is a potential for surficial instability and rockfall in these areas. Areas with a potential for rockfall are noted on the Geotechnical Map (Plate 1). Rock fall can present a hazard to improvements at the base of slopes if not mitigated or considered in the project design.

Many of the natural slopes above the development are covered with loose colluvial soils and topsoils that may be prone to soil slumps and debris flow during or immediately following heavy rainfall. Special consideration of these areas will be required during the design and grading of the site. Protection for downslope structures from debris flow should be provided and may include drainage swales, debris walls and berms.

2.5 Surface Water, Groundwater and Subdrains

Surface water was not observed onsite during our investigation and no groundwater was encountered within any of the borings or test pits excavated onsite. The granitic bedrock onsite is not generally considered water bearing. The historically highest groundwater level in the near vicinity is approximately 120 feet below the existing ground surface (CDWR, 1970).

Based on our review of regional groundwater data (USGS, 2015), a well approximately 1 mile northeast of the site recorded groundwater on the order of 120 feet below the ground surface in 2009. Groundwater is expected to be greater than 100 feet below the ground surface in the lower portions of the site underlain by alluvial soil. Groundwater is not generally expected to be a significant constraint to development of the site.

Following grading, water from irrigation or other sources may accumulate in the subsurface. Subdrains will be required to remove subterranean water from canyon areas and in areas of fill slope.

2.6 Infiltration Testing

Four well permeameter tests at 2 locations (LB-1 through LB-4, two tests at each location) were conducted to preliminarily evaluate infiltration rates where water quality basins are planned.

Well permeameter tests are useful for field measurements of soil infiltration rates, and are suited for testing when the design depth of the basin or chamber is deeper than current existing grades. It should be noted that this is a clean-water, small-scale test, and that correction factors need to be applied. The test consists of excavating a boring to the depth of the test (or deeper if it is partially backfilled with soil and a bentonite plug with a thin soil covering is placed just below the design test elevation). A layer of clean sand is placed in the boring bottom to support a float valve and temporary perforated well casing pipe. In addition, sand is poured around the outside of the well casing within the test zone to prevent the boring from caving/collapsing or eroding when water is added. The float valve, placed inside the casing, adds water stored in barrels at the top of the hole to the boring as water infiltrates into the soil, while maintaining a relatively constant water head in the boring. The infiltration rate as measured during intervals of the test is defined as the incremental flow rate of water infiltrated, divided by the surface area of the infiltration interface. The test was conducted based on the USBR 7300-89 test method.

LB-1 and LB-2 were conducted at the planned basin on the eastern side of the property, just north of 20th Street. The design calls for a cut on the order of 5 to 20 feet to achieve design grade for the basin. Borings drilled in this area encountered older alluvium to a depth of 21.5 feet (LB-1, design cut to basin bottom of 5 feet), and bedrock at 15 feet (LB-2, design cut to basin bottom of 20 feet).

The infiltration rates of small-scale tests LB-1 through LB-11 ranged from approximately 3 to 16 inches per hour (prior to applying correction factors or a factor of safety). Design rates, correction factors, and other infiltration facility recommendations are discussed in Section 3.6. Infiltration test results are provided in Appendix B.

Measured infiltration rates of the small-scale tests at LB-1 at depths of 7.8 to 15 feet bgs were on the order of 1.9 inches per hour. Measured infiltration rates of the small-scale test at LB-2 at depths of 19.2 to 30 feet bgs were on the order of 0.0 inches per hour.

LB-3 and LB-4 were conducted at the planned basin in the northeastern portion of the site. The basin design requires a cut of roughly 0 to 25 feet to achieve design grade for this basin. In this area, bedrock was encountered at a depth of 45 feet bgs. There is an existing natural drainage channel north of this proposed

basin with a bottom elevation lower than the proposed basin bottom. Measured infiltration rates of the small-scale test at LB-3 (design cut to basin bottom of 0 to 5 feet) at depths of 6.2 to 12 feet bgs were on the order of 1.1 inches per hour. Measured infiltration rates of the small-scale test at LB-4 (design cut to basin bottom of 20 to 25 feet) at depths of 20.8 to 30 feet bgs were on the order of 2.4 inches per hour.

Two percolation tests were conducted to estimate infiltration rates at a planned basin on the west side of the project (TP-4) and in possible bioswale area (TP-1) in the northeastern portions of the site. Percolation tests were conducted at depths of approximately 5 to 6.5 feet bgs at these locations.

The percolation test consisted of excavating a 20-inch-deep, 7- to 10-inch-diameter boring in the bottom of the test pit, placing a perforated cylinder in the test hole and backfilling with sand and gravel around the test hole. The boring was then repeatedly filled with water and the drop in water level measured over time. The test results give a percolation rate which is then converted to infiltration rate.

Infiltration rates for these small-scale tests ranged from approximately 5 to 8 inches per hour (no correction factor or factor of safety applied). Infiltration testing within TP-1 showed a result of about 5 inches per hour. Infiltration testing within TP-4 showed a result of about 8 inches per hour. These results are considered a feasible rate for reliance on infiltration in these locations.

Design rates, correction factors, and other infiltration facility recommendations are discussed in Section 3.6. Infiltration test results are provided in Appendix B. The test locations are shown on the Geotechnical Map (Plate 1).

Percolation tests were also planned at several other areas of the site (TP-2, TP-3, TP-5, TP-6, TP-7, TP-9 TP-10 and TP-11). However, granitic bedrock was encountered in the test pits in these areas, and infiltration at these locations is not considered feasible.

2.7 Faulting and Seismicity

Our review of available in-house literature indicates that there are no known active faults traversing the site. The closest known active or potentially active fault is the San Jacinto Fault, located approximately 6 miles northeast of the site.

The principal seismic hazard that could affect the site is ground shaking resulting from an earthquake occurring along several major active or potentially active faults in southern California. The known regional active and potentially active faults that could produce the most significant ground shaking at the site include the San Jacinto-San Bernardino, San Jacinto-San Jacinto Valley, Cucamonga, San Andreas-San Bernardino, San Andreas-Southern, Chino-Central Avenue, San Jose, Cleghorn, Elsinore-Glen Ivy, and Whittier faults.

Based on ASCE 7-10 Equation 11.8-1, the F_{PGA} is 1, the PGA is 0.53g, and the PGA_M is 0.53g. As an added check, PGA and hazard deaggregation were also estimated using the United States Geological Survey's (USGS) interactive Deaggregations utility. The results of this analysis indicate that the predominant modal earthquake has a PGA of 0.77g with magnitude of approximately 7.6 (M_W) at a distance on the order of 12 kilometers for the Maximum Considered Earthquake (2% probability of exceedance in 50 years); results are included in Appendix D. This is not an exhaustive site-specific analysis, yet is useful in evaluating the general seismic potential at the site as an added check.

Based on the above, we have selected a design PGA of 0.53g for seismic analysis of the onsite soils (seismic settlement).

2.8 Secondary Seismic Hazards

In general, secondary seismic hazards for sites in the region could include soil liquefaction, earthquake-induced settlement, lateral displacement, landsliding, and earthquake-induced flooding. The potential for secondary seismic hazards at the site is discussed below.

2.8.1 Liquefaction Potential

Liquefaction is the loss of soil strength or stiffness due to a buildup of pore-water pressure during severe ground shaking. Liquefaction is associated primarily with loose (low density), saturated, fine-to-medium grained, cohesionless soils. As the shaking action of an earthquake progresses, the soil grains are rearranged and the soil densifies within a short period of time. Rapid densification of the soil results in a buildup of pore-water pressure. When the pore-water pressure approaches the total overburden pressure, the soil reduces greatly in strength and temporarily

behaves similarly to a fluid. Effects of liquefaction can include sand boils, settlement, and bearing capacity failures below structural foundations.

The State of California has not prepared liquefaction hazard maps for this area. The County of Riverside has mapped a portion of the site in an area with a moderate liquefaction potential (Riverside County, 2015).

Based on our study the potential for liquefaction across the majority of the site is very low due to the presence of dense soil and bedrock and the absence of shallow groundwater.

2.8.2 Seismically Induced Settlement

During a strong seismic event, seismically induced settlement can occur within loose to moderately dense, dry or saturated granular soil. Settlement caused by ground shaking is often nonuniformly distributed, which can result in differential settlement.

The majority of the site is underlain by granitic bedrock or firm older alluvial soil and seismically induced settlement is expected to be minor (generally less than 1 inch).

Considering our overexcavation/removal recommendations, the potential total settlement resulting from seismic loading is considered low (less than 1 inch) for this site. Differential settlement resulting from seismic loading is generally assumed to be one-half of the total seismically induced settlement over a distance of 40 feet.

2.8.3 Seismically Induced Slope Failures

Based on our analysis, the greatest risk of seismically induced slope failures is rock fall. Loose rocks on steep slopes can become weakened or dislodged during strong seismic shaking resulting in rock fall to the base of the slope.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Based on this investigation, construction of the proposed development is feasible from a geotechnical standpoint. No severe geologic or soils related issues were identified that would preclude development of the site for the proposed improvements. The most significant geotechnical issues at the site are those related to the potential for strong seismic shaking, potentially compressible soils, rock fall hazards and hard granitic bedrock. Good planning and design of the project can limit the impact of these constraints. Remedial recommendations for these and other geotechnical issues are provided in the following sections.

3.1 General Earthwork and Grading

All grading should be performed in accordance with the General Earthwork and Grading Specifications presented in Appendix F, unless specifically revised or amended below or by future recommendations based on final development plans.

3.1.1 Site Preparation

Prior to construction, the site should be cleared of vegetation, trash and debris, which should be disposed of offsite. Any underground obstructions should be removed as should large tress and their root systems. Resulting cavities should be properly backfilled and compacted. Efforts should be made to locate existing utility lines. Those lines should be removed or rerouted if they interfere with the proposed construction, and the resulting cavities should be properly backfilled and compacted. Trees should be removed.

3.1.2 Removals and Overexcavation

The following overexcavation recommendations are based on preliminary data. These recommendations should be reviewed and revised, as necessary, based on our future review of the project site plans, grading plans, and on field conditions encountered during grading.

All uncontrolled fill, younger alluvium and the upper compressible portion of older alluvium and weathered bedrock should be removed to firm material and replaced as compacted fill. The depth of these removals is

expected to range from 4 to 15 feet in alluvial areas. The actual depth of removals should be determined in the field based on observations during grading.

For proposed building pads and utility trenches in marginally rippable to non-rippable rock areas, it may be desirable to over-excavate at least 2 feet below the bottom of proposed utility trenches and 4 to 5 feet below pad grade to facilitate future trenching operations.

All removal bottoms should be surveyed by the project civil engineer prior to the placement of compacted fill. The data from that survey will be required for analysis of differential settlement under proposed building areas.

After completion of the overexcavation, and prior to fill placement, the exposed surfaces should be scarified to a minimum depth of 6 inches, moisture-conditioned, and recompacted to a minimum 90 percent relative compaction.

3.1.3 Cut/Fill Transitions and Canyon Wall Cleanouts

Building pads located on or near cut/fill transitions or areas with significant variations in fill thickness should be overexcavated to reduce the potential for differential settlement associated with the transition. Overexcavation should extend a minimum of 3 feet below the bottom of footings.

Additional recommendations may be needed based on the conditions encountered during rough grading, based on the actual subsurface conditions encountered.

Removal operations in the canyon areas often result in the creation of steep canyon walls. If canyon cleanouts result in canyon sidewalls that are steeper than 1.5:1 (horizontal to vertical), we recommend that the canyon sidewalls be laid back to an inclination of 1.5:1 or flatter, such that a steeper cut/fill transition is not created. These areas should be evaluated in the field by Leighton, based on the nature of the canyon removals and based on proposed building locations, if known at that time.

3.1.4 Groundwater and Subdrainage

Canyon subdrains should be placed after completion of compressible soil removals in canyon areas of the site. The approximate locations of recommended canyon drains are shown on the geotechnical map. Canyon subdrains should be constructed with Schedule 40 PVC pipe surrounded by 9 cubic feet per lineal foot of Class II permeable filter material. Subdrains placed along the back cut of stability fills may be constructed with 3 cubic feet per lineal foot of Class II permeable filter material with outlet cannons provided every 100 feet laterally. Local areas of particularly abundant groundwater (if encountered) may require subdrainage. All subdrains should be constructed in accordance with the standard specifications presented in Appendix F. The location of all subdrains should be surveyed by the project civil engineer.

3.1.5 Fill Placement

The onsite soils and bedrock are generally suitable for use as compacted structural fill, provided that they are free of oversized material (rock larger than 12 inches in dimension) organic material, and construction debris. Import soil to be placed as fill should be evaluated by Leighton. Fill soils should be placed in accordance with the General Earthwork and Grading Specifications (Appendix F), except as amended herein.

Prior to compaction, all fill soil should be placed in thin, loose lifts roughly 8 inches in thickness. In areas where the fill depth is less than 30 feet, the fill should be moisture-conditioned (moistened or dried), as necessary, to at least optimum moisture content and compacted to a minimum 90 percent relative compaction, as determined by ASTM Test Method D1557. We recommend fill placed at depths greater than 30 feet below design grade be placed using a minimum standard of 95 percent relative compaction and at least optimum moisture content.

Oversize material will be generated from bedrock areas during grading of the site. Placement of oversize material should be conducted as noted in Section 3.1.8.

3.1.6 Shrinkage and Bulking

The change in volume of excavated materials upon recompaction as fill can vary significantly based on soil type and location. This volume change is represented as a percentage increase (bulking) or decrease (shrinkage) in the volume of fill materials after excavation and recompaction. Subsidence occurs as natural ground is moisture conditioned and densified to receive fill. Subsidence also can refer to settlement of the existing ground upon placement of fill.

We assume that the bedrock onsite will not shrink, but estimate it could bulk slightly (roughly 5 percent) when placed as compacted fill. The uncontrolled fill and alluvial soils onsite are expected to shrink on the order of 10 to 15 percent when placed as compacted fill.

These values can vary significantly depending on the level of fill compaction, variations in the dry density of the existing soil, and other factors that influence the amount of volume change. The preliminary estimates of shrinkage presented here are, by necessity, based on very limited data as compared to the thousands of cubic yards of earth to be moved. Adjustments to earthwork volume should be anticipated during grading of the site, and areas should be established where grades can be adjusted to accommodate variations in earthwork shrinkage or swelling.

3.1.7 Import Fill Soil

Import soil to be placed as fill should be geotechnically accepted by Leighton. Preferably at least 3 working days prior to proposed import to the site, the contractor should provide Leighton pertinent information of the proposed import soil, such as location of the soil, whether stockpiled or native in place, and pertinent geotechnical reports if available. We recommend that a Leighton representative visit the proposed import site to observe the soil conditions and obtain representative soil samples. Potential issues may include soil that is more expansive than onsite soil, soil that is too wet, soil that is too rocky or too dissimilar to onsite soils, oversize material, organics, debris, etc.

3.1.8 Rippability and Oversized Material

The granitic bedrock onsite is hard, as evidenced by outcrops of rock on the surface and exposures in excavations present around the site. In general, based on our field work, the upper portion of the bedrock appears to be rippable to depths on the order of 15 to 20 feet and perhaps as deep as 30 feet. However, very hard bedrock with high seismic velocities was encountered at depths a shallow as 5 to 10 feet. Blasting of the bedrock in cuts deeper than about 20 to 30 feet should be expected, and blasting will be required at shallower depths in some areas.

For proposed building pads and utility trenches in marginally rippable to non-rippable rock areas, it may be desirable to over-excavate at least 2 feet below the bottom of proposed utility trenches and 5 feet below pad grade to facilitate future trenching operations.

Based on the results of our field work, we anticipate that considerable quantities of rock fragments and oversized rock will be generated during rough grading. Therefore, rock disposal during grading of the site will be needed. Disposing of rock and rock fragments can be performed in the following manner based on the size of the material:

Rock and Rock Fragments 12 Inches in Dimension or Less

Soil should be placed as a fill cap in areas to receive fill. Within this fill cap, rock and rock fragments 12 inches or less in largest dimension may be combined with finer material. These materials should be placed, as a minimum, in the upper 5 feet below finished grade on fill lots and lots overexcavated due to the presence of hard rock or due to cut/fill transitions. The outer 10 feet of slope faces should be constructed with 12-inch minus fill material. In street areas, 12-inch minus fill material should be placed within the entire street right-of-way to the bottom elevation of the lowest utility.

Fill cap material consisting of 12-inch minus rock, rock fragments and finer material should be placed in maximum one-foot-thick lifts, moisture-conditioned, as necessary, to at least optimum moisture content (greater if the soil remains workable) and recompacted to a minimum of 90 percent relative compaction.

Rock and Rock Fragments Greater Than 12 inches and Less Than 36 Inches

We anticipate that a significant quantity of rock and rock fragments greater than 12 inches and less than 36 inches in largest dimension will be generated during rough grading. Rock in this size range should be incorporated into fills with finer material in the form of rock blankets. Rock blankets should have a maximum thickness of 24 to 36 inches. Sufficient quantities of finer material must be incorporated into the rock blankets to prevent nesting and to fill voids.

Rock blankets should be restricted to those areas that are at least one foot below the lowest utility invert within street rights-of-way, 5 feet below finish pad grade on fill lots, and within 10 feet (measured horizontally) from the face of fill slopes.

Rock material should be moisture conditioned in excess of optimum moisture content (within workable limits) and compacted by wheel rolling with scrapers and water trucks, track walking with dozers, and/or with sheepsfoot rollers. Each rock blanket should be completed and its surface compacted prior to beginning another rock blanket, a rock windrow or a 12-inch-minus fill cap.

Rock Greater Than 36 Inches in Dimension

Oversized material greater than 36 inches in largest dimension should be placed in rock windrows. Rocks placed in windrows should be placed such that they are not nested. The void spaces between the rocks should be filled with the more granular material onsite. This material should be flooded into the voids. Horizontal spacing between windrows should be at least an equipment (scraper) width to facilitate working the fine material into the windrows from the sides and top. A minimum of 3 feet of 12-inch-minus fill material should be placed over windrows prior to initiating another windrow. Windrows should be staggered such that no windrows are directly above another on subsequent lifts. Windrows should be placed perpendicular to the face of slopes and should be terminated 15 feet from the face of fill slopes. Windrows should be placed a minimum of 10 feet below finish grade.

Large rocks can also be buried individually within 12-inch-minus fill (below 10 feet or below the minimum cap thickness) or in native ground. This can be accomplished by excavating a dozer trench to a minimum depth of one foot greater than the largest dimension of the rock. The area around and beneath the rock should be filled with the more granular material onsite and flooded in place to fill all voids. Individually buried rock should be spaced no closer than 15 feet from one another and at least 6 feet of compacted fill must be placed over a buried individual rock prior to placing another rock directly over it. Individual rocks can be buried at closer vertical intervals provided they are staggered in accordance with Leighton's field recommendations.

We recommend that, where possible, large rocks be incorporated into nonstructural fills, placed in open (green belt) areas or incorporated into the finished landscape by the landscape architect. A representative of Leighton and Associates should observe the placement of rock fills, individual rocks, and rock windrows. Observation pits should be excavated into the rock fills periodically to observe for evidence of voids and rock nesting.

If sufficiently deep fill areas are not available, size reduction processing or off-site disposal may be required. Other uses of resistant rock may include onsite riprap or crushing/processing for aggregate base materials.

3.2 Shallow Foundation Recommendations

Overexcavation and recompaction of the footing subgrade soil should be performed as detailed in Section 3.1. The following recommendations are based on the onsite soil conditions and soils with a low expansion potential.

3.2.1 Minimum Embedment and Width

Footings should have a minimum embedment in accordance with the California Building Code (CBC), with a minimum width of 24 and 12 inches for isolated and continuous footings, respectively.

3.2.2 Allowable Bearing

An allowable bearing pressure of 1,800 pounds-per-square-foot (psf) may be used for single family residences based on the minimum embedment depth and width above. This allowable bearing value may be increased by 250 psf per foot increase in depth or width to a maximum allowable bearing pressure of 2,500 psf. If higher bearing pressures are required, this should be reviewed on a case-by-case basis. These allowable bearing pressures are for total dead load and sustained live loads. Footing reinforcement should be designed by the structural engineer.

3.2.3 Lateral Load Resistance

Soil resistance available to withstand lateral loads on a shallow foundation is a function of the frictional resistance along the base of the footing and the passive resistance that may develop as the face of the structure tends to move into the soil. The frictional resistance between the base of the foundation and the subgrade soil may be computed using a coefficient of friction of 0.30. The passive resistance may be computed using an allowable equivalent fluid pressure of 240 pounds per cubic foot (pcf), assuming there is constant contact between the footing and undisturbed soil. The coefficient of friction and passive resistance may be combined without further reduction.

3.2.4 Increase in Bearing and Friction - Short Duration Loads

The allowable bearing pressure and coefficient of friction values may be increased by one-third when considering loads of short duration, such as those imposed by wind and seismic forces.

3.3 Recommendations for Slabs-On-Grade

Concrete slabs-on-grade should be designed by the structural engineer in accordance with the current CBC for a soil with a very low expansion potential. Where conventional light floor loading conditions exist, the following minimum recommendations should be used. More stringent requirements may be required by local agencies, the structural engineer, the architect, or the CBC. Laboratory testing should be conducted at finish grade to evaluate the Expansion Index (EI)

of near-surface subgrade soils. Slabs-on-grade should have the following minimum recommended components:

Subgrade Moisture Conditioning: The subgrade soil should be moisture conditioned to at least 2 percent above optimum moisture content to a minimum depth of 18 inches prior to placing steel or concrete.

- Moisture Vapor Retarder: A minimum of a 10-mil vapor retarder should be placed below slabs where moisture-sensitive floor coverings or equipment is planned. Since moisture will otherwise be transmitted up from the soil through the concrete, it is important that an intact vapor retarder be installed. We recommend that the vapor retarder meet the requirements of ASTM E1745 and be installed per ASTM E1643. The structural engineer should specify pertinent concrete design parameters and moisture migration prevention measures, such as vapor retarder selection and whether a sand blotter layer should be placed over the vapor retarder. Gravel or other protruding objects that could puncture the moisture retarder should be removed from the subgrade prior to placing the vapor retarder, or a stronger vapor retarder intended for the specific conditions present can be used.

- Concrete Thickness: Slabs-on-grade should be at least 4 inches thick. Reinforcing steel should be designed by the structural engineer, but as a minimum should be No. 3 rebar placed at 18 inches on center, each direction, mid-depth in the slab.

Minor cracking of the concrete as it cures, due to drying and shrinkage is normal and should be expected. However, cracking is often aggravated by a high water/cement ratio, high concrete temperature at the time of placement, small nominal aggregate size, and rapid moisture loss due to hot, dry, and/or windy weather conditions during placement and curing. Cracking due to temperature and moisture fluctuations can also be expected. Low slump concrete can reduce the potential for shrinkage cracking. Additionally, our experience indicates that reinforcement in slabs and foundations can generally reduce the potential for concrete cracking. The structural engineer should consider these components in slab design and specifications.

Moisture retarders can reduce, but not eliminate moisture vapor rise from the underlying soils up through the slab. Floor covering manufacturers should be consulted for specific recommendations.

Leighton does not practice in the field of moisture vapor transmission evaluation, since this is not specifically a geotechnical issue. Therefore, we recommend that a qualified person, such as the flooring subcontractor and/or structural engineer, be consulted with to evaluate the general and specific moisture vapor transmission paths and any impact on the proposed construction. That person should provide recommendations for mitigation of potential adverse impact of moisture vapor transmission on various components of the structures as deemed appropriate.

3.4 Seismic Design Parameters

Seismic parameters presented in this report should be considered during project design. In order to reduce the effects of ground shaking produced by regional seismic events, seismic design should be performed in accordance with the most recent edition of the California Building Code (CBC). The following data should be considered for the seismic analysis of the subject site:

2013 CBC Categorization/Coefficient	Design Value
Site Longitude (decimal degrees)	-117.4038
Site Latitude (decimal degrees)	34.0282
Site Class Definition (ASCE 7 Table 20.3-1)	D
Mapped Spectral Response Acceleration at 0.2s Period, $\mathbf{S_s}$ (Figure 1613.3.1(1))	1.500 g
Mapped Spectral Response Acceleration at 1s Period, $\mathbf{S_1}$ (Figure 1613.3.1(2))	0.600 g
Short Period Site Coefficient at 0.2s Period, $\mathbf{F_a}$ (Table 1613.3.3(1))	1.0
Long Period Site Coefficient at 1s Period, $\mathbf{F_v}$ (Table 1613.3.3(2)	1.5
Adjusted Spectral Response Acceleration at 0.2s Period, $\mathbf{S_{MS}}$ (Eq. 16-37)	1.500 g
Adjusted Spectral Response Acceleration at 1s Period, $\mathbf{S_{M1}}$ (Eq. 16-38)	0.900 g
Design Spectral Response Acceleration at 0.2s Period, $\mathbf{S_{DS}}$ (Eq. 16-39)	1.000 g
Design Spectral Response Acceleration at 1s Period, $\mathbf{S_{D1}}$ (Eq. 16-40)	0.600 g

3.5 Retaining Walls

We recommend that retaining walls be backfilled with very low expansive soil and constructed with a backdrain in accordance with the recommendations provided on Figure 3 (rear of text). Using expansive soil as retaining wall backfill will result in higher lateral earth pressures exerted on the wall. Based on these recommendations, the following parameters may be used for the design of conventional retaining walls:

Static Equivalent Fluid Weight for Sand Backfill (pcf)		
Condition	Level Backfill	2:1 Sloping Backfill
Active	35	57
At-Rest	55	86
Passive	360 (Maximum of 5,400 psf)	200 (2:1 Sloping Front)

The above values do not contain an appreciable factor of safety unless noted, so the structural engineer should apply the applicable factors of safety and/or load factors during design, as specified by the California Building Code.

Cantilever walls that are designed to yield at least 0.001H, where H is equal to the wall height, may be designed using the active condition. Rigid walls and walls braced at the top should be designed using the at-rest condition.

Passive pressure is used to compute soil resistance to lateral structural movement. In addition, for sliding resistance, a frictional resistance coefficient of 0.3 may be used at the concrete and soil interface. The lateral passive resistance should be taken into account only if it is ensured that the soil providing passive resistance, embedded against the foundation elements, will remain intact with time.

In addition to the above lateral forces due to retained earth, surcharge due to improvements, such as an adjacent structure or traffic loading, should be considered in the design of the retaining wall. Loads applied within a 1:1 projection from the surcharging structure on the stem of the wall should be considered in the design.

A soil unit weight of 120 pcf may be assumed for calculating the actual weight of the soil over the wall footing.

3.6 Infiltration Basin Design

Small–scale infiltration testing was conducted at several locations onsite. Well permeameter tests were conducted at the planned basin in the east central portion of the site north of and adjacent to 20th Street (LB-1 and LB-2) and at the basin in the northeast portion of the site at Alicante Avenue (LB-3 and LB-4).

Simple percolation tests were also conducted at a proposed basin in the western portion of the site (TP-4) and in a slope area in the northeast (TP-1)

Infiltration tests were conducted in LB-1 and LB-2 at the planned basin on the eastern side of the property, just west of 20th Street. Based on the data collected, the northern portion of the basin will be underlain by granitic bedrock with a measured small-scale infiltration rate of approximately 0 inches per hour. The southern portion of the basin will be underlain by older alluvium with a measured small-scale infiltration rate of 1.9 inches per hour. Based on this data, it appears that some infiltration can be anticipated in this basin. However, due to the variable geologic conditions, it is difficult to accurately estimate the infiltration rate. We recommend an unfactored (small-scale) infiltration rate of 1.9 inches per hour be considered for the southern one-quarter of the basin and a rate of 0 in./hr be used for the northern three-quarters unless additional infiltration testing is conducted in the basin.

Infiltration tests were conducted in LB-3 and LB-4 at the planned basin in the northeastern portion of the site off of Alicante Avenue. Based on the data collected, this basin will be underlain by older alluvial soil. Measured small-scale infiltration rates range from 1.1 to 2.4 in./hr. We recommend an unfactored infiltration rate of 1.1 in./hr be used for this basin. There is an existing natural drainage channel north of this proposed basin and it is possible infiltrated water will migrate toward the channel. It may be desirable to deepen the basin or provide other measures to limit the potential for water to flow toward and seep from the channel wall.

For the basin in the western portion of the site (vicinity TP-4) a small-scale infiltration rate of 8 in./hr was measured. However, the geologic conditions in this area are variable with granitic bedrock present at relatively shallow depth. As such, an infiltration rate of 0 in./hr should be assumed for areas expected to underlain by shallow bedrock (approximately 50 percent of the basin)

At location TP-1 at a depth of 5 feet, a small-scale infiltration rate of about 5 in./hr was measured.

We recommend that a correction factor/safety factor be applied to all infiltration rates in conformance with the Riverside County Technical Guidance Document for WQMP, since monitoring of actual facility performance has shown that actual infiltration rates are lower than for small-scale tests. The small-scale infiltration

rate should be divided by a correction factor of at least 3, but the correction/safety factor may be higher based on project-specific aspects. We suggest a higher correction factor be used for the western basin (TP-4) due to the presence of shallow bedrock in the area.

Infiltration tests were also planned at several other areas of the site (TP-2, TP-3, TP-5, TP-6, TP-7, TP-9 TP-10 and TP-11). However, granitic bedrock was encountered in the test pits in these areas, and infiltration at these locations is not considered feasible.

These values are for a clean, unsilted infiltration surface in native, sandy alluvial soil. These values may be reduced over time as silting of the basin occurs. Furthermore, if the basin or chamber bottom is allowed to be compacted by heavy equipment, this value is expected to be significantly reduced. Infiltration of water through soil is highly dependent on such factors as grain size distribution of the soil particles, particle shape, clay content, and density. Small changes in soil conditions, including density, can cause large differences in observed infiltration rates.

Infiltration is not suitable in compacted fill nor in areas underlain by bedrock at shallow depths (10 feet or less)

Further testing will be required depending on the final design of infiltration facilities, particularly if plans for infiltration facilities are materially changed from what is described herein. Additional testing may also be warranted to confirm the depth and location to bedrock in some areas of the planned basins.

We recommend that Leighton evaluate the infiltration facility excavations, to confirm that granular, undisturbed alluvium is exposed in the bottoms and sides. Additional excavation or evaluation may be required if silty or clayey soils are exposed. It is critical to infiltration that the basin or chamber bottom not be allowed to be compacted during construction; rubber-tired equipment and vehicles should not be allowed to operate on the bottom. We recommend that the bottom 3 feet of the basins or chambers be excavated with an excavator or similar.

If fill material is needed to be placed in the basin, such as due to removal of uncontrolled artificial fill, the fill material should be select, free-draining sand, to be observed and approved by Leighton.

It should be noted that during periods of prolonged precipitation, the underlying soils tend to become saturated to greater and greater depths/extents. Therefore, infiltration rates tend to decrease with prolonged infiltration.

It is important to consider the impact that infiltration facilities can play on nearby subterranean structures, such as basement walls, or open excavations. Any such nearby features should be identified and evaluated as to whether infiltrating water can impact these.

Infiltration Contingency:

Estimating infiltration rates, especially based on small-scale testing, is inexact and indefinite, and often involves known and unknown soil complexities, potentially resulting in a condition where actual infiltration rates of the completed facility are significantly less than design rates. In open infiltration basins, this could create nuisance water in the basin. As such, basin enhancements may be needed after completion of the basins if prolonged or frequent standing water is experienced. A potential basin enhancement might be to install an infiltration trench in the basin bottom to capture and infiltrate low flows and to help speed infiltration during/after storms; specific recommendations, such as minimum trench depth, would be developed based on conditions observed.

3.7 Pavement Design

Based on the design procedures outlined in the current Caltrans Highway Design Manual, and using an assumed design R-value of 50, flexible pavement sections may consist of the following for the Traffic Indices indicated. Final pavement design should be based on the Traffic Index determined by the project civil engineer and R-value testing provided near the end of grading.

Asphalt Pavement Section Thickness, Type I Subgrade Soil

Traffic Index	Asphaltic Concrete (AC) Thickness (inches)	Class 2 Aggregate Base Thickness (inches)	Total Pavement Section Thickness (inches)
5 or less	3	4	7
6	3	4.5	7.5
7	4	4.5	8.5

All pavement construction should be performed in accordance with the Standard Specifications for Public Works Construction or Caltrans Specifications. Field observations and periodic testing, as needed during placement of the base course materials, should be undertaken to ensure that the requirements of the standard specifications are fulfilled.

Prior to placement of aggregate base, the subgrade soil should be processed to a minimum depth of 6 inches, moisture-conditioned, as necessary, and recompacted to a minimum of 90 percent relative compaction. Aggregate base should be moisture conditioned, as necessary, and compacted to a minimum of 95 percent relative compaction.

If the pavement is to be constructed prior to construction of the structures, we recommend that the full depth of the pavement section be placed in order to support heavy construction traffic.

3.8 Temporary Excavations

All temporary excavations, including utility trenches, retaining wall excavations and other excavations should be performed in accordance with project plans, specifications and all OSHA requirements.

No surcharge loads should be permitted within a horizontal distance equal to the height of cut or 5 feet, whichever is greater from the top of the slope, unless the cut is shored appropriately. Excavations that extend below an imaginary plane inclined at 45 degrees below the edge of any adjacent existing site foundation should be properly shored to maintain support of the adjacent structures.

Cantilever shoring should be designed based on an active equivalent fluid pressure of 35 pcf. If excavations are braced at the top and at specific design intervals, the active pressure may then be approximated by a rectangular soil pressure distribution with the pressure per foot of width equal to 25H, where H is equal to the depth of the excavation being shored.

During construction, the soil conditions should be regularly evaluated to verify that conditions are as anticipated. The contractor should be responsible for providing the "competent person" required by OSHA, standards to evaluate soil conditions. Close coordination between the competent person and the

geotechnical engineer should be maintained to facilitate construction while providing safe excavations.

3.9 Slope Stability

Numerous manufactured cut and fill slopes are planned as part of the development. Cut slopes are planned to a maximum height of about 150 feet excavated at 2:1 or flatter. These slopes excavated into the existing granitic bedrock or older alluvial soils are expected to be grossly and surficially stable as designed. However, the slopes should be mapped in detail during construction to confirm the geologic conditions. Additional review and analysis of the slope conditions should be conducted as the project proceeds.

The surficial stability of slopes to remain natural is dependent on the thickness of weaker surficial soils and slope gradient. Thick accumulations of surficial soils on steep slopes are susceptible to surficial failures, mudflows and downhill creep during periods of heavy rainfall.

Several areas of the development are located immediately below natural slopes that may experience surficial failures to mitigate the potential damage from debris flows and slumps, we recommend that debris catchment basins be provided where canyons and reentrants descend to the area of the development. In addition, we recommend that debris deflection/impact walls or earthen berms be constructed at the base of natural slopes adjacent to the development. Specific locations for construction of debris protection measures should be established as the project proceeds and more detailed grading plans are developed.

3.10 Rock Fall

Some of the hillsides within the site and adjacent to the development are covered with exposed bedrock outcrops and subrounded to rounded boulders and there is a potential for surficial instability and rockfall in these areas. In some areas, individual rocks or isolated out crops create a localized hazard of rock fall. In other areas, a significant portion of the slope above the development is covered with rock out crops of loose boulders. Areas with significant rock fall hazards are noted on the geotechnical map and include the natural slope north of 20th Street where it enters the site. Granitic boulders at the base of this and other slopes are evidence of past rock fall. Rock fall can present a hazard to improvements at the base of the slope if not mitigated or considered in the project design.

In areas with isolated rock outcrops or loose rocks, it may be possible to remove or break individual rocks and remove the hazard. However in areas with numerous rocks on steep slopes, mitigation for the area should be provided.

To mitigate the potential for rock fall in these areas, the project design should incorporate walls, berms, setback areas, and/or rock fences to separate the development from the rock fall hazard area. Mitigation options for rock fall hazard include:

- Implementation of a 50 to 75-foot setback, from the toe of the natural slope to the future property line of the proposed lots and construction of a conventional block wall or other type of ridged fence that will provide some additional measure of protection from potential rockfall hazard.

- Construction of a debris ditch as shown in Figure 2, drawing 2.1, with an 8-foot-tall, 1-1/2:1 geogrid reinforced manufactured slope. Also construct a 5-foot-tall, top of slope conventional block wall or other type of fence that will provide some additional measure of protection from potential rockfall hazard. The toe of the manufactured slope should be a minimum 15 feet from the toe of the natural slope.

- Construction of a debris ditch as shown in Figure 2, drawing 2.2, with a 5-foot-tall, 2:1 manufactured slope and 5-foot-tall, top of slope impact wall. The wall should be designed using an equivalent fluid pressure of 125 pcf. The toe of the manufactured slope should be a minimum 15 feet from the toe of the natural slope.

- Construction of a debris ditch as shown in Figure 2, drawing 2.3, with a 5-foot-tall retaining wall. The base of the wall should be a minimum 15 feet from the toe of the natural slope.

In general, impact walls and rock fences are generally more intrusive and aesthetically less appealing than a rock encatchment area or building setback. Building setbacks generally require more land and the loss of more space than rock encatchment areas, however, they can likely be used to accommodate open space, drainage, or greenbelt requirements.

The remedial alternative(s) selected for the project should be designed by the project civil engineer in consultation with Leighton and Associates, taking into

consideration the specific rockfall hazards (or perceived hazard) in the area and site drainage characteristics. We assume that an encatchment area would also serve as a drainage course for runoff from the foothills. The actual drainage device should be located nearer to the toe of the natural slope as opposed to adjacent to the rockfall hazard remediation device. The encatchment area can be constructed by elevating the lots adjacent to the hillside or by excavating a wide ditch or trough at the rear of the lots. Alternative designs can also be considered as the project proceeds and depending on the site conditions it may be possible to construct mitigation such as those noted above, but reduced in scale.

Leighton and Associates should be consulted to identify individual rocks within each of the zones that should be removed or blasted as part of the rockfall hazard mitigation.

Prospective homebuyer perception of the rockfall hazard should be considered when designing the rockfall remedial measures.

3.11 Trench Backfill

Utility-type trenches onsite can be backfilled with onsite material, provided it is free of debris, significant organic material and oversized material (greater than 3 inches for trench backfill within 3 feet of a pipe, and 6 inches for trench backfill above). Prior to backfilling the trench, pipes should be bedded and shaded in a granular material that has a sand equivalent of 30 or greater. We recommend that open-graded crushed rock or similar material not be used as bedding material, unless special provisions are implemented to limit the migration of surrounding soil into the open-graded material, including the use of filter fabric around the open-graded material. The bedding material should extend 12 inches above the top of the pipe. The bedding/shading sand should be densified in-place by mechanical means, or in areas where the trench walls and bottom soil have a minimum sand equivalent of 15, the bedding sand may be jetted. Bedding sand should be placed in accordance with the Standard Specifications for Public Works Construction – Greenbook (Public Works Standard, Inc., 2009), current edition. The native soil fill should be placed in loose layers, moisture conditioned, as necessary, and mechanically compacted using a minimum standard of 90 percent relative compaction based on ASTM D 1557. The thickness of layers should be based on the compaction equipment used in accordance with the current Greenbook.

3.12 Surface Drainage

Inadequate control of runoff water and/or poorly controlled irrigation can cause the onsite soils to expand and/or shrink, producing heaving and/or settlement of foundations, flatwork, walls, and other improvements. Maintaining adequate surface drainage, proper disposal of runoff water, and control of irrigation should help reduce the potential for future soil moisture problems.
Positive surface drainage should be designed to be directed away from foundations and toward approved drainage devices, such as gutters, paved drainage swales, or watertight area drains and collector pipes.

Surface drainage should be provided to prevent ponding of water adjacent to the structures. In general, the area around the buildings should slope away from the building. We recommend that unpaved landscaped areas adjacent to the buildings be avoided. Roof runoff should be carried to suitable drainage outlets by watertight drain pipes or over paved areas.

3.13 Sulfate Attack and Corrosion Protection

Based on the results of laboratory testing, concrete structures in contact with the onsite soil will have negligible exposure to water-soluble sulfates in the soil. Type II cement may be used for concrete construction. The concrete should be designed in accordance with Table 4.3.1 of the American Concrete Institute ACI 318-08 provisions (ACI, 2008).

Based on our laboratory testing, the onsite soil is considered corrosive to ferrous metals. Corrosion information presented in this report should be provided to your underground utility subcontractors. Additional testing and evaluation by a corrosion engineer may be warranted if corrosion protection is considered critical to the project.

3.14 Additional Geotechnical Services

The preliminary geotechnical recommendations presented in this report are based on subsurface conditions as interpreted from limited subsurface explorations and limited laboratory testing. Our preliminary geotechnical recommendations provided in this report are based on information available at the time the report was prepared and may change as plans are developed. Additional geotechnical investigation and analysis will be required based as the

project proceeds and grading plans are prepared. Leighton should review the site and grading plans when available and comment further on the geotechnical aspects of the project. Geotechnical observation and testing should be conducted during excavation and all phases of grading operations. Our conclusions and preliminary recommendations should be reviewed and verified by Leighton during construction and revised accordingly if geotechnical conditions encountered vary from our preliminary findings and interpretations. Geotechnical observation and testing should be provided:

- After completion of site clearing.
- During overexcavation of compressible soil.
- During compaction of all fill materials.
- After excavation of all footings and prior to placement of concrete.
- During utility trench backfilling and compaction.
- During pavement subgrade and base preparation.
- When any unusual conditions are encountered.

4.0 LIMITATIONS

This report was based in part on data obtained from a limited number of observations, site visits, soil excavations, samples, and tests. Such information is, by necessity, incomplete. The nature of many sites is such that differing soil or geologic conditions can be present within small distances and under varying climatic conditions. Changes in subsurface conditions can and do occur over time. Therefore, our findings, conclusions, and recommendations presented in this report are based on the assumption that Leighton and Associates, Inc. will conduct additional geotechnical studies and the project proceeds and will provide geotechnical observation and testing during construction.

This report was prepared for the sole use of Richland Communities, Inc. for application to the design of the proposed residential development in accordance with generally accepted geotechnical engineering practices at this time in California.

See the Important Information About This Geotechnical-Engineering Report (from the Geotechnical Business Council) insert on the following page for important information about this geotechnical engineering report.

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Important Information about This

Geotechnical-Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

Geotechnical Services Are Performed for Specific Purposes, Persons, and Projects

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical-engineering study conducted for a civil engineer may not fulfill the needs of a constructor — a construction contractor — or even another civil engineer. Because each geotechnical- engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client. No one except you should rely on this geotechnical-engineering report without first conferring with the geotechnical engineer who prepared it. *And no one — not even you* — should apply this report for any purpose or project except the one originally contemplated.

Read the Full Report

Serious problems have occurred because those relying on a geotechnical-engineering report did not read it all. Do not rely on an executive summary. Do not read selected elements only.

Geotechnical Engineers Base Each Report on a Unique Set of Project-Specific Factors

Geotechnical engineers consider many unique, project-specific factors when establishing the scope of a study. Typical factors include: the client's goals, objectives, and risk-management preferences; the general nature of the structure involved, its size, and configuration; the location of the structure on the site; and other planned or existing site improvements, such as access roads, parking lots, and underground utilities. Unless the geotechnical engineer who conducted the study specifically indicates otherwise, do not rely on a geotechnical-engineering report that was:

- not prepared for you;
- not prepared for your project;
- not prepared for the specific site explored; or
- completed before important project changes were made.

Typical changes that can erode the reliability of an existing geotechnical-engineering report include those that affect:

- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light-industrial plant to a refrigerated warehouse;
- the elevation, configuration, location, orientation, or weight of the proposed structure;
- the composition of the design team; or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project changes—even minor ones—and request an assessment of their impact. *Geotechnical engineers cannot accept responsibility or liability for problems that occur because their reports do not consider developments of which they were not informed.*

Subsurface Conditions Can Change

A geotechnical-engineering report is based on conditions that existed at the time the geotechnical engineer performed the study. *Do not rely on a geotechnical-engineering report whose adequacy may have been affected by*: the passage of time; man-made events, such as construction on or adjacent to the site; or natural events, such as floods, droughts, earthquakes, or groundwater fluctuations. *Contact the geotechnical engineer before applying this report to determine if it is still reliable.* A minor amount of additional testing or analysis could prevent major problems.

Most Geotechnical Findings Are Professional Opinions

Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. Geotechnical engineers review field and laboratory data and then apply their professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ — sometimes significantly — from those indicated in your report. Retaining the geotechnical engineer who developed your report to provide geotechnical-construction observation is the most effective method of managing the risks associated with unanticipated conditions.

A Report's Recommendations Are Not Final

Do not overrely on the confirmation-dependent recommendations included in your report. *Confirmation-dependent recommendations are not final,* because geotechnical engineers develop them principally from judgment and opinion. Geotechnical engineers can finalize their recommendations *only* by observing actual subsurface conditions revealed during construction. *The geotechnical engineer who developed your report cannot assume responsibility or liability for the report's confirmation-dependent recommendations if that engineer does not perform the geotechnical-construction observation required to confirm the recommendations' applicability.*

A Geotechnical-Engineering Report Is Subject to Misinterpretation

Other design-team members' misinterpretation of geotechnical-engineering reports has resulted in costly

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problems. Confront that risk by having your geotechnical engineer confer with appropriate members of the design team after submitting the report. Also retain your geotechnical engineer to review pertinent elements of the design team's plans and specifications. Constructors can also misinterpret a geotechnical-engineering report. Confront that risk by having your geotechnical engineer participate in prebid and preconstruction conferences, and by providing geotechnical construction observation.

Do Not Redraw the Engineer's Logs

Geotechnical engineers prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in a geotechnical-engineering report should *never* be redrawn for inclusion in architectural or other design drawings. Only photographic or electronic reproduction is acceptable, *but recognize that separating logs from the report can elevate risk.*

Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can make constructors liable for unanticipated subsurface conditions by limiting what they provide for bid preparation. To help prevent costly problems, give constructors the complete geotechnical-engineering report, *but* preface it with a clearly written letter of transmittal. In that letter, advise constructors that the report was not prepared for purposes of bid development and that the report's accuracy is limited; encourage them to confer with the geotechnical engineer who prepared the report (a modest fee may be required) and/or to conduct additional study to obtain the specific types of information they need or prefer. A prebid conference can also be valuable. *Be sure constructors have sufficient time* to perform additional study. Only then might you be in a position to give constructors the best information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions.

Read Responsibility Provisions Closely

Some clients, design professionals, and constructors fail to recognize that geotechnical engineering is far less exact than other engineering disciplines. This lack of understanding has created unrealistic expectations that have led to disappointments, claims, and disputes. To help reduce the risk of such outcomes, geotechnical engineers commonly include a variety of explanatory provisions in their reports. Sometimes labeled "limitations," many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help owners recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Environmental Concerns Are Not Covered

The equipment, techniques, and personnel used to perform an *environmental* study differ significantly from those used to perform a *geotechnical* study. For that reason, a geotechnical-engineering report does not usually relate any environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated environmental problems have led to numerous project failures.* If you have not yet obtained your own environmental information, ask your geotechnical consultant for risk-management guidance. *Do not rely on an environmental report prepared for someone else.*

Obtain Professional Assistance To Deal with Mold

Diverse strategies can be applied during building design, construction, operation, and maintenance to prevent significant amounts of mold from growing on indoor surfaces. To be effective, all such strategies should be devised for the *express purpose* of mold prevention, integrated into a comprehensive plan, and executed with diligent oversight by a professional mold-prevention consultant. Because just a small amount of water or moisture can lead to the development of severe mold infestations, many mold- prevention strategies focus on keeping building surfaces dry. While groundwater, water infiltration, and similar issues may have been addressed as part of the geotechnical- engineering study whose findings are conveyed in this report, the geotechnical engineer in charge of this project is not a mold prevention consultant; *none of the services performed in connection with the geotechnical engineer's study were designed or conducted for the purpose of mold prevention. Proper implementation of the recommendations conveyed in this report will not of itself be sufficient to prevent mold from growing in or on the structure involved.*

Rely, on Your GBC-Member Geotechnical Engineer for Additional Assistance

Membership in the Geotechnical Business Council of the Geoprofessional Business Association exposes geotechnical engineers to a wide array of risk-confrontation techniques that can be of genuine benefit for everyone involved with a construction project. Confer with you GBC-Member geotechnical engineer for more information.

GEOTECHNICAL BUSINESS COUNCIL
of the Geoprofessional Business Association

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Project: 10270.002	Eng/Geol: JDH/PB
Scale: 1 " = 2,000 '	Date: September 2015

Base Map: ESRI ArcGIS Online 2015
Thematic Information: Leighton
Author: Leighton Geomatics (btran)

SITE LOCATION MAP

Rio Vista Development
Jurupa Valley, California

Figure 1a

Leighton

Map Saved as P:\Drafting\10270\002\Maps\10270-002_F01a_SLM_20150924.mxd on 8/25/2015 3:34:51 PM

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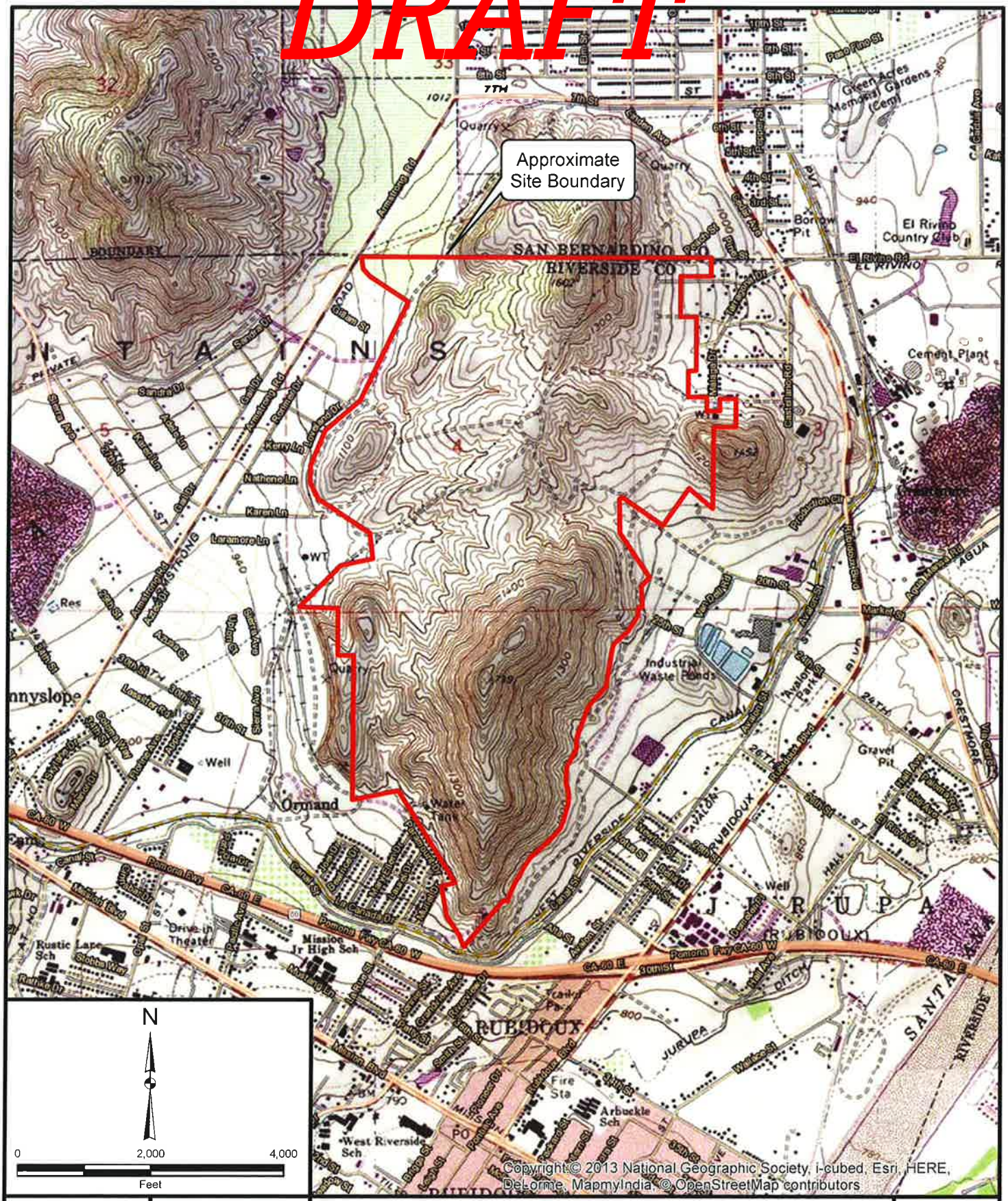


N

0 2,000 4,000

Feet

Project: 10270.002	Eng/Geol: JDH/PB
Scale:1 " = 2,000 '	Date: September 2015

Base Map: ESRI ArcGIS Online 2015
Thematic Information: Leighton
Author: Leighton Geomatics (btran)

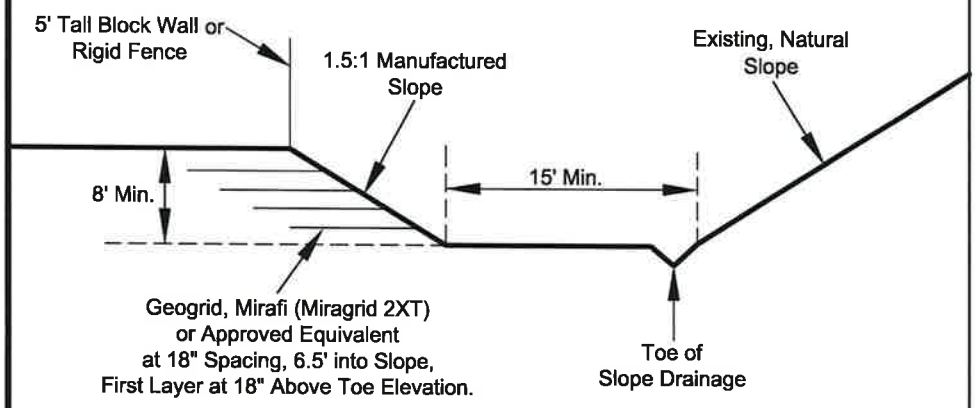
SITE LOCATION MAP

Rio Vista Development
Jurupa Valley, California

Figure 1b

Leighton

Map Saved as P:\Drafting\10270\002\Maps\10270-002_F01b_SLM_20150924.mxd on 9/24/2015 1:44:18 PM



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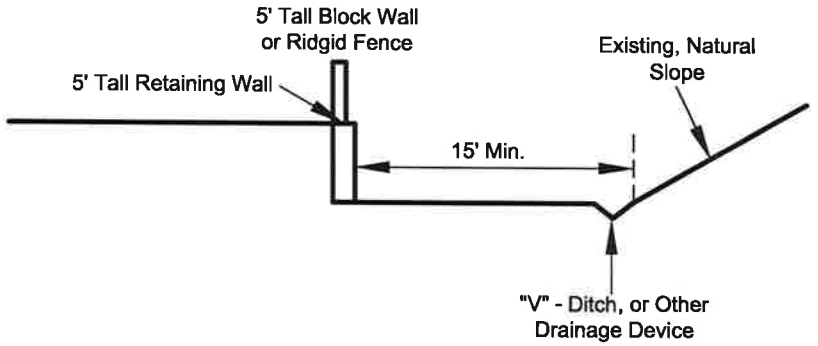

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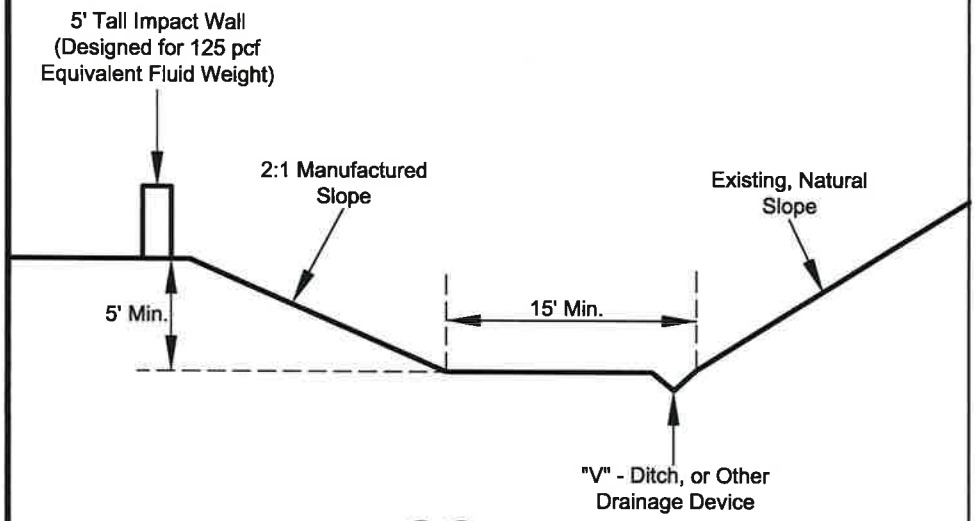

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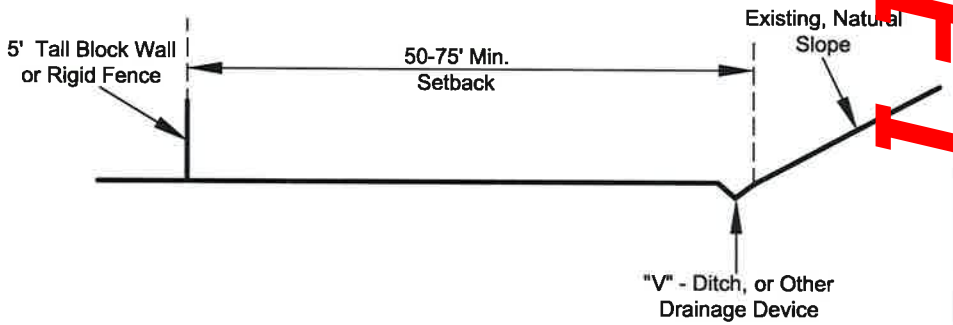

2.4

DRAFT

Proj: 10270.002	Eng/Geol: JDH/PB
Scale: NTS	Date: 09/2015

ROCKFALL HAZARD REMEDIAL OPTIONS

Rio Vista Development
City of Jurupa Valley, California

Figure 2

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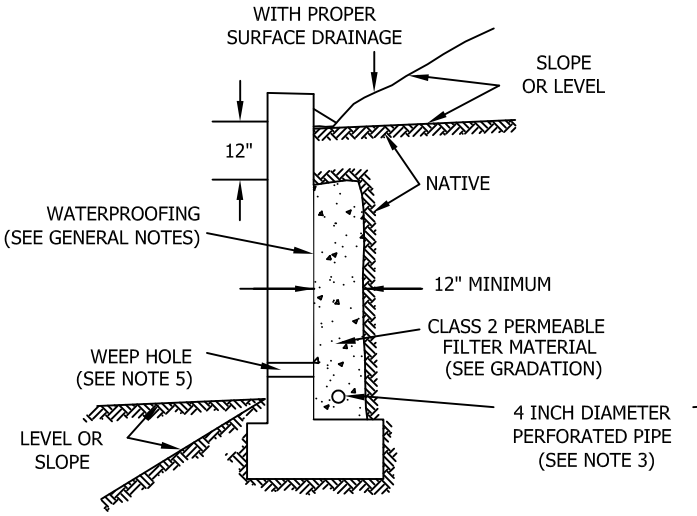
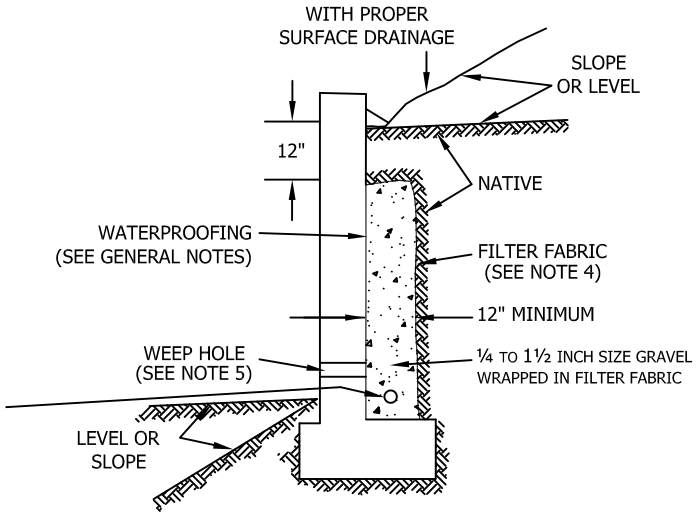
SUBDRAIN OPTIONS AND BACKFILL WHEN NATIVE MATERIAL HAS EXPANSION INDEX OF ≤50

OPTION 1: PIPE SURROUNDED WITH CLASS 2 PERMEABLE MATERIAL



OPTION 2: GRAVEL WRAPPED IN FILTER FABRIC



Class 2 Filter Permeable Material Gradation
Per Caltrans Specifications

Sieve Size	Percent Passing
1"	100
3/4"	90-100
3/8"	40-100
No. 4	25-40
No. 8	18-33
No. 30	5-15
No. 50	0-7
No. 200	0-3

GENERAL NOTES:

* Waterproofing should be provided where moisture nuisance problem through the wall is undesirable.
* Water proofing of the walls is not under purview of the geotechnical engineer
* All drains should have a gradient of 1 percent minimum
*Outlet portion of the subdrain should have a 4-inch diameter solid pipe discharged into a suitable disposal area designed by the project engineer. The subdrain pipe should be accessible for maintenance (rodding)
*Other subdrain backfill options are subject to the review by the geotechnical engineer and modification of design parameters.

Notes:
1) Sand should have a sand equivalent of 30 or greater and may be densified by water jetting.
2) 1 Cu. ft. per ft. of 1/4- to 1 1/2-inch size gravel wrapped in filter fabric
3) Pipe type should be ASTM D1527 Acrylonitrile Butadiene Styrene (ABS) SDR35 or ASTM D1785 Polyvinyl Chloride plastic (PVC), Schedule 40, Armco A2000 PVC, or approved equivalent. Pipe should be installed with perforations down. Perforations should be 3/8 inch in diameter placed at the ends of a 120-degree arc in two rows at 3-inch on center (staggered)
4) Filter fabric should be Mirafi 140NC or approved equivalent.
5) Weephole should be 3-inch minimum diameter and provided at 10-foot maximum intervals. If exposure is permitted, weepholes should be located 12 inches above finished grade. If exposure is not permitted such as for a wall adjacent to a sidewalk/curb, a pipe under the sidewalk to be discharged through the curb face or equivalent should be provided. For a basement-type wall, a proper subdrain outlet system should be provided.
6) Retaining wall plans should be reviewed and approved by the geotechnical engineer.
7) Walls over six feet in height are subject to a special review by the geotechnical engineer and modifications to the above requirements.

RETAINING WALL BACKFILL AND SUBDRAIN DETAIL FOR WALLS 6 FEET OR LESS IN HEIGHT

WHEN NATIVE MATERIAL HAS EXPANSION INDEX OF ≤50

Leighton

Figure 3

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APPENDIX A

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APPENDIX A

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Aerial Photos Reviewed:

Date	Flight	Frame	Scale	Source
1/17/1958	R11758	11 & 12	1:12,000	RCFCD
1/30/1962	RCFC 62	3-434 & 3-435	1:24,000	RCFCD
4/16/1966	GS-VBNF	I-121B & I-120	1:16,400	
2/07/1970	C-297	16		SBCFC
5/24/1974	RCFC 74	8, 9, & 10	1:24,000	RCFCD
1/7/1976	C-268	70		
1/23/1980	RCFC 80	9, 10, & 11	1:24,000	RCFCD

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APPENDIX B

GEOTECHNICAL BORING LOGS, TEST PIT LOGS, AND INFILTRATION TEST RESULTS

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GEOTECHNICAL BORING LOG LB- 1

Project No.	10270.002	**Date Drilled**	7-10-15
Project	Richland Rio Vista	**Logged By**	L. Rincon
Drilling Co.	2R Drilling, Inc.	**Hole Diameter**	9"
Drilling Method	HSA - Cal-Mod "Ring" and SPT	**Ground Elevation**	1001'
Location	see Plate 1	**Sampled By**	L. Rincon

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1000	0			B-0					**ALLUVIUM (Qal)** @ Surface: silty SAND, dry, light brown, non-plastic fines with fine-grained sand, contains organic matter (i.e. dry bush).	
				R-1	50/5"			SM	@ 2.5' - Silty SAND, very dense, dry, light brown, fine-grained sand with non-plastic fines, slightly cemented.	
995	5			R-2	50/4"			ML	@ 5' - SILT, hard, dry, light brown, non-plastic fines, slightly cemented.	
				S-3	6 8 11				@ 7.5' - SILT, stiff, dry, light brown to light reddish brown, non-plastic fines, trace fine- to medium-grained sand.	
990	10			R-4	18 30 33				@ 10' - SILT with sand, dense, slightly moist, light brown to brown, non-plastic fines with fine-grained sand.	
				S-5	9 11 33				@ 12.5' - SILT, hard, dry, light brown, non-plastic fines.	
985	15			R-6	50/4"				@ 15' - SILT with sand, hard, dry, light reddish brown, non-plastic with fine-grained sand	
980	20			S-7	12 20 22				@ 20' - SILT, very stiff, dry, brown, non-plastic fines.	
975	25								Total Drilled Depth = 20 feet Total Sampled Depth = 21.5 feet No groundwater encountered Backfilled w/spoils on 7/22/2015	
	30									

This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

GEOTECHNICAL BORING LOG LB- 2

DRAFT

Project No.	10270.002	**Date Drilled**	7-10-15
Project	Richland Rio Vista	**Logged By**	L. Rincon
Drilling Co.	2R Drilling, Inc.	**Hole Diameter**	9"
Drilling Method	HSA - Cal-Mod "Ring" and SPT	**Ground Elevation**	1016'
Location	see Plate 1	**Sampled By**	L. Rincon

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1015	0								**ALLUVIUM (Qal)** @ surface: sandy SILT, dry, light brown, non-plastic fines with fine-grained sand.	
				R-1	8 14 22			ML	@ 2.5' - SILT, very stiff, dry, light red brown, non-plastic fines, top of sampler: fine grained SAND with silt, trace medium-grained sand.	
1010	5			R-2	25 50/3"				@ 5' - SILT, hard, dry, brownish red, non-plastic fines, poorly cemented.	
1005	10			R-3	11 35 34			SW	**WEATHERED BEDROCK** @ 10' - SAND with silt, dense, slightly moist, brown, fine- to coarse-grained sand with non-plastic fines.	
1000	15			R-4	50/2"				**BEDROCK (Kt)** @ 15' - Bedrock.	
995	20			R-5	50/2.5				@ 20' - Same as above. Total Drilled Depth = 30 feet Total Sampled Depth = 20.2 feet No groundwater encountered Backfilled with cuttings on 07/22/2015	
990	25									
	30									

The Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

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GEOTECHNICAL BORING LOG LB- 3

Project No.	10270.002	**Date Drilled**	7-10-15
Project	Richland Rio Vista	**Logged By**	L. Rincon
Drilling Co.	2R Drilling, Inc.	**Hole Diameter**	9"
Drilling Method	HSA - Cal-Mod "Ring" and SPT	**Ground Elevation**	1053'
Location	see Plate 1	**Sampled By**	L. Rincon

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	0								**ALLUVIUM (Qal)** @ Surface: sandy SILT, dry, non-plastic fines with fine-grained sand, contains organic matter (i.e. dry bush).	
1050				R-1	5 12 19			ML	@ 2.5' - SILT, very stiff, dry, light brown, non-plastic fines, with trace medium-grained sand.	
	5			R-2	8 14 18				@ 5' - SILT, very stiff, dry, light brown, non-plastic fines, trace medium-grained sand.	
1045				S-3	5 8 14				@ 7.5' - SILT, very stiff, slightly moist, brown, non-plastic fines, poorly cemented, trace rock flour.	
	10			R-4	9 9 17				@ 10' - SILT, stiff, slightly moist, orange brown, non-plastic fines, poorly cemented, trace rock flour, trace medium grained sand.	
1040				S-5	5 7 7				@ 12.5' - Same as above.	
	15			R-6	10 14 25				@ 15' - Sandy SILT, very stiff, slight moist, light brown, non-plastic fines with fine-grained sand, poorly cemented, trace crushed rock.	
1035										
	20			S-7	6 14 20				@ 20' - SILT, hard, slightly moist, light brown, non-plastic fines, slightly cemented.	
1030									Total Drilled Depth = 20 feet Total Sampled Depth = 21.5 feet No groundwater encountered Backfilled with cuttings on 07/22/2015	
	25									
1025										
	30									

Soil Description: This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

GEOTECHNICAL BORING LOG LB- 4

DRAFT

Project No.	10270.002	**Date Drilled**	7-10-15
Project	Richland Rio Vista	**Logged By**	L. Rincon
Drilling Co.	2R Drilling, Inc.	**Hole Diameter**	9"
Drilling Method	HSA - Cal-Mod "Ring" and SPT	**Ground Elevation**	1076'
Location	see Plate 1	**Sampled By**	L. Rincon

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
									This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.	
1075	0			B-0					**ALLUVIUM (Qal)** @ Surface: SILT with sand, dry, non-plastic fines with fine-grained sand, contains organic matter (i.e. dry bush).	
				R-1	4 7 11			ML	@ 2.5' - SILT, stiff, dry, light brown, non-plastic fines, trace medium-grained sand.	
1070	5			R-2	8 9 23				@ 5' - Same as above.	
1065	10			R-3	8 14 25				@ 10' - Same as above, trace fine crushed rock.	
1060	15			R-4	15 25 37				@ 15' - Same as above, higher content of crushed rock.	
1055	20			S-5	8 13 14				@ 20' - Sandy SILT, very stiff, dry, light brown, non-plastic fines with fine- to medium-grained sand, trace crush rock in sample.	
				S-6	8 17 19				@ 22.5' - SILT, hard, dry, brown, non-plastic fines with crushed rock.	
1050	25			S-7	6 9 12			SM	@ 25' - Silty SAND, medium dense, slightly moist, dark brown with black mottling, fine- to medium-grained sand with non-plastic fines.	
				S-8	7 8 11				@ 27.5' - Same as above.	
	30									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

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GEOTECHNICAL BORING LOG LB- 4

Project No.	10270.002	**Date Drilled**	7-10-15
Project	Richland Rio Vista	**Logged By**	L. Rincon
Drilling Co.	2R Drilling, Inc.	**Hole Diameter**	9"
Drilling Method	HSA - Cal-Mod "Ring" and SPT	**Ground Elevation**	1076'
Location	see Plate 1	**Sampled By**	L. Rincon

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	30			S-9	8 11 15			ML	@ 30' - Sandy SILT, very stiff, slightly moist, grayish brown, non-plastic fines, trace crushed rock.	
1045										
	35			S-10	14 20 23				@ 35' - SILT, hard, dry, orange brown, non-plastic fines, poorly cemented.	
1040										
	40			S-11	40 50/2"				@ 40' - SILT, hard, slightly moist, brown, non-plastic fines with weathered bedrock. Bottom of the sample is bedrock.	
1035									**BEDROCK (Kt)**	
	45			S-12	48 50/3"				@ 45' - Bedrock.	
1030										
	50			S-13	50/4"				@ 50' - No recovery.	
1025									Total Drilled Depth = 50 feet Total Sampled Depth = 50.5 feet No groundwater encountered Backfilled with cuttings on 07/22/2015	
	55									
1020										
	60									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

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GEOTECHNICAL BORING LOG LB- 5

Project No.	10270.002	**Date Drilled**	7-20-15
Project	Richland Rio Vista	**Logged By**	L. Rincon
Drilling Co.	2R Drilling, Inc.	**Hole Diameter**	9"
Drilling Method	HSA - Cal-Mod "Ring" and SPT	**Ground Elevation**	1057'
Location	see Plate 1	**Sampled By**	L. Rincon

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	0			B-0				SM	**ALLUVIUM (Qal)** @surface: SILT with sand, dry, non-plastic fines with fine-grained sand, contains organic matter (i.e. dry bush).	
1055										
	5			R-1	28 50/6"			ML	@ 5' - SILT with sand, hard, moist, orange brown, non-plastic fines with fine- to coarse-grained sand, trace rock flour in sample.	
1050										
	10			R-2	20 30 38			SM	@ 10' - Silty SAND with gravel, very dense, moist, light brown, fine- to coarse-grained sand with non-plastic fines, subangular gravel up to 1 inch in diameter, trace crushed rock in sample.	
1045										
	15			R-3	19 24 30			SW	**WEATHERED BEDROCK** @ 15' - SAND with silt, very dense, moist, light brown with black mottling, fine- to coarse-grained sand with non-plastic fines.	
1040										
	20			S-4	25 50/4"				**BEDROCK (Kt)** @ 20' - Bedrock.	
1035										
	25			R-5	50/1"				@ 25' - Same as above.	
1030										
	30									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

DRAFT

GEOTECHNICAL BORING LOG LB- 5

Project No.	10270.002	**Date Drilled**	7-20-15
Project	Richland Rio Vista	**Logged By**	L. Rincon
Drilling Co.	2R Drilling, Inc.	**Hole Diameter**	9"
Drilling Method	HSA - Cal-Mod "Ring" and SPT	**Ground Elevation**	1057'
Location	see Plate 1	**Sampled By**	L. Rincon

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
		N S							*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
	30			S-6	50/4"				@ 30' - Same as above.	
1025									Total Drilled Depth = 30 feet Total Sampled Depth = 30.5 feet No groundwater encountered Backfilled with cuttings on 07/20/2015	
	35									
1020										
	40									
1015										
	45									
1010										
	50									
1005										
	55									
1000										
	60									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

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GEOTECHNICAL BORING LOG LB- 6

Project No.	10270.002	**Date Drilled**	7-20-15
Project	Richland Rio Vista	**Logged By**	L. Rincon
Drilling Co.	2R Drilling, Inc.	**Hole Diameter**	9"
Drilling Method	HSA - Cal-Mod "Ring" and SPT	**Ground Elevation**	1040'
Location	see Plate 1	**Sampled By**	L. Rincon

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1040	0			B-0				SW	**ALLUVIUM (Qal)** @surface: SAND with gravel, moist, fine- to coarse-grained sand with subangular gravel up to 2 inches in diameter.	
				R-1	9 14 26			ML	@ 2.5' - Sandy SILT, hard, moist, light brown, non-plastic fines with fine- to medium-grained sand, trace fine subrounded gravel up to 0.25 inches, poorly consolidated.	
1035	5			R-2	50/5"			ML	@ 5' - SILT, hard, moist, light red brown, non-plastic fines, poorly cemented, trace rock flour in sample.	
1030	10			R-3	50/4"			ML	@ 10' - SILT, hard, slightly moist, light brown, non-plastic fines, trace medium-grained sand, trace crushed rock, possible weathered bedrock.	
1025	15			R-4	50/1"			SW	**WEATHERED BEDROCK** @ 15' - Well-graded SAND, very dense, slightly moist, light brown with black mottling, fine- to coarse-grained sand, trace silt.	
1020	20			S-5	50/4"				**BEDROCK (Kt)** @ 20' - Bedrock.	
1015	25			S-6	50/5"				@ 25' - Same as above. Total Drilled Depth = 25 feet Total Sampled Depth = 25.5 feet No groundwater encountered Backfilled with cuttings on 07/20/2015	
1010	30									

This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:
B BULK SAMPLE
C CORE SAMPLE
G GRAB SAMPLE
R RING SAMPLE
S SPLIT SPOON SAMPLE
T TUBE SAMPLE

TYPE OF TESTS:
-200 % FINES PASSING
AL ATTERBERG LIMITS
CN CONSOLIDATION
CO COLLAPSE
CR CORROSION
CU UNDRAINED TRIAXIAL
DS DIRECT SHEAR
EI EXPANSION INDEX
H HYDROMETER
MD MAXIMUM DENSITY
PP POCKET PENETROMETER
RV R VALUE
SA SIEVE ANALYSIS
SE SAND EQUIVALENT
SG SPECIFIC GRAVITY
UC UNCONFINED COMPRESSIVE STRENGTH

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GEOTECHNICAL BORING LOG LB- 7

Project No.	10270.002	**Date Drilled**	7-20-15
Project	Richland Rio Vista	**Logged By**	L. Rincon
Drilling Co.	2R Drilling, Inc.	**Hole Diameter**	9"
Drilling Method	HSA - Cal-Mod "Ring" and SPT	**Ground Elevation**	1083'
Location	see Plate 1	**Sampled By**	L. Rincon

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	0			B-0				ML	**ALLUVIUM (Qal)** @surface: sandy SILT, wet, brown, non-plastic fines w/ fine- to coarse-grained sand, contains dry bush and shrubs.	
1080				R-1	13 21 30			ML	@ 2.5' - SILT, hard, dry, light orange brown, non-plastic fines, slightly consolidated.	
	5			R-2	22 40 50/5"			ML	@ 5' - same as above, light brown, top of sample contains trace crushed rock.	
1075										
	10			R-3	24 40 50/5"			ML	@ 10' - same as above, poorly consolidated, trace coarse-grained sand, trace rock flour in sample.	
1070										
	15			S-4	20 24 26			ML	@ 15' - Sandy SILT, hard, moist, light brown, non-plastic fines with fine- to medium-grained sand, trace rock flour in sample.	
1065										
	20			R-5	39 50/6"			ML	@ 20' - Sandy SILT, hard, slightly moist, light brown, non-plastic fines with fine-grained sand, trace medium- to coarse-grained sand.	
1060										
	25			S-6	15 25 30			ML	@ 25' - SILT with sand, hard, slightly moist, light brown, non-plastic fines with fine- to coarse-grained sand.	
1055										
	30									

SOIL DESCRIPTION: This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

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GEOTECHNICAL BORING LOG LB- 7

Project No.	10270.002	**Date Drilled**	7-20-15
Project	Richland Rio Vista	**Logged By**	L. Rincon
Drilling Co.	2R Drilling, Inc.	**Hole Diameter**	9"
Drilling Method	HSA - Cal-Mod "Ring" and SPT	**Ground Elevation**	1083'
Location	see Plate 1	**Sampled By**	L. Rincon

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	30			R-7	17 28 41			SM	@ 30' - Silty SAND, dense, slightly moist, light brown, fine- to coarse-grained sand with non-plastic fines.	
1050										
	35			S-8	11 10 12			SW	@ 35' - SAND with silt, brown, fine- to coarse-grained sand with non-plastic fines.	
								ML	@ 36' - Sandy SILT, very stiff, slightly moist, light brown to brown, non-plastic fines with fine-grained sand.	
1045										
	40			R-9	50/5"			ML	@ 40' - Sandy SILT, hard, slightly moist, brown, non-plastic fines with fine-grained sand, trace medium-grained sand.	
									@ 42' - Chatter from drill rig.	
1040										
	45			S-10	30 39 50			ML	@ 45' - Sandy SILT, hard, slightly moist, brown, non-plastic fines with fine- to coarse-grained sand.	
1035										
	50			R-11	32 42 50/5"			SM	@ 50' - Silty SAND or same as above, higher sand content, slightly cemented.	
1030									Total Drilled Depth = 50 feet Total Sampled Depth = 51.5 feet No groundwater encountered Backfilled with cuttings on 07/20/2015	
	55									
1025										
	60									

Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

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GEOTECHNICAL BORING LOG LB- 8

Project No.	10270.002	**Date Drilled**	7-20-15
Project	Richland Rio Vista	**Logged By**	L. Rincon
Drilling Co.	2R Drilling, Inc.	**Hole Diameter**	9"
Drilling Method	HSA - Cal-Mod "Ring" and SPT	**Ground Elevation**	1077'
Location	see Plate 1	**Sampled By**	L. Rincon

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	0			B-0				ML	**ALLUVIUM (Qal)** @surface: SILT, dry, brown, non-plastic fines, trace fine- to coarse-grained sand, trace fine gravel.	
1075				R-1	8 17 29			ML	@ 2.5' - SILT, hard, dry, brown, non-plastic fines, poorly cemented, trace fine gravel.	
	5			R-2	30 37 36			SM	@ 5' - Silty SAND, dense, dry, brown, fine- to coarse-grained sand with non-plastic fines.	
1070										
	10			R-3	19 20 32			ML	@ 10' - SILT with sand, hard, slightly moist, light brown, non-plastic fines, trace medium-grained sand.	
1065										
	15			R-4	24 50/6"			ML	@ 15' - SILT, hard, slightly moist, pale brown, non-plastic fines, trace medium-grained sand.	
1060										
	20			S-5	30 23 26			ML	@ 20' - Sandy SILT, hard, slightly moist, pale brown, non-plastic fines with fine-grained sand, trace medium-grained sand.	
1055										
	25			R-6	28 50/6"			SM	@ 25' - Silty SAND with gravel, dense, slightly moist, pale brown, fine-grained sand with non-plastic fines, trace medium- to coarse-grained sand, trace gravel.	
1050										
	30									

SOIL DESCRIPTION: This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

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GEOTECHNICAL BORING LOG LB- 8

Project No.	10270.002	**Date Drilled**	7-20-15
Project	Richland Rio Vista	**Logged By**	L. Rincon
Drilling Co.	2R Drilling, Inc.	**Hole Diameter**	9"
Drilling Method	HSA - Cal-Mod "Ring" and SPT	**Ground Elevation**	1077'
Location	see Plate 1	**Sampled By**	L. Rincon

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	30			S-7	14 14 15			SW	@ 30' - SAND with silt, medium dense, dry, brown, fine- to coarse-grained sand with non-plastic fines3	
1045									Total Drilled Depth = 30 feet Total Sampled Depth = 31.5 feet No groundwater encountered Backfilled with cuttings on 07/20/2015	
	35									
1040										
	40									
1035										
	45									
1030										
	50									
1025										
	55									
1020										
	60									

The Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:

- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

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GEOTECHNICAL BORING LOG LB- 9

Project No.	10270.002	**Date Drilled**	7-20-15
Project	Richland Rio Vista	**Logged By**	L. Rincon
Drilling Co.	2R Drilling, Inc.	**Hole Diameter**	9"
Drilling Method	HSA - Cal-Mod "Ring" and SPT	**Ground Elevation**	1040'
Location	see Plate 1	**Sampled By**	L. Rincon

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1040	0			B-0				ML	**ALLUVIUM (Qal)** @surface: SILT, light brown, non-plastic fines, contains shrubbery and dry bush.	
				R-1	4 5 8			ML	@ 2.5' - SILT, slightly moist, stiff, light brown, non-plastic fines.	
1035	5			R-2	5 6 15			ML	@ 5' - same as above, trace fine gravel.	
1030	10			R-3	29 50/6"			ML	@ 10' - same as above, without gravel.	
1025	15			R-4	29 50/6"			SM-SC	@ 15' - SAND with silt and clay to clayey SILT with sand, dense, dry, brown, golden brown, fine-grained sand with non-plastic fines and semi-plastic fines.	
1020	20			S-5	50/5"				**BEDROCK (Kt)** @ 20' - Bedrock.	
1015	25			R-5	50/2"				@ 25' - Bedrock, no recovery Total Drilled Depth = 25 feet Total Sampled Depth = 25 feet No groundwater encountered Backfilled with cuttings on 07/20/2015	
1010	30									

This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

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GEOTECHNICAL BORING LOG LB-10

Project No.	10270.002	**Date Drilled**	7-20-15
Project	Richland Rio Vista	**Logged By**	L. Rincon
Drilling Co.	2R Drilling, Inc.	**Hole Diameter**	9"
Drilling Method	HSA - Cal-Mod "Ring" and SPT	**Ground Elevation**	1016'
Location	see Plate 1	**Sampled By**	L. Rincon

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1015	0			B-0					**ALLUVIUM (Qal)** @ surface: silty SAND with subangular to subrounded gravel up to 2 inches in diameter.	
				R-1	5 9 20			ML	@ 2.5' - SILT, very stiff, olive brown, dry, non-plastic fines.	
1010	5			R-2	21 30 42			SC	@ 5' - Clayey SAND, dense, moist, brown with white mottling, fine- to coarse-grained sand with semi-plastic fines, Bottom of sample is bedrock.	
									BEDROCK (Kt)	
1005	10			R-3	50/4"				@ 10' - Bedrock.	
1000	15			R-4	50/4"				@ 15 ' - Bedrock. Total Drilled Depth = 15 feet Total Sampled Depth = 15.5 feet No groundwater encountered Backfilled with cuttings on 07/20/2015	
995	20									
990	25									
	30									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

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Richland Rio Vista **Project No. 10270.002**

Logged By: BER
Sampled By: BER

Test Pit TP-1

Date Excavated: 7/30/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: course sand & trash piles	Afu	Bulk-1	2.5		
0.0	3.0	SM	SILTY SAND, 15% fines (field estimate), reddish brown, slightly moist, non plastic					
3.0	4.0		TRASH, plastic bags, metal debris					
4.0	13.5	SM	SILTY SAND, 15% fines (field estimate), reddish brown, slightly moist, non plastic, more dense with depth	Qalo				

Total Depth (ft): 13.5
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.
Additional test pit approximately 5 feet away was dug to a depth of 5 feet for percolation testing.
Additional test pit backfilled on 8/11/2015.

Test Pit TP-2

Date Excavated: 7/30/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: course sand	Qalo	Bulk-2	3.0		
0.0	1.0	SM	SILTY SAND, 20% fines (field estimate), brown, dry, non plastic					
1.0	4.0		Granitic Bedrock, refusal	Kt				

Total Depth (ft): 4.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

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Richland Rio Vista **Project No. 10270.002**

Logged By: BER
Sampled By: BER

Test Pit TP-3

Date Excavated: 7/30/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: course silty sand and scattered debris					
0.0	1.0	SM	SILTY SAND w/buried debris, plastic	Afu				
1.0	4.0	SM	SILTY SAND, 30% fines (field estimate), brown, dry, non plastic	Qalo				
4.0	5.0		BEDROCK, granitics, refusal	Kt				

Total Depth (ft): 5.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

Test Pit TP-4

Date Excavated: 7/30/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: course silty sand		BULK-3	4.0		
0.0	3.0	SM	SILTY SAND, course grained, 10% fines (field estimate), brown, slightly moist, non plastic, debris present (plasic & cloth)	Afu				
3.0	5.0	SM	SILTY SAND, course grained, 10% fines (field estimate), brown, slightly moist, non plastic	Qalo				
5.0	13.0	SM	Same as above, increasing silt with depth					

Total Depth (ft): 13.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.
Additional test pit approximately 5 feet away was dug to a depth of 5 feet for percolation testing.
Additional test pit backfilled on 8/11/2015.

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Richland Rio Vista **Project No. 10270.002**

Logged By: BER
Sampled By: BER

Test Pit TP-5

Date Excavated: 7/30/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results Sample number	Test Results Depth (ft)	Test Results Density, Dry (pcf)	Test Results Moisture (%)
			surface: silty sand					
0.0	2.0	SM	SILTY SAND, 35% fines (field estimate), reddish brown, slightly moist, non plastic	Qalo				
2.0	4.0		BEDROCK, granitics, refusal	Kt				

Total Depth (ft): 4.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

Test Pit TP-6

Date Excavated: 7/30/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results Sample number	Test Results Depth (ft)	Test Results Density, Dry (pcf)	Test Results Moisture (%)
			surface: silty sand, course grained					
0.0	2.5	SM	SILTY SAND, 25% fines, brown, slightly moist, non plastic	Qalo				
2.5	8.0		BEDROCK, granitics, refusal	Kt				

Total Depth (ft): 8.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

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Richland Rio Vista **Project No. 10270.002**

Logged By: BER
Sampled By: BER

Test Pit TP-7

Date Excavated: 7/30/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: course silty sand					
0.0	5.0	SM	SILTY SAND, 20% fines (field estimate), course grained, brown, slightly moist, non plastic	Qalo				
5.0	7.0		BEDROCK, granitics, refusal	Kt				

Total Depth (ft): 7.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

Test Pit TP-8

Date Excavated: 7/30/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
0.0	2.0	SM	SILTY SAND, 20% fines (field estimate), olive brown, slightly moist, non plastic	Qalo				
2.0	3.0		BEDROCK, granitics, refusal	Kt				

Total Depth (ft): 3.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

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Richland Rio Vista **Project No. 10270.002**

Logged By: BER
Sampled By: BER

Test Pit TP-9

Date Excavated: 7/30/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Test Results: Depth (ft)	Test Results: Density, Dry (pcf)	Test Results: Moisture (%)
			surface: silty sand		BULK-4	4.0		
0.0	1.0	SM	SILTY SAND, 25% fines (field estimate), reddish brown, slightly moist, non plastic	Qalo				
1.0	4.5		BEDROCK, decomposed granitics, refusal	Kt				

Total Depth (ft): 4.5
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

Test Pit TP-10

Date Excavated: 7/30/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Test Results: Depth (ft)	Test Results: Density, Dry (pcf)	Test Results: Moisture (%)
			surface: course sand					
0.0	1.0	SM	SILTY SAND, 10% fine (field estimate), course grained weathered granitics intermixed	Qalo				
1.0	3.5		BEDROCK, granitics, refusal	Kt				

Total Depth (ft): 3.5
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

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Richland Rio Vista **Project No. 10270.002**

Logged By: BER
Sampled By: BER

Test Pit TP-11

Date Excavated: 7/30/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: course silty sand					
0.0	4.0	SM	SILTY SAND, 35% fines (field estimate), red, slightly moist, non plastic	Qal				
4.0	5.0		BEDROCK, granitics, refusal	Kt				

Total Depth (ft): 5.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

Test Pit TP-12

Date Excavated: 8/11/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: silty sand		Bulk-1	4'		
0.0	14.5	SM	SILTY SAND, 20% fines (field estimate), brown, slightly moist, non plastic	Qalo				
14.5	16.5	SM	SILTY SAND, 30% fines (field estimate), olive brown, slightly moist, non plastic					
16.5	17.0		BEDROCK, decomposed granitics, maximum extension)	Kt				

Total Depth (ft): 17.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

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Richland Rio Vista **Project No. 10270.002**

Logged By: BER
Sampled By: BER

Test Pit TP-13

Date Excavated: 8/11/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Test Results: Depth (ft)	Test Results: Density, Dry (pcf)	Test Results: Moisture (%)
			surface: dry brush					
0.0	12.5	SM	SILTY SAND, 10% fines (field estimate), brown, slightly moist, non plastic	Qalo				
12.5	13.5		BEDROCK, decomposed granitics, olive gray, slightly moist, non plastic, refusal	Kt				

Total Depth (ft): 13.5
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

Test Pit TP-14

Date Excavated: 8/11/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Test Results: Depth (ft)	Test Results: Density, Dry (pcf)	Test Results: Moisture (%)
			surface: dry brush					
0.0	12.0	SM	SILTY SAND, 15% fines (field estimate), brown, slightly moist, non plastic	Qalo				
12.0	13.0		BEDROCK, weathered granitics, slightly moist, non plastic, refusal	Kt				

Total Depth (ft): 13.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

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Richland Rio Vista **Project No. 10270.002**

Logged By: BER
Sampled By: BER

Test Pit TP-15

Date Excavated: 8/11/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: dry brush					
0.0	1.0		uncontrolled fill, trash	Afu				
1.0	10.5	SM	SILTY SAND, 20% fines (field estimate), brown, slightly moist, non plastic, fewer fines with depth, denser with depth, too hard to dig at 10.5', refusal	Qalo				

Total Depth (ft): 10.5
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

Test Pit TP-16

Date Excavated: 8/11/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: dry brush					
0.0	7.5	SM	SILTY SAND, 10% fines (field estimate), brown, slightly moist, non plastic	Qalo				
7.5	10.0		BEDROCK, weathered granitics, gray, slightly moist, non plastic, refusal	Kt				

Total Depth (ft): 10.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

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Richland Rio Vista **Project No. 10270.002**

Logged By: BER
Sampled By: BER

Test Pit TP-17

Date Excavated: 8/11/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: dry brush					
0.0	12.0	SM	SILTY SAND, 10% fines (field estimate), brown, slightly moist, non plastic	Qal				
12.0	13.0		BEDROCK, weathered granitics, course sand, olive gray, slightly moist, non plastic, refusal	Kt				

Total Depth (ft): 13.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

Test Pit TP-18

Date Excavated: 8/11/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: dry brush					
0.0	2.0	SM	SILTY SAND, 10% fines (field estimate), brown, slightly moist, non plastic	Qalo				
2.0	3.0		BEDROCK, weathered granitics, refusal	Kt				

Total Depth (ft): 3.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

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Richland Rio Vista **Project No. 10270.002**

Logged By: BER
Sampled By: BER

Test Pit TP-19

Date Excavated: 8/11/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: dry brush					
0.0	2.0		uncontrolled fill, debris, trash	Afu				
2.0	4.5		BEDROCK, weathered granitics, course sand, gray, slightly moist, non plastic, refusal	Kt				

Total Depth (ft): 4.5
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

Test Pit TP-20

Date Excavated: 8/11/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: dry brush					
0.0	1.0	SM	SILTY SAND, 10% fines (field estimate), brown, slightly moist, non plastic	Qalo				
1.0	4.5		BEDROCK, weathered granitics, refusal	Kt				

Total Depth (ft): 4.5
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

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Richland Rio Vista **Project No. 10270.002**

Logged By: BER
Sampled By: BER

Test Pit TP-21

Date Excavated: 8/11/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: dry brush					
0.0	2.0	SM	SILTY SAND, 10% fines (field estimate), brown, slightly moist, non plastic	Qalo				
2.0	5.0		BEDROCK, weathered granitics, refusal	Kt				

Total Depth (ft): 5.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

Test Pit TP-22

Date Excavated: 8/11/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: dry brush					
0.0	1.0	SM	SILTY SAND, 10% fines (field estimate), brown, slightly moist, non plastic	Qalo				
1.0	5.0		BEDROCK, weathered granitics, refusal	Kt				

Total Depth (ft): 5.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

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Richland Rio Vista **Project No. 10270.002**

Logged By: BER
Sampled By: BER

Test Pit TP-23

Date Excavated: 8/11/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: dry brush					
0.0	3.0	SM	SILTY SAND, 10% fines (field estimate), brown, slightly moist, non plastic	Qal				
3.0	5.0		BEDROCK, weathered granitics, olive gray, slightly moist, non plastic, refusal	Kt				

Total Depth (ft): 5.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

Test Pit TP-24

Date Excavated: 8/11/2015
Location: (see Geotechnical Map)

Depth Top (ft)	Depth Bottom (ft)	Soil symbol (USCS)	Description	Geologic Unit	Test Results: Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: dry brush					
0.0	14.0	SM	SILTY SAND, 10% fines (field estimate), brown, slightly moist, non plastic, maximum extension	Qalo				

Total Depth (ft): 14.0
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

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Richland Rio Vista **Project No. 10270.002**

Logged By: BER
Sampled By: BER

Test Pit TP-25
Date Excavated: 8/11/2015
Location: (see Geotechnical Map)

Depth		Soil	Description	Geologic	Test Results			
Top (ft)	Bottom (ft)	symbol (USCS)		Unit	Sample number	Depth (ft)	Density, Dry (pcf)	Moisture (%)
			surface: dry brush					
0.0	3.0	SM	SILTY SAND, 20% fines (field estimate), brown, slightly moist, non plastic	Qalo				
3.0	6.5		BEDROCK, weathered granitics, refusal	Kt				

Total Depth (ft): 6.5
No ground water encountered.
Test pit backfilled with native soil, tamped with bucket and wheel rolled at surface.

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GEOTECHNICAL BORING LOG EP- 1

DRAFT

Project No.	10270.001	**Date Drilled**	8-8-13
Project	Richland Rio Vista Jurupa Valley	**Logged By**	Sean Richards
Drilling Co.		**Hole Diameter**	"
Drilling Method	Cat 345 Excavator with rock teeth	**Ground Elevation**	1076'
Location	see Plate 1	**Sampled By**	Sean Richards

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1075	0								*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
									Quaternary Old Alluvium (Qalo) SILTY SAND (SM), dense, brown to reddish brown, dry to moist, fine to medium sand	
1070	5									
1065	10									
									Total Depth 11 feet below ground surface **No groundwater encountered** **Backfilled with soil cuttings**	
1060	15									
1055	20									
1050	25									
	30									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

GEOTECHNICAL BORING LOG EP- 2

DRAFT

Project No.	10270.001	**Date Drilled**	8-8-13
Project	Richland Rio Vista Jurupa Valley	**Logged By**	Sean Richards
Drilling Co.		**Hole Diameter**	"
Drilling Method	Cat 345 Excavator with rock teeth	**Ground Elevation**	1203'
Location	see Plate 1	**Sampled By**	Sean Richards

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1200	0								*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
									Quaternary Old Alluvium (Qalo) SILTY SAND with gravel (SM), loose, light brown, fine to medium sand	
									Weathered Granite (Kt) GRAVEL with sand (GP), light brown to light brownish gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, grusified, soft easy digging.	
1195	5								GRAVEL with sand (GP), medium dense, light brownish gray to light gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, grusified, becomes hard, more difficult to dig, still rippable.	
1190	10								increasing density, within Kt some fractured blocks from sill. GRAVEL with sand (GP), dense, light gray to dark gray, dry to moist, coarse sand to fine gravel, weathered granite, color becomes darker, still blocks 4-inch x 4-inch average from sill. GRAVEL with sand (GP), dense, dark gray to gray, coarse sand to fine gravel	
1185	15								GRAVEL with sand (GP), dense, gray, dry, coarse sand to fine gravel at 16 feet bucket is digging jerky, and scratching for depth, Kt is dense and becoming more tight with depth	
1180	20								**Total Depth 17.2 feet below ground surface** **No groundwater encountered** **Backfilled with soil cuttings**	
1175	25									
	30									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

GEOTECHNICAL BORING LOG EP- 3

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Project No.	10270.001	**Date Drilled**	8-8-13
Project	Richland Rio Vista Jurupa Valley	**Logged By**	Sean Richards
Drilling Co.		**Hole Diameter**	"
Drilling Method	Cat 345 Excavator with rock teeth	**Ground Elevation**	1300'
Location	see Plate 1	**Sampled By**	Sean Richards

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1300	0								*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
									Quaternary Old Alluvium (Qalo) SILTY SAND with gravel (SM), brown, dry, fine to medium sand GRAVEL with sand (GP), brown to light brownish gray, dry, fine to medium sand	
									Weathered Granite (Kt) GRAVEL with sand (GP), loose to medium dense, grayish brown, coarse sand to fine gravel	
1295	5									
									GRAVEL with sand (GP), dense, gray to light gray, coarse sand to fine gravel, tighter digging, excavator digging but tight	
1290	10								sill with blocks of 12 inch by 8 inch of quartzite	
									more chunky in cuttings	
1285	15								GRAVEL with sand (GP), very dense, gray, coarse sand to fine gravel, darker gray coloration, not as friable	
									Total Depth 15.5 feet below ground surface **No groundwater encountered** **Backfilled with soil cuttings**	
1280	20									
1275	25									
1270	30									

SAMPLE TYPES:

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:

- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH

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GEOTECHNICAL BORING LOG EP- 4

Project No.	10270.001	**Date Drilled**	8-8-13
Project	Richland Rio Vista Jurupa Valley	**Logged By**	Sean Richards
Drilling Co.		**Hole Diameter**	"
Drilling Method	Cat 345 Excavator with rock teeth	**Ground Elevation**	1282'
Location	see Plate 1	**Sampled By**	Sean Richards

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1280	0								*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
									Quaternary Old Alluvium (Qalo) SILTY SAND (SM), medium dense, brown to reddish brown, dry, fine to medium sand, rippable	
1275	5								Weathered Granite (Kt) GRAVEL with sand (GP), medium dense, light brownish gray to light gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, rippable.	
1270	10								GRAVEL with sand (GP), medium dense, light brownish gray to light gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, becoming tighter, chuncky in spoils, rippable.	
1265	15								GRAVEL with sand (GP), medium dense, light brownish gray to light gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, scratching for depth but rippable.	
									Total Depth 14.5 feet below ground surface **No groundwater encountered** **Backfilled with soil cuttings**	
1260	20									
1255	25									
	30									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

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GEOTECHNICAL BORING LOG EP- 5

Project No.	10270.001	**Date Drilled**	8-8-13
Project	Richland Rio Vista Jurupa Valley	**Logged By**	Sean Richards
Drilling Co.		**Hole Diameter**	"
Drilling Method	Cat 345 Excavator with rock teeth	**Ground Elevation**	1214'
Location	see Plate 1	**Sampled By**	Sean Richards

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1214	0								*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
									Quaternary Old Alluvium (Qalo) SILTY SAND (SM), medium dense, brown to reddish brown, dry, fine to medium sand, rippable	
1210	5								Weathered Granite / Weathered Schist (Kt Pz) GRAVEL with sand (GP), medium dense, light brownish gray to light yellowish brown, dry, fine to coarse sand with fine gravel, weathered Granite (Kt) and chunky schist (Pz) material, slightly chuncky in spoils, rippable.	
1205	10								GRAVEL with sand (GP), medium dense, light brownish gray to light yellowish brown, dry, fine to coarse sand with fine gravel, weathered Granite (Kt) and schist (Pz) material, becoming tighter, chuncky in spoils, rippable.	
									GRAVEL with sand (GP), medium dense, light brownish gray to light yellowish brown, dry, fine to coarse sand with fine gravel, weathered Granite (Kt) and schist (Pz) material, scratching for depth but rippable.	
1200	15								**Total Depth 13 feet below ground surface** **No groundwater encountered** **Backfilled with soil cuttings**	
1195	20									
1190	25									
1185	30									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

GEOTECHNICAL BORING LOG EP- 6

DRAFT

Project No.	10270.001	**Date Drilled**	8-8-13
Project	Richland Rio Vista Jurupa Valley	**Logged By**	Sean Richards
Drilling Co.		**Hole Diameter**	"
Drilling Method	Cat 345 Excavator with rock teeth	**Ground Elevation**	1183'
Location	see Plate 1	**Sampled By**	Sean Richards

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1180	0								*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
									Weathered Granite and Weathered Schist (Kt Pz) GRAVEL with sand (GP), medium dense, light brownish gray to yellowish brown, dry, fine to coarse sand with fine gravel, weathered granite (Kt) chunks of weathered schist (Pz), blocky, rippable.	
	5								GRAVEL with sand (GP), dense, light brownish gray to light yellowish brown, dry, fine to coarse sand with fine gravel, weathered granite (Kt) and weathered schist (Pz), becoming tighter, chuncky in spoils, blocks of schist, rippable.	
1175										
	10								GRAVEL with sand (GP), dense, light brownish gray to light yellowish brown, dry, fine to coarse sand with fine gravel, weathered granite (Kt) and weathered schist (Pz), chuncky in spoils, blocks of schist, tight, rippable.	
1170										
	15								**Total Depth 13 feet below ground surface** **No groundwater encountered** **Backfilled with soil cuttings**	
1165										
	20									
1160										
	25									
1155										
	30									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

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GEOTECHNICAL BORING LOG EP- 7

DRAFT

Project No.	10270.001	**Date Drilled**	8-8-13
Project	Richland Rio Vista Jurupa Valley	**Logged By**	Sean Richards
Drilling Co.		**Hole Diameter**	"
Drilling Method	Cat 345 Excavator with rock teeth	**Ground Elevation**	1233'
Location	see Plate 1	**Sampled By**	Sean Richards

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1230	0								*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
									Quaternary Old Alluvium (Qalo)	
									SILTY SAND (SM), medium dense, brown to light gray, dry, fine to medium sand, with some weathered granite fragments, undulatory contact, rippable	
									Weathered Granite (Kt)	
	5								GRAVEL with sand (GP), medium dense, light brownish gray to light reddish brown, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, rippable	
1225									GRAVEL with sand (GP), medium dense, light brownish gray to light gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, becoming tighter, some small blocks from sill, rippable	
	10								GRAVEL with sand (GP), medium dense, light brownish gray to gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, scratching for depth but rippable	
1220									**Total Depth 12.5 feet below ground surface** **No groundwater encountered** **Backfilled with soil cuttings**	
	15									
1215										
	20									
1210										
	25									
1205										
	30									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

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DRAFT

GEOTECHNICAL BORING LOG EP- 8

Project No.	10270.001	**Date Drilled**	8-9-13
Project	Richland Rio Vista Jurupa Valley	**Logged By**	Sean Richards
Drilling Co.		**Hole Diameter**	"
Drilling Method	Cat 345 Excavator with rock teeth	**Ground Elevation**	1201'
Location	see Plate 1	**Sampled By**	Sean Richards

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1200	0								*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
									Quaternary Old Alluvium (Qalo) SILTY SAND with gravel (SM), loose, light brown, fine to medium sand	
									Weathered Granite (Kt) GRAVEL with sand (GP), loose, light brown to light brownish gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, grusified, soft easy digging, some blocks of quartzite from sill up to 24 inches.	
1195	5								GRAVEL with sand (GP), medium dense, light brownish gray to light gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, grusified, becomes hard, more difficult to dig, still rippable.	
									GRAVEL with sand (GP), dense, light gray to dark gray, dry to moist, coarse sand to fine gravel, weathered granite (Kt), massive, scratching then scooping for depth, color becomes slightly darker, some smaller blocks from sill.	
1190	10								GRAVEL with sand (GP), dense, dark gray to gray, dry to moist, coarse sand to fine gravel, weathered granite, massive, scratching then scooping for depth, more chunky, friable in hand sample.	
									GRAVEL with sand (GP), dense, gray, dry, coarse sand to fine gravel, weathered granite, massive, as above, scratching for depth, jerky digging.	
1185	15								**Total Depth 15.5 feet below ground surface** **No groundwater encountered** **Backfilled with soil cuttings**	
1180	20									
1175	25									
	30									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

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GEOTECHNICAL BORING LOG EP- 9

Project No.	10270.001	**Date Drilled**	8-9-13
Project	Richland Rio Vista Jurupa Valley	**Logged By**	Sean Richards
Drilling Co.		**Hole Diameter**	"
Drilling Method	Cat 345 Excavator with rock teeth	**Ground Elevation**	1151'
Location	see Plate 1	**Sampled By**	Sean Richards

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1150	0								*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
									Quaternary Old Alluvium (Qalo) SILTY SAND with gravel (SM), loose, brown, fine to medium sand	
1145	5								Weathered Granite (Kt) GRAVEL with sand (GP), loose, light brown to light brownish gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, grusified, soft easy digging, some blocks of quartzite from sill up to 8-10 inches.	
									GRAVEL with sand (GP), medium dense, light brownish gray to light gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, grusified, massive, more difficult diging, chunky, still rippable.	
1140	10								GRAVEL with sand (GP), dense, gray, dry, coarse sand to fine gravel, weathered granite (Kt), massive, scratching for depth, jerky digging.	
1135	15								**Total Depth 12 feet below ground surface** **No groundwater encountered** **Backfilled with soil cuttings**	
1130	20									
1125	25									
	30									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

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GEOTECHNICAL BORING LOG EP-10

Project No.	10270.001	**Date Drilled**	8-9-13
Project	Richland Rio Vista Jurupa Valley	**Logged By**	Sean Richards
Drilling Co.		**Hole Diameter**	"
Drilling Method	Cat 345 Excavator with rock teeth	**Ground Elevation**	1106'
Location	see Plate 1	**Sampled By**	Sean Richards

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1105	0								*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
									Quaternary Old Alluvium (Qalo) SILTY SAND with gravel (SM), loose, brown, dry, fine to medium sand, with some cobble size blocks.	
1100	5								Weathered Granite (Kt) GRAVEL with sand (GP), loose, light brown to light brownish gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, grusified, soft easy digging, some blocks of quartzite from sill 12 to 24 inches.	
									GRAVEL with sand (GP), medium dense, light brownish gray to light gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, grusified, massive, more difficult diging, chunky, still rippable, in stockpile chunks 2-6 inches.	
1095	10								GRAVEL with sand (GP), dense, gray, dry, coarse sand to fine gravel, weathered granite (Kt), massive, scratching for depth, jerky digging, some hard quartzite blocks from sill angular.	
1090	15								**Total Depth 15 feet below ground surface** **No groundwater encountered** **Backfilled with soil cuttings**	
1085	20									
1080	25									
	30									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

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GEOTECHNICAL BORING LOG EP-11

Project No.	10270.001	**Date Drilled**	8-9-13
Project	Richland Rio Vista Jurupa Valley	**Logged By**	Sean Richards
Drilling Co.		**Hole Diameter**	"
Drilling Method	Cat 345 Excavator with rock teeth	**Ground Elevation**	1142'
Location	see Plate 1	**Sampled By**	Sean Richards

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
1140	0								*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
									Quaternary Old Alluvium (Qalo) SILTY SAND with gravel (SM), loose, brown, dry, fine to medium sand	
1135	5								Weathered Granite (Kt) GRAVEL with sand (GP), loose, light brown to light brownish gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, grusified, soft easy digging.	
1130	10								GRAVEL with sand (GP), medium dense, light brownish gray to light gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, grusified, massive, easy to moderate diging, rippable.	
	15								GRAVEL with sand (GP), medium dense, gray, dry, coarse sand to fine gravel, weathered granite (Kt), massive, moderate digging, becoming chuncky.	
1125									**Total Depth 15 feet below ground surface** **No groundwater encountered** **Backfilled with soil cuttings** ** Turned around and excavator dug on sill. top weathered and easily broke however below 8-10 inches very hard and blocks 12-18 inches thick and 2 to 4 foot long off sill weathered granite portion rippable.	
1120	20									
1115	25									
	30									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

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GEOTECHNICAL BORING LOG EP-12

Project No.	10270.001	**Date Drilled**	8-9-13
Project	Richland Rio Vista Jurupa Valley	**Logged By**	Sean Richards
Drilling Co.		**Hole Diameter**	"
Drilling Method	Cat 345 Excavator with rock teeth	**Ground Elevation**	1238'
Location	see Plate 1	**Sampled By**	Sean Richards

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	0								*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
									Quaternary Old Alluvium (Qalo) SILTY SAND with gravel (SM), loose, brown, dry, fine to medium sand, with some cobble size blocks	
1235									Weathered Granite (Kt) GRAVEL with sand (GP), loose, light brown to light brownish gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, grusified, rippable.	
	5									
1230									GRAVEL with sand (GP), medium dense, light brownish gray to light gray, dry, fine to coarse sand with fine gravel, weathered granite (Kt) material, grusified, massive, more difficult diging, chunky, still rippable, in stockpile chunks 2-4 inches.	
	10									
1225									GRAVEL with sand (GP), dense, gray, dry, coarse sand to fine gravel, weathered granite (Kt), massive, scratching for depth, jerky digging, rippable.	
	15								**Total Depth 13.5 feet below ground surface** **No groundwater encountered** **Backfilled with soil cuttings**	
1220										
	20									
1215										
	25									
1210										
	30									

SAMPLE TYPES:

B	BULK SAMPLE
C	CORE SAMPLE
G	GRAB SAMPLE
R	RING SAMPLE
S	SPLIT SPOON SAMPLE
T	TUBE SAMPLE

TYPE OF TESTS:

-200	% FINES PASSING	DS	DIRECT SHEAR	SA	SIEVE ANALYSIS
AL	ATTERBERG LIMITS	EI	EXPANSION INDEX	SE	SAND EQUIVALENT
CN	CONSOLIDATION	H	HYDROMETER	SG	SPECIFIC GRAVITY
CO	COLLAPSE	MD	MAXIMUM DENSITY	UC	UNCONFINED COMPRESSIVE STRENGTH
CR	CORROSION	PP	POCKET PENETROMETER		
CU	UNDRAINED TRIAXIAL	RV	R VALUE		

*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

DRAFT

Earth, Construction, & Mining
CA LIC. No. 651848
NV LIC. NO. 0071919

E C M

11542 Knott Street #10, Garden Grove CA 92841
PH: 714-897-4ECM [4326] · FX: 714-897-2016

INVESTIGATIVE DRILL LOGS

HOLE LOCATION: N 34.02706 W117.40533			
JOB# 4257	HOLE# 1	DRILL CALIBRATIONS	
DATE: 5/8/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838	
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI	
MARGINAL:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI	
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000	

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1	0			41			
2				42			
3				43			
4				44			
5	11 sec	Soft	COLLAR	45	1m47s	Med Hard	ROTATION
6	0			46	0		
7				47			FLOATERS
8				48			
9				49			
10				50	1m40s	Med Hard	ROTATION
11	1m57s	Medium	ROTATION	51	0		
12	0			52			
13				53			
14				54	1m05s	Med Hard	ROTATION
15	1m24s	Medium	ROTATION	55	0		
16	0			56			
17				57			
18				58	1m43s	Hard	ROTATION
19				59	0		
20	1m31s	Medium	ROTATION	60	45s	Hard	PERCUSSION
21	0			61	0		
22				62			SMALL SOFT SEAMS
23				63			
24				64	1m16s	Hard	ROTATION
25	1m07s	Medium	ROTATION	65			
26	0			66			
27				67			
28				68			
29				69			
30	1m40s	Medium	ROTATION	70			
31	0			71			
32				72			
33				73			
34				74			
35	1m48s	Medium	ROTATION	75			
36	0			76			
37				77			
38				78			
39	35s	Medium	percusion	79			
40	0			80			

The following Data contains estimated Rippable/Marginal and Marginal/Blasting Horizons are based upon experience in Massive Homogeneous Granite Rock Types. Deviations due to changes in geologic formations, bedding planes, joints sets, faulting or hydrological conditions as well as ripper equipment types and conditions can result in wide variances in either direction in the actual rippability limits encountered.

DRAFT

Earth, Construction, & Mining
CA LIC. No. 651848
NV LIC. NO. 0071919

E C M

11542 Knott Street #10, Garden Grove CA 92841
PH: 714-897-4ECM [4326] · FX: 714-897-2016

INVESTIGATIVE DRILL LOGS

HOLE LOCATION: N 34.02866 W 117.40396			
JOB# 4257	HOLE # 2	DRILL CALIBRATIONS	
DATE: 5/8/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838	
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI	
MARGINAL:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI	
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000	

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41			
2				42			GREY
3				43			SEAMS
4			BROWN	44			
5				45	1m33s	Hard	ROTATION
6				46			DARK GREY
7		Soft	COLLAR	47			
8				48			
9				49	1m35s	Hard	PERCUSSION
10				50			
11	1m10s	Soft	ROTATION	51			
12				52			
13			BROWN	53			MASSIVE
14			GREY	54			
15				55	1m30s	Hard	PERCUSSION
16	2m	Soft	ROTATION	56			SEAMS
17				57	1m	Hard	PERCUSSION
18			GREY	58	30s	Hard	SEAMS
19				59			
20	2m	Medium	ROTATION	60	1m53s	Hard	PERCUSSION
21				61			
22				62			
23			GREY	63			
24				64			
25	1m43s	Medium	ROTATION	65	2m55s	Hard	PERCUSSION
26				66			
27			BROWN	67			
28			GREY	68			
29				69			
30	1m39s	Medium	ROTATION	70			
31				71			
32				72			
33				73			
34				74			
35	2m10s	Med Hard	ROTATION	75			
36				76			
37	45s	Med Hard	ROTATION	77			
38				78			
39				79			
40	1m24s	Med Hard	ROTATION	80			

The following Data contains estimated Rippable/Marginal and Marginal/Blasting Horizons are based upon experience in Massive Homogeneous Granite Rock Types. Deviations due to changes in geologic formations, bedding planes, joints sets, faulting or hydrological conditions as well as ripper equipment types and conditions can result in wide variances in either direction in the actual rippability limits encountered.

DRAFT

Earth, Construction, & Mining
CA LIC. No. 651848
NV LIC. NO. 0071919

E C M

11542 Knott Street #10, Garden Grove CA 92841
PH: 714-897-4ECM [4326] · FX: 714-897-2016

INVESTIGATIVE DRILL LOGS

HOLE LOCATION: N 34.02833 W 117.40328				
JOB# 4257	HOLE # 3		DRILL CALIBRATIONS	
DATE: 5/8/13		DRILL MAKE/MODEL : INGERSAL RAND ECM 720 CRAWLER DRILL #838		
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI		
MARGINAL:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI		
PROBABLE BLASTING		DRILL W/PERCUSSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000		

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41	19s	Soft	ROTATION HIT HARD
2				42			
3				43			BROWN GREY
4				44			DARK GREY
5				45	1m53s	Hard	PERCUSION
6				46			
7			WATER INJECTION	47			
8		Soft	COLLAR	48			
9				49			DARK GREY
10				50	2m01s	Hard	PERCUSSION
11				51			
12	37s	soft	ROTATION	52			
13				53			
14				54			
15	1m10s	med soft	ROTATION	55			
16				56			
17				57			
18			ROTATION	58			
19				59			
20	1m22s	Soft	ROTATION	60			
21				61			
22			BROWN	62			
23				63			
24				64			
25	1m19s	Soft	ROTATION	65			
26				66			
27				67			
28				68			
29	1m09s	Soft	ROTATION	69			
30				70			
31				71			
32		ROCK LAYER/BOULDER (?)		72			
33				73			
34				74			
35	1m24s	Med Hard	PERCUSSION	75			
36			punch thru	76			
37				77			
38				78			
39				79			
40	1m12s	Medium	ROTATION	80			

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NV LIC. NO. 0071919

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INVESTIGATIVE DRILL LOGS

HOLE LOCATION: N 34.02832 W 117.40272

JOB# 4257	HOLE# 4	DRILL CALIBATION
DATE: 5/8/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI
marginal:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41			DARK GREY
2				42			
3				43			
4				44			
5				45	1m58s	Med Hard	PERCUSSION
6			WATER INJECTION	46			
7	1m30s	Soft	COLLAR	47			WHITE
8	15s	Soft	ROTATION	48			
9				49			
10				50	3m44s	Hard	PERCUSSION
11	42s	Med Hard	PERCUSSION	51			
12				52			
13			DARK GREY	53			
14				54			
15	45s	Med Hard	PERCUSSION	55			
16				56			
17			DARK GREY	57			
18			BROWN	58			
19				59			
20	1m55s	Med Hard	PERCUSSION	60			
21				61			
22			DARK GREY	62			
23				63			
24	1m03s	Med Hard	PERCUSSION	64			
25				65			
26				66			
27			DARK GREY	67			
28				68			
29				69			
30	2m40s	Med Hard	PERCUSSION	70			
31				71			
32				72			
33				73			
34				74			
35	1m52s	Med Hard	PERCUSSION	75			
36				76			
37				77			
38				78			
39				79			
40	2m07s	Med Hard	PERCUSION	80			

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INVESTIGATIVE DRILL LOGS

HOLE LOCATION: N 34.03148 W 117.40437

JOB# 4257	HOLE # 5	DRILL CALIBRATIONS
DATE: 5/8/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI
Marginal:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41			
2				42			
3				43			
4				44			
5			BROKEN ROCK	45			
6			BROWN	46			
7				47			
8				48			
9				49			
10				50			
11		Hard	WATER INJECTION	51			
12	55s	Broken	COLLAR	52			
13				53			
14				54			
15	1m11s	Hard	PERCUSSION	55			
16				56			
17				57			
18				58			
19				59			
20	1m	Hard	PERCUSSION	60			
21				61			
22				62			
23				63			
24				64			
25	1m08s	Hard	PERCUSSION	65			
26				66			
27	BROKE DRILL			67			
28	HOLE TERMIMATED			68			
29	AT 25 FEET			69			
30				70			
31				71			
32				72			
33				73			
34				74			
35				75			
36				76			
37				77			
38				78			
39				79			
40				80			

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INVESTIGATIVE DRILL LOGS

		HOLE LOCATION: N 34.03144 W 117.40450
JOB# 4257	HOLE# 6	DRILL CALIBRATIONS
DATE: 5/13/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI
Marginal:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41			
2				42			
3				43			
4				44			
5				45	2m18s	Hard	PERCUSSION
6				46			
7			BROWN	47			
8				48			
9				49			
10				50	2m02s	Hard	PERCUSSION
11				51			
12			COLLAR	52			
13				53			
14				54			
15	1s01m	Soft	ROTATE	55			
16				56			
17				57			
18				58			
19				59			
20	50s	Soft	ROTATE	60			
21				61			
22				62			
23				63			
24				64			
25	1m15s	Soft	ROTATE	65			
26				66			
27				67			
28				68			
29				69			
30	1m33s	Soft	ROTATE	70			
31				71			
32		medium		72			
33				73			
34				74			
35	1m11s	Hard	PERCUSSION	75			
36				76			
37				77			
38				78			
39				79			
40	2m44s	Hard	PERCUSSION	80			

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INVESTIGATIVE DRILL LOGS

HOLE LOCATION: N34.03197 W 117.40473

JOB# 4257	HOLE #7		DRILL CALIBRATIONS
DATE: 5/13/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838	
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI	
Marginal:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI	
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000	

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41			
2				42			
3				43			
4				44			
5				45	1m23s	Medium	PERCUSSION
6				46			
7				47			
8				48			
9				49			
10			WATER INJECTION	50	2m24s	Hard	PERCUSSION
11	1m07s	Soft	COLLAR	51			
12				52			
13				53			
14	1m09s	Hard	ROTATION	54	1m34s	Hard	PERCUSSION
15				55			
16				56			
17				57			
18	40s	Medium	PERCUSSION	58			
19				59			
20	45s	med Hard	ROTATION	60	1m45s	Hard	PERCUSSION
21				61			
22	52s	Hard	ROTATION	62			
23				63			
24				64			
25	1m03s	med Hard	PERCUSSION	65	1m37s	med Hard	PERCUSSION
26				66			
27				67			
28				68			
29				69			
30	1m45s	med Hard	PERCUSSION	70			
31				71			
32			soft	72			
33			spots	73			
34				74			
35	1m09s	Medium	PERCUSSION	75			
36				76			
37				77			
38				78			
39				79			
40	55s	Medium	PERCUSSION	80			

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INVESTIGATIVE DRILL LOGS

HOLE LOCATION: N 34.03069 W 117.41021

JOB# 4257	HOLE # 8	DRILL CALIBRATIONS	
DATE: 5/13/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838	
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI	
Marginal:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI	
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000	

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41			
2				42			
3				43			GREY
4				44		med hard	
5				45	2m	hard	PERCUSSION
6				46			
7				47			
8				48			DARK GREY
9				49			
10			WATER INJECTION	50	1m33s	hard	PERCUSSION
11		dirt	COLLAR	51			
12				52			
13				53			DARK GREY
14				54	1m23s	hard	PERCUSSION
15	1m09s	medium	PERCUSSION	55			
16				56			
17	19s	medium	PERCUSSION	57			DARK GREY
18	59s	medium	ROTATION	58			
19				59			
20	30s	medium	PERCUSSION	60	3m16s	XTRA hard	PERCUSSION
21				61			
22				62			
23				63			
24				64			
25	1m20s	medium	PERCUSSION	65	1m50s	hard	PERCUSSION
26				66			
27				67			
28				68			
29				69			
30	1m	medium	PERCUSSION	70			
31				71			
32				72			
33				73			
34				74			
35	1m23s	hard	PERCUSSION	75			
36				76			
37				77			
38				78			
39				79			
40	1m23s	med hard	PERCUSSION	80			

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INVESTIGATIVE DRILL LOGS

HOLE LOCATION: N 34.02942 W 117.41106

JOB# 4257	HOLE # 9	DRILL CALIBRATIONS
DATE: 5/13/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI
Marginal:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41			
2				42			
3				43			GREY BROWN
4				44			
5				45	1m52s	hard	PERCUSSION
6				46			
7				47			
8				48			
9				49			
10				50	1m25s	hard	PERCUSSION
11			WATER INJECTION	51			
12		soft	COLLAR	52			GREY
13				53			
14				54			
15				55	2m32s	hard	PERCUSSION
16	1m25s	medium	ROTATION	56			
17				57			
18				58			
19		medium		59			
20	56s	med hard	PERCUSSION	60	4m26s	XTRA hard	PERCUSSION
21				61			
22				62			
23				63			
24				64			
25	2m07s	hard	PERCUSSION	65			
26				66			
27				67			
28				68			
29				69			
30	2m05s	hard	PERCUSSION	70			
31				71			
32			GREY	72			
33				73			
34				74			
35	2m17s	hard	PERCUSSION	75			
36				76			
37				77			
38				78			
39				79			
40	2m36s	hard	PERCUSSION	80			

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INVESTIGATIVE DRILL LOGS

HOLE LOCATION: N34.02608 W 117.41393

JOB# 4257	HOLE #10	DRILL CALIBRATIONS
DATE: 5/13/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI
Marginal:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41			
2				42			GREY CHUNKY
3				43			
4				44			
5				45	1m27s	med Hard	ROTATION
6				46			
7				47			
8				48			
9				49			
10				50	1m30s	hard	PERCUSSION
11			WATER INJECTION	51			
12		dirt	COLLAR	52			
13				53			
14				54	1m	hard	PERCUSSION
15	52s	soft	ROTATION	55			
16				56			
17				57			DARK GREY
18				58			
19				59			
20	1m33s	soft	ROTATION	60	1m48s	hard	PERCUSSION
21				61			
22			BROWN	62			
23				63			
24				64			
25	1m06s	soft	ROTATION	65	1m29s	hard	PERCUSSION
26				66			
27				67			
28			BROWN	68			
29				69			
30	54s	soft	ROTATION	70			
31				71			
32				72			
33			GREY	73			
34				74			
35	1m46s	medium	ROTATION	75			
36				76			
37				77			
38				78			
39				79			
40	1m50s	medium	ROTATION	80			

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INVESTIGATIVE DRILL LOGS

HOLE LOCATION: N34.02585 W 117.41419

JOB# 4257	HOLE# 11		DRILL CALIBATION
DATE: 5/13/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838	
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI	
Marginal:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI	
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000	

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41			
2				42			
3				43			
4		chunky		44			
5				45			
6			WATER INJECTION	46			
7		dirt	COLLAR	47			
8				48			
9	19s	chunky	PERCUSSION	49			
10	49s	medium	ROTATION	50			
11				51			
12	20s	medium	PERCUSSION	52			
13				53			
14				54			
15	20s	soft	PERCUSSION	55			
16				56			
17				57			
18				58			
19				59			
20	1m09s	soft	PERCUSSION	60			
21				61			
22				62			
23				63			
24				64			
25	1m21s	hard	PERCUSSION	65			
26	15s	hard	PERCUSSION	66			
27				67			
28	49s	med hard	PERCUSSION	68			
29				69			
30			SEAMY	70			
31			AND	71			
32			BROKEN	72			
33	1m42s	med hard	PERCUSSION	73			
34				74			
35				75			
36				76			
37				77			
38				78			
39				79			
40				80			

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INVESTIGATIVE DRILL LOGS

HOLE LOCATION: N34.02734 W 117.40810

JOB# 4257	HOLE #12	DRILL CALIBRATIONS	
DATE: 5/13/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838	
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI	
Marginal:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI	
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000	

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41			
2				42			
3				43			
4				44			
5				45	1m17s	medium	PERCUSSION
6				46			
7				47			
8				48			GREY
9				49			
10				50	1m	med hard	PERCUSSION
11			WATERINJECTION	51			
12			COLLAR	52			
13				53			
14				54			
15	42s	medium	PERCUSSION	55	1m	med hard	PERCUSSION
16				56			
17				57			
18			BROWN GREY	58		XTRA hard	DARK GREY
19				59			
20	49s	medium	PERCUSSION	60	1m26s	hard	PERCUSSION
21				61			
22				62			
23				63			
24				64			
25	53s	soft	ROTATION	65			
26				66			
27				67			
28				68			
29				69			
30				70			
31				71			
32	1m03s	medium	PERCUSSION	72			
33				73			
34			GREY	74			
35				75			
36				76			
37				77			
38				78			
39				79			
40	1m07s	medium	PERCUSSION	80			

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INVESTIGATIVE DRILL LOGS

HOLE LOCATION: N 34.01797 W 117.41135

JOB# 4257	HOLE #13	DRILL CALIBRATIONS
DATE: 5/14/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI
Marginal:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41			
2				42			DARK GREY
3				43			
4			WATER INJECTION	44			
5		medium	COLLAR	45	1m52s	hard	PERCUSSION
6				46			
7		med hard		47			
8				48			
9				49			
10	1m14s	hard	PERCUSSION	50	2m05s	hard	PERCUSSION
11	16s	hard	PERCUSSION	51			
12				52			
13				53			
14				54	2m14s	hard	PERCUSSION
15	1m06s	hard	PERCUSSION	55			
16				56		XTRA hard	
17				57			DARK GREY
18				58			
19				59			
20	1m21s	hard	PERCUSSION	60	3m27s	XTRA hard	PERCUSSION
21				61			
22			GREY	62			
23				63			DARK GREY
24				64			
25	1m12s	hard	PERCUSSION	65	2m45s	XTRA hard	PERCUSSION
26				66			
27		xtra hard	DARK GREY	67			
28				68			
29				69			
30	1m25s	hard	PERCUSSION	70			
31				71			
32			DARK GREY	72			
33				73			
34				74			
35	1m20s	hard	PERCUSSION	75			
36				76			
37			DARK GREY	77			
38				78			
39				79			
40	1m30s	hard	PERCUSSION	80			

The following Data contains estimated Rippable/Marginal and Marginal/Blasting Horizons are based upon experience in Massive Homogeneous Granite Rock Types. Deviations due to changes in geologic formations, bedding planes, joints sets, faulting or hydrological conditions as well as ripper equipment types and conditions can result in wide variances in either direction in the actual rippability limits encountered.

DRAFT

Earth, Construction, & Mining
CA LIC. No. 651848
NV LIC. NO. 0071919

E C M

11542 Knott Street #10, Garden Grove CA 92841
PH: 714-897-4ECM [4326] · FX: 714-897-2016

INVESTIGATIVE DRILL LOGS

HOLE LOCATION: N 34.01797 W 117.41278

JOB# 4257	HOLE #14		DRILL CALIBRATIONS
DATE: 5/14/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838	
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI	
Marginal:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI	
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000	

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41			
2				42			
3				43			
4			WATER INJECTION	44			
5		soft med	COLLAR	45			
6				46			
7				47			
8			GREY	48			
9				49			
10	1m37s	med soft	PERCUSSION	50			
11		medium		51			
12		hard		52			
13		XTRA hard		53			
14				54			
15	2m12s	XTRA hard	PERCUSSION	55			
16				56			
17				57			
18			DARK GREY	58			
19				59			
20	2M30S	XTRA hard	PERCUSSION	60			
21				61			
22				62			
23				63			
24				64			
25	2M09S	hard	PERCUSSION	65			
26				66			
27				67			
28				68			
29				69			
30	1M55S	hard	PERCUSSION	70			
31				71			
32				72			
33				73			
34				74			
35				75			
36				76			
37				77			
38				78			
39				79			
40				80			

The following Data contains estimated Rippable/Marginal and Marginal/Blasting Horizons are based upon experience in Massive Homogeneous Granite Rock Types. Deviations due to changes in geologic formations, bedding planes, joints sets, faulting or hydrological conditions as well as ripper equipment types and conditions can result in wide variances in either direction in the actual rippability limits encountered.

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11542 Knott Street #10, Garden Grove CA 92841
PH: 714-897-4ECM [4326] · FX: 714-897-2016

INVESTIGATIVE DRILL LOGS

HOLE #15 LOCATION: N34.01967 W 117.41215			
JOB# 4257	HOLE #15	DRILL CALIBRATIONS	
DATE: 5/14/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838	
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI	
Marginal:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI	
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000	

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41			
2				42			
3				43			
4			WATER INJECTION	44			
5		medium	COLLAR	45			
6				46			
7				47			
8				48			
9				49			
10	1m46s	med hard	PERCUSSION	50			
11				51			
12				52			
13				53			
14				54			
15	1m25s	hard	PERCUSSION	55			
16				56			
17				57			
18				58			
19				59			
20	1m40s	hard	PERCUSSION	60			
21				61			
22				62			
23				63			
24				64			
25	1m14s	hard	PERCUSSION	65			
26				66			
27				67			
28				68			
29				69			
30				70			
31				71			
32				72			
33				73			
34				74			
35				75			
36				76			
37				77			
38				78			
39				79			
40				80			

The following Data contains estimated Rippable/Marginal and Marginal/Blasting Horizons are based upon experience in Massive Homogeneous Granite Rock Types. Deviations due to changes in geologic formations, bedding planes, joints sets, faulting or hydrological conditions as well as ripper equipment types and conditions can result in wide variances in either direction in the actual rippability limits encountered.

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11542 Knott Street #10, Garden Grove CA 92841
PH: 714-897-4ECM [4326] · FX: 714-897-2016

INVESTIGATIVE DRILL LOGS

HOLE #16 LOCATION: N 34.02518 W 117.40664

JOB# 4257	HOLE #16	DRILL CALIBRATIONS
DATE: 5/14/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI
Marginal:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41			
2				42			
3				43			
4			BROWN GREY	44			
5				45	1m39s	hard	PERCUSSION
6			WATERINJECTION	46			
7		med soft	COLLAR	47			
8				48			GREY
9				49			
10				50	1m51s	hard	PERCUSSION
11				51			
12	52s	medium	PERCUSSION	52			
13				53			
14				54			
15	1m34s	medium	PERCUSSION	55			
16				56			
17				57			
18			GREY	58			
19				59			
20	1m50s	med hard	PERCUSSION	60			
21				61			
22				62			
23				63			
24				64			
25	1m40s	medium	PERCUSSION	65			
26				66			
27				67			
28				68			
29				69			
30	1m31s	medium	PERCUSION	70			
31				71			
32		med hard		72			
33				73			
34				74			
35	1m44s	hard	PERCUSSION	75			
36				76			
37				77			
38				78			
39				79			
40	1m01s	hard	PERCUSSION	80			

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INVESTIGATIVE DRILL LOGS

HOLE #17 LOCATION: N 34.02313 W 117.40657

JOB# 4257	HOLE #17	DRILL CALIBRATIONS
DATE: 5/14/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838
RIPPABLE:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI
Marginal:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41			
2				42			
3				43			
4				44			
5				45			
6			WATER INJECTION	46			
7		med soft	COLLAR	47			
8				48			
9				49			
10		medium		50			
11				51			
12	50s	hard	PERCUSSION	52			
13				53			
14				54			
15	45s	hard	PERCUSSION	55			
16				56			
17				57			
18			GREY	58			
19				59			
20	1m18s	hard	PERCUSSION	60			
21				61			
22				62			
23				63			
24				64			
25	1m27s	hard	PERCUSSION	65			
26				66			
27				67			
28				68			
29				69			
30	1m23s	hard	PERCUSSION	70			
31				71			
32				72			
33			BROWN GREY	73			
34				74			
35	1m16s	hard	PERCUSSION	75			
36				76			
37				77			
38				78			
39				79			
40				80			

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CA LIC. No. 651848
NV LIC. NO. 0071919

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PH: 714-897-4ECM [4326] · FX: 714-897-2016

INVESTIGATIVE DRILL LOGS

HOLE #18 LOCATION: N 34.02293 W 117.40349			
JOB# 4257	HOLE #18	DRILL CALIBRATIONS	
DATE: 5/14/13		DRILL MAKE/MODEL: INGERSAL RAND ECM 720 CRAWLER DRILL #838	
RIPPABLE/OVERBURDEN:		NEUTRAL NO LOAD: FEED 500 PSI / ROTATION 100 PSI	
MARGINAL:		ROTATION UNDER LOAD: FEED 500 PSI / ROTATION 900 PSI	
PROBABLE BLASTING:		DRILL W/PERCUSION : PERCUSSION 1200 PSI / FEED 800 PSI / ROTATION 1000	

DEPTH	TIME	RQ	NOTES	DEPTH	TIME	RQ	NOTES
1				41		Xxtra hard	
2				42			
3				43			GREY
4				44			
5				45	3m41s	Xxtra hard	PERCUSSION
6			WATER INJECTION	46			
7		soft	COLLAR	47			
8				48			
9				49			
10				50			
11				51			
12	1m05s	med soft	PERCUSSION	52			
13				53			
14				54			
15			GREY	55			
16				56			
17	1m19s	med hard	PERCUSSION	57			
18				58			
19				59			
20		M		60			
21				61			
22	1m43s	hard	PERCUSSION	62			
23				63			
24				64			
25				65			
26	1m45s	hard	PERCUSSION	66			
27				67			
28				68			
29				69			
30				70			
31	2m19s	XTRA hard	PERCUSSION	71			
32				72			
33			DARK GREY	73			
34				74			
35				75			
36	1m38s	hard	PERCUSSION	76			
37				77			
38				78			
39				79			
40	1m45s	XTRA hard	PERCUSSION	80			

The following Data contains estimated Rippable/Marginal and Marginal/Blasting Horizons are based upon experience in Massive Homogeneous Granite Rock Types. Deviations due to changes in geologic formations, bedding planes, joints sets, faulting or hydrological conditions as well as ripper equipment types and conditions can result in wide variances in either direction in the actual rippability limits encountered.

Percolation Test Calculation Sheet

Adapted from San Bernardino County WQMP Appendix D, dated May 19, 2011

Project Name: Richland Rio Vista
Project No.: 10270.002
Prepared by: Jay Dupre
Date Prepared: 8/13/2015

Test Hole No.	Δt (min.)	D_0 (in.)	D_f (in.)	ΔD (in.)	D_T (in.)	Boring Diameter (in.)	5 Gallon Bottle Diameter (in.)	ΔV_{BOTTLE} ($in.^3$)	Q ($in.^3$/hr)	SA_{BORING} ($in.^2$)	I_t (in./hr)
TP-1	6	-6.00	0.00	6.00	20.00	6.0	10.0	471	4712	405.27	11.63
TP-1	7	-14.00	-8.00	6.00	20.00	6.0	10.0	471	4039	405.27	9.97
TP-1	10	-8.00	-1.00	7.00	20.00	6.0	10.0	550	3299	405.27	8.14
TP-1	10	-14.00	-7.00	7.00	20.00	6.0	10.0	550	3299	405.27	8.14
TP-1	10	-7.00	0.00	7.00	20.00	6.0	10.0	550	3299	405.27	8.14
TP-1	10	-13.00	-8.50	4.50	20.00	6.0	10.0	353	2121	405.27	5.23
TP-1	10	-8.50	-2.50	6.00	20.00	6.0	10.0	471	2827	405.27	6.98
TP-1	10	-14.00	-10.00	4.00	20.00	6.0	10.0	314	1885	405.27	4.65
TP-1	10	-10.00	-5.00	5.00	20.00	6.0	10.0	393	2356	405.27	5.81
TP-4	3	-13.00	-7.00	6.00	20.00	6.0	10.0	471	9425	405.27	23.26
TP-4	3	-7.00	-1.00	6.00	20.00	6.0	10.0	471	9425	405.27	23.26
TP-4	10	-12.00	-2.00	10.00	20.00	6.0	10.0	785	4712	405.27	11.63
TP-4	10	-13.50	-6.50	7.00	20.00	6.0	10.0	550	3299	405.27	8.14
TP-4	10	-6.50	1.50	8.00	20.00	6.0	10.0	628	3770	405.27	9.30
TP-4	10	-12.00	-3.50	8.50	20.00	6.0	10.0	668	4006	405.27	9.88
TP-4	10	-3.50	4.50	8.00	20.00	6.0	10.0	628	3770	405.27	9.30
TP-4	10	-9.50	-2.00	7.50	20.00	6.0	10.0	589	3534	405.27	8.72

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Results of Well Permeameter, from USBR 7300-89 Method.

Leighton

Project:	Rio Vista # 10270.002
Exploration #/Location:	LB-1
Depth Boring drilled to (ft):	15
Tested by:	BER
USCS Soil Type:	
Weather (start to finish)	Sunny
Liquid Used/pH:	Hydrant H_2O
Diameter of barrel (in.):	22.5
No. of Supply barrels:	1
Measured boring diameter	9 in.
Approx Depth to GW below GS	100 ft
Well Prep:	Straight Drilled

Approx Ht from water surface to top of float assembly (in.): #N/A

Approx float assem length (w/out extension), in.: #N/A

	a.*	b.*
Initial estimated Depth to Water Surface (in.):	#N/A	#N/A
Initial est. depth of water in well, "h" (in.):	#N/A	#N/A
approx. h/r (prelim):	#N/A	#N/A
Tu (Fig. 8):	#N/A	
Tu>3h?:	#N/A	

397.4 Total Area of barrels (in.^2):

4.5 Well Radius, "r"

*a. Est. by measurements from top of float assm.

*b. Est. by measurements from top of sand

	ft	in.	(total)		
Depth to Bot of well (or top of soil over Bentonite)	15. ft	0. in.	180		
Depth to top of dry sand before casing install	10. ft	8. in.	128	52	sand thickness
Length of casing			0		
Casing stickup (+ is above ground)			0	80	sand thickness
Depth to Top of Sand from top of casing	8. ft	4. in.	100	100 0	check by casing length
Pilot Tube stickup (+ is above ground)		48. in.	48		
Depth to top of float assembly from top of pilot tube	9. ft	9. in.	117	69 Depth below GS (in.)	
Float Assembly ID	D				
Float assembly Extension length (in.)		34			

Field Data | **Calculations**

Date	Time	Water Level in Supply Barrel (in.)	Depth to WL in Boring (measured from top of pilot tube)		Water Temp (deg F)	Comments	Δt (min)	Total Elapsed Time (min.)	Depth to WL in well (in.)	h, Height of Water in Well (in.)	Δh (in.)	Avg. h	Vol Change (in.^3)			Flow (in^3/ min)	q, Flow (in^3/ hr)	V (Fig 9)	K20, Coef. Of Perme-ability at 20 deg C (in./hr)	Infiltration Rate [flow/surf area] (in./hr) (FS=1)
Start Date	Start time:		ft	in.		(or "y" for DL interpre-tation)							from barrels	from Δh	Total					
7/22/2015	8:12 AM																			
-									#N/A	#N/A	<--est. from setup measurements									
7/22/15	8:12	27	11.92		77			0	95.0	85.0										
7/22/15	8:39	16.625	11.8		77		27	27	93.6	86.4	1.44	86	4123	-43	4080	151	9067	0.9	0.45	**3.15**
7/22/15	8:52	13	11.81		78		13	40	93.7	86.3	-0.12	86	1441	4	1444	111	6665	0.9	0.33	**2.27**
7/22/15	8:55	30.625	11.77		78			43	93.2	86.8										
7/22/15	9:10	27	11.77		78		15	58	93.2	86.8	0	87	1441	0	1441	96	5762	0.9	0.28	**1.95**
7/22/15	10:09	12.25	11.78		81		59	117	93.4	86.6	-0.12	87	5862	4	5865	99	5965	0.8	0.28	**1.95**
7/22/15	10:14	31.125	11.78		81			122	93.4	86.6	0	87	7501	0	7501			0.8		
7/22/15	11:34	10.625	11.8		85		80	202	93.6	86.4	-0.24	87	8147	7	8154	102	6115	0.8	0.28	**1.92**
7/22/15	11:40	30.625	11.8		82			208	93.6	86.4										
7/22/15	12:44	13.375	11.8		86		64	272	93.6	86.4	0	86	6855	0	6855	107	6427	0.8	0.29	**2.00**
7/22/15	12:50	30.625	11.76		83			278	93.1	86.9										
7/22/15	13:44	16.375	11.79		86		54	332	93.5	86.5	-0.36	87	5663	11	5674	105	6304	0.8	0.28	**1.96**

DRAFT

Results of Well Permeameter, from USBR 7500-89 Method.

Leighton

Project:	Rio Vista # 10270.002
Exploration #/Location:	LB-2
Depth Boring drilled to (ft):	30
Tested by:	BER
USCS Soil Type:	
Weather (start to finish)	Sunny
Liquid Used/pH:	Hydrant H_2O
Diameter of barrel (in.):	22.5
No. of Supply barrels:	1
Measured boring diameter	9 in.
Approx Depth to GW below GS	100 ft
Well Prep:	Straight Drilled

Approx Ht from water surface to top of float assembly (in.): #N/A

Approx float assem length (w/out extension), in.: #N/A

	a.*	b.*
Initial estimated Depth to Water Surface (in.):	#N/A	#N/A
Initial est. depth of water in well, "h" (in.):	#N/A	#N/A
approx. h/r (prelim):	#N/A	#N/A

Tu (Fig. 8): #N/A

Tu>3h?: #N/A

397.4 Total Area of barrels (in.^2):

4.5 Well Radius, "r"

*a. Est. by measurements from top of float assm.

*b. Est. by measurements from top of sand

	ft	in.	(total)			
Depth to Bot of well (or top of soil over Bentonite)	30. ft	0. in.	360			
Depth to top of dry sand before casing install	22. ft	5. in.	269		91	sand thickness
Length of casing			0			
Casing stickup (+ is above ground)			0		128	sand thickness
Depth to Top of Sand from top of casing	19. ft	4. in.	232	232	0	check by casing length
Pilot Tube stickup (+ is above ground)		36. in.	36			
Depth to top of float assembly from top of pilot tube	20. ft		240	204	Depth below GS (in.)	
Float Assembly ID	B					
Float assembly Extension length (in.)		30				

Field Data **Calculations**

Date	Time	Water Level in Supply Barrel (in.)	Depth to WL in Boring (measured from top of pilot tube)		Water Temp (deg F)	Comments (or "y" for DL interpre-tation)	Δt (min)	Total Elapsed Time (min.)	Depth to WL in well (in.)	h, Height of Water in Well (in.)	Δh (in.)	Avg. h	Vol Change (in.^3)			Flow (in^3/ min)	q, Flow (in^3/ hr)	V (Fig 9)	K20, Coef. Of Perme-ability at 20 deg C (in./hr)	Infiltration Rate [flow/surf area] (in./hr) (FS=1)
Start Date	Start time:		ft	in.									from barrels	from Δh	Total					
7/22/2015	9:04 AM																			
-									#N/A	#N/A	<--est. from setup measurements									
7/22/15	9:04	25.375	22.35		78			0	232.2	127.8										
7/22/15	10:19	18	21.99		80		75	75	227.9	132.1	4.32	130	2931	-128	2803	37	2242	0.8	0.05	**0.50**
7/22/15	10:25	31.75	22		80			81	228.0	132.0										
7/22/15	11:43	27.5	22.22		83		78	159	230.6	129.4	-2.64	131	0	78	78	1	60	0.8	0.00	**0.01**
7/22/15	12:54	23.5	22.19		85		71	230	230.3	129.7	0.36	130	0	-11	-11	0	-9	0.8	0.00	**0.00**
7/22/15	13:48	20.5	22.19		86		54	284	230.3	129.7	0	130	0	0	0	0	0	0.8	0.00	**0.00**

DRAFT

Results of Well Permeameter, from USBR 7300-89 Method.

Leighton

Project:	Rio Vista # 10270.002
Exploration #/Location:	LB-3
Depth Boring drilled to (ft):	12
Tested by:	BER
USCS Soil Type:	
Weather (start to finish)	Sunny
Liquid Used/pH:	Hydrant H_2O
Diameter of barrel (in.):	22.5
No. of Supply barrels:	1
Measured boring diameter	9 in.
Approx Depth to GW below GS	100 ft
Well Prep:	Straight Drilled

Approx Ht from water surface to top of float assembly (in.): #N/A

Approx float assem length (w/out extension), in.: #N/A

	a.*	b.*
Initial estimated Depth to Water Surface (in.):	#N/A	#N/A
Initial est. depth of water in well, "h" (in.):	#N/A	#N/A
approx. h/r (prelim):	#N/A	#N/A

Tu (Fig. 8): #N/A

Tu>3h?: #N/A

397.4 Total Area of barrels (in.^2):

4.5 Well Radius, "r"

*a. Est. by measurements from top of float assm.

*b. Est. by measurements from top of sand

	ft	in.	(total)		
Depth to Bot of well (or top of soil over Bentonite)	12. ft	0. in.	144		
Depth to top of dry sand before casing install	9. ft	1. in.	109	35	sand thickness
Length of casing			0		
Casing stickup (+ is above ground)			0	72	sand thickness
Depth to Top of Sand from top of casing	6. ft		72	72 0	check by casing length
Pilot Tube stickup (+ is above ground)		42. in.	42		
Depth to top of float assembly from top of pilot tube	7. ft	9. in.	93	51 Depth below GS (in.)	
Float Assembly ID	F				
Float assembly Extension length (in.)		24			

Field Data **Calculations**

Date	Time	Water Level in Supply Barrel (in.)	Depth to WL in Boring (measured from top of pilot tube)		Water Temp (deg F)	Comments (or "y" for DL interpre-tation)	Δt (min)	Total Elapsed Time (min.)	Depth to WL in well (in.)	h, Height of Water in Well (in.)	Δh (in.)	Avg. h	Vol Change (in.^3)			Flow (in^3/ min)	q, Flow (in^3/ hr)	V (Fig 9)	K20, Coef. Of Perme-ability at 20 deg C (in./hr)	Infiltration Rate [flow/surf area] (in./hr) (FS=1)
Start Date	Start time:		ft	in.									from barrels	from Δh	Total					
7/22/2015	11:14 AM																			
-									#N/A	#N/A	<--est. from setup measurements									
7/22/15	11:14	28.625	9.25		81			0	69.0	75.0										
7/22/15	11:26	25.125	9.36		81		12	12	70.3	73.7	-1.32	74	1391	39	1430	119	7150	0.8	0.44	**2.71**
7/22/15	12:03	18.625	9.34		84		37	49	70.1	73.9	0.24	74	2583	-7	2576	70	4177	0.8	0.25	**1.55**
7/22/15	12:07	30	9.35		83			53	70.2	73.8										
7/22/15	13:15	19.75	9.35		86		68	121	70.2	73.8	0	74	4073	0	4073	60	3594	0.8	0.21	**1.30**
7/22/15	14:10	12.125	9.39		88		55	176	70.7	73.3	-0.48	74	3030	14	3044	55	3321	0.8	0.19	**1.19**
7/22/15	14:14	31.375	9.33		85			180	70.0	74.0	0.72	74	7650	-21	7629			0.8		
7/22/15	15:03	24.75	9.36		87		49	229	70.3	73.7	-0.36	74	2633	11	2643	54	3237	0.8	0.19	**1.16**
7/22/15	16:07	16.125	9.35		90		64	293	70.2	73.8	0.12	74	3428	-4	3424	54	3210	0.8	0.18	**1.13**

DRAFT

Results of Well Permeameter, from USBR 7300-89 Method.

Leighton

Project:	Rio Vista # 10270.002
Exploration #/Location:	LB-4
Depth Boring drilled to (ft):	30
Tested by:	BER
USCS Soil Type:	
Weather (start to finish)	Sunny
Liquid Used/pH:	Hydrant H_2O
Diameter of barrel (in.):	22.5
No. of Supply barrels:	1
Measured boring diameter	8 in.
Approx Depth to GW below GS	100 ft
Well Prep:	Straight Drilled

Approx Ht from water surface to top of float assembly (in.): #N/A

Approx float assem length (w/out extension), in.: #N/A

	a.*	b.*
Initial estimated Depth to Water Surface (in.):	#N/A	#N/A
Initial est. depth of water in well, "h" (in.):	#N/A	#N/A
approx. h/r (prelim):	#N/A	#N/A

Tu (Fig. 8): #N/A

Tu>3h?: #N/A

397.4 Total Area of barrels (in.^2):

4 Well Radius, "r"

*a. Est. by measurements from top of float assm.

*b. Est. by measurements from top of sand

	ft	in.	(total)			
Depth to Bot of well (or top of soil over Bentonite)	30. ft	0. in.	360			
Depth to top of dry sand before casing install	23. ft	9. in.	285		75	sand thickness
Length of casing			0			
Casing stickup (+ is above ground)			0		108	sand thickness
Depth to Top of Sand from top of casing	21. ft		252	252	0	check by casing length
Pilot Tube stickup (+ is above ground)		6. in.	6			
Depth to top of float assembly from top of pilot tube	18. ft	8. in.	224	218 Depth below GS (in.)		
Float Assembly ID	A					
Float assembly Extension length (in.)		30				

Field Data | **Calculations**

Date	Time	Water Level in Supply Barrel (in.)	Depth to WL in Boring (measured from top of pilot tube)		Water Temp (deg F)	Comments (or "y" for DL interpre-tation)	Δt (min)	Total Elapsed Time (min.)	Depth to WL in well (in.)	h, Height of Water in Well (in.)	Δh (in.)	Avg. h	Vol Change (in.^3)			Flow (in^3/ min)	q, Flow (in^3/ hr)	V (Fig 9)	K20, Coef. Of Perme-ability at 20 deg C (in./hr)	Infiltration Rate [flow/surf area] (in./hr) (FS=1)
Start Date	Start time:		ft	in.									from barrels	from Δh	Total					
7/22/2015	10:52 AM																			
-									#N/A	#N/A	<--est. from setup measurements									
7/22/15	10:52	24.125	21.25		80			0	249.0	111.0										
7/22/15	11:18	11.25	21.3		82		26	26	249.6	110.4	-0.6	111	5117	15	5131	197	11841	0.8	0.38	**3.40**
7/22/15	11:22	30.25	21.36		81			30	250.3	109.7										
7/22/15	11:55	17.875	21.29		84		33	63	249.5	110.5	0.84	110	4918	-20	4897	148	8904	0.8	0.28	**2.52**
7/22/15	11:59	30.375	21.31		83			67	249.7	110.3										
7/22/15	13:06	6.125	21.38		86		67	134	250.6	109.4	-0.84	110	9637	20	9658	144	8649	0.8	0.27	**2.40**
7/22/15	13:11	31	21.32		82			139	249.8	110.2										
7/22/15	13:35	22.375	21.35		84		24	163	250.2	109.8	-0.36	110	3428	9	3436	143	8591	0.8	0.27	**2.43**
7/22/15	14:02	12.625	21.35		85		27	190	250.2	109.8	0	110	3875	0	3875	144	8610	0.8	0.27	**2.41**
7/22/15	14:06	30.375	21.32		84			194	249.8	110.2										
7/22/15	14:54	12.5	21.32		87		48	242	249.8	110.2	0	110	7104	0	7104	148	8880	0.8	0.27	**2.44**
7/22/15	14:59	30	21.35		85			247	250.2	109.8										
7/22/15	15:40	15	21.35		87		41	288	250.2	109.8	0	110	5961	0	5961	145	8724	0.8	0.27	**2.40**

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BYERLY, 2006

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Boring 1

Boring Date: 10/19/05
Surface Elevation:
Drilling Method: Flight-auger

Depth	SPT Blows Per Foot	Driving Energy (k-ft/ft)	Dry Density (PCF)	Moisture Content (%)	Rel. Compaction (%)	Water Table		
0	2.8	105	4.2	79		SM	Brown silty fine to medium sand, damp and loose
	4.2	106	3.1	80			
5	6.0	112	3.2	84			
	14.0	119	11.3	89		SM	Red-brown silty fine to medium sand, moist and medium dense
10	12.6	117	11.1	88			
15	10.5	115	6.5	86			- becoming damp at 15.5 feet
20	42.0	125	3.7	94			- becoming very dense at 20.5 feet
25	35.0	---	---	---		END	Total Depth at 26.0 Feet No Free Groundwater Encountered
30							
35							

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LOG OF BORING

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DRAFT

Boring 2

Boring Date: 10/19/05
Surface Elevation:
Drilling Method: Flight-auger

Depth	SPT Blows Per Foot	Driving Energy (k-ft/ft)	Dry Density (PCF)	Moisture Content (%)	Rel. Compaction (%)	Water Table		
0	3.2	112	5.4	84			SM	Brown silty fine to medium sand, slightly porous, damp and loose
	4.9	110	7.6	83				- becoming moist at 3.5 feet
5	26.3	120	10.3	90				- becoming dense at 5.5 feet
	2.5	110	6.7	82			SM	Brown and gray-brown silty fine to coarse sand, damp and loose
10	3.2	112	6.7	83				
15	26.3	118	7.5	89			SM	Brown silty fine to medium sand, moist and medium dense
20	20.0	114	3.9	86				- becoming damp at 20.5 feet
25	52.5	121	5.2	91				- becoming dense to very dense at 25.0 feet
30							END	Total Depth at 26.0 Feet No Free Groundwater Encountered
35								

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LOG OF BORING

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Boring 3

Boring Date: 10/19/05
Surface Elevation:
Drilling Method: Flight-auger

Depth	SPT Blows Per Foot	Driving Energy (k-ft/ft)	Dry Density (PCF)	Moisture Content (%)	Rel. Compaction (%)	Water Table		
0	2.5	96	4.1	72		SM	Orange-brown silty fine to medium sand, slightly porous, damp and loose
	3.5	100	5.1	75			
5	7.7	119	13.3	89			- becoming moist and medium dense at 5.5 feet
	3.9	110	11.5	83			- becoming loose at 7.5 feet
10	4.9	113	8.8	85			- becoming medium dense at 10.5 feet
15	7.7	117	4.3	87		SM	Brown silty fine to coarse sand with gravel, damp and medium dense
20	21.0	122	5.9	90			- becoming dense at 20.5 feet
25	21.0	122	3.3	90			
30	26.3	126	4.4	93		END	Total Depth at 31.0 Feet No Free Groundwater Encountered
35							

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LOG OF BORING

DRAFT

Boring 4

Boring Date: 10/19/05
Surface Elevation:
Drilling Method: Flight-auger

Depth	SPT Blows Per Foot	Driving Energy (k-ft/ft)	Dry Density (PCF)	Moisture Content (%)	Rel. Compaction (%)	Water Table		
0	7.4	114	3.0	84			SM	Brown and dark brown silty fine to coarse sand, damp and loose
	10.9	116	4.0	87			SM	Brown silty fine to medium sand, damp and medium dense
5	12.6	117	6.7	88			SM	Red-brown silty fine to coarse sand, damp and medium dense
	10.9	116	3.0	86				
10	26.3	123	2.9	91			BR	Gray and gray-brown weathered granitic rock, dry and dense
15							END	Total Depth at 15.0 Feet No Free Groundwater Encountered
20								
25								
30								
35								

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LOG OF BORING

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Boring 5

Boring Date: 10/19/05
Surface Elevation:
Drilling Method: Flight-auger

Depth	SPT Blows Per Foot	Driving Energy (k-ft/ft)	Dry Density (PCF)	Moisture Content (%)	Rel. Compaction (%)	Water Table		
0							SM	Red-brown silty fine to medium sand, moist and loose
2	16.1	120	7.7	89			BR	Gray-brown weathered granitic rock, moist and medium dense
4	26.3	126	6.0	93				- becoming damp and very dense at 3.5 feet
6								
8								
10								
12								
14							END	Refusal on Very Dense Rock at 7.0 Feet No Free Groundwater Encountered

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LOG OF BORING

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Boring 6

Boring Date: 10/19/05
Surface Elevation:
Drilling Method: Flight-auger

Depth	SPT Blows Per Foot	Driving Energy (k-ft/ft)	Dry Density (PCF)	Moisture Content (%)	Rel. Compaction (%)	Water Table		
0	2.8	105	2.7	78			SM	Brown silty fine to coarse sand, dry and loose
	6.0	112	4.4	83				- becoming damp at 3.5 feet
5	4.9	114	4.1	84				
	7.4	116	3.8	86				- becoming medium dense at 7.5 feet
10	30.0	122	6.6	90			BR	Gray-brown weathered granitic rock, damp and dense
								- becoming very dense at 14.0 feet
15	105.0	---	---	---			END	Total Depth at 15.5 Feet No Free Groundwater Encountered
20								
25								
30								
35								

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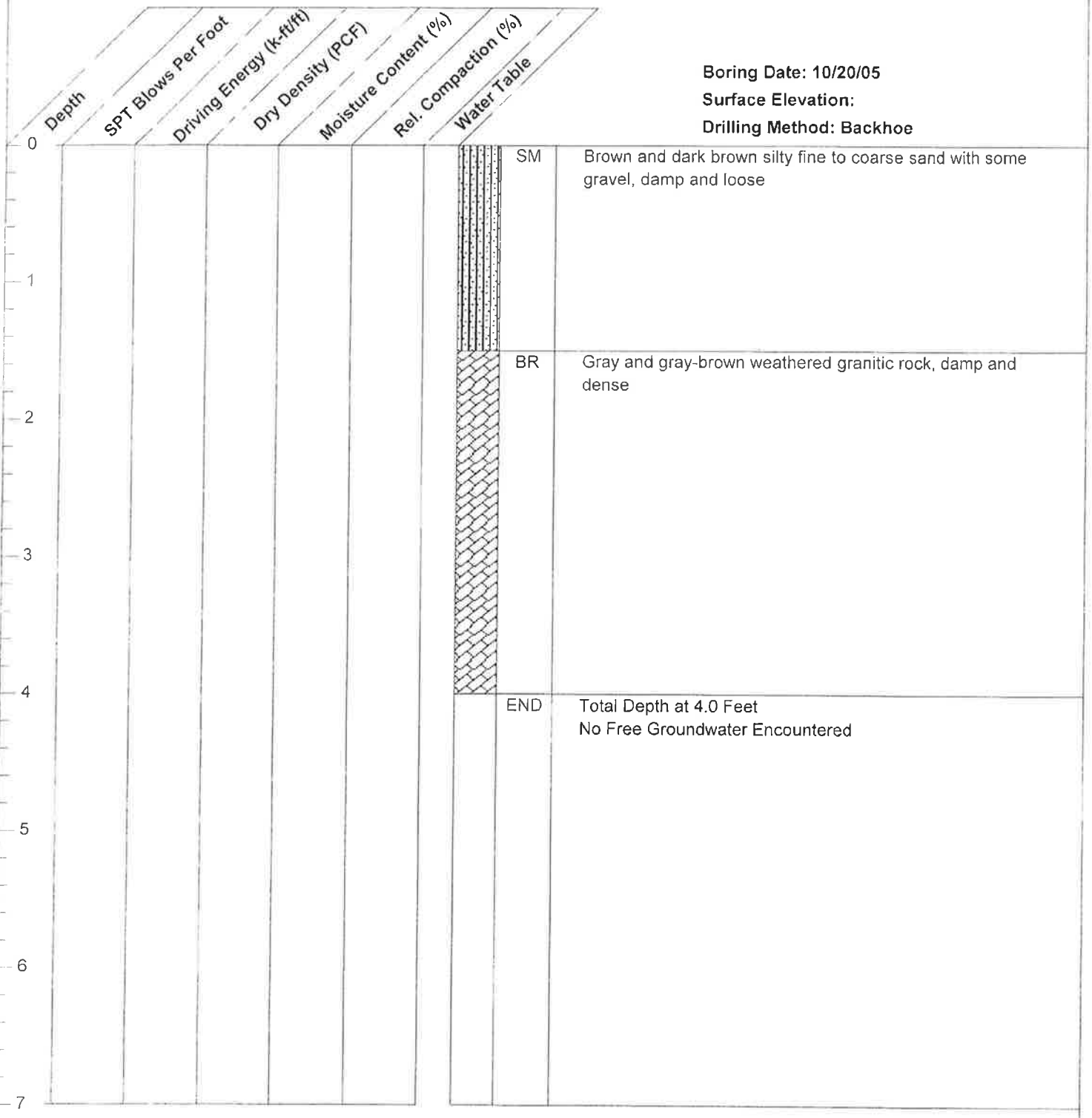
LOG OF BORING

DRAFT

Test Pit 1



Boring Date: 10/20/05
Surface Elevation:
Drilling Method: Backhoe

0	SM	Brown and dark brown silty fine to coarse sand with some gravel, damp and loose
1		
2	BR	Gray and gray-brown weathered granitic rock, damp and dense
3		
4	END	Total Depth at 4.0 Feet No Free Groundwater Encountered
5		
6		
7		

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DRAFT

Test Pit 2

Boring Date: 10/20/05
Surface Elevation:
Drilling Method: Backhoe

Depth	SPT Blows Per Foot	Driving Energy (k-ft/ft)	Dry Density (PCF)	Moisture Content (%)	Rel. Compaction (%)	Water Table		
0							SM	Dark brown silty fine to medium sand, damp and loose
1							BR	Gray-brown weathered granitic rock, damp and dense
2								
3								
4								
5								
6							END	Total Depth at 5.5 Feet No Free Groundwater Encountered
7								

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DRAFT

Test Pit 3

Boring Date: 10/20/05
Surface Elevation:
Drilling Method: Backhoe

Depth	SPT Blows Per Foot	Driving Energy (k-ft/ft)	Dry Density (PCF)	Moisture Content (%)	Rel. Compaction (%)	Water Table		
0							SM	Dark brown silty fine to coarse sand, damp and loose
2							SM	Gray and gray-brown silty fine to coarse sand with gravel, damp and loose
4								
6			105	5.2	78			
8								
10			---	4.8	---		BR	Gray weathered granitic rock, damp and dense
12							END	Total Depth at 12.0 Feet No Free Groundwater Encountered
14								

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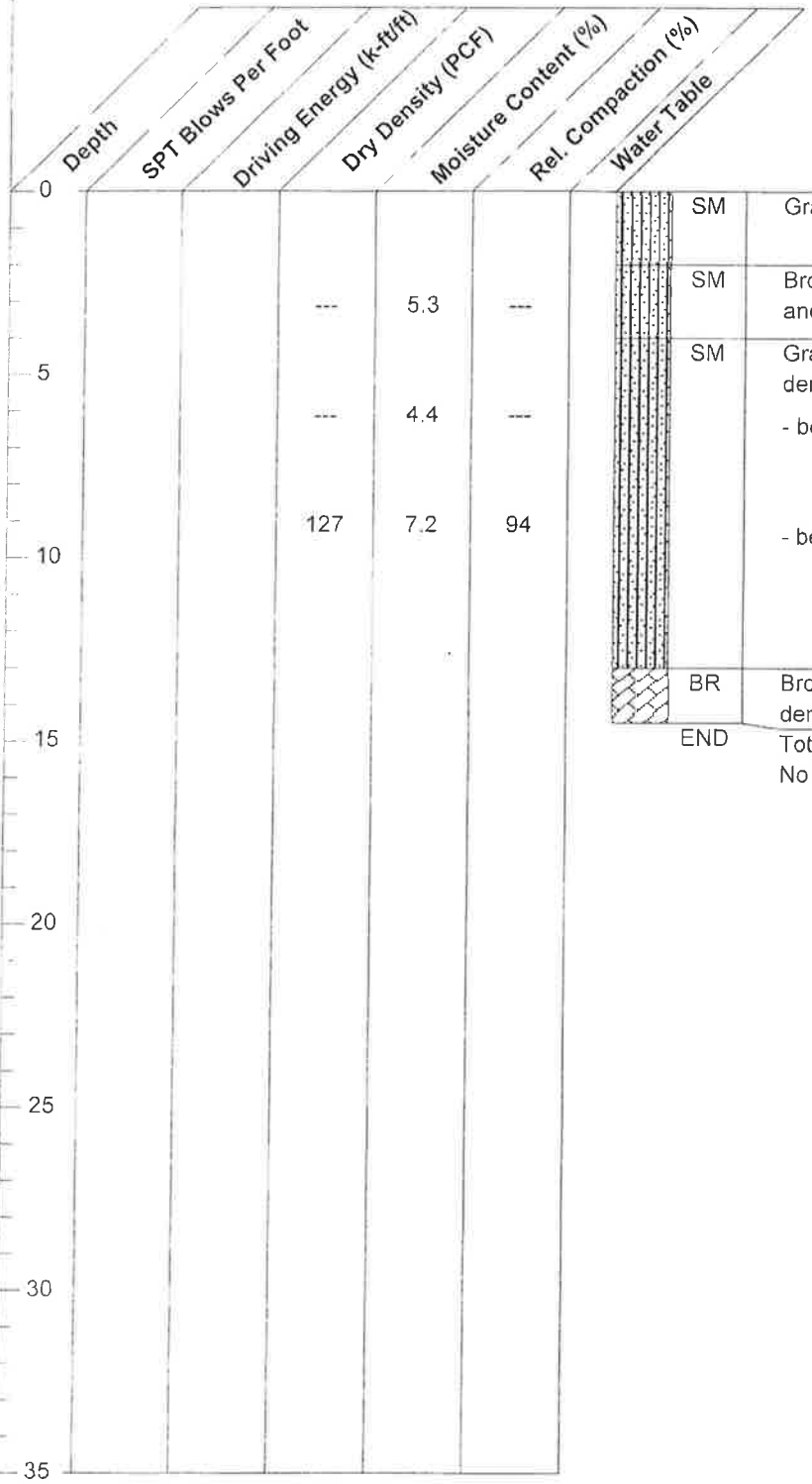
LOG OF BORING

DRAFT

Test Pit 4

Boring Date: 10/20/05
Surface Elevation:
Drilling Method: Backhoe



	SM	Gray-brown silty fine to coarse sand, damp and loose
	SM	Brown silty fine to medium sand with a trace of clay, damp and loose
	SM	Gray-brown silty fine to coarse sand, damp and medium dense - becoming slightly cemented at 6.0 feet - becoming moist and very dense at 9.0 feet
	BR	Brown and gray-brown weathered granitic rock, damp and dense
	END	Total Depth at 14.5 Feet No Free Groundwater Encountered

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LOG OF BORING

DRAFT

Test Pit 5

Depth | SPT Blows Per Foot | Driving Energy (k-ft/ft) | Dry Density (PCF) | Moisture Content (%) | Rel. Compaction (%) | Water Table

Boring Date: 10/20/05
Surface Elevation:
Drilling Method: Backhoe

0
1
2
3
4
5
6
7

SM	Brown and gray-brown silty fine to coarse sand with gravel and glass and metal fragments, damp and loose (FILL)
SP	Brown fine to coarse sand with a trace of silt, damp and medium dense (ORIGINAL GROUND)
BR	Brown and gray-brown weathered granitic rock, damp and very dense
END	Total Depth at 4.0 Feet No Free Groundwater Encountered

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LOG OF BORING

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Test Pit 6

Depth | SPT Blows Per Foot | Driving Energy (k-ft/ft) | Dry Density (PCF) | Moisture Content (%) | Rel. Compaction (%) | Water Table

Boring Date: 10/20/05
Surface Elevation:
Drilling Method: Backhoe

Depth		
0	SM	Brown silty fine to coarse sand with glass fragments, damp and loose (FILL)
1		
2	SM	Gray-brown silty fine to coarse sand, damp and medium dense (ORIGINAL GROUND)
3		- with some boulders below 3.5 feet
4	BR	Gray weathered granitic rock, damp and very dense
5		
6	END	Total Depth at 5.5 Feet No Free Groundwater Encountered
7		

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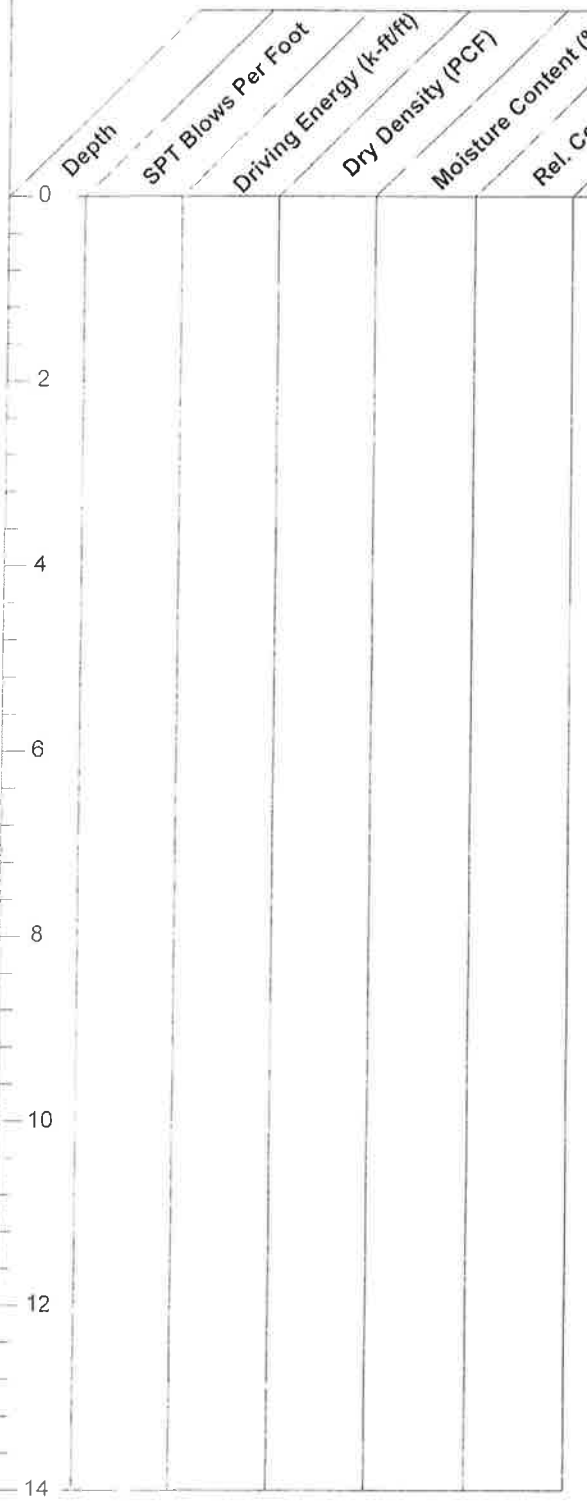
LOG OF BORING

DRAFT

Test Pit 7



Boring Date: 10/20/05
Surface Elevation:
Drilling Method: Backhoe

0	SM	Brown and dark brown silty fine to medium sand, damp and loose
4	SM	Dark brown silty fine to coarse sand with a trace of gravel, damp and medium dense
8	BR	Gray weathered granitic rock, damp and very dense
	END	Total Depth at 8.5 Feet No Free Groundwater Encountered

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LOG OF BORING

DRAFT

Test Pit 8

Boring Date: 10/20/05
Surface Elevation:
Drilling Method: Backhoe

Depth	SPT Blows Per Foot	Driving Energy (k-ft/ft)	Dry Density (PCF)	Moisture Content (%)	Rel. Compaction (%)	Water Table		
0							SM	Brown silty fine to coarse sand, damp and loose
1		---	105	4.3	78			
2								
3							SM	Brown silty fine to medium sand, damp and loose
4							BR	Gray weathered granitic rock, damp and very dense
5								
6							END	Total Depth at 5.5 Feet No Free Groundwater Encountered
7								

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LOG OF BORING

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DRAFT

Test Pit 9

Boring Date: 10/20/05
Surface Elevation:
Drilling Method: Backhoe

Depth	SPT Blows Per Foot	Driving Energy (k-ft/ft)	Dry Density (PCF)	Moisture Content (%)	Rel. Compaction (%)	Water Table		
0							SM	Dark brown silty fine to medium sand, slightly porous, moist and loose
1			99	9.2	73		SM	Red-brown silty fine to coarse sand, moist and loose
2							BR	Gray and gray-brown weathered granitic rock, damp and very dense
3								
4								
5							END	Total Depth at 4.5 Feet No Free Groundwater Encountered
6								
7								

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LOG OF BORING

DRAFT

Test Pit 10

Boring Date: 10/20/05
Surface Elevation:
Drilling Method: Backhoe

Depth	SPT Blows Per Foot	Driving Energy (k-ft/ft)	Dry Density (PCF)	Moisture Content (%)	Rel. Compaction (%)	Water Table		
0							SM	Dark brown silty fine to medium sand, slightly porous, damp and loose
2			100	3.0	75			
4			99	6.0	74			
6							BR	Gray and gray-brown weathered granitic rock, damp and dense
8								
							END	Total Depth at 8.5 Feet No Free Groundwater Encountered
10								
12								
14								

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LOG OF BORING

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GEOLABS, 1988

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Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: KK

Job Number: 7545
Test Pit No.: TP1
Elevation: 1040

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	[SM] BRN.-RED BRN., VERY SILTY F-M SAND, DAMP, LOOSE.
					2	
					3	
					4	
					5	
					6	
					7	
					8	
					9	LT. BRN., SILTY F-M SAND W/TRACE OF COARSE, DAMP, MOD. DENSE, CEMENTED.
					10	

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PLATE 3.1

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: KK

Job Number: 7545
Test Pit No.: TP2
Elevation: 1020

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	(SM) LT.BRN SLIGHTY SILTY F-M SAND, DRY, LOOSE
					2	
					3	RED/BRN. VERY SILTY F-M SAND, MOIST, LOOSE
					4	
					5	
					6	
					7	
					8	
					9	
					10	(SP) LT.BRN. F-C SAND W/TRACE OF SILT
					11	
					12	

PLATE 3.2

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: KK

Job Number: 7545
Test Pit No.: TP3
Elevation: 1035

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maxiaum Density %	Bulk Sample	Feet	Visual Classification
					1	(SM) LT.BRN SILTY F-C SAND, DRY LOOSE
					2	
					3	
					4	
					5	
					6	(SP) LT.BRN GRANITIC BEDROCK, FRACTURED DENSE
					7	

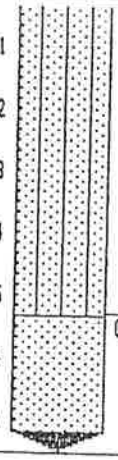

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PLATE 3.3

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: KK

Job Number: 7545
Test Pit No.: TP4
Elevation: 1040

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	[SM] LT. BRN. SILTY F-C SAND W/ ANGULAR GRAVELS AND COBBLES
					2	[SP] MOTTLED GRANITIC BEDROCK, MASSIVE, DENSE
					3	
					4	

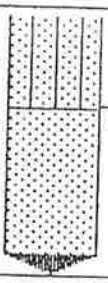

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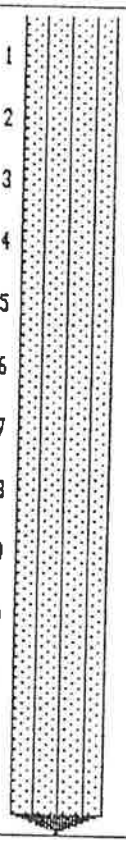
PLATE 3.4

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: KK

Job Number: 7545
Test Pit No.: TP5
Elevation: 1090

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	(SM) LT. BRN. SLIGHTLY SILTY F-C SAND, DAMP LOOSE, SLIGHTLY CEMENTED BELOW 11 FT.
					2	
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
					13	



DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: KK

Job Number: 7545
Test Pit No.: TP6
Elevation: 1200

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	[SM] TAN SILTY F-C SAND, DRY, LOOSE.
					2	TAN, F-C SAND, DRY, LOOSE.
					3	
					4	RED/BRN SILTY F-M SAND, MOIST, LOOSE.
					5	
					6	
					7	
					8	[SP] MOTTLED GRANITIC BEDROCK, SLIGHTLY WEATHERED
					9	
					10	

PLATE 3.6

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: KK

Job Number: 7545
Test Pit No.: TP7
Elevation: 1180

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	[SM] TAN SLIGHTLY SILTY F-C SAND, DRY LOOSE
					2	[SP] MOTTLED GRANITIC BEDROCK, SLIGHTLY WEATHERED
					3	

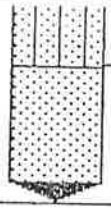


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PLATE 3.7

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: KK

Job Number: 7545
Test Pit No.: TP8
Elevation: 1100

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	[SM] LT.BRN. SILTY F-C SAND, DRY LOOSE
					2	[SP] MOTTLED GRANITIC BEDROCK
					3	

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PLATE 3.8

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: KK

Job Number: 7545
Test Pit No.: TP9
Elevation: 1200

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maxiaum Density %	Bulk Sample	Feet	Visual Classification
					1	[SM] LT. RED/BRN., SILTY F-M SAND, DRY, LOOSE.
					2	
					3	[SP] MOTTLED GRANITIC BEDROCK, SLIGHTLY WEATHERED
					4	
					5	

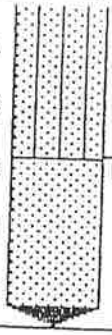

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PLATE 3.9

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: TIM L.

Job Number: 7545
Test Pit No.: 10
Elevation: 1100

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	[SM] TAN SILTY SAND, DRY, LOOSE
					2	
					3	
					4	
					5	
					6	
					7	TAN/RUST SILTY SAND, DRY, MOD DENSE, W/GRAVELS
					8	
					9	
					10	
					11	
					12	
					13	
					14	

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PLATE 3.10

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: TIM L.

Job Number: 7545
Test Pit No.: 11
Elevation: 1080

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	(SM) BRN SILTY SAND, DRY, DENSE
					2	LT. TAN SILTY SAND, DRY, LOOSE, POROUS
					3	
					4	
					5	LT. TAN-RUST SILTY SAND, DRY, MOD DENSE
					6	
					7	LT TAN-ORANGE SILTY SAND W/GRAVELS, DRY, MOD DENSE
					8	
					9	
					10	
					11	
					12	

PLATE 3.11

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: TIM L.

Job Number: 7545
Test Pit No.: 12
Elevation: 1040

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	(SM) TAN SILTY SAND, DRY, MOD DENSE
					2	
					3	
					4	TAN-ORANGE SILTY SAND, DRY, MOD DENSE
					5	
					6	LT. BRN/ORANGE SILTY SAND, DRY, DENSE
					7	
					8	
					9	
					10	
					11	
					12	
					13	
					14	
					15	

PLATE 3.12

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: TIM L.

Job Number: 7545
Test Pit No.: 13
Elevation: 1085

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	[SM] TAN SILTY SAND, DRY, MOD DENSE
					2	
					3	
					4	
					5	[SP] ORANGE-TAN SAND
					6	[SM] LT. BRN SILTY SAND, DAMP, DENSE, POROUS
					7	
					8	
					9	
					10	
					11	
					12	TAN-DK. BRN. INTERBEDED SANDS AND SILTY SAND, DAMP, DENSE
					13	

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PLATE 3.13

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: TIM L.

Job Number: 7545
Test Pit No.: 14
Elevation: 1065

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	(SM) TAN SILTY SAND, DRY, LOOSE
					2	
					3	
					4	TAN SILTY SAND, DRY DENSE
					5	
					6	
					7	
					8	
					9	
					10	

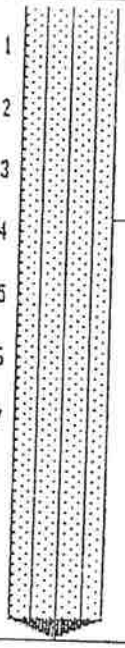

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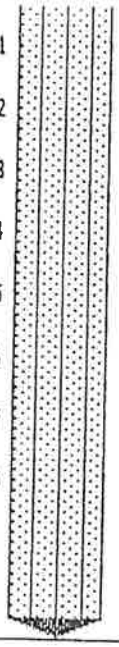
PLATE 3.14

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: TIM L.

Job Number: 7545
Test Pit No.: 15
Elevation: 1100

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	[SM] TAN/YELLOW SILTY SAND, DAMP, POROUS, DENSE
					2	
					3	
					4	ORANGE/BRN., SILTY SAND, DAMP, W/TRASH.
					5	
					6	
					7	
					8	
					9	
					10	



DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: TIM L.

Job Number: 7545
Test Pit No.: 16
Elevation: 1080

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	(SM) TAN SILTY SAND DAMP, DENSE
					2	
					3	LT. TAN, SILTY SAND, W/ABUNDANT TRASH.
					4	
					5	LT BRN-ORANGE SILTY SAND, MOIST, DENSE
					6	
					7	
					8	
					9	
					10	

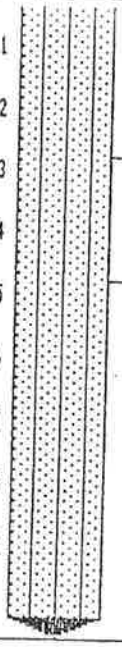


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PLATE 3.16

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: TIM L.

Job Number: 7545
Test Pit No.: 17
Elevation: 1100

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	[SM] TAN/YELLOW SILTY SAND, DAMP, MOD DENSE
					2	
					3	
					4	
					5	
					6	
					7	LT TAN SILTY SAND, MOIST, DENSE
					8	
					9	
					10	

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 18
Elevation: 1010

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	(SM) MED. BRN., SILTY F SAND, DRY, LOOSE.
					2	(SP) RED/BRN., WEATHERED GRANITIC BEDROCK, DRY, DENSE.
					3	

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PLATE 3.18

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 19
Elevation: 1070

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	(SM) RED/BRN., SILTY F SAND, DRY, LOOSE, ROOTLETS.
					2	(SP) RED/BRN., WEATHERED GRANITIC BEDROCK, DRY, DENSE.
					3	
					4	
					5	
					6	
					7	

PLATE 3.19

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 20
Elevation: 1180

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maxiaum Density %	Bulk Sample	Feet	Visual Classification
					1	(SM) MED. BRN., F-C SAND, DRY, LOOSE.
					2	(SP) LT. GRAY-WHITE, WEATHERED GRANITIC BEDROCK, DRY, LOOSE.
					3	MOIST W/DEPTH
					4	
					5	
					6	
					7	

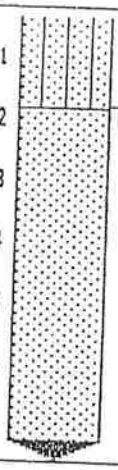

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PLATE 3.20

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 21
Elevation: 1250

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	(SM) MED. BRN., F-M SAND, DRY, LOOSE.
					2	(SP) MOTTLED GRANITIC BEDROCK, DRY, DENSE.
					3	
					4	

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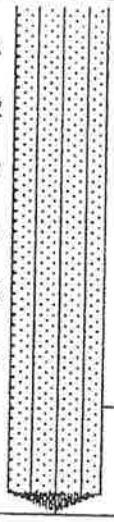
PLATE 3.21

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 22
Elevation: 1110

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	(SM) MED. BRN., SILTY F SAND, DRY, LOOSE, (Qal).
					2	
					3	
					4	
					5	
					6	
					7	RUSTY BRN.,F SAND, DRY, DENSE, HARD, CEMENTED.
					8	



DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 23
Elevation: 1190

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	(SM) MED. BRN., SILTY F SAND, DRY, LOOSE.
						RUSTY BRN.,F SAND, DENSE, HARD, CEMENTED.

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PLATE 3.23

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 24
Elevation: 1270

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
						[SM] MED. BRN., SILTY F SAND, DRY-SLIGHTLY MOIST, LOOSE.
					1	[SP] RUSTY BRN., WEATHERED GRANITIC BEDROCK, MOIST, DENSE.
					2	
					3	
					4	LESS WEATHERING W/DEPTH, BECOMES HARD.

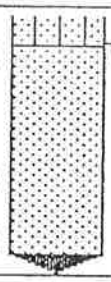

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PLATE 3.24

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 25
Elevation: 1335

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	[SM] MED. BRN., SILTY F SAND, DRY, LOOSE, ROOTLETS.
					2	[SP] RUSTY BRN., WEATHERED GRANITIC BEDROCK, DRY, DENSE.
					3	
					4	LESS WEATHERING, DENSE, HARD.
					5	
					6	
					7	
					8	
					9	
					10	

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 26
Elevation: 1260

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	[SM] RED/BRN., SILTY F SAND, DRY, LOOSE, ROOTLETS.
					2	
					3	[SP] RUSTY BRN., WEATHERED GRANITIC BEDROCK, MOIST, DENSE.
					4	
					5	FINER GRAINED GRANITIC BEDROCK, W/LINEATIONS, DENSE, HARD.
					6	
					7	

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PLATE 3.26

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 27
Elevation: 1210

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	[SP] RED/BRN., SILTY F SAND, DRY, LOOSE.
					2	
					3	RUSTY BRN., WEATHERED GRANITIC BEDROCK, DRY, DENSE, HARD.
					4	
					5	
					6	
					7	

PLATE 3.27

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 28
Elevation: 1170

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
				X	1	[SM] RED/BRN., SILTY F SAND, DRY, LOOSE.
					2	[SP] REDDISH, WEATHERED GRANITIC BEDROCK, DRY, DENSE.
					3	
					4	
					5	HARDER TO DIG, LESS WEATHERING.
				X	6	
					7	
					8	
					9	
					10	
					11	

PLATE 3.28

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 29
Elevation: 1250

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	[SM] MED. BRN., SILTY F SAND, DRY, LOOSE.
					2	RUSTY BRN., SILTY F-M SAND, DRY, LOOSE, LOCALLY CEMENTED.
					3	
					4	[SP] MOTTLED GRANITIC BEDROCK, WEATHERED, DRY, DENSE.
					5	
					6	HARDER TO DIG, SLIGHTLY MOIST, DENSE, HARD.
					7	
					8	
				X	9	

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PLATE 3.29

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 30
Elevation: 1270

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
				X	1	(SM) MED. BRN., SILTY F SAND, DRY, LOOSE.
					2	(SP) RUSTY BRN., WEATHERED GRANITIC BEDROCK, DRY, DENSE.
					3	
					4	
					5	
					6	HARDER TO DIG, SLIGHTLY MOIST, DENSE, HARD.
					7	
				X	8	VERY HARD TO DIG.

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PLATE 3.30

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 31
Elevation: 1200

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	(SM) MED. BRN., VERY SILTY F SAND, DRY, LOOSE.
					2	RED/BRN., VERY SILTY F SAND, DRY, LOOSE.
					3	
				X	4	
				X	5	DK. RUSTY BRN., VERY SILTY F SAND, MOIST, MOD. DENSE.
					6	
					7	
					8	(SP) MOTTLED GRANITIC BEDROCK, WEATHERED, MOIST, DENSE.
					9	
					10	
				X	11	HARDER TO DIG.
					12	
				X	13	

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PLATE 3.31

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 32
Elevation: 1100

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	(SM) DK. BRN., SILTY F SAND, DRY, LOOSE.
					2	(SP) MED. GRAY, GRANITIC BEDROCK, DENSE, HARD.
					3	DK. RUSTY BRN., WEATHERED GRANITIC BEDROCK, DRY, DENSE, HARD.
					4	
					5	

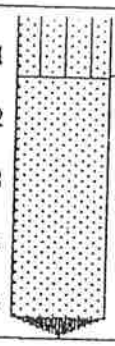

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PLATE 3.32

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 33
Elevation: 1170

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
					1	[SM] MED. BRN., SILTY F SAND, DRY, LOOSE.
					2	[SP] FINE GRAINED GRANITIC BEDROCK, DRY, DENSE, HARD.
					3	

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PLATE 3.33

DRAFT

Job Name: RIO VISTA
Job Location: RIVERSIDE
Field Geologist: SL

Job Number: 7545
Test Pit No.: 34
Elevation: 1130

Blows Per Foot	Dry Density P.C.F.	Natural Moist. Content %	Percent Maximum Density %	Bulk Sample	Feet	Visual Classification
				X	1	[SM] MED. BRN., SILTY VERY F SAND, DRY-SLIGHTLY MOIST, LOOSE.
					2	
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	LT.-MED. BRN., SILTY F SAND, MOIST, DENSE, LOCALLY CEMENTED
				X	13	

Enclosure 2, Page 50
Rpt. No.: 8552
File No.: S-11403

PLATE 3.34

DRAFT

APPENDIX C

LABORATORY TEST RESULTS

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ONE-DIMENSIONAL SWELL OR SETTLEMENT POTENTIAL OF COHESIVE SOILS

ASTM D 4546

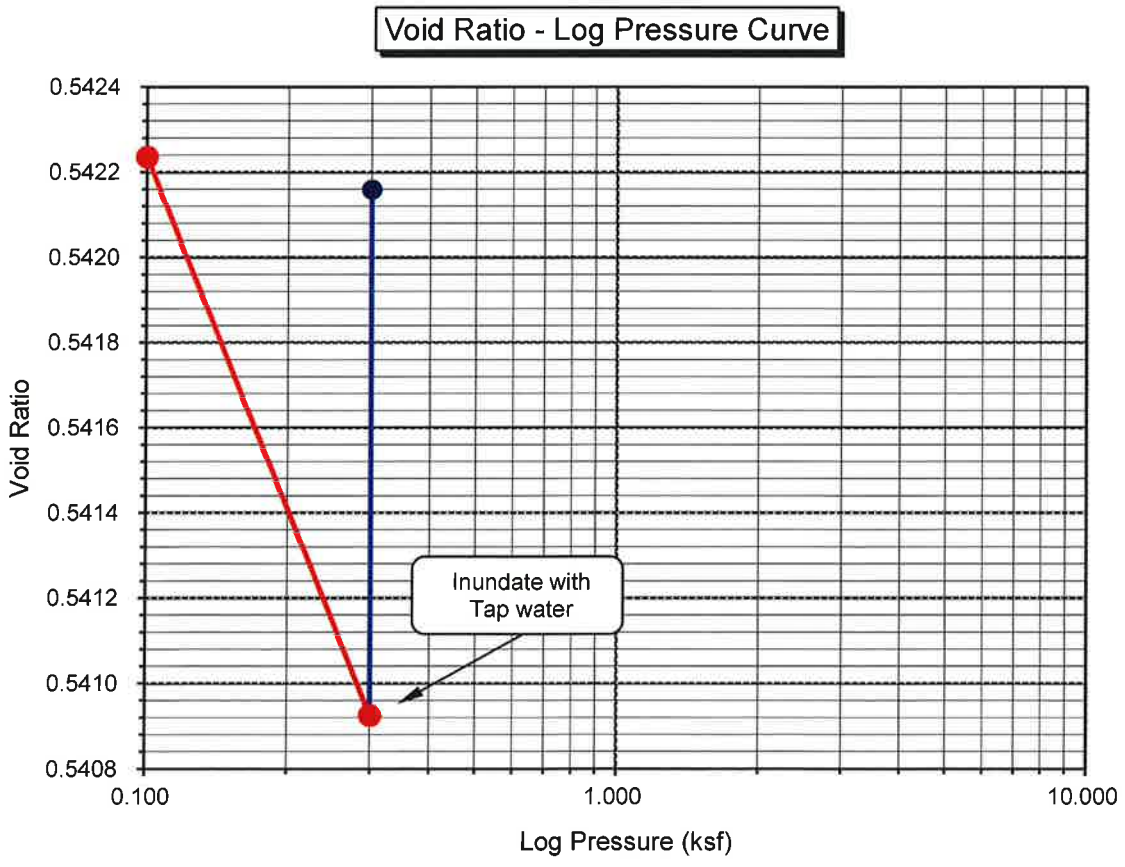
Project Name:	Richland/Rio Vista		Tested By:	G. Bathala	Date: 08/10/15
Project No.:	10270.002		Checked By:	J. Ward	Date: 08/24/15
Boring No.:	LB-9		Sample Type:	Ring	
Sample No.:	R-1		Depth (ft.)	2.5	
Sample Description:	Brown silty clay (CL-ML)				

Initial Dry Density (pcf):	109.3
Initial Moisture (%):	2.75
Initial Length (in.):	1.0000
Initial Dial Reading:	0.2960
Diameter(in):	2.415

Final Dry Density (pcf):	109.3
Final Moisture (%) :	17.6
Initial Void Ratio:	0.5427
Specific Gravity(assumed):	2.70
Initial Saturation (%)	13.7

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.100	0.2957	0.9997	0.00	-0.03	0.5422	-0.03
0.300	0.2944	0.9984	0.05	-0.16	0.5409	-0.11
H2O	0.2952	0.9992	0.05	-0.09	0.5422	-0.04

Percent Swell (+) / Settlement (-) After Inundation = 0.08



Leighton

DRAFT

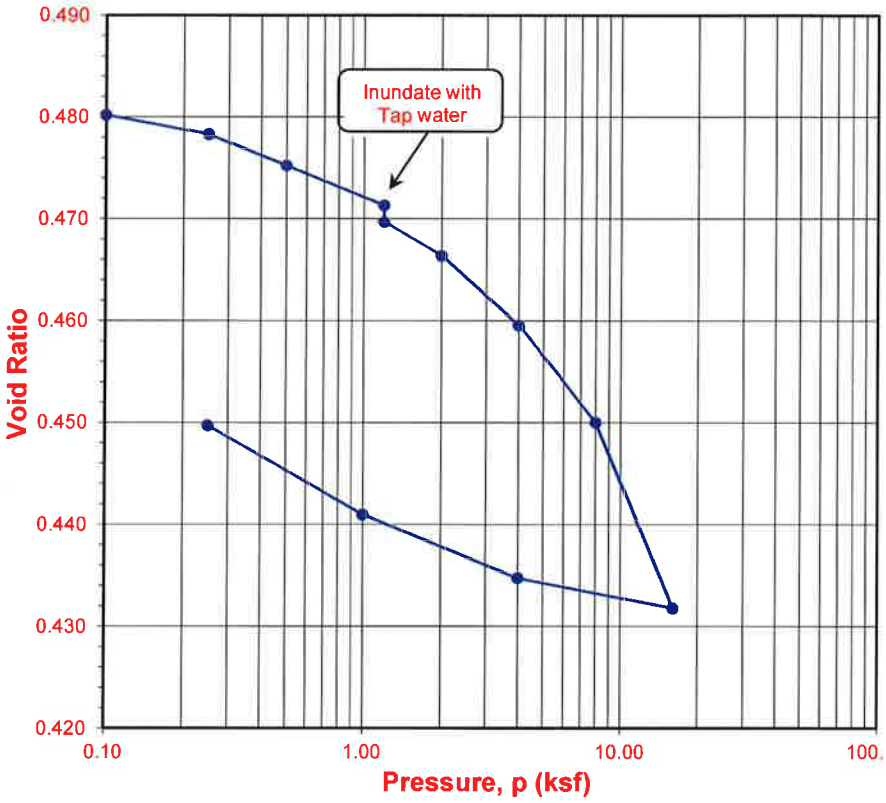
ONE-DIMENSIONAL CONSOLIDATION PROPERTIES of SOILS

ASTM D 2435

Project Name: Richland/Rio Vista
Project No.: 10270.002
Boring No.: LB-3
Sample No.: R-4
Soil Identification: Brown silty clay with sand (CL-ML)s

Tested By: G. Bathala Date: 08/03/15
Checked By: J. Ward Date: 08/24/15
Depth (ft.): 10.0
Sample Type: Ring

Sample Diameter (in.)	2.415
Sample Thickness (in.)	1.000
Wt. of Sample + Ring (g)	186.43
Weight of Ring (g)	42.11
Height after consol. (in.)	0.9791
Before Test	
Wt.Wet Sample+Cont. (g)	173.47
Wt.of Dry Sample+Cont. (g)	166.57
Weight of Container (g)	39.55
Initial Moisture Content (%)	5.4
Initial Dry Density (pcf)	113.8
Initial Saturation (%)	31
Initial Vertical Reading (in.)	0.3390
After Test	
Wt.of Wet Sample+Cont. (g)	257.12
Wt. of Dry Sample+Cont. (g)	235.82
Weight of Container (g)	57.54
Final Moisture Content (%)	15.64
Final Dry Density (pcf)	115.7
Final Saturation (%)	92
Final Vertical Reading (in.)	0.3145
Specific Gravity (assumed)	2.70
Water Density (pcf)	62.43



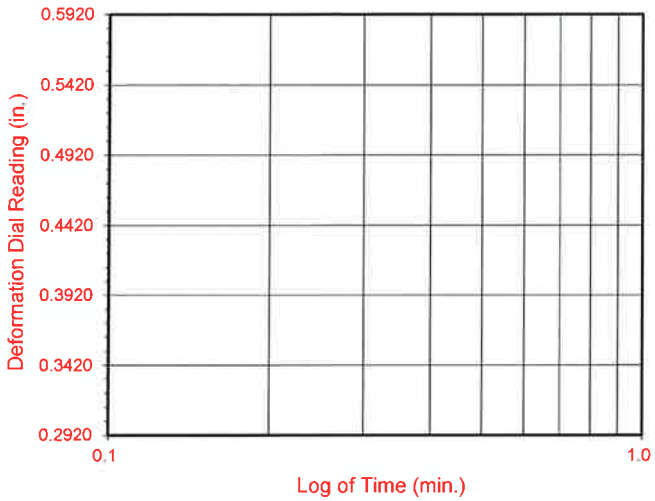
Pressure (p) (ksf)	Final Reading (in.)	Apparent Thickness (in.)	Load Compliance (%)	Deformation % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.10	0.3387	0.9997	0.00	0.03	0.480	0.03
0.25	0.3370	0.9980	0.04	0.20	0.478	0.16
0.50	0.3343	0.9953	0.11	0.48	0.475	0.37
1.20	0.3301	0.9911	0.26	0.89	0.471	0.63
1.20	0.3290	0.9900	0.26	1.00	0.470	0.74
2.00	0.3256	0.9866	0.38	1.35	0.466	0.96
4.00	0.3191	0.9801	0.57	2.00	0.460	1.43
8.00	0.3104	0.9714	0.79	2.86	0.450	2.07
16.00	0.2954	0.9564	1.06	4.36	0.432	3.30
4.00	0.3005	0.9615	0.75	3.85	0.435	3.10
1.00	0.3071	0.9681	0.51	3.19	0.441	2.68
0.25	0.3145	0.9755	0.36	2.45	0.450	2.09

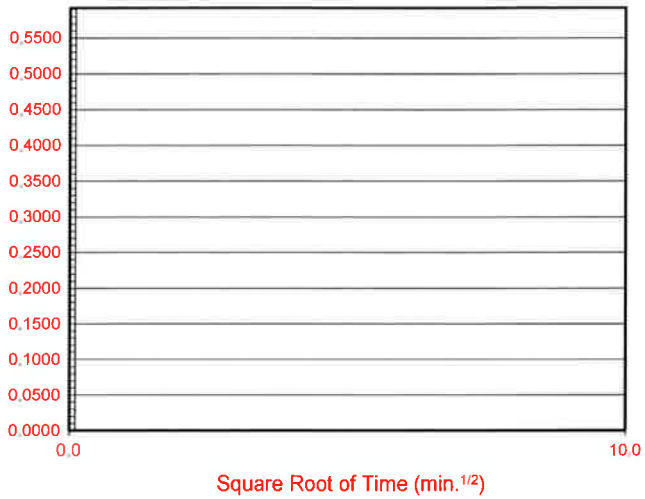
No Time Readings

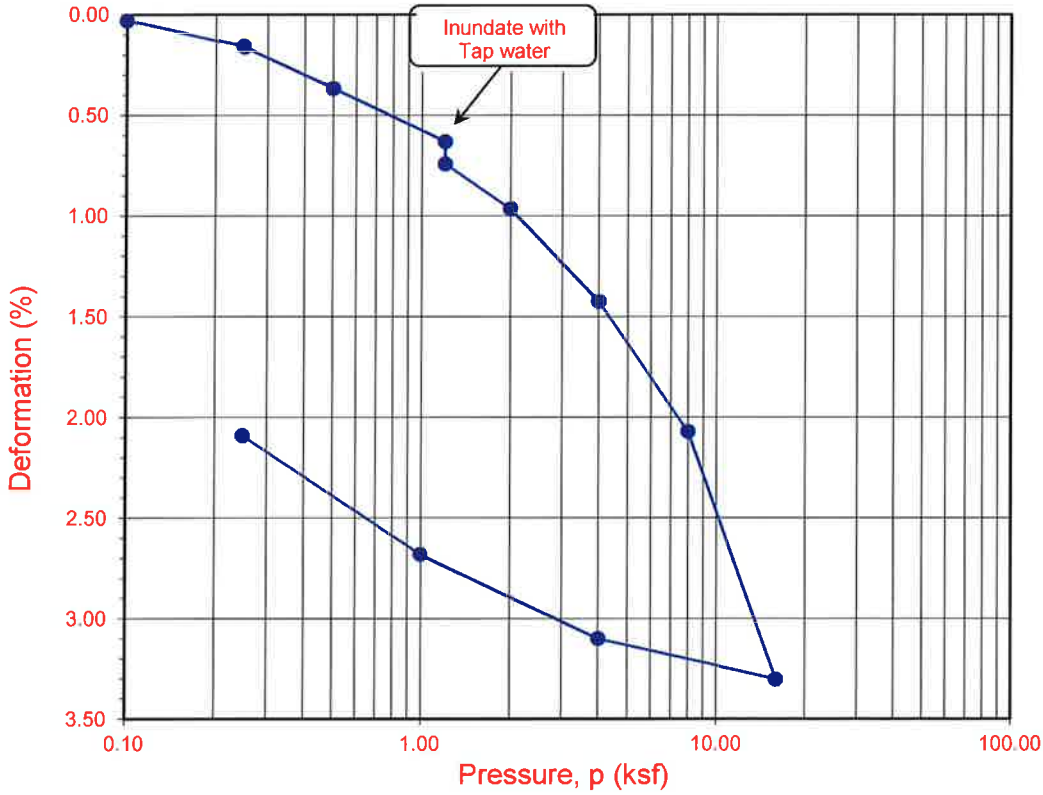
Date	Time	Elapsed Time (min)	Square Root of Time	Dial Rdgs. (in.)

DRAFT

Time Readings







Boring No.	Sample No.	Depth (ft.)	Moisture Content (%)		Dry Density (pcf)		Void Ratio		Degree of Saturation (%)	
			Initial	Final	Initial	Final	Initial	Final	Initial	Final
LB-3	**R-4**	**10.0**	**5.4**	**15.6**	**113.8**	**115.7**	**0.481**	**0.450**	**31**	**92**

Soil Identification: Brown silty clay with sand (CL-ML)s

Leighton

ONE-DIMENSIONAL CONSOLIDATION PROPERTIES of SOILS
ASTM D 2435

Project No.: 10270.002

Richland/Rio Vista

08-15

Leighton

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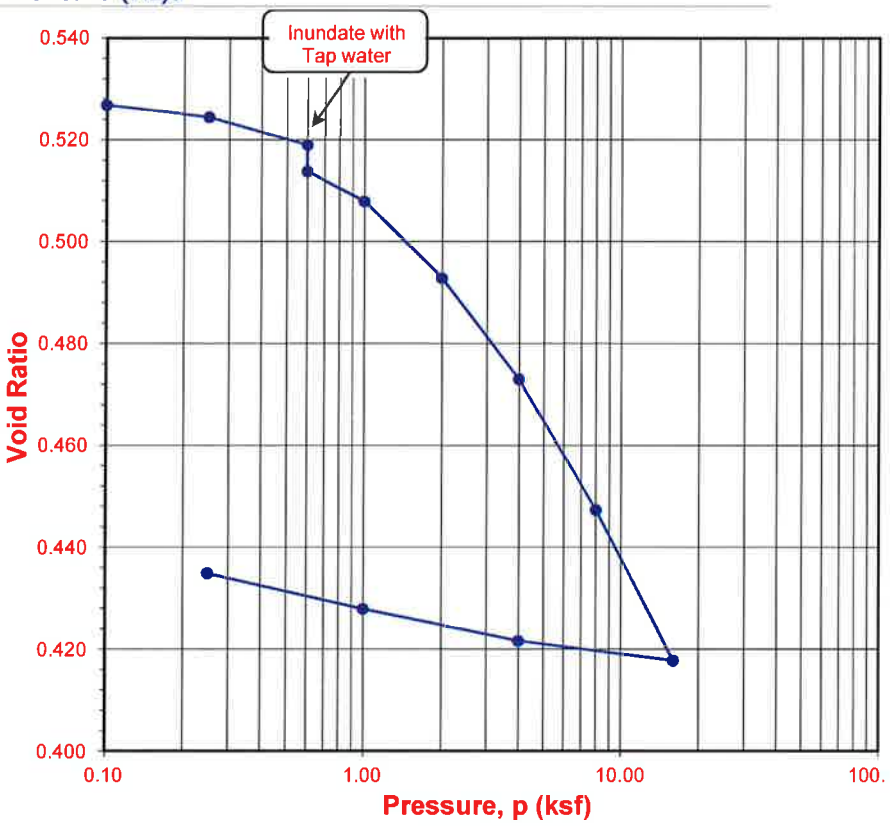
ONE-DIMENSIONAL CONSOLIDATION PROPERTIES of SOILS

ASTM D 2435

Project Name: Richland/Rio Vista
Project No.: 10270.002
Boring No.: LB-9
Sample No.: R-2
Soil Identification: Yellowish brown silt with sand (ML)s

Tested By: G. Bathala Date: 08/03/15
Checked By: J. Ward Date: 08/24/15
Depth (ft.): 5.0
Sample Type: Ring

Sample Diameter (in.)	2.415
Sample Thickness (in.)	1.000
Wt. of Sample + Ring (g)	180.34
Weight of Ring (g)	43.24
Height after consol. (in.)	0.9392
Before Test	
Wt.Wet Sample+Cont. (g)	196.68
Wt.of Dry Sample+Cont. (g)	191.55
Weight of Container (g)	38.46
Initial Moisture Content (%)	3.4
Initial Dry Density (pcf)	110.3
Initial Saturation (%)	17
Initial Vertical Reading (in.)	0.3478
After Test	
Wt.of Wet Sample+Cont. (g)	232.74
Wt. of Dry Sample+Cont. (g)	212.42
Weight of Container (g)	37.66
Final Moisture Content (%)	15.45
Final Dry Density (pcf)	116.5
Final Saturation (%)	93
Final Vertical Reading (in.)	0.2837
Specific Gravity (assumed)	2.70
Water Density (pcf)	62.43



Pressure (p) (ksf)	Final Reading (in.)	Apparent Thickness (in.)	Load Compliance (%)	Deformation % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.10	0.3472	0.9994	0.00	0.07	0.527	0.07
0.25	0.3454	0.9976	0.02	0.24	0.525	0.22
0.60	0.3411	0.9933	0.09	0.67	0.519	0.58
0.60	0.3377	0.9899	0.09	1.01	0.514	0.92
1.00	0.3331	0.9853	0.17	1.48	0.508	1.31
2.00	0.3222	0.9744	0.27	2.56	0.493	2.29
4.00	0.3077	0.9599	0.42	4.01	0.473	3.59
8.00	0.2892	0.9414	0.59	5.86	0.447	5.27
16.00	0.2680	0.9202	0.78	7.99	0.418	7.21
4.00	0.2726	0.9248	0.57	7.52	0.422	6.95
1.00	0.2781	0.9303	0.43	6.97	0.428	6.54
0.25	0.2837	0.9359	0.33	6.41	0.435	6.08

No Time Readings

Date	Time	Elapsed Time (min)	Square Root of Time	Dial Rdgs. (in.)

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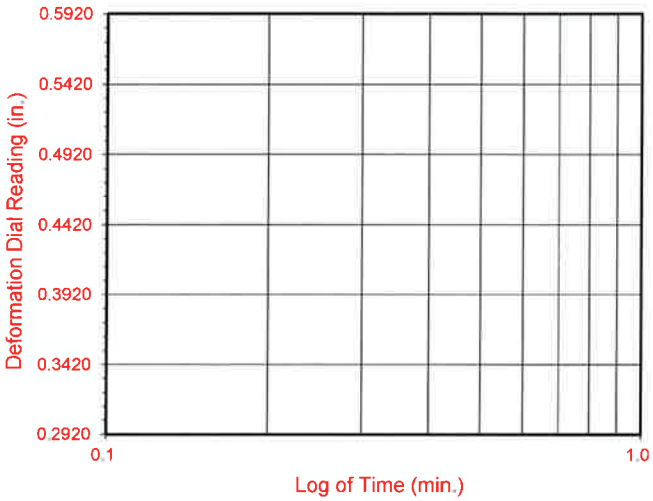
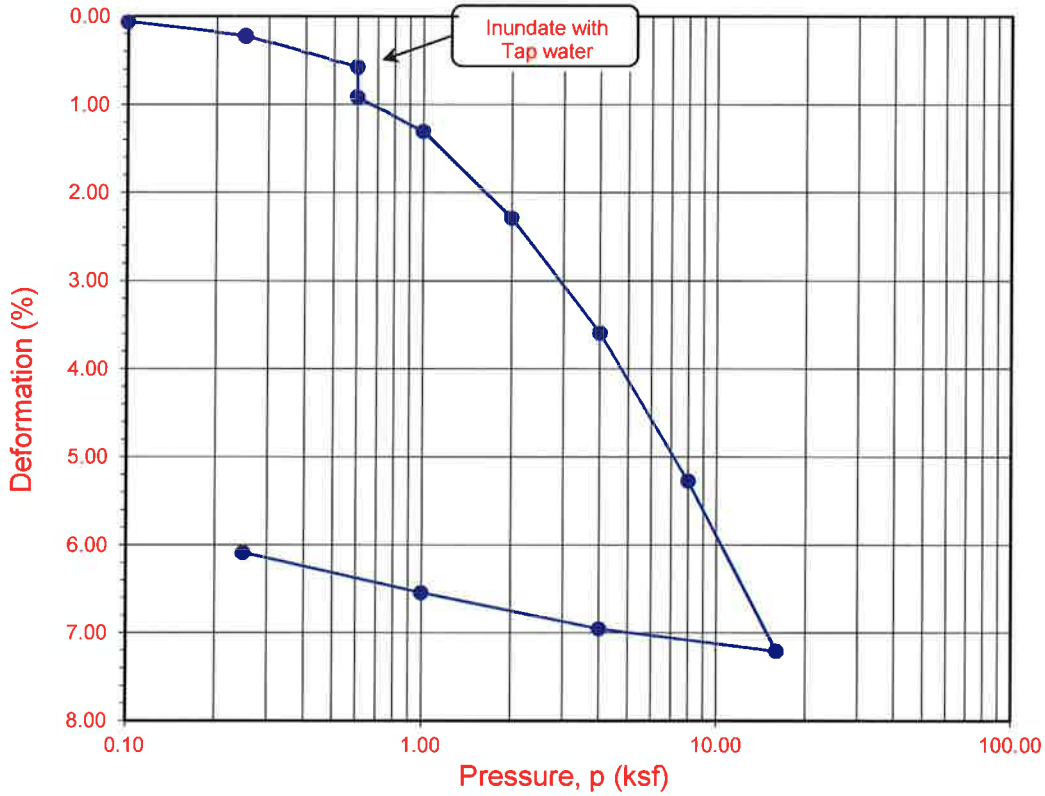
Time Readings





Boring No.	Sample No.	Depth (ft.)	Moisture Content (%)		Dry Density (pcf)		Void Ratio		Degree of Saturation (%)	
			Initial	Final	Initial	Final	Initial	Final	Initial	Final
LB-9	**R-2**	**5.0**	**3.4**	**15.5**	**110.3**	**116.5**	**0.528**	**0.435**	**17**	**93**

Soil Identification: Yellowish brown silt with sand (ML)s

Leighton

ONE-DIMENSIONAL CONSOLIDATION PROPERTIES of SOILS
ASTM D 2435

Project No.: 10270.002

Richland/Rio Vista

08-15

Leighton

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MODIFIED PROCTOR COMPACTION TEST

ASTM D 1557

Project Name:	Richland/Rio Vista	Tested By:	O. Figueroa	Date:	08/11/15
Project No.:	10270.002	Input By:	J. Ward	Date:	08/24/15
Boring No.:	LB-7	Depth (ft.):	0-5		
Sample No.:	B-0				
Soil Identification:	Dark yellowish brown sandy silt s(ML)				

Preparation Method: [X] Moist [ ] Dry

[X] Mechanical Ram [ ] Manual Ram

Mold Volume (ft³) 0.03340

Ram Weight = 10 lb.; Drop = 18 in.

TEST NO.	1	2	3	4	5	6
Wt. Compacted Soil + Mold (g)	3878	3963	3932			
Weight of Mold (g)	1861	1861	1861			
Net Weight of Soil (g)	2017	2102	2071			
Wet Weight of Soil + Cont. (g)	394.1	409.4	430.2			
Dry Weight of Soil + Cont. (g)	371.0	377.8	388.8			
Weight of Container (g)	38.5	39.3	38.2			
Moisture Content (%)	6.95	9.34	11.81			
Wet Density (pcf)	133.1	138.7	136.7			
Dry Density (pcf)	124.5	126.9	122.3			

Maximum Dry Density (pcf) 127.0 **Optimum Moisture Content (%)** 9.0

PROCEDURE USED

[X] **Procedure A**
Soil Passing No. 4 (4.75 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)
May be used if +#4 is 20% or less

[ ] **Procedure B**
Soil Passing 3/8 in. (9.5 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)
Use if +#4 is >20% and +3/8 in. is 20% or less

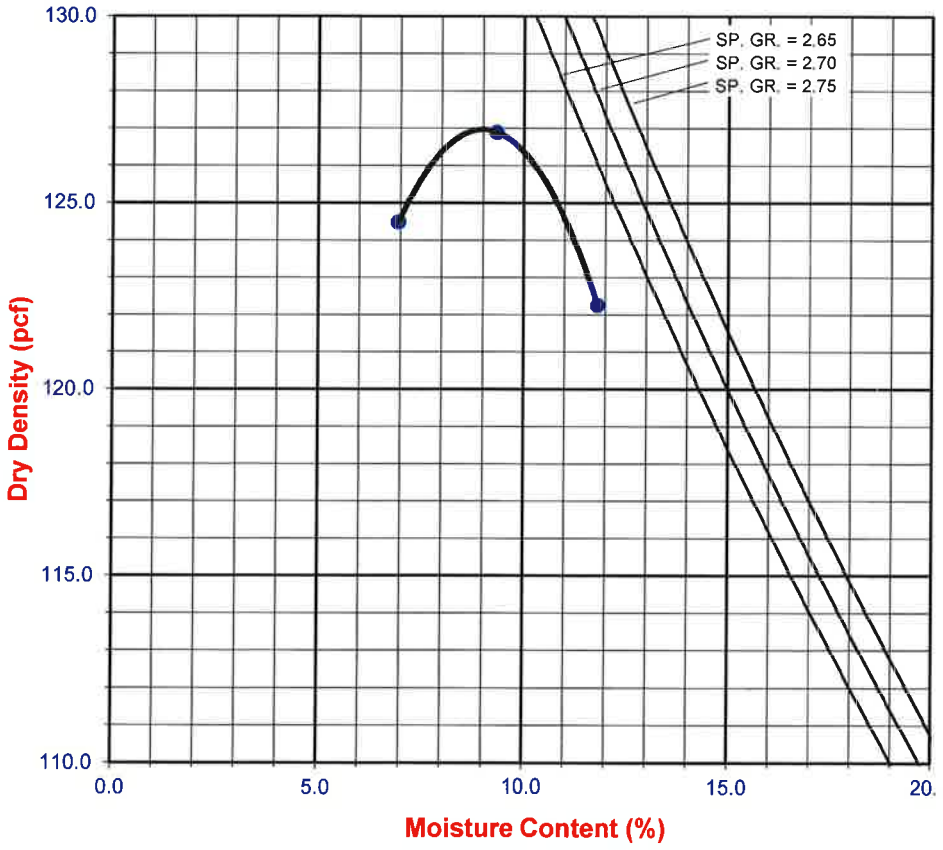
[ ] **Procedure C**
Soil Passing 3/4 in. (19.0 mm) Sieve
Mold : 6 in. (152.4 mm) diameter
Layers : 5 (Five)
Blows per layer : 56 (fifty-six)
Use if +3/8 in. is >20% and +¾ in. is <30%

Particle-Size Distribution:

GR:SA:FI

Atterberg Limits:

LL,PL,PI



MX LB-7, B-0 @ 0-5

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MODIFIED PROCTOR COMPACTION TEST

ASTM D 1557

Project Name:	Richland/Rio Vista	Tested By:	O. Figueroa	Date:	08/13/15
Project No.:	10270.002	Input By:	J. Ward	Date:	08/24/15
Boring No.:	TP-9	Depth (ft.):	4.0		
Sample No.:	Bulk-4				
Soil Identification:	Dark yellowish brown silty sand (SM)				

Preparation Method: [X] Moist [ ] Dry

[X] Mechanical Ram [ ] Manual Ram

Mold Volume (ft³) 0.03340 *Ram Weight = 10 lb.; Drop = 18 in.*

TEST NO.	1	2	3	4	5	6
Wt. Compacted Soil + Mold (g)	3972	4057	4028			
Weight of Mold (g)	1861	1861	1861			
Net Weight of Soil (g)	2111	2196	2167			
Wet Weight of Soil + Cont. (g)	424.0	429.0	460.9			
Dry Weight of Soil + Cont. (g)	402.4	399.1	421.2			
Weight of Container (g)	38.7	38.8	38.5			
Moisture Content (%)	5.94	8.30	10.37			
Wet Density (pcf)	139.3	144.9	143.0			
Dry Density (pcf)	131.5	133.8	129.6			

Maximum Dry Density (pcf) 134.0 **Optimum Moisture Content (%)** 8.0

PROCEDURE USED

[X] **Procedure A**
Soil Passing No. 4 (4.75 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)
May be used if +#4 is 20% or less

[ ] **Procedure B**
Soil Passing 3/8 in. (9.5 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)
Use if +#4 is >20% and +3/8 in. is 20% or less

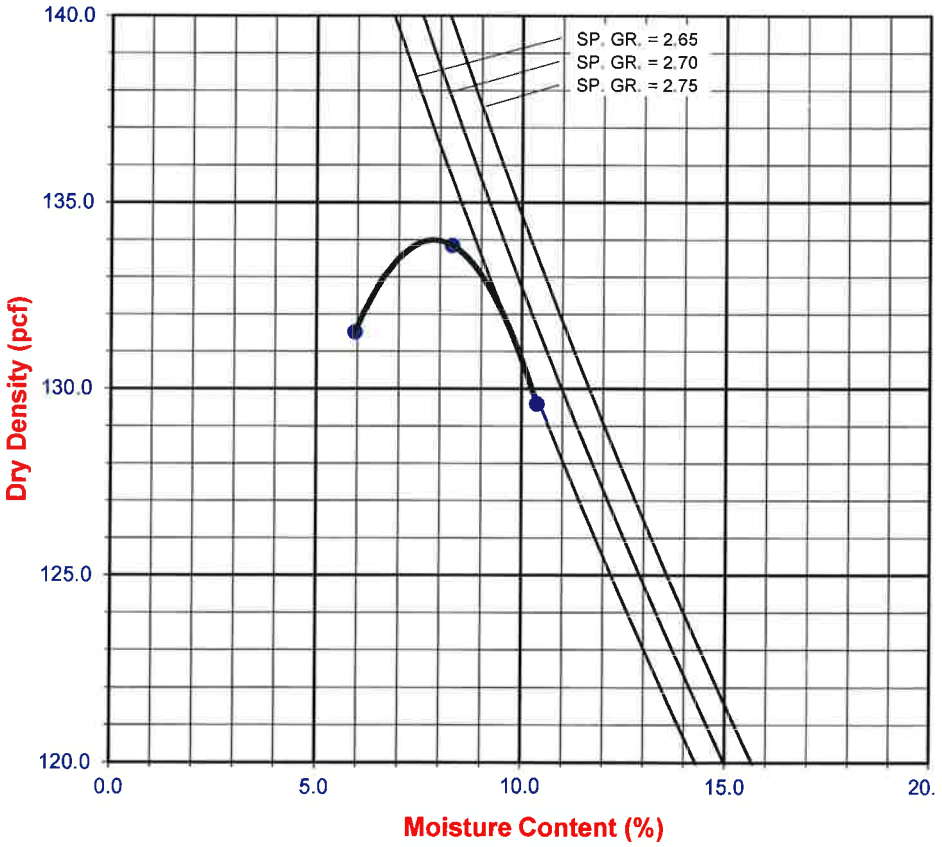
[ ] **Procedure C**
Soil Passing 3/4 in. (19.0 mm) Sieve
Mold : 6 in. (152.4 mm) diameter
Layers : 5 (Five)
Blows per layer : 56 (fifty-six)
Use if +3/8 in. is >20% and +¾ in. is <30%

Particle-Size Distribution:

GR:SA:FI

Atterberg Limits:

LL,PL,PI



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MODIFIED PROCTOR COMPACTION TEST

ASTM D 1557

Project Name:	Richland/Rio Vista	Tested By:	O. Figueroa	Date:	08/18/15
Project No.:	10270.002	Input By:	J. Ward	Date:	08/19/15
Boring No.:	TP-12	Depth (ft.):	4.0		
Sample No.:	B-1				
Soil Identification:	Dark yellowish brown silty sand (SM)				

Preparation Method: [X] Moist [ ] Dry

[X] Mechanical Ram [ ] Manual Ram

Mold Volume (ft³) 0.03340 *Ram Weight = 10 lb.; Drop = 18 in.*

TEST NO.	1	2	3	4	5	6
Wt. Compacted Soil + Mold (g)	3859	3933	3946			
Weight of Mold (g)	1861	1861	1861			
Net Weight of Soil (g)	1998	2072	2085			
Wet Weight of Soil + Cont. (g)	390.7	405.5	448.6			
Dry Weight of Soil + Cont. (g)	374.4	380.7	412.4			
Weight of Container (g)	38.2	38.5	38.7			
Moisture Content (%)	4.85	7.25	9.69			
Wet Density (pcf)	131.9	136.8	137.6			
Dry Density (pcf)	125.8	127.5	125.5			

Maximum Dry Density (pcf) 127.5 **Optimum Moisture Content (%)** 7.0

PROCEDURE USED

[X] **Procedure A**
Soil Passing No. 4 (4.75 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)
May be used if +#4 is 20% or less

[ ] **Procedure B**
Soil Passing 3/8 in. (9.5 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)
Use if +#4 is >20% and +3/8 in. is 20% or less

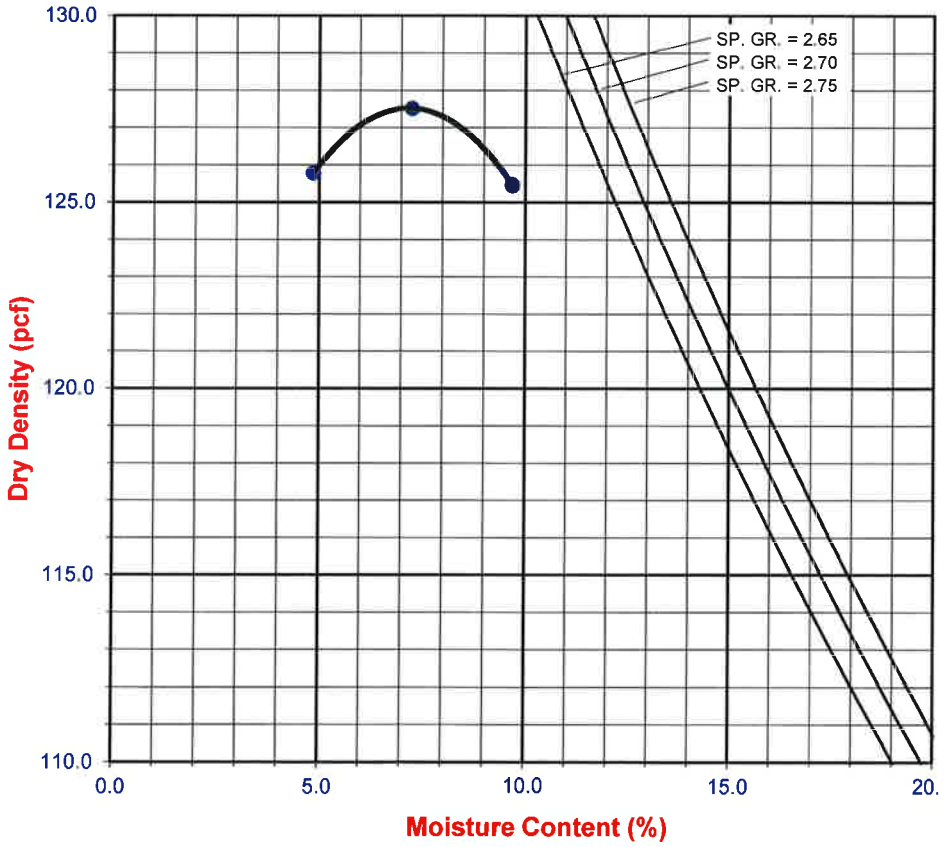
[ ] **Procedure C**
Soil Passing 3/4 in. (19.0 mm) Sieve
Mold : 6 in. (152.4 mm) diameter
Layers : 5 (Five)
Blows per layer : 56 (fifty-six)
Use if +3/8 in. is >20% and +¾ in. is <30%

Particle-Size Distribution:

GR:SA:FI

Atterberg Limits:

LL,PL,PI



DRAFT

Richland/Rio Vista
10270.002

Summary of Pocket Penetrometer Test Results for Borings LB-1 through LB-10
Prepared by JHW, 08-24-15

LB-1	R-1	3.75
	R-2	>4.50
	R-4	>4.50
LB-2	R-1	4.25
	R-2	>4.50
	R-3	>4.50
LB-3	R-1	>4.50
	R-2	>4.50
	R-4	>4.50
	R-6	>4.50
LB-4	R-1	>4.50
	R-2	>4.50
	R-3	>4.50
	R-4	>4.50
LB-5	R-1	>4.50
	R-2	2.75
	R-3	3.50
LB-6	R-1	>4.50
	R-2	3.75
	R-3	4.25
LB-7	R-1	3.25
	R-2	>4.50
	R-3	>4.50
LB-8	R-1	>4.50
	R-2	>4.50
	R-3	>4.50
	R-4	>4.50
LB-9	R-1	2.75/4.50
	R-2	4.00/>4.50
	R-3	>4.50
LB-10	R-1	>4.50
	R-2	>4.50

Leighton

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TESTS for SULFATE CONTENT CHLORIDE CONTENT and pH of SOILS

Project Name: Richland/Rio Vista Tested By : G. Berdy Date: 08/12/15

Project No. : 10270.002 Data Input By: J. Ward Date: 08/24/15

Boring No.	TP-9			
Sample No.	Bulk-4			
Sample Depth (ft)	4.0			
Soil Identification:	Dark yellowish brown SM			
Wet Weight of Soil + Container (g)	230.10			
Dry Weight of Soil + Container (g)	225.38			
Weight of Container (g)	57.26			
Moisture Content (%)	2.81			
Weight of Soaked Soil (g)	100.18			

SULFATE CONTENT, DOT California Test 417, Part II

Beaker No.	26			
Crucible No.	24			
Furnace Temperature (°C)	850			
Time In / Time Out	11:00/11:35			
Duration of Combustion (min)	35			
Wt. of Crucible + Residue (g)	17.0778			
Wt. of Crucible (g)	17.0768			
Wt. of Residue (g) (A)	0.0010			
PPM of Sulfate (A) x 41150	41.15			
PPM of Sulfate, Dry Weight Basis	**42**			

CHLORIDE CONTENT, DOT California Test 422

ml of Extract For Titration (B)	30			
ml of AgNO3 Soln. Used in Titration (C)	0.4			
PPM of Chloride (C -0.2) * 100 * 30 / B	20			
PPM of Chloride, Dry Wt. Basis	**21**			

pH TEST, DOT California Test 643

pH Value	**7.52**			
Temperature °C	20.8			

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SOIL RESISTIVITY TEST

DOT CA TEST 643

Project Name: Richland/Rio Vista
Project No. : 10270.002
Boring No.: TP-9
Sample No. : Bulk-4

Tested By : G. Berdy Date: 08/14/15
Data Input By: J. Ward Date: 08/24/15
Depth (ft.) : 4.0

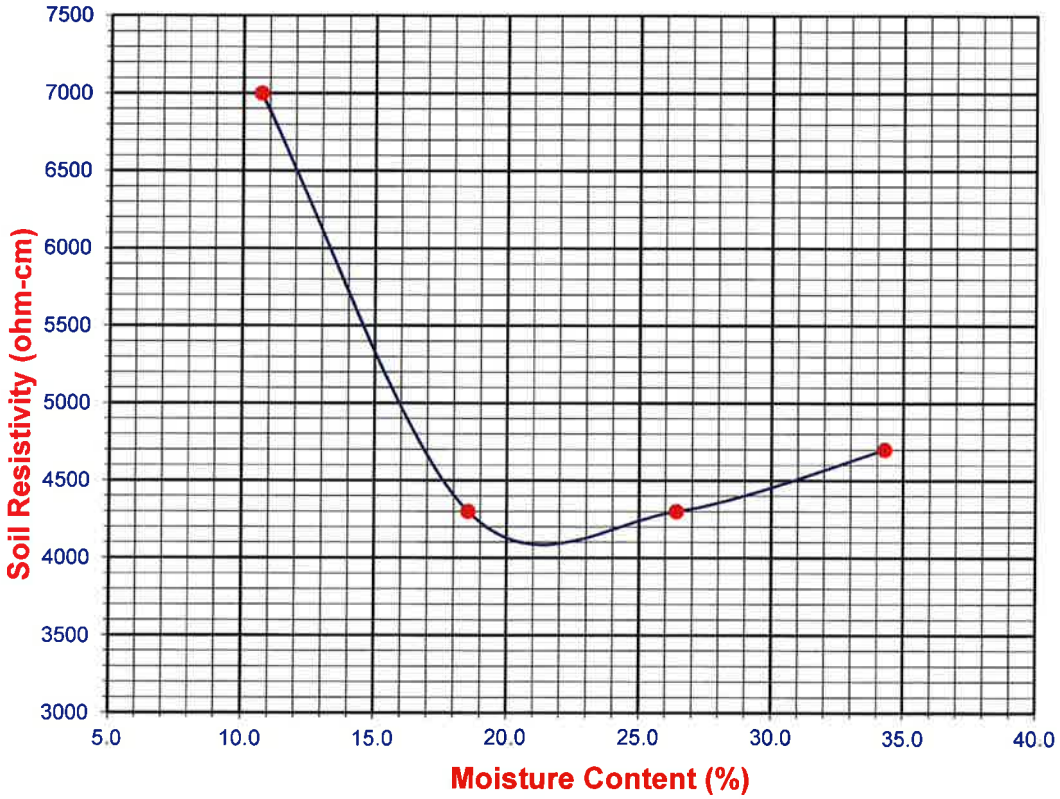
Soil Identification:* Dark yellowish brown SM

*California Test 643 requires soil specimens to consist only of portions of samples passing through the No. 8 US Standard Sieve before resistivity testing. Therefore, this test method may not be representative for coarser materials.

Specimen No.	Water Added (ml) (Wa)	Adjusted Moisture Content (MC)	Resistance Reading (ohm)	Soil Resistivity (ohm-cm)
1	10	10.68	7000	7000
2	20	18.54	4300	4300
3	30	26.41	4300	4300
4	40	34.28	4700	4700
5				

Moisture Content (%) (MCi)	2.81
Wet Wt. of Soil + Cont. (g)	230.10
Dry Wt. of Soil + Cont. (g)	225.38
Wt. of Container (g)	57.26
Container No.	
Initial Soil Wt. (g) (Wt)	130.66
Box Constant	1.000
MC =(((1+Mci/100)x(Wa/Wt+1))-1)x100	

Min. Resistivity (ohm-cm)	Moisture Content (%)	Sulfate Content (ppm)	Chloride Content (ppm)	Soil pH	
				pH	Temp. (°C)
DOT CA Test 643		DOT CA Test 417 Part II	DOT CA Test 422	DOT CA Test 643	
4080	**21.3**	**42**	**21**	**7.52**	**20.8**



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TESTS for SULFATE CONTENT
CHLORIDE CONTENT and pH of SOILS

Project Name: Richland/Rio Vista
Project No. : 10270.002

Tested By : G. Berdy Date: 08/11/15
Data Input By: J. Ward Date: 08/24/15

Boring No.	LB-7			
Sample No.	B-0			
Sample Depth (ft)	0-5			
Soil Identification:	Dark yellowish brown s(ML)			
Wet Weight of Soil + Container (g)	231.24			
Dry Weight of Soil + Container (g)	224.56			
Weight of Container (g)	59.27			
Moisture Content (%)	4.04			
Weight of Soaked Soil (g)	100.14			

SULFATE CONTENT, DOT California Test 417, Part II

Beaker No.	36			
Crucible No.	23			
Furnace Temperature (°C)	850			
Time In / Time Out	10:30/11:05			
Duration of Combustion (min)	35			
Wt. of Crucible + Residue (g)	18.4278			
Wt. of Crucible (g)	18.4261			
Wt. of Residue (g) (A)	0.0017			
PPM of Sulfate (A) x 41150	69.95			
PPM of Sulfate, Dry Weight Basis	**73**			

CHLORIDE CONTENT, DOT California Test 422

ml of Extract For Titration (B)	15			
ml of AgNO3 Soln. Used in Titration (C)	0.5			
PPM of Chloride (C -0.2) * 100 * 30 / B	60			
PPM of Chloride, Dry Wt. Basis	**63**			

pH TEST, DOT California Test 643

pH Value	**7.83**			
Temperature °C	20.9			

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SOIL RESISTIVITY TEST

DOT CA TEST 643

Project Name:	Richland/Rio Vista		Tested By :	G. Berdy	Date: 08/12/15
Project No. :	10270.002		Data Input By:	J. Ward	Date: 08/24/15
Boring No.:	LB-7		Depth (ft.) :	0-5	
Sample No. :	B-0				

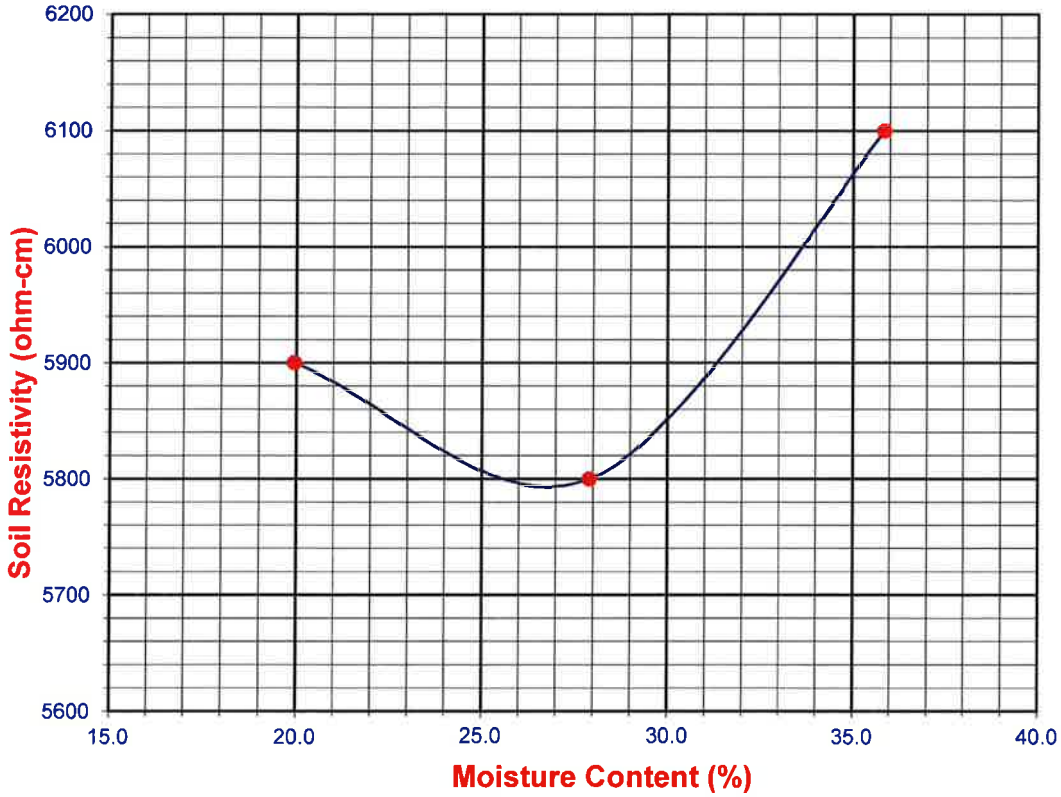
Soil Identification:* Dark yellowish brown s(ML)

*California Test 643 requires soil specimens to consist only of portions of samples passing through the No. 8 US Standard Sieve before resistivity testing. Therefore, this test method may not be representative for coarser materials.

Specimen No.	Water Added (ml) (Wa)	Adjusted Moisture Content (MC)	Resistance Reading (ohm)	Soil Resistivity (ohm-cm)
1	20	19.95	5900	5900
2	30	27.90	5800	5800
3	40	35.85	6100	6100
4				
5				

Moisture Content (%) (MCi)	4.04
Wet Wt. of Soil + Cont. (g)	231.24
Dry Wt. of Soil + Cont. (g)	224.56
Wt. of Container (g)	59.27
Container No.	
Initial Soil Wt. (g) (Wt)	130.82
Box Constant	1.000
MC =(((1+Mci/100)x(Wa/Wt+1))-1)x100	

Min. Resistivity (ohm-cm)	Moisture Content (%)	Sulfate Content (ppm)	Chloride Content (ppm)	Soil pH	
				pH	Temp. (°C)
DOT CA Test 643		DOT CA Test 417 Part II	DOT CA Test 422	DOT CA Test 643	
5790	**26.8**	**73**	**63**	**7.83**	**20.9**



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APPENDIX D

SUMMARY OF SECONDARY SEISMIC HAZARD ANALYSIS

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TEST.OUT

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*                      *
*    E Q F A U L T     *
*                      *
*    Version 3.00      *
*                      *
************************
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DETERMINISTIC ESTIMATION OF
PEAK ACCELERATION FROM DIGITIZED FAULTS

JOB NUMBER: 10270.002

DATE: 09-02-2015

JOB NAME: Test Run

CALCULATION NAME: Test Run Analysis

FAULT-DATA-FILE NAME: CDMGFLTE.DAT

SITE COORDINATES:
SITE LATITUDE: 34.0280
SITE LONGITUDE: 117.4052

SEARCH RADIUS: 100 mi

ATTENUATION RELATION: 20) Sadigh et al. (1997) Horiz. - Soil
UNCERTAINTY (M=Median, S=Sigma): M Number of Sigmas: 0.0
DISTANCE MEASURE: clodis
SCOND: 0
Basement Depth: 5.00 km Campbell SSR: Campbell SHR:
COMPUTE PEAK HORIZONTAL ACCELERATION

FAULT-DATA FILE USED: CDMGFLTE.DAT

MINIMUM DEPTH VALUE (km): 0.0

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TEST.OUT

EQFAULT SUMMARY

DETERMINISTIC SITE PARAMETERS

ABBREVIATED FAULT NAME	APPROXIMATE DISTANCE mi (km)	ESTIMATED MAX. EARTHQUAKE EVENT MAXIMUM EARTHQUAKE MAG.(Mw)	PEAK SITE ACCEL. g	EST. SITE INTENSITY MOD.MERC.
SAN JACINTO-SAN BERNARDINO	6.0(9.6)	6.7	0.298	IX
SAN JACINTO-SAN JACINTO VALLEY	9.6(15.5)	6.9	0.237	IX
CUCAMONGA	10.9(17.6)	7.0	0.290	IX
SAN ANDREAS - San Bernardino	13.5(21.8)	7.3	0.220	IX
SAN ANDREAS - Southern	13.5(21.8)	7.4	0.230	IX
CHINO-CENTRAL AVE. (Elsinore)	15.7(25.2)	6.7	0.185	VIII
SAN JOSE	17.3(27.9)	6.5	0.149	VIII
ELSINORE-GLEN IVY	17.8(28.6)	6.8	0.135	VIII
CLEGHORN	17.8(28.7)	6.5	0.112	VII
WHITTIER	17.9(28.8)	6.8	0.134	VIII
NORTH FRONTAL FAULT ZONE (West)	20.1(32.3)	7.0	0.173	VIII
SIERRA MADRE	20.3(32.6)	7.0	0.171	VIII
SAN ANDREAS - 1857 Rupture	20.8(33.5)	7.8	0.198	VIII
SAN ANDREAS - Mojave	20.8(33.5)	7.1	0.137	VIII
ELYSIAN PARK THRUST	26.7(43.0)	6.7	0.105	VII
ELSINORE-TEMECULA	26.8(43.1)	6.8	0.087	VII
CLAMSHELL-SAWPIT	29.2(47.0)	6.5	0.082	VII
SAN JACINTO-ANZA	34.3(55.2)	7.2	0.086	VII
RAYMOND	35.7(57.4)	6.5	0.063	VI
COMPTON THRUST	36.8(59.2)	6.8	0.076	VII
NORTH FRONTAL FAULT ZONE (East)	37.5(60.3)	6.7	0.069	VI
HELENDALE - S. LOCKHARDT	38.6(62.2)	7.1	0.070	VI
PINTO MOUNTAIN	39.1(63.0)	7.0	0.064	VI
VERDUGO	41.6(66.9)	6.7	0.061	VI
NEWPORT-INGLEWOOD (L.A.Basin)	41.6(67.0)	6.9	0.055	VI
NEWPORT-INGLEWOOD (Offshore)	41.9(67.5)	6.9	0.054	VI
HOLLYWOOD	47.7(76.7)	6.4	0.039	V
LENWOOD-LOCKHART-OLD WOMAN SPRGS	49.5(79.7)	7.3	0.059	VI
ELSINORE-JULIAN	50.3(80.9)	7.1	0.050	VI
PALOS VERDES	52.1(83.9)	7.1	0.048	VI
SIERRA MADRE (San Fernando)	53.7(86.5)	6.7	0.043	VI
JOHNSON VALLEY (Northern)	53.9(86.7)	6.7	0.033	V
SAN GABRIEL	53.9(86.8)	7.0	0.042	VI
SAN ANDREAS - Coachella	54.1(87.0)	7.1	0.045	VI
LANDERS	57.3(92.2)	7.3	0.049	VI
BURNT MTN.	57.4(92.4)	6.4	0.024	IV
SANTA MONICA	57.6(92.7)	6.6	0.036	V
EUREKA PEAK	58.3(93.8)	6.4	0.023	IV
NORTHRIDGE (E. Oak Ridge)	60.0(96.6)	6.9	0.043	VI
CORONADO BANK	60.4(97.2)	7.4	0.050	VI

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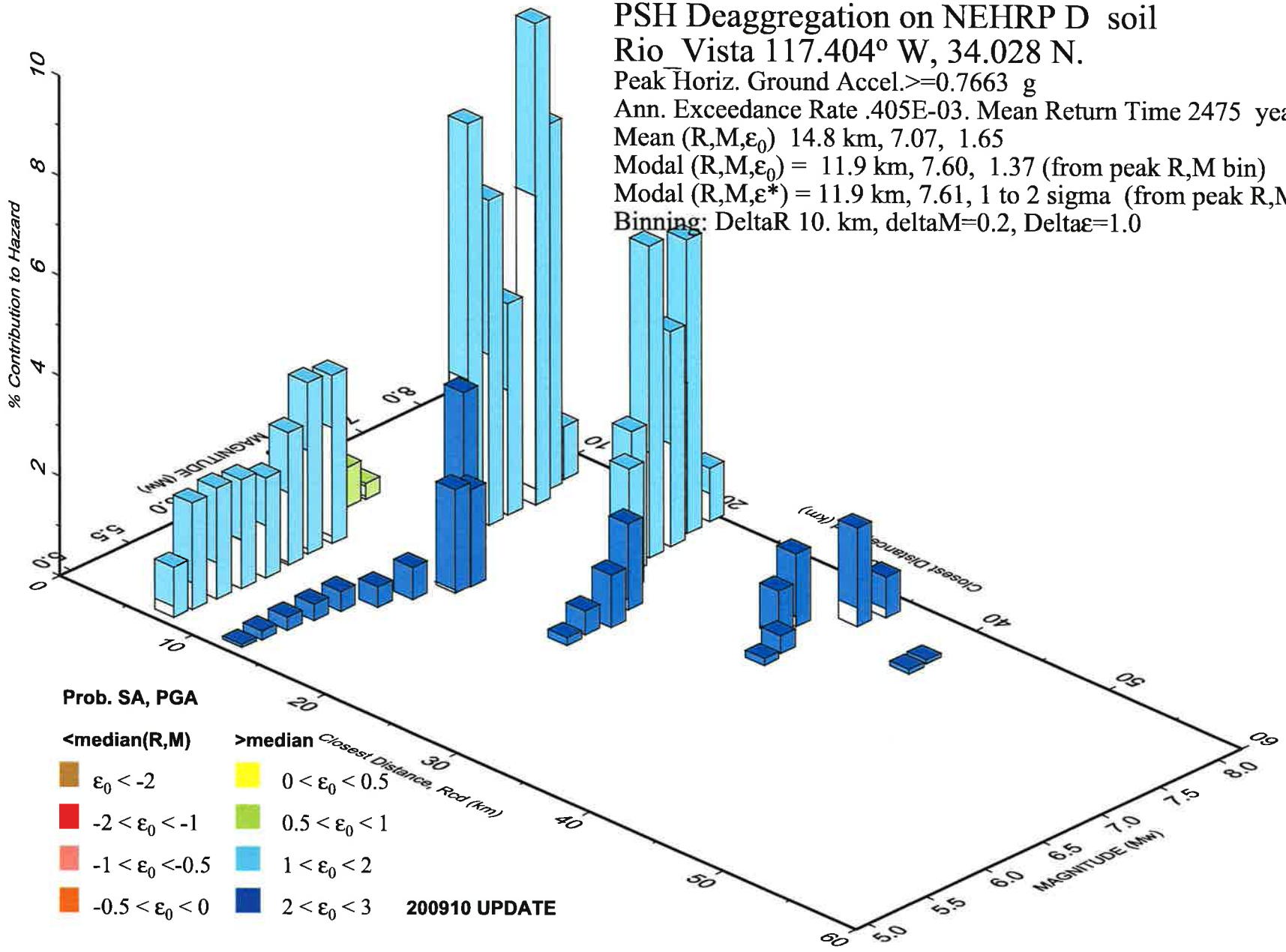
DETERMINISTIC SITE PARAMETERS

ABBREVIATED FAULT NAME	APPROXIMATE DISTANCE mi (km)	ESTIMATED MAX. EARTHQUAKE EVENT: MAXIMUM EARTHQUAKE MAG.(Mw)	ESTIMATED MAX. EARTHQUAKE EVENT: PEAK SITE ACCEL. g	ESTIMATED MAX. EARTHQUAKE EVENT: EST. SITE INTENSITY MOD.MERC.
EMERSON So. - COPPER MTN.	60.6(97.6)	6.9	0.033	V
ROSE CANYON	62.1(99.9)	6.9	0.032	V
MALIBU COAST	64.6(103.9)	6.7	0.033	V
GRAVEL HILLS - HARPER LAKE	64.6(104.0)	6.9	0.030	V
SAN JACINTO-COYOTE CREEK	64.7(104.2)	6.8	0.028	V
SANTA SUSANA	65.7(105.7)	6.6	0.030	V
CALICO - HIDALGO	66.7(107.3)	7.1	0.034	V
HOLSER	70.8(113.9)	6.5	0.024	V
PISGAH-BULLION MTN.-MESQUITE LK	71.6(115.3)	7.1	0.031	V
BLACKWATER	72.3(116.4)	6.9	0.026	V
ANACAPA-DUME	73.9(118.9)	7.3	0.045	VI
EARTHQUAKE VALLEY	75.1(120.9)	6.5	0.017	IV
SAN ANDREAS - Carrizo	78.4(126.1)	7.2	0.030	V
OAK RIDGE (Onshore)	79.3(127.6)	6.9	0.029	V
SIMI-SANTA ROSA	81.8(131.6)	6.7	0.023	IV
SAN CAYETANO	82.6(133.0)	6.8	0.025	V
SAN JACINTO - BORREGO	89.9(144.7)	6.6	0.015	IV
GARLOCK (West)	90.2(145.1)	7.1	0.022	IV
SANTA YNEZ (East)	93.6(150.6)	7.0	0.019	IV
GARLOCK (East)	93.8(150.9)	7.3	0.025	V
ELSINORE-COYOTE MOUNTAIN	94.7(152.4)	6.8	0.016	IV

-END OF SEARCH- 61 FAULTS FOUND WITHIN THE SPECIFIED SEARCH RADIUS.

THE SAN JACINTO-SAN BERNARDINO FAULT IS CLOSEST TO THE SITE.
IT IS ABOUT 6.0 MILES (9.6 km) AWAY.

LARGEST MAXIMUM-EARTHQUAKE SITE ACCELERATION: 0.2979 g



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GMT 2015 Sep 8 16:52:30 Distance (R), magnitude (M), epsilon (E0,E) deaggregation for a site on soil with average vs= 270. m/s top 30 m. USGS CGHT PSHA2008 UPDATE Bins with lt 0.05% contrib. omitted

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USGS Design Maps Summary Report

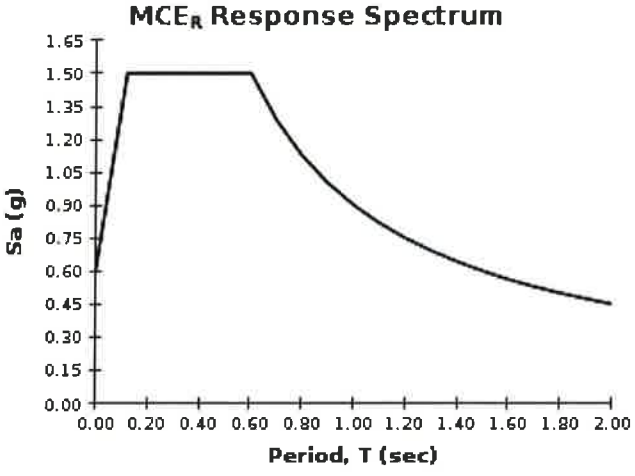
User–Specified Input

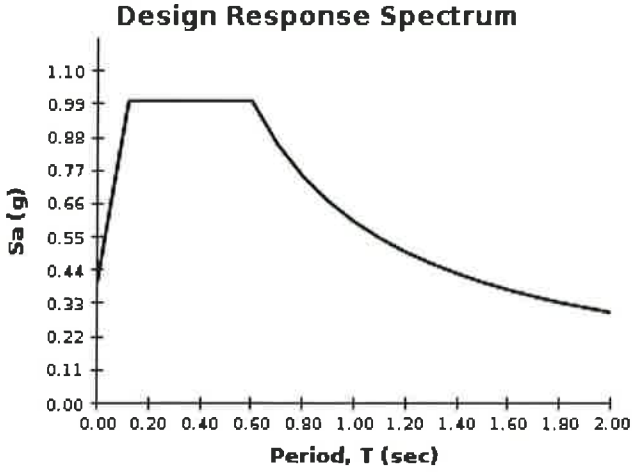
Report Title	Rio Vista Tue September 8, 2015 16:52:17 UTC
Building Code Reference Document	ASCE 7-10 Standard (which utilizes USGS hazard data available in 2008)
Site Coordinates	34.0282°N, 117.4038°W
Site Soil Classification	Site Class D – "Stiff Soil"
Risk Category	I/II/III

USGS–Provided Output

S_S =	1.500 g	S_{MS} =	1.500 g	S_{DS} =	1.000 g
S_1 =	0.600 g	S_{M1} =	0.900 g	S_{D1} =	0.600 g

For information on how the SS and S1 values above have been calculated from probabilistic (risk-targeted) and deterministic ground motions in the direction of maximum horizontal response, please return to the application and select the "2009 NEHRP" building code reference document.





For PGA_M, T_L, C_{RS}, and C_{R1} values, please view the detailed report.

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Although this information is a product of the U.S. Geological Survey, we provide no warranty, expressed or implied, as to the accuracy of the data contained therein. This tool is not a substitute for technical subject-matter knowledge.

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USGS Design Maps Detailed Report

ASCE 7-10 Standard (34.0282°N, 117.4038°W)

Site Class D – "Stiff Soil", Risk Category I/II/III

Section 11.4.1 — Mapped Acceleration Parameters

Note: Ground motion values provided below are for the direction of maximum horizontal spectral response acceleration. They have been converted from corresponding geometric mean ground motions computed by the USGS by applying factors of 1.1 (to obtain S_S) and 1.3 (to obtain S_1). Maps in the 2010 ASCE-7 Standard are provided for Site Class B. Adjustments for other Site Classes are made, as needed, in Section 11.4.3.

From Figure 22-1 [1]	S_S = 1.500 g
From Figure 22-2 [2]	S_1 = 0.600 g

Section 11.4.2 — Site Class

The authority having jurisdiction (not the USGS), site-specific geotechnical data, and/or the default has classified the site as Site Class D, based on the site soil properties in accordance with Chapter 20.

Table 20.3–1 Site Classification

Site Class	$\bar{v}_s$	$\bar{N}$ or $\bar{N}_{ch}$	$\bar{s}_u$
A. Hard Rock	>5,000 ft/s	N/A	N/A
B. Rock	2,500 to 5,000 ft/s	N/A	N/A
C. Very dense soil and soft rock	1,200 to 2,500 ft/s	>50	>2,000 psf
D. Stiff Soil	600 to 1,200 ft/s	15 to 50	1,000 to 2,000 psf
E. Soft clay soil	<600 ft/s	<15	<1,000 psf
	Any profile with more than 10 ft of soil having the characteristics: • Plasticity index PI > 20, • Moisture content w ≥ 40%, and • Undrained shear strength $\bar{s}_u$ < 500 psf		
F. Soils requiring site response analysis in accordance with Section 21.1	See Section 20.3.1		

For SI: 1ft/s = 0.3048 m/s 1lb/ft² = 0.0479 kN/m²

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Section 11.4.3 — Site Coefficients and Risk-Targeted Maximum Considered Earthquake (MCE_R) Spectral Response Acceleration Parameters

Table 11.4-1: Site Coefficient F_a

Site Class	Mapped MCE_R Spectral Response Acceleration Parameter at Short Period				
	$S_S \le 0.25$	$S_S = 0.50$	$S_S = 0.75$	$S_S = 1.00$	$S_S \ge 1.25$
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.2	1.2	1.1	1.0	1.0
D	1.6	1.4	1.2	1.1	1.0
E	2.5	1.7	1.2	0.9	0.9
F	See Section 11.4.7 of ASCE 7				

Note: Use straight-line interpolation for intermediate values of S_S

For Site Class = D and S_S = 1.500 g, F_a = 1.000

Table 11.4-2: Site Coefficient F_v

Site Class	Mapped MCE_R Spectral Response Acceleration Parameter at 1-s Period				
	$S_1 \le 0.10$	$S_1 = 0.20$	$S_1 = 0.30$	$S_1 = 0.40$	$S_1 \ge 0.50$
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.7	1.6	1.5	1.4	1.3
D	2.4	2.0	1.8	1.6	1.5
E	3.5	3.2	2.8	2.4	2.4
F	See Section 11.4.7 of ASCE 7				

Note: Use straight-line interpolation for intermediate values of S_1

For Site Class = D and S_1 = 0.600 g, F_v = 1.500

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Equation (11.4–1): $S_{MS} = F_a S_S = 1.000 \times 1.500 = 1.500$ g

Equation (11.4–2): $S_{M1} = F_v S_1 = 1.500 \times 0.600 = 0.900$ g

Section 11.4.4 — Design Spectral Acceleration Parameters

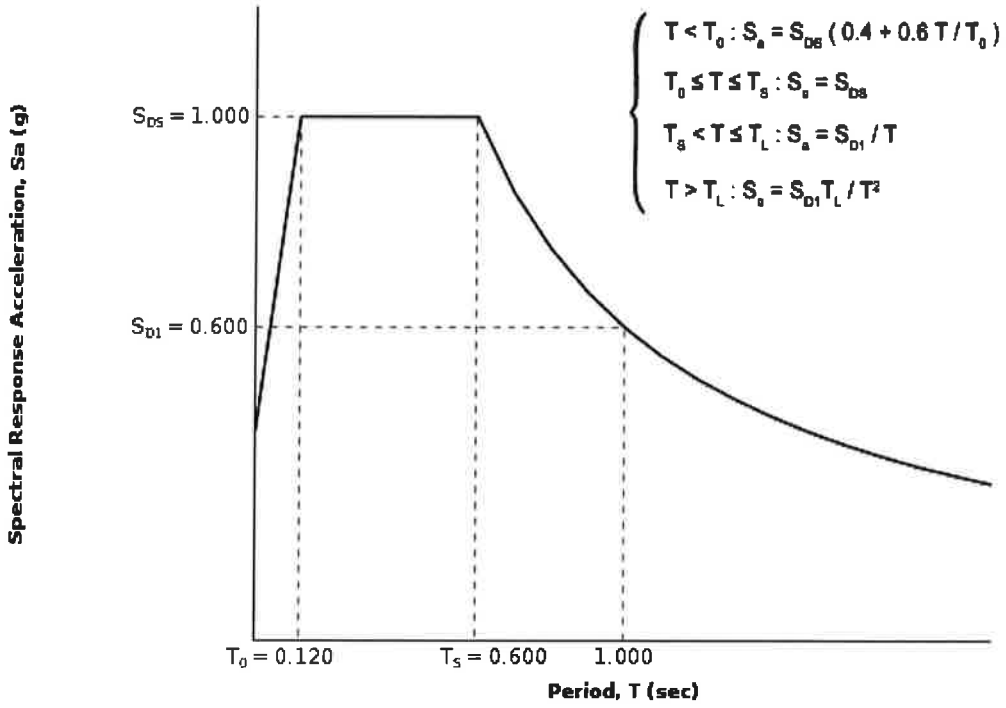
Equation (11.4–3): $S_{DS} = \frac{2}{3} S_{MS} = \frac{2}{3} \times 1.500 = 1.000$ g

Equation (11.4–4): $S_{D1} = \frac{2}{3} S_{M1} = \frac{2}{3} \times 0.900 = 0.600$ g

Section 11.4.5 — Design Response Spectrum

From Figure 22-12 [3] $T_L = 8$ seconds

Figure 11.4-1: Design Response Spectrum



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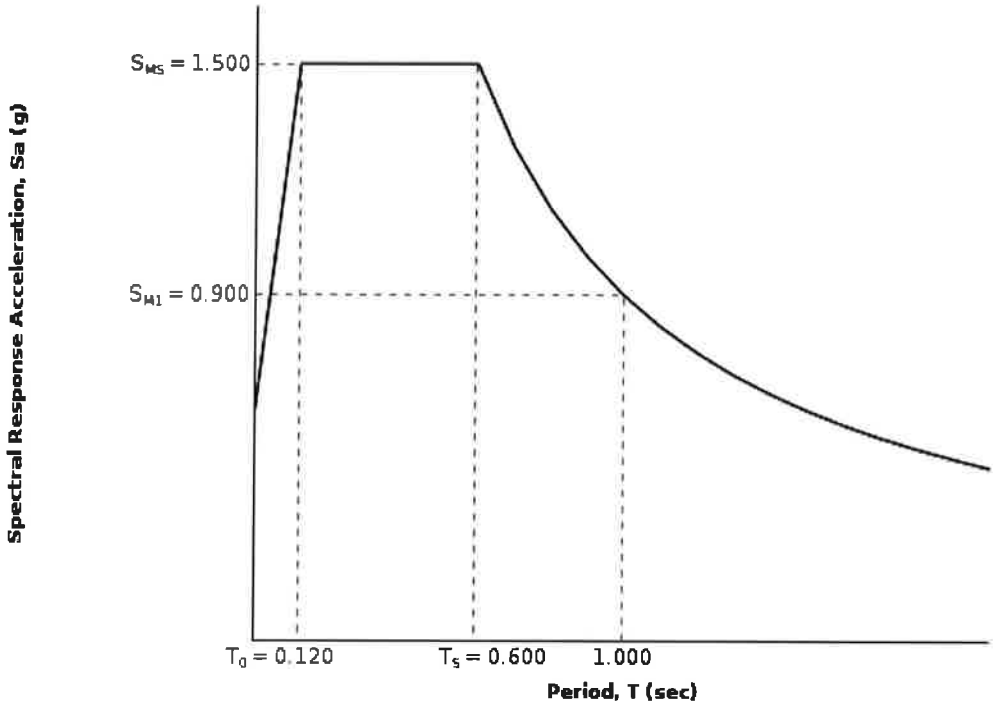
Section 11.4.6 — Risk-Targeted Maximum Considered Earthquake (MCE_R) Response Spectrum

The MCE_R Response Spectrum is determined by multiplying the design response spectrum above by 1.5.



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Section 11.8.3 — Additional Geotechnical Investigation Report Requirements for Seismic Design Categories D through F

From Figure 22-7 [4] PGA = 0.525

Equation (11.8–1): $PGA_M = F_{PGA}PGA = 1.000 \times 0.525 = 0.525$ g

Table 11.8–1: Site Coefficient F_{PGA}

Site Class	Mapped MCE Geometric Mean Peak Ground Acceleration, PGA				
	PGA ≤ 0.10	PGA = 0.20	PGA = 0.30	PGA = 0.40	PGA ≥ 0.50
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.2	1.2	1.1	1.0	1.0
D	1.6	1.4	1.2	1.1	1.0
E	2.5	1.7	1.2	0.9	0.9
F	See Section 11.4.7 of ASCE 7				

Note: Use straight–line interpolation for intermediate values of PGA

For Site Class = D and PGA = 0.525 g, F_{PGA} = 1.000

Section 21.2.1.1 — Method 1 (from Chapter 21 – Site-Specific Ground Motion Procedures for Seismic Design)

From Figure 22-17 [5] C_{RS} = 1.095

From Figure 22-18 [6] C_{R1} = 1.053

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Section 11.6 — Seismic Design Category

Table 11.6-1 Seismic Design Category Based on Short Period Response Acceleration Parameter

VALUE OF S_{DS}	RISK CATEGORY		
	I or II	III	IV
$S_{DS} < 0.167g$	A	A	A
$0.167g \le S_{DS} < 0.33g$	B	B	C
$0.33g \le S_{DS} < 0.50g$	C	C	D
$0.50g \le S_{DS}$	D	D	D

For Risk Category = I and S_{DS} = 1.000 g, Seismic Design Category = D

Table 11.6-2 Seismic Design Category Based on 1-S Period Response Acceleration Parameter

VALUE OF S_{D1}	RISK CATEGORY		
	I or II	III	IV
$S_{D1} < 0.067g$	A	A	A
$0.067g \le S_{D1} < 0.133g$	B	B	C
$0.133g \le S_{D1} < 0.20g$	C	C	D
$0.20g \le S_{D1}$	D	D	D

For Risk Category = I and S_{D1} = 0.600 g, Seismic Design Category = D

Note: When S_1 is greater than or equal to 0.75g, the Seismic Design Category is **E** for buildings in Risk Categories I, II, and III, and **F** for those in Risk Category IV, irrespective of the above.

Seismic Design Category ≡ "the more severe design category in accordance with Table 11.6-1 or 11.6-2" = D

Note: See Section 11.6 for alternative approaches to calculating Seismic Design Category.

References

1. *Figure 22-1*: http://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-1.pdf
2. *Figure 22-2*: http://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-2.pdf
3. *Figure 22-12*: http://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-12.pdf
4. *Figure 22-7*: http://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-7.pdf
5. *Figure 22-17*: http://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-17.pdf
6. *Figure 22-18*: http://earthquake.usgs.gov/hazards/designmaps/downloads/pdfs/2010_ASCE-7_Figure_22-18.pdf

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APPENDIX E

SEISMIC REFRACTION SURVEY

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TERRA GEOSCIENCES

SEISMIC REFRACTION SURVEY

PROPOSED RIO VISTA RESIDENTIAL DEVELOPMENT PROJECT

CITY OF JURUPA VALLEY, CALIFORNIA

Project No. 132644-1

June 12, 2013

Prepared for:

Leighton and Associates, Inc.
10532 Acacia Street, Suite B-6
Rancho Cucamonga, CA 91730

Consulting Engineering Geology & Geophysics

P.O. Box 1090, Loma Linda, CA 92354 • 909-796-4667

DRAFT

Leighton and Associates, Inc.
10532 Acacia Street, Suite B-6
Rancho Cucamonga, CA 91730

Attention: Mr. Phil Buchiarelli, Principal Geologist

Regarding: Seismic Refraction Survey
Proposed Rio Vista Residential Development Project
City of Jurupa Valley, California
L&A Project Number 10270.001

INTRODUCTION

As requested, this firm has performed a geophysical survey using the seismic refraction method for the above-referenced site, along the areas selected by you. The purpose of this investigation was to assess the general seismic velocity characteristics of the underlying earth materials and to evaluate whether high velocity earth materials (non-rippable) are present which could possibly indicate areas of potential excavation difficulties, and also to aid in evaluating the subsurface structure and seismic velocity distribution. Morton (2003) has mapped the underlying bedrock earth materials as being Cretaceous age granitics rocks generally described as a relatively uniform, medium-to coarse-grained equigranular gray biotite-hornblende tonalite.

As requested, the locations of the seismic survey lines have been approximated on a captured Google™ Earth image (Google™ Earth, 2013) which is presented as the Seismic Line Location Map, Plate 1. As authorized by you, the following services were performed during this study:

- **Review of available published and unpublished geologic/geophysical data in our files pertinent to the site.**
- **Performing a geophysical survey by a State of California licensed Professional Geophysicist; to include ten seismic refraction traverses.**
- **Preparation of this report, presenting our findings and conclusions with respect to the bedrock velocity characteristics and the expected excavation potentials.**

Accompanying Map and Appendices

Plate 1 - Seismic Line Location Map
Appendix A - Layer Velocity Models
Appendix B - Tomographic Models
Appendix C - Excavation Considerations
Appendix D - References

SEISMIC REFRACTION SURVEY

Methodology

The seismic refraction method consists of measuring (at known points along the surface of the ground) the travel times of compressional waves generated by an impulsive energy source and can be used to estimate the layering, structure, and seismic acoustic velocities of subsurface horizons. Seismic waves travel down and through the soils and rocks, and when the wave encounters a contact between two earth materials having different velocities, some of the wave's energy travels along the contact at the velocity of the lower layer. The fundamental assumption is that each successively deeper layer has a velocity greater than the layer immediately above it. As the wave travels along the contact, some of the wave's energy is refracted toward the surface where it is detected by a series of motion-sensitive transducers (geophones). The arrival time of the seismic wave at the geophone locations can be related to the relative seismic velocities of the subsurface layers in feet per second (fps), which can then be used to aid in interpreting both the depth and type of materials encountered.

Field Procedures

Ten seismic refraction survey lines were performed each being 200 feet in length and were located in the field where shown on the provided cut/fill map. These traverses were subsequently transferred to a Google™ Earth image for inclusion as the Seismic Line Location Map, Plate 1. A 16-pound sledge-hammer was used as an energy source to produce the seismic waves and twenty-four, 14-Hz geophones spaced at eight-foot intervals, were employed to detect both the direct and refracted waves. The seismic wave arrivals were digitally recorded in SEG-2 format on a Geometrics StrataVisor™ NZXP model signal enhancement refraction seismograph. Seven shot points were utilized along the spread using forward, reverse, and several intermediate locations in order to obtain high resolution survey data for velocity analysis and depth modeling purposes. The data was acquired using a sampling rate of 0.0625 milliseconds having a record length of 0.08 seconds with no acquisition filters.

During acquisition, the seismograph provides both a hard copy and screen display of the seismic wave arrivals, of which are digitally recorded on the in-board seismograph computer. The data on the paper record and/or display screen were used to analyze the arrival time of the primary seismic "P"-waves at each geophone station, in the form of a wiggle trace for quality control purposes in the field. Each geophone and shot location was surveyed using a hand level and ruler for relative topographic correction, with "0" representing the lowest point along the survey line.

Data Processing

All of the recorded data was subsequently transferred to our office computer for further processing, analyzing, and printing purposes, using the computer programs **SIPwin** (**S**eismic Refraction **I**nterpretation **P**rogram for **Win**dows) developed by Rimrock Geophysics, Inc. (2004), and **Rayfract™** (Intelligent Resources, Inc., 1996-2013).

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SIPwin is a ray-trace modeling program that evaluates the subsurface using layer assignments based on time-distance curves and is better suited for layered media, using the "Seismic Refraction Modeling by Computer" method (Scott, 1973). The first step in the modeling procedure is to compute layer velocities by least-squares techniques. Then the program uses the delay-time method to estimate depths to the top of layer-2. A forward modeling routine traces rays from the shot points to each geophone that received a first-arrival ray refracted along the top of layer-2. The travel time of each such ray is compared with the travel time recorded in the field by the seismic system. The program then adjusts the layer-2 depths so as to minimize discrepancies between the computed ray-trace travel times and the first arrival times picked from the seismic waveform record. The process of ray tracing and model adjustment is repeated a total of six times to improve the accuracy of depths to the top of layer-2. This first-arrival picks were then used to generate the Layer Velocity Models using the **SIPwin** computer program, which presents the subsurface velocities as individual layers and is presented within Appendix A for reference. In addition, the Time-Distance Plots for each survey line also appears in Appendix A, which shows the individual data picks of the first "P-wave" arrival times, for reference.

Rayfract™ is a seismic refraction tomography software program that models subsurface refraction, transmission, and diffraction of acoustic waves which generally indicates the relative structure and velocity distribution of the subsurface using first break energy propagation modeling. An initial 1D gradient model is created using the Delta-t-V method which gives a good initial fit between modeled and picked first breaks. This initial model is then refined automatically with a true 2D WET (Wavepath Eikonal Traveltime) tomographic inversion (Schuster and Quintus-Bosz, 1993). WET tomography models multiple signal propagation paths contributing to one first break, whereas conventional ray tracing tomography is limited to the modeling of just one ray per first break. This computer program performs the analysis by using the first-arrival P-wave times (see Time-Distance Plots, Appendix A) and line geometry that were derived from the **SIPwin** analyses.

SUMMARY OF GEOPHYSICAL INTERPRETATION

To begin our discussion, it is important to consider that the seismic velocities obtained within bedrock materials are influenced by the nature and character of the localized major structural discontinuities (foliation, fracturing, relic bedding, etc.), creating anisotropic conditions. Anisotropy (direction-dependent properties of materials) can be caused by "micro-cracks," jointing, foliation, layered or inter-bedded rocks with unequal layer stiffness, small-scale lithologic changes, etc. (Barton, 2007). Velocity anisotropy complicates interpretation and it should be noted that the seismic velocities obtained during this survey may have been influenced by the nature and character of any localized structural discontinuities within granitic bedrock underlying the subject site. Generally, it is expected that higher (truer) velocities will be obtained when the seismic waves propagate along direction (strike) of the dominant structure, with a damping

effect when the seismic waves travel in a perpendicular direction. Such variable directions can result in velocity differentials of between 2% to 40% (Barton, 2007) depending upon the degree of the structural fabric (i.e., weakly-moderately-strongly foliated, respectively). Therefore, the seismic velocities obtained during our field study and as discussed below, should be considered minimum velocities at this time.

The analysis of the data was performed using the two methods as previously discussed. The first method described below is the traditional layer method (**SIPwin**). Using this method, it should be understood that the data obtained represents an average of seismic velocities within any given layer. For example, high seismic velocity boulders, dikes, or other local lithologic inconsistencies, may be isolated within a low velocity matrix, thus yielding an average medium velocity for that layer. Therefore, in any given layer, a range of velocities could be anticipated, which can also result in a wide range of excavation characteristics. In general, the site where locally surveyed was noted to be characterized by three major subsurface layers with respect to seismic velocities. The following velocity layer summaries have been prepared using the **SIPwin** analysis, with the representative Layer Velocity Models presented within Appendix A.

- Velocity Layer V1:

  This uppermost velocity layer (V1) is most likely comprised of topsoil, alluvium, colluvium, and/or completely-weathered and fractured bedrock. This layer has an average weighted velocity of 1,320 to 2,330 fps, which is typical for near-surface earth materials and/or completely-weathered bedrock. Locally, the relatively higher V1 velocity materials (>2,000 ft/sec) may possibly indicate the presence of older alluvial deposits mantling the bedrock or possibly surficial weathered bedrock.

- Velocity Layer V2:

  The second layer (V2) yielded seismic velocities of 3,374 to 4,504 fps, indicating the presence of highly- to moderately-weathered bedrock materials, which are typical for the near surface weathered zone commonly found in granitic rocks in the southern California region. This velocity either indicates the presence of homogeneous weathered granitic bedrock with a relatively wide spacing of the local joint/fracture system and/or the possibility of buried relatively-fresher boulders within a decomposed bedrock matrix. Either subsurface conditions or both could exist.

- Velocity Layer V3:

  The third layer (V3) indicates the presence of moderate- to slightly-weathered bedrock, with a wide range of average weighted velocities between 5,688 to 11,773 fps. This wide range of velocities may be in part due to varying lithologic constituents within the bedrock and/or localized weathering effects as a function of depth. These velocities most likely indicate a relatively less-weathered crystalline bedrock matrix that has a wide-spaced fracture system or possibly a moderately-weathered bedrock matrix with abundant widely-scattered buried fresh large crystalline boulders.

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Using the computer program **Rayfract™**, Refraction Tomographic Models were also prepared (see Appendix B) for comparative purposes to better illustrate the general structure and velocity distribution of the subsurface. Although no discrete velocity layers or boundaries are created, the tomographic models generally resemble the corresponding average **SIPwin** velocities. For comparison purposes between the survey lines, these models utilized the same relative color velocity scheme. Several of the models indicate the potential for buried corestone rock or lithologic inconsistencies as evidenced by localized lateral velocity contrasts. As expected, below the surficial earth materials the seismic velocity of the bedrock increases with depth.

GENERALIZED RIPPABILITY CHARACTERISTICS OF BEDROCK

A summary of the generalized rippability characteristics of bedrock based on a compilation of rippability performance charts prepared by Caterpillar, Inc. (2004), Caltrans (Stephens, 1978), and Santi (2006), has been provided to aid in evaluating potential excavation difficulties with respect to the seismic velocities obtained along the local areas surveyed. These seismic velocity ranges and rippability potentials have been tabulated below for reference.

TABLE 1- CATERPILLAR RIPPABILITY CHART (D9 Ripper)

Granitic Rock Velocity (feet/sec ±)	Rippability
< 6,800	Rippable
6,800 – 8,000	Moderately Rippable
> 8,000	Non-Rippable

Additionally, we have provided the Caltrans Rippability Chart as presented below within Table 2 for comparison. These values are from published Caltrans studies (Stephens, 1978) that are based on their experience which are more conservative than Caterpillar's rippability charts. It should be noted that the type of bedrock was not indicated.

TABLE 2- STANDARD CALTRANS RIPPABILITY CHART

Velocity (feet/sec ±)	Rippability
< 3,500	Easily Ripped
3,500 – 5,000	Moderately Difficult
5,000 – 6,600	Difficult Ripping / Light Blasting
> 6,600	Blasting Required

Table 3 is partially modified from the "Engineering Behavior from Weathering Grade" as presented by Santi (2006), which also provides velocity ranges with respect to rippability potentials, along with other rock engineering properties that are pertinent for this study.

TABLE 3- SUMMARY OF ROCK ENGINEERING PROPERTIES

ENGINEERING PROPERTY:	Slightly Weathered	Moderately Weathered	Highly Weathered	Completely Weathered
Excavatability	Blasting necessary	Blasting to rippable	Generally rippable	Rippable
Slope Stability	½ :1 to 1:1 (H:V)	1:1 (H:V)	1:1 to 1.5:1 (H:V)	1.5:1 to 2:1 (H:V)
Schmidt Hammer Value	51 – 56	37 – 48	12 – 21	5 – 20
Seismic Velocity (fps)	8,200 – 13,125	5,000 – 10,000	3,300 – 6,600	1,650 – 3,300

A summary of the generalized rippability characteristics of granitic bedrock has been provided to aid in evaluating potential excavation difficulties with respect to the seismic velocities obtained along the local areas surveyed. The velocity ranges that are described below are approximate and assume typical, good-working, heavy excavation equipment, such as single shank or D9R dozer, such as described by Caterpillar, Inc. (2000 and 2004); however, different excavating equipment (i.e., trenching equipment) may not correlate well with these velocity ranges.

Trenching operations within granitic bedrock materials with seismic velocities generally greater than 4,000±-fps, typically encounter very difficult to non-productable conditions. The seismic velocity ranges described below are considered approximate and assume typical, good-working, heavy excavation equipment, such as a D9R/D9T dozer, such as described by Caterpillar, Inc. (2000 and 2004).

- **Rippable Condition (0 - 4,000± ft/sec)**:

  This velocity range indicates rippable materials which may consist of alluvial-type deposits and decomposed granitic bedrock, with random hardrock floaters. These materials typically break down into silty sands (depending on parent lithologic materials), whereas floaters will require special disposal. Some areas containing numerous hardrock floaters may present utility trench problems. Large floaters exposed at or near finished grade may present problems for footing or infrastructure trenching.

- **Marginally Rippable Condition (4,000± - 7,000± ft/sec)**:

  This range of seismic velocities indicates materials which may consist of moderately weathered bedrock and/or large areas of fresh bedrock materials separated by weathered fractured zones. These bedrock materials are generally rippable with difficulty by a Caterpillar D9R or equivalent. Excavations may produce material that will partially break down into a coarse, silty to clean sand, with a high percentage of very coarse sand to pebble-sized material depending on the parent bedrock lithology. Less fractured or weathered materials will probably require blasting to facilitate removal.

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- **Non-Rippable Condition (7,000± ft/sec or greater)**:

  This velocity range includes non-rippable material consisting primarily of moderately fractured bedrock at lower velocities and only slightly fractured or unfractured rock at higher velocities. Materials in this velocity range may be marginally rippable, depending upon the degree of fracturing and the skill and experience of the operator. Tooth penetration is often the key to ripping success, regardless of seismic velocity. If the fractures and joints do not allow tooth penetration, the material may not be ripped effectively; however, pre-blasting or "popping" may induce sufficient fracturing to permit tooth entry. In their natural state, materials with these velocities are generally not desirable for building pad grade, due to difficulty in footing and utility trench excavation. Blasting will most likely produce oversized material, requiring special disposal.

GEOLOGIC & EARTHWORK CONSIDERATIONS

To evaluate whether a particular bedrock material can be ripped or excavated, this geophysical survey should be used in conjunction with the geologic and/or geotechnical report and/or information gathered for the subject project which may describe the physical properties of the bedrock. The physical characteristics of bedrock materials that favor ripping generally include the presence of fractures, faults, and other structural discontinuities, weathering effects, brittleness or crystalline structure, stratification or lamination, large grain size, moisture permeated clay, and low compressive strength. If the bedrock is foliated and/or fractured at depth, this structure could aid in excavation production.

Unfavorable bedrock conditions can include such characteristics as massive and homogeneous formations, non-crystalline structure, absence of planes of weakness, fine-grained materials, and formations of clay origin where moisture makes the material plastic. Use of these physical bedrock conditions along with the subsurface velocity characteristics as presented within this report should aid in properly evaluating the type of equipment that will be necessary and the production levels that can be anticipated for this project.

A summary of excavation considerations has been included within Appendix C in order to provide you and your client with a better understanding of the complexities of excavation in bedrock materials. These concepts should be understood so that proper planning and excavation techniques can be employed by the selected grading contractor. For purposes of the discussion in this report with respect to the expected bedrock rippability characteristics, we are assuming that a D9R dozer will be used as a minimum. Smaller excavating equipment will most likely result in slower production rates and possible refusal within relatively lower velocity bedrock materials. The decision for blasting of the bedrock materials for facilitating the excavation is sometimes made based upon economic production reasons and not solely on the rippability (velocity/hardness) characteristics of the bedrock.

SUMMARY OF FINDINGS AND CONCLUSIONS

The raw field data was considered to be of good quality which had only minor amounts of ambient "noise" that was introduced during our survey that originated predominantly from wind sources. Analysis of the data and picking of the primary "P"-wave arrivals was performed with only minor difficulty, with very little interpolation of data being necessary.

Based on the results of our comparative seismic analyses of both computer programs **SIPwin** and **Rayfract™** (of which both software programs use exactly the same input data), the seismic refraction survey line models appear to generally coincide with one another, with some minor variances due to the methods that these programs process and integrate the input data. The anticipated excavation potentials of the velocity layers encountered locally during our survey are as follows:

- Velocity Layer V1:

  No excavating difficulties are expected to be encountered within the uppermost, low-velocity layer V1 (average weighted velocity of 1,320 to 2,330 fps) and should excavate with conventional ripping. This layer is expected to be comprised of topsoil, alluvium, colluvium, and/or completely-weathered and fractured bedrock. It is important to note that locally, fresher boulders should be anticipated within this layer based on large bedrock outcroppings noted locally across the site.

- Velocity Layer V2:

  The second layer V2 is believed to consist of highly- to moderately-weathered granitic bedrock materials (average weighted velocity of 3,374 to 4,504 fps) and is expected to excavate with slight to moderate difficulty. Isolated floaters (i.e., boulders, corestones, etc.) also should be expected to be present within this layer and will most likely produce very difficult conditions locally. Localized blasting cannot be ruled out if this layer is composed of numerous buried fresher corestones within a decomposed rock matrix. Placement of infrastructure within this velocity layer may require significant breaking and/or blasting to obtain desired grade.

- Velocity Layer V3:

  The third layer V3 is highly variable with respect to seismic velocities and is believed to consist of moderate- to slightly-weathered bedrock. Very hard excavation difficulties within this deeper velocity layer (average weighted velocity of 5,688 to 11,773 fps) are anticipated. This layer may consist of relatively fresher homogeneous bedrock with wide-spaced fracturing, or may contain higher velocity scattered boulders, dikes, and other lithologic variables, within a relatively lower velocity bedrock matrix. Significant blasting will be required within this velocity layer within areas where the velocities exceed 7,000± ft/sec to achieve desired grade, including any infrastructure.

Based on the tomographic models and typical excavation characteristics observed within granitic bedrock of the southern California region, anticipation of gradual increasing hardness with depth along with lateral variations (generally due to the presence of buried corestones, dikes, or other lithologic variations), should be anticipated. Using the rock classifications as presented within Tables 1 through 3, seismic wave velocities of less than 6,600± to 6,800± fps are generally noted to be within the threshold for conventional ripping and therefore, significant blasting should be anticipated within any higher velocity materials (>7,000± fps) where locally encountered.

It should be also noted that any large surficial boulders/outcrops that mantle the hillsides (if present) will require special consideration when encountered during grading. It may be necessary to blast or use other special mechanical means to remove these surficial rocks or reduce them down into useable earth work materials. These rocks are the remnant corestones that were originally interspersed within weathered bedrock that has since been removed by erosion over the geologic past.

CLOSURE & LIMITATIONS

The field survey was performed by the undersigned on May 20 and 21, 2013 using "state of the art" geophysical equipment and techniques along selected portions of the subject study area as directed by you. The seismic data was further evaluated using recently developed tomographic inversion techniques to provide a more thorough analysis and understanding of the subsurface structural conditions. It should be noted that our data was obtained along only ten specific locations therefore other areas in the local vicinity beyond the limits of our seismic lines may contain different velocity layers and depths not encountered during our field survey. Additional survey traverses may be necessary to further evaluate the excavation characteristics across other portions of the site where cut grading will be proposed. Estimates of layer velocity boundaries as presented in this report are generally considered to be within 10± percent of the total depth of the contact.

In summary, the results of this seismic refraction survey are to be considered as an aid to assessing the rippability and excavation potentials of the bedrock locally. This information should be carefully reviewed by the grading contractor and representative "test" excavations with the proposed type of excavation equipment for the proposed construction should be considered, so that they may be correlated with the data presented within this report.

It should be understood that the fundamental limitation for seismic refraction surveys is known as nonuniqueness, wherein a specific seismic refraction data set does not provide sufficient information to determine a single "true" earth model. Therefore, the interpretation of any seismic data set uses "best-fit" approximations along with the geologic models that appear to be most reasonable for the local area being surveyed. Client should also understand that when using the theoretical geophysical principles

interpretation of any seismic data set uses "best-fit" approximations along with the geologic models that appear to be most reasonable for the local area being surveyed. Client should also understand that when using the theoretical geophysical principles and techniques discussed in this report, sources of error are possible in both the data obtained and in the interpretation and that the results of this survey may not represent actual subsurface conditions. These are all factors beyond **Terra Geosciences** control and no guarantees as to the results of this survey can be made. We make no warranty, either expressed or implied. If the client does not understand the limitations of this geophysical survey, additional input should be sought from the consultant.

Respectfully submitted,
TERRA GEOSCIENCES

Donn C. Schwartzkopf
Principal Geophysicist
PGP 1002

SEISMIC LINE LOCATION MAP

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PROJECT NO. 132644-1

PLATE 1

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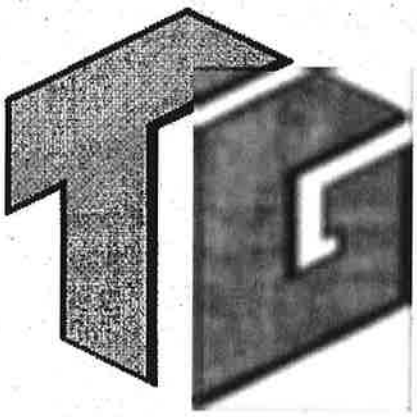
APPENDIX A

LAYER VELOCITY MODELS



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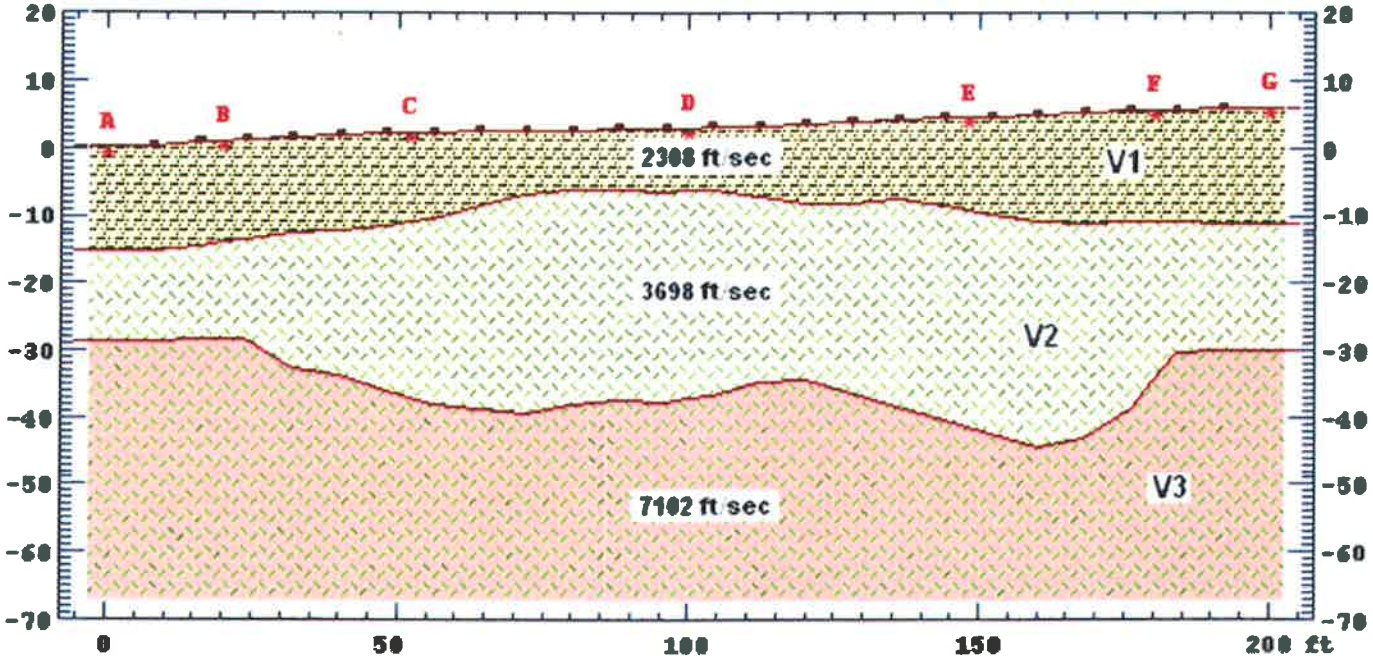
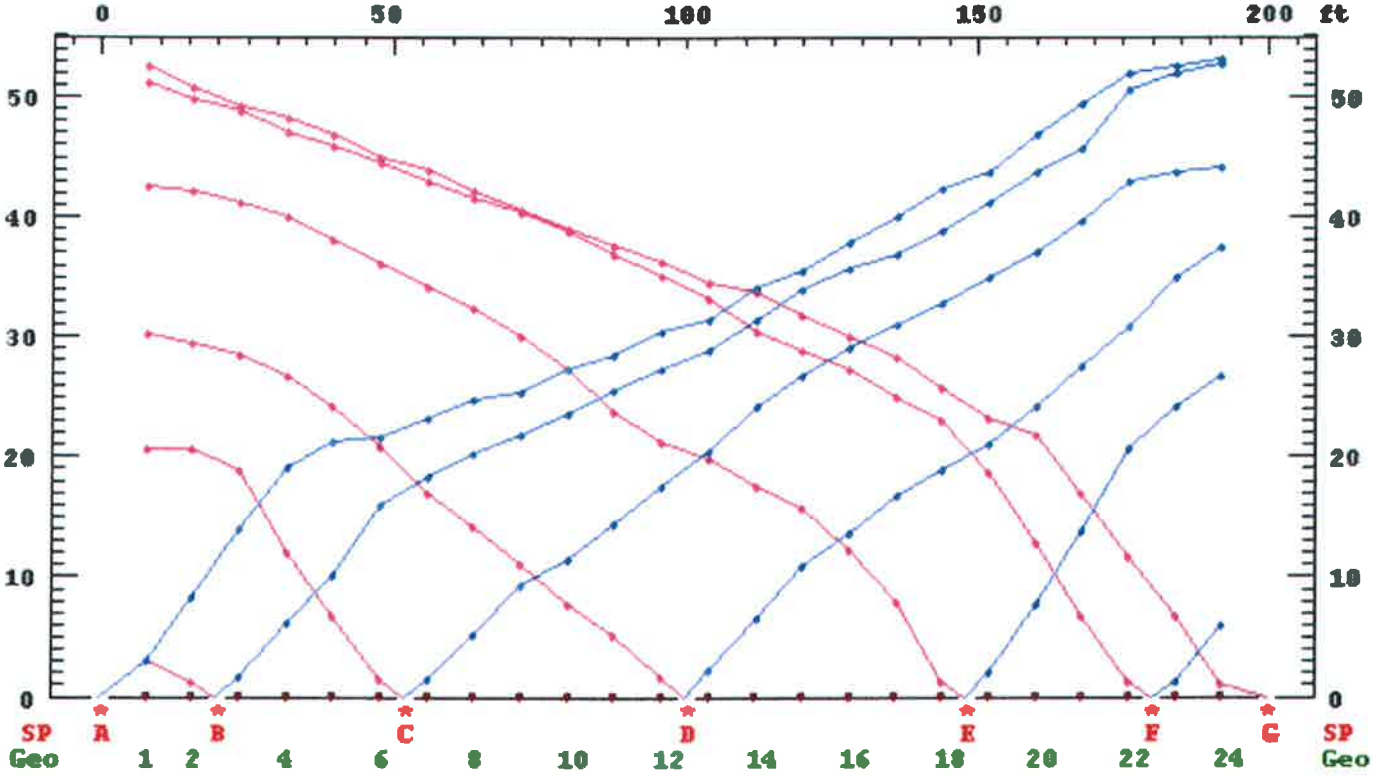
SEISMIC LINE S-1

< South - North >

LAYER VELOCITY MODEL



TIME-DISTANCE PLOT



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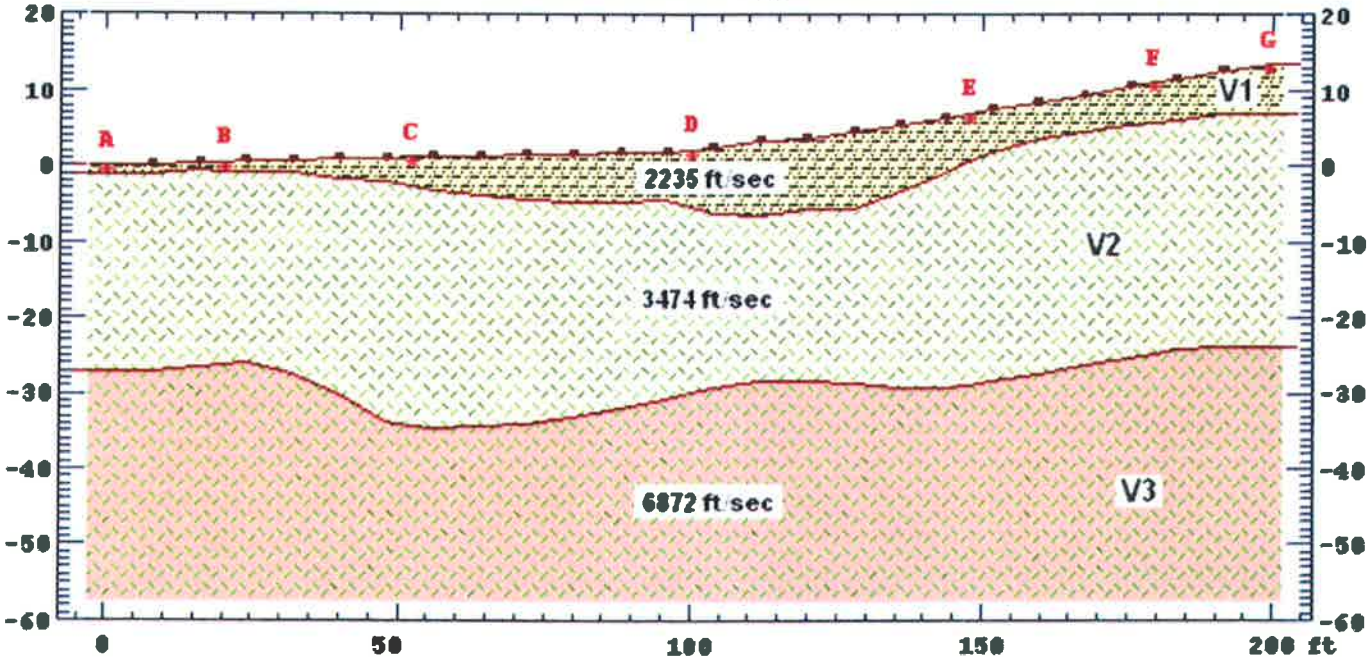
SEISMIC LINE S-2

North 10° West >

LAYER VELOCITY MODEL



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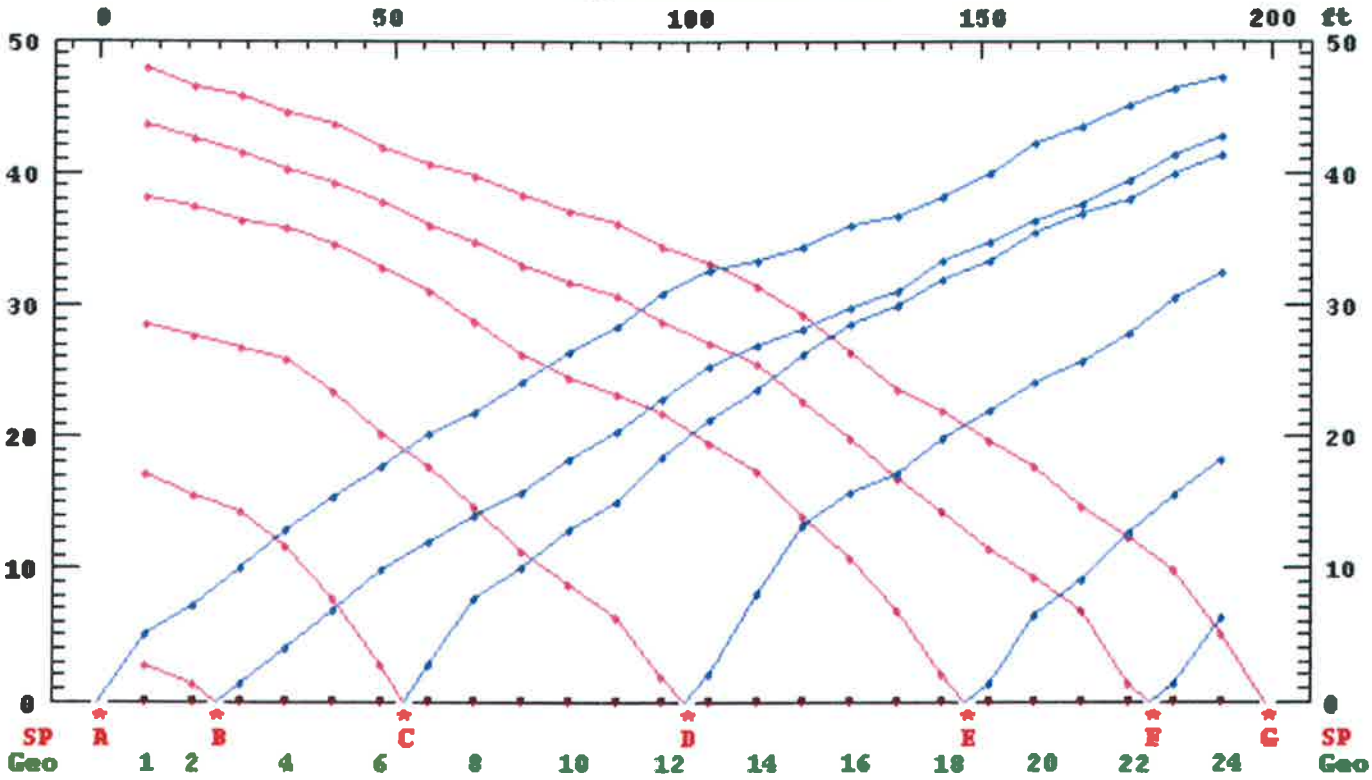

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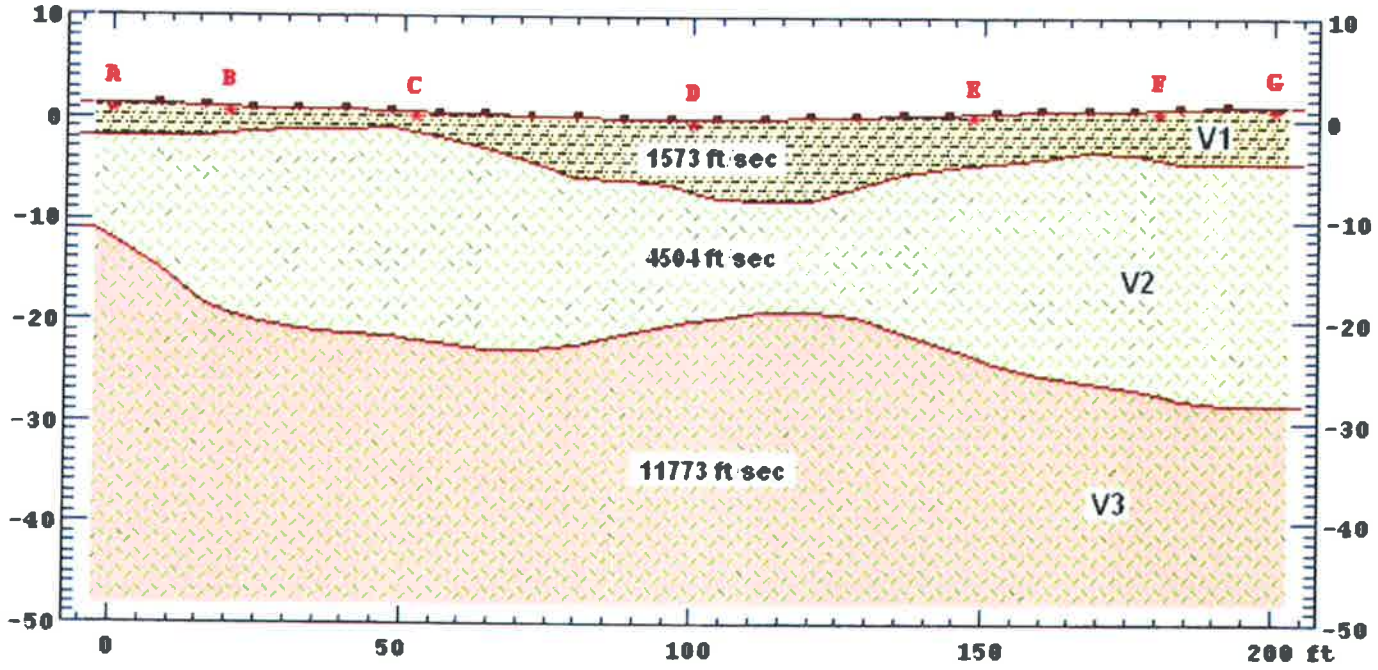
SEISMIC LINE S-3

North 35° East >

LAYER VELOCITY MODEL



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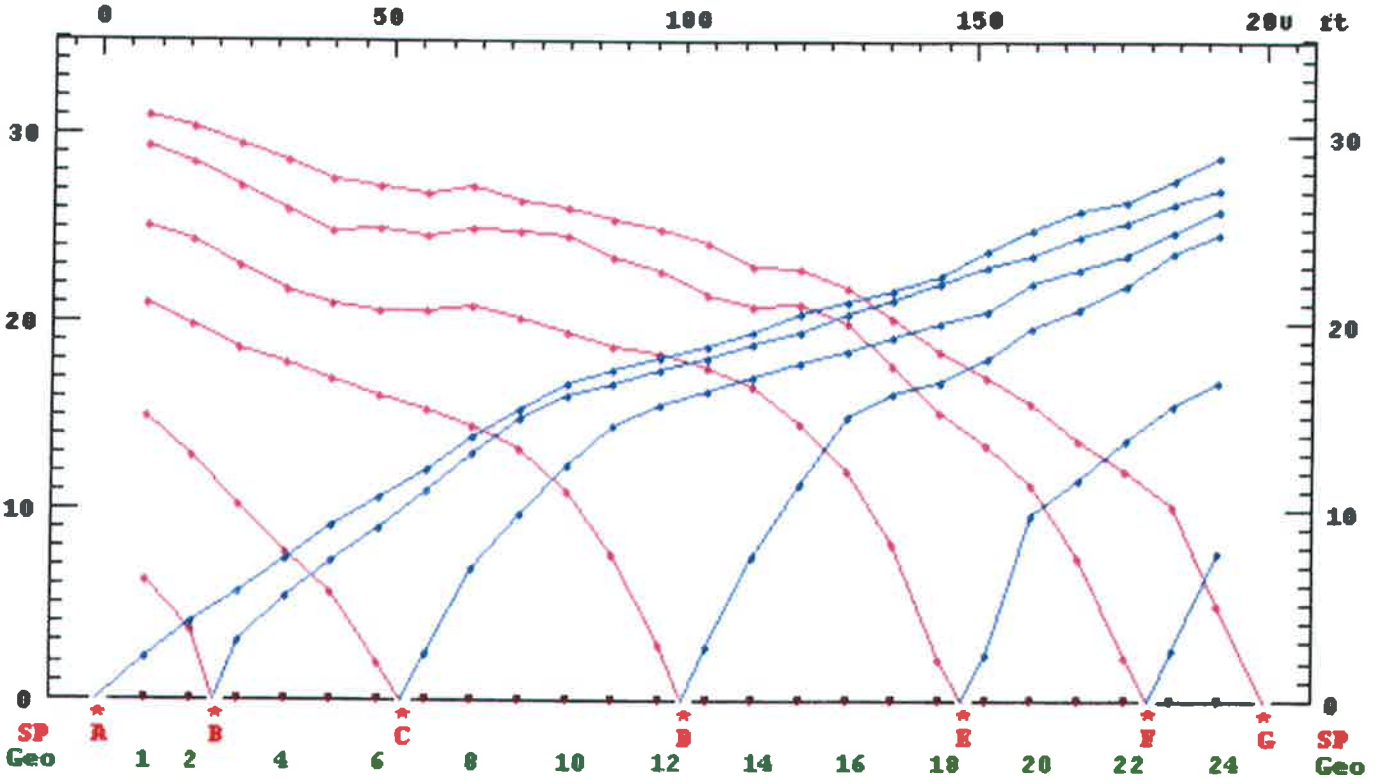

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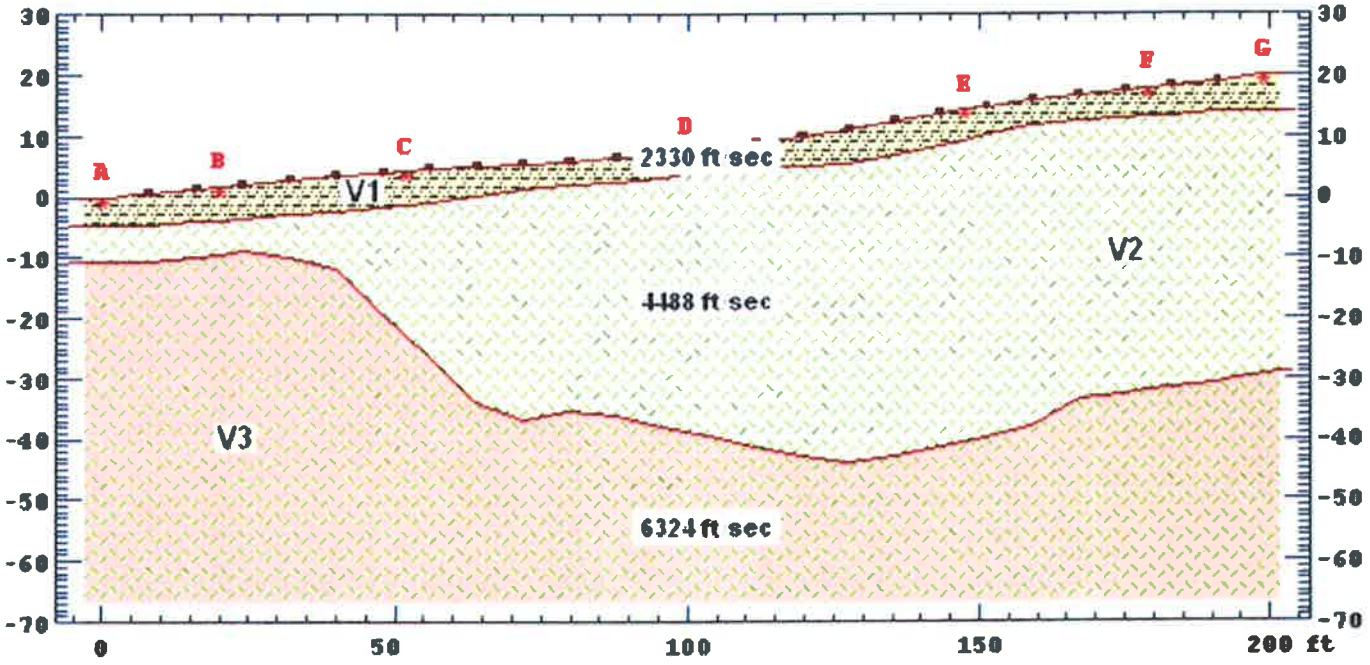
SEISMIC LINE S-4

North 40° East >

LAYER VELOCITY MODEL



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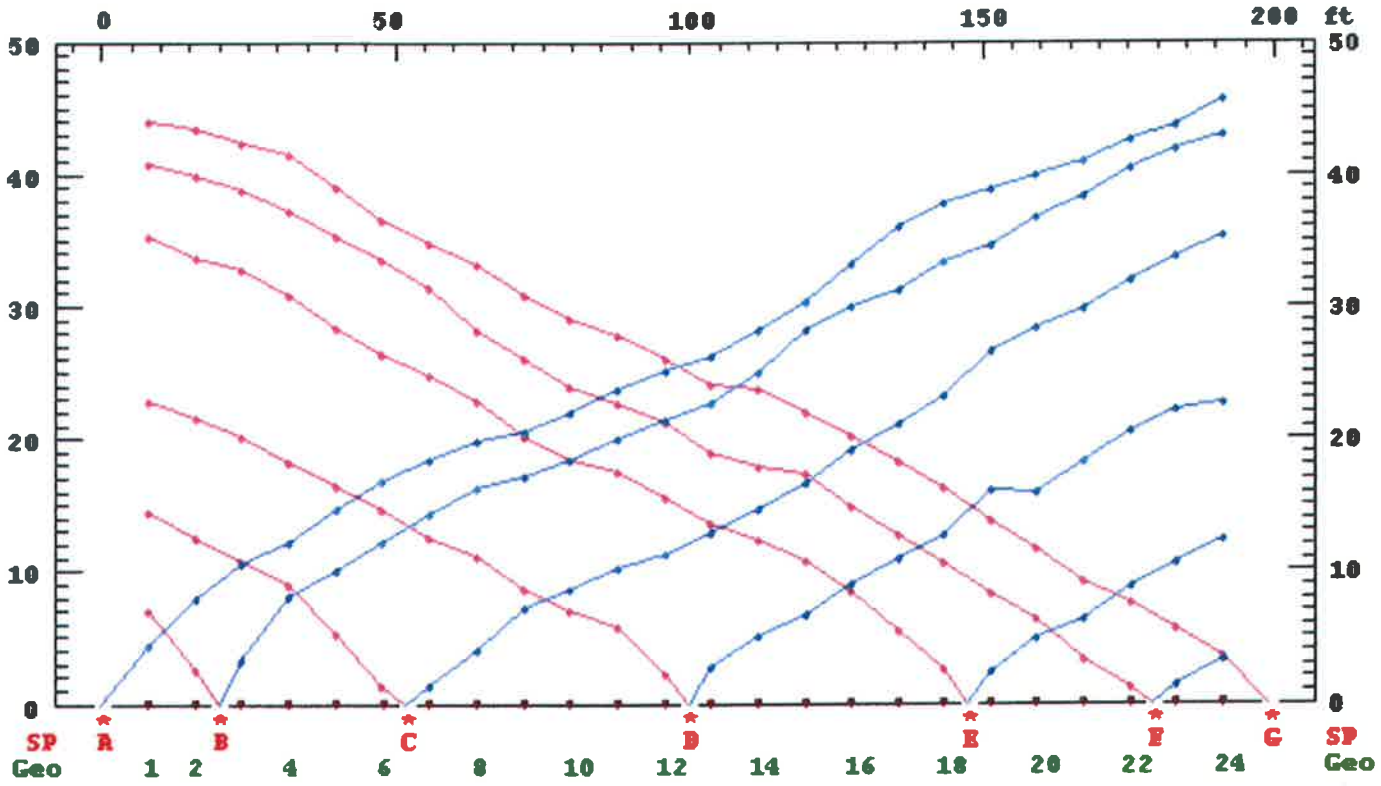

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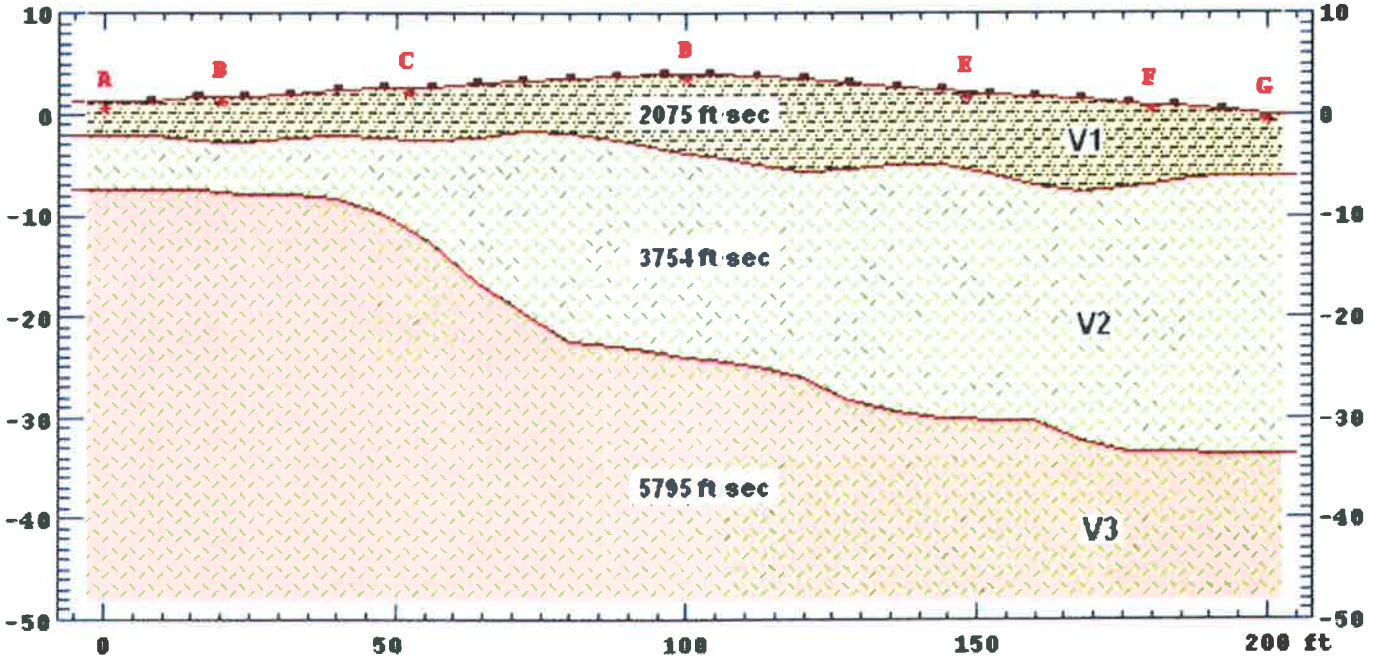
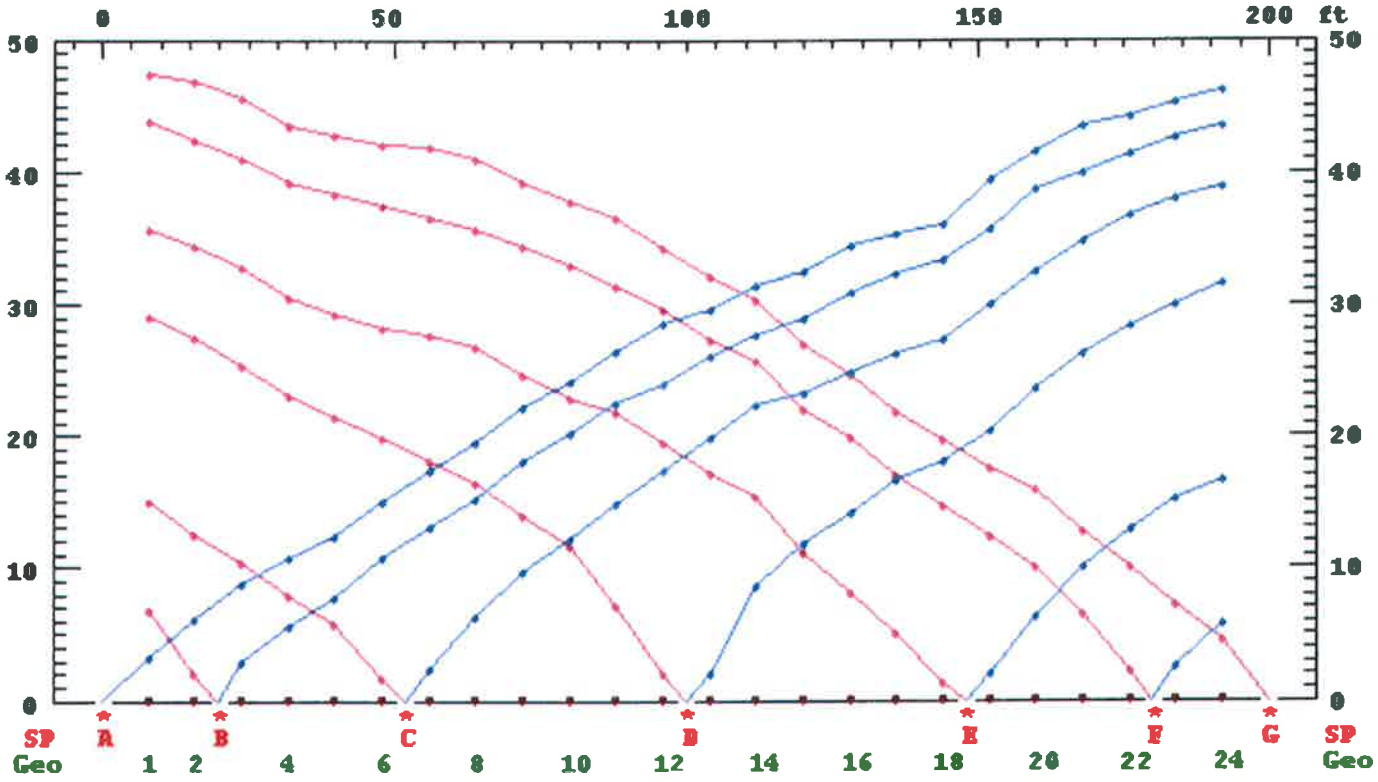
SEISMIC LINE S-5

North 45° East >

LAYER VELOCITY MODEL



TIME-DISTANCE PLOT



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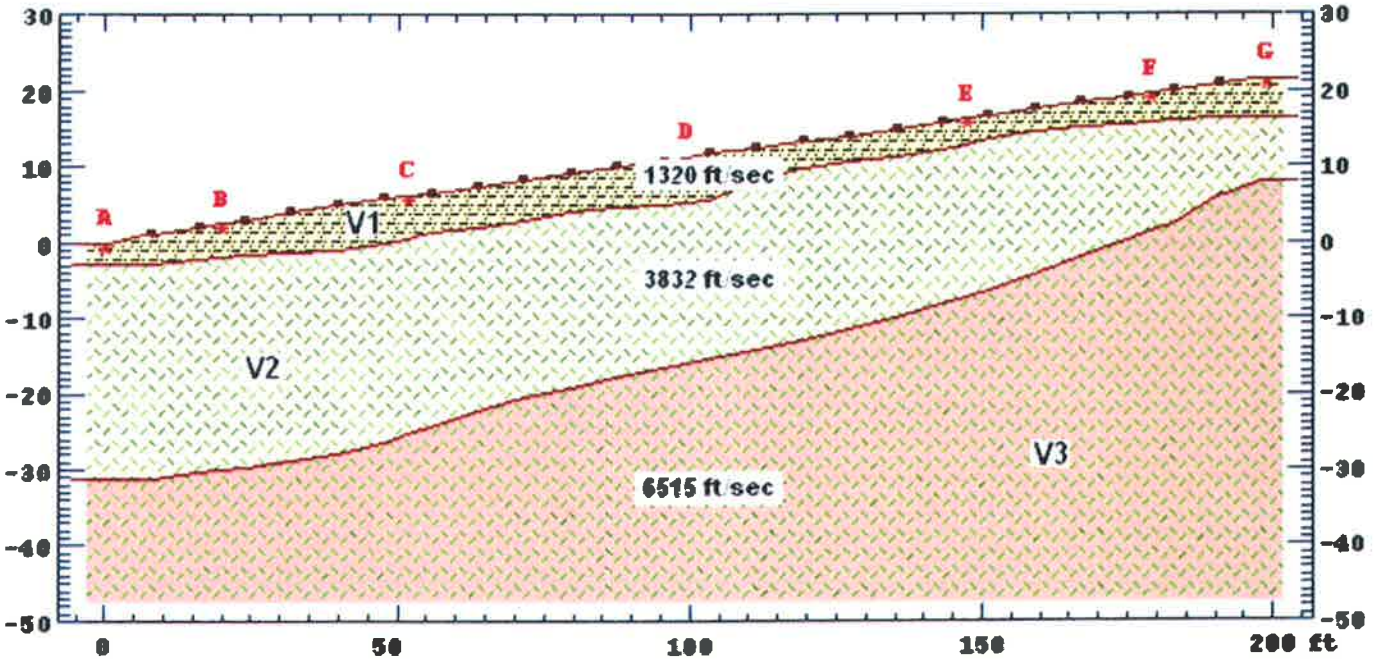
SEISMIC LINE 6-6

South 10° East >

LAYER VELOCITY MODEL



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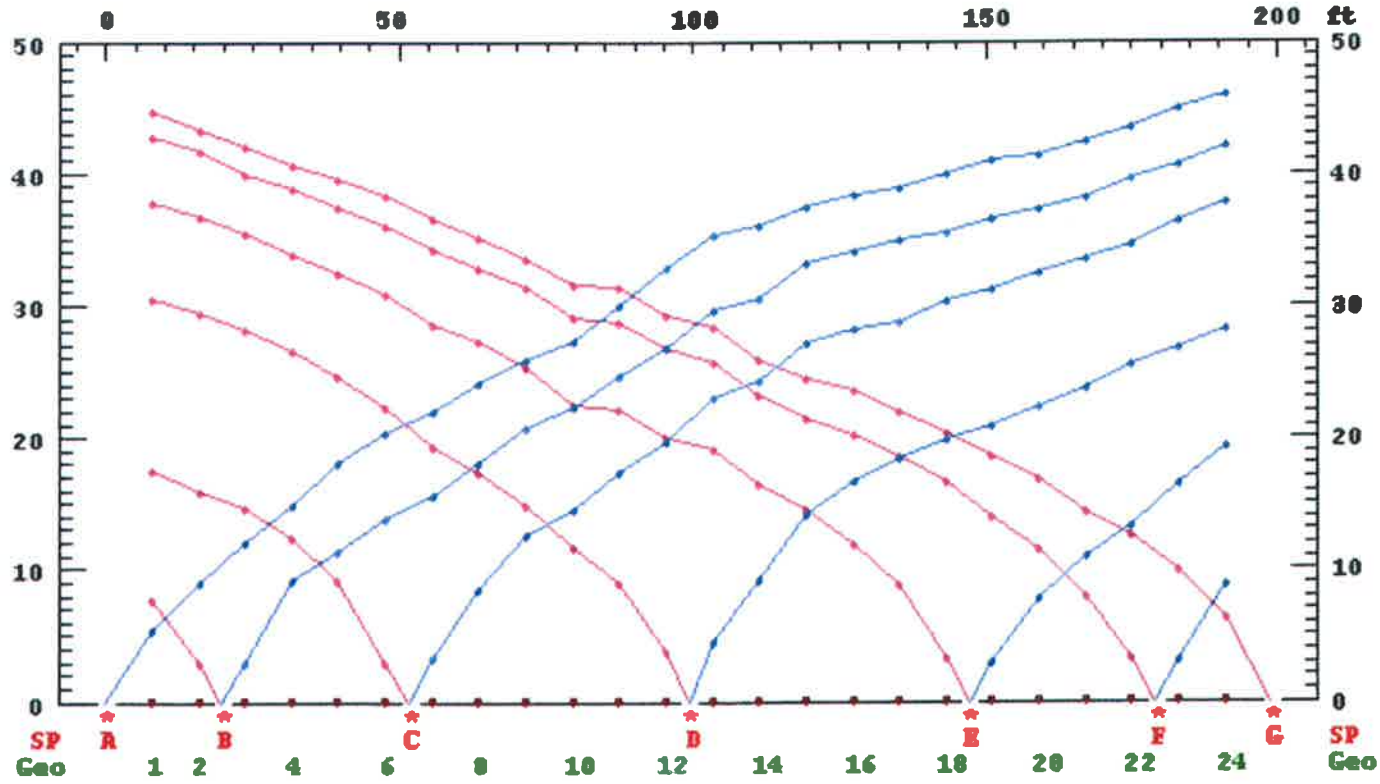

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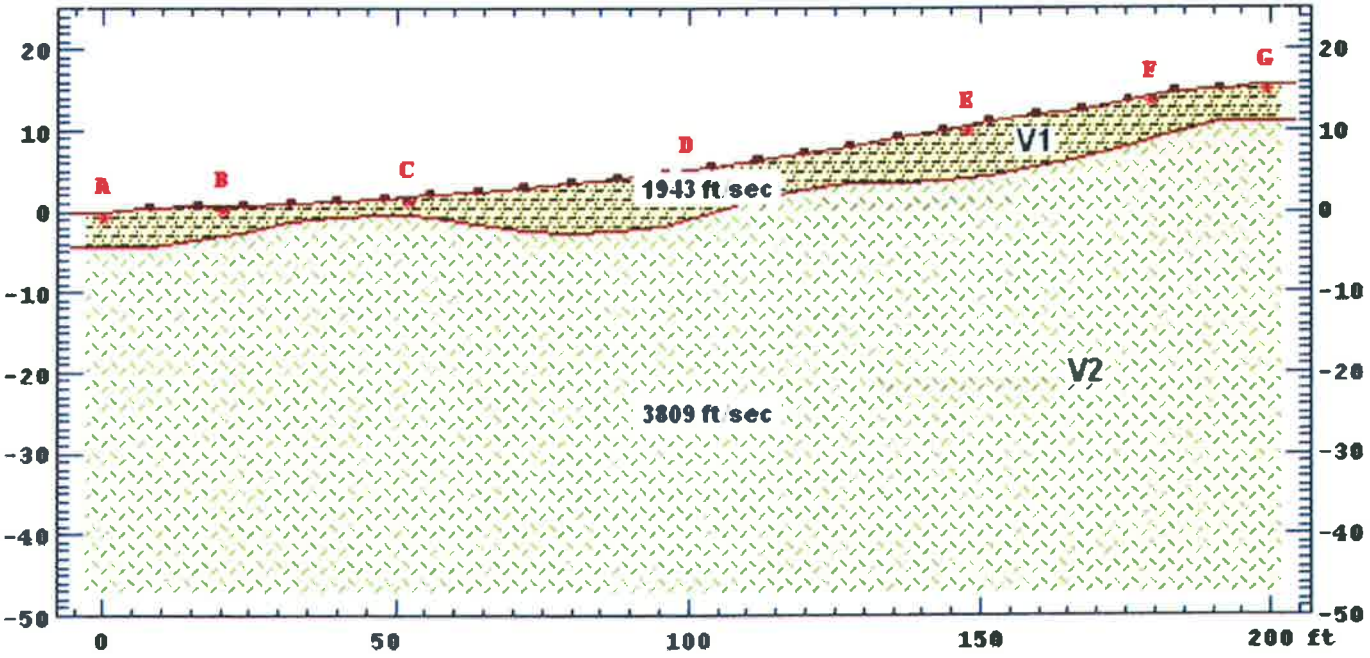
SEISMIC LINE S-7

South 85° East >

LAYER VELOCITY MODEL



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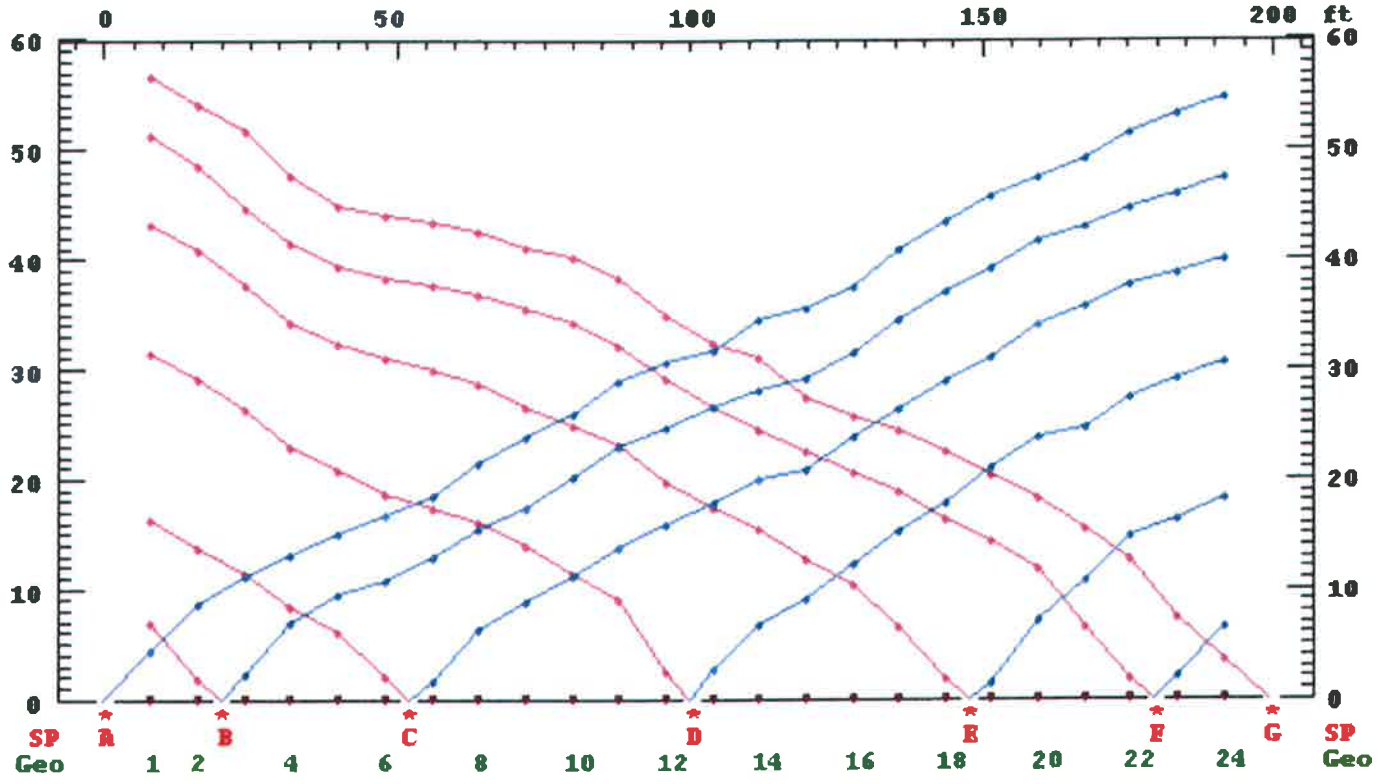

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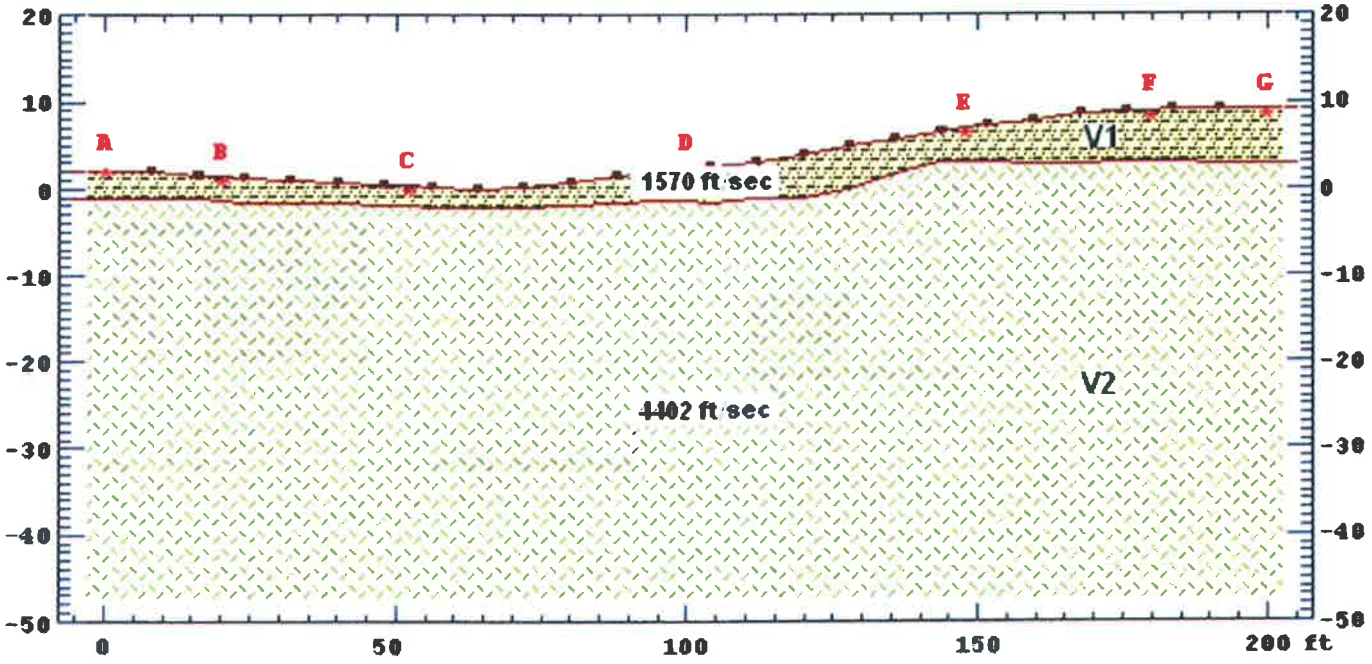
SEISMIC LINE S-8

North 55° East >

LAYER VELOCITY MODEL



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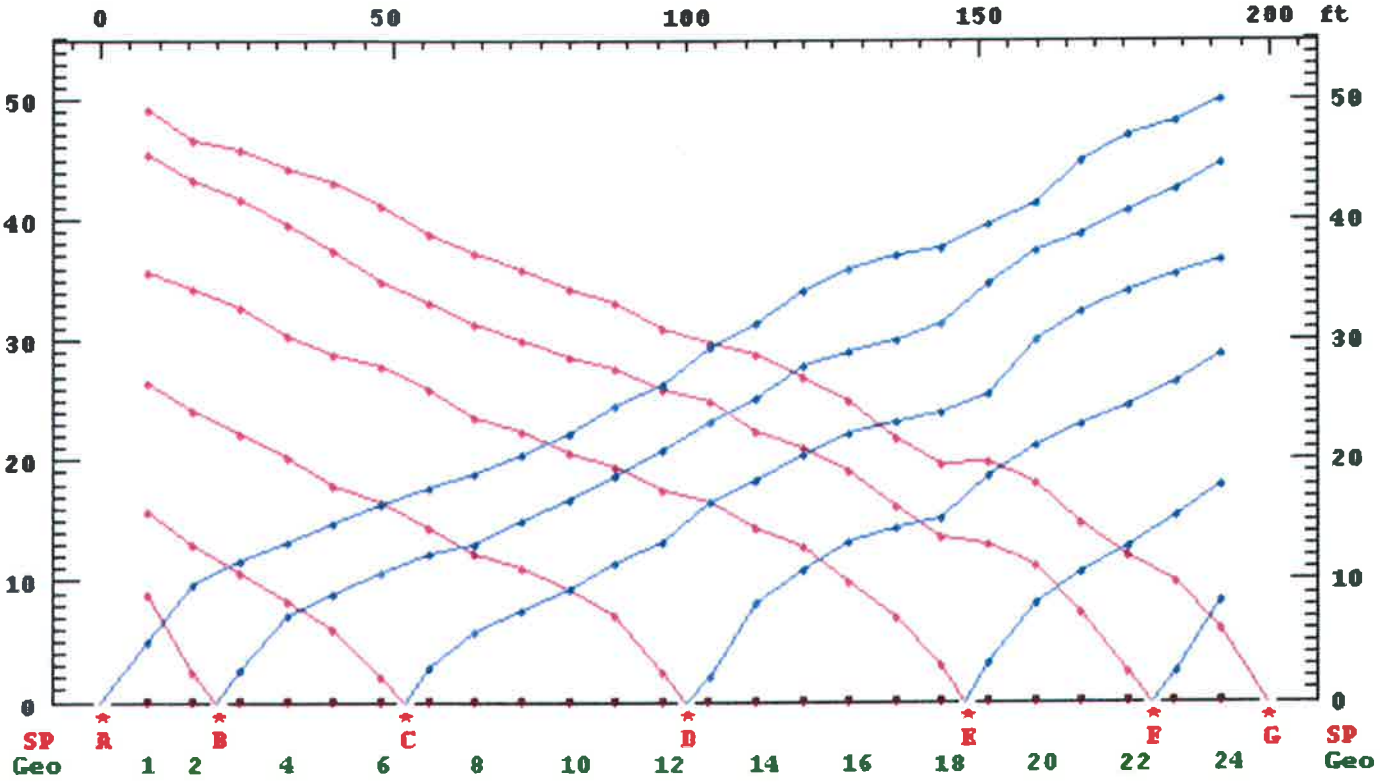

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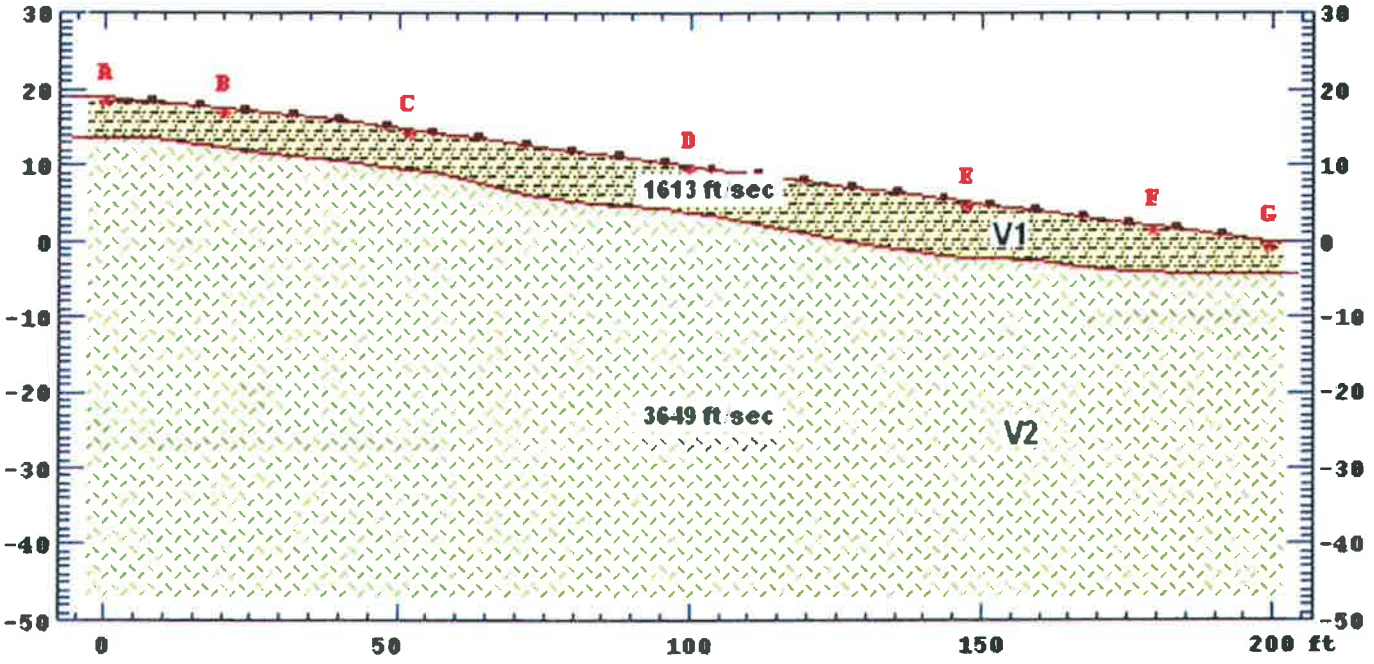
SEISMIC LINE S-9

South 35° East >

LAYER VELOCITY MODEL



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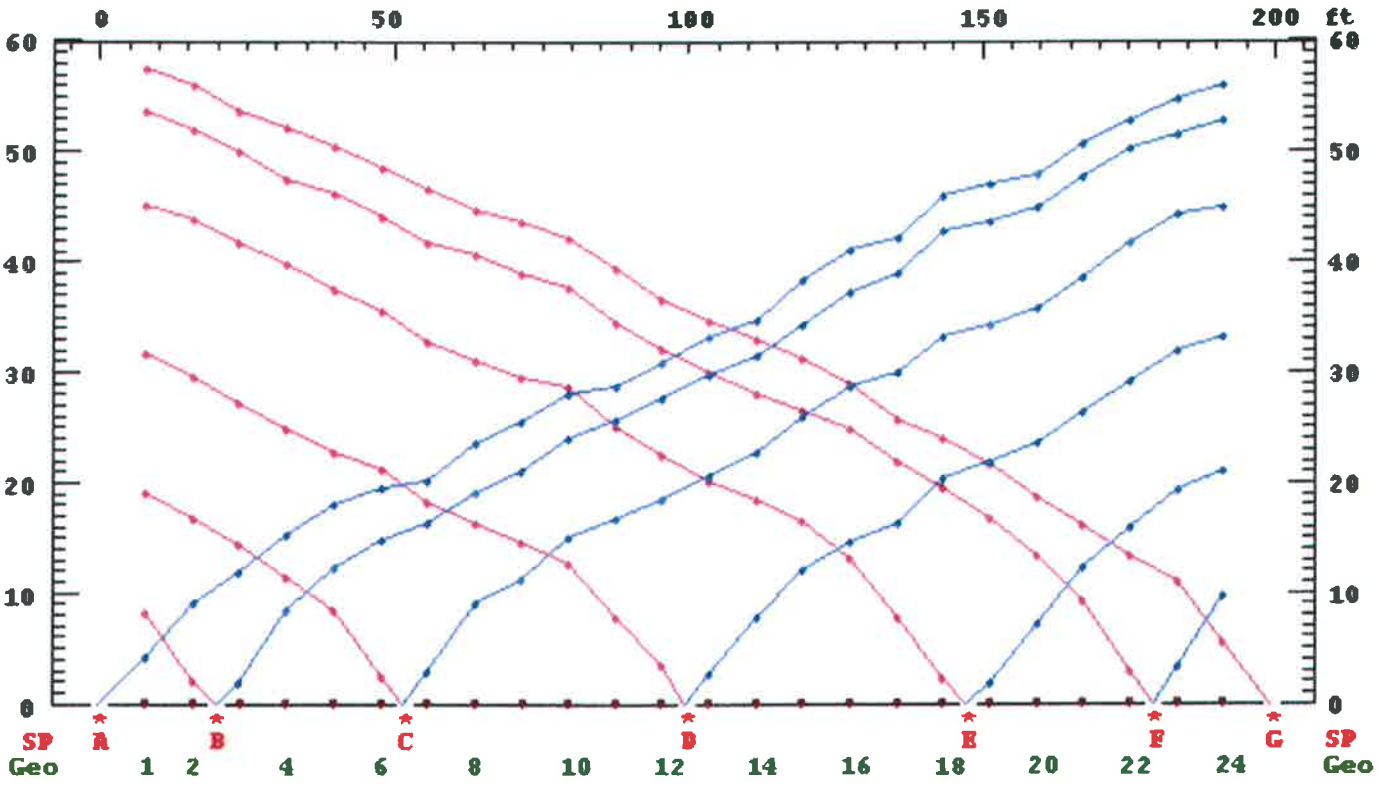

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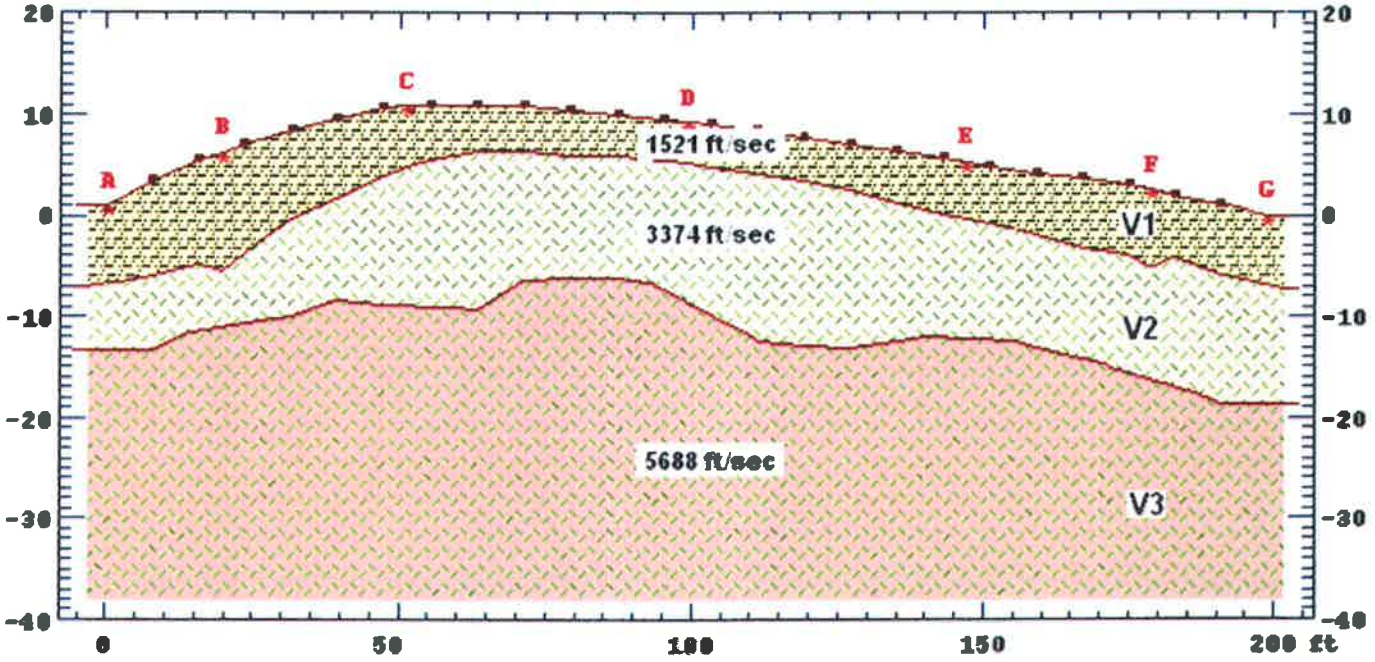
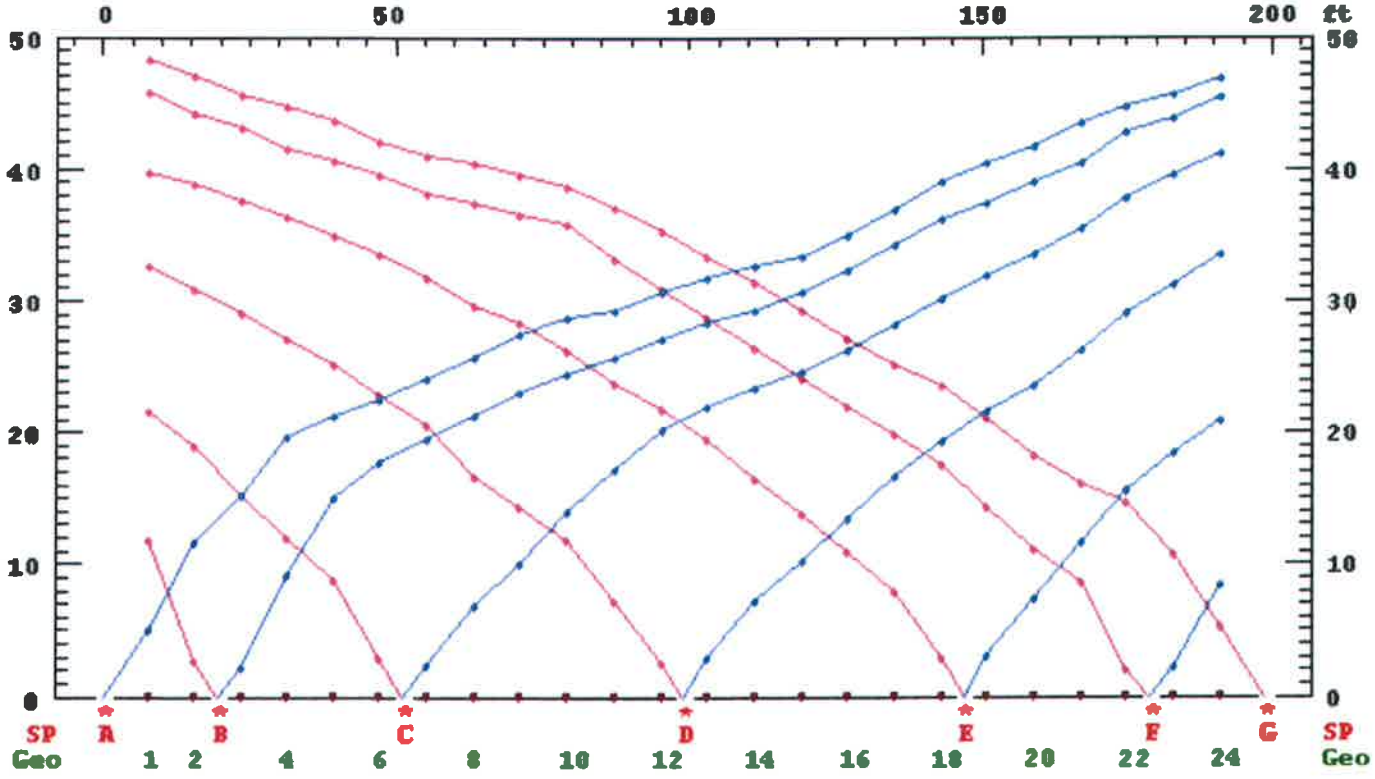
SEISMIC LINE S-10

North 10° East >

LAYER VELOCITY MODEL



TIME-DISTANCE PLOT



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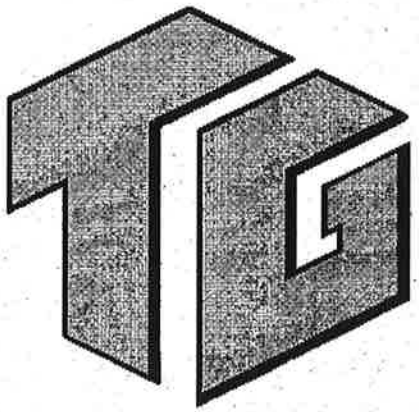
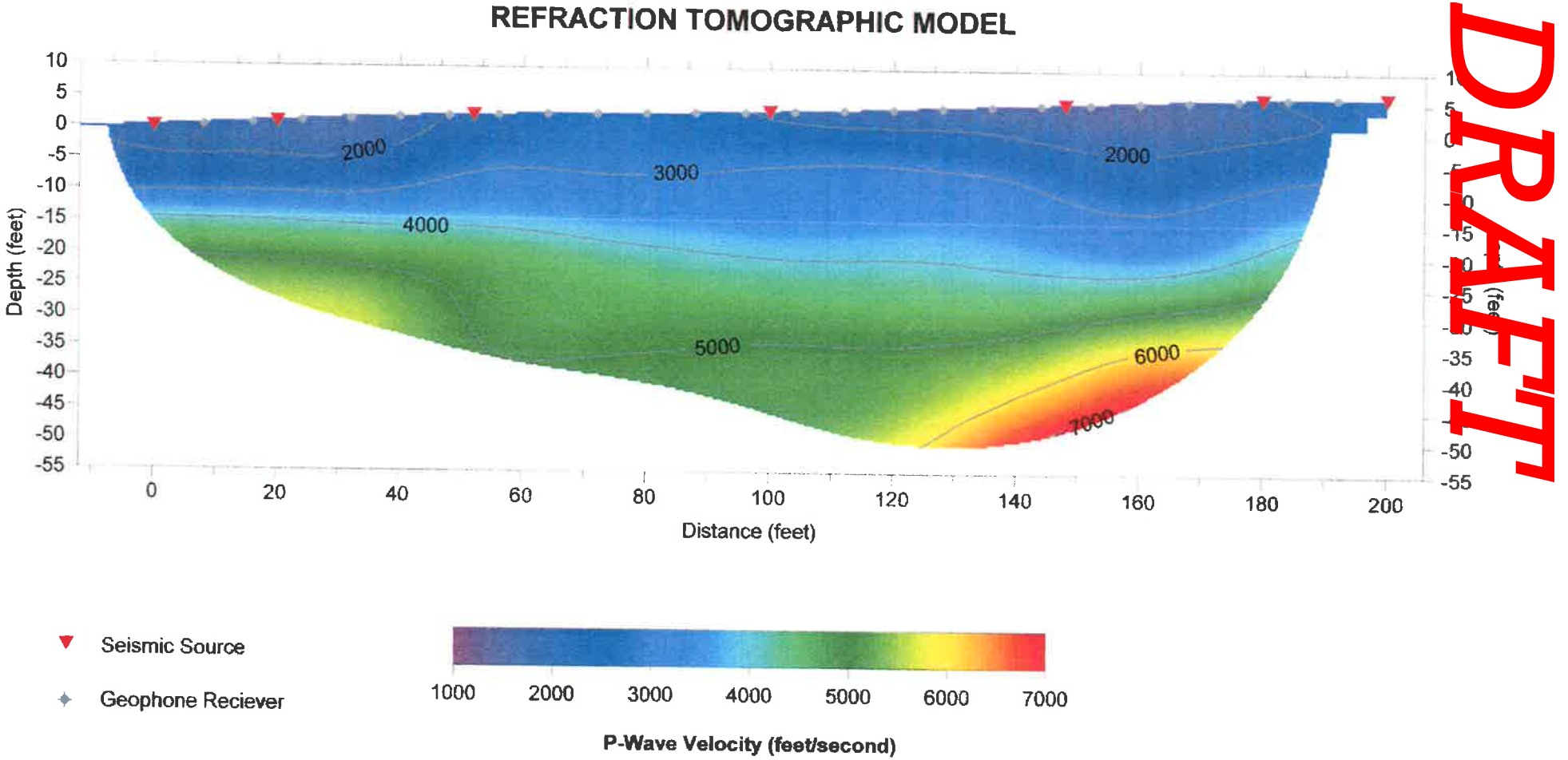
APPENDIX B

REFRACTION TOMOGRAPHIC MODELS



SEISMIC LINE S-1

← South - North →



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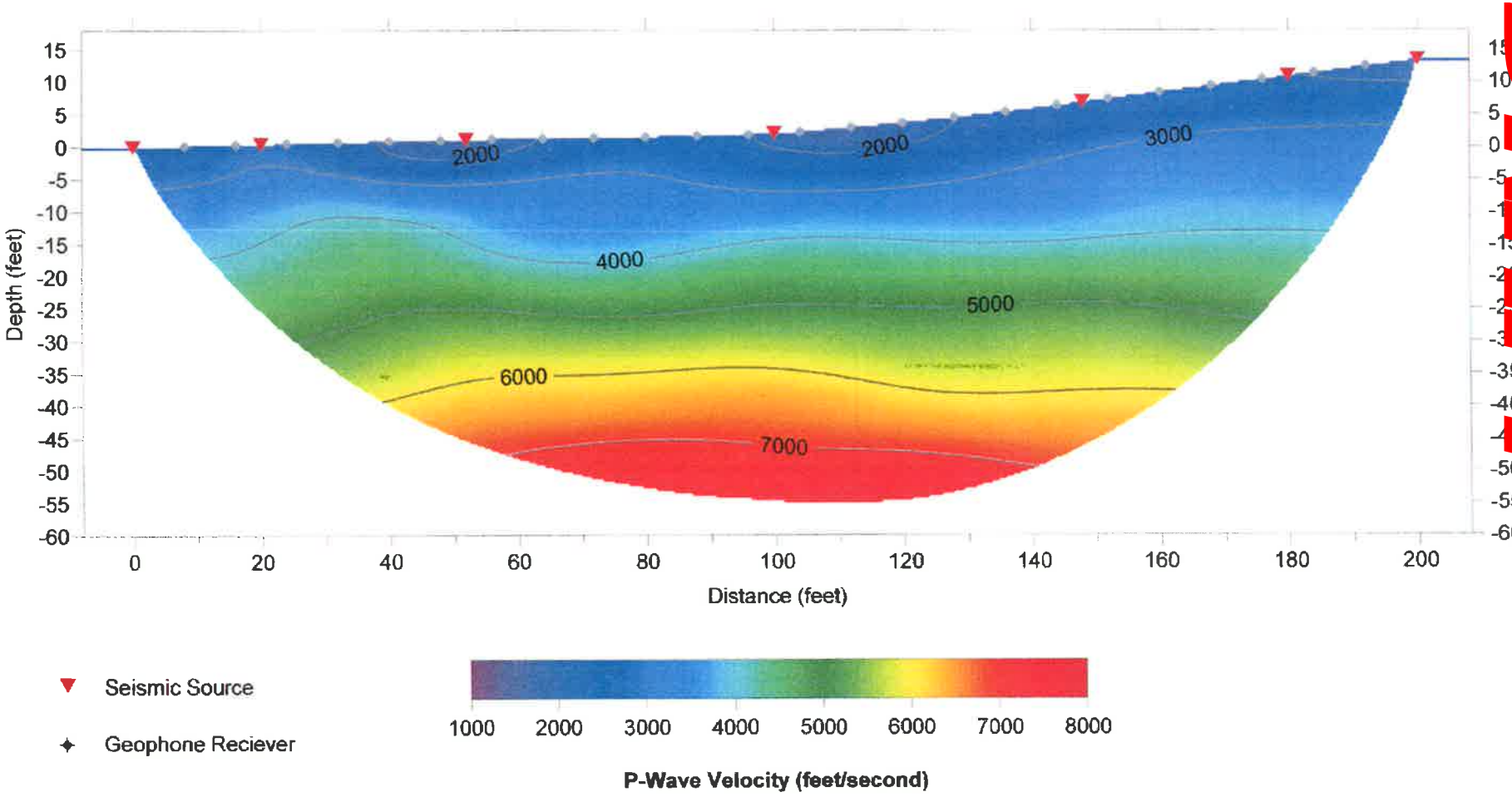
RMS error 1.6 %, Rayfract Version 3.24

SEISMIC LINE S-2

North 10° West →

REFRACTION TOMOGRAPHIC MODEL



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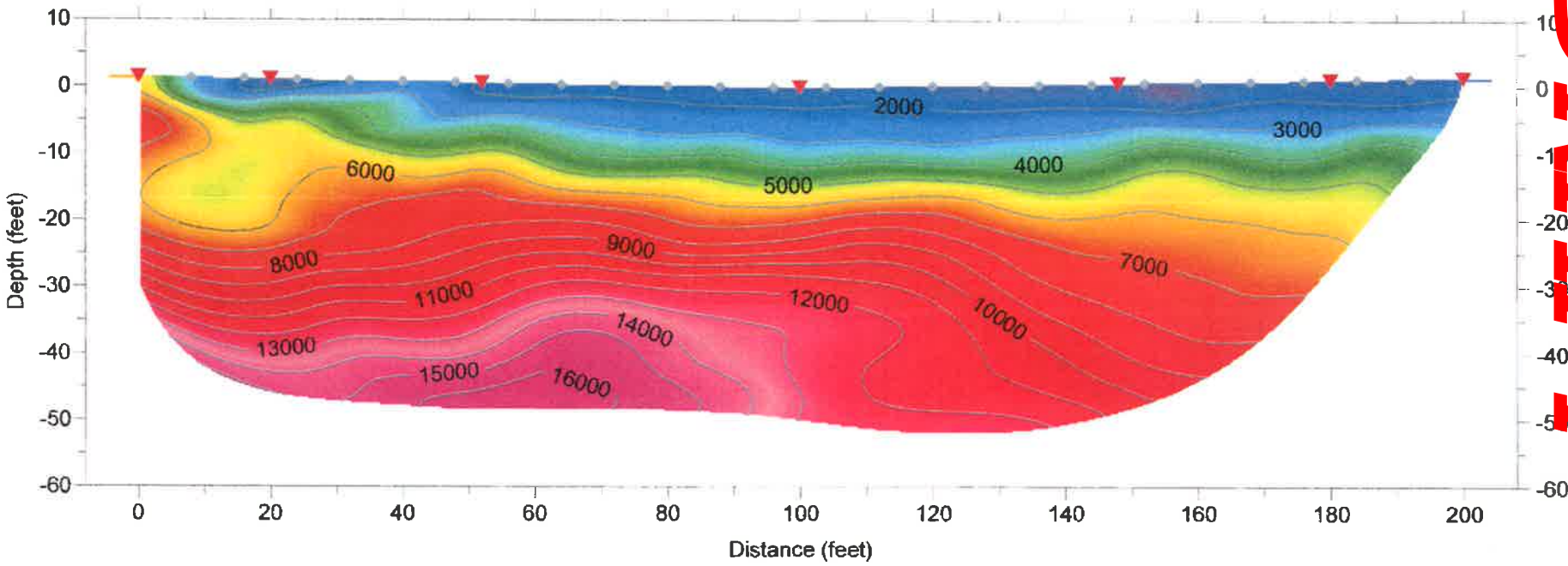
RMS error 2.0 %, Rayfract Version 3.24

SEISMIC LINE S-3

North 35° East →

REFRACTION TOMOGRAPHIC MODEL



DRAFT

▼ Seismic Source

✦ Geophone Reciever

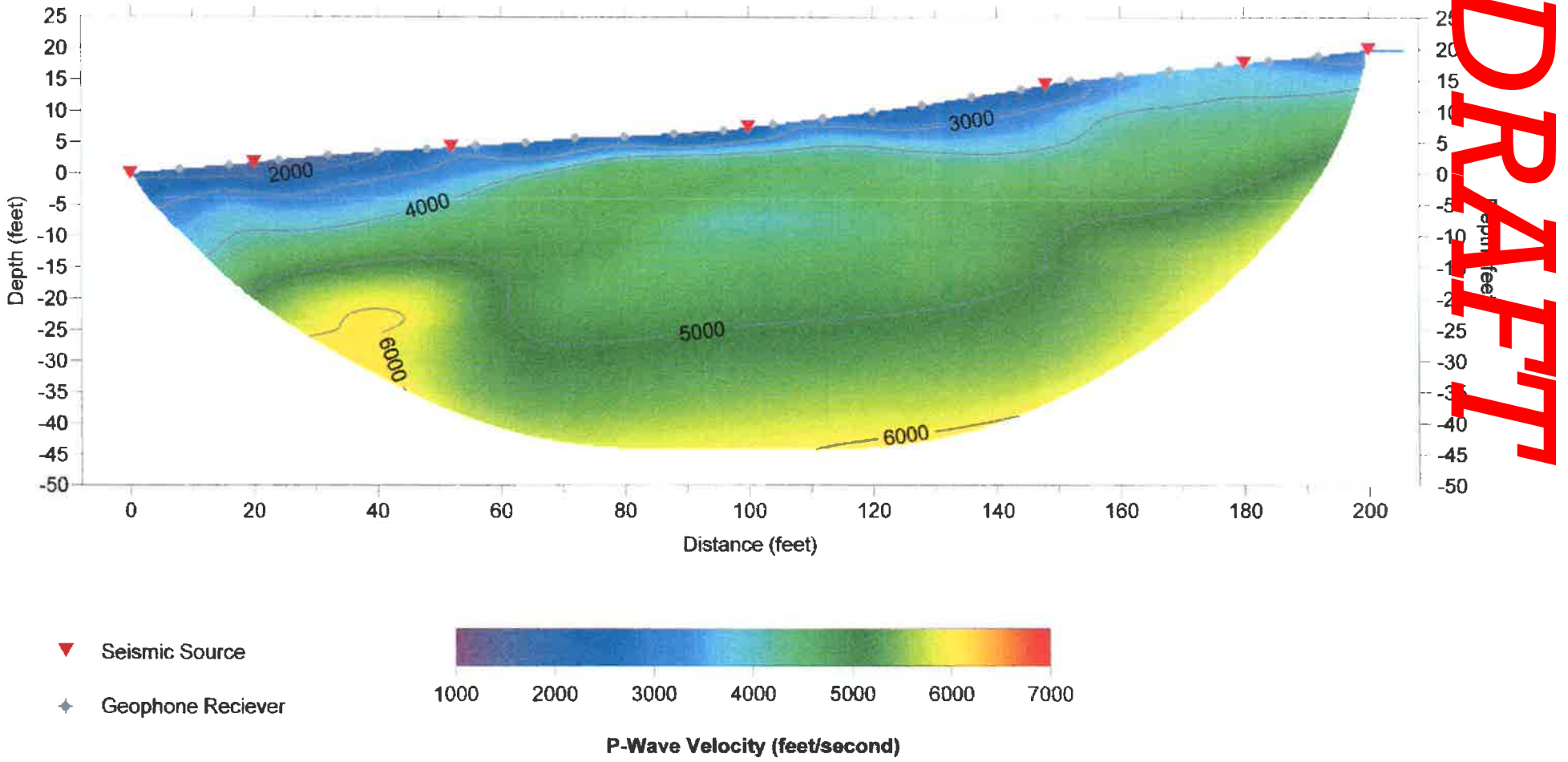
P-Wave Velocity (feet/second)

RMS error 1.9 %, Rayfract Version 3.24

SEISMIC LINE S-4

North 40° East →

REFRACTION TOMOGRAPHIC MODEL



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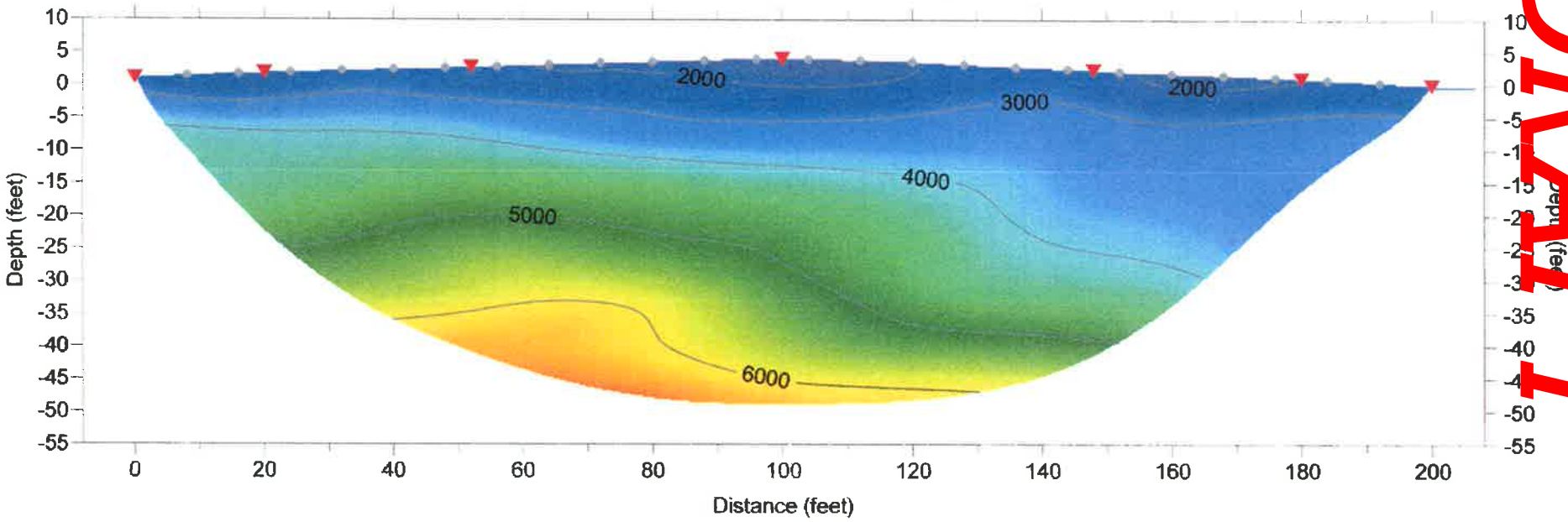
RMS error 1.3 %, Rayfract Version 3.24

SEISMIC LINE S-5

North 45° East →

REFRACTION TOMOGRAPHIC MODEL



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Seismic Source

Geophone Reciever

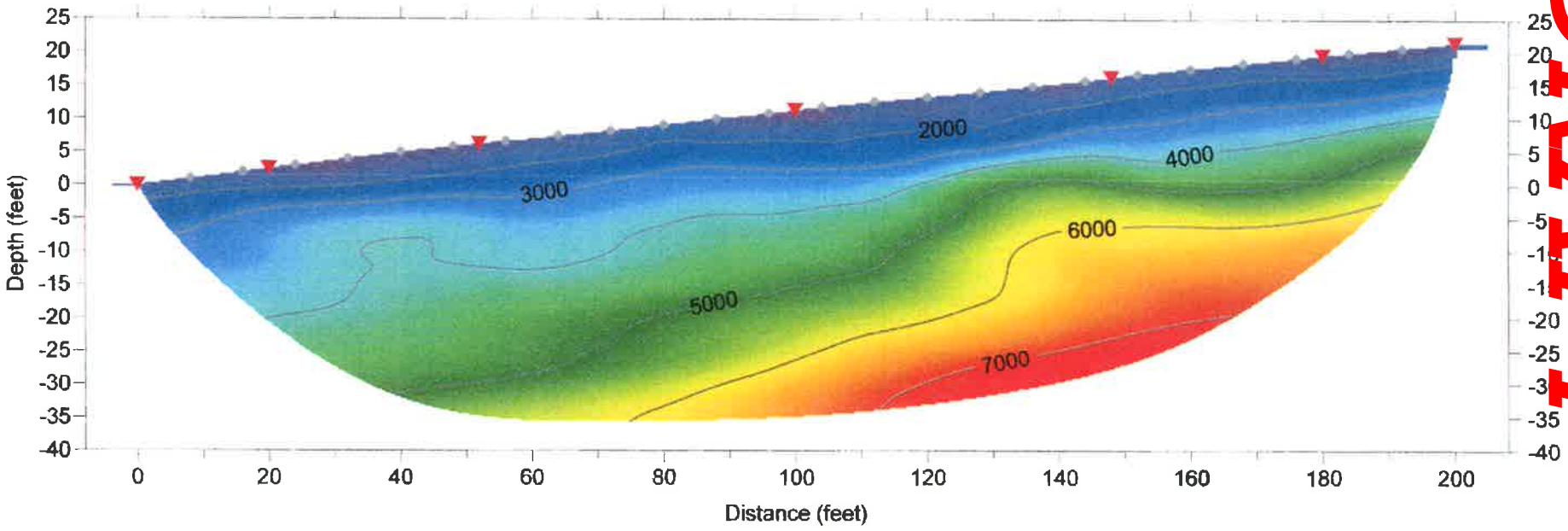
P-Wave Velocity (feet/second)

RMS error 1.0 %, Rayfract Version 3.24

SEISMIC LINE S-6

South 10° East →

REFRACTION TOMOGRAPHIC MODEL



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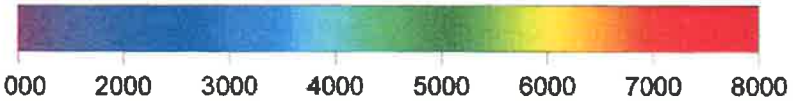
Seismic Source

Geophone Reciever



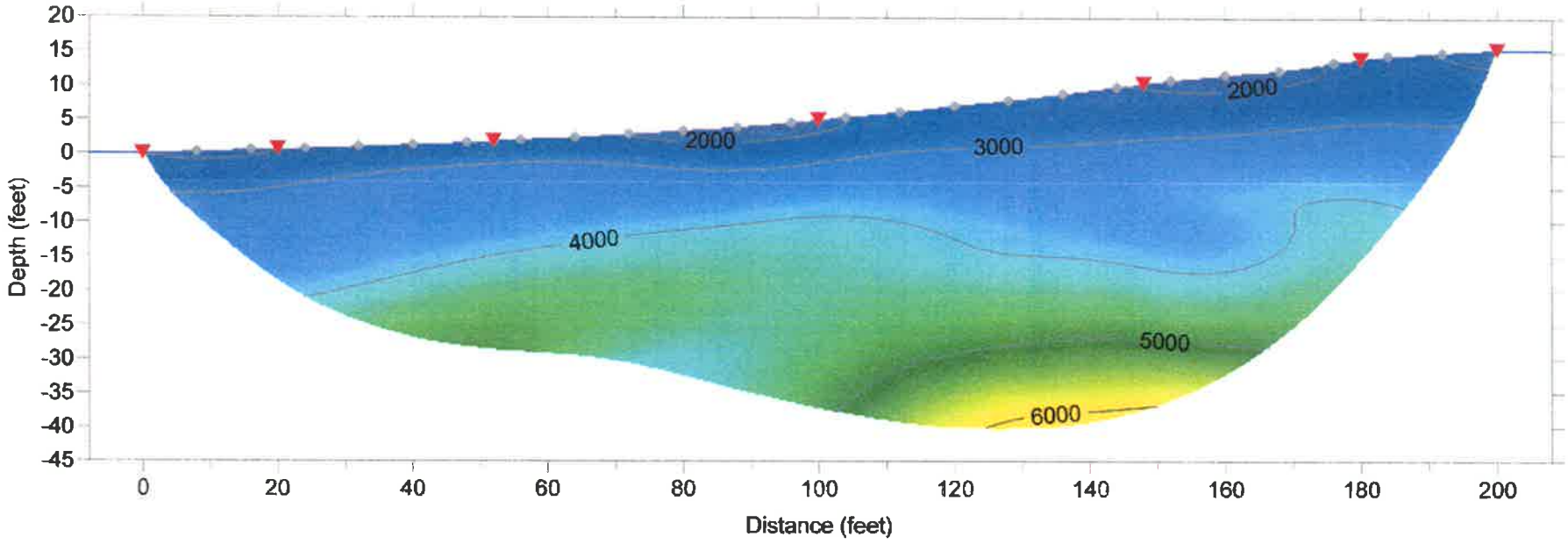
P-Wave Velocity (feet/second)

RMS error 0.7 %, Rayfract Version 3.24

SEISMIC LINE S-7

South 85° East →

REFRACTION TOMOGRAPHIC MODEL



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▼ Seismic Source

✦ Geophone Reciever

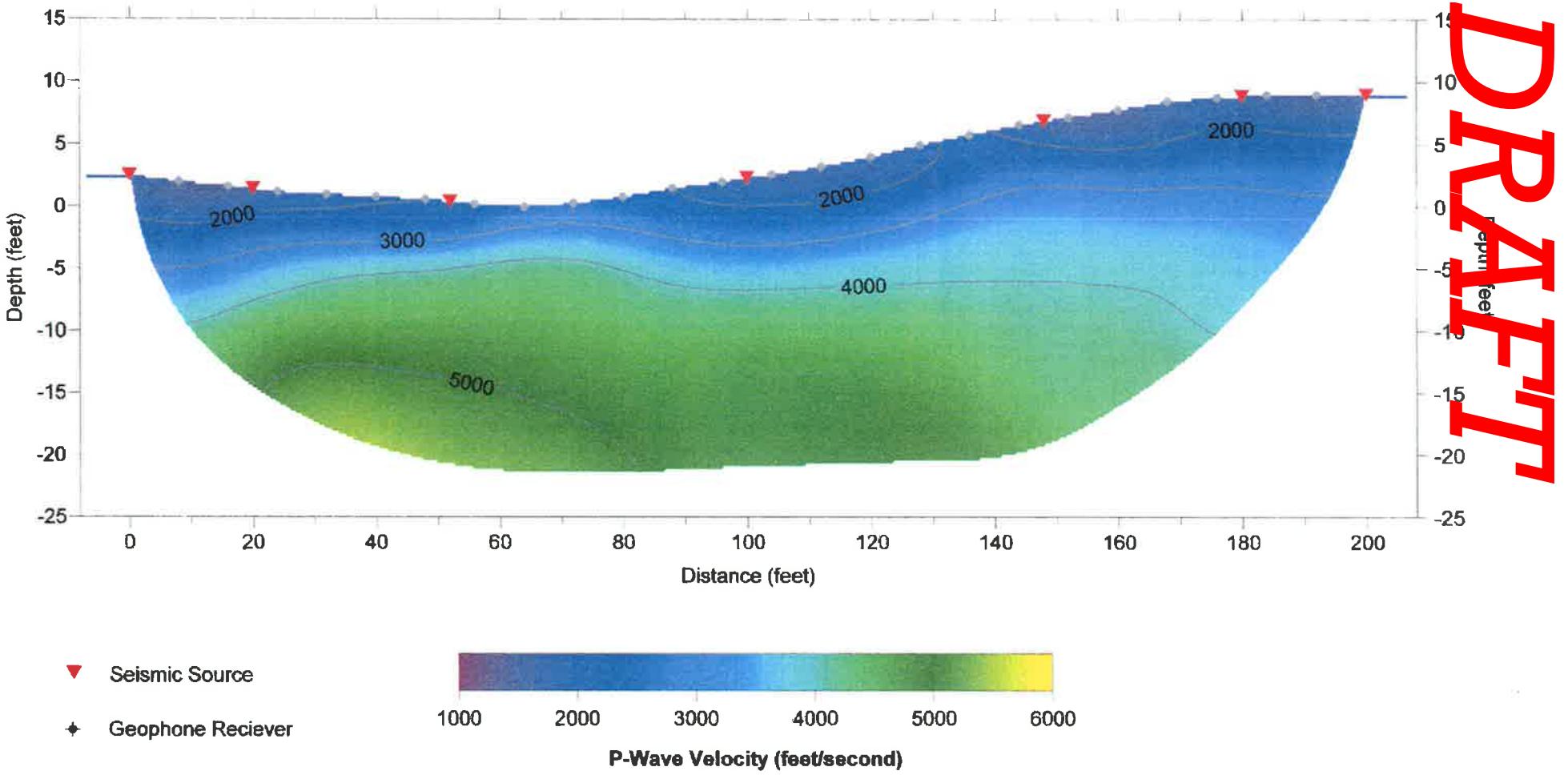
P-Wave Velocity (feet/second)

RMS error 1.3 %, Rayfract Version 3.24

SEISMIC LINE S-8

North 55° East →

REFRACTION TOMOGRAPHIC MODEL



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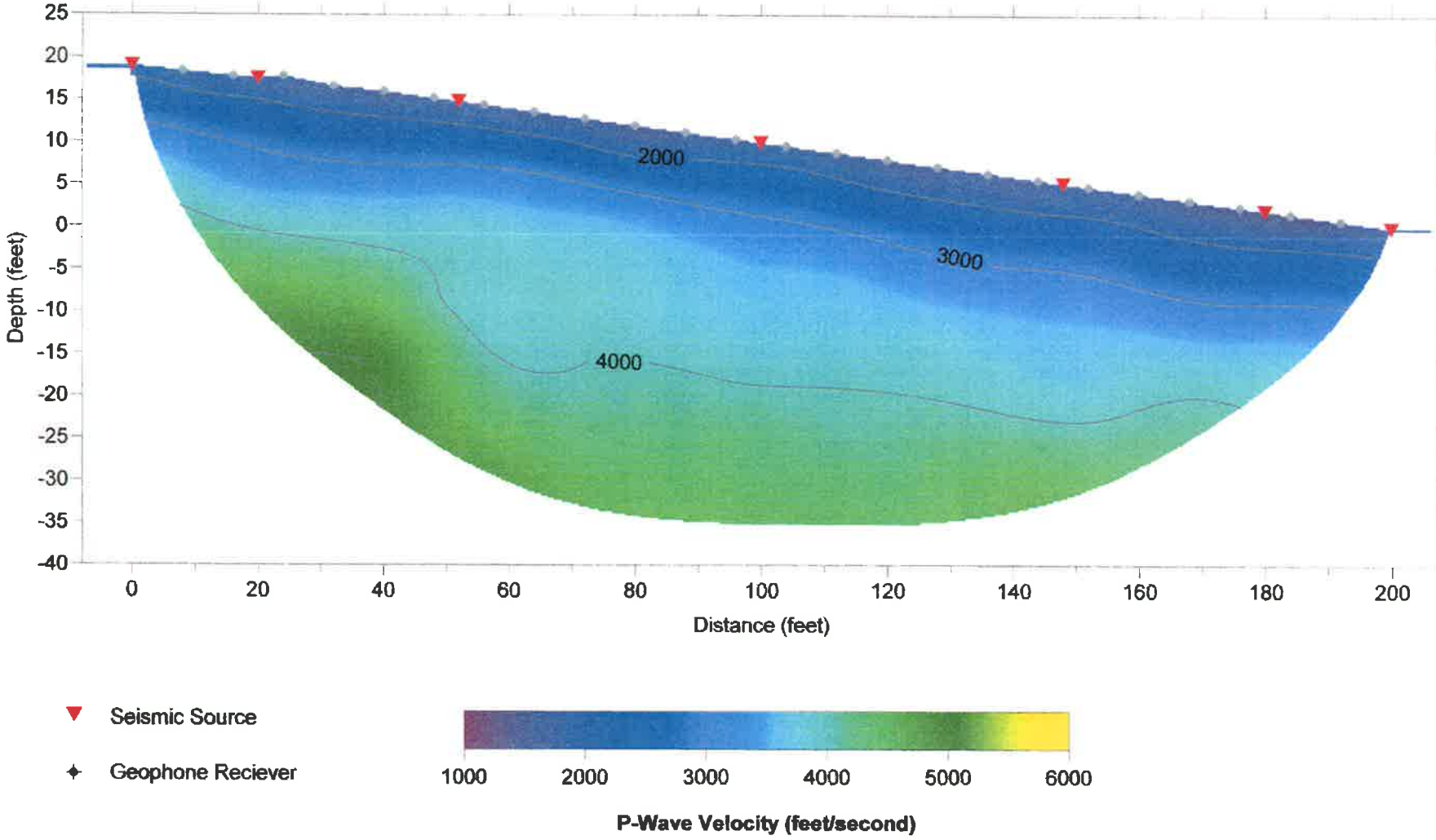
NOTE: Vertcal Exaggeration 2X

RMS error 1.2 %, Rayfract Version 3.24

SEISMIC LINE S-9

South 35° East →

REFRACTION TOMOGRAPHIC MODEL



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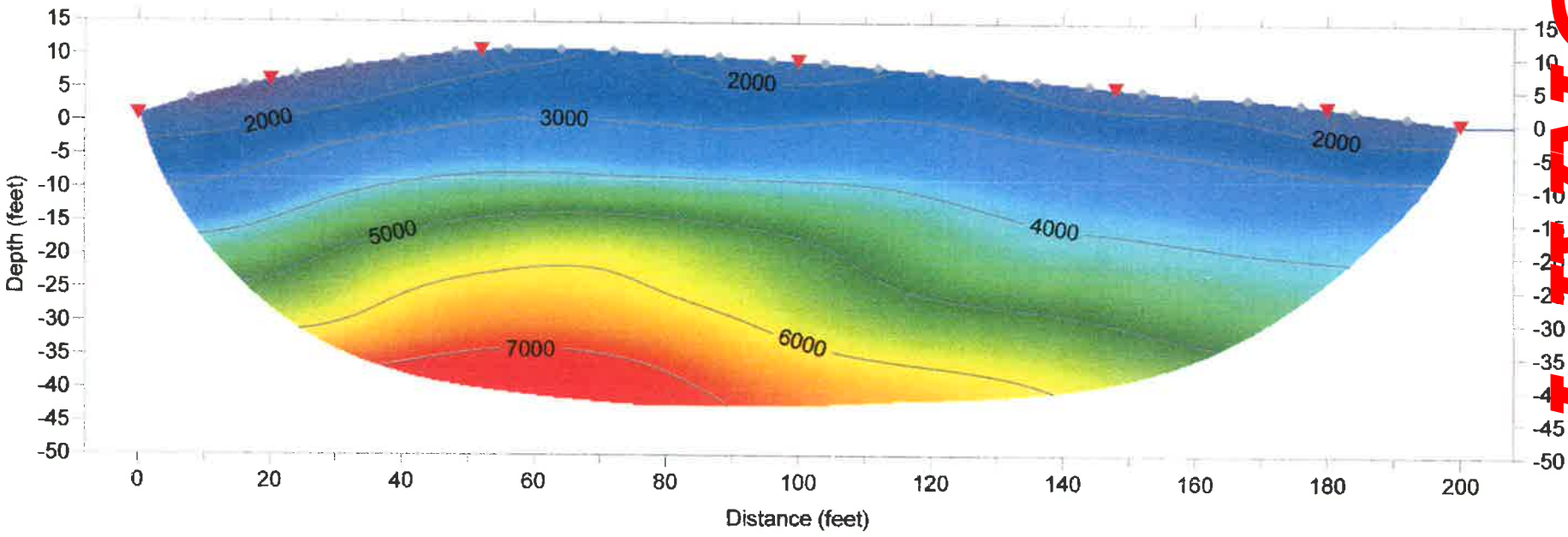
NOTE: Vertcal Exaggeration 1.5X

RMS error 0.9 %, Rayfract Version 3.24

SEISMIC LINE S-10

North 10° East →

REFRACTION TOMOGRAPHIC MODEL



DRAFT

Seismic Source

Geophone Reciever

1000 2000 3000 4000 5000 6000 7000 8000

P-Wave Velocity (feet/second)

RMS error 1.2 %, Rayfract Version 3.24

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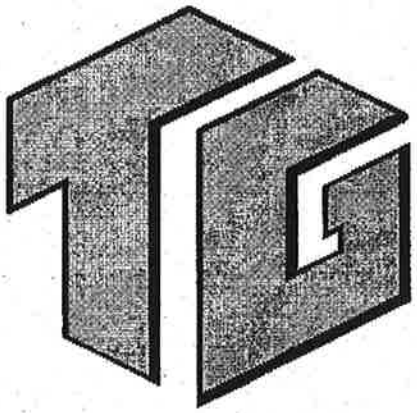
APPENDIX C

EXCAVATION CONSIDERATIONS



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EXCAVATION CONSIDERATIONS

These excavation considerations have been included to provide the client with a brief overall summary of the general complexity of hard bedrock excavation. It is considered the clients responsibility to insure that the grading contractor they select is both properly licensed and qualified, with experience in hard-bedrock ripping processes. To evaluate whether a particular bedrock material can be ripped, this geophysical survey should be used in conjunction with the geologic or geotechnical report prepared for the project which describes the physical properties of the bedrock. The physical characteristics of bedrock materials that favor ripping generally include the presence of fractures, faults and other structural discontinuities, weathering effects, brittleness or crystalline structure, stratification of lamination, large grain size, moisture permeated clay, and low compressive strength. Unfavorable conditions can include such characteristics as massive and homogeneous formations, non-crystalline structure, absence of planes of weakness, fine-grained materials, and formations of clay origin where moisture makes the material plastic.

When assessing the potential rippability of the underlying bedrock of a given site, the above geologic characteristics along with the estimated seismic velocities can then be used to evaluate what type of equipment may be appropriate for the proposed grading. When selecting the proper ripping equipment there are three primary factors to consider, which are:

- **Down Pressure available at the tip, which determines the ripper penetration that can be attained and maintained,**
- **Tractor flywheel horsepower, which determines whether the tractor can advance the tip, and,**
- **Tractor gross-weight, which determines whether the tractor will have sufficient traction to use the horsepower.**

In addition to selecting the appropriate tractor, selection of the proper ripper design is also important. There are basically three designs, being radial, parallelogram, and adjustable parallelogram, of which the contractor should be aware of when selecting the appropriate design to be used for the project. The penetration depth will depend upon the down-pressure and penetration angle, as well as the length of the shank tips (short, intermediate, and long).

Also important in the excavation process is the ripping technique used as well as the skill of the individual tractor operator. These techniques include the use of one or more ripping teeth, up- and down-hill ripping, and the direction of ripping with respect to the geologic structure of the bedrock locally. The use of two tractors (one to push the first tractor-ripper) can extend the range of materials that can be ripped. The second tractor can also be used to supply additional down-pressure on the ripper. Consideration of light blasting can also facilitate the ripper penetration and reduce the cost of moving highly consolidated rock formations.

All of the combined factors above should be considered by both the client and the grading contractor, to insure that the proper selection of equipment and ripping techniques are used for the proposed grading.

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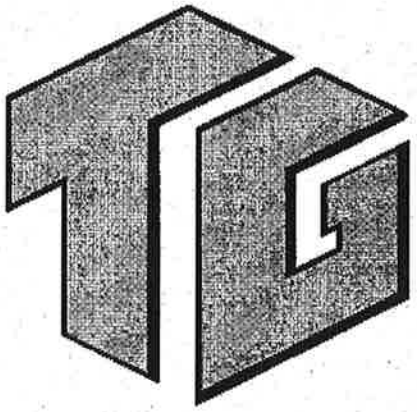
APPENDIX D

REFERENCES



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APPENDIX F

GENERAL EARTHWORK AND GRADING SPECIFICATIONS

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LEIGHTON AND ASSOCIATES, INC.

GENERAL EARTHWORK AND GRADING SPECIFICATIONS FOR ROUGH GRADING

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	1.3	The Earthwork Contractor	2
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GENERAL EARTHWORK AND GRADING SPECIFICATIONS FOR ROUGH GRADING

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B - Oversize Rock Disposal Rear of Text
C - Canyon Subdrains Rear of Text
D - Buttress or Replacement Fill Subdrains Rear of Text
E - Transition Lot Fills and Side Hill Fills Rear of Text

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1.0 General

1.1 Intent: These General Earthwork and Grading Specifications are for the grading and earthwork shown on the approved grading plan(s) and/or indicated in the geotechnical report(s). These Specifications are a part of the recommendations contained in the geotechnical report(s). In case of conflict, the specific recommendations in the geotechnical report shall supersede these more general Specifications. Observations of the earthwork by the project Geotechnical Consultant during the course of grading may result in new or revised recommendations that could supersede these specifications or the recommendations in the geotechnical report(s).

1.2 The Geotechnical Consultant of Record: Prior to commencement of work, the owner shall employ the Geotechnical Consultant of Record (Geotechnical Consultant). The Geotechnical Consultants shall be responsible for reviewing the approved geotechnical report(s) and accepting the adequacy of the preliminary geotechnical findings, conclusions, and recommendations prior to the commencement of the grading.

Prior to commencement of grading, the Geotechnical Consultant shall review the "work plan" prepared by the Earthwork Contractor (Contractor) and schedule sufficient personnel to perform the appropriate level of observation, mapping, and compaction testing.

During the grading and earthwork operations, the Geotechnical Consultant shall observe, map, and document the subsurface exposures to verify the geotechnical design assumptions. If the observed conditions are found to be significantly different than the interpreted assumptions during the design phase, the Geotechnical Consultant shall inform the owner, recommend appropriate changes in design to accommodate the observed conditions, and notify the review agency where required. Subsurface areas to be geotechnically observed, mapped, elevations recorded, and/or tested include natural ground after it has been cleared for receiving fill but before fill is placed, bottoms of all "remedial removal" areas, all key bottoms, and benches made on sloping ground to receive fill.

The Geotechnical Consultant shall observe the moisture-conditioning and processing of the subgrade and fill materials and perform relative compaction testing of fill to determine the attained level of compaction. The Geotechnical Consultant shall provide the test results to the owner and the Contractor on a routine and frequent basis.

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1.3 The Earthwork Contractor: The Earthwork Contractor (Contractor) shall be qualified, experienced, and knowledgeable in earthwork logistics, preparation and processing of ground to receive fill, moisture-conditioning and processing of fill, and compacting fill. The Contractor shall review and accept the plans, geotechnical report(s), and these Specifications prior to commencement of grading. The

Contractor shall be solely responsible for performing the grading in accordance with the plans and specifications.

The Contractor shall prepare and submit to the owner and the Geotechnical Consultant a work plan that indicates the sequence of earthwork grading, the number of "spreads" of work and the estimated quantities of daily earthwork contemplated for the site prior to commencement of grading. The Contractor shall inform the owner and the Geotechnical Consultant of changes in work schedules and updates to the work plan at least 24 hours in advance of such changes so that appropriate observations and tests can be planned and accomplished. The Contractor shall not assume that the Geotechnical Consultant is aware of all grading operations.

The Contractor shall have the sole responsibility to provide adequate equipment and methods to accomplish the earthwork in accordance with the applicable grading codes and agency ordinances, these Specifications, and the recommendations in the approved geotechnical report(s) and grading plan(s). If, in the opinion of the Geotechnical Consultant, unsatisfactory conditions, such as unsuitable soil, improper moisture condition, inadequate compaction, insufficient buttress key size, adverse weather, etc., are resulting in a quality of work less than required in these specifications, the Geotechnical Consultant shall reject the work and may recommend to the owner that construction be stopped until the conditions are rectified.

2.0 Preparation of Areas to be Filled

2.1 Clearing and Grubbing: Vegetation, such as brush, grass, roots, and other deleterious material shall be sufficiently removed and properly disposed of in a method acceptable to the owner, governing agencies, and the Geotechnical Consultant.

The Geotechnical Consultant shall evaluate the extent of these removals depending on specific site conditions. Earth fill material shall not contain more than 1 percent of organic materials (by volume). No fill lift shall contain more than 5 percent of organic matter. Nesting of the organic materials shall not be allowed.

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If potentially hazardous materials are encountered, the Contractor shall stop work in the affected area, and a hazardous material specialist shall be informed immediately for proper evaluation and handling of these materials prior to continuing to work in that area.

As presently defined by the State of California, most refined petroleum products (gasoline, diesel fuel, motor oil, grease, coolant, etc.) have chemical constituents that are considered to be hazardous waste. As such, the indiscriminate dumping or spillage of these fluids onto the ground may constitute a misdemeanor, punishable by fines and/or imprisonment, and shall not be allowed.

2.2 Processing: Existing ground that has been declared satisfactory for support of fill by the Geotechnical Consultant shall be scarified to a minimum depth of 6 inches. Existing ground that is not satisfactory shall be overexcavated as specified in the following section. Scarification shall continue until soils are broken down and free of large clay lumps or clods and the working surface is reasonably uniform, flat, and free of uneven features that would inhibit uniform compaction.

2.3 Overexcavation: In addition to removals and overexcavations recommended in the approved geotechnical report(s) and the grading plan, soft, loose, dry, saturated, spongy, organic-rich, highly fractured or otherwise unsuitable ground shall be overexcavated to competent ground as evaluated by the Geotechnical Consultant during grading.

2.4 Benching: Where fills are to be placed on ground with slopes steeper than 5:1 (horizontal to vertical units), the ground shall be stepped or benched. Please see the Standard Details for a graphic illustration. The lowest bench or key shall be a minimum of 15 feet wide and at least 2 feet deep, into competent material as evaluated by the Geotechnical Consultant. Other benches shall be excavated a minimum height of 4 feet into competent material or as otherwise recommended by the Geotechnical Consultant. Fill placed on ground sloping flatter than 5:1 shall also be benched or otherwise overexcavated to provide a flat subgrade for the fill.

2.5 Evaluation/Acceptance of Fill Areas: All areas to receive fill, including removal and processed areas, key bottoms, and benches, shall be observed, mapped, elevations recorded, and/or tested prior to being accepted by the Geotechnical Consultant as suitable to receive fill. The Contractor shall obtain a written acceptance from the Geotechnical Consultant prior to fill placement. A licensed surveyor shall provide the survey control for determining elevations of processed areas, keys, and benches.

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3.0 Fill Material

3.1 General: Material to be used as fill shall be essentially free of organic matter and other deleterious substances evaluated and accepted by the Geotechnical Consultant prior to placement. Soils of poor quality, such as those with unacceptable gradation, high expansion potential, or low strength shall be placed in areas acceptable to the Geotechnical Consultant or mixed with other soils to achieve satisfactory fill material.

3.2 Oversize: Oversize material defined as rock, or other irreducible material with a maximum dimension greater than 8 inches, shall not be buried or placed in fill unless location, materials, and placement methods are specifically accepted by the Geotechnical Consultant. Placement operations shall be such that nesting of oversized material does not occur and such that oversize material is completely surrounded by compacted or densified fill. Oversize material shall not be placed within 10 vertical feet of finish grade or within 2 feet of future utilities or underground construction.

3.3 Import: If importing of fill material is required for grading, proposed import material shall meet the requirements of Section 3.1. The potential import source shall be given to the Geotechnical Consultant at least 48 hours (2 working days) before importing begins so that its suitability can be determined and appropriate tests performed.

4.0 Fill Placement and Compaction

4.1 Fill Layers: Approved fill material shall be placed in areas prepared to receive fill (per Section 3.0) in near-horizontal layers not exceeding 8 inches in loose thickness. The Geotechnical Consultant may accept thicker layers if testing indicates the grading procedures can adequately compact the thicker layers. Each layer shall be spread evenly and mixed thoroughly to attain relative uniformity of material and moisture throughout.

4.2 Fill Moisture Conditioning: Fill soils shall be watered, dried back, blended, and/or mixed, as necessary to attain a relatively uniform moisture content at or slightly over optimum. Maximum density and optimum soil moisture content tests shall be performed in accordance with the American Society of Testing and Materials (ASTM Test Method D1557-91).

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4.3 Compaction of Fill: After each layer has been moisture-conditioned, mixed, and evenly spread, it shall be uniformly compacted to not less than 90 percent of maximum dry density (ASTM Test Method D1557-91). Compaction equipment shall be adequately sized and be either specifically designed for soil compaction or of proven reliability to efficiently achieve the specified level of compaction with uniformity.

4.4 Compaction of Fill Slopes: In addition to normal compaction procedures specified above, compaction of slopes shall be accomplished by backrolling of slopes with sheepsfoot rollers at increments of 3 to 4 feet in fill elevation, or by other methods producing satisfactory results acceptable to the Geotechnical Consultant. Upon completion of grading, relative compaction of the fill, out to the slope face, shall be at least 90 percent of maximum density per ASTM Test Method D1557-91.

4.5 Compaction Testing: Field tests for moisture content and relative compaction of the fill soils shall be performed by the Geotechnical Consultant. Location and frequency of tests shall be at the Consultant's discretion based on field conditions encountered. Compaction test locations will not necessarily be selected on a random basis. Test locations shall be selected to verify adequacy of compaction levels in areas that are judged to be prone to inadequate compaction (such as close to slope faces and at the fill/bedrock benches).

4.6 Frequency of Compaction Testing: Tests shall be taken at intervals not exceeding 2 feet in vertical rise and/or 1,000 cubic yards of compacted fill soils embankment. In addition, as a guideline, at least one test shall be taken on slope faces for each 5,000 square feet of slope face and/or each 10 feet of vertical height of slope. The Contractor shall assure that fill construction is such that the testing schedule can be accomplished by the Geotechnical Consultant. The Contractor shall stop or slow down the earthwork construction if these minimum standards are not met.

4.7 Compaction Test Locations: The Geotechnical Consultant shall document the approximate elevation and horizontal coordinates of each test location. The Contractor shall coordinate with the project surveyor to assure that sufficient grade stakes are established so that the Geotechnical Consultant can determine the test locations with sufficient accuracy. At a minimum, two grade stakes within a horizontal distance of 100 feet and vertically less than 5 feet apart from potential test locations shall be provided.

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5.0 Subdrain Installation

Subdrain systems shall be installed in accordance with the approved geotechnical report(s), the grading plan, and the Standard Details. The Geotechnical Consultant may recommend additional subdrains and/or changes in subdrain extent, location, grade, or material depending on conditions encountered during grading. All subdrains shall be surveyed by a land surveyor/civil engineer for line and grade after installation and prior to burial. Sufficient time should be allowed by the Contractor for these surveys.

6.0 Excavation

Excavations, as well as over-excavation for remedial purposes, shall be evaluated by the Geotechnical Consultant during grading. Remedial removal depths shown on geotechnical plans are estimates only. The actual extent of removal shall be determined by the Geotechnical Consultant based on the field evaluation of exposed conditions during grading. Where fill-over-cut slopes are to be graded, the cut portion of the slope shall be made, evaluated, and accepted by the Geotechnical Consultant prior to placement of materials for construction of the fill portion of the slope, unless otherwise recommended by the Geotechnical Consultant.

7.0 Trench Backfills

7.1 Safety: The Contractor shall follow all OHSA and Cal/OSHA requirements for safety of trench excavations.

7.2 Bedding and Backfill: All bedding and backfill of utility trenches shall be done in accordance with the applicable provisions of Standard Specifications of Public Works Construction. Bedding material shall have a Sand Equivalent greater than 30 (SE>30). The bedding shall be placed to 1 foot over the top of the conduit and densified by jetting. Backfill shall be placed and densified to a minimum of 90 percent of maximum from 1 foot above the top of the conduit to the surface.

The Geotechnical Consultant shall test the trench backfill for relative compaction. At least one test should be made for every 300 feet of trench and 2 feet of fill.

7.3 Lift Thickness: Lift thickness of trench backfill shall not exceed those allowed in the Standard Specifications of Public Works Construction unless the Contractor can demonstrate to the Geotechnical Consultant that the fill lift can be compacted to the minimum relative compaction by his alternative equipment and method.

7.4 Observation and Testing: The jetting of the bedding around the conduits shall be observed by the Geotechnical Consultant.

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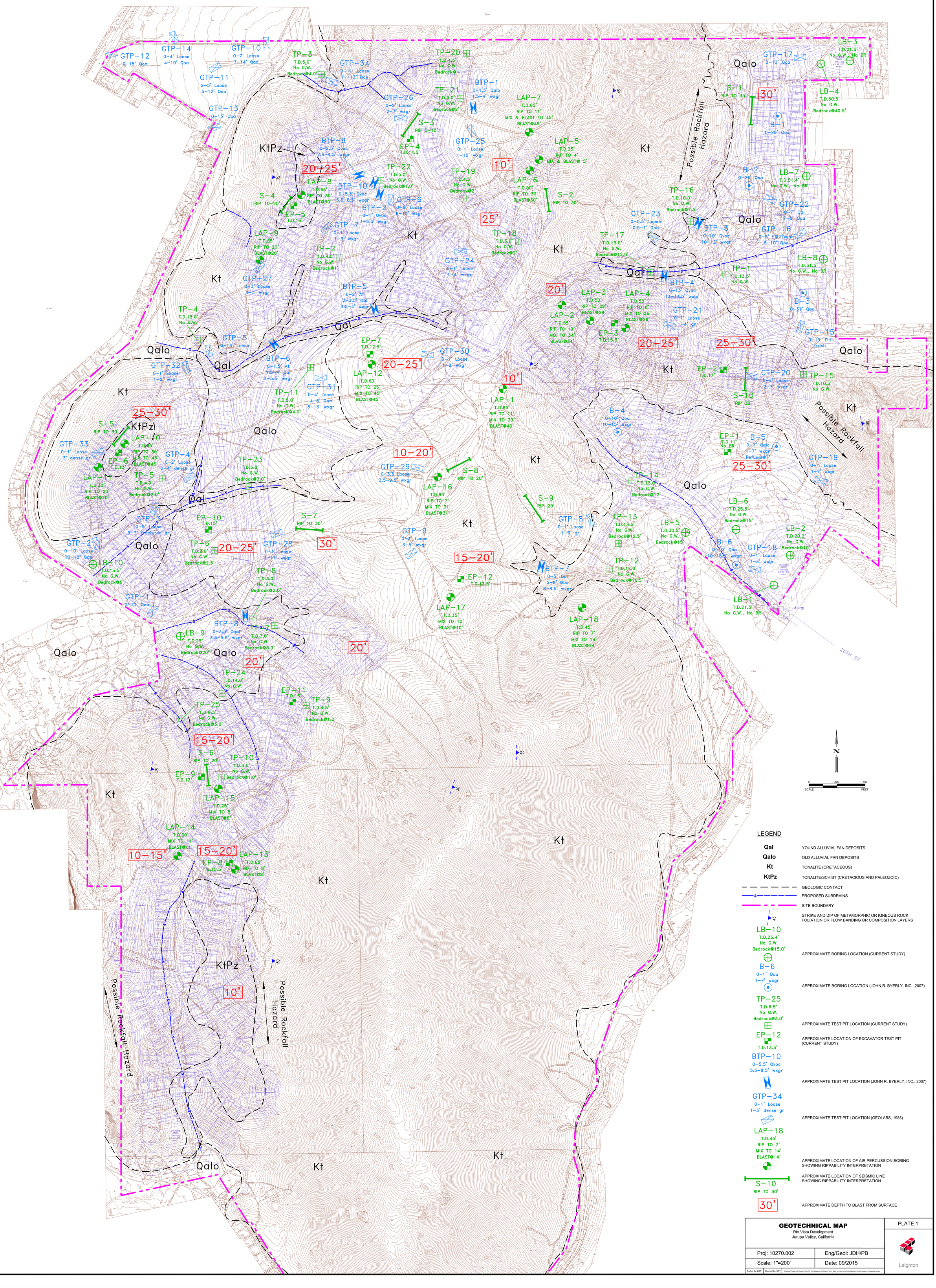


LEGEND

Qal	YOUND ALLUVIAL FAN DEPOSITS
Qalo	OLD ALLUVIAL FAN DEPOSITS
Kt	TONALITE (CRETACEOUS)
KtPz	TONALITE/SCHIST (CRETACIOUS AND PALEOZOIC)
	GEOLOGIC CONTACT
—s—	PROPOSED SUBDRAINS
	SITE BOUNDARY
45	STRIKE AND DIP OF METAMORPHIC OR IGNEOUS ROCK FOLIATION OR FLOW BANDING OR COMPOSITION LAYERS
LB-10 T.D.25.4' No G.W. Bedrock@15.0'	APPROXIMATE BORING LOCATION (CURRENT STUDY)
B-6 0-1' Qoa 1-7' wxgr	APPROXIMATE BORING LOCATION (JOHN R. BYERLY, INC., 2007)
TP-25 T.D.6.5' No G.W. Bedrock@3.0'	APPROXIMATE TEST PIT LOCATION (CURRENT STUDY)
EP-12 T.D.13.5'	APPROXIMATE LOCATION OF EXCAVATOR TEST PIT (CURRENT STUDY)
BTP-10 0-5.5' Qvoc 5.5-8.5' wxgr	APPROXIMATE TEST PIT LOCATION (JOHN R. BYERLY, INC., 2007)
GTP-34 0-1' Loose 1-3' dense gr	APPROXIMATE TEST PIT LOCATION (GEOLABS, 1988)
LAP-18 T.D.45' RIP TO 7' MIX TO 14' BLAST@14'	APPROXIMATE LOCATION OF AIR PERCUSSION BORING SHOWING RIPPABILITY INTERPRETATION
S-10 RIP TO 30'	APPROXIMATE LOCATION OF SEISMIC LINE SHOWING RIPPABILITY INTERPRETATION
30'	APPROXIMATE DEPTH TO BLAST FROM SURFACE

GEOTECHNICAL MAP
Rio Vista Development
Jurupa Valley, California

PLATE 1

Proj: 10270.002	Eng/Geol: JDH/PB
Scale: 1"=200'	Date: 09/2015

Drafted By: BGT | Checked By: BGT | P:\GRAFTBK\10270002\CAD\GP_20150915.DWG 09x25x15 10:25:15AM6 Plotted by:brian

Leighton

Appendix 4: Historical Site Conditions

Phase I Environmental Site Assessment or Other Information on Past Site Use

Appendix 5: LID Infeasibility

LID Technical Infeasibility Analysis

Appendix 6: BMP Design Details

BMP Sizing, Design Details and other Supporting Documentation

Santa Ana Watershed - BMP Design Volume, V_{BMP}

(Rev. 10-2011)

Legend: Required Entries / Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook**)*

Company Name	Hunsaker & Associates, Irvine Inc.	Date	1/17/2022
Designed by	Naila Brown	Case No	
Company Project Number/Name	Rio Vista		

BMP Identification

BMP NAME / ID: DMA I

Must match Name/ID used on BMP Design Calculation Sheet

Design Rainfall Depth

85th Percentile, 24-hour Rainfall Depth, from the Isohyetal Map in Handbook Appendix E

D_{85}= 0.70 inches

Drainage Management Area Tabulation

Insert additional rows if needed to accommodate all DMAs draining to the BMP

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperivous Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*Design Storm Depth (in)*	*Design Capture Volume, V_{BMP} (cubic feet)*	*Proposed Volume on Plans (cubic feet)*
I	*883396*	*Mixed Surface Types*	*0.75*	*0.54*	*480319*			

Santa Ana Watershed

V_{BMP} and Q_{BMP} worksheets

These worksheets are to be used to determine the required

Design Capture Volume (V_{BMP})
or the
Design Flow Rate (Q_{BMP})

for BMPs in the Santa Ana Watershed

To verify which watershed your project is located within, visit

www.rcflood.org/npdes

and use the 'Locate my Watershed' tool

If your project is not located in the Santa Ana Watershed,

Do not use these worksheets! Instead visit

www.rcflood.org/npdes/developers.aspx

To access worksheets applicable to your watershed

Use the tabs across the bottom
to access the worksheets for the Santa Ana Watershed

Santa Ana Watershed - BMP Design Volume, V_{BMP}

(Rev. 10-2011)

Legend: Required Entries / Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook**)*

Company Name: Hunsaker & Associates, Irvine Inc. — Date: 1/17/2022

Designed by: Naila Brown — Case No:

Company Project Number/Name: Rio Vista

BMP Identification

BMP NAME / ID: DMA A

Must match Name/ID used on BMP Design Calculation Sheet

Design Rainfall Depth

85th Percentile, 24-hour Rainfall Depth, from the Isohyetal Map in Handbook Appendix E

D_{85}= 0.70 inches

Drainage Management Area Tabulation

Insert additional rows if needed to accommodate all DMAs draining to the BMP

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperivous Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*Design Storm Depth (in)*	*Design Capture Volume, V_{BMP} (cubic feet)*	*Proposed Volume on Plans (cubic feet)*
A	*2243340*	*Mixed Surface Types*	*0.12*	*0.12*	*276223.9*			

Santa Ana Watershed - BMP Design Volume, V_{BMP}

(Rev. 10-2011)

Legend: Required Entries / Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook**)*

Company Name: Hunsaker & Associates, Irvine Inc. — Date: 1/17/2022

Designed by: Naila Brown — Case No:

Company Project Number/Name: Rio Vista

BMP Identification

BMP NAME / ID: DMA B

Must match Name/ID used on BMP Design Calculation Sheet

Design Rainfall Depth

85th Percentile, 24-hour Rainfall Depth, from the Isohyetal Map in Handbook Appendix E

D_{85}= 0.70 inches

Drainage Management Area Tabulation

Insert additional rows if needed to accommodate all DMAs draining to the BMP

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperivous Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*Design Storm Depth (in)*	*Design Capture Volume, V_{BMP} (cubic feet)*	*Proposed Volume on Plans (cubic feet)*
B	*5837040*	*Mixed Surface Types*	*0.48*	*0.33*	*1906937.2*			
	5837040		*Total*		*1906937.2*	*0.70*	*111238*	*111300*

Notes:

Santa Ana Watershed - BMP Design Volume, V_{BMP}

(Rev. 10-2011)

Legend: Required Entries / Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook**)*

Company Name: Hunsaker & Associates, Irvine Inc. — Date: 1/17/2022

Designed by: Naila Brown — Case No:

Company Project Number/Name: Rio Vista

BMP Identification

BMP NAME / ID: DMA C

Must match Name/ID used on BMP Design Calculation Sheet

Design Rainfall Depth

85th Percentile, 24-hour Rainfall Depth, from the Isohyetal Map in Handbook Appendix E

D_{85}= 0.70 inches

Drainage Management Area Tabulation

Insert additional rows if needed to accommodate all DMAs draining to the BMP

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperivous Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*Design Storm Depth (in)*	*Design Capture Volume, V_{BMP} (cubic feet)*	*Proposed Volume on Plans (cubic feet)*
C	*2056903*	*Mixed Surface Types*	*0.31*	*0.23*	*474203.9*			

Santa Ana Watershed - BMP Design Volume, V_{BMP}

(Rev. 10-2011)

Legend: Required Entries / Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook**)*

Company Name	Hunsaker & Associates, Irvine Inc.	Date	1/17/2022
Designed by	Naila Brown	Case No	
Company Project Number/Name	Rio Vista		

BMP Identification

BMP NAME / ID: DMA D

Must match Name/ID used on BMP Design Calculation Sheet

Design Rainfall Depth

85th Percentile, 24-hour Rainfall Depth, from the Isohyetal Map in Handbook Appendix E

D_{85}= 0.70 inches

Drainage Management Area Tabulation

Insert additional rows if needed to accommodate all DMAs draining to the BMP

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperivous Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*Design Storm Depth (in)*	*Design Capture Volume, V_{BMP} (cubic feet)*	*Proposed Volume on Plans (cubic feet)*
DMA D	*919,551*	*Mixed Surface Types*	*0.46*	*0.31*	*289204.6*			
	919551	***Total***			**289204.6**	**0.70**	***16870.3***	***16900***

Notes:

Santa Ana Watershed - BMP Design Volume, V_{BMP}

(Rev. 10-2011)

Legend: Required Entries / Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook**)*

Company Name: Hunsaker & Associates, Irvine Inc. — Date: 1/17/2022

Designed by: Naila Brown — Case No:

Company Project Number/Name: Rio Vista

BMP Identification

BMP NAME / ID: DMA E

Must match Name/ID used on BMP Design Calculation Sheet

Design Rainfall Depth

85th Percentile, 24-hour Rainfall Depth, from the Isohyetal Map in Handbook Appendix E

D_{85}= 0.70 inches

Drainage Management Area Tabulation

Insert additional rows if needed to accommodate all DMAs draining to the BMP

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperivous Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*Design Storm Depth (in)*	*Design Capture Volume, V_{BMP} (cubic feet)*	*Proposed Volume on Plans (cubic feet)*
E	*2240290*	*Mixed Surface Types*	*0.27*	*0.21*	*468234.1*			
	2240290		***Total***		**468234.1**	**0.70**	***27313.7***	***27400***

Notes:

Santa Ana Watershed - BMP Design Volume, V_{BMP}

(Rev. 10-2011)

Legend: Required Entries / Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook**)*

Company Name	Hunsaker & Associates, Irvine Inc.	Date	1/17/2022
Designed by	Naila Brown	Case No	
Company Project Number/Name	Rio Vista		

BMP Identification

BMP NAME / ID: DMA F

Must match Name/ID used on BMP Design Calculation Sheet

Design Rainfall Depth

85th Percentile, 24-hour Rainfall Depth, from the Isohyetal Map in Handbook Appendix E

D_{85}= 0.70 inches

Drainage Management Area Tabulation

Insert additional rows if needed to accommodate all DMAs draining to the BMP

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperivous Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*Design Storm Depth (in)*	*Design Capture Volume, V_{BMP} (cubic feet)*	*Proposed Volume on Plans (cubic feet)*
F	*727016*	*Mixed Surface Types*	*0.82*	*0.62*	*453135.8*			

Santa Ana Watershed - BMP Design Volume, V_{BMP}

(Rev. 10-2011)

Legend: Required Entries / Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook**)*

Company Name: Hunsaker & Associates, Irvine Inc. — Date: 1/17/2022

Designed by: Naila Brown — Case No:

Company Project Number/Name: Rio Vista

BMP Identification

BMP NAME / ID: DMA G

Must match Name/ID used on BMP Design Calculation Sheet

Design Rainfall Depth

85th Percentile, 24-hour Rainfall Depth, from the Isohyetal Map in Handbook Appendix E

D_{85}= 0.70 inches

Drainage Management Area Tabulation

Insert additional rows if needed to accommodate all DMAs draining to the BMP

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperivous Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*Design Storm Depth (in)*	*Design Capture Volume, V_{BMP} (cubic feet)*	*Proposed Volume on Plans (cubic feet)*
G	*977050*	*Mixed Surface Types*	*0.81*	*0.61*	*597132.3*			

Santa Ana Watershed - BMP Design Volume, V_{BMP}

(Rev. 10-2011)

Legend: Required Entries / Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook**)*

Company Name: Hunsaker & Associates, Irvine Inc. — Date: 1/17/2022

Designed by: Naila Brown — Case No:

Company Project Number/Name: Rio Vista

BMP Identification

BMP NAME / ID: DMA H

Must match Name/ID used on BMP Design Calculation Sheet

Design Rainfall Depth

85th Percentile, 24-hour Rainfall Depth, from the Isohyetal Map in Handbook Appendix E

D_{85}= 0.70 inches

Drainage Management Area Tabulation

Insert additional rows if needed to accommodate all DMAs draining to the BMP

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperivous Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*Design Storm Depth (in)*	*Design Capture Volume, V_{BMP} (cubic feet)*	*Proposed Volume on Plans (cubic feet)*
H	*3564950*	*Mixed Surface Types*	*0.82*	*0.62*	*2221968.3*			

Santa Ana Watershed - BMP Design Flow Rate, Q_{BMP}

(Rev. 10-2011)

Legend: Required Entries / Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook**)*

Company Name | Date

Designed by | Case No

Company Project Number/Name

BMP Identification

BMP NAME / ID

Must match Name/ID used on BMP Design Calculation Sheet

Design Rainfall Depth

Design Rainfall Intensity I = 0.20 in/hr

Drainage Management Area Tabulation

Insert additional rows if needed to accommodate all DMAs draining to the BMP

DMAs

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type (use pull-down menu)	Effective Imperivous Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*Design Rainfall Intensity (in/hr)*	*Design Flow Rate (cfs)*	*Proposed Flow Rate (cfs)*
		Natural (A Soil)						

Effective Impervious Fraction

Developed Cover Types	Effective Impervious Fraction
Roofs	1.00
Concrete or Asphalt	1.00
Grouted or Gapless Paving Blocks	1.00
Compacted Soil (e.g. unpaved parking)	0.40
Decomposed Granite	0.40
Permeable Paving Blocks w/ Sand Filled Gap	0.25
Class 2 Base	0.30
Gravel or Class 2 Permeable Base	0.10
Pervious Concrete / Porous Asphalt	0.10
Open and Porous Pavers	0.10
Turf block	0.10
Ornamental Landscaping	0.10
Natural (A Soil)	0.03
Natural (B Soil)	0.15
Natural (C Soil)	0.30
Natural (D Soil)	0.40

Mixed Surface Types

Use this table to determine the effective impervious fraction for the V_{BMP} and Q_{BMP} calculation sheets

Bioretention Facility - Design Procedure	BMP ID: B	Legend:	Required Entries / Calculated Cells

Company Name: Hunsaker & Associates, Irvine Inc. Date: 1/17/2022

Designed by: Naila Brown County/City Case No.:

Design Volume

Enter the area tributary to this feature A_T= 51.5 acres

Enter V_{BMP} determined from Section 2.1 of this Handbook V_{BMP}= 16,113 ft^3

Type of Bioretention Facility Design

(●) Side slopes required (parallel to parking spaces or adjacent to walkways)

( ) No side slopes required (perpendicular to parking space or Planter Boxes)

Bioretention Facility Surface Area

Depth of Soil Filter Media Layer d_S = 1.5 ft

Top Width of Bioretention Facility, excluding curb w_T = 80.0 ft

Total Effective Depth, d_E

$d_E = (0.3) \times d_S + (0.4) \times 1 - (0.7/w_T) + 0.5$ d_E = 1.34 ft

Minimum Surface Area, A_m

$$A_M\,(ft^2) = \frac{V_{BMP}\,(ft^3)}{d_E\,(ft)}$$

A_M = 12,014 ft^2

Proposed Surface Area A= 86,570 ft^2

Bioretention Facility Properties

Side Slopes in Bioretention Facility z = 4 :1

Diameter of Underdrain 6 inches

Longitudinal Slope of Site (3% maximum) 3 %

6" Check Dam Spacing 10 feet

Describe Vegetation:

Notes:

Bioretention Facility - Design Procedure	BMP ID: A	Legend:	Required Entries / Calculated Cells

Company Name: Hunsaker & Associates, Irvine Inc. Date: 1/17/2022

Designed by: Naila Brown County/City Case No.:

Design Volume

Enter the area tributary to this feature A_T= 134 acres

Enter V_{BMP} determined from Section 2.1 of this Handbook V_{BMP}= 111,238 ft^3

Type of Bioretention Facility Design

(●) Side slopes required (parallel to parking spaces or adjacent to walkways)

( ) No side slopes required (perpendicular to parking space or Planter Boxes)

Bioretention Facility Surface Area

Depth of Soil Filter Media Layer d_S = 1.5 ft

Top Width of Bioretention Facility, excluding curb w_T = 150.0 ft

Total Effective Depth, d_E

$d_E = (0.3) \times d_S + (0.4) \times 1 - (0.7/w_T) + 0.5$ d_E = 1.35 ft

Minimum Surface Area, A_m

$$A_M\,(ft^2) = \frac{V_{BMP}\,(ft^3)}{d_E\,(ft)}$$

A_M = 82,685 ft^2

Proposed Surface Area A= 86,570 ft^2

Bioretention Facility Properties

Side Slopes in Bioretention Facility z = 4 :1

Diameter of Underdrain 6 inches

Longitudinal Slope of Site (3% maximum) 3 %

6" Check Dam Spacing 10 feet

Describe Vegetation:

Notes:

Bioretention Facility - Design Procedure	BMP ID: C	Legend:	Required Entries / Calculated Cells

Company Name: Hunsaker & Associates, Irvine Inc. Date: 1/17/2022

Designed by: Naila Brown County/City Case No.:

Design Volume

Enter the area tributary to this feature A_T= 47.22 acres

Enter V_{BMP} determined from Section 2.1 of this Handbook V_{BMP}= 27,661 ft^3

Type of Bioretention Facility Design

(●) Side slopes required (parallel to parking spaces or adjacent to walkways)

( ) No side slopes required (perpendicular to parking space or Planter Boxes)

Bioretention Facility Surface Area

Depth of Soil Filter Media Layer d_S = 1.5 ft

Top Width of Bioretention Facility, excluding curb w_T = 20.0 ft

Total Effective Depth, d_E

$d_E = (0.3) \times d_S + (0.4) \times 1 - (0.7/w_T) + 0.5$ d_E = 1.32 ft

Minimum Surface Area, A_m

$$A_M\,(ft^2) = \frac{V_{BMP}\,(ft^3)}{d_E\,(ft)}$$

A_M = 21,035 ft^2

Proposed Surface Area A= 22,000 ft^2

Bioretention Facility Properties

Side Slopes in Bioretention Facility z = 4 :1

Diameter of Underdrain 6 inches

Longitudinal Slope of Site (3% maximum) 3 %

6" Check Dam Spacing 10 feet

Describe Vegetation:

Notes:

Bioretention Facility - Design Procedure	BMP ID: D	Legend:	Required Entries / Calculated Cells

Company Name: Hunsaker & Associates, Irvine Inc. Date: 1/17/2022

Designed by: Naila Brown County/City Case No.:

Design Volume

Enter the area tributary to this feature A_T= 21.11 acres

Enter V_{BMP} determined from Section 2.1 of this Handbook V_{BMP}= 16,870 ft^3

Type of Bioretention Facility Design

(●) Side slopes required (parallel to parking spaces or adjacent to walkways)

( ) No side slopes required (perpendicular to parking space or Planter Boxes)

Bioretention Facility Surface Area

Depth of Soil Filter Media Layer d_S = 1.5 ft

Top Width of Bioretention Facility, excluding curb w_T = 50.0 ft

Total Effective Depth, d_E

$d_E = (0.3) \times d_S + (0.4) \times 1 - (0.7/w_T) + 0.5$ d_E = 1.34 ft

Minimum Surface Area, A_m

$$A_M\,(ft^2) = \frac{V_{BMP}\,(ft^3)}{d_E\,(ft)}$$

A_M = 12,628 ft^2

Proposed Surface Area A= 13,000 ft^2

Bioretention Facility Properties

Side Slopes in Bioretention Facility z = 4 :1

Diameter of Underdrain 6 inches

Longitudinal Slope of Site (3% maximum) 3 %

6" Check Dam Spacing 10 feet

Describe Vegetation:

Notes:

Bioretention Facility - Design Procedure	BMP ID: E	Legend:	Required Entries / Calculated Cells

Company Name:	Hunsaker & Associates, Irvine Inc.	Date:	1/17/2022
Designed by:	Naila Brown	County/City Case No.:	

Design Volume

Enter the area tributary to this feature — A_T = 51.43 acres

Enter V_{BMP} determined from Section 2.1 of this Handbook — V_{BMP} = 27,313 ft^3

Type of Bioretention Facility Design

(●) Side slopes required (parallel to parking spaces or adjacent to walkways)

( ) No side slopes required (perpendicular to parking space or Planter Boxes)

Bioretention Facility Surface Area

Depth of Soil Filter Media Layer — d_S = 1.5 ft

Top Width of Bioretention Facility, excluding curb — w_T = 40.0 ft

Total Effective Depth, d_E

$d_E = (0.3) \times d_S + (0.4) \times 1 - (0.7/w_T) + 0.5$ — d_E = 1.33 ft

Minimum Surface Area, A_m

$$A_M\,(ft^2) = \frac{V_{BMP}\,(ft^3)}{d_E\,(ft)}$$

A_M = 20,498 ft^2

Proposed Surface Area — A= 21,000 ft^2

Bioretention Facility Properties

Side Slopes in Bioretention Facility — z = 4 :1

Diameter of Underdrain — 6 inches

Longitudinal Slope of Site (3% maximum) — 3 %

6" Check Dam Spacing — 10 feet

Describe Vegetation:

Notes:

Bioretention Facility - Design Procedure	BMP ID	Legend:	Required Entries	
	F		Calculated Cells	

Company Name:	Hunsaker & Associates, Irvine Inc.	Date:	1/17/2022
Designed by:	Naila Brown	County/City Case No.:	

Design Volume

Enter the area tributary to this feature	A_T=	16.69	acres
Enter V_{BMP} determined from Section 2.1 of this Handbook	V_{BMP}=	26,432	ft^3

Type of Bioretention Facility Design

(●) Side slopes required (parallel to parking spaces or adjacent to walkways)

( ) No side slopes required (perpendicular to parking space or Planter Boxes)

Bioretention Facility Surface Area

Depth of Soil Filter Media Layer	d_S =	1.5	ft
Top Width of Bioretention Facility, excluding curb	w_T =	80.0	ft
Total Effective Depth, d_E $d_E = (0.3) \times d_S + (0.4) \times 1 - (0.7/w_T) + 0.5$	d_E =	1.34	ft
Minimum Surface Area, A_m $A_M\,(ft^2) = \frac{V_{BMP}\,(ft^3)}{d_E\,(ft)}$	A_M =	19,707	ft^2
Proposed Surface Area	A=	20,000	ft^2

Bioretention Facility Properties

Side Slopes in Bioretention Facility	z =	4	:1
Diameter of Underdrain		6	inches
Longitudinal Slope of Site (3% maximum)		3	%
6" Check Dam Spacing		10	feet
Describe Vegetation:			

Notes:

Bioretention Facility - Design Procedure	BMP ID: G	Legend:	Required Entries / Calculated Cells

Company Name: Hunsaker & Associates, Irvine Inc. Date: 1/17/2022

Designed by: Naila Brown County/City Case No.:

Design Volume

Enter the area tributary to this feature A_T= 22.43 acres

Enter V_{BMP} determined from Section 2.1 of this Handbook V_{BMP}= 34,832 ft^3

Type of Bioretention Facility Design

(●) Side slopes required (parallel to parking spaces or adjacent to walkways)

( ) No side slopes required (perpendicular to parking space or Planter Boxes)

Bioretention Facility Surface Area

Depth of Soil Filter Media Layer d_S = 1.5 ft

Top Width of Bioretention Facility, excluding curb w_T = 40.0 ft

Total Effective Depth, d_E

$d_E = (0.3) \times d_S + (0.4) \times 1 - (0.7/w_T) + 0.5$ d_E = 1.33 ft

Minimum Surface Area, A_m

$$A_M\,(ft^2) = \frac{V_{BMP}\,(ft^3)}{d_E\,(ft)}$$

A_M = 26,141 ft^2

Proposed Surface Area A= 26,200 ft^2

Bioretention Facility Properties

Side Slopes in Bioretention Facility z = 4 :1

Diameter of Underdrain 6 inches

Longitudinal Slope of Site (3% maximum) 3 %

6" Check Dam Spacing 10 feet

Describe Vegetation:

Notes:

Bioretention Facility - Design Procedure	BMP ID	Legend:	Required Entries	
	H		Calculated Cells	

Company Name:	Hunsaker & Associates, Irvine Inc.	Date:	1/17/2022
Designed by:	Naila Brown	County/City Case No.:	

Design Volume

Enter the area tributary to this feature	A_T=	81.84	acres
Enter V_{BMP} determined from Section 2.1 of this Handbook	V_{BMP}=	129,614	ft^3

Type of Bioretention Facility Design

(●) Side slopes required (parallel to parking spaces or adjacent to walkways)

( ) No side slopes required (perpendicular to parking space or Planter Boxes)

Bioretention Facility Surface Area

Depth of Soil Filter Media Layer	d_S =	1.5	ft
Top Width of Bioretention Facility, excluding curb	w_T =	80.0	ft
Total Effective Depth, d_E $d_E = (0.3) \times d_S + (0.4) \times 1 - (0.7/w_T) + 0.5$	d_E =	1.34	ft
Minimum Surface Area, A_m $A_M\,(ft^2) = \frac{V_{BMP}\,(ft^3)}{d_E\,(ft)}$	A_M =	96,637	ft^2
Proposed Surface Area	A=	97,000	ft^2

Bioretention Facility Properties

Side Slopes in Bioretention Facility	z =	4	:1
Diameter of Underdrain		6	inches
Longitudinal Slope of Site (3% maximum)		3	%
6" Check Dam Spacing		10	feet
Describe Vegetation:			

Notes:

Bioretention Facility - Design Procedure	BMP ID: I	Legend:	Required Entries / Calculated Cells

Company Name: Hunsaker & Associates, Irvine Inc. | Date: 1/17/2022

Designed by: Naila Brown | County/City Case No.:

Design Volume

Enter the area tributary to this feature — A_T = 20.28 acres

Enter V_{BMP} determined from Section 2.1 of this Handbook — V_{BMP} = 28,018 ft^3

Type of Bioretention Facility Design

(●) Side slopes required (parallel to parking spaces or adjacent to walkways)

( ) No side slopes required (perpendicular to parking space or Planter Boxes)

Bioretention Facility Surface Area

Depth of Soil Filter Media Layer — d_S = 1.5 ft

Top Width of Bioretention Facility, excluding curb — w_T = 80.0 ft

Total Effective Depth, d_E

$d_E = (0.3) \times d_S + (0.4) \times 1 - (0.7/w_T) + 0.5$ — d_E = 1.34 ft

Minimum Surface Area, A_m

$$A_M\,(ft^2) = \frac{V_{BMP}\,(ft^3)}{d_E\,(ft)}$$

A_M = 20,890 ft^2

Proposed Surface Area — A= 21,000 ft^2

Bioretention Facility Properties

Side Slopes in Bioretention Facility — z = 4 :1

Diameter of Underdrain — 6 inches

Longitudinal Slope of Site (3% maximum) — 3 %

6" Check Dam Spacing — 10 feet

Describe Vegetation:

Notes:

3.5 Bioretention Facility

Type of BMP	LID – Bioretention
Treatment Mechanisms	Infiltration, Evapotranspiration, Evaporation, Biofiltration
Maximum Drainage Area	This BMP is intended to be integrated into a project's landscaped area in a distributed manner. Typically, contributing drainage areas to Bioretention Facilities range from less than 1 acre to a maximum of around 10 acres.
Other Names	Rain Garden, Bioretention Cell, Bioretention Basin, Biofiltration Basin, Landscaped Filter Basin, Porous Landscape Detention

Description

Bioretention Facilities are shallow, vegetated basins underlain by an engineered soil media. Healthy plant and biological activity in the root zone maintain and renew the macro-pore space in the soil and maximize plant uptake of pollutants and runoff. This keeps the Best Management Practice (BMP) from becoming clogged and allows more of the soil column to function as both a sponge (retaining water) and a highly effective and self-maintaining biofilter. In most cases, the bottom of a Bioretention Facility is unlined, which also provides an opportunity for infiltration to the extent the underlying onsite soil can accommodate. When the infiltration rate of the underlying soil is exceeded, fully biotreated flows are discharged via underdrains. Bioretention Facilities therefore will inherently achieve the maximum feasible level of infiltration and evapotranspiration and achieve the minimum feasible (but highly biotreated) discharge to the storm drain system.

Siting Considerations

These facilities work best when they are designed in a relatively level area. Unlike other BMPs, Bioretention Facilities can be used in smaller landscaped spaces on the site, such as:

- ✓ Parking islands
- ✓ Medians
- ✓ Site entrances

Landscaped areas on the site (such as may otherwise be required through minimum landscaping ordinances), can often be designed as Bioretention Facilities. This can be accomplished by:

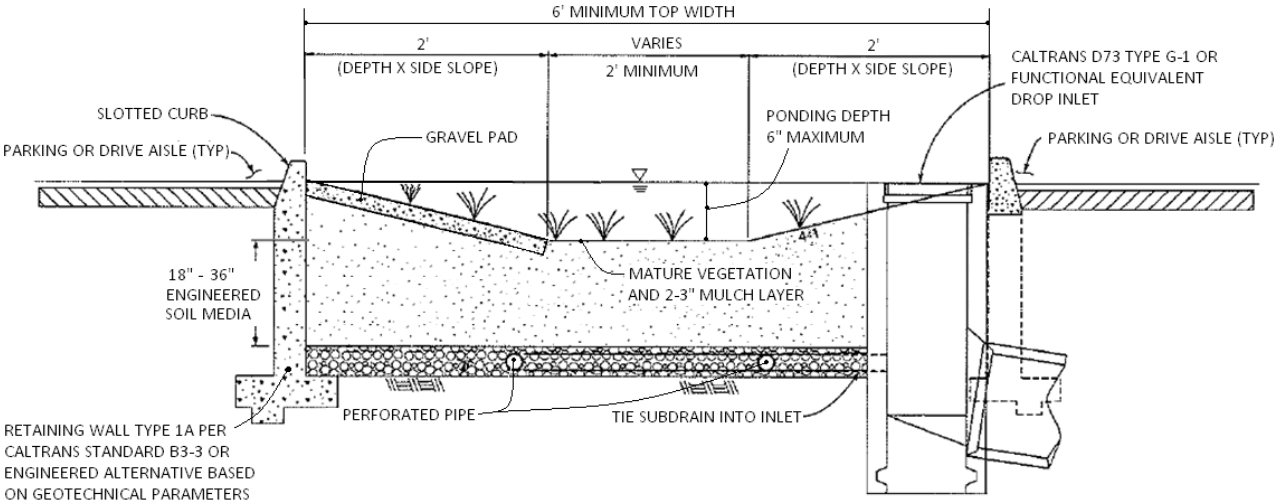
- *Depressing* landscaped areas below adjacent impervious surfaces, rather than elevating those areas
- Grading the site to direct runoff from those impervious surfaces *into* the Bioretention Facility, rather than away from the landscaping
- Sizing and designing the depressed landscaped area as a Bioretention Facility as described in this Fact Sheet

Bioretention Facilities should however not be used downstream of areas where large amounts of sediment can clog the system. Placing a Bioretention Facility at the toe of a steep slope should also be avoided due to the potential for clogging the engineered soil media with erosion from the slope, as well as the potential for damaging the vegetation.

Design and Sizing Criteria

The recommended cross section necessary for a Bioretention Facility includes:

- Vegetated area
- 18' minimum depth of engineered soil media
- 12' minimum gravel layer depth with 6' perforated pipes (added flow control features such as orifice plates may be required to mitigate for HCOC conditions)



While the 18-inch minimum engineered soil media depth can be used in some cases, it is recommended to use 24 inches or a preferred 36 inches to provide an adequate root zone for the chosen plant palate. Such a design also provides for improved removal effectiveness for nutrients. The recommended ponding depth inside of a Bioretention Facility is 6 inches; measured from the flat bottom surface to the top of the water surface as shown in Figure 1.

Because this BMP is filled with an engineered soil media, pore space in the soil and gravel layer is assumed to provide storage volume. However, several considerations must be noted:

- Surcharge storage above the soil surface (6 inches) is important to assure that design flows do not bypass the BMP when runoff exceeds the soil's absorption rate.
- In cases where the Bioretention Facility contains engineered soil media deeper than 36 inches, the pore space within the engineered soil media can only be counted to the 36-inch depth.
- A maximum of 30 percent pore space can be used for the soil media whereas a maximum of 40 percent pore space can be use for the gravel layer.

Figure 1: Standard Layout for a Bioretention Facility

Engineered Soil Media Requirements

The engineered soil media shall be comprised of 85 percent mineral component and 15 percent organic component, by volume, drum mixed prior to placement. The mineral component shall be a Class A sandy loam topsoil that meets the range specified in Table 1 below. The organic component shall be nitrogen stabilized compost[1], such that nitrogen does not leach from the media.

Table 1: Mineral Component Range Requirements

Percent Range	Component
70-80	Sand
15-20	Silt
5-10	Clay

The trip ticket, or certificate of compliance, shall be made available to the inspector to prove the engineered mix meets this specification.

Vegetation Requirements

Vegetative cover is important to minimize erosion and ensure that treatment occurs in the Bioretention Facility. The area should be designed for at least 70 percent mature coverage throughout the Bioretention Facility. To prevent the BMP from being used as walkways, Bioretention Facilities shall be planted with a combination of small trees, densely planted shrubs, and natural grasses. Grasses shall be native or ornamental; preferably ones that do not need to be mowed. The application of fertilizers and pesticides should be minimal. To maintain oxygen levels for the vegetation and promote biodegradation, it is important that vegetation not be completely submerged for any extended period of time. Therefore, a maximum of 6 inches of ponded water shall be used in the design to ensure that plants within the Bioretention Facility remain healthy.

A 2 to 3-inch layer of standard shredded aged hardwood mulch shall be placed as the top layer inside the Bioretention Facility. The 6-inch ponding depth shown in Figure 1 above shall be measured from the top surface of the 2 to 3-inch mulch layer.

Curb Cuts

To allow water to flow into the Bioretention Facility, 1-foot-wide (minimum) curb cuts should be placed approximately every 10 feet around the perimeter of the Bioretention Facility. Figure 2 shows a curb cut in a Bioretention Facility. Curb cut flow lines must be at or above the V_{BMP} water surface level.

[1] For more information on compost, visit the US Composting Council website at: http://compostingcouncil.org/

Figure 2: Curb Cut located in a Bioretention Facility

To reduce erosion, a gravel pad shall be placed at each inlet point to the Bioretention Facility. The gravel should be 1- to 1.5-inch diameter in size. The gravel should overlap the curb cut opening a minimum of 6 inches. The gravel pad inside the Bioretention Facility should be flush with the finished surface at the curb cut and extend to the bottom of the slope.

In addition, place an apron of stone or concrete, a foot square or larger, inside each inlet to prevent vegetation from growing up and blocking the inlet. See Figure 3.

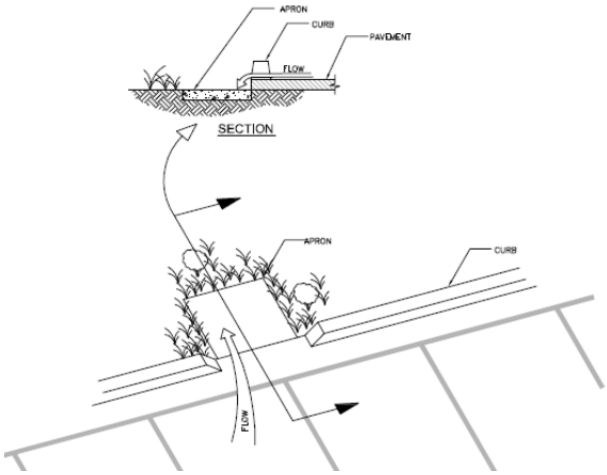


Figure 3: Apron located in a Bioretention Facility

Terracing the Landscaped Filter Basin

It is recommended that Bioretention Facilities be level. In the event the facility site slopes and lacks proper design, water would fill the lowest point of the BMP and then discharge from the basin without being treated. To ensure that the water will be held within the Bioretention Facility on sloped sites, the BMP must be terraced with nonporous check dams to provide the required storage and treatment capacity.

The terraced version of this BMP shall be used on non-flat sites with no more than a 3 percent slope. The surcharge depth cannot exceed 0.5 feet, and side slopes shall not exceed 4:1. Table 2 below shows the spacing of the check dams, and slopes shall be rounded up (i.e., 2.5 percent slope shall use 10' spacing for check dams).

Table 2: Check Dam Spacing

6" Check Dam Spacing	
Slope	**Spacing**
1%	*25'*
2%	*15'*
3%	*10'*

Roof Runoff

Roof downspouts may be directed towards Bioretention Facilities. However, the downspouts must discharge onto a concrete splash block to protect the Bioretention Facility from erosion.

Retaining Walls

It is recommended that Retaining Wall Type 1A, per Caltrans Standard B3-3 or equivalent, be constructed around the entire perimeter of the Bioretention Facility. This practice will protect the sides of the Bioretention Facility from collapsing during construction and maintenance or from high service loads adjacent to the BMP. Where such service loads would not exist adjacent to the BMP, an engineered alternative may be used if signed by a licensed civil engineer.

Side Slope Requirements

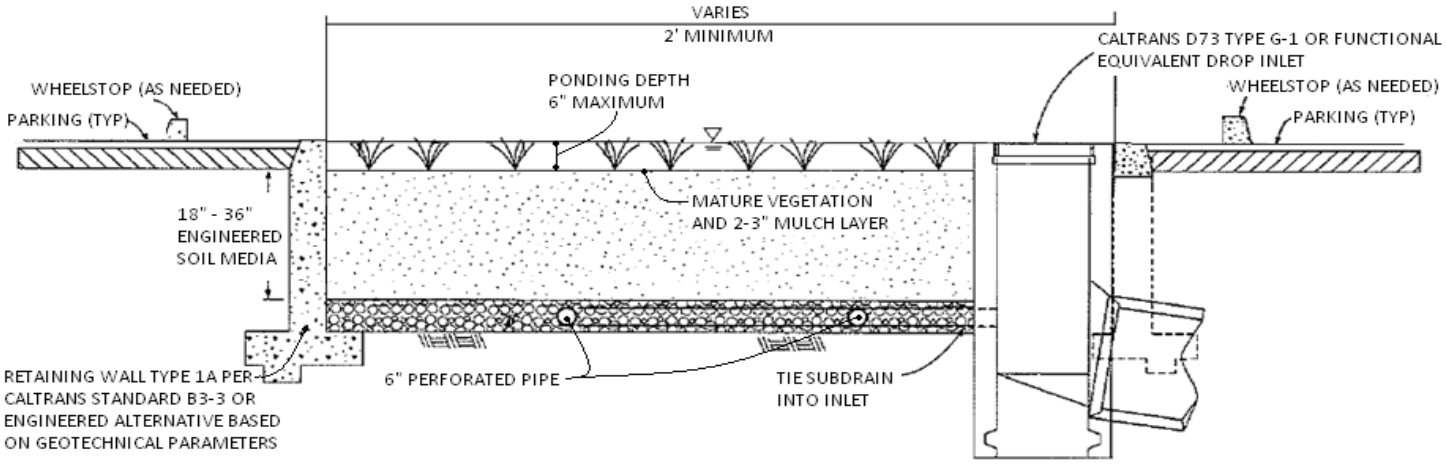
Bioretention Facilities Requiring Side Slopes

The design should assure that the Bioretention Facility does not present a tripping hazard. Bioretention Facilities proposed near pedestrian areas, such as areas parallel to parking spaces or along a walkway, must have a gentle slope to the bottom of the facility. Side slopes inside of a Bioretention Facility shall be 4:1. A typical cross section for the Bioretention Facility is shown in Figure 1.

Bioretention Facilities Not Requiring Side Slopes

Where cars park perpendicular to the Bioretention Facility, side slopes are not required. A 6-inch maximum drop may be used, and the Bioretention Facility must be planted with trees and shrubs to prevent pedestrian access. In this case, a curb is not placed around the Bioretention Facility,

but wheel stops shall be used to prevent vehicles from entering the Bioretention Facility, as shown in Figure 4.



Planter Boxes

Bioretention Facilities can also be placed above ground as planter boxes. Planter boxes must have a minimum width of 2 feet, a maximum surcharge depth of 6 inches, and no side slopes are necessary. Planter boxes must be constructed so as to ensure that the top surface of the engineered soil media will remain level. This option may be constructed of concrete, brick, stone or other stable materials that will not warp or bend. Chemically treated wood or galvanized steel, which has the ability to contaminate stormwater, should not be used. Planter boxes must be lined with an impermeable liner on all sides, including the bottom. Due to the impermeable liner, the inside bottom of the planter box shall be designed and constructed with a cross fall, directing treated flows within the subdrain layer toward the point where subdrain exits the planter box, and subdrains shall be oriented with drain holes oriented down. These provisions will help avoid excessive stagnant water within the gravel underdrain layer. Similar to the in-ground Bioretention Facility versions, this BMP benefits from healthy plants and biological activity in the root zone. Planter boxes should be planted with appropriately selected vegetation.

Figure 5: Planter Box
Source: LA Team Effort

Overflow

An overflow route is needed in the Bioretention Facility design to bypass stored runoff from storm events larger than V_{BMP} or in the event of facility or subdrain clogging. Overflow systems must connect to an acceptable discharge point, such as a downstream conveyance system as shown in Figure 1 and Figure 4. The inlet to the overflow structure shall be elevated inside the Bioretention Facility to be flush with the ponding surface for the design capture volume (V_{BMP}) as shown in Figure 4. This will allow the design capture volume to be fully treated by the Bioretention Facility, and for larger events to safely be conveyed to downstream systems. The overflow inlet shall **not** be located in the entrance of a Bioretention Facility, as shown in Figure 6.

Underdrain Gravel and Pipes

An underdrain gravel layer and pipes shall be provided in accordance with Appendix B – Underdrains.

Figure 6: Incorrect Placement of an Overflow Inlet.

Inspection and Maintenance Schedule

The Bioretention Facility area shall be inspected for erosion, dead vegetation, soggy soils, or standing water. The use of fertilizers and pesticides on the plants inside the Bioretention Facility should be minimized.

Schedule	Activity
Ongoing	• Keep adjacent landscape areas maintained. Remove clippings from landscape maintenance activities. • Remove trash and debris • Replace damaged grass and/or plants • Replace surface mulch layer as needed to maintain a 2-3 inch soil cover.
After storm events	• Inspect areas for ponding
Annually	• Inspect/clean inlets and outlets

Bioretention Facility Design Procedure

1) Enter the area tributary, A_T, to the Bioretention Facility.

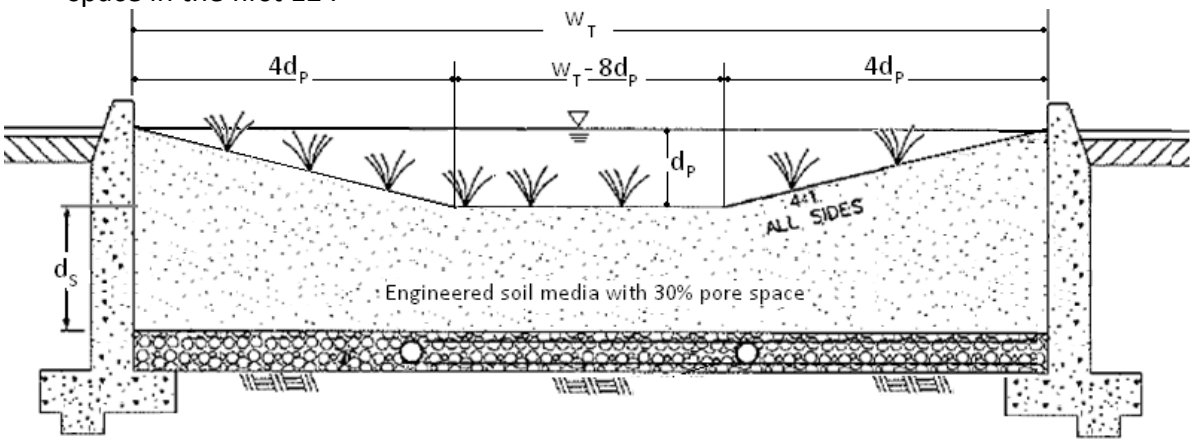
2) Enter the Design Volume, $V_{BMP,}$ determined from Section 2.1 of this Handbook.

3) Select the type of design used. There are two types of Bioretention Facility designs: the standard design used for most project sites that include side slopes, and the modified design used when the BMP is located perpendicular to the parking spaces or with planter boxes that do not use side slopes.

4) Enter the depth of the engineered soil media, d_S. The minimum depth for the engineered soil media can be 18' in limited cases, but it is recommended to use 24' or a preferred 36' to provide an adequate root zone for the chosen plant palette. Engineered soil media deeper than 36' will only get credit for the pore space in the first 36'.

5) Enter the top width of the Bioretention Facility.

6) Calculate the total effective depth, d_E, within the Bioretention Facility. The maximum allowable pore space of the soil media is 30% while the maximum allowable pore space for the gravel layer is 40%. Gravel layer deeper than 12' will only get credit for the pore space in the first 12'.



a. For the design with side slopes the following equation shall be used to determine the total effective depth. Where, d_P is the depth of ponding within the basin.

$$d_E(\text{ft}) = \frac{0.3 \times \left[\left(w_T(\text{ft}) \times d_S(\text{ft})\right) + 4\left(d_P(\text{ft})\right)^2\right] + 0.4 \times 1(\text{ft}) + d_P(\text{ft})\left[4d_P(\text{ft}) + \left(w_T(\text{ft}) - 8d_P(\text{ft})\right)\right]}{w_T(\text{ft})}$$

This above equation can be simplified if the maximum ponding depth of 0.5' is used. The equation below is used on the worksheet to find the minimum area required for the Bioretention Facility:

$$d_E(\text{ft}) = (0.3 \times d_S(\text{ft}) + 0.4 \text{ x } 1(\text{ft})) - \left(\frac{0.7\ (\text{ft}^2)}{w_T(\text{ft})}\right) + 0.5(\text{ft})$$

b. For the design without side slopes the following equation shall be used to determine the total effective depth:

$$d_E(\text{ft}) = d_P(\text{ft}) + [(0.3) \times d_S(\text{ft}) + (0.4) \times 1(\text{ft})]$$

The equation below, using the maximum ponding depth of 0.5', is used on the worksheet to find the minimum area required for the Bioretention Facility:

$$d_E(\text{ft}) = 0.5\ (\text{ft}) + [(0.3) \times d_S(\text{ft}) + (0.4) \times 1(\text{ft})]$$

7) Calculate the minimum surface area, A_M, required for the Bioretention Facility. This does not include the curb surrounding the Bioretention Facility or side slopes.

$$A_M(\text{ft}^2) = \frac{V_{BMP}(\text{ft}^3)}{d_E\ (\text{ft})}$$

8) Enter the proposed surface area. This area shall not be less than the minimum required surface area.

9) Verify that side slopes are no steeper than 4:1 in the standard design, and are not required in the modified design.

10) Provide the diameter, minimum 6 inches, of the perforated underdrain used in the Bioretention Facility. See Appendix B for specific information regarding perforated pipes.

11) Provide the slope of the site around the Bioretention Facility, if used. The maximum slope is 3 percent for a standard design.

12) Provide the check dam spacing, if the site around the Bioretention Facility is sloped.

13) Describe the vegetation used within the Bioretention Facility.

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Appendix 7: Hydromodification

Supporting Detail Relating to Hydrologic Conditions of Concern

HYDROMODIFICATION

County's Hydromodification criteria was meet by limiting post-development flows discharge from the proposed site to no more than 110 percent of the pre- development flows for 2-year, 24-hours storm. See attached Table 1 and 2 that shows summary of existing unit hydrographs and outflows Routing. Also attached *Exhibit A* showing basin locations.

BASIN STUDY SUMMARY
RIO VISTA
JURUPA VALLEY, CA
TRIBUTARY TO SUNNYSLOPE CHANNEL
TABLE 1. UNIT HYDROGRAPH AND BASIN ROUTING FLOW TABULATIONS

DRAINAGE AREA	OUTLET NODE	LAND USE	AREA(AC)	UNIT HYDROGRAPH PEAK FLOW RATE (CFS)
				2-YR STORM(HMD)
			EXIST	24 HOUR
BASIN A	111	EXISTING CONDITION	53.7	1.97
		ROUTING OUTFLOW		2.10
BASIN B	14	EXISTING CONDITION	134	4.82
		ROUTING OUTFLOW		5.25
BASIN C	47	EXISTING CONDITION	47.22	2.95
		ROUTING OUTFLOW		3.13
BASIN D	203	EXISTING CONDITION	21.11	0.77
		ROUTING OUTFLOW		0.81
BASIN E	67	EXISTING CONDITION	71.82	4.91
		ROUTING OUTFLOW		2.78

BASIN STUDY SUMMARY
RIO VISTA
JURUPA VALLEY, CA
TRIBUTARY TO MARKET STREET STORM DRAIN
TABLE 2. UNIT HYDROGRAPH AND BASIN ROUTING FLOW TABULATIONS

DRAINAGE AREA	OUTLET NODE	LAND USE	AREA(AC)	UNIT HYDROGRAPH PEAK FLOW RATE (CFS) 2-YR STORM
			EXIST	24 HOUR
BASIN F	504.2	EXISTING CONDITION	16.69	0.88
		ROUTING OUTFLOW		0.95
BASIN G	504.6	EXISTING CONDITION	22.43	0.95
		ROUTING OUTFLOW		0.78
BASIN H	506.4	EXISTING CONDITION	81.84	2.90
		ROUTING OUTFLOW		3.00
BASIN I	507.43	EXISTING CONDITION	20.28	0.79
		ROUTING OUTFLOW		0.80
BASIN J	508.1	DETENTION ONLY		

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/16/21 File: RVEXA242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN A- EXISTING UNIT HYDROGRAPH
2YR-24HR STROM

Drainage Area = 53.70(Ac.) = 0.084 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 53.70(Ac.) = 0.084 Sq. Mi.
Length along longest watercourse = 2145.30(Ft.)
Length along longest watercourse measured to centroid = 1004.00(Ft.)
Length along longest watercourse = 0.406 Mi.
Length along longest watercourse measured to centroid = 0.190 Mi.
Difference in elevation = 460.00(Ft.)
Slope along watercourse = 1132.1493 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.095 Hr.
Lag time = 5.72 Min.
25% of lag time = 1.43 Min.
40% of lag time = 2.29 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	2.70	144.99

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
53.70	7.00	375.90

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
53.700	83.40	0.000

Total Area Entered = 53.70(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
83.4	67.8	0.386	0.000	0.386	1.000	0.386

Sum (F) = 0.386

Area averaged mean soil loss (F) (In/Hr) = 0.386
Minimum soil loss rate ((In/Hr)) = 0.193
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	87.371	15.405	8.337
2	0.167	174.742	46.530	25.182
3	0.250	262.113	18.006	9.745
4	0.333	349.484	7.793	4.217
5	0.417	436.854	4.572	2.474
6	0.500	524.225	2.881	1.559
7	0.583	611.596	2.017	1.091
8	0.667	698.967	1.315	0.712
9	0.750	786.338	0.907	0.491
10	0.833	873.709	0.573	0.310
		Sum = 100.000	Sum=	54.120

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.685)		0.019	0.002
2	0.17	0.07	0.022	(0.682)		0.019	0.002
3	0.25	0.07	0.022	(0.679)		0.019	0.002
4	0.33	0.10	0.032	(0.677)		0.029	0.003
5	0.42	0.10	0.032	(0.674)		0.029	0.003
6	0.50	0.10	0.032	(0.671)		0.029	0.003
7	0.58	0.10	0.032	(0.669)		0.029	0.003
8	0.67	0.10	0.032	(0.666)		0.029	0.003
9	0.75	0.10	0.032	(0.664)		0.029	0.003
10	0.83	0.13	0.043	(0.661)		0.039	0.004
11	0.92	0.13	0.043	(0.658)		0.039	0.004
12	1.00	0.13	0.043	(0.656)		0.039	0.004
13	1.08	0.10	0.032	(0.653)		0.029	0.003
14	1.17	0.10	0.032	(0.651)		0.029	0.003
15	1.25	0.10	0.032	(0.648)		0.029	0.003
16	1.33	0.10	0.032	(0.645)		0.029	0.003
17	1.42	0.10	0.032	(0.643)		0.029	0.003
18	1.50	0.10	0.032	(0.640)		0.029	0.003
19	1.58	0.10	0.032	(0.638)		0.029	0.003
20	1.67	0.10	0.032	(0.635)		0.029	0.003
21	1.75	0.10	0.032	(0.633)		0.029	0.003
22	1.83	0.13	0.043	(0.630)		0.039	0.004
23	1.92	0.13	0.043	(0.628)		0.039	0.004
24	2.00	0.13	0.043	(0.625)		0.039	0.004
25	2.08	0.13	0.043	(0.622)		0.039	0.004
26	2.17	0.13	0.043	(0.620)		0.039	0.004
27	2.25	0.13	0.043	(0.617)		0.039	0.004
28	2.33	0.13	0.043	(0.615)		0.039	0.004
29	2.42	0.13	0.043	(0.612)		0.039	0.004
30	2.50	0.13	0.043	(0.610)		0.039	0.004
31	2.58	0.17	0.054	(0.607)		0.049	0.005
32	2.67	0.17	0.054	(0.605)		0.049	0.005
33	2.75	0.17	0.054	(0.602)		0.049	0.005

34	2.83	0.17	0.054	(0.600)	0.049	0.005
35	2.92	0.17	0.054	(0.597)	0.049	0.005
36	3.00	0.17	0.054	(0.595)	0.049	0.005
37	3.08	0.17	0.054	(0.593)	0.049	0.005
38	3.17	0.17	0.054	(0.590)	0.049	0.005
39	3.25	0.17	0.054	(0.588)	0.049	0.005
40	3.33	0.17	0.054	(0.585)	0.049	0.005
41	3.42	0.17	0.054	(0.583)	0.049	0.005
42	3.50	0.17	0.054	(0.580)	0.049	0.005
43	3.58	0.17	0.054	(0.578)	0.049	0.005
44	3.67	0.17	0.054	(0.575)	0.049	0.005
45	3.75	0.17	0.054	(0.573)	0.049	0.005
46	3.83	0.20	0.065	(0.571)	0.058	0.006
47	3.92	0.20	0.065	(0.568)	0.058	0.006
48	4.00	0.20	0.065	(0.566)	0.058	0.006
49	4.08	0.20	0.065	(0.563)	0.058	0.006
50	4.17	0.20	0.065	(0.561)	0.058	0.006
51	4.25	0.20	0.065	(0.559)	0.058	0.006
52	4.33	0.23	0.076	(0.556)	0.068	0.008
53	4.42	0.23	0.076	(0.554)	0.068	0.008
54	4.50	0.23	0.076	(0.551)	0.068	0.008
55	4.58	0.23	0.076	(0.549)	0.068	0.008
56	4.67	0.23	0.076	(0.547)	0.068	0.008
57	4.75	0.23	0.076	(0.544)	0.068	0.008
58	4.83	0.27	0.086	(0.542)	0.078	0.009
59	4.92	0.27	0.086	(0.540)	0.078	0.009
60	5.00	0.27	0.086	(0.537)	0.078	0.009
61	5.08	0.20	0.065	(0.535)	0.058	0.006
62	5.17	0.20	0.065	(0.533)	0.058	0.006
63	5.25	0.20	0.065	(0.530)	0.058	0.006
64	5.33	0.23	0.076	(0.528)	0.068	0.008
65	5.42	0.23	0.076	(0.526)	0.068	0.008
66	5.50	0.23	0.076	(0.523)	0.068	0.008
67	5.58	0.27	0.086	(0.521)	0.078	0.009
68	5.67	0.27	0.086	(0.519)	0.078	0.009
69	5.75	0.27	0.086	(0.517)	0.078	0.009
70	5.83	0.27	0.086	(0.514)	0.078	0.009
71	5.92	0.27	0.086	(0.512)	0.078	0.009
72	6.00	0.27	0.086	(0.510)	0.078	0.009
73	6.08	0.30	0.097	(0.508)	0.087	0.010
74	6.17	0.30	0.097	(0.505)	0.087	0.010
75	6.25	0.30	0.097	(0.503)	0.087	0.010
76	6.33	0.30	0.097	(0.501)	0.087	0.010
77	6.42	0.30	0.097	(0.499)	0.087	0.010
78	6.50	0.30	0.097	(0.496)	0.087	0.010
79	6.58	0.33	0.108	(0.494)	0.097	0.011
80	6.67	0.33	0.108	(0.492)	0.097	0.011
81	6.75	0.33	0.108	(0.490)	0.097	0.011
82	6.83	0.33	0.108	(0.487)	0.097	0.011
83	6.92	0.33	0.108	(0.485)	0.097	0.011
84	7.00	0.33	0.108	(0.483)	0.097	0.011
85	7.08	0.33	0.108	(0.481)	0.097	0.011
86	7.17	0.33	0.108	(0.479)	0.097	0.011
87	7.25	0.33	0.108	(0.476)	0.097	0.011
88	7.33	0.37	0.119	(0.474)	0.107	0.012
89	7.42	0.37	0.119	(0.472)	0.107	0.012
90	7.50	0.37	0.119	(0.470)	0.107	0.012
91	7.58	0.40	0.130	(0.468)	0.117	0.013
92	7.67	0.40	0.130	(0.466)	0.117	0.013
93	7.75	0.40	0.130	(0.463)	0.117	0.013
94	7.83	0.43	0.140	(0.461)	0.126	0.014
95	7.92	0.43	0.140	(0.459)	0.126	0.014
96	8.00	0.43	0.140	(0.457)	0.126	0.014
97	8.08	0.50	0.162	(0.455)	0.146	0.016
98	8.17	0.50	0.162	(0.453)	0.146	0.016
99	8.25	0.50	0.162	(0.451)	0.146	0.016
100	8.33	0.50	0.162	(0.449)	0.146	0.016

101	8.42	0.50	0.162	(0.446)	0.146	0.016
102	8.50	0.50	0.162	(0.444)	0.146	0.016
103	8.58	0.53	0.173	(0.442)	0.156	0.017
104	8.67	0.53	0.173	(0.440)	0.156	0.017
105	8.75	0.53	0.173	(0.438)	0.156	0.017
106	8.83	0.57	0.184	(0.436)	0.165	0.018
107	8.92	0.57	0.184	(0.434)	0.165	0.018
108	9.00	0.57	0.184	(0.432)	0.165	0.018
109	9.08	0.63	0.205	(0.430)	0.185	0.021
110	9.17	0.63	0.205	(0.428)	0.185	0.021
111	9.25	0.63	0.205	(0.426)	0.185	0.021
112	9.33	0.67	0.216	(0.424)	0.194	0.022
113	9.42	0.67	0.216	(0.422)	0.194	0.022
114	9.50	0.67	0.216	(0.420)	0.194	0.022
115	9.58	0.70	0.227	(0.418)	0.204	0.023
116	9.67	0.70	0.227	(0.416)	0.204	0.023
117	9.75	0.70	0.227	(0.414)	0.204	0.023
118	9.83	0.73	0.238	(0.412)	0.214	0.024
119	9.92	0.73	0.238	(0.410)	0.214	0.024
120	10.00	0.73	0.238	(0.408)	0.214	0.024
121	10.08	0.50	0.162	(0.406)	0.146	0.016
122	10.17	0.50	0.162	(0.404)	0.146	0.016
123	10.25	0.50	0.162	(0.402)	0.146	0.016
124	10.33	0.50	0.162	(0.400)	0.146	0.016
125	10.42	0.50	0.162	(0.398)	0.146	0.016
126	10.50	0.50	0.162	(0.396)	0.146	0.016
127	10.58	0.67	0.216	(0.394)	0.194	0.022
128	10.67	0.67	0.216	(0.392)	0.194	0.022
129	10.75	0.67	0.216	(0.390)	0.194	0.022
130	10.83	0.67	0.216	(0.388)	0.194	0.022
131	10.92	0.67	0.216	(0.386)	0.194	0.022
132	11.00	0.67	0.216	(0.385)	0.194	0.022
133	11.08	0.63	0.205	(0.383)	0.185	0.021
134	11.17	0.63	0.205	(0.381)	0.185	0.021
135	11.25	0.63	0.205	(0.379)	0.185	0.021
136	11.33	0.63	0.205	(0.377)	0.185	0.021
137	11.42	0.63	0.205	(0.375)	0.185	0.021
138	11.50	0.63	0.205	(0.373)	0.185	0.021
139	11.58	0.57	0.184	(0.371)	0.165	0.018
140	11.67	0.57	0.184	(0.370)	0.165	0.018
141	11.75	0.57	0.184	(0.368)	0.165	0.018
142	11.83	0.60	0.194	(0.366)	0.175	0.019
143	11.92	0.60	0.194	(0.364)	0.175	0.019
144	12.00	0.60	0.194	(0.362)	0.175	0.019
145	12.08	0.83	0.270	(0.361)	0.243	0.027
146	12.17	0.83	0.270	(0.359)	0.243	0.027
147	12.25	0.83	0.270	(0.357)	0.243	0.027
148	12.33	0.87	0.281	(0.355)	0.253	0.028
149	12.42	0.87	0.281	(0.353)	0.253	0.028
150	12.50	0.87	0.281	(0.352)	0.253	0.028
151	12.58	0.93	0.302	(0.350)	0.272	0.030
152	12.67	0.93	0.302	(0.348)	0.272	0.030
153	12.75	0.93	0.302	(0.346)	0.272	0.030
154	12.83	0.97	0.313	(0.345)	0.282	0.031
155	12.92	0.97	0.313	(0.343)	0.282	0.031
156	13.00	0.97	0.313	(0.341)	0.282	0.031
157	13.08	1.13	0.367	(0.339)	0.330	0.037
158	13.17	1.13	0.367	(0.338)	0.330	0.037
159	13.25	1.13	0.367	(0.336)	0.330	0.037
160	13.33	1.13	0.367	(0.334)	0.330	0.037
161	13.42	1.13	0.367	(0.332)	0.330	0.037
162	13.50	1.13	0.367	(0.331)	0.330	0.037
163	13.58	0.77	0.248	(0.329)	0.224	0.025
164	13.67	0.77	0.248	(0.327)	0.224	0.025
165	13.75	0.77	0.248	(0.326)	0.224	0.025
166	13.83	0.77	0.248	(0.324)	0.224	0.025
167	13.92	0.77	0.248	(0.322)	0.224	0.025

168	14.00	0.77	0.248	(0.321)	0.224	0.025
169	14.08	0.90	0.292	(0.319)	0.262	0.029
170	14.17	0.90	0.292	(0.318)	0.262	0.029
171	14.25	0.90	0.292	(0.316)	0.262	0.029
172	14.33	0.87	0.281	(0.314)	0.253	0.028
173	14.42	0.87	0.281	(0.313)	0.253	0.028
174	14.50	0.87	0.281	(0.311)	0.253	0.028
175	14.58	0.87	0.281	(0.309)	0.253	0.028
176	14.67	0.87	0.281	(0.308)	0.253	0.028
177	14.75	0.87	0.281	(0.306)	0.253	0.028
178	14.83	0.83	0.270	(0.305)	0.243	0.027
179	14.92	0.83	0.270	(0.303)	0.243	0.027
180	15.00	0.83	0.270	(0.302)	0.243	0.027
181	15.08	0.80	0.259	(0.300)	0.233	0.026
182	15.17	0.80	0.259	(0.299)	0.233	0.026
183	15.25	0.80	0.259	(0.297)	0.233	0.026
184	15.33	0.77	0.248	(0.295)	0.224	0.025
185	15.42	0.77	0.248	(0.294)	0.224	0.025
186	15.50	0.77	0.248	(0.292)	0.224	0.025
187	15.58	0.63	0.205	(0.291)	0.185	0.021
188	15.67	0.63	0.205	(0.289)	0.185	0.021
189	15.75	0.63	0.205	(0.288)	0.185	0.021
190	15.83	0.63	0.205	(0.287)	0.185	0.021
191	15.92	0.63	0.205	(0.285)	0.185	0.021
192	16.00	0.63	0.205	(0.284)	0.185	0.021
193	16.08	0.13	0.043	(0.282)	0.039	0.004
194	16.17	0.13	0.043	(0.281)	0.039	0.004
195	16.25	0.13	0.043	(0.279)	0.039	0.004
196	16.33	0.13	0.043	(0.278)	0.039	0.004
197	16.42	0.13	0.043	(0.276)	0.039	0.004
198	16.50	0.13	0.043	(0.275)	0.039	0.004
199	16.58	0.10	0.032	(0.274)	0.029	0.003
200	16.67	0.10	0.032	(0.272)	0.029	0.003
201	16.75	0.10	0.032	(0.271)	0.029	0.003
202	16.83	0.10	0.032	(0.269)	0.029	0.003
203	16.92	0.10	0.032	(0.268)	0.029	0.003
204	17.00	0.10	0.032	(0.267)	0.029	0.003
205	17.08	0.17	0.054	(0.265)	0.049	0.005
206	17.17	0.17	0.054	(0.264)	0.049	0.005
207	17.25	0.17	0.054	(0.263)	0.049	0.005
208	17.33	0.17	0.054	(0.261)	0.049	0.005
209	17.42	0.17	0.054	(0.260)	0.049	0.005
210	17.50	0.17	0.054	(0.259)	0.049	0.005
211	17.58	0.17	0.054	(0.258)	0.049	0.005
212	17.67	0.17	0.054	(0.256)	0.049	0.005
213	17.75	0.17	0.054	(0.255)	0.049	0.005
214	17.83	0.13	0.043	(0.254)	0.039	0.004
215	17.92	0.13	0.043	(0.252)	0.039	0.004
216	18.00	0.13	0.043	(0.251)	0.039	0.004
217	18.08	0.13	0.043	(0.250)	0.039	0.004
218	18.17	0.13	0.043	(0.249)	0.039	0.004
219	18.25	0.13	0.043	(0.248)	0.039	0.004
220	18.33	0.13	0.043	(0.246)	0.039	0.004
221	18.42	0.13	0.043	(0.245)	0.039	0.004
222	18.50	0.13	0.043	(0.244)	0.039	0.004
223	18.58	0.10	0.032	(0.243)	0.029	0.003
224	18.67	0.10	0.032	(0.242)	0.029	0.003
225	18.75	0.10	0.032	(0.240)	0.029	0.003
226	18.83	0.07	0.022	(0.239)	0.019	0.002
227	18.92	0.07	0.022	(0.238)	0.019	0.002
228	19.00	0.07	0.022	(0.237)	0.019	0.002
229	19.08	0.10	0.032	(0.236)	0.029	0.003
230	19.17	0.10	0.032	(0.235)	0.029	0.003
231	19.25	0.10	0.032	(0.234)	0.029	0.003
232	19.33	0.13	0.043	(0.233)	0.039	0.004
233	19.42	0.13	0.043	(0.231)	0.039	0.004
234	19.50	0.13	0.043	(0.230)	0.039	0.004

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235  19.58     0.10      0.032       (  0.229)       0.029        0.003
236  19.67     0.10      0.032       (  0.228)       0.029        0.003
237  19.75     0.10      0.032       (  0.227)       0.029        0.003
238  19.83     0.07      0.022       (  0.226)       0.019        0.002
239  19.92     0.07      0.022       (  0.225)       0.019        0.002
240  20.00     0.07      0.022       (  0.224)       0.019        0.002
241  20.08     0.10      0.032       (  0.223)       0.029        0.003
242  20.17     0.10      0.032       (  0.222)       0.029        0.003
243  20.25     0.10      0.032       (  0.221)       0.029        0.003
244  20.33     0.10      0.032       (  0.220)       0.029        0.003
245  20.42     0.10      0.032       (  0.219)       0.029        0.003
246  20.50     0.10      0.032       (  0.218)       0.029        0.003
247  20.58     0.10      0.032       (  0.218)       0.029        0.003
248  20.67     0.10      0.032       (  0.217)       0.029        0.003
249  20.75     0.10      0.032       (  0.216)       0.029        0.003
250  20.83     0.07      0.022       (  0.215)       0.019        0.002
251  20.92     0.07      0.022       (  0.214)       0.019        0.002
252  21.00     0.07      0.022       (  0.213)       0.019        0.002
253  21.08     0.10      0.032       (  0.212)       0.029        0.003
254  21.17     0.10      0.032       (  0.211)       0.029        0.003
255  21.25     0.10      0.032       (  0.211)       0.029        0.003
256  21.33     0.07      0.022       (  0.210)       0.019        0.002
257  21.42     0.07      0.022       (  0.209)       0.019        0.002
258  21.50     0.07      0.022       (  0.208)       0.019        0.002
259  21.58     0.10      0.032       (  0.208)       0.029        0.003
260  21.67     0.10      0.032       (  0.207)       0.029        0.003
261  21.75     0.10      0.032       (  0.206)       0.029        0.003
262  21.83     0.07      0.022       (  0.205)       0.019        0.002
263  21.92     0.07      0.022       (  0.205)       0.019        0.002
264  22.00     0.07      0.022       (  0.204)       0.019        0.002
265  22.08     0.10      0.032       (  0.203)       0.029        0.003
266  22.17     0.10      0.032       (  0.203)       0.029        0.003
267  22.25     0.10      0.032       (  0.202)       0.029        0.003
268  22.33     0.07      0.022       (  0.201)       0.019        0.002
269  22.42     0.07      0.022       (  0.201)       0.019        0.002
270  22.50     0.07      0.022       (  0.200)       0.019        0.002
271  22.58     0.07      0.022       (  0.200)       0.019        0.002
272  22.67     0.07      0.022       (  0.199)       0.019        0.002
273  22.75     0.07      0.022       (  0.198)       0.019        0.002
274  22.83     0.07      0.022       (  0.198)       0.019        0.002
275  22.92     0.07      0.022       (  0.197)       0.019        0.002
276  23.00     0.07      0.022       (  0.197)       0.019        0.002
277  23.08     0.07      0.022       (  0.196)       0.019        0.002
278  23.17     0.07      0.022       (  0.196)       0.019        0.002
279  23.25     0.07      0.022       (  0.196)       0.019        0.002
280  23.33     0.07      0.022       (  0.195)       0.019        0.002
281  23.42     0.07      0.022       (  0.195)       0.019        0.002
282  23.50     0.07      0.022       (  0.194)       0.019        0.002
283  23.58     0.07      0.022       (  0.194)       0.019        0.002
284  23.67     0.07      0.022       (  0.194)       0.019        0.002
285  23.75     0.07      0.022       (  0.194)       0.019        0.002
286  23.83     0.07      0.022       (  0.193)       0.019        0.002
287  23.92     0.07      0.022       (  0.193)       0.019        0.002
288  24.00     0.07      0.022       (  0.193)       0.019        0.002
            (Loss Rate Not Used)
    Sum =     100.0                                  Sum =     3.2
     Flood volume = Effective rainfall      0.27(In)
      times area      53.7(Ac.)/[(In)/(Ft.)] =       1.2(Ac.Ft)
     Total soil loss =      2.43(In)
     Total soil loss =    10.873(Ac.Ft)
     Total rainfall =      2.70(In)
     Flood volume =       52625.8 Cubic Feet
     Total soil loss =      473632.6 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =      1.974(CFS)
     ---------------------------------------------------------------------
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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.02	Q				
0+10	0.0006	0.07	Q				
0+15	0.0013	0.09	Q				
0+20	0.0020	0.11	Q				
0+25	0.0030	0.14	Q				
0+30	0.0041	0.16	Q				
0+35	0.0053	0.16	Q				
0+40	0.0064	0.17	Q				
0+45	0.0076	0.17	Q				
0+50	0.0089	0.18	Q				
0+55	0.0103	0.21	Q				
1+ 0	0.0118	0.22	Q				
1+ 5	0.0133	0.22	Q				
1+10	0.0147	0.19	Q				
1+15	0.0159	0.18	Q				
1+20	0.0172	0.18	Q				
1+25	0.0184	0.18	Q				
1+30	0.0196	0.18	Q				
1+35	0.0209	0.18	Q				
1+40	0.0221	0.18	Q				
1+45	0.0233	0.18	Q				
1+50	0.0246	0.18	Q				
1+55	0.0260	0.21	Q				
2+ 0	0.0275	0.22	Q				
2+ 5	0.0291	0.23	Q				
2+10	0.0307	0.23	QV				
2+15	0.0323	0.23	QV				
2+20	0.0339	0.23	QV				
2+25	0.0355	0.23	QV				
2+30	0.0371	0.23	QV				
2+35	0.0388	0.24	QV				
2+40	0.0406	0.27	|Q				
2+45	0.0426	0.28	|Q				
2+50	0.0445	0.29	|Q				
2+55	0.0465	0.29	|Q				
3+ 0	0.0485	0.29	|Q				
3+ 5	0.0505	0.29	|Q				
3+10	0.0525	0.29	|Q				
3+15	0.0545	0.29	|Q				
3+20	0.0565	0.29	|Q				
3+25	0.0585	0.29	|Q				
3+30	0.0606	0.29	|QV				
3+35	0.0626	0.29	|QV				
3+40	0.0646	0.29	|QV				
3+45	0.0666	0.29	|QV				
3+50	0.0687	0.30	|QV				
3+55	0.0709	0.33	|QV				
4+ 0	0.0733	0.34	|QV				
4+ 5	0.0756	0.34	|QV				
4+10	0.0780	0.35	|QV				
4+15	0.0804	0.35	|QV				
4+20	0.0829	0.36	|QV				
4+25	0.0856	0.39	|QV				
4+30	0.0883	0.40	|QV				
4+35	0.0911	0.40	|Q V				
4+40	0.0938	0.40	|Q V				
4+45	0.0966	0.41	|Q V				
4+50	0.0995	0.42	|Q V				
4+55	0.1026	0.44	|Q V				

```
 5+ 0       0.1057      0.46  |Q V      |          |          |          |
 5+ 5       0.1088      0.44  |Q V      |          |          |          |
 5+10       0.1115      0.39  |Q V      |          |          |          |
 5+15       0.1140      0.37  |Q V      |          |          |          |
 5+20       0.1166      0.37  |Q V      |          |          |          |
 5+25       0.1193      0.40  |Q V      |          |          |          |
 5+30       0.1221      0.40  |Q  V     |          |          |          |
 5+35       0.1249      0.41  |Q  V     |          |          |          |
 5+40       0.1280      0.44  |Q  V     |          |          |          |
 5+45       0.1311      0.45  |Q  V     |          |          |          |
 5+50       0.1343      0.46  |Q  V     |          |          |          |
 5+55       0.1375      0.46  |Q  V     |          |          |          |
 6+ 0       0.1407      0.46  |Q  V     |          |          |          |
 6+ 5       0.1439      0.48  |Q  V     |          |          |          |
 6+10       0.1474      0.50  | Q V     |          |          |          |
 6+15       0.1509      0.51  | Q V     |          |          |          |
 6+20       0.1545      0.52  | Q  V    |          |          |          |
 6+25       0.1581      0.52  | Q  V    |          |          |          |
 6+30       0.1617      0.52  | Q  V    |          |          |          |
 6+35       0.1654      0.53  | Q  V    |          |          |          |
 6+40       0.1692      0.56  | Q  V    |          |          |          |
 6+45       0.1732      0.57  | Q  V    |          |          |          |
 6+50       0.1772      0.58  | Q  V    |          |          |          |
 6+55       0.1812      0.58  | Q  V    |          |          |          |
 7+ 0       0.1852      0.58  | Q   V   |          |          |          |
 7+ 5       0.1892      0.58  | Q   V   |          |          |          |
 7+10       0.1932      0.58  | Q   V   |          |          |          |
 7+15       0.1972      0.58  | Q   V   |          |          |          |
 7+20       0.2013      0.59  | Q   V   |          |          |          |
 7+25       0.2056      0.62  | Q   V   |          |          |          |
 7+30       0.2099      0.63  | Q   V   |          |          |          |
 7+35       0.2144      0.65  | Q    V  |          |          |          |
 7+40       0.2190      0.67  | Q    V  |          |          |          |
 7+45       0.2238      0.69  | Q    V  |          |          |          |
 7+50       0.2286      0.70  | Q    V  |          |          |          |
 7+55       0.2336      0.73  | Q    V  |          |          |          |
 8+ 0       0.2388      0.75  | Q    V  |          |          |          |
 8+ 5       0.2441      0.77  |  Q    V |          |          |          |
 8+10       0.2498      0.83  |  Q    V |          |          |          |
 8+15       0.2556      0.85  |  Q    V |          |          |          |
 8+20       0.2616      0.86  |  Q    V |          |          |          |
 8+25       0.2675      0.87  |  Q    V |          |          |          |
 8+30       0.2735      0.87  |  Q     V|          |          |          |
 8+35       0.2796      0.88  |  Q     V|          |          |          |
 8+40       0.2859      0.91  |  Q     V|          |          |          |
 8+45       0.2923      0.92  |  Q     V|          |          |          |
 8+50       0.2987      0.94  |  Q     V|          |          |          |
 8+55       0.3054      0.97  |  Q      V          |          |          |
 9+ 0       0.3121      0.98  |  Q      V          |          |          |
 9+ 5       0.3190      1.00  |   Q     V          |          |          |
 9+10       0.3263      1.06  |   Q     V          |          |          |
 9+15       0.3338      1.08  |   Q     |V         |          |          |
 9+20       0.3414      1.10  |   Q     |V         |          |          |
 9+25       0.3492      1.14  |   Q     |V         |          |          |
 9+30       0.3572      1.15  |   Q     |V         |          |          |
 9+35       0.3652      1.17  |   Q     | V        |          |          |
 9+40       0.3735      1.20  |   Q     | V        |          |          |
 9+45       0.3818      1.21  |   Q     | V        |          |          |
 9+50       0.3903      1.23  |   Q     | V        |          |          |
 9+55       0.3990      1.26  |    Q    |  V       |          |          |
10+ 0       0.4077      1.27  |    Q    |  V       |          |          |
10+ 5       0.4161      1.21  |   Q     |  V       |          |          |
10+10       0.4232      1.03  |   Q     |   V      |          |          |
10+15       0.4297      0.96  |  Q      |   V      |          |          |
10+20       0.4361      0.93  |  Q      |   V      |          |          |
10+25       0.4424      0.91  |  Q      |   V      |          |          |
10+30       0.4485      0.90  |  Q      |   V      |          |          |
```

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10+35       0.4550      0.93  |  Q      |    V    |         |         |
10+40       0.4623      1.06  |   Q     |    V    |         |         |
10+45       0.4700      1.11  |   Q     |    V    |         |         |
10+50       0.4778      1.13  |   Q     |    V    |         |         |
10+55       0.4857      1.15  |   Q     |     V   |         |         |
11+ 0       0.4936      1.16  |   Q     |     V   |         |         |
11+ 5       0.5016      1.15  |   Q     |     V   |         |         |
11+10       0.5093      1.13  |   Q     |     V   |         |         |
11+15       0.5171      1.12  |   Q     |      V  |         |         |
11+20       0.5248      1.12  |   Q     |      V  |         |         |
11+25       0.5324      1.12  |   Q     |      V  |         |         |
11+30       0.5401      1.11  |   Q     |      V  |         |         |
11+35       0.5477      1.09  |   Q     |       V |         |         |
11+40       0.5548      1.04  |   Q     |       V |         |         |
11+45       0.5618      1.02  |   Q     |       V |         |         |
11+50       0.5688      1.02  |   Q     |       V |         |         |
11+55       0.5760      1.04  |   Q     |        V|         |         |
12+ 0       0.5832      1.05  |   Q     |        V|         |         |
12+ 5       0.5908      1.11  |   Q     |        V|         |         |
12+10       0.5998      1.30  |    Q    |        V|         |         |
12+15       0.6093      1.38  |    Q    |         V         |         |
12+20       0.6191      1.42  |    Q    |         V         |         |
12+25       0.6292      1.47  |    Q    |         V         |         |
12+30       0.6394      1.49  |    Q    |         |V        |         |
12+35       0.6499      1.52  |     Q   |         |V        |         |
12+40       0.6608      1.58  |     Q   |         |V        |         |
12+45       0.6719      1.61  |     Q   |         | V       |         |
12+50       0.6831      1.63  |     Q   |         | V       |         |
12+55       0.6946      1.66  |     Q   |         | V       |         |
13+ 0       0.7061      1.68  |     Q   |         |  V      |         |
13+ 5       0.7180      1.73  |     Q   |         |  V      |         |
13+10       0.7309      1.87  |      Q  |         |   V     |         |
13+15       0.7442      1.93  |      Q  |         |   V     |         |
13+20       0.7576      1.95  |      Q  |         |    V    |         |
13+25       0.7711      1.96  |      Q  |         |    V    |         |
13+30       0.7847      1.97  |      Q  |         |    V    |         |
13+35       0.7977      1.88  |      Q  |         |     V   |         |
13+40       0.8086      1.59  |     Q   |         |     V   |         |
13+45       0.8187      1.47  |    Q    |         |      V  |         |
13+50       0.8286      1.42  |    Q    |         |      V  |         |
13+55       0.8382      1.39  |    Q    |         |      V  |         |
14+ 0       0.8476      1.38  |    Q    |         |       V |         |
14+ 5       0.8573      1.40  |    Q    |         |       V |         |
14+10       0.8676      1.50  |    Q    |         |       V |         |
14+15       0.8782      1.54  |     Q   |         |        V|         |
14+20       0.8888      1.54  |     Q   |         |        V|         |
14+25       0.8993      1.52  |     Q   |         |        V|         |
14+30       0.9098      1.52  |     Q   |         |         V         |
14+35       0.9202      1.52  |     Q   |         |         V         |
14+40       0.9307      1.52  |     Q   |         |         V         |
14+45       0.9412      1.52  |     Q   |         |         |V        |
14+50       0.9516      1.51  |     Q   |         |         |V        |
14+55       0.9618      1.48  |    Q    |         |         |V        |
15+ 0       0.9720      1.47  |    Q    |         |         | V       |
15+ 5       0.9820      1.46  |    Q    |         |         | V       |
15+10       0.9919      1.43  |    Q    |         |         | V       |
15+15       1.0017      1.42  |    Q    |         |         |  V      |
15+20       1.0113      1.40  |    Q    |         |         |  V      |
15+25       1.0208      1.37  |    Q    |         |         |  V      |
15+30       1.0301      1.36  |    Q    |         |         |   V     |
15+35       1.0392      1.32  |    Q    |         |         |   V     |
15+40       1.0475      1.21  |   Q     |         |         |   V     |
15+45       1.0555      1.16  |   Q     |         |         |   V     |
15+50       1.0634      1.14  |   Q     |         |         |    V    |
15+55       1.0711      1.13  |   Q     |         |         |    V    |
16+ 0       1.0789      1.12  |   Q     |         |         |    V    |
16+ 5       1.0856      0.98  |  Q      |         |         |    V    |
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16+10       1.0896      0.57  | Q       |         |         |     V   |
16+15       1.0924      0.41  |Q        |         |         |     V   |
16+20       1.0948      0.34  |Q        |         |         |     V   |
16+25       1.0968      0.30  |Q        |         |         |     V   |
16+30       1.0987      0.28  |Q        |         |         |     V   |
16+35       1.1005      0.25  Q         |         |         |     V   |
16+40       1.1019      0.21  Q         |         |         |     V   |
16+45       1.1032      0.19  Q         |         |         |     V   |
16+50       1.1045      0.18  Q         |         |         |     V   |
16+55       1.1057      0.18  Q         |         |         |     V   |
17+ 0       1.1070      0.18  Q         |         |         |     V   |
17+ 5       1.1083      0.20  Q         |         |         |     V   |
17+10       1.1100      0.25  Q         |         |         |     V   |
17+15       1.1119      0.27  |Q        |         |         |     V   |
17+20       1.1138      0.28  |Q        |         |         |     V   |
17+25       1.1157      0.28  |Q        |         |         |     V   |
17+30       1.1177      0.29  |Q        |         |         |      V  |
17+35       1.1197      0.29  |Q        |         |         |      V  |
17+40       1.1217      0.29  |Q        |         |         |      V  |
17+45       1.1237      0.29  |Q        |         |         |      V  |
17+50       1.1257      0.28  |Q        |         |         |      V  |
17+55       1.1274      0.26  |Q        |         |         |      V  |
18+ 0       1.1291      0.25  Q         |         |         |      V  |
18+ 5       1.1308      0.24  Q         |         |         |      V  |
18+10       1.1324      0.24  Q         |         |         |      V  |
18+15       1.1340      0.24  Q         |         |         |      V  |
18+20       1.1357      0.24  Q         |         |         |      V  |
18+25       1.1373      0.23  Q         |         |         |      V  |
18+30       1.1389      0.23  Q         |         |         |      V  |
18+35       1.1404      0.22  Q         |         |         |      V  |
18+40       1.1418      0.20  Q         |         |         |      V  |
18+45       1.1431      0.19  Q         |         |         |      V  |
18+50       1.1443      0.17  Q         |         |         |      V  |
18+55       1.1453      0.14  Q         |         |         |      V  |
19+ 0       1.1462      0.13  Q         |         |         |      V  |
19+ 5       1.1471      0.13  Q         |         |         |      V  |
19+10       1.1482      0.16  Q         |         |         |       V |
19+15       1.1494      0.17  Q         |         |         |       V |
19+20       1.1506      0.18  Q         |         |         |       V |
19+25       1.1520      0.21  Q         |         |         |       V |
19+30       1.1535      0.22  Q         |         |         |       V |
19+35       1.1550      0.22  Q         |         |         |       V |
19+40       1.1563      0.19  Q         |         |         |       V |
19+45       1.1576      0.18  Q         |         |         |       V |
19+50       1.1588      0.17  Q         |         |         |       V |
19+55       1.1598      0.14  Q         |         |         |       V |
20+ 0       1.1607      0.13  Q         |         |         |       V |
20+ 5       1.1616      0.13  Q         |         |         |       V |
20+10       1.1627      0.16  Q         |         |         |       V |
20+15       1.1639      0.17  Q         |         |         |       V |
20+20       1.1650      0.17  Q         |         |         |       V |
20+25       1.1662      0.17  Q         |         |         |       V |
20+30       1.1674      0.17  Q         |         |         |       V |
20+35       1.1686      0.17  Q         |         |         |       V |
20+40       1.1698      0.17  Q         |         |         |       V |
20+45       1.1710      0.18  Q         |         |         |       V |
20+50       1.1722      0.17  Q         |         |         |       V |
20+55       1.1731      0.14  Q         |         |         |       V |
21+ 0       1.1740      0.13  Q         |         |         |       V |
21+ 5       1.1749      0.13  Q         |         |         |       V |
21+10       1.1760      0.16  Q         |         |         |       V |
21+15       1.1771      0.17  Q         |         |         |       V |
21+20       1.1783      0.16  Q         |         |         |        V|
21+25       1.1792      0.14  Q         |         |         |        V|
21+30       1.1801      0.13  Q         |         |         |        V|
21+35       1.1810      0.13  Q         |         |         |        V|
21+40       1.1820      0.16  Q         |         |         |        V|
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21+45	1.1832	0.17	Q	|	|	|	V|
21+50	1.1843	0.16	Q	|	|	|	V|
21+55	1.1852	0.14	Q	|	|	|	V|
22+ 0	1.1861	0.13	Q	|	|	|	V|
22+ 5	1.1870	0.13	Q	|	|	|	V|
22+10	1.1881	0.16	Q	|	|	|	V|
22+15	1.1892	0.17	Q	|	|	|	V|
22+20	1.1903	0.16	Q	|	|	|	V|
22+25	1.1913	0.14	Q	|	|	|	V|
22+30	1.1921	0.13	Q	|	|	|	V|
22+35	1.1930	0.12	Q	|	|	|	V|
22+40	1.1938	0.12	Q	|	|	|	V|
22+45	1.1946	0.12	Q	|	|	|	V|
22+50	1.1955	0.12	Q	|	|	|	V|
22+55	1.1963	0.12	Q	|	|	|	V|
23+ 0	1.1971	0.12	Q	|	|	|	V|
23+ 5	1.1979	0.12	Q	|	|	|	V|
23+10	1.1987	0.12	Q	|	|	|	V|
23+15	1.1995	0.12	Q	|	|	|	V|
23+20	1.2003	0.12	Q	|	|	|	V|
23+25	1.2011	0.12	Q	|	|	|	V|
23+30	1.2019	0.12	Q	|	|	|	V|
23+35	1.2027	0.12	Q	|	|	|	V|
23+40	1.2035	0.12	Q	|	|	|	V|
23+45	1.2043	0.12	Q	|	|	|	V|
23+50	1.2051	0.12	Q	|	|	|	V|
23+55	1.2059	0.12	Q	|	|	|	V|
24+ 0	1.2067	0.12	Q	|	|	|	V|
24+ 5	1.2074	0.10	Q	|	|	|	V|
24+10	1.2077	0.04	Q	|	|	|	V|
24+15	1.2079	0.02	Q	|	|	|	V|
24+20	1.2080	0.01	Q	|	|	|	V|
24+25	1.2080	0.01	Q	|	|	|	V|
24+30	1.2081	0.01	Q	|	|	|	V|
24+35	1.2081	0.00	Q	|	|	|	V|
24+40	1.2081	0.00	Q	|	|	|	V|
24+45	1.2081	0.00	Q	|	|	|	V

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/27/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRA242.rte
**********HYDROGRAPH DATA**********
Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.691 (CFS)
Total volume = 2.243 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN A- ROUTING
2YR-24HR STORM

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.870	0.307	0.313
2.000	0.660	1.860	0.654	0.666
2.650	0.920	2.240	0.912	0.928
3.000	1.070	36.900	0.943	1.197
3.500	1.300	133.130	0.842	1.758
4.000	1.900	264.030	0.991	2.809

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.9	1.85	2.77	3.69	Depth (Ft.)
0.083	0.12	0.00	0.000	OI	|	|	|	|	0.00
0.167	0.20	0.00	0.002	OI	|	|	|	|	0.00
0.250	0.22	0.01	0.003	OI	|	|	|	|	0.01
0.333	0.28	0.01	0.005	O I	|	|	|	|	0.01
0.417	0.32	0.02	0.007	O I	|	|	|	|	0.02
0.500	0.33	0.02	0.009	O I	|	|	|	|	0.03

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0.583    0.33    0.03      0.011  O I     |       |       |       |     0.03
0.667    0.33    0.04      0.013  O I     |       |       |       |     0.04
0.750    0.33    0.04      0.015  O I     |       |       |       |     0.05
0.833    0.39    0.05      0.017  O  I    |       |       |       |     0.05
0.917    0.43    0.05      0.019  O  I    |       |       |       |     0.06
1.000    0.43    0.06      0.022  O  I    |       |       |       |     0.07
1.083    0.37    0.07      0.024  O  I    |       |       |       |     0.08
1.167    0.33    0.07      0.026  O I     |       |       |       |     0.08
1.250    0.33    0.08      0.028  O I     |       |       |       |     0.09
1.333    0.33    0.08      0.030  O I     |       |       |       |     0.10
1.417    0.33    0.09      0.031  O I     |       |       |       |     0.10
1.500    0.33    0.09      0.033  O I     |       |       |       |     0.11
1.583    0.33    0.10      0.034  O I     |       |       |       |     0.11
1.667    0.33    0.10      0.036  O I     |       |       |       |     0.12
1.750    0.33    0.11      0.038  O I     |       |       |       |     0.12
1.833    0.39    0.11      0.039  O  I    |       |       |       |     0.13
1.917    0.43    0.12      0.041  |O I    |       |       |       |     0.13
2.000    0.43    0.12      0.043  |O I    |       |       |       |     0.14
2.083    0.43    0.13      0.046  |O I    |       |       |       |     0.15
2.167    0.43    0.13      0.048  |O I    |       |       |       |     0.15
2.250    0.43    0.14      0.050  |O I    |       |       |       |     0.16
2.333    0.43    0.15      0.052  |O I    |       |       |       |     0.17
2.417    0.43    0.15      0.054  |O I    |       |       |       |     0.17
2.500    0.43    0.16      0.056  |O I    |       |       |       |     0.18
2.583    0.50    0.16      0.058  |O  I   |       |       |       |     0.19
2.667    0.54    0.17      0.060  |O  I   |       |       |       |     0.19
2.750    0.54    0.18      0.063  |O  I   |       |       |       |     0.20
2.833    0.54    0.18      0.065  |O  I   |       |       |       |     0.21
2.917    0.54    0.19      0.068  |O  I   |       |       |       |     0.22
3.000    0.54    0.20      0.070  |O  I   |       |       |       |     0.23
3.083    0.54    0.20      0.072  |O  I   |       |       |       |     0.23
3.167    0.54    0.21      0.075  |O  I   |       |       |       |     0.24
3.250    0.54    0.22      0.077  |O  I   |       |       |       |     0.25
3.333    0.54    0.22      0.079  |O  I   |       |       |       |     0.26
3.417    0.54    0.23      0.081  |O  I   |       |       |       |     0.26
3.500    0.54    0.23      0.084  | O I   |       |       |       |     0.27
3.583    0.54    0.24      0.086  | O I   |       |       |       |     0.28
3.667    0.54    0.25      0.088  | O I   |       |       |       |     0.28
3.750    0.54    0.25      0.090  | O I   |       |       |       |     0.29
3.833    0.60    0.26      0.092  | O  I  |       |       |       |     0.30
3.917    0.64    0.27      0.094  | O  I  |       |       |       |     0.30
4.000    0.65    0.27      0.097  | O  I  |       |       |       |     0.31
4.083    0.65    0.28      0.100  | O  I  |       |       |       |     0.32
4.167    0.65    0.29      0.102  | O  I  |       |       |       |     0.33
4.250    0.65    0.29      0.105  | O  I  |       |       |       |     0.34
4.333    0.71    0.30      0.107  | O   I |       |       |       |     0.35
4.417    0.75    0.31      0.110  | O   I |       |       |       |     0.36
4.500    0.76    0.32      0.113  | O   I |       |       |       |     0.37
4.583    0.76    0.33      0.116  | O   I |       |       |       |     0.38
4.667    0.76    0.33      0.119  | O   I |       |       |       |     0.38
4.750    0.76    0.34      0.122  | O   I |       |       |       |     0.39
4.833    0.82    0.35      0.125  |  O   I|       |       |       |     0.40
4.917    0.86    0.36      0.129  |  O   I|       |       |       |     0.41
5.000    0.87    0.37      0.132  |  O   I|       |       |       |     0.43
5.083    0.74    0.38      0.135  |  O  I |       |       |       |     0.44
5.167    0.66    0.39      0.137  |  O I  |       |       |       |     0.44
5.250    0.65    0.39      0.139  |  O I  |       |       |       |     0.45
5.333    0.71    0.40      0.141  |  O  I |       |       |       |     0.46
5.417    0.75    0.40      0.143  |  O  I |       |       |       |     0.46
5.500    0.76    0.41      0.146  |  O  I |       |       |       |     0.47
5.583    0.82    0.42      0.148  |  O   I|       |       |       |     0.48
5.667    0.86    0.42      0.151  |  O   I|       |       |       |     0.49
5.750    0.87    0.43      0.154  |  O   I|       |       |       |     0.50
5.833    0.87    0.44      0.157  |  O   I|       |       |       |     0.51
5.917    0.87    0.45      0.160  |  O   I|       |       |       |     0.52
6.000    0.87    0.46      0.163  |  O   I|       |       |       |     0.53
6.083    0.93    0.47      0.166  |   O   I       |       |       |     0.54
6.167    0.97    0.48      0.169  |   O   I       |       |       |     0.55
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 6.250    0.98    0.48      0.173  |   O   I       |       |       |     0.56
 6.333    0.98    0.49      0.176  |   O   I       |       |       |     0.57
 6.417    0.98    0.50      0.179  |   O   I       |       |       |     0.58
 6.500    0.98    0.51      0.183  |   O   I       |       |       |     0.59
 6.583    1.04    0.52      0.186  |   O   |I      |       |       |     0.60
 6.667    1.08    0.53      0.190  |   O   |I      |       |       |     0.61
 6.750    1.09    0.54      0.193  |   O   |I      |       |       |     0.62
 6.833    1.09    0.55      0.197  |   O   |I      |       |       |     0.64
 6.917    1.09    0.56      0.201  |   O   |I      |       |       |     0.65
 7.000    1.09    0.57      0.204  |   O   |I      |       |       |     0.66
 7.083    1.09    0.58      0.208  |    O  |I      |       |       |     0.67
 7.167    1.09    0.59      0.211  |    O  |I      |       |       |     0.68
 7.250    1.09    0.60      0.215  |    O  |I      |       |       |     0.69
 7.333    1.15    0.61      0.218  |    O  |I      |       |       |     0.70
 7.417    1.19    0.62      0.222  |    O  | I     |       |       |     0.72
 7.500    1.19    0.63      0.226  |    O  | I     |       |       |     0.73
 7.583    1.26    0.64      0.230  |    O  | I     |       |       |     0.74
 7.667    1.30    0.66      0.234  |    O  |  I    |       |       |     0.76
 7.750    1.30    0.67      0.239  |    O  |  I    |       |       |     0.77
 7.833    1.36    0.68      0.243  |    O  |  I    |       |       |     0.78
 7.917    1.40    0.70      0.248  |     O |   I   |       |       |     0.80
 8.000    1.41    0.71      0.253  |     O |   I   |       |       |     0.82
 8.083    1.54    0.72      0.258  |     O |    I  |       |       |     0.83
 8.167    1.62    0.74      0.264  |     O |     I |       |       |     0.85
 8.250    1.63    0.76      0.270  |     O |     I |       |       |     0.87
 8.333    1.63    0.77      0.276  |     O |     I |       |       |     0.89
 8.417    1.63    0.79      0.282  |     O |     I |       |       |     0.91
 8.500    1.63    0.81      0.287  |     O |     I |       |       |     0.93
 8.583    1.69    0.82      0.293  |      O|     I |       |       |     0.95
 8.667    1.73    0.84      0.299  |      O|      I|       |       |     0.96
 8.750    1.74    0.86      0.305  |      O|      I|       |       |     0.98
 8.833    1.80    0.87      0.311  |      O|      I|       |       |     1.00
 8.917    1.84    0.89      0.318  |      O|      I|       |       |     1.02
 9.000    1.85    0.91      0.324  |      O|       I       |       |     1.04
 9.083    1.97    0.93      0.331  |       O       |I      |       |     1.06
 9.167    2.05    0.95      0.339  |       O       |I      |       |     1.08
 9.250    2.06    0.97      0.346  |       O       |I      |       |     1.10
 9.333    2.12    0.99      0.354  |       O       | I     |       |     1.12
 9.417    2.16    1.02      0.362  |       O       | I     |       |     1.15
 9.500    2.17    1.04      0.369  |       O       | I     |       |     1.17
 9.583    2.23    1.06      0.377  |       |O      |  I    |       |     1.19
 9.667    2.27    1.08      0.386  |       |O      |  I    |       |     1.22
 9.750    2.28    1.11      0.394  |       |O      |  I    |       |     1.24
 9.833    2.34    1.13      0.402  |       |O      |   I   |       |     1.26
 9.917    2.38    1.15      0.410  |       | O     |   I   |       |     1.29
10.000    2.39    1.18      0.419  |       | O     |   I   |       |     1.31
10.083    1.95    1.20      0.425  |       | O     I       |       |     1.33
10.167    1.67    1.21      0.430  |       | O   I |       |       |     1.34
10.250    1.63    1.22      0.433  |       | O   I |       |       |     1.35
10.333    1.63    1.22      0.435  |       | O   I |       |       |     1.36
10.417    1.63    1.23      0.438  |       | O   I |       |       |     1.37
10.500    1.63    1.24      0.441  |       | O   I |       |       |     1.37
10.583    1.94    1.25      0.445  |       | O     I       |       |     1.38
10.667    2.14    1.27      0.450  |       | O     | I     |       |     1.40
10.750    2.17    1.28      0.456  |       |  O    | I     |       |     1.42
10.833    2.17    1.30      0.462  |       |  O    | I     |       |     1.43
10.917    2.17    1.32      0.468  |       |  O    | I     |       |     1.45
11.000    2.17    1.33      0.474  |       |  O    | I     |       |     1.47
11.083    2.11    1.35      0.479  |       |  O    | I     |       |     1.48
11.167    2.07    1.36      0.484  |       |  O    |I      |       |     1.50
11.250    2.06    1.38      0.489  |       |  O    |I      |       |     1.51
11.333    2.06    1.39      0.494  |       |   O   |I      |       |     1.53
11.417    2.06    1.40      0.499  |       |   O   |I      |       |     1.54
11.500    2.06    1.42      0.503  |       |   O   |I      |       |     1.55
11.583    1.94    1.43      0.507  |       |   O   I       |       |     1.56
11.667    1.86    1.44      0.510  |       |   O   I       |       |     1.57
11.750    1.85    1.44      0.513  |       |   O   I       |       |     1.58
11.833    1.91    1.45      0.516  |       |   O   I       |       |     1.59
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11.917	1.95	1.46	0.519	|	| O I |	|	1.60
12.000	1.95	1.47	0.523	|	| O I |	|	1.61
12.083	2.39	1.48	0.527	|	| O | I |	|	1.62
12.167	2.67	1.50	0.534	|	| O | I|	|	1.64
12.250	2.71	1.53	0.543	|	| O | I|	|	1.66
12.333	2.78	1.55	0.551	|	| O | I |	|	1.69
12.417	2.82	1.58	0.559	|	| O | I |	|	1.71
12.500	2.82	1.60	0.568	|	| O | I |	|	1.74
12.583	2.95	1.62	0.577	|	| O | |I |	|	1.76
12.667	3.03	1.65	0.586	|	| O | | I |	|	1.79
12.750	3.04	1.68	0.595	|	| O | | I |	|	1.82
12.833	3.10	1.70	0.605	|	| O | | I |	|	1.84
12.917	3.14	1.73	0.615	|	| O| | I |	|	1.87
13.000	3.15	1.76	0.624	|	| O| | I |	|	1.90
13.083	3.46	1.79	0.635	|	| O| | I |	|	1.93
13.167	3.66	1.82	0.647	|	| O| | I |	|	1.96
13.250	3.69	1.86	0.659	|	| O | I |	|	2.00
13.333	3.69	1.88	0.672	|	| O | I |	|	2.03
13.417	3.69	1.90	0.684	|	| O | I |	|	2.06
13.500	3.69	1.91	0.697	|	| O | I |	|	2.09
13.583	3.01	1.93	0.707	|	| O | | I |	|	2.12
13.667	2.57	1.94	0.712	|	| O | I |	|	2.13
13.750	2.50	1.94	0.717	|	| O | I |	|	2.14
13.833	2.50	1.95	0.720	|	| O | I |	|	2.15
13.917	2.50	1.95	0.724	|	| O | I |	|	2.16
14.000	2.50	1.96	0.728	|	| O | I |	|	2.17
14.083	2.75	1.97	0.732	|	| |O | I|	|	2.18
14.167	2.91	1.97	0.738	|	| |O | |I |	|	2.20
14.250	2.93	1.98	0.745	|	| |O | |I |	|	2.21
14.333	2.87	1.99	0.751	|	| |O | I |	|	2.23
14.417	2.83	2.00	0.757	|	| |O | I |	|	2.24
14.500	2.82	2.01	0.762	|	| |O | I |	|	2.26
14.583	2.82	2.02	0.768	|	| |O | I |	|	2.27
14.667	2.82	2.03	0.774	|	| |O | I |	|	2.28
14.750	2.82	2.03	0.779	|	| |O | I |	|	2.30
14.833	2.76	2.04	0.784	|	| |O | I|	|	2.31
14.917	2.72	2.05	0.789	|	| |O | I|	|	2.32
15.000	2.71	2.06	0.794	|	| |O | I|	|	2.33
15.083	2.65	2.06	0.798	|	| |O | I |	|	2.34
15.167	2.61	2.07	0.802	|	| |O | I |	|	2.35
15.250	2.61	2.07	0.806	|	| |O | I |	|	2.36
15.333	2.54	2.08	0.809	|	| | O | I |	|	2.37
15.417	2.50	2.08	0.812	|	| | O | I |	|	2.38
15.500	2.50	2.09	0.815	|	| | O | I |	|	2.39
15.583	**2.25**	**2.09**	**0.817**	**|**	**|**	**| OI |**	**|**	**2.39**
15.667	2.09	2.09	0.817	|	| | O |	|	2.39
15.750	2.06	2.09	0.817	|	| |IO |	|	2.39
15.833	2.06	2.09	0.817	|	| |IO |	|	2.39
15.917	2.06	2.09	0.817	|	| |IO |	|	2.39
16.000	2.06	2.09	0.817	|	| |IO |	|	2.39
16.083	1.13	2.08	0.813	|	|I | O |	|	2.38
16.167	0.53	2.07	0.805	| I |	| |O |	|	2.36
16.250	0.43	2.06	0.794	| I |	| |O |	|	2.33
16.333	0.43	2.04	0.783	| I |	| |O |	|	2.31
16.417	0.43	2.02	0.772	| I |	| |O |	|	2.28
16.500	0.43	2.01	0.761	| I |	| |O |	|	2.25
16.583	0.37	1.99	0.750	| I |	| |O |	|	2.22
16.667	0.33	1.98	0.739	| I |	| |O |	|	2.20
16.750	0.33	1.96	0.727	| I |	| O |	|	2.17
16.833	0.33	1.94	0.716	| I |	| O |	|	2.14
16.917	0.33	1.93	0.705	| I |	| O |	|	2.11
17.000	0.33	1.91	0.694	| I |	| O |	|	2.09
17.083	0.45	1.89	0.684	| I |	| O |	|	2.06
17.167	0.53	1.88	0.674	| I |	| O |	|	2.04
17.250	0.54	1.87	0.665	| I |	| O |	|	2.01
17.333	0.54	1.85	0.656	| I |	| O |	|	1.99
17.417	0.54	1.82	0.647	| I |	| O|	|	1.96
17.500	0.54	1.80	0.638	| I |	| O|	|	1.94

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17.583    0.54    1.77      0.630  |   I   |      O|       |       |     1.91
17.667    0.54    1.75      0.621  |   I   |      O|       |       |     1.89
17.750    0.54    1.73      0.613  |   I   |     O |       |       |     1.87
17.833    0.48    1.70      0.605  |   I   |     O |       |       |     1.84
17.917    0.44    1.68      0.596  |  I    |     O |       |       |     1.82
18.000    0.43    1.66      0.588  |  I    |     O |       |       |     1.79
18.083    0.43    1.63      0.579  |  I    |     O |       |       |     1.77
18.167    0.43    1.61      0.571  |  I    |    O  |       |       |     1.75
18.250    0.43    1.59      0.563  |  I    |    O  |       |       |     1.72
18.333    0.43    1.56      0.555  |  I    |    O  |       |       |     1.70
18.417    0.43    1.54      0.548  |  I    |    O  |       |       |     1.68
18.500    0.43    1.52      0.540  |  I    |    O  |       |       |     1.66
18.583    0.37    1.50      0.533  |  I    |   O   |       |       |     1.64
18.667    0.33    1.48      0.525  | I     |   O   |       |       |     1.61
18.750    0.33    1.46      0.517  | I     |   O   |       |       |     1.59
18.833    0.26    1.43      0.509  | I     |   O   |       |       |     1.57
18.917    0.22    1.41      0.501  |I      |   O   |       |       |     1.55
19.000    0.22    1.39      0.493  |I      |   O   |       |       |     1.52
19.083    0.28    1.36      0.485  | I     |  O    |       |       |     1.50
19.167    0.32    1.34      0.478  | I     |  O    |       |       |     1.48
19.250    0.33    1.32      0.471  | I     |  O    |       |       |     1.46
19.333    0.39    1.31      0.464  |  I    |  O    |       |       |     1.44
19.417    0.43    1.29      0.458  |  I    |  O    |       |       |     1.42
19.500    0.43    1.27      0.452  |  I    |  O    |       |       |     1.41
19.583    0.37    1.26      0.446  |  I    | O     |       |       |     1.39
19.667    0.33    1.24      0.440  | I     | O     |       |       |     1.37
19.750    0.33    1.22      0.434  | I     | O     |       |       |     1.35
19.833    0.26    1.20      0.428  | I     | O     |       |       |     1.34
19.917    0.22    1.18      0.421  |I      | O     |       |       |     1.32
20.000    0.22    1.17      0.414  |I      | O     |       |       |     1.30
20.083    0.28    1.15      0.408  | I     |O      |       |       |     1.28
20.167    0.32    1.13      0.402  | I     |O      |       |       |     1.26
20.250    0.33    1.12      0.397  | I     |O      |       |       |     1.25
20.333    0.33    1.10      0.391  | I     |O      |       |       |     1.23
20.417    0.33    1.09      0.386  | I     |O      |       |       |     1.22
20.500    0.33    1.07      0.381  | I     |O      |       |       |     1.20
20.583    0.33    1.06      0.376  | I     |O      |       |       |     1.19
20.667    0.33    1.04      0.371  | I     |O      |       |       |     1.17
20.750    0.33    1.03      0.366  | I     O       |       |       |     1.16
20.833    0.26    1.01      0.361  | I     O       |       |       |     1.15
20.917    0.22    1.00      0.356  |I      O       |       |       |     1.13
21.000    0.22    0.98      0.350  |I      O       |       |       |     1.12
21.083    0.28    0.97      0.345  | I     O       |       |       |     1.10
21.167    0.32    0.96      0.341  | I     O       |       |       |     1.09
21.250    0.33    0.95      0.337  | I     O       |       |       |     1.08
21.333    0.26    0.93      0.332  | I     O       |       |       |     1.06
21.417    0.22    0.92      0.327  |I     O|       |       |       |     1.05
21.500    0.22    0.91      0.323  |I     O|       |       |       |     1.04
21.583    0.28    0.89      0.318  | I    O|       |       |       |     1.02
21.667    0.32    0.88      0.314  | I    O|       |       |       |     1.01
21.750    0.33    0.87      0.310  | I    O|       |       |       |     1.00
21.833    0.26    0.86      0.306  | I    O|       |       |       |     0.99
21.917    0.22    0.85      0.302  |I     O|       |       |       |     0.97
22.000    0.22    0.84      0.298  |I     O|       |       |       |     0.96
22.083    0.28    0.82      0.294  | I    O|       |       |       |     0.95
22.167    0.32    0.81      0.290  | I    O|       |       |       |     0.94
22.250    0.33    0.81      0.287  | I   O |       |       |       |     0.93
22.333    0.26    0.80      0.283  | I   O |       |       |       |     0.91
22.417    0.22    0.78      0.280  |I    O |       |       |       |     0.90
22.500    0.22    0.77      0.276  |I    O |       |       |       |     0.89
22.583    0.22    0.76      0.272  |I    O |       |       |       |     0.88
22.667    0.22    0.75      0.268  |I    O |       |       |       |     0.87
22.750    0.22    0.74      0.265  |I    O |       |       |       |     0.85
22.833    0.22    0.73      0.261  |I    O |       |       |       |     0.84
22.917    0.22    0.72      0.258  |I    O |       |       |       |     0.83
23.000    0.22    0.71      0.254  |I    O |       |       |       |     0.82
23.083    0.22    0.70      0.251  |I    O |       |       |       |     0.81
23.167    0.22    0.69      0.247  |I    O |       |       |       |     0.80
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23.250	0.22	0.69	0.244	|I O |	|	|	|	0.79
23.333	0.22	0.68	0.241	|I O |	|	|	|	0.78
23.417	0.22	0.67	0.238	|I O |	|	|	|	0.77
23.500	0.22	0.66	0.235	|I O |	|	|	|	0.76
23.583	0.22	0.65	0.232	|I O |	|	|	|	0.75
23.667	0.22	0.64	0.229	|I O |	|	|	|	0.74
23.750	0.22	0.63	0.226	|I O |	|	|	|	0.73
23.833	0.22	0.63	0.223	|I O |	|	|	|	0.72
23.917	0.22	0.62	0.220	|I O |	|	|	|	0.71
24.000	0.22	0.61	0.218	|I O |	|	|	|	0.70
24.083	0.09	0.60	0.214	I O |	|	|	|	0.69
24.167	0.01	0.59	0.211	I O |	|	|	|	0.68
24.250	0.00	0.58	0.207	I O |	|	|	|	0.67
24.333	0.00	0.57	0.203	I O |	|	|	|	0.65
24.417	0.00	0.56	0.199	I O |	|	|	|	0.64
24.500	0.00	0.55	0.195	I O |	|	|	|	0.63
24.583	0.00	0.54	0.191	I O |	|	|	|	0.62
24.667	0.00	0.53	0.188	I O |	|	|	|	0.61
24.750	0.00	0.52	0.184	I O |	|	|	|	0.59
24.833	0.00	0.51	0.181	I O |	|	|	|	0.58
24.917	0.00	0.50	0.177	I O |	|	|	|	0.57
25.000	0.00	0.49	0.174	I O |	|	|	|	0.56
25.083	0.00	0.48	0.170	I O |	|	|	|	0.55
25.167	0.00	0.47	0.167	I O |	|	|	|	0.54
25.250	0.00	0.46	0.164	I O |	|	|	|	0.53
25.333	0.00	0.45	0.161	I O |	|	|	|	0.52
25.417	0.00	0.44	0.158	I O |	|	|	|	0.51
25.500	0.00	0.43	0.155	I O |	|	|	|	0.50
25.583	0.00	0.43	0.152	I O |	|	|	|	0.49
25.667	0.00	0.42	0.149	I O |	|	|	|	0.48
25.750	0.00	0.41	0.146	I O |	|	|	|	0.47
25.833	0.00	0.40	0.143	I O |	|	|	|	0.46
25.917	0.00	0.39	0.140	I O |	|	|	|	0.45
26.000	0.00	0.39	0.138	I O |	|	|	|	0.44
26.083	0.00	0.38	0.135	I O |	|	|	|	0.44
26.167	0.00	0.37	0.133	I O |	|	|	|	0.43
26.250	0.00	0.36	0.130	I O |	|	|	|	0.42
26.333	0.00	0.36	0.127	I O |	|	|	|	0.41
26.417	0.00	0.35	0.125	I O |	|	|	|	0.40
26.500	0.00	0.34	0.123	I O |	|	|	|	0.40
26.583	0.00	0.34	0.120	I O |	|	|	|	0.39
26.667	0.00	0.33	0.118	I O |	|	|	|	0.38
26.750	0.00	0.32	0.116	I O |	|	|	|	0.37
26.833	0.00	0.32	0.114	I O |	|	|	|	0.37
26.917	0.00	0.31	0.111	I O |	|	|	|	0.36
27.000	0.00	0.31	0.109	I O |	|	|	|	0.35
27.083	0.00	0.30	0.107	I O |	|	|	|	0.35
27.167	0.00	0.29	0.105	I O |	|	|	|	0.34
27.250	0.00	0.29	0.103	I O |	|	|	|	0.33
27.333	0.00	0.28	0.101	I O |	|	|	|	0.33
27.417	0.00	0.28	0.099	I O |	|	|	|	0.32
27.500	0.00	0.27	0.097	I O |	|	|	|	0.31
27.583	0.00	0.27	0.095	I O |	|	|	|	0.31
27.667	0.00	0.26	0.094	I O |	|	|	|	0.30
27.750	0.00	0.26	0.092	I O |	|	|	|	0.30
27.833	0.00	0.25	0.090	I O |	|	|	|	0.29
27.917	0.00	0.25	0.088	I O |	|	|	|	0.28
28.000	0.00	0.24	0.087	I O |	|	|	|	0.28
28.083	0.00	0.24	0.085	I O |	|	|	|	0.27
28.167	0.00	0.23	0.083	I O |	|	|	|	0.27
28.250	0.00	0.23	0.082	IO |	|	|	|	0.26
28.333	0.00	0.22	0.080	IO |	|	|	|	0.26
28.417	0.00	0.22	0.079	IO |	|	|	|	0.25
28.500	0.00	0.22	0.077	IO |	|	|	|	0.25
28.583	0.00	0.21	0.076	IO |	|	|	|	0.24
28.667	0.00	0.21	0.074	IO |	|	|	|	0.24
28.750	0.00	0.20	0.073	IO |	|	|	|	0.23
28.833	0.00	0.20	0.071	IO |	|	|	|	0.23

28.917	0.00	0.20	0.070	IO				0.23
29.000	0.00	0.19	0.069	IO				0.22
29.083	0.00	0.19	0.067	IO				0.22
29.167	0.00	0.19	0.066	IO				0.21
29.250	0.00	0.18	0.065	IO				0.21
29.333	0.00	0.18	0.064	IO				0.21
29.417	0.00	0.17	0.062	IO				0.20
29.500	0.00	0.17	0.061	IO				0.20
29.583	0.00	0.17	0.060	IO				0.19
29.667	0.00	0.17	0.059	IO				0.19
29.750	0.00	0.16	0.058	IO				0.19
29.833	0.00	0.16	0.057	IO				0.18
29.917	0.00	0.16	0.056	IO				0.18
30.000	0.00	0.15	0.054	IO				0.18
30.083	0.00	0.15	0.053	IO				0.17
30.167	0.00	0.15	0.052	IO				0.17
30.250	0.00	0.14	0.051	IO				0.17
30.333	0.00	0.14	0.050	IO				0.16
30.417	0.00	0.14	0.049	IO				0.16
30.500	0.00	0.14	0.048	IO				0.16
30.583	0.00	0.13	0.048	IO				0.15
30.667	0.00	0.13	0.047	IO				0.15
30.750	0.00	0.13	0.046	IO				0.15
30.833	0.00	0.13	0.045	IO				0.14
30.917	0.00	0.12	0.044	IO				0.14
31.000	0.00	0.12	0.043	IO				0.14
31.083	0.00	0.12	0.042	IO				0.14
31.167	0.00	0.12	0.042	IO				0.13
31.250	0.00	0.11	0.041	O				0.13
31.333	0.00	0.11	0.040	O				0.13
31.417	0.00	0.11	0.039	O				0.13
31.500	0.00	0.11	0.038	O				0.12
31.583	0.00	0.11	0.038	O				0.12
31.667	0.00	0.10	0.037	O				0.12
31.750	0.00	0.10	0.036	O				0.12
31.833	0.00	0.10	0.036	O				0.11
31.917	0.00	0.10	0.035	O				0.11
32.000	0.00	0.10	0.034	O				0.11
32.083	0.00	0.09	0.034	O				0.11
32.167	0.00	0.09	0.033	O				0.11
32.250	0.00	0.09	0.032	O				0.10
32.333	0.00	0.09	0.032	O				0.10
32.417	0.00	0.09	0.031	O				0.10
32.500	0.00	0.09	0.030	O				0.10
32.583	0.00	0.08	0.030	O				0.10
32.667	0.00	0.08	0.029	O				0.09
32.750	0.00	0.08	0.029	O				0.09
32.833	0.00	0.08	0.028	O				0.09
32.917	0.00	0.08	0.028	O				0.09
33.000	0.00	0.08	0.027	O				0.09
33.083	0.00	0.07	0.027	O				0.09
33.167	0.00	0.07	0.026	O				0.08
33.250	0.00	0.07	0.026	O				0.08
33.333	0.00	0.07	0.025	O				0.08
33.417	0.00	0.07	0.025	O				0.08
33.500	0.00	0.07	0.024	O				0.08
33.583	0.00	0.07	0.024	O				0.08
33.667	0.00	0.07	0.023	O				0.08
33.750	0.00	0.06	0.023	O				0.07
33.833	0.00	0.06	0.022	O				0.07
33.917	0.00	0.06	0.022	O				0.07
34.000	0.00	0.06	0.022	O				0.07
34.083	0.00	0.06	0.021	O				0.07
34.167	0.00	0.06	0.021	O				0.07
34.250	0.00	0.06	0.020	O				0.07
34.333	0.00	0.06	0.020	O				0.06
34.417	0.00	0.05	0.020	O				0.06
34.500	0.00	0.05	0.019	O				0.06

34.583	0.00	0.05	0.019	O	|	|	|	|	0.06
34.667	0.00	0.05	0.018	O	|	|	|	|	0.06
34.750	0.00	0.05	0.018	O	|	|	|	|	0.06
34.833	0.00	0.05	0.018	O	|	|	|	|	0.06
34.917	0.00	0.05	0.017	O	|	|	|	|	0.06
35.000	0.00	0.05	0.017	O	|	|	|	|	0.06
35.083	0.00	0.05	0.017	O	|	|	|	|	0.05
35.167	0.00	0.05	0.016	O	|	|	|	|	0.05
35.250	0.00	0.05	0.016	O	|	|	|	|	0.05
35.333	0.00	0.04	0.016	O	|	|	|	|	0.05
35.417	0.00	0.04	0.016	O	|	|	|	|	0.05
35.500	0.00	0.04	0.015	O	|	|	|	|	0.05
35.583	0.00	0.04	0.015	O	|	|	|	|	0.05
35.667	0.00	0.04	0.015	O	|	|	|	|	0.05
35.750	0.00	0.04	0.014	O	|	|	|	|	0.05
35.833	0.00	0.04	0.014	O	|	|	|	|	0.05
35.917	0.00	0.04	0.014	O	|	|	|	|	0.04
36.000	0.00	0.04	0.014	O	|	|	|	|	0.04
36.083	0.00	0.04	0.013	O	|	|	|	|	0.04
36.167	0.00	0.04	0.013	O	|	|	|	|	0.04
36.250	0.00	0.04	0.013	O	|	|	|	|	0.04
36.333	0.00	0.04	0.013	O	|	|	|	|	0.04
36.417	0.00	0.03	0.012	O	|	|	|	|	0.04
36.500	0.00	0.03	0.012	O	|	|	|	|	0.04
36.583	0.00	0.03	0.012	O	|	|	|	|	0.04
36.667	0.00	0.03	0.012	O	|	|	|	|	0.04
36.750	0.00	0.03	0.011	O	|	|	|	|	0.04
36.833	0.00	0.03	0.011	O	|	|	|	|	0.04
36.917	0.00	0.03	0.011	O	|	|	|	|	0.04
37.000	0.00	0.03	0.011	O	|	|	|	|	0.03
37.083	0.00	0.03	0.011	O	|	|	|	|	0.03
37.167	0.00	0.03	0.010	O	|	|	|	|	0.03
37.250	0.00	0.03	0.010	O	|	|	|	|	0.03
37.333	0.00	0.03	0.010	O	|	|	|	|	0.03
37.417	0.00	0.03	0.010	O	|	|	|	|	0.03
37.500	0.00	0.03	0.010	O	|	|	|	|	0.03
37.583	0.00	0.03	0.009	O	|	|	|	|	0.03
37.667	0.00	0.03	0.009	O	|	|	|	|	0.03
37.750	0.00	0.03	0.009	O	|	|	|	|	0.03
37.833	0.00	0.02	0.009	O	|	|	|	|	0.03
37.917	0.00	0.02	0.009	O	|	|	|	|	0.03
38.000	0.00	0.02	0.009	O	|	|	|	|	0.03
38.083	0.00	0.02	0.008	O	|	|	|	|	0.03
38.167	0.00	0.02	0.008	O	|	|	|	|	0.03
38.250	0.00	0.02	0.008	O	|	|	|	|	0.03
38.333	0.00	0.02	0.008	O	|	|	|	|	0.03
38.417	0.00	0.02	0.008	O	|	|	|	|	0.02
38.500	0.00	0.02	0.008	O	|	|	|	|	0.02
38.583	0.00	0.02	0.007	O	|	|	|	|	0.02
38.667	0.00	0.02	0.007	O	|	|	|	|	0.02
38.750	0.00	0.02	0.007	O	|	|	|	|	0.02
38.833	0.00	0.02	0.007	O	|	|	|	|	0.02
38.917	0.00	0.02	0.007	O	|	|	|	|	0.02
39.000	0.00	0.02	0.007	O	|	|	|	|	0.02
39.083	0.00	0.02	0.007	O	|	|	|	|	0.02
39.167	0.00	0.02	0.006	O	|	|	|	|	0.02
39.250	0.00	0.02	0.006	O	|	|	|	|	0.02
39.333	0.00	0.02	0.006	O	|	|	|	|	0.02
39.417	0.00	0.02	0.006	O	|	|	|	|	0.02
39.500	0.00	0.02	0.006	O	|	|	|	|	0.02
39.583	0.00	0.02	0.006	O	|	|	|	|	0.02
39.667	0.00	0.02	0.006	O	|	|	|	|	0.02
39.750	0.00	0.02	0.006	O	|	|	|	|	0.02
39.833	0.00	0.02	0.006	O	|	|	|	|	0.02
39.917	0.00	0.02	0.005	O	|	|	|	|	0.02
40.000	0.00	0.02	0.005	O	|	|	|	|	0.02
40.083	0.00	0.01	0.005	O	|	|	|	|	0.02
40.167	0.00	0.01	0.005	O	|	|	|	|	0.02

40.250	0.00	0.01	0.005	O	|	|	|	|	0.02
40.333	0.00	0.01	0.005	O	|	|	|	|	0.02
40.417	0.00	0.01	0.005	O	|	|	|	|	0.02
40.500	0.00	0.01	0.005	O	|	|	|	|	0.02
40.583	0.00	0.01	0.005	O	|	|	|	|	0.02
40.667	0.00	0.01	0.005	O	|	|	|	|	0.01
40.750	0.00	0.01	0.004	O	|	|	|	|	0.01
40.833	0.00	0.01	0.004	O	|	|	|	|	0.01
40.917	0.00	0.01	0.004	O	|	|	|	|	0.01
41.000	0.00	0.01	0.004	O	|	|	|	|	0.01
41.083	0.00	0.01	0.004	O	|	|	|	|	0.01
41.167	0.00	0.01	0.004	O	|	|	|	|	0.01
41.250	0.00	0.01	0.004	O	|	|	|	|	0.01
41.333	0.00	0.01	0.004	O	|	|	|	|	0.01
41.417	0.00	0.01	0.004	O	|	|	|	|	0.01
41.500	0.00	0.01	0.004	O	|	|	|	|	0.01
41.583	0.00	0.01	0.004	O	|	|	|	|	0.01
41.667	0.00	0.01	0.004	O	|	|	|	|	0.01
41.750	0.00	0.01	0.004	O	|	|	|	|	0.01
41.833	0.00	0.01	0.004	O	|	|	|	|	0.01
41.917	0.00	0.01	0.003	O	|	|	|	|	0.01
42.000	0.00	0.01	0.003	O	|	|	|	|	0.01
42.083	0.00	0.01	0.003	O	|	|	|	|	0.01
42.167	0.00	0.01	0.003	O	|	|	|	|	0.01
42.250	0.00	0.01	0.003	O	|	|	|	|	0.01
42.333	0.00	0.01	0.003	O	|	|	|	|	0.01
42.417	0.00	0.01	0.003	O	|	|	|	|	0.01
42.500	0.00	0.01	0.003	O	|	|	|	|	0.01
42.583	0.00	0.01	0.003	O	|	|	|	|	0.01
42.667	0.00	0.01	0.003	O	|	|	|	|	0.01
42.750	0.00	0.01	0.003	O	|	|	|	|	0.01
42.833	0.00	0.01	0.003	O	|	|	|	|	0.01
42.917	0.00	0.01	0.003	O	|	|	|	|	0.01
43.000	0.00	0.01	0.003	O	|	|	|	|	0.01
43.083	0.00	0.01	0.003	O	|	|	|	|	0.01
43.167	0.00	0.01	0.003	O	|	|	|	|	0.01
43.250	0.00	0.01	0.003	O	|	|	|	|	0.01
43.333	0.00	0.01	0.002	O	|	|	|	|	0.01
43.417	0.00	0.01	0.002	O	|	|	|	|	0.01
43.500	0.00	0.01	0.002	O	|	|	|	|	0.01
43.583	0.00	0.01	0.002	O	|	|	|	|	0.01
43.667	0.00	0.01	0.002	O	|	|	|	|	0.01
43.750	0.00	0.01	0.002	O	|	|	|	|	0.01
43.833	0.00	0.01	0.002	O	|	|	|	|	0.01
43.917	0.00	0.01	0.002	O	|	|	|	|	0.01
44.000	0.00	0.01	0.002	O	|	|	|	|	0.01
44.083	0.00	0.01	0.002	O	|	|	|	|	0.01
44.167	0.00	0.01	0.002	O	|	|	|	|	0.01
44.250	0.00	0.01	0.002	O	|	|	|	|	0.01
44.333	0.00	0.01	0.002	O	|	|	|	|	0.01
44.417	0.00	0.01	0.002	O	|	|	|	|	0.01
44.500	0.00	0.01	0.002	O	|	|	|	|	0.01
44.583	0.00	0.01	0.002	O	|	|	|	|	0.01
44.667	0.00	0.01	0.002	O	|	|	|	|	0.01
44.750	0.00	0.00	0.002	O	|	|	|	|	0.01
44.833	0.00	0.00	0.002	O	|	|	|	|	0.01
44.917	0.00	0.00	0.002	O	|	|	|	|	0.01
45.000	0.00	0.00	0.002	O	|	|	|	|	0.01
45.083	0.00	0.00	0.002	O	|	|	|	|	0.01
45.167	0.00	0.00	0.002	O	|	|	|	|	0.01
45.250	0.00	0.00	0.002	O	|	|	|	|	0.01
45.333	0.00	0.00	0.002	O	|	|	|	|	0.01
45.417	0.00	0.00	0.002	O	|	|	|	|	0.00
45.500	0.00	0.00	0.001	O	|	|	|	|	0.00
45.583	0.00	0.00	0.001	O	|	|	|	|	0.00
45.667	0.00	0.00	0.001	O	|	|	|	|	0.00
45.750	0.00	0.00	0.001	O	|	|	|	|	0.00
45.833	0.00	0.00	0.001	O	|	|	|	|	0.00

45.917	0.00	0.00	0.001	O	|	|	|	|	0.00
46.000	0.00	0.00	0.001	O	|	|	|	|	0.00
46.083	0.00	0.00	0.001	O	|	|	|	|	0.00
46.167	0.00	0.00	0.001	O	|	|	|	|	0.00
46.250	0.00	0.00	0.001	O	|	|	|	|	0.00
46.333	0.00	0.00	0.001	O	|	|	|	|	0.00
46.417	0.00	0.00	0.001	O	|	|	|	|	0.00
46.500	0.00	0.00	0.001	O	|	|	|	|	0.00
46.583	0.00	0.00	0.001	O	|	|	|	|	0.00
46.667	0.00	0.00	0.001	O	|	|	|	|	0.00
46.750	0.00	0.00	0.001	O	|	|	|	|	0.00
46.833	0.00	0.00	0.001	O	|	|	|	|	0.00
46.917	0.00	0.00	0.001	O	|	|	|	|	0.00
47.000	0.00	0.00	0.001	O	|	|	|	|	0.00
47.083	0.00	0.00	0.001	O	|	|	|	|	0.00
47.167	0.00	0.00	0.001	O	|	|	|	|	0.00
47.250	0.00	0.00	0.001	O	|	|	|	|	0.00
47.333	0.00	0.00	0.001	O	|	|	|	|	0.00
47.417	0.00	0.00	0.001	O	|	|	|	|	0.00
47.500	0.00	0.00	0.001	O	|	|	|	|	0.00
47.583	0.00	0.00	0.001	O	|	|	|	|	0.00
47.667	0.00	0.00	0.001	O	|	|	|	|	0.00
47.750	0.00	0.00	0.001	O	|	|	|	|	0.00
47.833	0.00	0.00	0.001	O	|	|	|	|	0.00
47.917	0.00	0.00	0.001	O	|	|	|	|	0.00
48.000	0.00	0.00	0.001	O	|	|	|	|	0.00
48.083	0.00	0.00	0.001	O	|	|	|	|	0.00
48.167	0.00	0.00	0.001	O	|	|	|	|	0.00
48.250	0.00	0.00	0.001	O	|	|	|	|	0.00
48.333	0.00	0.00	0.001	O	|	|	|	|	0.00
48.417	0.00	0.00	0.001	O	|	|	|	|	0.00
48.500	0.00	0.00	0.001	O	|	|	|	|	0.00
48.583	0.00	0.00	0.001	O	|	|	|	|	0.00
48.667	0.00	0.00	0.001	O	|	|	|	|	0.00
48.750	0.00	0.00	0.001	O	|	|	|	|	0.00
48.833	0.00	0.00	0.001	O	|	|	|	|	0.00
48.917	0.00	0.00	0.001	O	|	|	|	|	0.00
49.000	0.00	0.00	0.001	O	|	|	|	|	0.00
49.083	0.00	0.00	0.001	O	|	|	|	|	0.00
49.167	0.00	0.00	0.001	O	|	|	|	|	0.00
49.250	0.00	0.00	0.001	O	|	|	|	|	0.00
49.333	0.00	0.00	0.001	O	|	|	|	|	0.00
49.417	0.00	0.00	0.001	O	|	|	|	|	0.00
49.500	0.00	0.00	0.001	O	|	|	|	|	0.00
49.583	0.00	0.00	0.001	O	|	|	|	|	0.00
49.667	0.00	0.00	0.001	O	|	|	|	|	0.00
49.750	0.00	0.00	0.001	O	|	|	|	|	0.00
49.833	0.00	0.00	0.001	O	|	|	|	|	0.00
49.917	0.00	0.00	0.001	O	|	|	|	|	0.00
50.000	0.00	0.00	0.001	O	|	|	|	|	0.00
50.083	0.00	0.00	0.001	O	|	|	|	|	0.00
50.167	0.00	0.00	0.001	O	|	|	|	|	0.00
50.250	0.00	0.00	0.000	O	|	|	|	|	0.00
50.333	0.00	0.00	0.000	O	|	|	|	|	0.00
50.417	0.00	0.00	0.000	O	|	|	|	|	0.00
50.500	0.00	0.00	0.000	O	|	|	|	|	0.00
50.583	0.00	0.00	0.000	O	|	|	|	|	0.00
50.667	0.00	0.00	0.000	O	|	|	|	|	0.00
50.750	0.00	0.00	0.000	O	|	|	|	|	0.00
50.833	0.00	0.00	0.000	O	|	|	|	|	0.00
50.917	0.00	0.00	0.000	O	|	|	|	|	0.00
51.000	0.00	0.00	0.000	O	|	|	|	|	0.00
51.083	0.00	0.00	0.000	O	|	|	|	|	0.00
51.167	0.00	0.00	0.000	O	|	|	|	|	0.00
51.250	0.00	0.00	0.000	O	|	|	|	|	0.00
51.333	0.00	0.00	0.000	O	|	|	|	|	0.00
51.417	0.00	0.00	0.000	O	|	|	|	|	0.00
51.500	0.00	0.00	0.000	O	|	|	|	|	0.00

```
51.583    0.00    0.00      0.000  O       |       |       |       |     0.00
51.667    0.00    0.00      0.000  O       |       |       |       |     0.00
51.750    0.00    0.00      0.000  O       |       |       |       |     0.00

     ****************************HYDROGRAPH DATA****************************
                 Number of intervals =   621
                 Time interval =    5.0 (Min.)
                 Maximum/Peak flow rate =        2.090 (CFS)
                 Total volume =       2.243 (Ac.Ft)
           Status of hydrographs being held in storage
                      Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
           Peak (CFS)      0.000     0.000     0.000     0.000     0.000
           Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
     ***********************************************************************

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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/08/21 File: RVEXB242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN B- EXISTING UNIT HYDROGRAPH
2YR-24HR STROM

Drainage Area = 134.00(Ac.) = 0.209 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 134.00(Ac.) = 0.209 Sq. Mi.
Length along longest watercourse = 3940.00(Ft.)
Length along longest watercourse measured to centroid = 2045.00(Ft.)
Length along longest watercourse = 0.746 Mi.
Length along longest watercourse measured to centroid = 0.387 Mi.
Difference in elevation = 445.00(Ft.)
Slope along watercourse = 596.3452 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.178 Hr.
Lag time = 10.67 Min.
25% of lag time = 2.67 Min.
40% of lag time = 4.27 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	2.70	361.80

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
134.00	7.00	938.00

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.97 %
Adjusted average point rain = 2.699(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
134.000	80.30	0.000

Total Area Entered = 134.00(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
80.3  63.4      0.433     0.000        0.433       1.000      0.433
                                                   Sum (F) =   0.433
Area averaged mean soil loss (F) (In/Hr) =  0.433
Minimum soil loss rate ((In/Hr)) =  0.217
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
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U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	46.853	5.544	7.487
2	0.167	93.707	23.479	31.708
3	0.250	140.560	28.872	38.991
4	0.333	187.414	14.202	19.179
5	0.417	234.267	7.138	9.639
6	0.500	281.121	4.904	6.622
7	0.583	327.974	3.588	4.846
8	0.667	374.828	2.752	3.716
9	0.750	421.681	2.084	2.815
10	0.833	468.535	1.573	2.124
11	0.917	515.388	1.403	1.894
12	1.000	562.242	1.109	1.498
13	1.083	609.095	0.891	1.203
14	1.167	655.949	0.715	0.966
15	1.250	702.802	0.540	0.729
16	1.333	749.656	0.469	0.633
17	1.417	796.509	0.469	0.633
18	1.500	843.363	0.269	0.364
		Sum = 100.000	Sum=	135.047

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.768)	0.019	0.002
2	0.17	0.07	0.022	(0.765)	0.019	0.002
3	0.25	0.07	0.022	(0.762)	0.019	0.002
4	0.33	0.10	0.032	(0.759)	0.029	0.003
5	0.42	0.10	0.032	(0.756)	0.029	0.003
6	0.50	0.10	0.032	(0.753)	0.029	0.003
7	0.58	0.10	0.032	(0.750)	0.029	0.003
8	0.67	0.10	0.032	(0.747)	0.029	0.003
9	0.75	0.10	0.032	(0.744)	0.029	0.003
10	0.83	0.13	0.043	(0.741)	0.039	0.004
11	0.92	0.13	0.043	(0.738)	0.039	0.004
12	1.00	0.13	0.043	(0.735)	0.039	0.004
13	1.08	0.10	0.032	(0.732)	0.029	0.003
14	1.17	0.10	0.032	(0.730)	0.029	0.003
15	1.25	0.10	0.032	(0.727)	0.029	0.003
16	1.33	0.10	0.032	(0.724)	0.029	0.003
17	1.42	0.10	0.032	(0.721)	0.029	0.003
18	1.50	0.10	0.032	(0.718)	0.029	0.003
19	1.58	0.10	0.032	(0.715)	0.029	0.003
20	1.67	0.10	0.032	(0.712)	0.029	0.003
21	1.75	0.10	0.032	(0.709)	0.029	0.003
22	1.83	0.13	0.043	(0.707)	0.039	0.004
23	1.92	0.13	0.043	(0.704)	0.039	0.004
24	2.00	0.13	0.043	(0.701)	0.039	0.004

25	2.08	0.13	0.043	(0.698)	0.039	0.004
26	2.17	0.13	0.043	(0.695)	0.039	0.004
27	2.25	0.13	0.043	(0.692)	0.039	0.004
28	2.33	0.13	0.043	(0.690)	0.039	0.004
29	2.42	0.13	0.043	(0.687)	0.039	0.004
30	2.50	0.13	0.043	(0.684)	0.039	0.004
31	2.58	0.17	0.054	(0.681)	0.049	0.005
32	2.67	0.17	0.054	(0.678)	0.049	0.005
33	2.75	0.17	0.054	(0.676)	0.049	0.005
34	2.83	0.17	0.054	(0.673)	0.049	0.005
35	2.92	0.17	0.054	(0.670)	0.049	0.005
36	3.00	0.17	0.054	(0.667)	0.049	0.005
37	3.08	0.17	0.054	(0.664)	0.049	0.005
38	3.17	0.17	0.054	(0.662)	0.049	0.005
39	3.25	0.17	0.054	(0.659)	0.049	0.005
40	3.33	0.17	0.054	(0.656)	0.049	0.005
41	3.42	0.17	0.054	(0.653)	0.049	0.005
42	3.50	0.17	0.054	(0.651)	0.049	0.005
43	3.58	0.17	0.054	(0.648)	0.049	0.005
44	3.67	0.17	0.054	(0.645)	0.049	0.005
45	3.75	0.17	0.054	(0.643)	0.049	0.005
46	3.83	0.20	0.065	(0.640)	0.058	0.006
47	3.92	0.20	0.065	(0.637)	0.058	0.006
48	4.00	0.20	0.065	(0.634)	0.058	0.006
49	4.08	0.20	0.065	(0.632)	0.058	0.006
50	4.17	0.20	0.065	(0.629)	0.058	0.006
51	4.25	0.20	0.065	(0.626)	0.058	0.006
52	4.33	0.23	0.076	(0.624)	0.068	0.008
53	4.42	0.23	0.076	(0.621)	0.068	0.008
54	4.50	0.23	0.076	(0.618)	0.068	0.008
55	4.58	0.23	0.076	(0.616)	0.068	0.008
56	4.67	0.23	0.076	(0.613)	0.068	0.008
57	4.75	0.23	0.076	(0.610)	0.068	0.008
58	4.83	0.27	0.086	(0.608)	0.078	0.009
59	4.92	0.27	0.086	(0.605)	0.078	0.009
60	5.00	0.27	0.086	(0.603)	0.078	0.009
61	5.08	0.20	0.065	(0.600)	0.058	0.006
62	5.17	0.20	0.065	(0.597)	0.058	0.006
63	5.25	0.20	0.065	(0.595)	0.058	0.006
64	5.33	0.23	0.076	(0.592)	0.068	0.008
65	5.42	0.23	0.076	(0.590)	0.068	0.008
66	5.50	0.23	0.076	(0.587)	0.068	0.008
67	5.58	0.27	0.086	(0.584)	0.078	0.009
68	5.67	0.27	0.086	(0.582)	0.078	0.009
69	5.75	0.27	0.086	(0.579)	0.078	0.009
70	5.83	0.27	0.086	(0.577)	0.078	0.009
71	5.92	0.27	0.086	(0.574)	0.078	0.009
72	6.00	0.27	0.086	(0.572)	0.078	0.009
73	6.08	0.30	0.097	(0.569)	0.087	0.010
74	6.17	0.30	0.097	(0.567)	0.087	0.010
75	6.25	0.30	0.097	(0.564)	0.087	0.010
76	6.33	0.30	0.097	(0.562)	0.087	0.010
77	6.42	0.30	0.097	(0.559)	0.087	0.010
78	6.50	0.30	0.097	(0.557)	0.087	0.010
79	6.58	0.33	0.108	(0.554)	0.097	0.011
80	6.67	0.33	0.108	(0.552)	0.097	0.011
81	6.75	0.33	0.108	(0.549)	0.097	0.011
82	6.83	0.33	0.108	(0.547)	0.097	0.011
83	6.92	0.33	0.108	(0.544)	0.097	0.011
84	7.00	0.33	0.108	(0.542)	0.097	0.011
85	7.08	0.33	0.108	(0.539)	0.097	0.011
86	7.17	0.33	0.108	(0.537)	0.097	0.011
87	7.25	0.33	0.108	(0.534)	0.097	0.011
88	7.33	0.37	0.119	(0.532)	0.107	0.012
89	7.42	0.37	0.119	(0.529)	0.107	0.012
90	7.50	0.37	0.119	(0.527)	0.107	0.012
91	7.58	0.40	0.130	(0.525)	0.117	0.013

92	7.67	0.40	0.130	(0.522)	0.117	0.013
93	7.75	0.40	0.130	(0.520)	0.117	0.013
94	7.83	0.43	0.140	(0.517)	0.126	0.014
95	7.92	0.43	0.140	(0.515)	0.126	0.014
96	8.00	0.43	0.140	(0.513)	0.126	0.014
97	8.08	0.50	0.162	(0.510)	0.146	0.016
98	8.17	0.50	0.162	(0.508)	0.146	0.016
99	8.25	0.50	0.162	(0.505)	0.146	0.016
100	8.33	0.50	0.162	(0.503)	0.146	0.016
101	8.42	0.50	0.162	(0.501)	0.146	0.016
102	8.50	0.50	0.162	(0.498)	0.146	0.016
103	8.58	0.53	0.173	(0.496)	0.155	0.017
104	8.67	0.53	0.173	(0.494)	0.155	0.017
105	8.75	0.53	0.173	(0.491)	0.155	0.017
106	8.83	0.57	0.184	(0.489)	0.165	0.018
107	8.92	0.57	0.184	(0.487)	0.165	0.018
108	9.00	0.57	0.184	(0.484)	0.165	0.018
109	9.08	0.63	0.205	(0.482)	0.185	0.021
110	9.17	0.63	0.205	(0.480)	0.185	0.021
111	9.25	0.63	0.205	(0.478)	0.185	0.021
112	9.33	0.67	0.216	(0.475)	0.194	0.022
113	9.42	0.67	0.216	(0.473)	0.194	0.022
114	9.50	0.67	0.216	(0.471)	0.194	0.022
115	9.58	0.70	0.227	(0.468)	0.204	0.023
116	9.67	0.70	0.227	(0.466)	0.204	0.023
117	9.75	0.70	0.227	(0.464)	0.204	0.023
118	9.83	0.73	0.238	(0.462)	0.214	0.024
119	9.92	0.73	0.238	(0.460)	0.214	0.024
120	10.00	0.73	0.238	(0.457)	0.214	0.024
121	10.08	0.50	0.162	(0.455)	0.146	0.016
122	10.17	0.50	0.162	(0.453)	0.146	0.016
123	10.25	0.50	0.162	(0.451)	0.146	0.016
124	10.33	0.50	0.162	(0.449)	0.146	0.016
125	10.42	0.50	0.162	(0.446)	0.146	0.016
126	10.50	0.50	0.162	(0.444)	0.146	0.016
127	10.58	0.67	0.216	(0.442)	0.194	0.022
128	10.67	0.67	0.216	(0.440)	0.194	0.022
129	10.75	0.67	0.216	(0.438)	0.194	0.022
130	10.83	0.67	0.216	(0.436)	0.194	0.022
131	10.92	0.67	0.216	(0.433)	0.194	0.022
132	11.00	0.67	0.216	(0.431)	0.194	0.022
133	11.08	0.63	0.205	(0.429)	0.185	0.021
134	11.17	0.63	0.205	(0.427)	0.185	0.021
135	11.25	0.63	0.205	(0.425)	0.185	0.021
136	11.33	0.63	0.205	(0.423)	0.185	0.021
137	11.42	0.63	0.205	(0.421)	0.185	0.021
138	11.50	0.63	0.205	(0.419)	0.185	0.021
139	11.58	0.57	0.184	(0.417)	0.165	0.018
140	11.67	0.57	0.184	(0.414)	0.165	0.018
141	11.75	0.57	0.184	(0.412)	0.165	0.018
142	11.83	0.60	0.194	(0.410)	0.175	0.019
143	11.92	0.60	0.194	(0.408)	0.175	0.019
144	12.00	0.60	0.194	(0.406)	0.175	0.019
145	12.08	0.83	0.270	(0.404)	0.243	0.027
146	12.17	0.83	0.270	(0.402)	0.243	0.027
147	12.25	0.83	0.270	(0.400)	0.243	0.027
148	12.33	0.87	0.281	(0.398)	0.253	0.028
149	12.42	0.87	0.281	(0.396)	0.253	0.028
150	12.50	0.87	0.281	(0.394)	0.253	0.028
151	12.58	0.93	0.302	(0.392)	0.272	0.030
152	12.67	0.93	0.302	(0.390)	0.272	0.030
153	12.75	0.93	0.302	(0.388)	0.272	0.030
154	12.83	0.97	0.313	(0.386)	0.282	0.031
155	12.92	0.97	0.313	(0.384)	0.282	0.031
156	13.00	0.97	0.313	(0.382)	0.282	0.031
157	13.08	1.13	0.367	(0.380)	0.330	0.037
158	13.17	1.13	0.367	(0.379)	0.330	0.037

159	13.25	1.13	0.367	(0.377)	0.330	0.037
160	13.33	1.13	0.367	(0.375)	0.330	0.037
161	13.42	1.13	0.367	(0.373)	0.330	0.037
162	13.50	1.13	0.367	(0.371)	0.330	0.037
163	13.58	0.77	0.248	(0.369)	0.224	0.025
164	13.67	0.77	0.248	(0.367)	0.224	0.025
165	13.75	0.77	0.248	(0.365)	0.224	0.025
166	13.83	0.77	0.248	(0.363)	0.224	0.025
167	13.92	0.77	0.248	(0.362)	0.224	0.025
168	14.00	0.77	0.248	(0.360)	0.224	0.025
169	14.08	0.90	0.292	(0.358)	0.262	0.029
170	14.17	0.90	0.292	(0.356)	0.262	0.029
171	14.25	0.90	0.292	(0.354)	0.262	0.029
172	14.33	0.87	0.281	(0.352)	0.253	0.028
173	14.42	0.87	0.281	(0.351)	0.253	0.028
174	14.50	0.87	0.281	(0.349)	0.253	0.028
175	14.58	0.87	0.281	(0.347)	0.253	0.028
176	14.67	0.87	0.281	(0.345)	0.253	0.028
177	14.75	0.87	0.281	(0.343)	0.253	0.028
178	14.83	0.83	0.270	(0.342)	0.243	0.027
179	14.92	0.83	0.270	(0.340)	0.243	0.027
180	15.00	0.83	0.270	(0.338)	0.243	0.027
181	15.08	0.80	0.259	(0.337)	0.233	0.026
182	15.17	0.80	0.259	(0.335)	0.233	0.026
183	15.25	0.80	0.259	(0.333)	0.233	0.026
184	15.33	0.77	0.248	(0.331)	0.224	0.025
185	15.42	0.77	0.248	(0.330)	0.224	0.025
186	15.50	0.77	0.248	(0.328)	0.224	0.025
187	15.58	0.63	0.205	(0.326)	0.185	0.021
188	15.67	0.63	0.205	(0.325)	0.185	0.021
189	15.75	0.63	0.205	(0.323)	0.185	0.021
190	15.83	0.63	0.205	(0.321)	0.185	0.021
191	15.92	0.63	0.205	(0.320)	0.185	0.021
192	16.00	0.63	0.205	(0.318)	0.185	0.021
193	16.08	0.13	0.043	(0.316)	0.039	0.004
194	16.17	0.13	0.043	(0.315)	0.039	0.004
195	16.25	0.13	0.043	(0.313)	0.039	0.004
196	16.33	0.13	0.043	(0.312)	0.039	0.004
197	16.42	0.13	0.043	(0.310)	0.039	0.004
198	16.50	0.13	0.043	(0.308)	0.039	0.004
199	16.58	0.10	0.032	(0.307)	0.029	0.003
200	16.67	0.10	0.032	(0.305)	0.029	0.003
201	16.75	0.10	0.032	(0.304)	0.029	0.003
202	16.83	0.10	0.032	(0.302)	0.029	0.003
203	16.92	0.10	0.032	(0.301)	0.029	0.003
204	17.00	0.10	0.032	(0.299)	0.029	0.003
205	17.08	0.17	0.054	(0.298)	0.049	0.005
206	17.17	0.17	0.054	(0.296)	0.049	0.005
207	17.25	0.17	0.054	(0.295)	0.049	0.005
208	17.33	0.17	0.054	(0.293)	0.049	0.005
209	17.42	0.17	0.054	(0.292)	0.049	0.005
210	17.50	0.17	0.054	(0.290)	0.049	0.005
211	17.58	0.17	0.054	(0.289)	0.049	0.005
212	17.67	0.17	0.054	(0.287)	0.049	0.005
213	17.75	0.17	0.054	(0.286)	0.049	0.005
214	17.83	0.13	0.043	(0.284)	0.039	0.004
215	17.92	0.13	0.043	(0.283)	0.039	0.004
216	18.00	0.13	0.043	(0.282)	0.039	0.004
217	18.08	0.13	0.043	(0.280)	0.039	0.004
218	18.17	0.13	0.043	(0.279)	0.039	0.004
219	18.25	0.13	0.043	(0.278)	0.039	0.004
220	18.33	0.13	0.043	(0.276)	0.039	0.004
221	18.42	0.13	0.043	(0.275)	0.039	0.004
222	18.50	0.13	0.043	(0.274)	0.039	0.004
223	18.58	0.10	0.032	(0.272)	0.029	0.003
224	18.67	0.10	0.032	(0.271)	0.029	0.003
225	18.75	0.10	0.032	(0.270)	0.029	0.003

226	18.83	0.07	0.022	(0.268)	0.019	0.002
227	18.92	0.07	0.022	(0.267)	0.019	0.002
228	19.00	0.07	0.022	(0.266)	0.019	0.002
229	19.08	0.10	0.032	(0.264)	0.029	0.003
230	19.17	0.10	0.032	(0.263)	0.029	0.003
231	19.25	0.10	0.032	(0.262)	0.029	0.003
232	19.33	0.13	0.043	(0.261)	0.039	0.004
233	19.42	0.13	0.043	(0.260)	0.039	0.004
234	19.50	0.13	0.043	(0.258)	0.039	0.004
235	19.58	0.10	0.032	(0.257)	0.029	0.003
236	19.67	0.10	0.032	(0.256)	0.029	0.003
237	19.75	0.10	0.032	(0.255)	0.029	0.003
238	19.83	0.07	0.022	(0.254)	0.019	0.002
239	19.92	0.07	0.022	(0.253)	0.019	0.002
240	20.00	0.07	0.022	(0.251)	0.019	0.002
241	20.08	0.10	0.032	(0.250)	0.029	0.003
242	20.17	0.10	0.032	(0.249)	0.029	0.003
243	20.25	0.10	0.032	(0.248)	0.029	0.003
244	20.33	0.10	0.032	(0.247)	0.029	0.003
245	20.42	0.10	0.032	(0.246)	0.029	0.003
246	20.50	0.10	0.032	(0.245)	0.029	0.003
247	20.58	0.10	0.032	(0.244)	0.029	0.003
248	20.67	0.10	0.032	(0.243)	0.029	0.003
249	20.75	0.10	0.032	(0.242)	0.029	0.003
250	20.83	0.07	0.022	(0.241)	0.019	0.002
251	20.92	0.07	0.022	(0.240)	0.019	0.002
252	21.00	0.07	0.022	(0.239)	0.019	0.002
253	21.08	0.10	0.032	(0.238)	0.029	0.003
254	21.17	0.10	0.032	(0.237)	0.029	0.003
255	21.25	0.10	0.032	(0.236)	0.029	0.003
256	21.33	0.07	0.022	(0.235)	0.019	0.002
257	21.42	0.07	0.022	(0.234)	0.019	0.002
258	21.50	0.07	0.022	(0.234)	0.019	0.002
259	21.58	0.10	0.032	(0.233)	0.029	0.003
260	21.67	0.10	0.032	(0.232)	0.029	0.003
261	21.75	0.10	0.032	(0.231)	0.029	0.003
262	21.83	0.07	0.022	(0.230)	0.019	0.002
263	21.92	0.07	0.022	(0.229)	0.019	0.002
264	22.00	0.07	0.022	(0.229)	0.019	0.002
265	22.08	0.10	0.032	(0.228)	0.029	0.003
266	22.17	0.10	0.032	(0.227)	0.029	0.003
267	22.25	0.10	0.032	(0.226)	0.029	0.003
268	22.33	0.07	0.022	(0.226)	0.019	0.002
269	22.42	0.07	0.022	(0.225)	0.019	0.002
270	22.50	0.07	0.022	(0.224)	0.019	0.002
271	22.58	0.07	0.022	(0.224)	0.019	0.002
272	22.67	0.07	0.022	(0.223)	0.019	0.002
273	22.75	0.07	0.022	(0.222)	0.019	0.002
274	22.83	0.07	0.022	(0.222)	0.019	0.002
275	22.92	0.07	0.022	(0.221)	0.019	0.002
276	23.00	0.07	0.022	(0.221)	0.019	0.002
277	23.08	0.07	0.022	(0.220)	0.019	0.002
278	23.17	0.07	0.022	(0.220)	0.019	0.002
279	23.25	0.07	0.022	(0.219)	0.019	0.002
280	23.33	0.07	0.022	(0.219)	0.019	0.002
281	23.42	0.07	0.022	(0.218)	0.019	0.002
282	23.50	0.07	0.022	(0.218)	0.019	0.002
283	23.58	0.07	0.022	(0.218)	0.019	0.002
284	23.67	0.07	0.022	(0.217)	0.019	0.002
285	23.75	0.07	0.022	(0.217)	0.019	0.002
286	23.83	0.07	0.022	(0.217)	0.019	0.002
287	23.92	0.07	0.022	(0.217)	0.019	0.002
288	24.00	0.07	0.022	(0.217)	0.019	0.002
		(Loss Rate Not Used)				
	Sum =	100.0			Sum =	3.2

Flood volume = Effective rainfall 0.27(In)
times area 134.0(Ac.)/[(In)/(Ft.)] = 3.0(Ac.Ft)

```
    Total soil loss =      2.43(In)
    Total soil loss =    27.128(Ac.Ft)
    Total rainfall =      2.70(In)
    Flood volume =      131299.0 Cubic Feet
    Total soil loss =     1181691.2 Cubic Feet
    ------------------------------------------------------------------------
     Peak flow rate of this hydrograph =      4.822(CFS)
    ------------------------------------------------------------------------
    ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                        24 - H O U R    S T O R M
                   R u n o f f      H y d r o g r a p h
    ------------------------------------------------------------------------
                Hydrograph in   5   Minute intervals ((CFS))

    ------------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
-------------------------------------------------------------------------
  0+ 5       0.0001      0.02  Q         |         |         |         |
  0+10       0.0007      0.08  Q         |         |         |         |
  0+15       0.0019      0.17  Q         |         |         |         |
  0+20       0.0034      0.22  Q         |         |         |         |
  0+25       0.0052      0.27  VQ        |         |         |         |
  0+30       0.0075      0.33  VQ        |         |         |         |
  0+35       0.0100      0.36  VQ        |         |         |         |
  0+40       0.0126      0.38  VQ        |         |         |         |
  0+45       0.0153      0.39  VQ        |         |         |         |
  0+50       0.0182      0.41  VQ        |         |         |         |
  0+55       0.0213      0.45  VQ        |         |         |         |
  1+ 0       0.0247      0.50  V Q       |         |         |         |
  1+ 5       0.0283      0.52  V Q       |         |         |         |
  1+10       0.0317      0.50  VQ        |         |         |         |
  1+15       0.0350      0.47  VQ        |         |         |         |
  1+20       0.0381      0.45  VQ        |         |         |         |
  1+25       0.0412      0.45  VQ        |         |         |         |
  1+30       0.0443      0.45  VQ        |         |         |         |
  1+35       0.0474      0.45  VQ        |         |         |         |
  1+40       0.0504      0.44  VQ        |         |         |         |
  1+45       0.0535      0.44  VQ        |         |         |         |
  1+50       0.0566      0.45  VQ        |         |         |         |
  1+55       0.0599      0.48  VQ        |         |         |         |
  2+ 0       0.0635      0.53  V Q       |         |         |         |
  2+ 5       0.0673      0.55  V Q       |         |         |         |
  2+10       0.0711      0.56  V Q       |         |         |         |
  2+15       0.0750      0.56  V Q       |         |         |         |
  2+20       0.0789      0.57  |VQ       |         |         |         |
  2+25       0.0828      0.57  |VQ       |         |         |         |
  2+30       0.0868      0.57  |VQ       |         |         |         |
  2+35       0.0908      0.58  |VQ       |         |         |         |
  2+40       0.0950      0.62  |VQ       |         |         |         |
  2+45       0.0996      0.66  |VQ       |         |         |         |
  2+50       0.1043      0.69  |VQ       |         |         |         |
  2+55       0.1091      0.70  |VQ       |         |         |         |
  3+ 0       0.1140      0.70  |VQ       |         |         |         |
  3+ 5       0.1189      0.71  |VQ       |         |         |         |
  3+10       0.1238      0.72  |VQ       |         |         |         |
  3+15       0.1287      0.72  |VQ       |         |         |         |
  3+20       0.1337      0.72  |VQ       |         |         |         |
  3+25       0.1387      0.72  |VQ       |         |         |         |
  3+30       0.1437      0.72  |VQ       |         |         |         |
  3+35       0.1487      0.73  |VQ       |         |         |         |
  3+40       0.1537      0.73  | Q       |         |         |         |
  3+45       0.1587      0.73  | Q       |         |         |         |
  3+50       0.1638      0.74  | Q       |         |         |         |
  3+55       0.1691      0.77  | VQ      |         |         |         |
  4+ 0       0.1747      0.81  | VQ      |         |         |         |
  4+ 5       0.1804      0.83  | VQ      |         |         |         |
  4+10       0.1862      0.85  | VQ      |         |         |         |
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4+15	0.1921	0.85	VQ				
4+20	0.1981	0.87	VQ				
4+25	0.2043	0.90	VQ				
4+30	0.2108	0.95	VQ				
4+35	0.2175	0.97	VQ				
4+40	0.2243	0.98	VQ				
4+45	0.2311	0.99	Q				
4+50	0.2381	1.01	VQ				
4+55	0.2453	1.05	VQ				
5+ 0	0.2528	1.09	VQ				
5+ 5	0.2604	1.10	VQ				
5+10	0.2676	1.05	VQ				
5+15	0.2743	0.97	Q				
5+20	0.2808	0.94	Q				
5+25	0.2874	0.96	Q				
5+30	0.2943	0.99	Q				
5+35	0.3012	1.01	VQ				
5+40	0.3085	1.05	Q				
5+45	0.3161	1.10	Q				
5+50	0.3238	1.12	Q				
5+55	0.3316	1.13	Q				
6+ 0	0.3395	1.14	Q				
6+ 5	0.3474	1.15	Q				
6+10	0.3556	1.19	Q				
6+15	0.3642	1.24	Q				
6+20	0.3729	1.26	VQ				
6+25	0.3816	1.27	Q				
6+30	0.3905	1.28	Q				
6+35	0.3994	1.30	Q				
6+40	0.4086	1.34	Q				
6+45	0.4182	1.38	Q				
6+50	0.4279	1.41	Q				
6+55	0.4377	1.42	Q				
7+ 0	0.4475	1.43	Q				
7+ 5	0.4574	1.44	QV				
7+10	0.4674	1.44	QV				
7+15	0.4773	1.45	QV				
7+20	0.4874	1.46	QV				
7+25	0.4977	1.49	QV				
7+30	0.5082	1.54	Q				
7+35	0.5190	1.57	Q				
7+40	0.5302	1.61	QV				
7+45	0.5416	1.66	QV				
7+50	0.5533	1.70	QV				
7+55	0.5654	1.75	QV				
8+ 0	0.5778	1.80	Q				
8+ 5	0.5905	1.85	Q				
8+10	0.6038	1.93	QV				
8+15	0.6177	2.03	Q				
8+20	0.6320	2.08	Q				
8+25	0.6465	2.10	Q				
8+30	0.6612	2.12	Q				
8+35	0.6760	2.15	Q				
8+40	0.6911	2.19	QV				
8+45	0.7065	2.24	QV				
8+50	0.7222	2.28	Q				
8+55	0.7383	2.33	Q				
9+ 0	0.7547	2.38	QV				
9+ 5	0.7714	2.43	QV				
9+10	0.7887	2.52	Q				
9+15	0.8067	2.61	Q				
9+20	0.8251	2.67	Q				
9+25	0.8439	2.73	QV				
9+30	0.8632	2.79	Q				
9+35	0.8827	2.84	Q				
9+40	0.9026	2.89	Q				
9+45	0.9230	2.95	QV				

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 9+50       0.9436      2.99  |          |QV        |          |          |
 9+55       0.9645      3.05  |          | Q        |          |          |
10+ 0       0.9859      3.10  |          | QV       |          |          |
10+ 5       1.0071      3.08  |          | QV       |          |          |
10+10       1.0268      2.86  |          |Q V       |          |          |
10+15       1.0445      2.58  |          Q  V       |          |          |
10+20       1.0613      2.44  |         Q|   V      |          |          |
10+25       1.0777      2.38  |         Q|   V      |          |          |
10+30       1.0938      2.33  |         Q|   V      |          |          |
10+35       1.1099      2.34  |         Q|   V      |          |          |
10+40       1.1270      2.49  |         Q|   V      |          |          |
10+45       1.1455      2.68  |          Q    V     |          |          |
10+50       1.1646      2.77  |          |Q   V     |          |          |
10+55       1.1839      2.81  |          |Q   V     |          |          |
11+ 0       1.2034      2.83  |          |Q   V     |          |          |
11+ 5       1.2230      2.84  |          |Q    V    |          |          |
11+10       1.2425      2.82  |          |Q    V    |          |          |
11+15       1.2617      2.79  |          |Q    V    |          |          |
11+20       1.2808      2.78  |          |Q    V    |          |          |
11+25       1.2999      2.77  |          |Q     V   |          |          |
11+30       1.3190      2.77  |          |Q     V   |          |          |
11+35       1.3380      2.76  |          |Q     V   |          |          |
11+40       1.3565      2.69  |          Q       V  |          |          |
11+45       1.3744      2.60  |          Q       V  |          |          |
11+50       1.3921      2.57  |          Q       V  |          |          |
11+55       1.4100      2.59  |          Q       V  |          |          |
12+ 0       1.4280      2.62  |          Q       V  |          |          |
12+ 5       1.4464      2.68  |          Q        V|          |          |
12+10       1.4666      2.92  |          |Q       V|          |          |
12+15       1.4887      3.22  |          | Q      V|          |          |
12+20       1.5119      3.37  |          |  Q      V          |          |
12+25       1.5359      3.48  |          |  Q      V          |          |
12+30       1.5605      3.57  |          |   Q     V          |          |
12+35       1.5855      3.64  |          |   Q     |V         |          |
12+40       1.6114      3.75  |          |   Q     |V         |          |
12+45       1.6380      3.86  |          |    Q    |V         |          |
12+50       1.6650      3.93  |          |    Q    | V        |          |
12+55       1.6926      4.01  |          |     Q   | V        |          |
13+ 0       1.7207      4.08  |          |     Q   | V        |          |
13+ 5       1.7493      4.16  |          |     Q   |  V       |          |
13+10       1.7794      4.36  |          |      Q  |  V       |          |
13+15       1.8110      4.59  |          |       Q |   V      |          |
13+20       1.8434      4.71  |          |       Q |   V      |          |
13+25       1.8763      4.78  |          |        Q|   V      |          |
13+30       1.9095      4.82  |          |        Q|    V     |          |
13+35       1.9424      4.76  |          |        Q|    V     |          |
13+40       1.9727      4.41  |          |      Q  |     V    |          |
13+45       2.0001      3.97  |          |    Q    |     V    |          |
13+50       2.0259      3.75  |          |    Q    |     V    |          |
13+55       2.0511      3.65  |          |   Q     |      V   |          |
14+ 0       2.0758      3.58  |          |   Q     |      V   |          |
14+ 5       2.1003      3.57  |          |   Q     |      V   |          |
14+10       2.1256      3.66  |          |   Q     |       V  |          |
14+15       2.1518      3.80  |          |    Q    |       V  |          |
14+20       2.1783      3.86  |          |    Q    |       V  |          |
14+25       2.2048      3.85  |          |    Q    |        V|          |
14+30       2.2311      3.82  |          |    Q    |        V|          |
14+35       2.2573      3.80  |          |    Q    |        V|          |
14+40       2.2834      3.80  |          |    Q    |         V          |
14+45       2.3095      3.79  |          |    Q    |         V          |
14+50       2.3356      3.78  |          |    Q    |         V          |
14+55       2.3613      3.74  |          |   Q     |         |V         |
15+ 0       2.3868      3.70  |          |   Q     |         |V         |
15+ 5       2.4121      3.67  |          |   Q     |         | V        |
15+10       2.4371      3.63  |          |   Q     |         | V        |
15+15       2.4618      3.58  |          |   Q     |         | V        |
15+20       2.4863      3.55  |          |   Q     |         | V        |
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15+25       2.5104      3.50  |          |   Q      |          |  V       |
15+30       2.5342      3.45  |          |  Q       |          |  V       |
15+35       2.5575      3.39  |          |  Q       |          |  V       |
15+40       2.5798      3.24  |          | Q        |          |   V      |
15+45       2.6009      3.06  |          | Q        |          |   V      |
15+50       2.6213      2.96  |          |Q         |          |   V      |
15+55       2.6414      2.92  |          |Q         |          |    V     |
16+ 0       2.6612      2.88  |          |Q         |          |    V     |
16+ 5       2.6801      2.74  |          Q          |          |    V     |
16+10       2.6952      2.20  |        Q |          |          |    V     |
16+15       2.7059      1.55  |      Q   |          |          |    V     |
16+20       2.7144      1.23  |    Q     |          |          |     V    |
16+25       2.7218      1.07  |    Q     |          |          |     V    |
16+30       2.7283      0.95  |   Q      |          |          |     V    |
16+35       2.7343      0.86  |   Q      |          |          |     V    |
16+40       2.7395      0.76  |   Q      |          |          |     V    |
16+45       2.7441      0.67  |  Q       |          |          |     V    |
16+50       2.7483      0.61  |  Q       |          |          |     V    |
16+55       2.7522      0.57  |  Q       |          |          |     V    |
17+ 0       2.7559      0.53  |  Q       |          |          |     V    |
17+ 5       2.7595      0.53  |  Q       |          |          |     V    |
17+10       2.7635      0.57  |  Q       |          |          |     V    |
17+15       2.7679      0.64  |  Q       |          |          |     V    |
17+20       2.7725      0.67  |  Q       |          |          |     V    |
17+25       2.7772      0.68  |  Q       |          |          |     V    |
17+30       2.7820      0.69  |  Q       |          |          |     V    |
17+35       2.7868      0.70  |  Q       |          |          |     V    |
17+40       2.7916      0.70  |  Q       |          |          |      V   |
17+45       2.7965      0.71  |  Q       |          |          |      V   |
17+50       2.8014      0.71  |  Q       |          |          |      V   |
17+55       2.8060      0.67  |  Q       |          |          |      V   |
18+ 0       2.8104      0.64  |  Q       |          |          |      V   |
18+ 5       2.8146      0.62  |  Q       |          |          |      V   |
18+10       2.8188      0.61  |  Q       |          |          |      V   |
18+15       2.8230      0.60  |  Q       |          |          |      V   |
18+20       2.8271      0.60  |  Q       |          |          |      V   |
18+25       2.8312      0.60  |  Q       |          |          |      V   |
18+30       2.8353      0.59  |  Q       |          |          |      V   |
18+35       2.8393      0.58  |  Q       |          |          |      V   |
18+40       2.8431      0.55  |  Q       |          |          |      V   |
18+45       2.8466      0.50  |  Q       |          |          |      V   |
18+50       2.8498      0.47  |Q         |          |          |      V   |
18+55       2.8528      0.43  |Q         |          |          |      V   |
19+ 0       2.8554      0.38  |Q         |          |          |      V   |
19+ 5       2.8579      0.36  |Q         |          |          |      V   |
19+10       2.8605      0.38  |Q         |          |          |      V   |
19+15       2.8633      0.41  |Q         |          |          |      V   |
19+20       2.8663      0.43  |Q         |          |          |       V  |
19+25       2.8695      0.47  |Q         |          |          |       V  |
19+30       2.8731      0.51  | Q        |          |          |       V  |
19+35       2.8767      0.53  | Q        |          |          |       V  |
19+40       2.8802      0.51  | Q        |          |          |       V  |
19+45       2.8834      0.47  |Q         |          |          |       V  |
19+50       2.8865      0.45  |Q         |          |          |       V  |
19+55       2.8893      0.41  |Q         |          |          |       V  |
20+ 0       2.8918      0.36  |Q         |          |          |       V  |
20+ 5       2.8942      0.35  |Q         |          |          |       V  |
20+10       2.8968      0.37  |Q         |          |          |       V  |
20+15       2.8995      0.40  |Q         |          |          |       V  |
20+20       2.9024      0.42  |Q         |          |          |       V  |
20+25       2.9054      0.42  |Q         |          |          |       V  |
20+30       2.9083      0.43  |Q         |          |          |       V  |
20+35       2.9113      0.43  |Q         |          |          |       V  |
20+40       2.9143      0.43  |Q         |          |          |       V  |
20+45       2.9172      0.43  |Q         |          |          |       V  |
20+50       2.9202      0.43  |Q         |          |          |       V  |
20+55       2.9229      0.39  |Q         |          |          |       V  |
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  21+ 0       2.9253      0.35  |Q        |          |          |       V |
  21+ 5       2.9276      0.34  |Q        |          |          |       V |
  21+10       2.9301      0.36  |Q        |          |          |       V |
  21+15       2.9328      0.40  |Q        |          |          |       V |
  21+20       2.9356      0.41  |Q        |          |          |       V |
  21+25       2.9382      0.38  |Q        |          |          |       V |
  21+30       2.9406      0.34  |Q        |          |          |        V|
  21+35       2.9429      0.33  |Q        |          |          |        V|
  21+40       2.9453      0.36  |Q        |          |          |        V|
  21+45       2.9480      0.39  |Q        |          |          |        V|
  21+50       2.9508      0.40  |Q        |          |          |        V|
  21+55       2.9534      0.37  |Q        |          |          |        V|
  22+ 0       2.9557      0.34  |Q        |          |          |        V|
  22+ 5       2.9580      0.33  |Q        |          |          |        V|
  22+10       2.9604      0.35  |Q        |          |          |        V|
  22+15       2.9631      0.39  |Q        |          |          |        V|
  22+20       2.9659      0.40  |Q        |          |          |        V|
  22+25       2.9685      0.37  |Q        |          |          |        V|
  22+30       2.9708      0.34  |Q        |          |          |        V|
  22+35       2.9730      0.32  |Q        |          |          |        V|
  22+40       2.9751      0.31  |Q        |          |          |        V|
  22+45       2.9773      0.31  |Q        |          |          |        V|
  22+50       2.9794      0.30  |Q        |          |          |        V|
  22+55       2.9814      0.30  |Q        |          |          |        V|
  23+ 0       2.9835      0.30  |Q        |          |          |        V|
  23+ 5       2.9855      0.30  |Q        |          |          |        V|
  23+10       2.9876      0.30  |Q        |          |          |        V|
  23+15       2.9896      0.29  |Q        |          |          |        V|
  23+20       2.9916      0.29  |Q        |          |          |        V|
  23+25       2.9937      0.29  |Q        |          |          |        V|
  23+30       2.9957      0.29  |Q        |          |          |        V|
  23+35       2.9977      0.29  |Q        |          |          |        V|
  23+40       2.9997      0.29  |Q        |          |          |        V|
  23+45       3.0017      0.29  |Q        |          |          |        V|
  23+50       3.0037      0.29  |Q        |          |          |        V|
  23+55       3.0057      0.29  |Q        |          |          |        V|
  24+ 0       3.0078      0.29  |Q        |          |          |        V|
  24+ 5       3.0097      0.28  |Q        |          |          |        V|
  24+10       3.0111      0.21  Q         |          |          |        V|
  24+15       3.0119      0.12  Q         |          |          |        V|
  24+20       3.0125      0.08  Q         |          |          |        V|
  24+25       3.0129      0.06  Q         |          |          |        V|
  24+30       3.0132      0.05  Q         |          |          |        V|
  24+35       3.0135      0.04  Q         |          |          |        V|
  24+40       3.0137      0.03  Q         |          |          |        V|
  24+45       3.0138      0.02  Q         |          |          |        V|
  24+50       3.0139      0.02  Q         |          |          |        V|
  24+55       3.0140      0.01  Q         |          |          |        V|
  25+ 0       3.0141      0.01  Q         |          |          |        V|
  25+ 5       3.0141      0.01  Q         |          |          |        V|
  25+10       3.0142      0.01  Q         |          |          |        V|
  25+15       3.0142      0.00  Q         |          |          |        V|
  25+20       3.0142      0.00  Q         |          |          |        V|
  25+25       3.0142      0.00  Q         |          |          |         V
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FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 01/08/22

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRB242.rte

**********HYDROGRAPH DATA**********

Number of intervals = 299
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 23.531 (CFS)
Total volume = 14.468 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN B- ROUTING
2YR-24HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 299
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	2.050	2.320	2.042	2.058
2.000	4.240	3.490	4.228	4.252
3.000	6.570	4.360	6.555	6.585
4.000	9.040	5.080	9.023	9.057
5.000	11.650	5.710	11.630	11.670
6.000	14.410	127.850	13.970	14.850
7.000	17.320	320.000	16.218	18.422
8.000	20.370	563.910	18.428	22.312
9.000	23.580	930.190	20.377	26.783
10.000	26.950	1399.580	22.131	31.769
11.000	30.500	1945.140	23.802	37.198

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth .0 5.9 11.77 17.65 23.53 (Ft.)

0.083	0.16	0.00	0.001	O	|	|	|	0.00
0.167	0.73	0.00	0.004	O	|	|	|	0.00
0.250	1.05	0.01	0.010	OI	|	|	|	0.00
0.333	1.25	0.02	0.017	OI	|	|	|	0.01
0.417	1.61	0.03	0.027	O I	|	|	|	0.01
0.500	1.82	0.04	0.039	O I	|	|	|	0.02
0.583	1.91	0.06	0.051	O I	|	|	|	0.02
0.667	1.98	0.07	0.064	O I	|	|	|	0.03
0.750	2.02	0.09	0.077	O I	|	|	|	0.04
0.833	2.13	0.10	0.091	O I	|	|	|	0.04
0.917	2.44	0.12	0.106	O I	|	|	|	0.05
1.000	2.61	0.14	0.122	O I	|	|	|	0.06
1.083	2.60	0.16	0.139	O I	|	|	|	0.07
1.167	2.35	0.18	0.155	O I	|	|	|	0.08
1.250	2.22	0.19	0.170	O I	|	|	|	0.08
1.333	2.18	0.21	0.184	O I	|	|	|	0.09
1.417	2.15	0.22	0.197	O I	|	|	|	0.10
1.500	2.14	0.24	0.210	O I	|	|	|	0.10
1.583	2.13	0.25	0.223	O I	|	|	|	0.11
1.667	2.12	0.27	0.236	O I	|	|	|	0.12
1.750	2.11	0.28	0.249	O I	|	|	|	0.12
1.833	2.19	0.30	0.262	O I	|	|	|	0.13
1.917	2.47	0.31	0.276	O I	|	|	|	0.13
2.000	2.62	0.33	0.291	O I	|	|	|	0.14
2.083	2.69	0.35	0.307	O I	|	|	|	0.15
2.167	2.72	0.37	0.323	O I	|	|	|	0.16
2.250	2.75	0.38	0.339	O I	|	|	|	0.17
2.333	2.77	0.40	0.356	O I	|	|	|	0.17
2.417	2.78	0.42	0.372	O I	|	|	|	0.18
2.500	2.79	0.44	0.388	O I	|	|	|	0.19
2.583	2.87	0.46	0.404	O I	|	|	|	0.20
2.667	3.16	0.48	0.422	O I	|	|	|	0.21
2.750	3.32	0.50	0.441	O I	|	|	|	0.22
2.833	3.39	0.52	0.461	O I	|	|	|	0.22
2.917	3.42	0.54	0.480	O I	|	|	|	0.23
3.000	3.45	0.57	0.500	O I	|	|	|	0.24
3.083	3.47	0.59	0.520	O I	|	|	|	0.25
3.167	3.48	0.61	0.540	O I	|	|	|	0.26
3.250	3.49	0.63	0.559	O I	|	|	|	0.27
3.333	3.49	0.66	0.579	O I	|	|	|	0.28
3.417	3.50	0.68	0.599	O I	|	|	|	0.29
3.500	3.50	0.70	0.618	O I	|	|	|	0.30
3.583	3.50	0.72	0.637	O I	|	|	|	0.31
3.667	3.50	0.74	0.656	|O I	|	|	|	0.32
3.750	3.50	0.76	0.675	|O I	|	|	|	0.33
3.833	3.58	0.79	0.694	|O I	|	|	|	0.34
3.917	3.87	0.81	0.714	|O I	|	|	|	0.35
4.000	4.02	0.83	0.736	|O I	|	|	|	0.36
4.083	4.09	0.86	0.758	|O I	|	|	|	0.37
4.167	4.12	0.88	0.780	|O I	|	|	|	0.38
4.250	4.15	0.91	0.803	|O I	|	|	|	0.39
4.333	4.24	0.93	0.825	|O I	|	|	|	0.40
4.417	4.54	0.96	0.849	|O I	|	|	|	0.41
4.500	4.71	0.99	0.874	|O I	|	|	|	0.43
4.583	4.78	1.02	0.900	|O I	|	|	|	0.44
4.667	4.82	1.05	0.926	|O I	|	|	|	0.45
4.750	4.85	1.08	0.952	|O I	|	|	|	0.46
4.833	4.94	1.11	0.978	|O I	|	|	|	0.48
4.917	5.25	1.14	1.005	|O I|	|	|	|	0.49
5.000	5.41	1.17	1.034	|O I|	|	|	|	0.50
5.083	5.32	1.20	1.063	|O I|	|	|	|	0.52
5.167	4.79	1.23	1.089	|O I |	|	|	|	0.53
5.250	4.50	1.26	1.113	|O I |	|	|	|	0.54
5.333	4.47	1.28	1.135	|O I |	|	|	|	0.55
5.417	4.70	1.31	1.157	|O I |	|	|	|	0.56
5.500	4.82	1.34	1.181	|O I |	|	|	|	0.58
5.583	4.93	1.36	1.205	|O I |	|	|	|	0.59
5.667	5.23	1.39	1.231	|O I|	|	|	|	0.60

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 5.750    5.40    1.42      1.258  |O     I|       |       |       |     0.61
 5.833    5.47    1.45      1.285  |O     I|       |       |       |     0.63
 5.917    5.51    1.49      1.313  | O    I|       |       |       |     0.64
 6.000    5.54    1.52      1.341  | O    I|       |       |       |     0.65
 6.083    5.64    1.55      1.369  | O    I|       |       |       |     0.67
 6.167    5.94    1.58      1.398  | O     I       |       |       |     0.68
 6.250    6.11    1.62      1.428  | O     I       |       |       |     0.70
 6.333    6.18    1.65      1.459  | O     I       |       |       |     0.71
 6.417    6.22    1.69      1.490  | O     I       |       |       |     0.73
 6.500    6.25    1.72      1.522  | O     I       |       |       |     0.74
 6.583    6.34    1.76      1.553  | O     I       |       |       |     0.76
 6.667    6.65    1.79      1.586  | O     |I      |       |       |     0.77
 6.750    6.81    1.83      1.619  | O     |I      |       |       |     0.79
 6.833    6.88    1.87      1.654  | O     |I      |       |       |     0.81
 6.917    6.92    1.91      1.688  | O     |I      |       |       |     0.82
 7.000    6.95    1.95      1.723  | O     |I      |       |       |     0.84
 7.083    6.97    1.99      1.757  | O     |I      |       |       |     0.86
 7.167    6.98    2.03      1.791  | O     |I      |       |       |     0.87
 7.250    6.99    2.07      1.825  | O     |I      |       |       |     0.89
 7.333    7.07    2.10      1.859  | O     |I      |       |       |     0.91
 7.417    7.37    2.14      1.895  | O     | I     |       |       |     0.92
 7.500    7.53    2.19      1.931  | O     | I     |       |       |     0.94
 7.583    7.67    2.23      1.968  |  O    | I     |       |       |     0.96
 7.667    7.99    2.27      2.006  |  O    | I     |       |       |     0.98
 7.750    8.17    2.32      2.046  |  O    |  I    |       |       |     1.00
 7.833    8.33    2.34      2.087  |  O    |  I    |       |       |     1.02
 7.917    8.67    2.36      2.129  |  O    |  I    |       |       |     1.04
 8.000    8.86    2.39      2.173  |  O    |   I   |       |       |     1.06
 8.083    9.10    2.41      2.219  |  O    |   I   |       |       |     1.08
 8.167    9.73    2.44      2.267  |  O    |    I  |       |       |     1.10
 8.250   10.08    2.46      2.318  |  O    |    I  |       |       |     1.12
 8.333   10.23    2.49      2.371  |  O    |    I  |       |       |     1.15
 8.417   10.32    2.52      2.425  |  O    |     I |       |       |     1.17
 8.500   10.38    2.55      2.479  |  O    |     I |       |       |     1.20
 8.583   10.50    2.58      2.533  |  O    |     I |       |       |     1.22
 8.667   10.82    2.61      2.588  |  O    |     I |       |       |     1.25
 8.750   11.00    2.64      2.646  |  O    |     I |       |       |     1.27
 8.833   11.15    2.67      2.704  |  O    |      I|       |       |     1.30
 8.917   11.49    2.70      2.763  |  O    |      I|       |       |     1.33
 9.000   11.68    2.73      2.824  |  O    |      I|       |       |     1.35
 9.083   11.91    2.77      2.886  |  O    |       I       |       |     1.38
 9.167   12.54    2.80      2.951  |  O    |       |I      |       |     1.41
 9.250   12.88    2.84      3.019  |  O    |       |I      |       |     1.44
 9.333   13.11    2.88      3.089  |  O    |       |I      |       |     1.47
 9.417   13.49    2.91      3.161  |  O    |       | I     |       |     1.51
 9.500   13.71    2.95      3.234  |   O   |       | I     |       |     1.54
 9.583   13.89    2.99      3.309  |   O   |       | I     |       |     1.57
 9.667   14.25    3.03      3.385  |   O   |       |  I    |       |     1.61
 9.750   14.45    3.07      3.463  |   O   |       |  I    |       |     1.65
 9.833   14.62    3.12      3.542  |   O   |       |  I    |       |     1.68
 9.917   14.97    3.16      3.622  |   O   |       |   I   |       |     1.72
10.000   15.16    3.20      3.704  |   O   |       |   I   |       |     1.76
10.083   14.70    3.25      3.784  |   O   |       |  I    |       |     1.79
10.167   12.74    3.29      3.856  |   O   |       |I      |       |     1.82
10.250   11.67    3.32      3.918  |   O   |      I|       |       |     1.85
10.333   11.26    3.35      3.974  |   O   |      I|       |       |     1.88
10.417   11.02    3.38      4.027  |   O   |     I |       |       |     1.90
10.500   10.86    3.40      4.079  |   O   |     I |       |       |     1.93
10.583   11.14    3.43      4.131  |   O   |      I|       |       |     1.95
10.667   12.50    3.46      4.189  |   O   |       I       |       |     1.98
10.750   13.22    3.50      4.254  |   O   |       |I      |       |     2.01
10.833   13.49    3.52      4.321  |   O   |       | I     |       |     2.03
10.917   13.64    3.55      4.391  |   O   |       | I     |       |     2.06
11.000   13.74    3.57      4.460  |   O   |       | I     |       |     2.09
11.083   13.75    3.60      4.530  |   O   |       | I     |       |     2.12
11.167   13.52    3.62      4.599  |   O   |       | I     |       |     2.15
11.250   13.41    3.65      4.667  |   O   |       | I     |       |     2.18
11.333   13.38    3.67      4.734  |   O   |       | I     |       |     2.21
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11.417	13.37	3.70	4.801	| O |	| I |	|	2.24
11.500	13.36	3.72	4.867	| O |	| I |	|	2.27
11.583	13.18	3.75	4.933	| O |	|I |	|	2.30
11.667	12.59	3.77	4.996	| O |	|I |	|	2.32
11.750	12.27	3.79	5.055	| O |	I |	|	2.35
11.833	12.22	3.82	5.113	| O |	I |	|	2.37
11.917	12.43	3.84	5.172	| O |	I |	|	2.40
12.000	12.53	3.86	5.231	| O |	|I |	|	2.43
12.083	13.11	3.88	5.293	| O |	|I |	|	2.45
12.167	15.14	3.91	5.364	| O |	| I |	|	2.48
12.250	16.25	3.94	5.445	| O |	| I |	|	2.52
12.333	16.76	3.97	5.531	| O |	| I |	|	2.55
12.417	17.31	4.01	5.621	| O |	| I|	|	2.59
12.500	17.65	4.04	5.714	| O |	| I|	|	2.63
12.583	17.99	4.08	5.808	| O |	| I |	|	2.67
12.667	18.70	4.11	5.906	| O |	| |I |	|	2.72
12.750	19.10	4.15	6.008	| O |	| |I |	|	2.76
12.833	19.36	4.19	6.112	| O |	| | I |	|	2.80
12.917	19.78	4.23	6.218	| O |	| | I |	|	2.85
13.000	20.01	4.27	6.325	| O |	| | I |	|	2.90
13.083	20.50	4.31	6.435	| O |	| | I |	|	2.94
13.167	22.01	4.35	6.552	| O |	| | I |	|	2.99
13.250	22.84	4.39	6.676	| O |	| | I|	|	3.04
13.333	23.18	4.43	6.804	| O |	| | I|	|	3.09
13.417	23.39	4.47	6.934	| O |	| | I|	|	3.15
13.500	23.53	4.50	7.065	| O |	| | I	|	3.20
13.583	22.76	4.54	7.193	| O |	| | I |	|	3.25
13.667	19.66	4.58	7.308	| O |	| | I |	|	3.30
13.750	17.98	4.60	7.406	| O |	| I |	|	3.34
13.833	17.33	4.63	7.496	| O |	| I|	|	3.37
13.917	16.94	4.65	7.582	| O |	| I|	|	3.41
14.000	16.69	4.68	7.665	| O |	| I |	|	3.44
14.083	16.81	4.70	7.748	| O |	| I |	|	3.48
14.167	17.83	4.73	7.835	| O |	| I |	|	3.51
14.250	18.36	4.76	7.927	| O |	| I |	|	3.55
14.333	18.46	4.78	8.021	| O |	| |I |	|	3.59
14.417	18.26	4.81	8.114	| O |	| I |	|	3.63
14.500	18.17	4.84	8.207	| O |	| I |	|	3.66
14.583	18.18	4.86	8.299	| O |	| I |	|	3.70
14.667	18.19	4.89	8.390	| O |	| I |	|	3.74
14.750	18.20	4.92	8.482	| O |	| I |	|	3.77
14.833	18.13	4.94	8.573	| O |	| I |	|	3.81
14.917	17.85	4.97	8.663	| O |	| I |	|	3.85
15.000	17.70	5.00	8.751	| O |	| I |	|	3.88
15.083	17.55	5.02	8.838	| O |	| I|	|	3.92
15.167	17.22	5.05	8.923	| O |	| I|	|	3.95
15.250	17.04	5.07	9.006	| O |	| I|	|	3.99
15.333	16.88	5.09	9.088	| O |	| I |	|	4.02
15.417	16.54	5.11	9.168	| O |	| I |	|	4.05
15.500	16.35	5.13	9.246	| O |	| I |	|	4.08
15.583	15.95	5.15	9.321	| O|	| I |	|	4.11
15.667	14.74	5.16	9.392	| O|	| I |	|	4.13
15.750	14.08	5.18	9.455	| O|	| I |	|	4.16
15.833	13.81	5.19	9.516	| O|	| I |	|	4.18
15.917	13.64	5.21	9.574	| O|	| I |	|	4.20
16.000	13.53	5.22	9.632	| O|	| I |	|	4.23
16.083	12.28	5.24	9.685	| O|	|I |	|	4.25
16.167	7.90	5.24	9.718	| O| I |	|	|	4.26
16.250	**5.51**	**5.25**	**9.728**	**| O|**	**| |**	**| |**	**4.26**
16.333	4.56	5.25	9.727	| IO|	| |	| |	4.26
16.417	3.97	5.24	9.720	| I O|	| |	| |	4.26
16.500	3.59	5.24	9.710	| I O|	| |	| |	4.26
16.583	3.26	5.24	9.697	| I O|	| |	| |	4.25
16.667	2.78	5.24	9.682	| I O|	| |	| |	4.25
16.750	2.49	5.23	9.664	| I O|	| |	| |	4.24
16.833	2.34	5.23	9.645	| I O|	| |	| |	4.23
16.917	2.22	5.22	9.625	| I O|	| |	| |	4.22
17.000	2.15	5.22	9.604	| I O|	| |	| |	4.22

17.083	2.29	5.21	9.583	I O				4.21
17.167	2.86	5.21	9.565	I O				4.20
17.250	3.16	5.20	9.550	I O				4.20
17.333	3.28	5.20	9.536	I O				4.19
17.417	3.35	5.20	9.523	I O				4.19
17.500	3.40	5.19	9.511	I O				4.18
17.583	3.43	5.19	9.498	I O				4.18
17.667	3.45	5.19	9.486	I O				4.17
17.750	3.47	5.18	9.475	I O				4.17
17.833	3.41	5.18	9.463	I O				4.16
17.917	3.13	5.18	9.449	I O				4.16
18.000	2.98	5.18	9.435	I O				4.15
18.083	2.92	5.17	9.419	I O				4.15
18.167	2.88	5.17	9.404	I O				4.14
18.250	2.85	5.16	9.388	I O				4.13
18.333	2.84	5.16	9.372	I O				4.13
18.417	2.82	5.16	9.356	I O				4.12
18.500	2.82	5.15	9.340	I O				4.11
18.583	2.73	5.15	9.324	I O				4.11
18.667	2.44	5.14	9.306	I O				4.10
18.750	2.28	5.14	9.287	I O				4.09
18.833	2.14	5.13	9.267	I O				4.09
18.917	1.81	5.13	9.245	I O				4.08
19.000	1.63	5.12	9.221	I O				4.07
19.083	1.63	5.12	9.197	I O				4.06
19.167	1.87	5.11	9.174	I O				4.05
19.250	1.99	5.11	9.152	I O				4.04
19.333	2.11	5.10	9.131	I O				4.03
19.417	2.42	5.10	9.112	I O				4.03
19.500	2.59	5.09	9.094	I O				4.02
19.583	2.58	5.09	9.076	I O				4.01
19.667	2.34	5.08	9.058	I O				4.01
19.750	2.21	5.08	9.039	I O				4.00
19.833	2.09	5.07	9.019	I O				3.99
19.917	1.79	5.07	8.997	I O				3.98
20.000	1.62	5.06	8.974	I O				3.97
20.083	1.62	5.05	8.950	I O				3.96
20.167	1.86	5.05	8.928	I O				3.95
20.250	1.99	5.04	8.906	I O				3.95
20.333	2.03	5.03	8.885	I O				3.94
20.417	2.05	5.03	8.865	I O				3.93
20.500	2.06	5.02	8.844	I O				3.92
20.583	2.07	5.02	8.824	I O				3.91
20.667	2.08	5.01	8.804	I O				3.90
20.750	2.09	5.01	8.784	I O				3.90
20.833	2.01	5.00	8.763	I O				3.89
20.917	1.73	4.99	8.742	I O				3.88
21.000	1.58	4.99	8.719	I O				3.87
21.083	1.59	4.98	8.695	I O				3.86
21.167	1.84	4.97	8.673	I O				3.85
21.250	1.98	4.97	8.652	I O				3.84
21.333	1.94	4.96	8.631	I O				3.83
21.417	1.68	4.95	8.610	I O				3.83
21.500	1.54	4.95	8.587	I O				3.82
21.583	1.57	4.94	8.563	I O				3.81
21.667	1.82	4.93	8.541	I O				3.80
21.750	1.96	4.93	8.520	I O				3.79
21.833	1.94	4.92	8.499	I O				3.78
21.917	1.68	4.92	8.478	I O				3.77
22.000	1.54	4.91	8.455	I O				3.76
22.083	1.57	4.90	8.432	I O				3.75
22.167	1.82	4.90	8.410	I O				3.74
22.250	1.96	4.89	8.389	I O				3.74
22.333	1.94	4.88	8.369	I O				3.73
22.417	1.68	4.88	8.348	I O				3.72
22.500	1.54	4.87	8.325	I O				3.71
22.583	1.49	4.86	8.302	I O				3.70
22.667	1.46	4.86	8.279	I O				3.69

22.750	1.44	4.85	8.256	|I	O |	|	|	|	3.68
22.833	1.43	4.84	8.232	|I	O |	|	|	|	3.67
22.917	1.42	4.84	8.209	|I	O |	|	|	|	3.66
23.000	1.41	4.83	8.185	|I	O |	|	|	|	3.65
23.083	1.41	4.82	8.161	|I	O |	|	|	|	3.64
23.167	1.40	4.82	8.138	|I	O |	|	|	|	3.63
23.250	1.40	4.81	8.114	|I	O |	|	|	|	3.63
23.333	1.40	4.80	8.091	|I	O |	|	|	|	3.62
23.417	1.40	4.80	8.068	|I	O |	|	|	|	3.61
23.500	1.40	4.79	8.044	|I	O |	|	|	|	3.60
23.583	1.40	4.78	8.021	|I	O |	|	|	|	3.59
23.667	1.40	4.78	7.998	|I	O |	|	|	|	3.58
23.750	1.40	4.77	7.974	|I	O |	|	|	|	3.57
23.833	1.40	4.76	7.951	|I	O |	|	|	|	3.56
23.917	1.40	4.76	7.928	|I	O |	|	|	|	3.55
24.000	1.40	4.75	7.905	|I	O |	|	|	|	3.54
24.083	1.24	4.74	7.881	|I	O |	|	|	|	3.53
24.167	0.67	4.73	7.855	I	O |	|	|	|	3.52
24.250	0.35	4.73	7.826	I	O |	|	|	|	3.51
24.333	0.23	4.72	7.796	I	O |	|	|	|	3.50
24.417	0.15	4.71	7.765	I	O |	|	|	|	3.48
24.500	0.11	4.70	7.733	I	O |	|	|	|	3.47
24.583	0.07	4.69	7.701	I	O |	|	|	|	3.46
24.667	0.05	4.68	7.670	I	O |	|	|	|	3.45
24.750	0.03	4.67	7.638	I	O |	|	|	|	3.43
24.833	0.02	4.66	7.606	I	O |	|	|	|	3.42
24.917	0.01	4.65	7.574	I	O |	|	|	|	3.41
25.000	0.00	4.64	7.542	I	O |	|	|	|	3.39
25.083	0.00	4.63	7.510	I	O |	|	|	|	3.38
25.167	0.00	4.62	7.478	I	O |	|	|	|	3.37
25.250	0.00	4.62	7.446	I	O |	|	|	|	3.35
25.333	0.00	4.61	7.414	I	O |	|	|	|	3.34
25.417	0.00	4.60	7.383	I	O |	|	|	|	3.33
25.500	0.00	4.59	7.351	I	O |	|	|	|	3.32
25.583	0.00	4.58	7.319	I	O |	|	|	|	3.30
25.667	0.00	4.57	7.288	I	O |	|	|	|	3.29
25.750	0.00	4.56	7.256	I	O |	|	|	|	3.28
25.833	0.00	4.55	7.225	I	O |	|	|	|	3.27
25.917	0.00	4.54	7.194	I	O |	|	|	|	3.25
26.000	0.00	4.53	7.163	I	O |	|	|	|	3.24
26.083	0.00	4.52	7.131	I	O |	|	|	|	3.23
26.167	0.00	4.51	7.100	I	O |	|	|	|	3.21
26.250	0.00	4.51	7.069	I	O |	|	|	|	3.20
26.333	0.00	4.50	7.038	I	O |	|	|	|	3.19
26.417	0.00	4.49	7.007	I	O |	|	|	|	3.18
26.500	0.00	4.48	6.976	I	O |	|	|	|	3.16
26.583	0.00	4.47	6.946	I	O |	|	|	|	3.15
26.667	0.00	4.46	6.915	I	O |	|	|	|	3.14
26.750	0.00	4.45	6.884	I	O |	|	|	|	3.13
26.833	0.00	4.44	6.853	I	O |	|	|	|	3.11
26.917	0.00	4.43	6.823	I	O |	|	|	|	3.10
27.000	0.00	4.42	6.792	I	O |	|	|	|	3.09
27.083	0.00	4.42	6.762	I	O |	|	|	|	3.08
27.167	0.00	4.41	6.732	I	O |	|	|	|	3.07
27.250	0.00	4.40	6.701	I	O |	|	|	|	3.05
27.333	0.00	4.39	6.671	I	O |	|	|	|	3.04
27.417	0.00	4.38	6.641	I	O |	|	|	|	3.03
27.500	0.00	4.37	6.611	I	O |	|	|	|	3.02
27.583	0.00	4.36	6.581	I	O |	|	|	|	3.00
27.667	0.00	4.35	6.551	I	O |	|	|	|	2.99
27.750	0.00	4.34	6.521	I	O |	|	|	|	2.98
27.833	0.00	4.33	6.491	I	O |	|	|	|	2.97
27.917	0.00	4.32	6.461	I	O |	|	|	|	2.95
28.000	0.00	4.31	6.431	I	O |	|	|	|	2.94
28.083	0.00	4.30	6.402	I	O |	|	|	|	2.93
28.167	0.00	4.29	6.372	I	O |	|	|	|	2.92
28.250	0.00	4.28	6.343	I	O |	|	|	|	2.90
28.333	0.00	4.26	6.313	I	O |	|	|	|	2.89

28.417	0.00	4.25	6.284	I	O	|	|	|	|	2.88
28.500	0.00	4.24	6.255	I	O	|	|	|	|	2.86
28.583	0.00	4.23	6.225	I	O	|	|	|	|	2.85
28.667	0.00	4.22	6.196	I	O	|	|	|	|	2.84
28.750	0.00	4.21	6.167	I	O	|	|	|	|	2.83
28.833	0.00	4.20	6.138	I	O	|	|	|	|	2.81
28.917	0.00	4.19	6.109	I	O	|	|	|	|	2.80
29.000	0.00	4.18	6.081	I	O	|	|	|	|	2.79
29.083	0.00	4.17	6.052	I	O	|	|	|	|	2.78
29.167	0.00	4.16	6.023	I	O	|	|	|	|	2.77
29.250	0.00	4.15	5.995	I	O	|	|	|	|	2.75
29.333	0.00	4.13	5.966	I	O	|	|	|	|	2.74
29.417	0.00	4.12	5.938	I	O	|	|	|	|	2.73
29.500	0.00	4.11	5.909	I	O	|	|	|	|	2.72
29.583	0.00	4.10	5.881	I	O	|	|	|	|	2.70
29.667	0.00	4.09	5.853	I	O	|	|	|	|	2.69
29.750	0.00	4.08	5.825	I	O	|	|	|	|	2.68
29.833	0.00	4.07	5.797	I	O	|	|	|	|	2.67
29.917	0.00	4.06	5.769	I	O	|	|	|	|	2.66
30.000	0.00	4.05	5.741	I	O	|	|	|	|	2.64
30.083	0.00	4.04	5.713	I	O	|	|	|	|	2.63
30.167	0.00	4.03	5.685	I	O	|	|	|	|	2.62
30.250	0.00	4.02	5.657	I	O	|	|	|	|	2.61
30.333	0.00	4.01	5.630	I	O	|	|	|	|	2.60
30.417	0.00	4.00	5.602	I	O	|	|	|	|	2.58
30.500	0.00	3.99	5.575	I	O	|	|	|	|	2.57
30.583	0.00	3.98	5.547	I	O	|	|	|	|	2.56
30.667	0.00	3.97	5.520	I	O	|	|	|	|	2.55
30.750	0.00	3.96	5.493	I	O	|	|	|	|	2.54
30.833	0.00	3.95	5.465	I	O	|	|	|	|	2.53
30.917	0.00	3.94	5.438	I	O	|	|	|	|	2.51
31.000	0.00	3.93	5.411	I	O	|	|	|	|	2.50
31.083	0.00	3.92	5.384	I	O	|	|	|	|	2.49
31.167	0.00	3.91	5.357	I	O	|	|	|	|	2.48
31.250	0.00	3.90	5.330	I	O	|	|	|	|	2.47
31.333	0.00	3.89	5.303	I	O	|	|	|	|	2.46
31.417	0.00	3.88	5.277	I	O	|	|	|	|	2.44
31.500	0.00	3.87	5.250	I	O	|	|	|	|	2.43
31.583	0.00	3.86	5.223	I	O	|	|	|	|	2.42
31.667	0.00	3.85	5.197	I	O	|	|	|	|	2.41
31.750	0.00	3.84	5.170	I	O	|	|	|	|	2.40
31.833	0.00	3.83	5.144	I	O	|	|	|	|	2.39
31.917	0.00	3.82	5.118	I	O	|	|	|	|	2.38
32.000	0.00	3.81	5.091	I	O	|	|	|	|	2.37
32.083	0.00	3.80	5.065	I	O	|	|	|	|	2.35
32.167	0.00	3.79	5.039	I	O	|	|	|	|	2.34
32.250	0.00	3.78	5.013	I	O	|	|	|	|	2.33
32.333	0.00	3.77	4.987	I	O	|	|	|	|	2.32
32.417	0.00	3.76	4.961	I	O	|	|	|	|	2.31
32.500	0.00	3.75	4.935	I	O	|	|	|	|	2.30
32.583	0.00	3.74	4.910	I	O	|	|	|	|	2.29
32.667	0.00	3.73	4.884	I	O	|	|	|	|	2.28
32.750	0.00	3.72	4.858	I	O	|	|	|	|	2.27
32.833	0.00	3.71	4.833	I	O	|	|	|	|	2.25
32.917	0.00	3.70	4.807	I	O	|	|	|	|	2.24
33.000	0.00	3.69	4.782	I	O	|	|	|	|	2.23
33.083	0.00	3.68	4.756	I	O	|	|	|	|	2.22
33.167	0.00	3.67	4.731	I	O	|	|	|	|	2.21
33.250	0.00	3.66	4.706	I	O	|	|	|	|	2.20
33.333	0.00	3.65	4.680	I	O	|	|	|	|	2.19
33.417	0.00	3.65	4.655	I	O	|	|	|	|	2.18
33.500	0.00	3.64	4.630	I	O	|	|	|	|	2.17
33.583	0.00	3.63	4.605	I	O	|	|	|	|	2.16
33.667	0.00	3.62	4.580	I	O	|	|	|	|	2.15
33.750	0.00	3.61	4.555	I	O	|	|	|	|	2.14
33.833	0.00	3.60	4.531	I	O	|	|	|	|	2.12
33.917	0.00	3.59	4.506	I	O	|	|	|	|	2.11
34.000	0.00	3.58	4.481	I	O	|	|	|	|	2.10

34.083	0.00	3.57	4.456	I	O	|	|	|	|	2.09
34.167	0.00	3.56	4.432	I	O	|	|	|	|	2.08
34.250	0.00	3.55	4.407	I	O	|	|	|	|	2.07
34.333	0.00	3.54	4.383	I	O	|	|	|	|	2.06
34.417	0.00	3.53	4.359	I	O	|	|	|	|	2.05
34.500	0.00	3.53	4.334	I	O	|	|	|	|	2.04
34.583	0.00	3.52	4.310	I	O	|	|	|	|	2.03
34.667	0.00	3.51	4.286	I	O	|	|	|	|	2.02
34.750	0.00	3.50	4.262	I	O	|	|	|	|	2.01
34.833	0.00	3.49	4.238	I	O	|	|	|	|	2.00
34.917	0.00	3.48	4.214	I	O	|	|	|	|	1.99
35.000	0.00	3.46	4.190	I	O	|	|	|	|	1.98
35.083	0.00	3.45	4.166	I	O	|	|	|	|	1.97
35.167	0.00	3.44	4.142	I	O	|	|	|	|	1.96
35.250	0.00	3.43	4.119	I	O	|	|	|	|	1.94
35.333	0.00	3.41	4.095	I	O	|	|	|	|	1.93
35.417	0.00	3.40	4.072	I	O	|	|	|	|	1.92
35.500	0.00	3.39	4.048	I	O	|	|	|	|	1.91
35.583	0.00	3.38	4.025	I	O	|	|	|	|	1.90
35.667	0.00	3.36	4.002	I	O	|	|	|	|	1.89
35.750	0.00	3.35	3.979	I	O	|	|	|	|	1.88
35.833	0.00	3.34	3.956	I	O	|	|	|	|	1.87
35.917	0.00	3.33	3.933	I	O	|	|	|	|	1.86
36.000	0.00	3.31	3.910	I	O	|	|	|	|	1.85
36.083	0.00	3.30	3.887	I	O	|	|	|	|	1.84
36.167	0.00	3.29	3.864	I	O	|	|	|	|	1.83
36.250	0.00	3.28	3.842	I	O	|	|	|	|	1.82
36.333	0.00	3.27	3.819	I	O	|	|	|	|	1.81
36.417	0.00	3.25	3.797	I	O	|	|	|	|	1.80
36.500	0.00	3.24	3.774	I	O	|	|	|	|	1.79
36.583	0.00	3.23	3.752	I	O	|	|	|	|	1.78
36.667	0.00	3.22	3.730	I	O	|	|	|	|	1.77
36.750	0.00	3.21	3.708	I	O	|	|	|	|	1.76
36.833	0.00	3.19	3.686	I	O	|	|	|	|	1.75
36.917	0.00	3.18	3.664	I	O	|	|	|	|	1.74
37.000	0.00	3.17	3.642	I	O	|	|	|	|	1.73
37.083	0.00	3.16	3.620	I	O	|	|	|	|	1.72
37.167	0.00	3.15	3.598	I	O	|	|	|	|	1.71
37.250	0.00	3.14	3.577	I	O	|	|	|	|	1.70
37.333	0.00	3.12	3.555	I	O	|	|	|	|	1.69
37.417	0.00	3.11	3.534	I	O	|	|	|	|	1.68
37.500	0.00	3.10	3.512	I	O	|	|	|	|	1.67
37.583	0.00	3.09	3.491	I	O	|	|	|	|	1.66
37.667	0.00	3.08	3.470	I	O	|	|	|	|	1.65
37.750	0.00	3.07	3.449	I	O	|	|	|	|	1.64
37.833	0.00	3.06	3.428	I	O	|	|	|	|	1.63
37.917	0.00	3.04	3.407	I	O	|	|	|	|	1.62
38.000	0.00	3.03	3.386	I	O	|	|	|	|	1.61
38.083	0.00	3.02	3.365	I	O	|	|	|	|	1.60
38.167	0.00	3.01	3.344	I	O	|	|	|	|	1.59
38.250	0.00	3.00	3.323	I	O	|	|	|	|	1.58
38.333	0.00	2.99	3.303	I	O	|	|	|	|	1.57
38.417	0.00	2.98	3.282	I	O	|	|	|	|	1.56
38.500	0.00	2.97	3.262	I	O	|	|	|	|	1.55
38.583	0.00	2.96	3.241	I	O	|	|	|	|	1.54
38.667	0.00	2.95	3.221	I	O	|	|	|	|	1.53
38.750	0.00	2.93	3.201	I	O	|	|	|	|	1.53
38.833	0.00	2.92	3.180	I	O	|	|	|	|	1.52
38.917	0.00	2.91	3.160	I	O	|	|	|	|	1.51
39.000	0.00	2.90	3.140	I	O	|	|	|	|	1.50
39.083	0.00	2.89	3.120	I	O	|	|	|	|	1.49
39.167	0.00	2.88	3.100	I	O	|	|	|	|	1.48
39.250	0.00	2.87	3.081	I	O	|	|	|	|	1.47
39.333	0.00	2.86	3.061	I	O	|	|	|	|	1.46
39.417	0.00	2.85	3.041	I	O	|	|	|	|	1.45
39.500	0.00	2.84	3.022	I	O	|	|	|	|	1.44
39.583	0.00	2.83	3.002	I	O	|	|	|	|	1.43
39.667	0.00	2.82	2.983	I	O	|	|	|	|	1.43

39.750	0.00	2.81	2.963	I	O	|	|	|	1.42
39.833	0.00	2.80	2.944	I	O	|	|	|	1.41
39.917	0.00	2.79	2.925	I	O	|	|	|	1.40
40.000	0.00	2.78	2.906	I	O	|	|	|	1.39
40.083	0.00	2.77	2.887	I	O	|	|	|	1.38
40.167	0.00	2.76	2.868	I	O	|	|	|	1.37
40.250	0.00	2.75	2.849	I	O	|	|	|	1.36
40.333	0.00	2.74	2.830	I	O	|	|	|	1.36
40.417	0.00	2.73	2.811	I	O	|	|	|	1.35
40.500	0.00	2.72	2.792	I	O	|	|	|	1.34
40.583	0.00	2.71	2.773	I	O	|	|	|	1.33
40.667	0.00	2.70	2.755	I	O	|	|	|	1.32
40.750	0.00	2.69	2.736	I	O	|	|	|	1.31
40.833	0.00	2.68	2.718	I	O	|	|	|	1.30
40.917	0.00	2.67	2.699	I	O	|	|	|	1.30
41.000	0.00	2.66	2.681	I	O	|	|	|	1.29
41.083	0.00	2.65	2.663	I	O	|	|	|	1.28
41.167	0.00	2.64	2.645	I	O	|	|	|	1.27
41.250	0.00	2.63	2.627	I	O	|	|	|	1.26
41.333	0.00	2.62	2.608	I	O	|	|	|	1.26
41.417	0.00	2.61	2.590	I	O	|	|	|	1.25
41.500	0.00	2.60	2.573	I	O	|	|	|	1.24
41.583	0.00	2.59	2.555	I	O	|	|	|	1.23
41.667	0.00	2.58	2.537	I	O	|	|	|	1.22
41.750	0.00	2.57	2.519	I	O	|	|	|	1.21
41.833	0.00	2.56	2.501	I	O	|	|	|	1.21
41.917	0.00	2.55	2.484	I	O	|	|	|	1.20
42.000	0.00	2.54	2.466	I	O	|	|	|	1.19
42.083	0.00	2.53	2.449	I	O	|	|	|	1.18
42.167	0.00	2.52	2.431	I	O	|	|	|	1.17
42.250	0.00	2.51	2.414	I	O	|	|	|	1.17
42.333	0.00	2.51	2.397	I	O	|	|	|	1.16
42.417	0.00	2.50	2.380	I	O	|	|	|	1.15
42.500	0.00	2.49	2.362	I	O	|	|	|	1.14
42.583	0.00	2.48	2.345	I	O	|	|	|	1.13
42.667	0.00	2.47	2.328	I	O	|	|	|	1.13
42.750	0.00	2.46	2.311	I	O	|	|	|	1.12
42.833	0.00	2.45	2.294	I	O	|	|	|	1.11
42.917	0.00	2.44	2.278	I	O	|	|	|	1.10
43.000	0.00	2.43	2.261	I	O	|	|	|	1.10
43.083	0.00	2.42	2.244	I	O	|	|	|	1.09
43.167	0.00	2.41	2.227	I	O	|	|	|	1.08
43.250	0.00	2.41	2.211	I	O	|	|	|	1.07
43.333	0.00	2.40	2.194	I	O	|	|	|	1.07
43.417	0.00	2.39	2.178	I	O	|	|	|	1.06
43.500	0.00	2.38	2.161	I	O	|	|	|	1.05
43.583	0.00	2.37	2.145	I	O	|	|	|	1.04
43.667	0.00	2.36	2.129	I	O	|	|	|	1.04
43.750	0.00	2.35	2.112	I	O	|	|	|	1.03
43.833	0.00	2.34	2.096	I	O	|	|	|	1.02
43.917	0.00	2.34	2.080	I	O	|	|	|	1.01
44.000	0.00	2.33	2.064	I	O	|	|	|	1.01
44.083	0.00	2.32	2.048	I	O	|	|	|	1.00
44.167	0.00	2.30	2.032	I	O	|	|	|	0.99
44.250	0.00	2.28	2.016	I	O	|	|	|	0.98
44.333	0.00	2.26	2.001	I	O	|	|	|	0.98
44.417	0.00	2.25	1.985	I	O	|	|	|	0.97
44.500	0.00	2.23	1.970	I	O	|	|	|	0.96
44.583	0.00	2.21	1.955	I	O	|	|	|	0.95
44.667	0.00	2.19	1.939	I	O	|	|	|	0.95
44.750	0.00	2.18	1.924	I	O	|	|	|	0.94
44.833	0.00	2.16	1.909	I	O	|	|	|	0.93
44.917	0.00	2.14	1.895	I	O	|	|	|	0.92
45.000	0.00	2.13	1.880	I	O	|	|	|	0.92
45.083	0.00	2.11	1.865	I	O	|	|	|	0.91
45.167	0.00	2.09	1.851	I	O	|	|	|	0.90
45.250	0.00	2.08	1.836	I	O	|	|	|	0.90
45.333	0.00	2.06	1.822	I	O	|	|	|	0.89

45.417	0.00	2.05	1.808	I O	|	|	|	0.88
45.500	0.00	2.03	1.794	I O	|	|	|	0.88
45.583	0.00	2.01	1.780	I O	|	|	|	0.87
45.667	0.00	2.00	1.766	I O	|	|	|	0.86
45.750	0.00	1.98	1.752	I O	|	|	|	0.85
45.833	0.00	1.97	1.739	I O	|	|	|	0.85
45.917	0.00	1.95	1.725	I O	|	|	|	0.84
46.000	0.00	1.94	1.712	I O	|	|	|	0.84
46.083	0.00	1.92	1.699	I O	|	|	|	0.83
46.167	0.00	1.91	1.685	I O	|	|	|	0.82
46.250	0.00	1.89	1.672	I O	|	|	|	0.82
46.333	0.00	1.88	1.659	I O	|	|	|	0.81
46.417	0.00	1.86	1.647	I O	|	|	|	0.80
46.500	0.00	1.85	1.634	I O	|	|	|	0.80
46.583	0.00	1.83	1.621	I O	|	|	|	0.79
46.667	0.00	1.82	1.608	I O	|	|	|	0.78
46.750	0.00	1.81	1.596	I O	|	|	|	0.78
46.833	0.00	1.79	1.584	I O	|	|	|	0.77
46.917	0.00	1.78	1.571	I O	|	|	|	0.77
47.000	0.00	1.76	1.559	I O	|	|	|	0.76
47.083	0.00	1.75	1.547	I O	|	|	|	0.75
47.167	0.00	1.74	1.535	I O	|	|	|	0.75
47.250	0.00	1.72	1.523	I O	|	|	|	0.74
47.333	0.00	1.71	1.511	I O	|	|	|	0.74
47.417	0.00	1.70	1.500	I O	|	|	|	0.73
47.500	0.00	1.68	1.488	I O	|	|	|	0.73
47.583	0.00	1.67	1.476	I O	|	|	|	0.72
47.667	0.00	1.66	1.465	I O	|	|	|	0.71
47.750	0.00	1.64	1.453	I O	|	|	|	0.71
47.833	0.00	1.63	1.442	I O	|	|	|	0.70
47.917	0.00	1.62	1.431	I O	|	|	|	0.70
48.000	0.00	1.61	1.420	I O	|	|	|	0.69
48.083	0.00	1.59	1.409	I O	|	|	|	0.69
48.167	0.00	1.58	1.398	I O	|	|	|	0.68
48.250	0.00	1.57	1.387	I O	|	|	|	0.68
48.333	0.00	1.56	1.376	I O	|	|	|	0.67
48.417	0.00	1.55	1.366	I O	|	|	|	0.67
48.500	0.00	1.53	1.355	I O	|	|	|	0.66
48.583	0.00	1.52	1.345	I O	|	|	|	0.66
48.667	0.00	1.51	1.334	I O	|	|	|	0.65
48.750	0.00	1.50	1.324	I O	|	|	|	0.65
48.833	0.00	1.49	1.313	I O	|	|	|	0.64
48.917	0.00	1.47	1.303	I O	|	|	|	0.64
49.000	0.00	1.46	1.293	IO	|	|	|	0.63
49.083	0.00	1.45	1.283	IO	|	|	|	0.63
49.167	0.00	1.44	1.273	IO	|	|	|	0.62
49.250	0.00	1.43	1.263	IO	|	|	|	0.62
49.333	0.00	1.42	1.253	IO	|	|	|	0.61
49.417	0.00	1.41	1.244	IO	|	|	|	0.61
49.500	0.00	1.40	1.234	IO	|	|	|	0.60
49.583	0.00	1.39	1.224	IO	|	|	|	0.60
49.667	0.00	1.37	1.215	IO	|	|	|	0.59
49.750	0.00	1.36	1.206	IO	|	|	|	0.59
49.833	0.00	1.35	1.196	IO	|	|	|	0.58
49.917	0.00	1.34	1.187	IO	|	|	|	0.58
50.000	0.00	1.33	1.178	IO	|	|	|	0.57
50.083	0.00	1.32	1.169	IO	|	|	|	0.57
50.167	0.00	1.31	1.159	IO	|	|	|	0.57
50.250	0.00	1.30	1.150	IO	|	|	|	0.56
50.333	0.00	1.29	1.142	IO	|	|	|	0.56
50.417	0.00	1.28	1.133	IO	|	|	|	0.55
50.500	0.00	1.27	1.124	IO	|	|	|	0.55
50.583	0.00	1.26	1.115	IO	|	|	|	0.54
50.667	0.00	1.25	1.106	IO	|	|	|	0.54
50.750	0.00	1.24	1.098	IO	|	|	|	0.54
50.833	0.00	1.23	1.089	IO	|	|	|	0.53
50.917	0.00	1.22	1.081	IO	|	|	|	0.53
51.000	0.00	1.21	1.073	IO	|	|	|	0.52

51.083	0.00	1.20	1.064	IO				0.52
51.167	0.00	1.19	1.056	IO				0.52
51.250	0.00	1.19	1.048	IO				0.51
51.333	0.00	1.18	1.040	IO				0.51
51.417	0.00	1.17	1.032	IO				0.50
51.500	0.00	1.16	1.024	IO				0.50
51.583	0.00	1.15	1.016	IO				0.50
51.667	0.00	1.14	1.008	IO				0.49
51.750	0.00	1.13	1.000	IO				0.49
51.833	0.00	1.12	0.992	IO				0.48
51.917	0.00	1.11	0.984	IO				0.48
52.000	0.00	1.11	0.977	IO				0.48
52.083	0.00	1.10	0.969	IO				0.47
52.167	0.00	1.09	0.962	IO				0.47
52.250	0.00	1.08	0.954	IO				0.47
52.333	0.00	1.07	0.947	IO				0.46
52.417	0.00	1.06	0.939	IO				0.46
52.500	0.00	1.05	0.932	IO				0.45
52.583	0.00	1.05	0.925	IO				0.45
52.667	0.00	1.04	0.918	IO				0.45
52.750	0.00	1.03	0.911	IO				0.44
52.833	0.00	1.02	0.904	IO				0.44
52.917	0.00	1.01	0.896	IO				0.44
53.000	0.00	1.01	0.890	IO				0.43
53.083	0.00	1.00	0.883	IO				0.43
53.167	0.00	0.99	0.876	IO				0.43
53.250	0.00	0.98	0.869	IO				0.42
53.333	0.00	0.98	0.862	IO				0.42
53.417	0.00	0.97	0.856	IO				0.42
53.500	0.00	0.96	0.849	IO				0.41
53.583	0.00	0.95	0.842	IO				0.41
53.667	0.00	0.95	0.836	IO				0.41
53.750	0.00	0.94	0.829	IO				0.40
53.833	0.00	0.93	0.823	IO				0.40
53.917	0.00	0.92	0.816	IO				0.40
54.000	0.00	0.92	0.810	IO				0.40
54.083	0.00	0.91	0.804	IO				0.39
54.167	0.00	0.90	0.798	IO				0.39
54.250	0.00	0.90	0.791	IO				0.39
54.333	0.00	0.89	0.785	IO				0.38
54.417	0.00	0.88	0.779	IO				0.38
54.500	0.00	0.87	0.773	IO				0.38
54.583	0.00	0.87	0.767	IO				0.37
54.667	0.00	0.86	0.761	IO				0.37
54.750	0.00	0.85	0.755	IO				0.37
54.833	0.00	0.85	0.749	IO				0.37
54.917	0.00	0.84	0.744	IO				0.36
55.000	0.00	0.83	0.738	IO				0.36
55.083	0.00	0.83	0.732	IO				0.36
55.167	0.00	0.82	0.726	IO				0.35
55.250	0.00	0.82	0.721	IO				0.35
55.333	0.00	0.81	0.715	IO				0.35
55.417	0.00	0.80	0.710	IO				0.35
55.500	0.00	0.80	0.704	IO				0.34
55.583	0.00	0.79	0.699	IO				0.34
55.667	0.00	0.78	0.693	IO				0.34
55.750	0.00	0.78	0.688	IO				0.34
55.833	0.00	0.77	0.682	IO				0.33
55.917	0.00	0.77	0.677	IO				0.33
56.000	0.00	0.76	0.672	IO				0.33
56.083	0.00	0.75	0.667	IO				0.33
56.167	0.00	0.75	0.662	IO				0.32
56.250	0.00	0.74	0.656	IO				0.32
56.333	0.00	0.74	0.651	IO				0.32
56.417	0.00	0.73	0.646	O				0.32
56.500	0.00	0.73	0.641	O				0.31
56.583	0.00	0.72	0.636	O				0.31
56.667	0.00	0.71	0.631	O				0.31

56.750	0.00	0.71	0.626	O	|	|	|	|	0.31
56.833	0.00	0.70	0.622	O	|	|	|	|	0.30
56.917	0.00	0.70	0.617	O	|	|	|	|	0.30
57.000	0.00	0.69	0.612	O	|	|	|	|	0.30
57.083	0.00	0.69	0.607	O	|	|	|	|	0.30
57.167	0.00	0.68	0.602	O	|	|	|	|	0.29
57.250	0.00	0.68	0.598	O	|	|	|	|	0.29
57.333	0.00	0.67	0.593	O	|	|	|	|	0.29
57.417	0.00	0.67	0.589	O	|	|	|	|	0.29
57.500	0.00	0.66	0.584	O	|	|	|	|	0.28
57.583	0.00	0.66	0.579	O	|	|	|	|	0.28
57.667	0.00	0.65	0.575	O	|	|	|	|	0.28
57.750	0.00	0.65	0.570	O	|	|	|	|	0.28
57.833	0.00	0.64	0.566	O	|	|	|	|	0.28
57.917	0.00	0.64	0.562	O	|	|	|	|	0.27
58.000	0.00	0.63	0.557	O	|	|	|	|	0.27
58.083	0.00	0.63	0.553	O	|	|	|	|	0.27
58.167	0.00	0.62	0.549	O	|	|	|	|	0.27
58.250	0.00	0.62	0.544	O	|	|	|	|	0.27
58.333	0.00	0.61	0.540	O	|	|	|	|	0.26
58.417	0.00	0.61	0.536	O	|	|	|	|	0.26
58.500	0.00	0.60	0.532	O	|	|	|	|	0.26
58.583	0.00	0.60	0.528	O	|	|	|	|	0.26
58.667	0.00	0.59	0.524	O	|	|	|	|	0.26
58.750	0.00	0.59	0.520	O	|	|	|	|	0.25
58.833	0.00	0.58	0.515	O	|	|	|	|	0.25
58.917	0.00	0.58	0.511	O	|	|	|	|	0.25
59.000	0.00	0.57	0.508	O	|	|	|	|	0.25
59.083	0.00	0.57	0.504	O	|	|	|	|	0.25
59.167	0.00	0.57	0.500	O	|	|	|	|	0.24
59.250	0.00	0.56	0.496	O	|	|	|	|	0.24
59.333	0.00	0.56	0.492	O	|	|	|	|	0.24
59.417	0.00	0.55	0.488	O	|	|	|	|	0.24
59.500	0.00	0.55	0.484	O	|	|	|	|	0.24
59.583	0.00	0.54	0.481	O	|	|	|	|	0.23
59.667	0.00	0.54	0.477	O	|	|	|	|	0.23
59.750	0.00	0.54	0.473	O	|	|	|	|	0.23
59.833	0.00	0.53	0.469	O	|	|	|	|	0.23
59.917	0.00	0.53	0.466	O	|	|	|	|	0.23
60.000	0.00	0.52	0.462	O	|	|	|	|	0.23
60.083	0.00	0.52	0.459	O	|	|	|	|	0.22
60.167	0.00	0.51	0.455	O	|	|	|	|	0.22
60.250	0.00	0.51	0.452	O	|	|	|	|	0.22
60.333	0.00	0.51	0.448	O	|	|	|	|	0.22
60.417	0.00	0.50	0.445	O	|	|	|	|	0.22
60.500	0.00	0.50	0.441	O	|	|	|	|	0.22
60.583	0.00	0.50	0.438	O	|	|	|	|	0.21
60.667	0.00	0.49	0.434	O	|	|	|	|	0.21
60.750	0.00	0.49	0.431	O	|	|	|	|	0.21
60.833	0.00	0.48	0.428	O	|	|	|	|	0.21
60.917	0.00	0.48	0.424	O	|	|	|	|	0.21
61.000	0.00	0.48	0.421	O	|	|	|	|	0.21
61.083	0.00	0.47	0.418	O	|	|	|	|	0.20
61.167	0.00	0.47	0.414	O	|	|	|	|	0.20
61.250	0.00	0.47	0.411	O	|	|	|	|	0.20
61.333	0.00	0.46	0.408	O	|	|	|	|	0.20
61.417	0.00	0.46	0.405	O	|	|	|	|	0.20
61.500	0.00	0.45	0.402	O	|	|	|	|	0.20
61.583	0.00	0.45	0.399	O	|	|	|	|	0.19
61.667	0.00	0.45	0.395	O	|	|	|	|	0.19
61.750	0.00	0.44	0.392	O	|	|	|	|	0.19
61.833	0.00	0.44	0.389	O	|	|	|	|	0.19
61.917	0.00	0.44	0.386	O	|	|	|	|	0.19
62.000	0.00	0.43	0.383	O	|	|	|	|	0.19
62.083	0.00	0.43	0.380	O	|	|	|	|	0.19
62.167	0.00	0.43	0.377	O	|	|	|	|	0.18
62.250	0.00	0.42	0.374	O	|	|	|	|	0.18
62.333	0.00	0.42	0.372	O	|	|	|	|	0.18

62.417	0.00	0.42	0.369	O	|	|	|	|	0.18
62.500	0.00	0.41	0.366	O	|	|	|	|	0.18
62.583	0.00	0.41	0.363	O	|	|	|	|	0.18
62.667	0.00	0.41	0.360	O	|	|	|	|	0.18
62.750	0.00	0.40	0.357	O	|	|	|	|	0.17
62.833	0.00	0.40	0.355	O	|	|	|	|	0.17
62.917	0.00	0.40	0.352	O	|	|	|	|	0.17
63.000	0.00	0.40	0.349	O	|	|	|	|	0.17
63.083	0.00	0.39	0.346	O	|	|	|	|	0.17
63.167	0.00	0.39	0.344	O	|	|	|	|	0.17
63.250	0.00	0.39	0.341	O	|	|	|	|	0.17
63.333	0.00	0.38	0.338	O	|	|	|	|	0.17
63.417	0.00	0.38	0.336	O	|	|	|	|	0.16
63.500	0.00	0.38	0.333	O	|	|	|	|	0.16
63.583	0.00	0.37	0.331	O	|	|	|	|	0.16
63.667	0.00	0.37	0.328	O	|	|	|	|	0.16
63.750	0.00	0.37	0.325	O	|	|	|	|	0.16
63.833	0.00	0.37	0.323	O	|	|	|	|	0.16
63.917	0.00	0.36	0.320	O	|	|	|	|	0.16
64.000	0.00	0.36	0.318	O	|	|	|	|	0.16
64.083	0.00	0.36	0.315	O	|	|	|	|	0.15
64.167	0.00	0.35	0.313	O	|	|	|	|	0.15
64.250	0.00	0.35	0.311	O	|	|	|	|	0.15
64.333	0.00	0.35	0.308	O	|	|	|	|	0.15
64.417	0.00	0.35	0.306	O	|	|	|	|	0.15
64.500	0.00	0.34	0.303	O	|	|	|	|	0.15
64.583	0.00	0.34	0.301	O	|	|	|	|	0.15
64.667	0.00	0.34	0.299	O	|	|	|	|	0.15
64.750	0.00	0.34	0.296	O	|	|	|	|	0.14
64.833	0.00	0.33	0.294	O	|	|	|	|	0.14
64.917	0.00	0.33	0.292	O	|	|	|	|	0.14
65.000	0.00	0.33	0.290	O	|	|	|	|	0.14
65.083	0.00	0.33	0.287	O	|	|	|	|	0.14
65.167	0.00	0.32	0.285	O	|	|	|	|	0.14
65.250	0.00	0.32	0.283	O	|	|	|	|	0.14
65.333	0.00	0.32	0.281	O	|	|	|	|	0.14
65.417	0.00	0.32	0.278	O	|	|	|	|	0.14
65.500	0.00	0.31	0.276	O	|	|	|	|	0.13
65.583	0.00	0.31	0.274	O	|	|	|	|	0.13
65.667	0.00	0.31	0.272	O	|	|	|	|	0.13
65.750	0.00	0.31	0.270	O	|	|	|	|	0.13
65.833	0.00	0.30	0.268	O	|	|	|	|	0.13
65.917	0.00	0.30	0.266	O	|	|	|	|	0.13
66.000	0.00	0.30	0.264	O	|	|	|	|	0.13
66.083	0.00	0.30	0.262	O	|	|	|	|	0.13
66.167	0.00	0.29	0.260	O	|	|	|	|	0.13
66.250	0.00	0.29	0.258	O	|	|	|	|	0.13
66.333	0.00	0.29	0.256	O	|	|	|	|	0.12
66.417	0.00	0.29	0.254	O	|	|	|	|	0.12
66.500	0.00	0.28	0.252	O	|	|	|	|	0.12
66.583	0.00	0.28	0.250	O	|	|	|	|	0.12
66.667	0.00	0.28	0.248	O	|	|	|	|	0.12
66.750	0.00	0.28	0.246	O	|	|	|	|	0.12
66.833	0.00	0.28	0.244	O	|	|	|	|	0.12
66.917	0.00	0.27	0.242	O	|	|	|	|	0.12
67.000	0.00	0.27	0.240	O	|	|	|	|	0.12
67.083	0.00	0.27	0.238	O	|	|	|	|	0.12
67.167	0.00	0.27	0.236	O	|	|	|	|	0.12
67.250	0.00	0.27	0.235	O	|	|	|	|	0.11
67.333	0.00	0.26	0.233	O	|	|	|	|	0.11
67.417	0.00	0.26	0.231	O	|	|	|	|	0.11
67.500	0.00	0.26	0.229	O	|	|	|	|	0.11
67.583	0.00	0.26	0.227	O	|	|	|	|	0.11
67.667	0.00	0.26	0.226	O	|	|	|	|	0.11
67.750	0.00	0.25	0.224	O	|	|	|	|	0.11
67.833	0.00	0.25	0.222	O	|	|	|	|	0.11
67.917	0.00	0.25	0.220	O	|	|	|	|	0.11
68.000	0.00	0.25	0.219	O	|	|	|	|	0.11

68.083	0.00	0.25	0.217	O					0.11
68.167	0.00	0.24	0.215	O					0.11
68.250	0.00	0.24	0.214	O					0.10
68.333	0.00	0.24	0.212	O					0.10
68.417	0.00	0.24	0.210	O					0.10
68.500	0.00	0.24	0.209	O					0.10
68.583	0.00	0.23	0.207	O					0.10
68.667	0.00	0.23	0.205	O					0.10
68.750	0.00	0.23	0.204	O					0.10
68.833	0.00	0.23	0.202	O					0.10
68.917	0.00	0.23	0.201	O					0.10
69.000	0.00	0.23	0.199	O					0.10
69.083	0.00	0.22	0.198	O					0.10
69.167	0.00	0.22	0.196	O					0.10
69.250	0.00	0.22	0.195	O					0.09
69.333	0.00	0.22	0.193	O					0.09
69.417	0.00	0.22	0.192	O					0.09
69.500	0.00	0.22	0.190	O					0.09
69.583	0.00	0.21	0.189	O					0.09
69.667	0.00	0.21	0.187	O					0.09
69.750	0.00	0.21	0.186	O					0.09
69.833	0.00	0.21	0.184	O					0.09
69.917	0.00	0.21	0.183	O					0.09
70.000	0.00	0.21	0.181	O					0.09
70.083	0.00	0.20	0.180	O					0.09
70.167	0.00	0.20	0.179	O					0.09
70.250	0.00	0.20	0.177	O					0.09
70.333	0.00	0.20	0.176	O					0.09
70.417	0.00	0.20	0.174	O					0.09
70.500	0.00	0.20	0.173	O					0.08
70.583	0.00	0.19	0.172	O					0.08
70.667	0.00	0.19	0.170	O					0.08
70.750	0.00	0.19	0.169	O					0.08
70.833	0.00	0.19	0.168	O					0.08
70.917	0.00	0.19	0.166	O					0.08
71.000	0.00	0.19	0.165	O					0.08
71.083	0.00	0.19	0.164	O					0.08
71.167	0.00	0.18	0.163	O					0.08
71.250	0.00	0.18	0.161	O					0.08
71.333	0.00	0.18	0.160	O					0.08
71.417	0.00	0.18	0.159	O					0.08
71.500	0.00	0.18	0.158	O					0.08
71.583	0.00	0.18	0.156	O					0.08
71.667	0.00	0.18	0.155	O					0.08
71.750	0.00	0.17	0.154	O					0.08
71.833	0.00	0.17	0.153	O					0.07
71.917	0.00	0.17	0.152	O					0.07
72.000	0.00	0.17	0.150	O					0.07
72.083	0.00	0.17	0.149	O					0.07
72.167	0.00	0.17	0.148	O					0.07
72.250	0.00	0.17	0.147	O					0.07
72.333	0.00	0.17	0.146	O					0.07
72.417	0.00	0.16	0.145	O					0.07
72.500	0.00	0.16	0.144	O					0.07
72.583	0.00	0.16	0.142	O					0.07
72.667	0.00	0.16	0.141	O					0.07
72.750	0.00	0.16	0.140	O					0.07
72.833	0.00	0.16	0.139	O					0.07
72.917	0.00	0.16	0.138	O					0.07
73.000	0.00	0.16	0.137	O					0.07
73.083	0.00	0.15	0.136	O					0.07
73.167	0.00	0.15	0.135	O					0.07
73.250	0.00	0.15	0.134	O					0.07
73.333	0.00	0.15	0.133	O					0.06
73.417	0.00	0.15	0.132	O					0.06
73.500	0.00	0.15	0.131	O					0.06
73.583	0.00	0.15	0.130	O					0.06
73.667	0.00	0.15	0.129	O					0.06

73.750	0.00	0.14	0.128	O	|	|	|	|	0.06
73.833	0.00	0.14	0.127	O	|	|	|	|	0.06
73.917	0.00	0.14	0.126	O	|	|	|	|	0.06
74.000	0.00	0.14	0.125	O	|	|	|	|	0.06
74.083	0.00	0.14	0.124	O	|	|	|	|	0.06
74.167	0.00	0.14	0.123	O	|	|	|	|	0.06
74.250	0.00	0.14	0.122	O	|	|	|	|	0.06
74.333	0.00	0.14	0.121	O	|	|	|	|	0.06
74.417	0.00	0.14	0.120	O	|	|	|	|	0.06
74.500	0.00	0.13	0.119	O	|	|	|	|	0.06
74.583	0.00	0.13	0.118	O	|	|	|	|	0.06
74.667	0.00	0.13	0.117	O	|	|	|	|	0.06
74.750	0.00	0.13	0.116	O	|	|	|	|	0.06
74.833	0.00	0.13	0.115	O	|	|	|	|	0.06
74.917	0.00	0.13	0.115	O	|	|	|	|	0.06
75.000	0.00	0.13	0.114	O	|	|	|	|	0.06
75.083	0.00	0.13	0.113	O	|	|	|	|	0.06
75.167	0.00	0.13	0.112	O	|	|	|	|	0.05
75.250	0.00	0.13	0.111	O	|	|	|	|	0.05
75.333	0.00	0.12	0.110	O	|	|	|	|	0.05
75.417	0.00	0.12	0.109	O	|	|	|	|	0.05
75.500	0.00	0.12	0.108	O	|	|	|	|	0.05
75.583	0.00	0.12	0.108	O	|	|	|	|	0.05
75.667	0.00	0.12	0.107	O	|	|	|	|	0.05
75.750	0.00	0.12	0.106	O	|	|	|	|	0.05
75.833	0.00	0.12	0.105	O	|	|	|	|	0.05
75.917	0.00	0.12	0.104	O	|	|	|	|	0.05
76.000	0.00	0.12	0.103	O	|	|	|	|	0.05
76.083	0.00	0.12	0.103	O	|	|	|	|	0.05
76.167	0.00	0.12	0.102	O	|	|	|	|	0.05
76.250	0.00	0.11	0.101	O	|	|	|	|	0.05
76.333	0.00	0.11	0.100	O	|	|	|	|	0.05
76.417	0.00	0.11	0.100	O	|	|	|	|	0.05
76.500	0.00	0.11	0.099	O	|	|	|	|	0.05
76.583	0.00	0.11	0.098	O	|	|	|	|	0.05
76.667	0.00	0.11	0.097	O	|	|	|	|	0.05
76.750	0.00	0.11	0.096	O	|	|	|	|	0.05
76.833	0.00	0.11	0.096	O	|	|	|	|	0.05
76.917	0.00	0.11	0.095	O	|	|	|	|	0.05
77.000	0.00	0.11	0.094	O	|	|	|	|	0.05
77.083	0.00	0.11	0.094	O	|	|	|	|	0.05
77.167	0.00	0.11	0.093	O	|	|	|	|	0.05
77.250	0.00	0.10	0.092	O	|	|	|	|	0.04
77.333	0.00	0.10	0.091	O	|	|	|	|	0.04
77.417	0.00	0.10	0.091	O	|	|	|	|	0.04
77.500	0.00	0.10	0.090	O	|	|	|	|	0.04
77.583	0.00	0.10	0.089	O	|	|	|	|	0.04
77.667	0.00	0.10	0.089	O	|	|	|	|	0.04
77.750	0.00	0.10	0.088	O	|	|	|	|	0.04
77.833	0.00	0.10	0.087	O	|	|	|	|	0.04
77.917	0.00	0.10	0.087	O	|	|	|	|	0.04
78.000	0.00	0.10	0.086	O	|	|	|	|	0.04
78.083	0.00	0.10	0.085	O	|	|	|	|	0.04
78.167	0.00	0.10	0.085	O	|	|	|	|	0.04
78.250	0.00	0.09	0.084	O	|	|	|	|	0.04
78.333	0.00	0.09	0.083	O	|	|	|	|	0.04
78.417	0.00	0.09	0.083	O	|	|	|	|	0.04
78.500	0.00	0.09	0.082	O	|	|	|	|	0.04
78.583	0.00	0.09	0.081	O	|	|	|	|	0.04
78.667	0.00	0.09	0.081	O	|	|	|	|	0.04
78.750	0.00	0.09	0.080	O	|	|	|	|	0.04
78.833	0.00	0.09	0.079	O	|	|	|	|	0.04
78.917	0.00	0.09	0.079	O	|	|	|	|	0.04
79.000	0.00	0.09	0.078	O	|	|	|	|	0.04
79.083	0.00	0.09	0.078	O	|	|	|	|	0.04
79.167	0.00	0.09	0.077	O	|	|	|	|	0.04
79.250	0.00	0.09	0.076	O	|	|	|	|	0.04
79.333	0.00	0.09	0.076	O	|	|	|	|	0.04

79.417	0.00	0.09	0.075	O	|	|	|	|	0.04
79.500	0.00	0.08	0.075	O	|	|	|	|	0.04
79.583	0.00	0.08	0.074	O	|	|	|	|	0.04
79.667	0.00	0.08	0.073	O	|	|	|	|	0.04
79.750	0.00	0.08	0.073	O	|	|	|	|	0.04
79.833	0.00	0.08	0.072	O	|	|	|	|	0.04
79.917	0.00	0.08	0.072	O	|	|	|	|	0.03
80.000	0.00	0.08	0.071	O	|	|	|	|	0.03
80.083	0.00	0.08	0.071	O	|	|	|	|	0.03
80.167	0.00	0.08	0.070	O	|	|	|	|	0.03
80.250	0.00	0.08	0.070	O	|	|	|	|	0.03
80.333	0.00	0.08	0.069	O	|	|	|	|	0.03
80.417	0.00	0.08	0.068	O	|	|	|	|	0.03
80.500	0.00	0.08	0.068	O	|	|	|	|	0.03
80.583	0.00	0.08	0.067	O	|	|	|	|	0.03
80.667	0.00	0.08	0.067	O	|	|	|	|	0.03
80.750	0.00	0.08	0.066	O	|	|	|	|	0.03
80.833	0.00	0.07	0.066	O	|	|	|	|	0.03
80.917	0.00	0.07	0.065	O	|	|	|	|	0.03
81.000	0.00	0.07	0.065	O	|	|	|	|	0.03
81.083	0.00	0.07	0.064	O	|	|	|	|	0.03
81.167	0.00	0.07	0.064	O	|	|	|	|	0.03
81.250	0.00	0.07	0.063	O	|	|	|	|	0.03
81.333	0.00	0.07	0.063	O	|	|	|	|	0.03
81.417	0.00	0.07	0.062	O	|	|	|	|	0.03
81.500	0.00	0.07	0.062	O	|	|	|	|	0.03
81.583	0.00	0.07	0.061	O	|	|	|	|	0.03
81.667	0.00	0.07	0.061	O	|	|	|	|	0.03
81.750	0.00	0.07	0.060	O	|	|	|	|	0.03
81.833	0.00	0.07	0.060	O	|	|	|	|	0.03
81.917	0.00	0.07	0.060	O	|	|	|	|	0.03
82.000	0.00	0.07	0.059	O	|	|	|	|	0.03
82.083	0.00	0.07	0.059	O	|	|	|	|	0.03
82.167	0.00	0.07	0.058	O	|	|	|	|	0.03
82.250	0.00	0.07	0.058	O	|	|	|	|	0.03
82.333	0.00	0.06	0.057	O	|	|	|	|	0.03
82.417	0.00	0.06	0.057	O	|	|	|	|	0.03
82.500	0.00	0.06	0.056	O	|	|	|	|	0.03
82.583	0.00	0.06	0.056	O	|	|	|	|	0.03
82.667	0.00	0.06	0.055	O	|	|	|	|	0.03
82.750	0.00	0.06	0.055	O	|	|	|	|	0.03
82.833	0.00	0.06	0.055	O	|	|	|	|	0.03
82.917	0.00	0.06	0.054	O	|	|	|	|	0.03
83.000	0.00	0.06	0.054	O	|	|	|	|	0.03
83.083	0.00	0.06	0.053	O	|	|	|	|	0.03
83.167	0.00	0.06	0.053	O	|	|	|	|	0.03
83.250	0.00	0.06	0.053	O	|	|	|	|	0.03
83.333	0.00	0.06	0.052	O	|	|	|	|	0.03
83.417	0.00	0.06	0.052	O	|	|	|	|	0.03
83.500	0.00	0.06	0.051	O	|	|	|	|	0.03
83.583	0.00	0.06	0.051	O	|	|	|	|	0.02
83.667	0.00	0.06	0.051	O	|	|	|	|	0.02
83.750	0.00	0.06	0.050	O	|	|	|	|	0.02
83.833	0.00	0.06	0.050	O	|	|	|	|	0.02
83.917	0.00	0.06	0.049	O	|	|	|	|	0.02
84.000	0.00	0.06	0.049	O	|	|	|	|	0.02
84.083	0.00	0.05	0.049	O	|	|	|	|	0.02
84.167	0.00	0.05	0.048	O	|	|	|	|	0.02
84.250	0.00	0.05	0.048	O	|	|	|	|	0.02
84.333	0.00	0.05	0.047	O	|	|	|	|	0.02
84.417	0.00	0.05	0.047	O	|	|	|	|	0.02
84.500	0.00	0.05	0.047	O	|	|	|	|	0.02
84.583	0.00	0.05	0.046	O	|	|	|	|	0.02
84.667	0.00	0.05	0.046	O	|	|	|	|	0.02
84.750	0.00	0.05	0.046	O	|	|	|	|	0.02
84.833	0.00	0.05	0.045	O	|	|	|	|	0.02
84.917	0.00	0.05	0.045	O	|	|	|	|	0.02
85.000	0.00	0.05	0.045	O	|	|	|	|	0.02

85.083	0.00	0.05	0.044	O	|	|	|	|	0.02
85.167	0.00	0.05	0.044	O	|	|	|	|	0.02
85.250	0.00	0.05	0.044	O	|	|	|	|	0.02
85.333	0.00	0.05	0.043	O	|	|	|	|	0.02
85.417	0.00	0.05	0.043	O	|	|	|	|	0.02
85.500	0.00	0.05	0.043	O	|	|	|	|	0.02
85.583	0.00	0.05	0.042	O	|	|	|	|	0.02
85.667	0.00	0.05	0.042	O	|	|	|	|	0.02
85.750	0.00	0.05	0.042	O	|	|	|	|	0.02
85.833	0.00	0.05	0.041	O	|	|	|	|	0.02
85.917	0.00	0.05	0.041	O	|	|	|	|	0.02
86.000	0.00	0.05	0.041	O	|	|	|	|	0.02
86.083	0.00	0.05	0.040	O	|	|	|	|	0.02
86.167	0.00	0.05	0.040	O	|	|	|	|	0.02
86.250	0.00	0.04	0.040	O	|	|	|	|	0.02
86.333	0.00	0.04	0.039	O	|	|	|	|	0.02
86.417	0.00	0.04	0.039	O	|	|	|	|	0.02
86.500	0.00	0.04	0.039	O	|	|	|	|	0.02
86.583	0.00	0.04	0.038	O	|	|	|	|	0.02
86.667	0.00	0.04	0.038	O	|	|	|	|	0.02
86.750	0.00	0.04	0.038	O	|	|	|	|	0.02
86.833	0.00	0.04	0.038	O	|	|	|	|	0.02
86.917	0.00	0.04	0.037	O	|	|	|	|	0.02
87.000	0.00	0.04	0.037	O	|	|	|	|	0.02
87.083	0.00	0.04	0.037	O	|	|	|	|	0.02
87.167	0.00	0.04	0.036	O	|	|	|	|	0.02
87.250	0.00	0.04	0.036	O	|	|	|	|	0.02
87.333	0.00	0.04	0.036	O	|	|	|	|	0.02
87.417	0.00	0.04	0.036	O	|	|	|	|	0.02
87.500	0.00	0.04	0.035	O	|	|	|	|	0.02
87.583	0.00	0.04	0.035	O	|	|	|	|	0.02
87.667	0.00	0.04	0.035	O	|	|	|	|	0.02
87.750	0.00	0.04	0.034	O	|	|	|	|	0.02
87.833	0.00	0.04	0.034	O	|	|	|	|	0.02
87.917	0.00	0.04	0.034	O	|	|	|	|	0.02
88.000	0.00	0.04	0.034	O	|	|	|	|	0.02
88.083	0.00	0.04	0.033	O	|	|	|	|	0.02
88.167	0.00	0.04	0.033	O	|	|	|	|	0.02
88.250	0.00	0.04	0.033	O	|	|	|	|	0.02
88.333	0.00	0.04	0.033	O	|	|	|	|	0.02
88.417	0.00	0.04	0.032	O	|	|	|	|	0.02
88.500	0.00	0.04	0.032	O	|	|	|	|	0.02
88.583	0.00	0.04	0.032	O	|	|	|	|	0.02
88.667	0.00	0.04	0.032	O	|	|	|	|	0.02
88.750	0.00	0.04	0.031	O	|	|	|	|	0.02
88.833	0.00	0.04	0.031	O	|	|	|	|	0.02
88.917	0.00	0.03	0.031	O	|	|	|	|	0.02
89.000	0.00	0.03	0.031	O	|	|	|	|	0.01
89.083	0.00	0.03	0.030	O	|	|	|	|	0.01
89.167	0.00	0.03	0.030	O	|	|	|	|	0.01
89.250	0.00	0.03	0.030	O	|	|	|	|	0.01
89.333	0.00	0.03	0.030	O	|	|	|	|	0.01
89.417	0.00	0.03	0.030	O	|	|	|	|	0.01
89.500	0.00	0.03	0.029	O	|	|	|	|	0.01
89.583	0.00	0.03	0.029	O	|	|	|	|	0.01
89.667	0.00	0.03	0.029	O	|	|	|	|	0.01
89.750	0.00	0.03	0.029	O	|	|	|	|	0.01
89.833	0.00	0.03	0.028	O	|	|	|	|	0.01
89.917	0.00	0.03	0.028	O	|	|	|	|	0.01
90.000	0.00	0.03	0.028	O	|	|	|	|	0.01
90.083	0.00	0.03	0.028	O	|	|	|	|	0.01
90.167	0.00	0.03	0.028	O	|	|	|	|	0.01
90.250	0.00	0.03	0.027	O	|	|	|	|	0.01
90.333	0.00	0.03	0.027	O	|	|	|	|	0.01
90.417	0.00	0.03	0.027	O	|	|	|	|	0.01
90.500	0.00	0.03	0.027	O	|	|	|	|	0.01
90.583	0.00	0.03	0.026	O	|	|	|	|	0.01
90.667	0.00	0.03	0.026	O	|	|	|	|	0.01

90.750	0.00	0.03	0.026	O	|	|	|	|	0.01
90.833	0.00	0.03	0.026	O	|	|	|	|	0.01
90.917	0.00	0.03	0.026	O	|	|	|	|	0.01
91.000	0.00	0.03	0.025	O	|	|	|	|	0.01
91.083	0.00	0.03	0.025	O	|	|	|	|	0.01
91.167	0.00	0.03	0.025	O	|	|	|	|	0.01
91.250	0.00	0.03	0.025	O	|	|	|	|	0.01
91.333	0.00	0.03	0.025	O	|	|	|	|	0.01
91.417	0.00	0.03	0.024	O	|	|	|	|	0.01
91.500	0.00	0.03	0.024	O	|	|	|	|	0.01
91.583	0.00	0.03	0.024	O	|	|	|	|	0.01
91.667	0.00	0.03	0.024	O	|	|	|	|	0.01
91.750	0.00	0.03	0.024	O	|	|	|	|	0.01
91.833	0.00	0.03	0.024	O	|	|	|	|	0.01
91.917	0.00	0.03	0.023	O	|	|	|	|	0.01
92.000	0.00	0.03	0.023	O	|	|	|	|	0.01
92.083	0.00	0.03	0.023	O	|	|	|	|	0.01
92.167	0.00	0.03	0.023	O	|	|	|	|	0.01
92.250	0.00	0.03	0.023	O	|	|	|	|	0.01
92.333	0.00	0.03	0.022	O	|	|	|	|	0.01
92.417	0.00	0.03	0.022	O	|	|	|	|	0.01
92.500	0.00	0.03	0.022	O	|	|	|	|	0.01
92.583	0.00	0.02	0.022	O	|	|	|	|	0.01
92.667	0.00	0.02	0.022	O	|	|	|	|	0.01
92.750	0.00	0.02	0.022	O	|	|	|	|	0.01
92.833	0.00	0.02	0.021	O	|	|	|	|	0.01
92.917	0.00	0.02	0.021	O	|	|	|	|	0.01
93.000	0.00	0.02	0.021	O	|	|	|	|	0.01
93.083	0.00	0.02	0.021	O	|	|	|	|	0.01
93.167	0.00	0.02	0.021	O	|	|	|	|	0.01
93.250	0.00	0.02	0.021	O	|	|	|	|	0.01
93.333	0.00	0.02	0.020	O	|	|	|	|	0.01
93.417	0.00	0.02	0.020	O	|	|	|	|	0.01
93.500	0.00	0.02	0.020	O	|	|	|	|	0.01
93.583	0.00	0.02	0.020	O	|	|	|	|	0.01
93.667	0.00	0.02	0.020	O	|	|	|	|	0.01
93.750	0.00	0.02	0.020	O	|	|	|	|	0.01
93.833	0.00	0.02	0.020	O	|	|	|	|	0.01
93.917	0.00	0.02	0.019	O	|	|	|	|	0.01
94.000	0.00	0.02	0.019	O	|	|	|	|	0.01
94.083	0.00	0.02	0.019	O	|	|	|	|	0.01
94.167	0.00	0.02	0.019	O	|	|	|	|	0.01
94.250	0.00	0.02	0.019	O	|	|	|	|	0.01
94.333	0.00	0.02	0.019	O	|	|	|	|	0.01
94.417	0.00	0.02	0.018	O	|	|	|	|	0.01
94.500	0.00	0.02	0.018	O	|	|	|	|	0.01
94.583	0.00	0.02	0.018	O	|	|	|	|	0.01
94.667	0.00	0.02	0.018	O	|	|	|	|	0.01
94.750	0.00	0.02	0.018	O	|	|	|	|	0.01
94.833	0.00	0.02	0.018	O	|	|	|	|	0.01
94.917	0.00	0.02	0.018	O	|	|	|	|	0.01
95.000	0.00	0.02	0.018	O	|	|	|	|	0.01
95.083	0.00	0.02	0.017	O	|	|	|	|	0.01
95.167	0.00	0.02	0.017	O	|	|	|	|	0.01
95.250	0.00	0.02	0.017	O	|	|	|	|	0.01
95.333	0.00	0.02	0.017	O	|	|	|	|	0.01
95.417	0.00	0.02	0.017	O	|	|	|	|	0.01
95.500	0.00	0.02	0.017	O	|	|	|	|	0.01
95.583	0.00	0.02	0.017	O	|	|	|	|	0.01
95.667	0.00	0.02	0.016	O	|	|	|	|	0.01
95.750	0.00	0.02	0.016	O	|	|	|	|	0.01
95.833	0.00	0.02	0.016	O	|	|	|	|	0.01
95.917	0.00	0.02	0.016	O	|	|	|	|	0.01
96.000	0.00	0.02	0.016	O	|	|	|	|	0.01
96.083	0.00	0.02	0.016	O	|	|	|	|	0.01
96.167	0.00	0.02	0.016	O	|	|	|	|	0.01
96.250	0.00	0.02	0.016	O	|	|	|	|	0.01
96.333	0.00	0.02	0.015	O	|	|	|	|	0.01

96.417	0.00	0.02	0.015	O	|	|	|	|	0.01
96.500	0.00	0.02	0.015	O	|	|	|	|	0.01
96.583	0.00	0.02	0.015	O	|	|	|	|	0.01
96.667	0.00	0.02	0.015	O	|	|	|	|	0.01
96.750	0.00	0.02	0.015	O	|	|	|	|	0.01
96.833	0.00	0.02	0.015	O	|	|	|	|	0.01
96.917	0.00	0.02	0.015	O	|	|	|	|	0.01
97.000	0.00	0.02	0.015	O	|	|	|	|	0.01
97.083	0.00	0.02	0.014	O	|	|	|	|	0.01
97.167	0.00	0.02	0.014	O	|	|	|	|	0.01
97.250	0.00	0.02	0.014	O	|	|	|	|	0.01
97.333	0.00	0.02	0.014	O	|	|	|	|	0.01
97.417	0.00	0.02	0.014	O	|	|	|	|	0.01
97.500	0.00	0.02	0.014	O	|	|	|	|	0.01
97.583	0.00	0.02	0.014	O	|	|	|	|	0.01
97.667	0.00	0.02	0.014	O	|	|	|	|	0.01
97.750	0.00	0.02	0.014	O	|	|	|	|	0.01
97.833	0.00	0.02	0.013	O	|	|	|	|	0.01
97.917	0.00	0.02	0.013	O	|	|	|	|	0.01
98.000	0.00	0.01	0.013	O	|	|	|	|	0.01
98.083	0.00	0.01	0.013	O	|	|	|	|	0.01
98.167	0.00	0.01	0.013	O	|	|	|	|	0.01
98.250	0.00	0.01	0.013	O	|	|	|	|	0.01
98.333	0.00	0.01	0.013	O	|	|	|	|	0.01
98.417	0.00	0.01	0.013	O	|	|	|	|	0.01
98.500	0.00	0.01	0.013	O	|	|	|	|	0.01
98.583	0.00	0.01	0.013	O	|	|	|	|	0.01
98.667	0.00	0.01	0.012	O	|	|	|	|	0.01
98.750	0.00	0.01	0.012	O	|	|	|	|	0.01
98.833	0.00	0.01	0.012	O	|	|	|	|	0.01
98.917	0.00	0.01	0.012	O	|	|	|	|	0.01
99.000	0.00	0.01	0.012	O	|	|	|	|	0.01
99.083	0.00	0.01	0.012	O	|	|	|	|	0.01
99.167	0.00	0.01	0.012	O	|	|	|	|	0.01
99.250	0.00	0.01	0.012	O	|	|	|	|	0.01
99.333	0.00	0.01	0.012	O	|	|	|	|	0.01
99.417	0.00	0.01	0.012	O	|	|	|	|	0.01
99.500	0.00	0.01	0.011	O	|	|	|	|	0.01
99.583	0.00	0.01	0.011	O	|	|	|	|	0.01
99.667	0.00	0.01	0.011	O	|	|	|	|	0.01
99.750	0.00	0.01	0.011	O	|	|	|	|	0.01
99.833	0.00	0.01	0.011	O	|	|	|	|	0.01
99.917	0.00	0.01	0.011	O	|	|	|	|	0.01
100.000	0.00	0.01	0.011	O	|	|	|	|	0.01
100.083	0.00	0.01	0.011	O	|	|	|	|	0.01
100.167	0.00	0.01	0.011	O	|	|	|	|	0.01
100.250	0.00	0.01	0.011	O	|	|	|	|	0.01
100.333	0.00	0.01	0.011	O	|	|	|	|	0.01
100.417	0.00	0.01	0.011	O	|	|	|	|	0.01
100.500	0.00	0.01	0.010	O	|	|	|	|	0.01
100.583	0.00	0.01	0.010	O	|	|	|	|	0.01
100.667	0.00	0.01	0.010	O	|	|	|	|	0.01
100.750	0.00	0.01	0.010	O	|	|	|	|	0.00
100.833	0.00	0.01	0.010	O	|	|	|	|	0.00
100.917	0.00	0.01	0.010	O	|	|	|	|	0.00
101.000	0.00	0.01	0.010	O	|	|	|	|	0.00
101.083	0.00	0.01	0.010	O	|	|	|	|	0.00
101.167	0.00	0.01	0.010	O	|	|	|	|	0.00
101.250	0.00	0.01	0.010	O	|	|	|	|	0.00
101.333	0.00	0.01	0.010	O	|	|	|	|	0.00
101.417	0.00	0.01	0.010	O	|	|	|	|	0.00
101.500	0.00	0.01	0.010	O	|	|	|	|	0.00
101.583	0.00	0.01	0.009	O	|	|	|	|	0.00
101.667	0.00	0.01	0.009	O	|	|	|	|	0.00
101.750	0.00	0.01	0.009	O	|	|	|	|	0.00
101.833	0.00	0.01	0.009	O	|	|	|	|	0.00
101.917	0.00	0.01	0.009	O	|	|	|	|	0.00
102.000	0.00	0.01	0.009	O	|	|	|	|	0.00

102.083	0.00	0.01	0.009	O					0.00
102.167	0.00	0.01	0.009	O					0.00
102.250	0.00	0.01	0.009	O					0.00
102.333	0.00	0.01	0.009	O					0.00
102.417	0.00	0.01	0.009	O					0.00
102.500	0.00	0.01	0.009	O					0.00
102.583	0.00	0.01	0.009	O					0.00
102.667	0.00	0.01	0.009	O					0.00
102.750	0.00	0.01	0.008	O					0.00
102.833	0.00	0.01	0.008	O					0.00
102.917	0.00	0.01	0.008	O					0.00
103.000	0.00	0.01	0.008	O					0.00
103.083	0.00	0.01	0.008	O					0.00
103.167	0.00	0.01	0.008	O					0.00
103.250	0.00	0.01	0.008	O					0.00
103.333	0.00	0.01	0.008	O					0.00
103.417	0.00	0.01	0.008	O					0.00
103.500	0.00	0.01	0.008	O					0.00
103.583	0.00	0.01	0.008	O					0.00
103.667	0.00	0.01	0.008	O					0.00
103.750	0.00	0.01	0.008	O					0.00
103.833	0.00	0.01	0.008	O					0.00
103.917	0.00	0.01	0.008	O					0.00
104.000	0.00	0.01	0.008	O					0.00
104.083	0.00	0.01	0.007	O					0.00
104.167	0.00	0.01	0.007	O					0.00
104.250	0.00	0.01	0.007	O					0.00
104.333	0.00	0.01	0.007	O					0.00
104.417	0.00	0.01	0.007	O					0.00
104.500	0.00	0.01	0.007	O					0.00
104.583	0.00	0.01	0.007	O					0.00
104.667	0.00	0.01	0.007	O					0.00
104.750	0.00	0.01	0.007	O					0.00
104.833	0.00	0.01	0.007	O					0.00
104.917	0.00	0.01	0.007	O					0.00
105.000	0.00	0.01	0.007	O					0.00
105.083	0.00	0.01	0.007	O					0.00
105.167	0.00	0.01	0.007	O					0.00
105.250	0.00	0.01	0.007	O					0.00
105.333	0.00	0.01	0.007	O					0.00
105.417	0.00	0.01	0.007	O					0.00
105.500	0.00	0.01	0.007	O					0.00
105.583	0.00	0.01	0.007	O					0.00
105.667	0.00	0.01	0.006	O					0.00
105.750	0.00	0.01	0.006	O					0.00
105.833	0.00	0.01	0.006	O					0.00
105.917	0.00	0.01	0.006	O					0.00
106.000	0.00	0.01	0.006	O					0.00
106.083	0.00	0.01	0.006	O					0.00
106.167	0.00	0.01	0.006	O					0.00
106.250	0.00	0.01	0.006	O					0.00
106.333	0.00	0.01	0.006	O					0.00
106.417	0.00	0.01	0.006	O					0.00
106.500	0.00	0.01	0.006	O					0.00
106.583	0.00	0.01	0.006	O					0.00
106.667	0.00	0.01	0.006	O					0.00
106.750	0.00	0.01	0.006	O					0.00
106.833	0.00	0.01	0.006	O					0.00
106.917	0.00	0.01	0.006	O					0.00
107.000	0.00	0.01	0.006	O					0.00
107.083	0.00	0.01	0.006	O					0.00
107.167	0.00	0.01	0.006	O					0.00
107.250	0.00	0.01	0.006	O					0.00
107.333	0.00	0.01	0.006	O					0.00
107.417	0.00	0.01	0.005	O					0.00
107.500	0.00	0.01	0.005	O					0.00
107.583	0.00	0.01	0.005	O					0.00
107.667	0.00	0.01	0.005	O					0.00

107.750	0.00	0.01	0.005	O	|	|	|	|	0.00
107.833	0.00	0.01	0.005	O	|	|	|	|	0.00
107.917	0.00	0.01	0.005	O	|	|	|	|	0.00
108.000	0.00	0.01	0.005	O	|	|	|	|	0.00
108.083	0.00	0.01	0.005	O	|	|	|	|	0.00
108.167	0.00	0.01	0.005	O	|	|	|	|	0.00
108.250	0.00	0.01	0.005	O	|	|	|	|	0.00
108.333	0.00	0.01	0.005	O	|	|	|	|	0.00
108.417	0.00	0.01	0.005	O	|	|	|	|	0.00
108.500	0.00	0.01	0.005	O	|	|	|	|	0.00
108.583	0.00	0.01	0.005	O	|	|	|	|	0.00
108.667	0.00	0.01	0.005	O	|	|	|	|	0.00
108.750	0.00	0.01	0.005	O	|	|	|	|	0.00
108.833	0.00	0.01	0.005	O	|	|	|	|	0.00
108.917	0.00	0.01	0.005	O	|	|	|	|	0.00
109.000	0.00	0.01	0.005	O	|	|	|	|	0.00
109.083	0.00	0.01	0.005	O	|	|	|	|	0.00
109.167	0.00	0.01	0.005	O	|	|	|	|	0.00
109.250	0.00	0.01	0.005	O	|	|	|	|	0.00
109.333	0.00	0.01	0.005	O	|	|	|	|	0.00
109.417	0.00	0.01	0.005	O	|	|	|	|	0.00
109.500	0.00	0.01	0.005	O	|	|	|	|	0.00
109.583	0.00	0.01	0.004	O	|	|	|	|	0.00
109.667	0.00	0.01	0.004	O	|	|	|	|	0.00
109.750	0.00	0.00	0.004	O	|	|	|	|	0.00
109.833	0.00	0.00	0.004	O	|	|	|	|	0.00
109.917	0.00	0.00	0.004	O	|	|	|	|	0.00
110.000	0.00	0.00	0.004	O	|	|	|	|	0.00
110.083	0.00	0.00	0.004	O	|	|	|	|	0.00
110.167	0.00	0.00	0.004	O	|	|	|	|	0.00
110.250	0.00	0.00	0.004	O	|	|	|	|	0.00
110.333	0.00	0.00	0.004	O	|	|	|	|	0.00
110.417	0.00	0.00	0.004	O	|	|	|	|	0.00
110.500	0.00	0.00	0.004	O	|	|	|	|	0.00
110.583	0.00	0.00	0.004	O	|	|	|	|	0.00
110.667	0.00	0.00	0.004	O	|	|	|	|	0.00
110.750	0.00	0.00	0.004	O	|	|	|	|	0.00
110.833	0.00	0.00	0.004	O	|	|	|	|	0.00
110.917	0.00	0.00	0.004	O	|	|	|	|	0.00
111.000	0.00	0.00	0.004	O	|	|	|	|	0.00
111.083	0.00	0.00	0.004	O	|	|	|	|	0.00
111.167	0.00	0.00	0.004	O	|	|	|	|	0.00
111.250	0.00	0.00	0.004	O	|	|	|	|	0.00
111.333	0.00	0.00	0.004	O	|	|	|	|	0.00
111.417	0.00	0.00	0.004	O	|	|	|	|	0.00
111.500	0.00	0.00	0.004	O	|	|	|	|	0.00
111.583	0.00	0.00	0.004	O	|	|	|	|	0.00
111.667	0.00	0.00	0.004	O	|	|	|	|	0.00
111.750	0.00	0.00	0.004	O	|	|	|	|	0.00
111.833	0.00	0.00	0.004	O	|	|	|	|	0.00
111.917	0.00	0.00	0.004	O	|	|	|	|	0.00
112.000	0.00	0.00	0.004	O	|	|	|	|	0.00
112.083	0.00	0.00	0.004	O	|	|	|	|	0.00
112.167	0.00	0.00	0.004	O	|	|	|	|	0.00
112.250	0.00	0.00	0.003	O	|	|	|	|	0.00
112.333	0.00	0.00	0.003	O	|	|	|	|	0.00
112.417	0.00	0.00	0.003	O	|	|	|	|	0.00
112.500	0.00	0.00	0.003	O	|	|	|	|	0.00
112.583	0.00	0.00	0.003	O	|	|	|	|	0.00
112.667	0.00	0.00	0.003	O	|	|	|	|	0.00
112.750	0.00	0.00	0.003	O	|	|	|	|	0.00
112.833	0.00	0.00	0.003	O	|	|	|	|	0.00
112.917	0.00	0.00	0.003	O	|	|	|	|	0.00
113.000	0.00	0.00	0.003	O	|	|	|	|	0.00
113.083	0.00	0.00	0.003	O	|	|	|	|	0.00
113.167	0.00	0.00	0.003	O	|	|	|	|	0.00
113.250	0.00	0.00	0.003	O	|	|	|	|	0.00
113.333	0.00	0.00	0.003	O	|	|	|	|	0.00

113.417	0.00	0.00	0.003	O	|	|	|	|	0.00
113.500	0.00	0.00	0.003	O	|	|	|	|	0.00
113.583	0.00	0.00	0.003	O	|	|	|	|	0.00
113.667	0.00	0.00	0.003	O	|	|	|	|	0.00
113.750	0.00	0.00	0.003	O	|	|	|	|	0.00
113.833	0.00	0.00	0.003	O	|	|	|	|	0.00
113.917	0.00	0.00	0.003	O	|	|	|	|	0.00
114.000	0.00	0.00	0.003	O	|	|	|	|	0.00
114.083	0.00	0.00	0.003	O	|	|	|	|	0.00
114.167	0.00	0.00	0.003	O	|	|	|	|	0.00
114.250	0.00	0.00	0.003	O	|	|	|	|	0.00
114.333	0.00	0.00	0.003	O	|	|	|	|	0.00
114.417	0.00	0.00	0.003	O	|	|	|	|	0.00
114.500	0.00	0.00	0.003	O	|	|	|	|	0.00
114.583	0.00	0.00	0.003	O	|	|	|	|	0.00
114.667	0.00	0.00	0.003	O	|	|	|	|	0.00
114.750	0.00	0.00	0.003	O	|	|	|	|	0.00
114.833	0.00	0.00	0.003	O	|	|	|	|	0.00
114.917	0.00	0.00	0.003	O	|	|	|	|	0.00
115.000	0.00	0.00	0.003	O	|	|	|	|	0.00
115.083	0.00	0.00	0.003	O	|	|	|	|	0.00
115.167	0.00	0.00	0.003	O	|	|	|	|	0.00
115.250	0.00	0.00	0.003	O	|	|	|	|	0.00
115.333	0.00	0.00	0.003	O	|	|	|	|	0.00
115.417	0.00	0.00	0.003	O	|	|	|	|	0.00
115.500	0.00	0.00	0.003	O	|	|	|	|	0.00
115.583	0.00	0.00	0.003	O	|	|	|	|	0.00
115.667	0.00	0.00	0.003	O	|	|	|	|	0.00
115.750	0.00	0.00	0.003	O	|	|	|	|	0.00
115.833	0.00	0.00	0.002	O	|	|	|	|	0.00
115.917	0.00	0.00	0.002	O	|	|	|	|	0.00
116.000	0.00	0.00	0.002	O	|	|	|	|	0.00
116.083	0.00	0.00	0.002	O	|	|	|	|	0.00
116.167	0.00	0.00	0.002	O	|	|	|	|	0.00
116.250	0.00	0.00	0.002	O	|	|	|	|	0.00
116.333	0.00	0.00	0.002	O	|	|	|	|	0.00
116.417	0.00	0.00	0.002	O	|	|	|	|	0.00
116.500	0.00	0.00	0.002	O	|	|	|	|	0.00
116.583	0.00	0.00	0.002	O	|	|	|	|	0.00
116.667	0.00	0.00	0.002	O	|	|	|	|	0.00
116.750	0.00	0.00	0.002	O	|	|	|	|	0.00
116.833	0.00	0.00	0.002	O	|	|	|	|	0.00
116.917	0.00	0.00	0.002	O	|	|	|	|	0.00
117.000	0.00	0.00	0.002	O	|	|	|	|	0.00
117.083	0.00	0.00	0.002	O	|	|	|	|	0.00
117.167	0.00	0.00	0.002	O	|	|	|	|	0.00
117.250	0.00	0.00	0.002	O	|	|	|	|	0.00
117.333	0.00	0.00	0.002	O	|	|	|	|	0.00
117.417	0.00	0.00	0.002	O	|	|	|	|	0.00
117.500	0.00	0.00	0.002	O	|	|	|	|	0.00
117.583	0.00	0.00	0.002	O	|	|	|	|	0.00
117.667	0.00	0.00	0.002	O	|	|	|	|	0.00
117.750	0.00	0.00	0.002	O	|	|	|	|	0.00
117.833	0.00	0.00	0.002	O	|	|	|	|	0.00
117.917	0.00	0.00	0.002	O	|	|	|	|	0.00
118.000	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 1416
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.246 (CFS)
Total volume = 14.466 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1	Stream 2	Stream 3	Stream 4	Stream 5

```
       Peak (CFS)      0.000     0.000     0.000     0.000     0.000
       Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
*******************************************************************************

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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/08/21 File: RVEXC242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used 2YR-24HR
EXISTING UH BASIN C
English Units used in output format

Drainage Area = 47.22(Ac.) = 0.074 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 47.22(Ac.) = 0.074 Sq. Mi.
Length along longest watercourse = 3940.00(Ft.)
Length along longest watercourse measured to centroid = 2045.00(Ft.)
Length along longest watercourse = 0.746 Mi.
Length along longest watercourse measured to centroid = 0.387 Mi.
Difference in elevation = 139.75(Ft.)
Slope along watercourse = 187.2792 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.222 Hr.
Lag time = 13.30 Min.
25% of lag time = 3.32 Min.
40% of lag time = 5.32 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	2.70	127.49

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
47.22	7.00	330.54

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
47.220	86.00	0.000

Total Area Entered = 47.22(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
86.0	71.6	0.343	0.000	0.343	1.000	0.343
					Sum (F) =	0.343

Area averaged mean soil loss (F) (In/Hr) = 0.343
Minimum soil loss rate ((In/Hr)) = 0.172
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	37.598	3.974	1.891
2	0.167	75.197	16.025	7.626
3	0.250	112.795	25.258	12.020
4	0.333	150.394	18.596	8.850
5	0.417	187.992	9.307	4.429
6	0.500	225.591	5.602	2.666
7	0.583	263.189	4.150	1.975
8	0.667	300.788	3.262	1.552
9	0.750	338.386	2.502	1.191
10	0.833	375.985	2.112	1.005
11	0.917	413.583	1.654	0.787
12	1.000	451.182	1.295	0.616
13	1.083	488.780	1.163	0.554
14	1.167	526.379	1.054	0.502
15	1.250	563.977	0.830	0.395
16	1.333	601.576	0.706	0.336
17	1.417	639.174	0.595	0.283
18	1.500	676.773	0.488	0.232
19	1.583	714.371	0.382	0.182
20	1.667	751.970	0.376	0.179
21	1.750	789.568	0.376	0.179
22	1.833	827.167	0.292	0.139
		Sum = 100.000	Sum=	47.589

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.608)	0.019	0.002
2	0.17	0.07	0.022	(0.606)	0.019	0.002
3	0.25	0.07	0.022	(0.604)	0.019	0.002
4	0.33	0.10	0.032	(0.601)	0.029	0.003
5	0.42	0.10	0.032	(0.599)	0.029	0.003
6	0.50	0.10	0.032	(0.597)	0.029	0.003
7	0.58	0.10	0.032	(0.594)	0.029	0.003
8	0.67	0.10	0.032	(0.592)	0.029	0.003

9	0.75	0.10	0.032	(0.590)	0.029	0.003
10	0.83	0.13	0.043	(0.587)	0.039	0.004
11	0.92	0.13	0.043	(0.585)	0.039	0.004
12	1.00	0.13	0.043	(0.583)	0.039	0.004
13	1.08	0.10	0.032	(0.580)	0.029	0.003
14	1.17	0.10	0.032	(0.578)	0.029	0.003
15	1.25	0.10	0.032	(0.576)	0.029	0.003
16	1.33	0.10	0.032	(0.573)	0.029	0.003
17	1.42	0.10	0.032	(0.571)	0.029	0.003
18	1.50	0.10	0.032	(0.569)	0.029	0.003
19	1.58	0.10	0.032	(0.567)	0.029	0.003
20	1.67	0.10	0.032	(0.564)	0.029	0.003
21	1.75	0.10	0.032	(0.562)	0.029	0.003
22	1.83	0.13	0.043	(0.560)	0.039	0.004
23	1.92	0.13	0.043	(0.558)	0.039	0.004
24	2.00	0.13	0.043	(0.555)	0.039	0.004
25	2.08	0.13	0.043	(0.553)	0.039	0.004
26	2.17	0.13	0.043	(0.551)	0.039	0.004
27	2.25	0.13	0.043	(0.549)	0.039	0.004
28	2.33	0.13	0.043	(0.546)	0.039	0.004
29	2.42	0.13	0.043	(0.544)	0.039	0.004
30	2.50	0.13	0.043	(0.542)	0.039	0.004
31	2.58	0.17	0.054	(0.540)	0.049	0.005
32	2.67	0.17	0.054	(0.537)	0.049	0.005
33	2.75	0.17	0.054	(0.535)	0.049	0.005
34	2.83	0.17	0.054	(0.533)	0.049	0.005
35	2.92	0.17	0.054	(0.531)	0.049	0.005
36	3.00	0.17	0.054	(0.529)	0.049	0.005
37	3.08	0.17	0.054	(0.526)	0.049	0.005
38	3.17	0.17	0.054	(0.524)	0.049	0.005
39	3.25	0.17	0.054	(0.522)	0.049	0.005
40	3.33	0.17	0.054	(0.520)	0.049	0.005
41	3.42	0.17	0.054	(0.518)	0.049	0.005
42	3.50	0.17	0.054	(0.516)	0.049	0.005
43	3.58	0.17	0.054	(0.513)	0.049	0.005
44	3.67	0.17	0.054	(0.511)	0.049	0.005
45	3.75	0.17	0.054	(0.509)	0.049	0.005
46	3.83	0.20	0.065	(0.507)	0.058	0.006
47	3.92	0.20	0.065	(0.505)	0.058	0.006
48	4.00	0.20	0.065	(0.503)	0.058	0.006
49	4.08	0.20	0.065	(0.501)	0.058	0.006
50	4.17	0.20	0.065	(0.498)	0.058	0.006
51	4.25	0.20	0.065	(0.496)	0.058	0.006
52	4.33	0.23	0.076	(0.494)	0.068	0.008
53	4.42	0.23	0.076	(0.492)	0.068	0.008
54	4.50	0.23	0.076	(0.490)	0.068	0.008
55	4.58	0.23	0.076	(0.488)	0.068	0.008
56	4.67	0.23	0.076	(0.486)	0.068	0.008
57	4.75	0.23	0.076	(0.484)	0.068	0.008
58	4.83	0.27	0.086	(0.482)	0.078	0.009
59	4.92	0.27	0.086	(0.480)	0.078	0.009
60	5.00	0.27	0.086	(0.477)	0.078	0.009
61	5.08	0.20	0.065	(0.475)	0.058	0.006
62	5.17	0.20	0.065	(0.473)	0.058	0.006
63	5.25	0.20	0.065	(0.471)	0.058	0.006
64	5.33	0.23	0.076	(0.469)	0.068	0.008
65	5.42	0.23	0.076	(0.467)	0.068	0.008
66	5.50	0.23	0.076	(0.465)	0.068	0.008
67	5.58	0.27	0.086	(0.463)	0.078	0.009
68	5.67	0.27	0.086	(0.461)	0.078	0.009
69	5.75	0.27	0.086	(0.459)	0.078	0.009
70	5.83	0.27	0.086	(0.457)	0.078	0.009
71	5.92	0.27	0.086	(0.455)	0.078	0.009
72	6.00	0.27	0.086	(0.453)	0.078	0.009
73	6.08	0.30	0.097	(0.451)	0.087	0.010
74	6.17	0.30	0.097	(0.449)	0.087	0.010
75	6.25	0.30	0.097	(0.447)	0.087	0.010
76	6.33	0.30	0.097	(0.445)	0.087	0.010
77	6.42	0.30	0.097	(0.443)	0.087	0.010
78	6.50	0.30	0.097	(0.441)	0.087	0.010
79	6.58	0.33	0.108	(0.439)	0.097	0.011
80	6.67	0.33	0.108	(0.437)	0.097	0.011
81	6.75	0.33	0.108	(0.435)	0.097	0.011
82	6.83	0.33	0.108	(0.433)	0.097	0.011
83	6.92	0.33	0.108	(0.431)	0.097	0.011
84	7.00	0.33	0.108	(0.429)	0.097	0.011
85	7.08	0.33	0.108	(0.427)	0.097	0.011
86	7.17	0.33	0.108	(0.425)	0.097	0.011
87	7.25	0.33	0.108	(0.423)	0.097	0.011
88	7.33	0.37	0.119	(0.421)	0.107	0.012
89	7.42	0.37	0.119	(0.419)	0.107	0.012
90	7.50	0.37	0.119	(0.417)	0.107	0.012
91	7.58	0.40	0.130	(0.416)	0.117	0.013
92	7.67	0.40	0.130	(0.414)	0.117	0.013
93	7.75	0.40	0.130	(0.412)	0.117	0.013
94	7.83	0.43	0.140	(0.410)	0.126	0.014
95	7.92	0.43	0.140	(0.408)	0.126	0.014
96	8.00	0.43	0.140	(0.406)	0.126	0.014
97	8.08	0.50	0.162	(0.404)	0.146	0.016
98	8.17	0.50	0.162	(0.402)	0.146	0.016
99	8.25	0.50	0.162	(0.400)	0.146	0.016
100	8.33	0.50	0.162	(0.399)	0.146	0.016
101	8.42	0.50	0.162	(0.397)	0.146	0.016
102	8.50	0.50	0.162	(0.395)	0.146	0.016
103	8.58	0.53	0.173	(0.393)	0.156	0.017
104	8.67	0.53	0.173	(0.391)	0.156	0.017
105	8.75	0.53	0.173	(0.389)	0.156	0.017
106	8.83	0.57	0.184	(0.387)	0.165	0.018
107	8.92	0.57	0.184	(0.386)	0.165	0.018
108	9.00	0.57	0.184	(0.384)	0.165	0.018
109	9.08	0.63	0.205	(0.382)	0.185	0.021
110	9.17	0.63	0.205	(0.380)	0.185	0.021
111	9.25	0.63	0.205	(0.378)	0.185	0.021
112	9.33	0.67	0.216	(0.377)	0.194	0.022
113	9.42	0.67	0.216	(0.375)	0.194	0.022
114	9.50	0.67	0.216	(0.373)	0.194	0.022
115	9.58	0.70	0.227	(0.371)	0.204	0.023
116	9.67	0.70	0.227	(0.369)	0.204	0.023
117	9.75	0.70	0.227	(0.368)	0.204	0.023
118	9.83	0.73	0.238	(0.366)	0.214	0.024
119	9.92	0.73	0.238	(0.364)	0.214	0.024
120	10.00	0.73	0.238	(0.362)	0.214	0.024
121	10.08	0.50	0.162	(0.361)	0.146	0.016
122	10.17	0.50	0.162	(0.359)	0.146	0.016
123	10.25	0.50	0.162	(0.357)	0.146	0.016
124	10.33	0.50	0.162	(0.355)	0.146	0.016
125	10.42	0.50	0.162	(0.354)	0.146	0.016
126	10.50	0.50	0.162	(0.352)	0.146	0.016
127	10.58	0.67	0.216	(0.350)	0.194	0.022
128	10.67	0.67	0.216	(0.348)	0.194	0.022

129	10.75	0.67	0.216	(0.347)	0.194	0.022
130	10.83	0.67	0.216	(0.345)	0.194	0.022
131	10.92	0.67	0.216	(0.343)	0.194	0.022
132	11.00	0.67	0.216	(0.342)	0.194	0.022
133	11.08	0.63	0.205	(0.340)	0.185	0.021
134	11.17	0.63	0.205	(0.338)	0.185	0.021
135	11.25	0.63	0.205	(0.337)	0.185	0.021
136	11.33	0.63	0.205	(0.335)	0.185	0.021
137	11.42	0.63	0.205	(0.333)	0.185	0.021
138	11.50	0.63	0.205	(0.332)	0.185	0.021
139	11.58	0.57	0.184	(0.330)	0.165	0.018
140	11.67	0.57	0.184	(0.328)	0.165	0.018
141	11.75	0.57	0.184	(0.327)	0.165	0.018
142	11.83	0.60	0.194	(0.325)	0.175	0.019
143	11.92	0.60	0.194	(0.324)	0.175	0.019
144	12.00	0.60	0.194	(0.322)	0.175	0.019
145	12.08	0.83	0.270	(0.320)	0.243	0.027
146	12.17	0.83	0.270	(0.319)	0.243	0.027
147	12.25	0.83	0.270	(0.317)	0.243	0.027
148	12.33	0.87	0.281	(0.316)	0.253	0.028
149	12.42	0.87	0.281	(0.314)	0.253	0.028
150	12.50	0.87	0.281	(0.312)	0.253	0.028
151	12.58	0.93	0.302	(0.311)	0.272	0.030
152	12.67	0.93	0.302	(0.309)	0.272	0.030
153	12.75	0.93	0.302	(0.308)	0.272	0.030
154	12.83	0.97	0.313	(0.306)	0.282	0.031
155	12.92	0.97	0.313	(0.305)	0.282	0.031
156	13.00	0.97	0.313	(0.303)	0.282	0.031
157	13.08	1.13	0.367	0.301	(0.330)	0.066
158	13.17	1.13	0.367	0.300	(0.330)	0.067
159	13.25	1.13	0.367	0.298	(0.330)	0.069
160	13.33	1.13	0.367	0.297	(0.330)	0.070
161	13.42	1.13	0.367	0.295	(0.330)	0.072
162	13.50	1.13	0.367	0.294	(0.330)	0.073
163	13.58	0.77	0.248	(0.292)	0.224	0.025
164	13.67	0.77	0.248	(0.291)	0.224	0.025
165	13.75	0.77	0.248	(0.289)	0.224	0.025
166	13.83	0.77	0.248	(0.288)	0.224	0.025
167	13.92	0.77	0.248	(0.286)	0.224	0.025
168	14.00	0.77	0.248	(0.285)	0.224	0.025
169	14.08	0.90	0.292	(0.284)	0.262	0.029
170	14.17	0.90	0.292	(0.282)	0.262	0.029
171	14.25	0.90	0.292	(0.281)	0.262	0.029
172	14.33	0.87	0.281	(0.279)	0.253	0.028
173	14.42	0.87	0.281	(0.278)	0.253	0.028
174	14.50	0.87	0.281	(0.276)	0.253	0.028
175	14.58	0.87	0.281	(0.275)	0.253	0.028
176	14.67	0.87	0.281	(0.274)	0.253	0.028
177	14.75	0.87	0.281	(0.272)	0.253	0.028
178	14.83	0.83	0.270	(0.271)	0.243	0.027
179	14.92	0.83	0.270	(0.269)	0.243	0.027
180	15.00	0.83	0.270	(0.268)	0.243	0.027
181	15.08	0.80	0.259	(0.267)	0.233	0.026
182	15.17	0.80	0.259	(0.265)	0.233	0.026
183	15.25	0.80	0.259	(0.264)	0.233	0.026
184	15.33	0.77	0.248	(0.263)	0.224	0.025
185	15.42	0.77	0.248	(0.261)	0.224	0.025
186	15.50	0.77	0.248	(0.260)	0.224	0.025
187	15.58	0.63	0.205	(0.259)	0.185	0.021
188	15.67	0.63	0.205	(0.257)	0.185	0.021
189	15.75	0.63	0.205	(0.256)	0.185	0.021
190	15.83	0.63	0.205	(0.255)	0.185	0.021
191	15.92	0.63	0.205	(0.253)	0.185	0.021
192	16.00	0.63	0.205	(0.252)	0.185	0.021
193	16.08	0.13	0.043	(0.251)	0.039	0.004
194	16.17	0.13	0.043	(0.249)	0.039	0.004
195	16.25	0.13	0.043	(0.248)	0.039	0.004
196	16.33	0.13	0.043	(0.247)	0.039	0.004
197	16.42	0.13	0.043	(0.246)	0.039	0.004
198	16.50	0.13	0.043	(0.244)	0.039	0.004
199	16.58	0.10	0.032	(0.243)	0.029	0.003
200	16.67	0.10	0.032	(0.242)	0.029	0.003
201	16.75	0.10	0.032	(0.241)	0.029	0.003
202	16.83	0.10	0.032	(0.239)	0.029	0.003
203	16.92	0.10	0.032	(0.238)	0.029	0.003
204	17.00	0.10	0.032	(0.237)	0.029	0.003
205	17.08	0.17	0.054	(0.236)	0.049	0.005
206	17.17	0.17	0.054	(0.235)	0.049	0.005
207	17.25	0.17	0.054	(0.233)	0.049	0.005
208	17.33	0.17	0.054	(0.232)	0.049	0.005
209	17.42	0.17	0.054	(0.231)	0.049	0.005
210	17.50	0.17	0.054	(0.230)	0.049	0.005
211	17.58	0.17	0.054	(0.229)	0.049	0.005
212	17.67	0.17	0.054	(0.228)	0.049	0.005
213	17.75	0.17	0.054	(0.227)	0.049	0.005
214	17.83	0.13	0.043	(0.225)	0.039	0.004
215	17.92	0.13	0.043	(0.224)	0.039	0.004
216	18.00	0.13	0.043	(0.223)	0.039	0.004
217	18.08	0.13	0.043	(0.222)	0.039	0.004
218	18.17	0.13	0.043	(0.221)	0.039	0.004
219	18.25	0.13	0.043	(0.220)	0.039	0.004
220	18.33	0.13	0.043	(0.219)	0.039	0.004
221	18.42	0.13	0.043	(0.218)	0.039	0.004
222	18.50	0.13	0.043	(0.217)	0.039	0.004
223	18.58	0.10	0.032	(0.216)	0.029	0.003
224	18.67	0.10	0.032	(0.215)	0.029	0.003
225	18.75	0.10	0.032	(0.214)	0.029	0.003
226	18.83	0.07	0.022	(0.213)	0.019	0.002
227	18.92	0.07	0.022	(0.212)	0.019	0.002
228	19.00	0.07	0.022	(0.211)	0.019	0.002
229	19.08	0.10	0.032	(0.210)	0.029	0.003
230	19.17	0.10	0.032	(0.209)	0.029	0.003
231	19.25	0.10	0.032	(0.208)	0.029	0.003
232	19.33	0.13	0.043	(0.207)	0.039	0.004
233	19.42	0.13	0.043	(0.206)	0.039	0.004
234	19.50	0.13	0.043	(0.205)	0.039	0.004
235	19.58	0.10	0.032	(0.204)	0.029	0.003
236	19.67	0.10	0.032	(0.203)	0.029	0.003
237	19.75	0.10	0.032	(0.202)	0.029	0.003
238	19.83	0.07	0.022	(0.201)	0.019	0.002
239	19.92	0.07	0.022	(0.200)	0.019	0.002
240	20.00	0.07	0.022	(0.199)	0.019	0.002
241	20.08	0.10	0.032	(0.198)	0.029	0.003
242	20.17	0.10	0.032	(0.197)	0.029	0.003
243	20.25	0.10	0.032	(0.197)	0.029	0.003
244	20.33	0.10	0.032	(0.196)	0.029	0.003
245	20.42	0.10	0.032	(0.195)	0.029	0.003
246	20.50	0.10	0.032	(0.194)	0.029	0.003
247	20.58	0.10	0.032	(0.193)	0.029	0.003
248	20.67	0.10	0.032	(0.192)	0.029	0.003

249	20.75	0.10	0.032	(0.192)	0.029	0.003
250	20.83	0.07	0.022	(0.191)	0.019	0.002
251	20.92	0.07	0.022	(0.190)	0.019	0.002
252	21.00	0.07	0.022	(0.189)	0.019	0.002
253	21.08	0.10	0.032	(0.189)	0.029	0.003
254	21.17	0.10	0.032	(0.188)	0.029	0.003
255	21.25	0.10	0.032	(0.187)	0.029	0.003
256	21.33	0.07	0.022	(0.186)	0.019	0.002
257	21.42	0.07	0.022	(0.186)	0.019	0.002
258	21.50	0.07	0.022	(0.185)	0.019	0.002
259	21.58	0.10	0.032	(0.184)	0.029	0.003
260	21.67	0.10	0.032	(0.184)	0.029	0.003
261	21.75	0.10	0.032	(0.183)	0.029	0.003
262	21.83	0.07	0.022	(0.182)	0.019	0.002
263	21.92	0.07	0.022	(0.182)	0.019	0.002
264	22.00	0.07	0.022	(0.181)	0.019	0.002
265	22.08	0.10	0.032	(0.181)	0.029	0.003
266	22.17	0.10	0.032	(0.180)	0.029	0.003
267	22.25	0.10	0.032	(0.179)	0.029	0.003
268	22.33	0.07	0.022	(0.179)	0.019	0.002
269	22.42	0.07	0.022	(0.178)	0.019	0.002
270	22.50	0.07	0.022	(0.178)	0.019	0.002
271	22.58	0.07	0.022	(0.177)	0.019	0.002
272	22.67	0.07	0.022	(0.177)	0.019	0.002
273	22.75	0.07	0.022	(0.176)	0.019	0.002
274	22.83	0.07	0.022	(0.176)	0.019	0.002
275	22.92	0.07	0.022	(0.175)	0.019	0.002
276	23.00	0.07	0.022	(0.175)	0.019	0.002
277	23.08	0.07	0.022	(0.175)	0.019	0.002
278	23.17	0.07	0.022	(0.174)	0.019	0.002
279	23.25	0.07	0.022	(0.174)	0.019	0.002
280	23.33	0.07	0.022	(0.173)	0.019	0.002
281	23.42	0.07	0.022	(0.173)	0.019	0.002
282	23.50	0.07	0.022	(0.173)	0.019	0.002
283	23.58	0.07	0.022	(0.173)	0.019	0.002
284	23.67	0.07	0.022	(0.172)	0.019	0.002
285	23.75	0.07	0.022	(0.172)	0.019	0.002
286	23.83	0.07	0.022	(0.172)	0.019	0.002
287	23.92	0.07	0.022	(0.172)	0.019	0.002
288	24.00	0.07	0.022	(0.172)	0.019	0.002

(Loss Rate Not Used)

Sum = 100.0 Sum = 3.4

Flood volume = Effective rainfall 0.29(In)
times area 47.2(Ac.)/[(In)/(Ft.)] = 1.1(Ac.Ft)
Total soil loss = 2.41(In)
Total soil loss = 9.497(Ac.Ft)
Total rainfall = 2.70(In)
Flood volume = 49085.7 Cubic Feet
Total soil loss = 413674.8 Cubic Feet

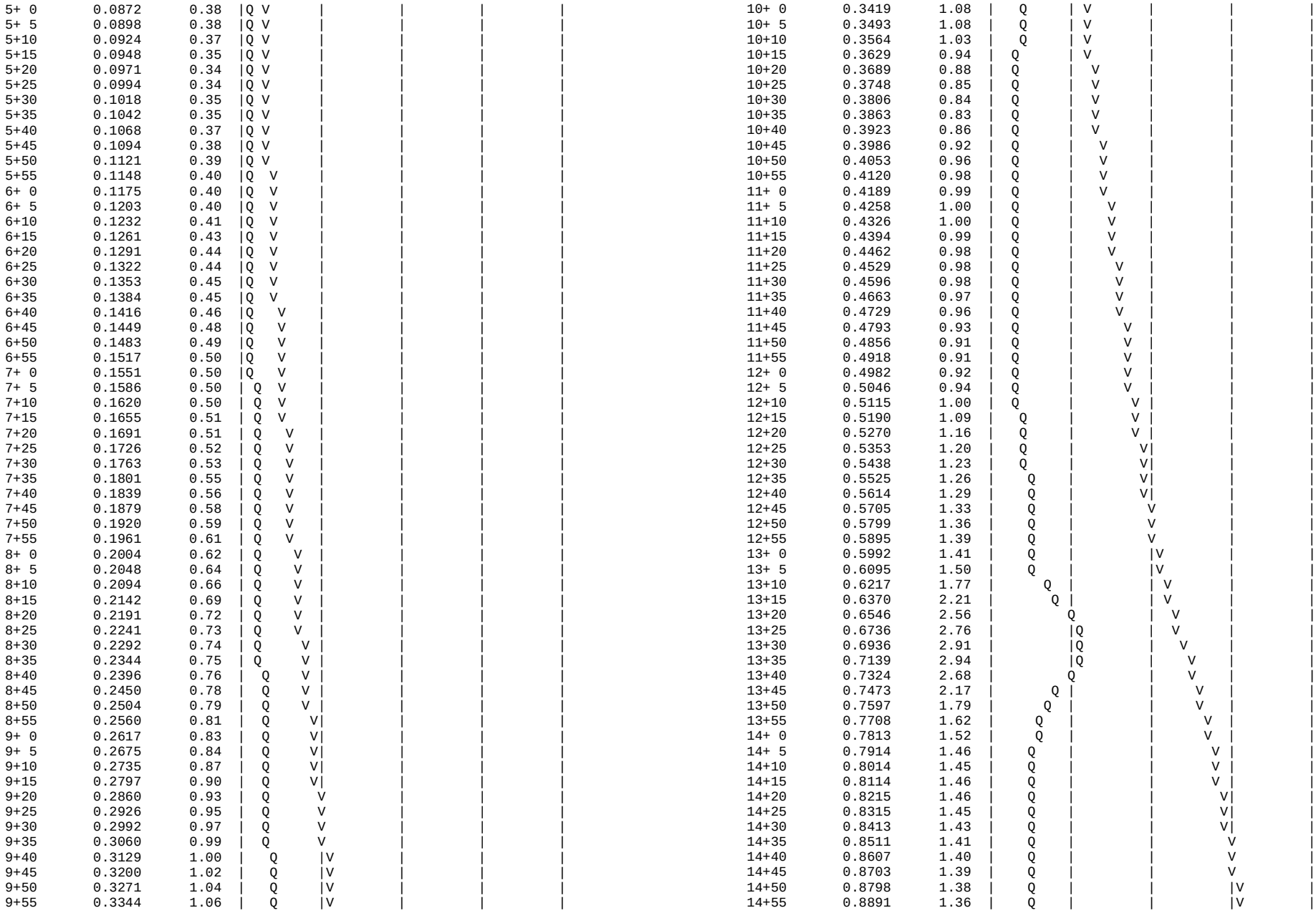
Peak flow rate of this hydrograph = 2.945(CFS)

++

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				
0+10	0.0002	0.02	Q				
0+15	0.0005	0.05	Q				
0+20	0.0010	0.07	Q				
0+25	0.0015	0.09	Q				
0+30	0.0023	0.10	Q				
0+35	0.0031	0.12	Q				
0+40	0.0039	0.13	Q				
0+45	0.0049	0.13	Q				
0+50	0.0058	0.14	Q				
0+55	0.0068	0.15	Q				
1+ 0	0.0080	0.17	Q				
1+ 5	0.0092	0.18	Q				
1+10	0.0104	0.17	Q				
1+15	0.0115	0.16	Q				
1+20	0.0126	0.16	Q				
1+25	0.0137	0.16	Q				
1+30	0.0148	0.16	Q				
1+35	0.0158	0.16	Q				
1+40	0.0169	0.16	Q				
1+45	0.0180	0.16	Q				
1+50	0.0191	0.16	Q				
1+55	0.0202	0.17	Q				
2+ 0	0.0214	0.18	Q				
2+ 5	0.0227	0.19	Q				
2+10	0.0241	0.19	Q				
2+15	0.0254	0.20	Q				
2+20	0.0268	0.20	Q				
2+25	0.0282	0.20	Q				
2+30	0.0295	0.20	QV				
2+35	0.0309	0.20	QV				
2+40	0.0324	0.21	QV				
2+45	0.0340	0.23	QV				
2+50	0.0356	0.24	QV				
2+55	0.0372	0.24	QV				
3+ 0	0.0389	0.24	QV				
3+ 5	0.0406	0.25	QV				
3+10	0.0423	0.25	QV				
3+15	0.0441	0.25	|Q				
3+20	0.0458	0.25	|Q				
3+25	0.0475	0.25	|Q				
3+30	0.0493	0.25	|Q				
3+35	0.0510	0.25	|Q				
3+40	0.0528	0.26	|Q				
3+45	0.0546	0.26	|Q				
3+50	0.0563	0.26	|Q				
3+55	0.0582	0.27	|QV				
4+ 0	0.0601	0.28	|QV				
4+ 5	0.0621	0.29	|QV				
4+10	0.0641	0.29	|QV				
4+15	0.0662	0.30	|QV				
4+20	0.0682	0.30	|QV				
4+25	0.0704	0.31	|QV				
4+30	0.0726	0.33	|QV				
4+35	0.0749	0.34	|QV				
4+40	0.0773	0.34	|QV				
4+45	0.0797	0.35	|QV				
4+50	0.0821	0.35	|QV				
4+55	0.0846	0.36	|Q V				



15+ 0	0.8983	1.34	Q	|	|	V	|	20+ 0	1.0829	0.14	Q	|	|	|	V	|
15+ 5	0.9074	1.32	Q	|	|	V	|	20+ 5	1.0838	0.13	Q	|	|	|	V	|
15+10	0.9164	1.30	Q	|	|	V	|	20+10	1.0847	0.13	Q	|	|	|	V	|
15+15	0.9252	1.28	Q	|	|	V	|	20+15	1.0857	0.14	Q	|	|	|	V	|
15+20	0.9338	1.26	Q	|	|	V	|	20+20	1.0867	0.15	Q	|	|	|	V	|
15+25	0.9424	1.24	Q	|	|	V	|	20+25	1.0877	0.15	Q	|	|	|	V	|
15+30	0.9508	1.23	Q	|	|	V	|	20+30	1.0887	0.15	Q	|	|	|	V	|
15+35	0.9591	1.21	Q	|	|	V	|	20+35	1.0898	0.15	Q	|	|	|	V	|
15+40	0.9672	1.17	Q	|	|	V	|	20+40	1.0908	0.15	Q	|	|	|	V	|
15+45	0.9748	1.11	Q	|	|	V	|	20+45	1.0919	0.15	Q	|	|	|	V	|
15+50	0.9822	1.07	Q	|	|	V	|	20+50	1.0929	0.15	Q	|	|	|	V	|
15+55	0.9894	1.05	Q	|	|	V	|	20+55	1.0939	0.14	Q	|	|	|	V	|
16+ 0	0.9965	1.03	Q	|	|	V	|	21+ 0	1.0948	0.13	Q	|	|	|	V	|
16+ 5	1.0033	0.99	Q	|	|	V	|	21+ 5	1.0956	0.12	Q	|	|	|	V	|
16+10	1.0092	0.86	Q	|	|	V	|	21+10	1.0965	0.13	Q	|	|	|	V	|
16+15	1.0137	0.66	Q	|	|	V	|	21+15	1.0974	0.14	Q	|	|	|	V	|
16+20	1.0172	0.51	Q	|	|	V	|	21+20	1.0984	0.14	Q	|	|	|	V	|
16+25	1.0202	0.43	Q	|	|	V	|	21+25	1.0993	0.14	Q	|	|	|	V	|
16+30	1.0228	0.38	Q	|	|	V	|	21+30	1.1002	0.13	Q	|	|	|	V	|
16+35	1.0252	0.35	Q	|	|	V	|	21+35	1.1010	0.12	Q	|	|	|	V	|
16+40	1.0274	0.31	Q	|	|	V	|	21+40	1.1019	0.12	Q	|	|	|	V	|
16+45	1.0293	0.28	Q	|	|	V	|	21+45	1.1028	0.13	Q	|	|	|	V	|
16+50	1.0310	0.25	Q	|	|	V	|	21+50	1.1038	0.14	Q	|	|	|	V	|
16+55	1.0326	0.23	Q	|	|	V	|	21+55	1.1047	0.14	Q	|	|	|	V	|
17+ 0	1.0341	0.22	Q	|	|	V	|	22+ 0	1.1055	0.12	Q	|	|	|	V	|
17+ 5	1.0355	0.21	Q	|	|	V	|	22+ 5	1.1064	0.12	Q	|	|	|	V	|
17+10	1.0370	0.21	Q	|	|	V	|	22+10	1.1072	0.12	Q	|	|	|	V	|
17+15	1.0386	0.23	Q	|	|	V	|	22+15	1.1081	0.13	Q	|	|	|	V	|
17+20	1.0403	0.24	Q	|	|	V	|	22+20	1.1091	0.14	Q	|	|	|	V	|
17+25	1.0420	0.25	Q	|	|	V	|	22+25	1.1100	0.13	Q	|	|	|	V	|
17+30	1.0437	0.25	Q	|	|	V	|	22+30	1.1109	0.12	Q	|	|	|	V	|
17+35	1.0454	0.25	Q	|	|	V	|	22+35	1.1117	0.12	Q	|	|	|	V	|
17+40	1.0471	0.25	Q	|	|	V	|	22+40	1.1124	0.11	Q	|	|	|	V	|
17+45	1.0489	0.25	Q	|	|	V	|	22+45	1.1132	0.11	Q	|	|	|	V	|
17+50	1.0506	0.25	Q	|	|	V	|	22+50	1.1139	0.11	Q	|	|	|	V	|
17+55	1.0522	0.24	Q	|	|	V	|	22+55	1.1147	0.11	Q	|	|	|	V	|
18+ 0	1.0538	0.23	Q	|	|	V	|	23+ 0	1.1154	0.11	Q	|	|	|	V	|
18+ 5	1.0553	0.22	Q	|	|	V	|	23+ 5	1.1161	0.11	Q	|	|	|	V	|
18+10	1.0568	0.22	Q	|	|	V	|	23+10	1.1169	0.11	Q	|	|	|	V	|
18+15	1.0583	0.21	Q	|	|	V	|	23+15	1.1176	0.10	Q	|	|	|	V	|
18+20	1.0597	0.21	Q	|	|	V	|	23+20	1.1183	0.10	Q	|	|	|	V	|
18+25	1.0612	0.21	Q	|	|	V	|	23+25	1.1190	0.10	Q	|	|	|	V	|
18+30	1.0626	0.21	Q	|	|	V	|	23+30	1.1197	0.10	Q	|	|	|	V	|
18+35	1.0640	0.21	Q	|	|	V	|	23+35	1.1205	0.10	Q	|	|	|	V	|
18+40	1.0654	0.20	Q	|	|	V	|	23+40	1.1212	0.10	Q	|	|	|	V	|
18+45	1.0667	0.19	Q	|	|	V	|	23+45	1.1219	0.10	Q	|	|	|	V	|
18+50	1.0679	0.17	Q	|	|	V	|	23+50	1.1226	0.10	Q	|	|	|	V	|
18+55	1.0690	0.16	Q	|	|	V	|	23+55	1.1233	0.10	Q	|	|	|	V	|
19+ 0	1.0700	0.14	Q	|	|	V	|	24+ 0	1.1240	0.10	Q	|	|	|	V	|
19+ 5	1.0709	0.13	Q	|	|	V	|	24+ 5	1.1247	0.10	Q	|	|	|	V	|
19+10	1.0718	0.14	Q	|	|	V	|	24+10	1.1253	0.08	Q	|	|	|	V	|
19+15	1.0728	0.14	Q	|	|	V	|	24+15	1.1257	0.06	Q	|	|	|	V	|
19+20	1.0739	0.15	Q	|	|	V	|	24+20	1.1259	0.04	Q	|	|	|	V	|
19+25	1.0750	0.16	Q	|	|	V	|	24+25	1.1261	0.03	Q	|	|	|	V	|
19+30	1.0762	0.18	Q	|	|	V	|	24+30	1.1262	0.02	Q	|	|	|	V	|
19+35	1.0774	0.18	Q	|	|	V	|	24+35	1.1264	0.02	Q	|	|	|	V	|
19+40	1.0787	0.18	Q	|	|	V	|	24+40	1.1265	0.01	Q	|	|	|	V	|
19+45	1.0799	0.17	Q	|	|	V	|	24+45	1.1265	0.01	Q	|	|	|	V	|
19+50	1.0810	0.16	Q	|	|	V	|	24+50	1.1266	0.01	Q	|	|	|	V	|
19+55	1.0820	0.15	Q	|	|	V	|	24+55	1.1267	0.01	Q	|	|	|	V	|

```
   25+ 0       1.1267      0.01  Q         |         |         |        V|
   25+ 5       1.1267      0.01  Q         |         |         |        V|
   25+10       1.1268      0.00  Q         |         |         |        V|
   25+15       1.1268      0.00  Q         |         |         |        V|
   25+20       1.1268      0.00  Q         |         |         |        V|
   25+25       1.1268      0.00  Q         |         |         |        V|
   25+30       1.1268      0.00  Q         |         |         |        V|
   25+35       1.1268      0.00  Q         |         |         |        V|
   25+40       1.1269      0.00  Q         |         |         |        V|
   25+45       1.1269      0.00  Q         |         |         |        V|
-------------------------------------------------------------------------
```

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRC242.rte

**********HYDROGRAPH DATA**********

Number of intervals = 295
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 6.098 (CFS)
Total volume = 3.722 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN C- ROUTING
2YR-24HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 295
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.310	0.690	0.308	0.312
2.000	0.660	1.060	0.656	0.664
3.000	1.070	1.330	1.065	1.075
4.000	1.540	1.550	1.535	1.545
4.200	1.640	1.590	1.635	1.645
5.000	2.070	3.520	2.058	2.082
6.000	2.660	4.910	2.643	2.677
7.000	3.310	85.840	3.014	3.606

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 1.5 3.05 4.57 6.10	Depth (Ft.)
0.083	0.07	0.00	0.000	O | | | |	0.00
0.167	0.24	0.00	0.001	OI | | | |	0.00

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0.250    0.30    0.01      0.003  OI      |       |       |       |     0.01
0.333    0.36    0.01      0.005  OI      |       |       |       |     0.02
0.417    0.46    0.02      0.008  O I     |       |       |       |     0.03
0.500    0.50    0.03      0.011  O I     |       |       |       |     0.04
0.583    0.52    0.03      0.015  O I     |       |       |       |     0.05
0.667    0.53    0.04      0.018  O I     |       |       |       |     0.06
0.750    0.53    0.05      0.021  O I     |       |       |       |     0.07
0.833    0.57    0.06      0.025  O  I    |       |       |       |     0.08
0.917    0.66    0.06      0.029  O  I    |       |       |       |     0.09
1.000    0.69    0.07      0.033  O  I    |       |       |       |     0.11
1.083    0.67    0.08      0.037  O  I    |       |       |       |     0.12
1.167    0.59    0.09      0.041  O  I    |       |       |       |     0.13
1.250    0.56    0.10      0.044  O I     |       |       |       |     0.14
1.333    0.56    0.10      0.047  O I     |       |       |       |     0.15
1.417    0.55    0.11      0.050  O I     |       |       |       |     0.16
1.500    0.55    0.12      0.053  O I     |       |       |       |     0.17
1.583    0.54    0.12      0.056  O I     |       |       |       |     0.18
1.667    0.54    0.13      0.059  O I     |       |       |       |     0.19
1.750    0.54    0.14      0.062  O I     |       |       |       |     0.20
1.833    0.58    0.14      0.065  O  I    |       |       |       |     0.21
1.917    0.66    0.15      0.068  O  I    |       |       |       |     0.22
2.000    0.69    0.16      0.071  O  I    |       |       |       |     0.23
2.083    0.70    0.17      0.075  O  I    |       |       |       |     0.24
2.167    0.71    0.18      0.079  O  I    |       |       |       |     0.25
2.250    0.72    0.18      0.082  O  I    |       |       |       |     0.27
2.333    0.72    0.19      0.086  |O I    |       |       |       |     0.28
2.417    0.72    0.20      0.090  |O I    |       |       |       |     0.29
2.500    0.72    0.21      0.093  |O I    |       |       |       |     0.30
2.583    0.76    0.22      0.097  |O I    |       |       |       |     0.31
2.667    0.84    0.22      0.101  |O  I   |       |       |       |     0.33
2.750    0.87    0.23      0.105  |O  I   |       |       |       |     0.34
2.833    0.88    0.24      0.110  |O  I   |       |       |       |     0.35
2.917    0.89    0.25      0.114  |O  I   |       |       |       |     0.37
3.000    0.90    0.26      0.118  |O  I   |       |       |       |     0.38
3.083    0.90    0.27      0.123  |O  I   |       |       |       |     0.40
3.167    0.90    0.28      0.127  |O  I   |       |       |       |     0.41
3.250    0.90    0.29      0.131  |O  I   |       |       |       |     0.42
3.333    0.90    0.30      0.135  |O  I   |       |       |       |     0.44
3.417    0.90    0.31      0.139  |O  I   |       |       |       |     0.45
3.500    0.90    0.32      0.144  |O  I   |       |       |       |     0.46
3.583    0.90    0.33      0.147  |O  I   |       |       |       |     0.48
3.667    0.90    0.34      0.151  |O  I   |       |       |       |     0.49
3.750    0.90    0.35      0.155  |O  I   |       |       |       |     0.50
3.833    0.94    0.35      0.159  |O  I   |       |       |       |     0.51
3.917    1.02    0.36      0.163  |O   I  |       |       |       |     0.53
4.000    1.05    0.37      0.168  |O   I  |       |       |       |     0.54
4.083    1.06    0.38      0.173  | O  I  |       |       |       |     0.56
4.167    1.07    0.39      0.177  | O  I  |       |       |       |     0.57
4.250    1.08    0.41      0.182  | O  I  |       |       |       |     0.59
4.333    1.11    0.42      0.187  | O  I  |       |       |       |     0.60
4.417    1.20    0.43      0.192  | O   I |       |       |       |     0.62
4.500    1.23    0.44      0.197  | O   I |       |       |       |     0.64
4.583    1.24    0.45      0.203  | O   I |       |       |       |     0.65
4.667    1.25    0.46      0.208  | O   I |       |       |       |     0.67
4.750    1.26    0.48      0.213  | O   I |       |       |       |     0.69
4.833    1.29    0.49      0.219  | O   I |       |       |       |     0.71
4.917    1.38    0.50      0.225  | O    I|       |       |       |     0.73
5.000    1.41    0.51      0.231  | O    I|       |       |       |     0.74
5.083    1.35    0.53      0.237  | O    I|       |       |       |     0.76
5.167    1.19    0.54      0.242  | O   I |       |       |       |     0.78
5.250    1.14    0.55      0.246  | O  I  |       |       |       |     0.79
5.333    1.15    0.56      0.250  | O   I |       |       |       |     0.81
5.417    1.22    0.57      0.255  | O   I |       |       |       |     0.82
5.500    1.24    0.58      0.259  |  O  I |       |       |       |     0.84
5.583    1.28    0.59      0.264  |  O  I |       |       |       |     0.85
5.667    1.37    0.60      0.269  |  O   I|       |       |       |     0.87
5.750    1.41    0.61      0.274  |  O   I|       |       |       |     0.88
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 5.833    1.42    0.62      0.280  |  O   I|       |       |       |     0.90
 5.917    1.43    0.63      0.285  |  O   I|       |       |       |     0.92
 6.000    1.44    0.65      0.291  |  O   I|       |       |       |     0.94
 6.083    1.47    0.66      0.296  |  O   I|       |       |       |     0.96
 6.167    1.56    0.67      0.302  |  O    I       |       |       |     0.97
 6.250    1.59    0.69      0.308  |  O    I       |       |       |     0.99
 6.333    1.60    0.69      0.315  |  O    I       |       |       |     1.01
 6.417    1.61    0.70      0.321  |  O    I       |       |       |     1.03
 6.500    1.62    0.71      0.327  |  O    I       |       |       |     1.05
 6.583    1.65    0.71      0.333  |  O    I       |       |       |     1.07
 6.667    1.74    0.72      0.340  |  O    |I      |       |       |     1.09
 6.750    1.77    0.73      0.347  |  O    |I      |       |       |     1.11
 6.833    1.78    0.74      0.354  |  O    |I      |       |       |     1.13
 6.917    1.79    0.74      0.362  |  O    |I      |       |       |     1.15
 7.000    1.80    0.75      0.369  |  O    |I      |       |       |     1.17
 7.083    1.80    0.76      0.376  |  O    |I      |       |       |     1.19
 7.167    1.80    0.77      0.383  |   O   |I      |       |       |     1.21
 7.250    1.80    0.77      0.390  |   O   |I      |       |       |     1.23
 7.333    1.84    0.78      0.397  |   O   |I      |       |       |     1.25
 7.417    1.92    0.79      0.405  |   O   | I     |       |       |     1.27
 7.500    1.95    0.80      0.413  |   O   | I     |       |       |     1.29
 7.583    2.00    0.81      0.421  |   O   | I     |       |       |     1.32
 7.667    2.09    0.82      0.429  |   O   | I     |       |       |     1.34
 7.750    2.13    0.83      0.438  |   O   |  I    |       |       |     1.37
 7.833    2.18    0.84      0.447  |   O   |  I    |       |       |     1.39
 7.917    2.27    0.85      0.457  |   O   |  I    |       |       |     1.42
 8.000    2.31    0.86      0.467  |   O   |   I   |       |       |     1.45
 8.083    2.39    0.87      0.477  |   O   |   I   |       |       |     1.48
 8.167    2.58    0.88      0.488  |   O   |    I  |       |       |     1.51
 8.250    2.64    0.89      0.500  |   O   |    I  |       |       |     1.54
 8.333    2.66    0.90      0.512  |   O   |    I  |       |       |     1.58
 8.417    2.68    0.92      0.524  |   O   |     I |       |       |     1.61
 8.500    2.69    0.93      0.536  |   O   |     I |       |       |     1.65
 8.583    2.73    0.94      0.549  |   O   |     I |       |       |     1.68
 8.667    2.82    0.96      0.561  |    O  |     I |       |       |     1.72
 8.750    2.85    0.97      0.574  |    O  |     I |       |       |     1.75
 8.833    2.90    0.98      0.587  |    O  |      I|       |       |     1.79
 8.917    2.99    1.00      0.601  |    O  |      I|       |       |     1.83
 9.000    3.03    1.01      0.615  |    O  |      I|       |       |     1.87
 9.083    3.11    1.03      0.629  |    O  |       I       |       |     1.91
 9.167    3.30    1.04      0.644  |    O  |       |I      |       |     1.95
 9.250    3.36    1.06      0.659  |    O  |       |I      |       |     2.00
 9.333    3.42    1.07      0.675  |    O  |       |I      |       |     2.04
 9.417    3.52    1.08      0.692  |    O  |       | I     |       |     2.08
 9.500    3.56    1.09      0.709  |    O  |       | I     |       |     2.12
 9.583    3.62    1.10      0.726  |    O  |       | I     |       |     2.16
 9.667    3.72    1.11      0.743  |    O  |       |  I    |       |     2.20
 9.750    3.75    1.13      0.761  |    O  |       |  I    |       |     2.25
 9.833    3.80    1.14      0.780  |    O  |       |  I    |       |     2.29
 9.917    3.90    1.15      0.798  |     O |       |   I   |       |     2.34
10.000    3.93    1.16      0.817  |     O |       |   I   |       |     2.38
10.083    3.70    1.18      0.835  |     O |       |  I    |       |     2.43
10.167    3.10    1.19      0.851  |     O |       I       |       |     2.47
10.250    2.91    1.19      0.863  |     O |      I|       |       |     2.50
10.333    2.82    1.20      0.875  |     O |     I |       |       |     2.52
10.417    2.77    1.21      0.886  |     O |     I |       |       |     2.55
10.500    2.74    1.22      0.896  |     O |     I |       |       |     2.58
10.583    2.90    1.22      0.907  |     O |      I|       |       |     2.60
10.667    3.31    1.23      0.920  |     O |       |I      |       |     2.63
10.750    3.45    1.24      0.935  |     O |       | I     |       |     2.67
10.833    3.52    1.25      0.950  |     O |       | I     |       |     2.71
10.917    3.55    1.26      0.966  |     O |       | I     |       |     2.75
11.000    3.58    1.27      0.982  |     O |       | I     |       |     2.79
11.083    3.55    1.28      0.998  |     O |       | I     |       |     2.82
11.167    3.48    1.29      1.013  |     O |       | I     |       |     2.86
11.250    3.45    1.30      1.028  |     O |       | I     |       |     2.90
11.333    3.44    1.31      1.043  |     O |       | I     |       |     2.93
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11.417	3.43	1.32	1.057	| O |	| I |	|	|	|	2.97
11.500	3.43	1.33	1.072	| O |	|I |	|	|	|	3.00
11.583	3.36	1.34	1.086	| O|	|I |	|	|	|	3.03
11.667	3.18	1.34	1.099	| O|	| I |	|	|	|	3.06
11.750	3.12	1.35	1.112	| O|	| I |	|	|	|	3.09
11.833	3.13	1.36	1.124	| O|	| I |	|	|	|	3.11
11.917	3.21	1.36	1.136	| O|	| I |	|	|	|	3.14
12.000	3.22	1.37	1.149	| O|	| I |	|	|	|	3.17
12.083	3.47	1.37	1.163	| O|	| | I |	|	|	|	3.20
12.167	4.09	1.38	1.179	| O|	| | I |	|	|	|	3.23
12.250	4.29	1.39	1.199	| O|	| | I |	|	|	|	3.27
12.333	4.41	1.40	1.219	| O|	| | I|	|	|	|	3.32
12.417	4.55	1.41	1.240	| O|	| | I|	|	|	|	3.36
12.500	4.61	1.42	1.262	| O|	| | I |	|	|	|	3.41
12.583	4.72	1.43	1.284	| O|	| | I |	|	|	|	3.46
12.667	4.92	1.44	1.308	| O|	| | |I |	|	|	|	3.51
12.750	4.98	1.45	1.332	| O|	| | | I |	|	|	|	3.56
12.833	5.04	1.46	1.356	| O|	| | | I |	|	|	|	3.61
12.917	5.15	1.48	1.381	| O|	| | | | I |	|	|	|	3.66
13.000	5.18	1.49	1.407	| O|	| | | | I |	|	|	|	3.72
13.083	5.38	1.50	1.433	| O|	| | | | | I |	|	|	|	3.77
13.167	5.82	1.51	1.461	| O|	| | | | | | I |	|	|	|	3.83
13.250	5.97	1.53	1.491	| O |	| | | | | | | I|	|	|	|	3.90
13.333	6.04	1.54	1.522	| O |	| | | | | | | I|	|	|	|	3.96
13.417	6.07	1.56	1.553	| O |	| | | | | | | I|	|	|	|	4.03
13.500	6.10	1.57	1.584	| O |	| | | | | | | | I |	|	|	|	4.09
13.583	5.73	1.58	1.614	| O |	| | | | | | | I |	|	|	|	4.15
13.667	4.78	1.59	1.639	| O |	| | | | | |I |	|	|	|	4.20
13.750	4.47	1.68	1.660	| O |	| | | | I|	|	|	|	4.24
13.833	4.34	1.76	1.678	| |O |	| | | I |	|	|	|	4.27
13.917	4.26	1.84	1.695	| |O |	| | | I |	|	|	|	4.30
14.000	4.21	1.91	1.712	| | O |	| | | I |	|	|	|	4.33
14.083	4.31	1.98	1.728	| | O |	| | | I |	|	|	|	4.36
14.167	4.63	2.06	1.744	| | O |	| | | | I |	|	|	|	4.39
14.250	4.74	2.14	1.762	| | | O |	| | | | I |	|	|	|	4.43
14.333	4.76	2.22	1.780	| | | O |	| | | | I |	|	|	|	4.46
14.417	4.70	2.29	1.797	| | | | O |	| | | | I |	|	|	|	4.49
14.500	4.69	2.37	1.813	| | | | O |	| | | | I |	|	|	|	4.52
14.583	4.69	2.44	1.829	| | | | O |	| | | | I |	|	|	|	4.55
14.667	4.69	2.51	1.844	| | | | | O |	| | | | I |	|	|	|	4.58
14.750	4.69	2.57	1.859	| | | | | O |	| | | | I |	|	|	|	4.61
14.833	4.65	2.64	1.873	| | | | | O |	| | | | I |	|	|	|	4.63
14.917	4.56	2.70	1.887	| | | | | | O |	| | | | I|	|	|	|	4.66
15.000	4.53	2.75	1.899	| | | | | | O |	| | | | I|	|	|	|	4.68
15.083	4.49	2.81	1.911	| | | | | | O |	| | | | I|	|	|	|	4.70
15.167	4.39	2.86	1.922	| | | | | | O |	| | | | I|	|	|	|	4.73
15.250	4.36	2.90	1.933	| | | | | | | O|	| | | I |	|	|	|	4.74
15.333	4.31	2.95	1.942	| | | | | | | O|	| | | I |	|	|	|	4.76
15.417	4.21	2.99	1.951	| | | | | | | O|	| | | I |	|	|	|	4.78
15.500	4.18	3.02	1.959	| | | | | | | O|	| | I |	|	|	|	4.79
15.583	4.03	3.06	1.967	| | | | | | | | O |	| I |	|	|	|	4.81
15.667	3.67	3.08	1.972	| | | | | | | | O | I |	|	|	|	4.82
15.750	3.55	3.10	1.976	| | | | | | | | O | I |	|	|	|	4.82
15.833	3.50	3.11	1.979	| | | | | | | | O | I |	|	|	|	4.83
15.917	3.46	3.12	1.981	| | | | | | | | O | I |	|	|	|	4.83
16.000	**3.45**	**3.13**	**1.983**	**| | | | | | | | O I | | | | 4.84**					
16.083	2.91	3.13	1.984	| | | | | | | IO |	|	|	|	4.84
16.167	1.59	3.11	1.978	| | | | | I | | O |	|	|	|	4.83
16.250	1.17	3.05	1.966	| | | | I | | | O |	|	|	|	4.81
16.333	0.98	2.99	1.953	| | | I | | | | O|	|	|	|	4.78
16.417	0.87	2.93	1.939	| | I | | | | | O|	|	|	|	4.76
16.500	0.81	2.87	1.924	| | I | | | | | O|	|	|	|	4.73
16.583	0.73	2.80	1.910	| | I | | | | O |	|	|	|	4.70
16.667	0.60	2.74	1.896	| | I | | | | O |	|	|	|	4.68
16.750	0.57	2.67	1.881	| I | | | | O |	|	|	|	4.65
16.833	0.56	2.61	1.867	| I | | | O |	|	|	|	4.62
16.917	0.55	2.55	1.853	| I | | | O |	|	|	|	4.60

17.000	0.55	2.48	1.839	I	O			4.57
17.083	0.61	2.43	1.826	I	O			4.55
17.167	0.78	2.37	1.815	I	O			4.52
17.250	0.84	2.33	1.804	I	O			4.51
17.333	0.87	2.28	1.794	I	O			4.49
17.417	0.88	2.24	1.785	I	O			4.47
17.500	0.89	2.20	1.775	I	O			4.45
17.583	0.90	2.16	1.767	I	O			4.44
17.667	0.90	2.12	1.758	I	O			4.42
17.750	0.90	2.08	1.750	I	O			4.40
17.833	0.87	2.05	1.742	I	O			4.39
17.917	0.78	2.01	1.733	I	O			4.37
18.000	0.75	1.97	1.725	I	O			4.36
18.083	0.74	1.93	1.717	I	O			4.34
18.167	0.73	1.90	1.708	I	O			4.33
18.250	0.73	1.86	1.700	I	O			4.31
18.333	0.72	1.83	1.693	I	O			4.30
18.417	0.72	1.79	1.685	I	O			4.28
18.500	0.72	1.76	1.678	I	O			4.27
18.583	0.69	1.73	1.671	I	O			4.26
18.667	0.60	1.70	1.663	I	O			4.24
18.750	0.57	1.66	1.656	I	O			4.23
18.833	0.52	1.63	1.648	I	O			4.22
18.917	0.43	1.59	1.641	I	O			4.20
19.000	0.40	1.59	1.632	I	O			4.18
19.083	0.42	1.58	1.624	I	O			4.17
19.167	0.49	1.58	1.617	I	O			4.15
19.250	0.52	1.58	1.609	I	O			4.14
19.333	0.56	1.57	1.602	I	O			4.12
19.417	0.65	1.57	1.595	I	O			4.11
19.500	0.68	1.57	1.589	I	O			4.10
19.583	0.67	1.57	1.583	I	O			4.09
19.667	0.59	1.56	1.577	I	O			4.07
19.750	0.56	1.56	1.570	I	O			4.06
19.833	0.52	1.56	1.563	I	O			4.05
19.917	0.43	1.56	1.555	I	O			4.03
20.000	0.40	1.55	1.547	I	O			4.01
20.083	0.42	1.55	1.539	I	O			4.00
20.167	0.49	1.55	1.532	I	O			3.98
20.250	0.52	1.54	1.525	I	O			3.97
20.333	0.53	1.54	1.518	I	O			3.95
20.417	0.53	1.54	1.511	I	O			3.94
20.500	0.53	1.53	1.504	I	O			3.92
20.583	0.54	1.53	1.497	I	O			3.91
20.667	0.54	1.53	1.490	I	O			3.89
20.750	0.54	1.52	1.483	I	O			3.88
20.833	0.51	1.52	1.477	I	O			3.87
20.917	0.42	1.52	1.469	I	O			3.85
21.000	0.39	1.51	1.462	I	O			3.83
21.083	0.41	1.51	1.454	I	O			3.82
21.167	0.49	1.51	1.447	I	O			3.80
21.250	0.52	1.50	1.440	I	O			3.79
21.333	0.49	1.50	1.433	I	O			3.77
21.417	0.41	1.50	1.426	I	O			3.76
21.500	0.38	1.49	1.418	I	O			3.74
21.583	0.41	1.49	1.411	I	O			3.72
21.667	0.49	1.49	1.404	I	O			3.71
21.750	0.52	1.48	1.397	I	O			3.70
21.833	0.49	1.48	1.390	I	O			3.68
21.917	0.41	1.48	1.383	I	O			3.67
22.000	0.38	1.47	1.376	I	O			3.65
22.083	0.41	1.47	1.368	I	O			3.63
22.167	0.49	1.47	1.361	I	O			3.62
22.250	0.52	1.46	1.355	I	O			3.61
22.333	0.49	1.46	1.348	I	O			3.59
22.417	0.41	1.46	1.341	I	O			3.58
22.500	0.38	1.45	1.334	I	O			3.56

22.583	0.37	1.45	1.326	|I	O|	|	|	3.55
22.667	0.37	1.45	1.319	|I	O|	|	|	3.53
22.750	0.37	1.44	1.311	|I	O|	|	|	3.51
22.833	0.36	1.44	1.304	|I	O|	|	|	3.50
22.917	0.36	1.44	1.297	|I	O|	|	|	3.48
23.000	0.36	1.43	1.289	|I	O|	|	|	3.47
23.083	0.36	1.43	1.282	|I	O|	|	|	3.45
23.167	0.36	1.43	1.275	|I	O|	|	|	3.44
23.250	0.36	1.42	1.267	|I	O|	|	|	3.42
23.333	0.36	1.42	1.260	|I	O|	|	|	3.40
23.417	0.36	1.42	1.253	|I	O|	|	|	3.39
23.500	0.36	1.41	1.245	|I	O|	|	|	3.37
23.583	0.36	1.41	1.238	|I	O|	|	|	3.36
23.667	0.36	1.41	1.231	|I	O|	|	|	3.34
23.750	0.36	1.40	1.224	|I	O|	|	|	3.33
23.833	0.36	1.40	1.217	|I	O|	|	|	3.31
23.917	0.36	1.40	1.209	|I	O|	|	|	3.30
24.000	0.36	1.39	1.202	|I	O|	|	|	3.28
24.083	0.29	1.39	1.195	|I	O|	|	|	3.27
24.167	0.12	1.38	1.187	I	O|	|	|	3.25
24.250	0.06	1.38	1.178	I	O|	|	|	3.23
24.333	0.03	1.38	1.169	I	O|	|	|	3.21
24.417	0.02	1.37	1.159	I	O|	|	|	3.19
24.500	0.01	1.37	1.150	I	O|	|	|	3.17
24.583	0.01	1.36	1.141	I	O|	|	|	3.15
24.667	0.00	1.36	1.131	I	O|	|	|	3.13
24.750	0.00	1.35	1.122	I	O|	|	|	3.11
24.833	0.00	1.35	1.113	I	O|	|	|	3.09
24.917	0.00	1.35	1.104	I	O|	|	|	3.07
25.000	0.00	1.34	1.094	I	O|	|	|	3.05
25.083	0.00	1.34	1.085	I	O|	|	|	3.03
25.167	0.00	1.33	1.076	I	O |	|	|	3.01
25.250	0.00	1.33	1.067	I	O |	|	|	2.99
25.333	0.00	1.32	1.058	I	O |	|	|	2.97
25.417	0.00	1.32	1.048	I	O |	|	|	2.95
25.500	0.00	1.31	1.039	I	O |	|	|	2.93
25.583	0.00	1.30	1.030	I	O |	|	|	2.90
25.667	0.00	1.30	1.021	I	O |	|	|	2.88
25.750	0.00	1.29	1.013	I	O |	|	|	2.86
25.833	0.00	1.29	1.004	I	O |	|	|	2.84
25.917	0.00	1.28	0.995	I	O |	|	|	2.82
26.000	0.00	1.27	0.986	I	O |	|	|	2.80
26.083	0.00	1.27	0.977	I	O |	|	|	2.77
26.167	0.00	1.26	0.969	I	O |	|	|	2.75
26.250	0.00	1.26	0.960	I	O |	|	|	2.73
26.333	0.00	1.25	0.951	I	O |	|	|	2.71
26.417	0.00	1.25	0.943	I	O |	|	|	2.69
26.500	0.00	1.24	0.934	I	O |	|	|	2.67
26.583	0.00	1.23	0.926	I	O |	|	|	2.65
26.667	0.00	1.23	0.917	I	O |	|	|	2.63
26.750	0.00	1.22	0.909	I	O |	|	|	2.61
26.833	0.00	1.22	0.900	I	O |	|	|	2.59
26.917	0.00	1.21	0.892	I	O |	|	|	2.57
27.000	0.00	1.21	0.884	I	O |	|	|	2.55
27.083	0.00	1.20	0.875	I	O |	|	|	2.52
27.167	0.00	1.20	0.867	I	O |	|	|	2.50
27.250	0.00	1.19	0.859	I	O |	|	|	2.48
27.333	0.00	1.19	0.851	I	O |	|	|	2.46
27.417	0.00	1.18	0.842	I	O |	|	|	2.44
27.500	0.00	1.17	0.834	I	O |	|	|	2.43
27.583	0.00	1.17	0.826	I	O |	|	|	2.41
27.667	0.00	1.16	0.818	I	O |	|	|	2.39
27.750	0.00	1.16	0.810	I	O |	|	|	2.37
27.833	0.00	1.15	0.802	I	O |	|	|	2.35
27.917	0.00	1.15	0.794	I	O |	|	|	2.33
28.000	0.00	1.14	0.786	I	O |	|	|	2.31
28.083	0.00	1.14	0.779	I	O |	|	|	2.29

28.167	0.00	1.13	0.771	I	O	|	|	|	|	2.27
28.250	0.00	1.13	0.763	I	O	|	|	|	|	2.25
28.333	0.00	1.12	0.755	I	O	|	|	|	|	2.23
28.417	0.00	1.12	0.747	I	O	|	|	|	|	2.21
28.500	0.00	1.11	0.740	I	O	|	|	|	|	2.19
28.583	0.00	1.11	0.732	I	O	|	|	|	|	2.18
28.667	0.00	1.10	0.725	I	O	|	|	|	|	2.16
28.750	0.00	1.10	0.717	I	O	|	|	|	|	2.14
28.833	0.00	1.09	0.709	I	O	|	|	|	|	2.12
28.917	0.00	1.09	0.702	I	O	|	|	|	|	2.10
29.000	0.00	1.08	0.694	I	O	|	|	|	|	2.08
29.083	0.00	1.08	0.687	I	O	|	|	|	|	2.07
29.167	0.00	1.07	0.680	I	O	|	|	|	|	2.05
29.250	0.00	1.07	0.672	I	O	|	|	|	|	2.03
29.333	0.00	1.06	0.665	I	O	|	|	|	|	2.01
29.417	0.00	1.06	0.658	I	O	|	|	|	|	1.99
29.500	0.00	1.05	0.650	I	O	|	|	|	|	1.97
29.583	0.00	1.04	0.643	I	O	|	|	|	|	1.95
29.667	0.00	1.03	0.636	I	O	|	|	|	|	1.93
29.750	0.00	1.03	0.629	I	O	|	|	|	|	1.91
29.833	0.00	1.02	0.622	I	O	|	|	|	|	1.89
29.917	0.00	1.01	0.615	I	O	|	|	|	|	1.87
30.000	0.00	1.00	0.608	I	O	|	|	|	|	1.85
30.083	0.00	1.00	0.601	I	O	|	|	|	|	1.83
30.167	0.00	0.99	0.594	I	O	|	|	|	|	1.81
30.250	0.00	0.98	0.587	I	O	|	|	|	|	1.79
30.333	0.00	0.98	0.581	I	O	|	|	|	|	1.77
30.417	0.00	0.97	0.574	I	O	|	|	|	|	1.75
30.500	0.00	0.96	0.567	I	O	|	|	|	|	1.74
30.583	0.00	0.95	0.561	I	O	|	|	|	|	1.72
30.667	0.00	0.95	0.554	I	O	|	|	|	|	1.70
30.750	0.00	0.94	0.548	I	O	|	|	|	|	1.68
30.833	0.00	0.93	0.541	I	O	|	|	|	|	1.66
30.917	0.00	0.93	0.535	I	O	|	|	|	|	1.64
31.000	0.00	0.92	0.528	I	O	|	|	|	|	1.62
31.083	0.00	0.91	0.522	I	O	|	|	|	|	1.61
31.167	0.00	0.91	0.516	I	O	|	|	|	|	1.59
31.250	0.00	0.90	0.510	I	O	|	|	|	|	1.57
31.333	0.00	0.89	0.503	I	O	|	|	|	|	1.55
31.417	0.00	0.89	0.497	I	O	|	|	|	|	1.53
31.500	0.00	0.88	0.491	I	O	|	|	|	|	1.52
31.583	0.00	0.88	0.485	I	O	|	|	|	|	1.50
31.667	0.00	0.87	0.479	I	O	|	|	|	|	1.48
31.750	0.00	0.86	0.473	I	O	|	|	|	|	1.47
31.833	0.00	0.86	0.467	I	O	|	|	|	|	1.45
31.917	0.00	0.85	0.461	I	O	|	|	|	|	1.43
32.000	0.00	0.84	0.455	I	O	|	|	|	|	1.42
32.083	0.00	0.84	0.450	I	O	|	|	|	|	1.40
32.167	0.00	0.83	0.444	I	O	|	|	|	|	1.38
32.250	0.00	0.83	0.438	I	O	|	|	|	|	1.37
32.333	0.00	0.82	0.433	I	O	|	|	|	|	1.35
32.417	0.00	0.81	0.427	I	O	|	|	|	|	1.33
32.500	0.00	0.81	0.421	I	O	|	|	|	|	1.32
32.583	0.00	0.80	0.416	I	O	|	|	|	|	1.30
32.667	0.00	0.80	0.410	I	O	|	|	|	|	1.29
32.750	0.00	0.79	0.405	I	O	|	|	|	|	1.27
32.833	0.00	0.78	0.399	I	O	|	|	|	|	1.26
32.917	0.00	0.78	0.394	I	O	|	|	|	|	1.24
33.000	0.00	0.77	0.389	I	O	|	|	|	|	1.22
33.083	0.00	0.77	0.383	I	O	|	|	|	|	1.21
33.167	0.00	0.76	0.378	I	O	|	|	|	|	1.19
33.250	0.00	0.76	0.373	I	O	|	|	|	|	1.18
33.333	0.00	0.75	0.368	I	O	|	|	|	|	1.16
33.417	0.00	0.75	0.363	I	O	|	|	|	|	1.15
33.500	0.00	0.74	0.357	I	O	|	|	|	|	1.14
33.583	0.00	0.73	0.352	I	O	|	|	|	|	1.12
33.667	0.00	0.73	0.347	I	O	|	|	|	|	1.11

33.750	0.00	0.72	0.342	I O	|	|	|	1.09
33.833	0.00	0.72	0.337	I O	|	|	|	1.08
33.917	0.00	0.71	0.332	I O	|	|	|	1.06
34.000	0.00	0.71	0.328	I O	|	|	|	1.05
34.083	0.00	0.70	0.323	I O	|	|	|	1.04
34.167	0.00	0.70	0.318	I O	|	|	|	1.02
34.250	0.00	0.69	0.313	I O	|	|	|	1.01
34.333	0.00	0.69	0.308	I O	|	|	|	0.99
34.417	0.00	0.68	0.304	I O	|	|	|	0.98
34.500	0.00	0.67	0.299	I O	|	|	|	0.96
34.583	0.00	0.66	0.294	I O	|	|	|	0.95
34.667	0.00	0.65	0.290	I O	|	|	|	0.94
34.750	0.00	0.64	0.286	I O	|	|	|	0.92
34.833	0.00	0.63	0.281	I O	|	|	|	0.91
34.917	0.00	0.62	0.277	I O	|	|	|	0.89
35.000	0.00	0.61	0.273	I O	|	|	|	0.88
35.083	0.00	0.60	0.269	I O	|	|	|	0.87
35.167	0.00	0.59	0.264	I O	|	|	|	0.85
35.250	0.00	0.58	0.260	I O	|	|	|	0.84
35.333	0.00	0.57	0.256	I O	|	|	|	0.83
35.417	0.00	0.56	0.253	I O	|	|	|	0.81
35.500	0.00	0.55	0.249	I O	|	|	|	0.80
35.583	0.00	0.55	0.245	I O	|	|	|	0.79
35.667	0.00	0.54	0.241	I O	|	|	|	0.78
35.750	0.00	0.53	0.238	I O	|	|	|	0.77
35.833	0.00	0.52	0.234	I O	|	|	|	0.75
35.917	0.00	0.51	0.230	I O	|	|	|	0.74
36.000	0.00	0.51	0.227	I O	|	|	|	0.73
36.083	0.00	0.50	0.223	I O	|	|	|	0.72
36.167	0.00	0.49	0.220	I O	|	|	|	0.71
36.250	0.00	0.48	0.217	I O	|	|	|	0.70
36.333	0.00	0.47	0.213	I O	|	|	|	0.69
36.417	0.00	0.47	0.210	I O	|	|	|	0.68
36.500	0.00	0.46	0.207	I O	|	|	|	0.67
36.583	0.00	0.45	0.204	I O	|	|	|	0.66
36.667	0.00	0.45	0.201	I O	|	|	|	0.65
36.750	0.00	0.44	0.198	I O	|	|	|	0.64
36.833	0.00	0.43	0.195	I O	|	|	|	0.63
36.917	0.00	0.43	0.192	I O	|	|	|	0.62
37.000	0.00	0.42	0.189	I O	|	|	|	0.61
37.083	0.00	0.41	0.186	I O	|	|	|	0.60
37.167	0.00	0.41	0.183	I O	|	|	|	0.59
37.250	0.00	0.40	0.180	I O	|	|	|	0.58
37.333	0.00	0.40	0.178	I O	|	|	|	0.57
37.417	0.00	0.39	0.175	I O	|	|	|	0.56
37.500	0.00	0.38	0.172	I O	|	|	|	0.56
37.583	0.00	0.38	0.170	IO	|	|	|	0.55
37.667	0.00	0.37	0.167	IO	|	|	|	0.54
37.750	0.00	0.37	0.164	IO	|	|	|	0.53
37.833	0.00	0.36	0.162	IO	|	|	|	0.52
37.917	0.00	0.35	0.159	IO	|	|	|	0.51
38.000	0.00	0.35	0.157	IO	|	|	|	0.51
38.083	0.00	0.34	0.155	IO	|	|	|	0.50
38.167	0.00	0.34	0.152	IO	|	|	|	0.49
38.250	0.00	0.33	0.150	IO	|	|	|	0.48
38.333	0.00	0.33	0.148	IO	|	|	|	0.48
38.417	0.00	0.32	0.145	IO	|	|	|	0.47
38.500	0.00	0.32	0.143	IO	|	|	|	0.46
38.583	0.00	0.31	0.141	IO	|	|	|	0.46
38.667	0.00	0.31	0.139	IO	|	|	|	0.45
38.750	0.00	0.30	0.137	IO	|	|	|	0.44
38.833	0.00	0.30	0.135	IO	|	|	|	0.43
38.917	0.00	0.30	0.133	IO	|	|	|	0.43
39.000	0.00	0.29	0.131	IO	|	|	|	0.42
39.083	0.00	0.29	0.129	IO	|	|	|	0.42
39.167	0.00	0.28	0.127	IO	|	|	|	0.41
39.250	0.00	0.28	0.125	IO	|	|	|	0.40

39.333	0.00	0.27	0.123	IO					0.40
39.417	0.00	0.27	0.121	IO					0.39
39.500	0.00	0.27	0.119	IO					0.38
39.583	0.00	0.26	0.117	IO					0.38
39.667	0.00	0.26	0.116	IO					0.37
39.750	0.00	0.25	0.114	IO					0.37
39.833	0.00	0.25	0.112	IO					0.36
39.917	0.00	0.25	0.110	IO					0.36
40.000	0.00	0.24	0.109	IO					0.35
40.083	0.00	0.24	0.107	IO					0.35
40.167	0.00	0.23	0.105	IO					0.34
40.250	0.00	0.23	0.104	IO					0.33
40.333	0.00	0.23	0.102	IO					0.33
40.417	0.00	0.22	0.101	IO					0.32
40.500	0.00	0.22	0.099	IO					0.32
40.583	0.00	0.22	0.098	IO					0.31
40.667	0.00	0.21	0.096	IO					0.31
40.750	0.00	0.21	0.095	IO					0.31
40.833	0.00	0.21	0.093	IO					0.30
40.917	0.00	0.20	0.092	IO					0.30
41.000	0.00	0.20	0.090	IO					0.29
41.083	0.00	0.20	0.089	IO					0.29
41.167	0.00	0.20	0.088	IO					0.28
41.250	0.00	0.19	0.086	IO					0.28
41.333	0.00	0.19	0.085	O					0.27
41.417	0.00	0.19	0.084	O					0.27
41.500	0.00	0.18	0.082	O					0.27
41.583	0.00	0.18	0.081	O					0.26
41.667	0.00	0.18	0.080	O					0.26
41.750	0.00	0.18	0.079	O					0.25
41.833	0.00	0.17	0.078	O					0.25
41.917	0.00	0.17	0.076	O					0.25
42.000	0.00	0.17	0.075	O					0.24
42.083	0.00	0.16	0.074	O					0.24
42.167	0.00	0.16	0.073	O					0.24
42.250	0.00	0.16	0.072	O					0.23
42.333	0.00	0.16	0.071	O					0.23
42.417	0.00	0.16	0.070	O					0.22
42.500	0.00	0.15	0.069	O					0.22
42.583	0.00	0.15	0.068	O					0.22
42.667	0.00	0.15	0.067	O					0.21
42.750	0.00	0.15	0.066	O					0.21
42.833	0.00	0.14	0.065	O					0.21
42.917	0.00	0.14	0.064	O					0.21
43.000	0.00	0.14	0.063	O					0.20
43.083	0.00	0.14	0.062	O					0.20
43.167	0.00	0.14	0.061	O					0.20
43.250	0.00	0.13	0.060	O					0.19
43.333	0.00	0.13	0.059	O					0.19
43.417	0.00	0.13	0.058	O					0.19
43.500	0.00	0.13	0.057	O					0.18
43.583	0.00	0.13	0.056	O					0.18
43.667	0.00	0.12	0.055	O					0.18
43.750	0.00	0.12	0.055	O					0.18
43.833	0.00	0.12	0.054	O					0.17
43.917	0.00	0.12	0.053	O					0.17
44.000	0.00	0.12	0.052	O					0.17
44.083	0.00	0.11	0.051	O					0.17
44.167	0.00	0.11	0.051	O					0.16
44.250	0.00	0.11	0.050	O					0.16
44.333	0.00	0.11	0.049	O					0.16
44.417	0.00	0.11	0.048	O					0.16
44.500	0.00	0.11	0.048	O					0.15
44.583	0.00	0.10	0.047	O					0.15
44.667	0.00	0.10	0.046	O					0.15
44.750	0.00	0.10	0.045	O					0.15
44.833	0.00	0.10	0.045	O					0.14

44.917	0.00	0.10	0.044	O	|	|	|	|	0.14
45.000	0.00	0.10	0.043	O	|	|	|	|	0.14
45.083	0.00	0.09	0.043	O	|	|	|	|	0.14
45.167	0.00	0.09	0.042	O	|	|	|	|	0.14
45.250	0.00	0.09	0.041	O	|	|	|	|	0.13
45.333	0.00	0.09	0.041	O	|	|	|	|	0.13
45.417	0.00	0.09	0.040	O	|	|	|	|	0.13
45.500	0.00	0.09	0.040	O	|	|	|	|	0.13
45.583	0.00	0.09	0.039	O	|	|	|	|	0.13
45.667	0.00	0.09	0.038	O	|	|	|	|	0.12
45.750	0.00	0.08	0.038	O	|	|	|	|	0.12
45.833	0.00	0.08	0.037	O	|	|	|	|	0.12
45.917	0.00	0.08	0.037	O	|	|	|	|	0.12
46.000	0.00	0.08	0.036	O	|	|	|	|	0.12
46.083	0.00	0.08	0.036	O	|	|	|	|	0.11
46.167	0.00	0.08	0.035	O	|	|	|	|	0.11
46.250	0.00	0.08	0.034	O	|	|	|	|	0.11
46.333	0.00	0.08	0.034	O	|	|	|	|	0.11
46.417	0.00	0.07	0.033	O	|	|	|	|	0.11
46.500	0.00	0.07	0.033	O	|	|	|	|	0.11
46.583	0.00	0.07	0.032	O	|	|	|	|	0.10
46.667	0.00	0.07	0.032	O	|	|	|	|	0.10
46.750	0.00	0.07	0.031	O	|	|	|	|	0.10
46.833	0.00	0.07	0.031	O	|	|	|	|	0.10
46.917	0.00	0.07	0.030	O	|	|	|	|	0.10
47.000	0.00	0.07	0.030	O	|	|	|	|	0.10
47.083	0.00	0.07	0.030	O	|	|	|	|	0.10
47.167	0.00	0.06	0.029	O	|	|	|	|	0.09
47.250	0.00	0.06	0.029	O	|	|	|	|	0.09
47.333	0.00	0.06	0.028	O	|	|	|	|	0.09
47.417	0.00	0.06	0.028	O	|	|	|	|	0.09
47.500	0.00	0.06	0.027	O	|	|	|	|	0.09
47.583	0.00	0.06	0.027	O	|	|	|	|	0.09
47.667	0.00	0.06	0.027	O	|	|	|	|	0.09
47.750	0.00	0.06	0.026	O	|	|	|	|	0.08
47.833	0.00	0.06	0.026	O	|	|	|	|	0.08
47.917	0.00	0.06	0.025	O	|	|	|	|	0.08
48.000	0.00	0.06	0.025	O	|	|	|	|	0.08
48.083	0.00	0.05	0.025	O	|	|	|	|	0.08
48.167	0.00	0.05	0.024	O	|	|	|	|	0.08
48.250	0.00	0.05	0.024	O	|	|	|	|	0.08
48.333	0.00	0.05	0.023	O	|	|	|	|	0.08
48.417	0.00	0.05	0.023	O	|	|	|	|	0.07
48.500	0.00	0.05	0.023	O	|	|	|	|	0.07
48.583	0.00	0.05	0.022	O	|	|	|	|	0.07
48.667	0.00	0.05	0.022	O	|	|	|	|	0.07
48.750	0.00	0.05	0.022	O	|	|	|	|	0.07
48.833	0.00	0.05	0.021	O	|	|	|	|	0.07
48.917	0.00	0.05	0.021	O	|	|	|	|	0.07
49.000	0.00	0.05	0.021	O	|	|	|	|	0.07
49.083	0.00	0.05	0.020	O	|	|	|	|	0.07
49.167	0.00	0.04	0.020	O	|	|	|	|	0.06
49.250	0.00	0.04	0.020	O	|	|	|	|	0.06
49.333	0.00	0.04	0.020	O	|	|	|	|	0.06
49.417	0.00	0.04	0.019	O	|	|	|	|	0.06
49.500	0.00	0.04	0.019	O	|	|	|	|	0.06
49.583	0.00	0.04	0.019	O	|	|	|	|	0.06
49.667	0.00	0.04	0.018	O	|	|	|	|	0.06
49.750	0.00	0.04	0.018	O	|	|	|	|	0.06
49.833	0.00	0.04	0.018	O	|	|	|	|	0.06
49.917	0.00	0.04	0.018	O	|	|	|	|	0.06
50.000	0.00	0.04	0.017	O	|	|	|	|	0.06
50.083	0.00	0.04	0.017	O	|	|	|	|	0.05
50.167	0.00	0.04	0.017	O	|	|	|	|	0.05
50.250	0.00	0.04	0.016	O	|	|	|	|	0.05
50.333	0.00	0.04	0.016	O	|	|	|	|	0.05
50.417	0.00	0.04	0.016	O	|	|	|	|	0.05

50.500	0.00	0.04	0.016	O	|	|	|	|	0.05
50.583	0.00	0.03	0.016	O	|	|	|	|	0.05
50.667	0.00	0.03	0.015	O	|	|	|	|	0.05
50.750	0.00	0.03	0.015	O	|	|	|	|	0.05
50.833	0.00	0.03	0.015	O	|	|	|	|	0.05
50.917	0.00	0.03	0.015	O	|	|	|	|	0.05
51.000	0.00	0.03	0.014	O	|	|	|	|	0.05
51.083	0.00	0.03	0.014	O	|	|	|	|	0.05
51.167	0.00	0.03	0.014	O	|	|	|	|	0.04
51.250	0.00	0.03	0.014	O	|	|	|	|	0.04
51.333	0.00	0.03	0.014	O	|	|	|	|	0.04
51.417	0.00	0.03	0.013	O	|	|	|	|	0.04
51.500	0.00	0.03	0.013	O	|	|	|	|	0.04
51.583	0.00	0.03	0.013	O	|	|	|	|	0.04
51.667	0.00	0.03	0.013	O	|	|	|	|	0.04
51.750	0.00	0.03	0.013	O	|	|	|	|	0.04
51.833	0.00	0.03	0.012	O	|	|	|	|	0.04
51.917	0.00	0.03	0.012	O	|	|	|	|	0.04
52.000	0.00	0.03	0.012	O	|	|	|	|	0.04
52.083	0.00	0.03	0.012	O	|	|	|	|	0.04
52.167	0.00	0.03	0.012	O	|	|	|	|	0.04
52.250	0.00	0.03	0.011	O	|	|	|	|	0.04
52.333	0.00	0.03	0.011	O	|	|	|	|	0.04
52.417	0.00	0.02	0.011	O	|	|	|	|	0.04
52.500	0.00	0.02	0.011	O	|	|	|	|	0.04
52.583	0.00	0.02	0.011	O	|	|	|	|	0.03
52.667	0.00	0.02	0.011	O	|	|	|	|	0.03
52.750	0.00	0.02	0.010	O	|	|	|	|	0.03
52.833	0.00	0.02	0.010	O	|	|	|	|	0.03
52.917	0.00	0.02	0.010	O	|	|	|	|	0.03
53.000	0.00	0.02	0.010	O	|	|	|	|	0.03
53.083	0.00	0.02	0.010	O	|	|	|	|	0.03
53.167	0.00	0.02	0.010	O	|	|	|	|	0.03
53.250	0.00	0.02	0.009	O	|	|	|	|	0.03
53.333	0.00	0.02	0.009	O	|	|	|	|	0.03
53.417	0.00	0.02	0.009	O	|	|	|	|	0.03
53.500	0.00	0.02	0.009	O	|	|	|	|	0.03
53.583	0.00	0.02	0.009	O	|	|	|	|	0.03
53.667	0.00	0.02	0.009	O	|	|	|	|	0.03
53.750	0.00	0.02	0.009	O	|	|	|	|	0.03
53.833	0.00	0.02	0.009	O	|	|	|	|	0.03
53.917	0.00	0.02	0.008	O	|	|	|	|	0.03
54.000	0.00	0.02	0.008	O	|	|	|	|	0.03
54.083	0.00	0.02	0.008	O	|	|	|	|	0.03
54.167	0.00	0.02	0.008	O	|	|	|	|	0.03
54.250	0.00	0.02	0.008	O	|	|	|	|	0.03
54.333	0.00	0.02	0.008	O	|	|	|	|	0.03
54.417	0.00	0.02	0.008	O	|	|	|	|	0.02
54.500	0.00	0.02	0.008	O	|	|	|	|	0.02
54.583	0.00	0.02	0.007	O	|	|	|	|	0.02
54.667	0.00	0.02	0.007	O	|	|	|	|	0.02
54.750	0.00	0.02	0.007	O	|	|	|	|	0.02
54.833	0.00	0.02	0.007	O	|	|	|	|	0.02
54.917	0.00	0.02	0.007	O	|	|	|	|	0.02
55.000	0.00	0.02	0.007	O	|	|	|	|	0.02
55.083	0.00	0.02	0.007	O	|	|	|	|	0.02
55.167	0.00	0.01	0.007	O	|	|	|	|	0.02
55.250	0.00	0.01	0.007	O	|	|	|	|	0.02
55.333	0.00	0.01	0.006	O	|	|	|	|	0.02
55.417	0.00	0.01	0.006	O	|	|	|	|	0.02
55.500	0.00	0.01	0.006	O	|	|	|	|	0.02
55.583	0.00	0.01	0.006	O	|	|	|	|	0.02
55.667	0.00	0.01	0.006	O	|	|	|	|	0.02
55.750	0.00	0.01	0.006	O	|	|	|	|	0.02
55.833	0.00	0.01	0.006	O	|	|	|	|	0.02
55.917	0.00	0.01	0.006	O	|	|	|	|	0.02
56.000	0.00	0.01	0.006	O	|	|	|	|	0.02

56.083	0.00	0.01	0.006	O	|	|	|	|	0.02
56.167	0.00	0.01	0.006	O	|	|	|	|	0.02
56.250	0.00	0.01	0.005	O	|	|	|	|	0.02
56.333	0.00	0.01	0.005	O	|	|	|	|	0.02
56.417	0.00	0.01	0.005	O	|	|	|	|	0.02
56.500	0.00	0.01	0.005	O	|	|	|	|	0.02
56.583	0.00	0.01	0.005	O	|	|	|	|	0.02
56.667	0.00	0.01	0.005	O	|	|	|	|	0.02
56.750	0.00	0.01	0.005	O	|	|	|	|	0.02
56.833	0.00	0.01	0.005	O	|	|	|	|	0.02
56.917	0.00	0.01	0.005	O	|	|	|	|	0.02
57.000	0.00	0.01	0.005	O	|	|	|	|	0.02
57.083	0.00	0.01	0.005	O	|	|	|	|	0.02
57.167	0.00	0.01	0.005	O	|	|	|	|	0.01
57.250	0.00	0.01	0.005	O	|	|	|	|	0.01
57.333	0.00	0.01	0.004	O	|	|	|	|	0.01
57.417	0.00	0.01	0.004	O	|	|	|	|	0.01
57.500	0.00	0.01	0.004	O	|	|	|	|	0.01
57.583	0.00	0.01	0.004	O	|	|	|	|	0.01
57.667	0.00	0.01	0.004	O	|	|	|	|	0.01
57.750	0.00	0.01	0.004	O	|	|	|	|	0.01
57.833	0.00	0.01	0.004	O	|	|	|	|	0.01
57.917	0.00	0.01	0.004	O	|	|	|	|	0.01
58.000	0.00	0.01	0.004	O	|	|	|	|	0.01
58.083	0.00	0.01	0.004	O	|	|	|	|	0.01
58.167	0.00	0.01	0.004	O	|	|	|	|	0.01
58.250	0.00	0.01	0.004	O	|	|	|	|	0.01
58.333	0.00	0.01	0.004	O	|	|	|	|	0.01
58.417	0.00	0.01	0.004	O	|	|	|	|	0.01
58.500	0.00	0.01	0.004	O	|	|	|	|	0.01
58.583	0.00	0.01	0.004	O	|	|	|	|	0.01
58.667	0.00	0.01	0.004	O	|	|	|	|	0.01
58.750	0.00	0.01	0.003	O	|	|	|	|	0.01
58.833	0.00	0.01	0.003	O	|	|	|	|	0.01
58.917	0.00	0.01	0.003	O	|	|	|	|	0.01
59.000	0.00	0.01	0.003	O	|	|	|	|	0.01
59.083	0.00	0.01	0.003	O	|	|	|	|	0.01
59.167	0.00	0.01	0.003	O	|	|	|	|	0.01
59.250	0.00	0.01	0.003	O	|	|	|	|	0.01
59.333	0.00	0.01	0.003	O	|	|	|	|	0.01
59.417	0.00	0.01	0.003	O	|	|	|	|	0.01
59.500	0.00	0.01	0.003	O	|	|	|	|	0.01
59.583	0.00	0.01	0.003	O	|	|	|	|	0.01
59.667	0.00	0.01	0.003	O	|	|	|	|	0.01
59.750	0.00	0.01	0.003	O	|	|	|	|	0.01
59.833	0.00	0.01	0.003	O	|	|	|	|	0.01
59.917	0.00	0.01	0.003	O	|	|	|	|	0.01
60.000	0.00	0.01	0.003	O	|	|	|	|	0.01
60.083	0.00	0.01	0.003	O	|	|	|	|	0.01
60.167	0.00	0.01	0.003	O	|	|	|	|	0.01
60.250	0.00	0.01	0.003	O	|	|	|	|	0.01
60.333	0.00	0.01	0.003	O	|	|	|	|	0.01
60.417	0.00	0.01	0.003	O	|	|	|	|	0.01
60.500	0.00	0.01	0.003	O	|	|	|	|	0.01
60.583	0.00	0.01	0.002	O	|	|	|	|	0.01
60.667	0.00	0.01	0.002	O	|	|	|	|	0.01
60.750	0.00	0.01	0.002	O	|	|	|	|	0.01
60.833	0.00	0.01	0.002	O	|	|	|	|	0.01
60.917	0.00	0.01	0.002	O	|	|	|	|	0.01
61.000	0.00	0.01	0.002	O	|	|	|	|	0.01
61.083	0.00	0.01	0.002	O	|	|	|	|	0.01
61.167	0.00	0.00	0.002	O	|	|	|	|	0.01
61.250	0.00	0.00	0.002	O	|	|	|	|	0.01
61.333	0.00	0.00	0.002	O	|	|	|	|	0.01
61.417	0.00	0.00	0.002	O	|	|	|	|	0.01
61.500	0.00	0.00	0.002	O	|	|	|	|	0.01
61.583	0.00	0.00	0.002	O	|	|	|	|	0.01

61.667	0.00	0.00	0.002	O	|	|	|	|	0.01
61.750	0.00	0.00	0.002	O	|	|	|	|	0.01
61.833	0.00	0.00	0.002	O	|	|	|	|	0.01
61.917	0.00	0.00	0.002	O	|	|	|	|	0.01
62.000	0.00	0.00	0.002	O	|	|	|	|	0.01
62.083	0.00	0.00	0.002	O	|	|	|	|	0.01
62.167	0.00	0.00	0.002	O	|	|	|	|	0.01
62.250	0.00	0.00	0.002	O	|	|	|	|	0.01
62.333	0.00	0.00	0.002	O	|	|	|	|	0.01
62.417	0.00	0.00	0.002	O	|	|	|	|	0.01
62.500	0.00	0.00	0.002	O	|	|	|	|	0.01
62.583	0.00	0.00	0.002	O	|	|	|	|	0.01
62.667	0.00	0.00	0.002	O	|	|	|	|	0.01
62.750	0.00	0.00	0.002	O	|	|	|	|	0.01
62.833	0.00	0.00	0.002	O	|	|	|	|	0.01
62.917	0.00	0.00	0.002	O	|	|	|	|	0.01
63.000	0.00	0.00	0.002	O	|	|	|	|	0.01
63.083	0.00	0.00	0.002	O	|	|	|	|	0.01
63.167	0.00	0.00	0.002	O	|	|	|	|	0.00
63.250	0.00	0.00	0.002	O	|	|	|	|	0.00
63.333	0.00	0.00	0.001	O	|	|	|	|	0.00
63.417	0.00	0.00	0.001	O	|	|	|	|	0.00
63.500	0.00	0.00	0.001	O	|	|	|	|	0.00
63.583	0.00	0.00	0.001	O	|	|	|	|	0.00
63.667	0.00	0.00	0.001	O	|	|	|	|	0.00
63.750	0.00	0.00	0.001	O	|	|	|	|	0.00
63.833	0.00	0.00	0.001	O	|	|	|	|	0.00
63.917	0.00	0.00	0.001	O	|	|	|	|	0.00
64.000	0.00	0.00	0.001	O	|	|	|	|	0.00
64.083	0.00	0.00	0.001	O	|	|	|	|	0.00
64.167	0.00	0.00	0.001	O	|	|	|	|	0.00
64.250	0.00	0.00	0.001	O	|	|	|	|	0.00
64.333	0.00	0.00	0.001	O	|	|	|	|	0.00
64.417	0.00	0.00	0.001	O	|	|	|	|	0.00
64.500	0.00	0.00	0.001	O	|	|	|	|	0.00
64.583	0.00	0.00	0.001	O	|	|	|	|	0.00
64.667	0.00	0.00	0.001	O	|	|	|	|	0.00
64.750	0.00	0.00	0.001	O	|	|	|	|	0.00
64.833	0.00	0.00	0.001	O	|	|	|	|	0.00
64.917	0.00	0.00	0.001	O	|	|	|	|	0.00
65.000	0.00	0.00	0.001	O	|	|	|	|	0.00
65.083	0.00	0.00	0.001	O	|	|	|	|	0.00
65.167	0.00	0.00	0.001	O	|	|	|	|	0.00
65.250	0.00	0.00	0.001	O	|	|	|	|	0.00
65.333	0.00	0.00	0.001	O	|	|	|	|	0.00
65.417	0.00	0.00	0.001	O	|	|	|	|	0.00
65.500	0.00	0.00	0.001	O	|	|	|	|	0.00
65.583	0.00	0.00	0.001	O	|	|	|	|	0.00
65.667	0.00	0.00	0.001	O	|	|	|	|	0.00
65.750	0.00	0.00	0.001	O	|	|	|	|	0.00
65.833	0.00	0.00	0.001	O	|	|	|	|	0.00
65.917	0.00	0.00	0.001	O	|	|	|	|	0.00
66.000	0.00	0.00	0.001	O	|	|	|	|	0.00
66.083	0.00	0.00	0.001	O	|	|	|	|	0.00
66.167	0.00	0.00	0.001	O	|	|	|	|	0.00
66.250	0.00	0.00	0.001	O	|	|	|	|	0.00
66.333	0.00	0.00	0.001	O	|	|	|	|	0.00
66.417	0.00	0.00	0.001	O	|	|	|	|	0.00
66.500	0.00	0.00	0.001	O	|	|	|	|	0.00
66.583	0.00	0.00	0.001	O	|	|	|	|	0.00
66.667	0.00	0.00	0.001	O	|	|	|	|	0.00
66.750	0.00	0.00	0.001	O	|	|	|	|	0.00
66.833	0.00	0.00	0.001	O	|	|	|	|	0.00
66.917	0.00	0.00	0.001	O	|	|	|	|	0.00
67.000	0.00	0.00	0.001	O	|	|	|	|	0.00
67.083	0.00	0.00	0.001	O	|	|	|	|	0.00
67.167	0.00	0.00	0.001	O	|	|	|	|	0.00

67.250	0.00	0.00	0.001	O	|	|	|	|	0.00
67.333	0.00	0.00	0.001	O	|	|	|	|	0.00
67.417	0.00	0.00	0.001	O	|	|	|	|	0.00
67.500	0.00	0.00	0.001	O	|	|	|	|	0.00
67.583	0.00	0.00	0.001	O	|	|	|	|	0.00
67.667	0.00	0.00	0.001	O	|	|	|	|	0.00
67.750	0.00	0.00	0.001	O	|	|	|	|	0.00
67.833	0.00	0.00	0.001	O	|	|	|	|	0.00
67.917	0.00	0.00	0.001	O	|	|	|	|	0.00
68.000	0.00	0.00	0.001	O	|	|	|	|	0.00
68.083	0.00	0.00	0.001	O	|	|	|	|	0.00
68.167	0.00	0.00	0.001	O	|	|	|	|	0.00
68.250	0.00	0.00	0.001	O	|	|	|	|	0.00
68.333	0.00	0.00	0.001	O	|	|	|	|	0.00
68.417	0.00	0.00	0.001	O	|	|	|	|	0.00
68.500	0.00	0.00	0.001	O	|	|	|	|	0.00
68.583	0.00	0.00	0.001	O	|	|	|	|	0.00
68.667	0.00	0.00	0.001	O	|	|	|	|	0.00
68.750	0.00	0.00	0.001	O	|	|	|	|	0.00
68.833	0.00	0.00	0.001	O	|	|	|	|	0.00
68.917	0.00	0.00	0.001	O	|	|	|	|	0.00
69.000	0.00	0.00	0.001	O	|	|	|	|	0.00
69.083	0.00	0.00	0.001	O	|	|	|	|	0.00
69.167	0.00	0.00	0.001	O	|	|	|	|	0.00
69.250	0.00	0.00	0.001	O	|	|	|	|	0.00
69.333	0.00	0.00	0.000	O	|	|	|	|	0.00
69.417	0.00	0.00	0.000	O	|	|	|	|	0.00
69.500	0.00	0.00	0.000	O	|	|	|	|	0.00
69.583	0.00	0.00	0.000	O	|	|	|	|	0.00
69.667	0.00	0.00	0.000	O	|	|	|	|	0.00
69.750	0.00	0.00	0.000	O	|	|	|	|	0.00
69.833	0.00	0.00	0.000	O	|	|	|	|	0.00
69.917	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 839
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.133 (CFS)
Total volume = 3.722 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/08/21 File: RVEXD242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
 English Units used in output format

RIO VISTA DEVELOPMENT
BASIN D- EXISTING UNIT HYDROGRAPH
2YR-24HRS

Drainage Area = 21.11(Ac.) = 0.033 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.11(Ac.) = 0.033 Sq. Mi.
Length along longest watercourse = 1478.00(Ft.)
Length along longest watercourse measured to centroid = 795.40(Ft.)
Length along longest watercourse = 0.280 Mi.
Length along longest watercourse measured to centroid = 0.151 Mi.
Difference in elevation = 13.00(Ft.)
Slope along watercourse = 46.4411 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.139 Hr.
Lag time = 8.34 Min.
25% of lag time = 2.09 Min.
40% of lag time = 3.34 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	2.70	57.00

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.11	7.00	147.77

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.110	83.20	0.000

Total Area Entered = 21.11(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      83.2  67.5      0.389     0.000        0.389       1.000      0.389
                                                        Sum (F) =   0.389
      Area averaged mean soil loss (F) (In/Hr) =  0.389
      Minimum soil loss rate ((In/Hr)) =  0.195
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.900
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
              1   0.083         59.946          8.203              1.745
              2   0.167        119.893         33.929              7.218
              3   0.250        179.839         26.601              5.659
              4   0.333        239.785         10.312              2.194
              5   0.417        299.731          6.101              1.298
              6   0.500        359.678          4.123              0.877
              7   0.583        419.624          2.936              0.625
              8   0.667        479.570          2.066              0.440
              9   0.750        539.516          1.710              0.364
             10   0.833        599.463          1.265              0.269
             11   0.917        659.409          0.962              0.205
             12   1.000        719.355          0.685              0.146
             13   1.083        779.301          0.599              0.128
             14   1.167        839.248          0.507              0.108
                                      Sum = 100.000   Sum=      21.275
    ------------------------------------------------------------------------

     The following loss rate calculations reflect use of the minimum calculated loss
     rate subtracted from the Storm Rain to produce the maximum Effective Rain value

      Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
           (Hr.)  Percent   (In/Hr)          Max   |   Low         (In/Hr)
       1   0.08     0.07      0.022       (  0.690)       0.019         0.002
       2   0.17     0.07      0.022       (  0.687)       0.019         0.002
       3   0.25     0.07      0.022       (  0.685)       0.019         0.002
       4   0.33     0.10      0.032       (  0.682)       0.029         0.003
       5   0.42     0.10      0.032       (  0.679)       0.029         0.003
       6   0.50     0.10      0.032       (  0.677)       0.029         0.003
       7   0.58     0.10      0.032       (  0.674)       0.029         0.003
       8   0.67     0.10      0.032       (  0.671)       0.029         0.003
       9   0.75     0.10      0.032       (  0.669)       0.029         0.003
      10   0.83     0.13      0.043       (  0.666)       0.039         0.004
      11   0.92     0.13      0.043       (  0.664)       0.039         0.004
      12   1.00     0.13      0.043       (  0.661)       0.039         0.004
      13   1.08     0.10      0.032       (  0.658)       0.029         0.003
      14   1.17     0.10      0.032       (  0.656)       0.029         0.003
      15   1.25     0.10      0.032       (  0.653)       0.029         0.003
      16   1.33     0.10      0.032       (  0.650)       0.029         0.003
      17   1.42     0.10      0.032       (  0.648)       0.029         0.003
      18   1.50     0.10      0.032       (  0.645)       0.029         0.003
      19   1.58     0.10      0.032       (  0.643)       0.029         0.003
      20   1.67     0.10      0.032       (  0.640)       0.029         0.003
      21   1.75     0.10      0.032       (  0.638)       0.029         0.003
      22   1.83     0.13      0.043       (  0.635)       0.039         0.004
      23   1.92     0.13      0.043       (  0.632)       0.039         0.004
      24   2.00     0.13      0.043       (  0.630)       0.039         0.004
      25   2.08     0.13      0.043       (  0.627)       0.039         0.004
      26   2.17     0.13      0.043       (  0.625)       0.039         0.004
      27   2.25     0.13      0.043       (  0.622)       0.039         0.004
      28   2.33     0.13      0.043       (  0.620)       0.039         0.004
```

29	2.42	0.13	0.043	(0.617)	0.039	0.004
30	2.50	0.13	0.043	(0.615)	0.039	0.004
31	2.58	0.17	0.054	(0.612)	0.049	0.005
32	2.67	0.17	0.054	(0.610)	0.049	0.005
33	2.75	0.17	0.054	(0.607)	0.049	0.005
34	2.83	0.17	0.054	(0.605)	0.049	0.005
35	2.92	0.17	0.054	(0.602)	0.049	0.005
36	3.00	0.17	0.054	(0.600)	0.049	0.005
37	3.08	0.17	0.054	(0.597)	0.049	0.005
38	3.17	0.17	0.054	(0.595)	0.049	0.005
39	3.25	0.17	0.054	(0.592)	0.049	0.005
40	3.33	0.17	0.054	(0.590)	0.049	0.005
41	3.42	0.17	0.054	(0.587)	0.049	0.005
42	3.50	0.17	0.054	(0.585)	0.049	0.005
43	3.58	0.17	0.054	(0.582)	0.049	0.005
44	3.67	0.17	0.054	(0.580)	0.049	0.005
45	3.75	0.17	0.054	(0.578)	0.049	0.005
46	3.83	0.20	0.065	(0.575)	0.058	0.006
47	3.92	0.20	0.065	(0.573)	0.058	0.006
48	4.00	0.20	0.065	(0.570)	0.058	0.006
49	4.08	0.20	0.065	(0.568)	0.058	0.006
50	4.17	0.20	0.065	(0.565)	0.058	0.006
51	4.25	0.20	0.065	(0.563)	0.058	0.006
52	4.33	0.23	0.076	(0.561)	0.068	0.008
53	4.42	0.23	0.076	(0.558)	0.068	0.008
54	4.50	0.23	0.076	(0.556)	0.068	0.008
55	4.58	0.23	0.076	(0.553)	0.068	0.008
56	4.67	0.23	0.076	(0.551)	0.068	0.008
57	4.75	0.23	0.076	(0.549)	0.068	0.008
58	4.83	0.27	0.086	(0.546)	0.078	0.009
59	4.92	0.27	0.086	(0.544)	0.078	0.009
60	5.00	0.27	0.086	(0.542)	0.078	0.009
61	5.08	0.20	0.065	(0.539)	0.058	0.006
62	5.17	0.20	0.065	(0.537)	0.058	0.006
63	5.25	0.20	0.065	(0.535)	0.058	0.006
64	5.33	0.23	0.076	(0.532)	0.068	0.008
65	5.42	0.23	0.076	(0.530)	0.068	0.008
66	5.50	0.23	0.076	(0.528)	0.068	0.008
67	5.58	0.27	0.086	(0.525)	0.078	0.009
68	5.67	0.27	0.086	(0.523)	0.078	0.009
69	5.75	0.27	0.086	(0.521)	0.078	0.009
70	5.83	0.27	0.086	(0.518)	0.078	0.009
71	5.92	0.27	0.086	(0.516)	0.078	0.009
72	6.00	0.27	0.086	(0.514)	0.078	0.009
73	6.08	0.30	0.097	(0.511)	0.087	0.010
74	6.17	0.30	0.097	(0.509)	0.087	0.010
75	6.25	0.30	0.097	(0.507)	0.087	0.010
76	6.33	0.30	0.097	(0.505)	0.087	0.010
77	6.42	0.30	0.097	(0.502)	0.087	0.010
78	6.50	0.30	0.097	(0.500)	0.087	0.010
79	6.58	0.33	0.108	(0.498)	0.097	0.011
80	6.67	0.33	0.108	(0.496)	0.097	0.011
81	6.75	0.33	0.108	(0.493)	0.097	0.011
82	6.83	0.33	0.108	(0.491)	0.097	0.011
83	6.92	0.33	0.108	(0.489)	0.097	0.011
84	7.00	0.33	0.108	(0.487)	0.097	0.011
85	7.08	0.33	0.108	(0.485)	0.097	0.011
86	7.17	0.33	0.108	(0.482)	0.097	0.011
87	7.25	0.33	0.108	(0.480)	0.097	0.011
88	7.33	0.37	0.119	(0.478)	0.107	0.012
89	7.42	0.37	0.119	(0.476)	0.107	0.012
90	7.50	0.37	0.119	(0.474)	0.107	0.012
91	7.58	0.40	0.130	(0.471)	0.117	0.013
92	7.67	0.40	0.130	(0.469)	0.117	0.013
93	7.75	0.40	0.130	(0.467)	0.117	0.013
94	7.83	0.43	0.140	(0.465)	0.126	0.014
95	7.92	0.43	0.140	(0.463)	0.126	0.014

96	8.00	0.43	0.140	(0.461)	0.126	0.014
97	8.08	0.50	0.162	(0.458)	0.146	0.016
98	8.17	0.50	0.162	(0.456)	0.146	0.016
99	8.25	0.50	0.162	(0.454)	0.146	0.016
100	8.33	0.50	0.162	(0.452)	0.146	0.016
101	8.42	0.50	0.162	(0.450)	0.146	0.016
102	8.50	0.50	0.162	(0.448)	0.146	0.016
103	8.58	0.53	0.173	(0.446)	0.156	0.017
104	8.67	0.53	0.173	(0.444)	0.156	0.017
105	8.75	0.53	0.173	(0.442)	0.156	0.017
106	8.83	0.57	0.184	(0.440)	0.165	0.018
107	8.92	0.57	0.184	(0.437)	0.165	0.018
108	9.00	0.57	0.184	(0.435)	0.165	0.018
109	9.08	0.63	0.205	(0.433)	0.185	0.021
110	9.17	0.63	0.205	(0.431)	0.185	0.021
111	9.25	0.63	0.205	(0.429)	0.185	0.021
112	9.33	0.67	0.216	(0.427)	0.194	0.022
113	9.42	0.67	0.216	(0.425)	0.194	0.022
114	9.50	0.67	0.216	(0.423)	0.194	0.022
115	9.58	0.70	0.227	(0.421)	0.204	0.023
116	9.67	0.70	0.227	(0.419)	0.204	0.023
117	9.75	0.70	0.227	(0.417)	0.204	0.023
118	9.83	0.73	0.238	(0.415)	0.214	0.024
119	9.92	0.73	0.238	(0.413)	0.214	0.024
120	10.00	0.73	0.238	(0.411)	0.214	0.024
121	10.08	0.50	0.162	(0.409)	0.146	0.016
122	10.17	0.50	0.162	(0.407)	0.146	0.016
123	10.25	0.50	0.162	(0.405)	0.146	0.016
124	10.33	0.50	0.162	(0.403)	0.146	0.016
125	10.42	0.50	0.162	(0.401)	0.146	0.016
126	10.50	0.50	0.162	(0.399)	0.146	0.016
127	10.58	0.67	0.216	(0.397)	0.194	0.022
128	10.67	0.67	0.216	(0.395)	0.194	0.022
129	10.75	0.67	0.216	(0.393)	0.194	0.022
130	10.83	0.67	0.216	(0.391)	0.194	0.022
131	10.92	0.67	0.216	(0.390)	0.194	0.022
132	11.00	0.67	0.216	(0.388)	0.194	0.022
133	11.08	0.63	0.205	(0.386)	0.185	0.021
134	11.17	0.63	0.205	(0.384)	0.185	0.021
135	11.25	0.63	0.205	(0.382)	0.185	0.021
136	11.33	0.63	0.205	(0.380)	0.185	0.021
137	11.42	0.63	0.205	(0.378)	0.185	0.021
138	11.50	0.63	0.205	(0.376)	0.185	0.021
139	11.58	0.57	0.184	(0.374)	0.165	0.018
140	11.67	0.57	0.184	(0.373)	0.165	0.018
141	11.75	0.57	0.184	(0.371)	0.165	0.018
142	11.83	0.60	0.194	(0.369)	0.175	0.019
143	11.92	0.60	0.194	(0.367)	0.175	0.019
144	12.00	0.60	0.194	(0.365)	0.175	0.019
145	12.08	0.83	0.270	(0.363)	0.243	0.027
146	12.17	0.83	0.270	(0.362)	0.243	0.027
147	12.25	0.83	0.270	(0.360)	0.243	0.027
148	12.33	0.87	0.281	(0.358)	0.253	0.028
149	12.42	0.87	0.281	(0.356)	0.253	0.028
150	12.50	0.87	0.281	(0.354)	0.253	0.028
151	12.58	0.93	0.302	(0.353)	0.272	0.030
152	12.67	0.93	0.302	(0.351)	0.272	0.030
153	12.75	0.93	0.302	(0.349)	0.272	0.030
154	12.83	0.97	0.313	(0.347)	0.282	0.031
155	12.92	0.97	0.313	(0.345)	0.282	0.031
156	13.00	0.97	0.313	(0.344)	0.282	0.031
157	13.08	1.13	0.367	(0.342)	0.330	0.037
158	13.17	1.13	0.367	(0.340)	0.330	0.037
159	13.25	1.13	0.367	(0.339)	0.330	0.037
160	13.33	1.13	0.367	(0.337)	0.330	0.037
161	13.42	1.13	0.367	(0.335)	0.330	0.037
162	13.50	1.13	0.367	(0.333)	0.330	0.037

163	13.58	0.77	0.248	(0.332)	0.224	0.025
164	13.67	0.77	0.248	(0.330)	0.224	0.025
165	13.75	0.77	0.248	(0.328)	0.224	0.025
166	13.83	0.77	0.248	(0.327)	0.224	0.025
167	13.92	0.77	0.248	(0.325)	0.224	0.025
168	14.00	0.77	0.248	(0.323)	0.224	0.025
169	14.08	0.90	0.292	(0.322)	0.262	0.029
170	14.17	0.90	0.292	(0.320)	0.262	0.029
171	14.25	0.90	0.292	(0.318)	0.262	0.029
172	14.33	0.87	0.281	(0.317)	0.253	0.028
173	14.42	0.87	0.281	(0.315)	0.253	0.028
174	14.50	0.87	0.281	(0.314)	0.253	0.028
175	14.58	0.87	0.281	(0.312)	0.253	0.028
176	14.67	0.87	0.281	(0.310)	0.253	0.028
177	14.75	0.87	0.281	(0.309)	0.253	0.028
178	14.83	0.83	0.270	(0.307)	0.243	0.027
179	14.92	0.83	0.270	(0.306)	0.243	0.027
180	15.00	0.83	0.270	(0.304)	0.243	0.027
181	15.08	0.80	0.259	(0.302)	0.233	0.026
182	15.17	0.80	0.259	(0.301)	0.233	0.026
183	15.25	0.80	0.259	(0.299)	0.233	0.026
184	15.33	0.77	0.248	(0.298)	0.224	0.025
185	15.42	0.77	0.248	(0.296)	0.224	0.025
186	15.50	0.77	0.248	(0.295)	0.224	0.025
187	15.58	0.63	0.205	(0.293)	0.185	0.021
188	15.67	0.63	0.205	(0.292)	0.185	0.021
189	15.75	0.63	0.205	(0.290)	0.185	0.021
190	15.83	0.63	0.205	(0.289)	0.185	0.021
191	15.92	0.63	0.205	(0.287)	0.185	0.021
192	16.00	0.63	0.205	(0.286)	0.185	0.021
193	16.08	0.13	0.043	(0.284)	0.039	0.004
194	16.17	0.13	0.043	(0.283)	0.039	0.004
195	16.25	0.13	0.043	(0.281)	0.039	0.004
196	16.33	0.13	0.043	(0.280)	0.039	0.004
197	16.42	0.13	0.043	(0.279)	0.039	0.004
198	16.50	0.13	0.043	(0.277)	0.039	0.004
199	16.58	0.10	0.032	(0.276)	0.029	0.003
200	16.67	0.10	0.032	(0.274)	0.029	0.003
201	16.75	0.10	0.032	(0.273)	0.029	0.003
202	16.83	0.10	0.032	(0.272)	0.029	0.003
203	16.92	0.10	0.032	(0.270)	0.029	0.003
204	17.00	0.10	0.032	(0.269)	0.029	0.003
205	17.08	0.17	0.054	(0.267)	0.049	0.005
206	17.17	0.17	0.054	(0.266)	0.049	0.005
207	17.25	0.17	0.054	(0.265)	0.049	0.005
208	17.33	0.17	0.054	(0.263)	0.049	0.005
209	17.42	0.17	0.054	(0.262)	0.049	0.005
210	17.50	0.17	0.054	(0.261)	0.049	0.005
211	17.58	0.17	0.054	(0.260)	0.049	0.005
212	17.67	0.17	0.054	(0.258)	0.049	0.005
213	17.75	0.17	0.054	(0.257)	0.049	0.005
214	17.83	0.13	0.043	(0.256)	0.039	0.004
215	17.92	0.13	0.043	(0.254)	0.039	0.004
216	18.00	0.13	0.043	(0.253)	0.039	0.004
217	18.08	0.13	0.043	(0.252)	0.039	0.004
218	18.17	0.13	0.043	(0.251)	0.039	0.004
219	18.25	0.13	0.043	(0.249)	0.039	0.004
220	18.33	0.13	0.043	(0.248)	0.039	0.004
221	18.42	0.13	0.043	(0.247)	0.039	0.004
222	18.50	0.13	0.043	(0.246)	0.039	0.004
223	18.58	0.10	0.032	(0.245)	0.029	0.003
224	18.67	0.10	0.032	(0.243)	0.029	0.003
225	18.75	0.10	0.032	(0.242)	0.029	0.003
226	18.83	0.07	0.022	(0.241)	0.019	0.002
227	18.92	0.07	0.022	(0.240)	0.019	0.002
228	19.00	0.07	0.022	(0.239)	0.019	0.002
229	19.08	0.10	0.032	(0.238)	0.029	0.003

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230  19.17     0.10      0.032       (  0.237)       0.029        0.003
231  19.25     0.10      0.032       (  0.235)       0.029        0.003
232  19.33     0.13      0.043       (  0.234)       0.039        0.004
233  19.42     0.13      0.043       (  0.233)       0.039        0.004
234  19.50     0.13      0.043       (  0.232)       0.039        0.004
235  19.58     0.10      0.032       (  0.231)       0.029        0.003
236  19.67     0.10      0.032       (  0.230)       0.029        0.003
237  19.75     0.10      0.032       (  0.229)       0.029        0.003
238  19.83     0.07      0.022       (  0.228)       0.019        0.002
239  19.92     0.07      0.022       (  0.227)       0.019        0.002
240  20.00     0.07      0.022       (  0.226)       0.019        0.002
241  20.08     0.10      0.032       (  0.225)       0.029        0.003
242  20.17     0.10      0.032       (  0.224)       0.029        0.003
243  20.25     0.10      0.032       (  0.223)       0.029        0.003
244  20.33     0.10      0.032       (  0.222)       0.029        0.003
245  20.42     0.10      0.032       (  0.221)       0.029        0.003
246  20.50     0.10      0.032       (  0.220)       0.029        0.003
247  20.58     0.10      0.032       (  0.219)       0.029        0.003
248  20.67     0.10      0.032       (  0.218)       0.029        0.003
249  20.75     0.10      0.032       (  0.217)       0.029        0.003
250  20.83     0.07      0.022       (  0.217)       0.019        0.002
251  20.92     0.07      0.022       (  0.216)       0.019        0.002
252  21.00     0.07      0.022       (  0.215)       0.019        0.002
253  21.08     0.10      0.032       (  0.214)       0.029        0.003
254  21.17     0.10      0.032       (  0.213)       0.029        0.003
255  21.25     0.10      0.032       (  0.212)       0.029        0.003
256  21.33     0.07      0.022       (  0.211)       0.019        0.002
257  21.42     0.07      0.022       (  0.211)       0.019        0.002
258  21.50     0.07      0.022       (  0.210)       0.019        0.002
259  21.58     0.10      0.032       (  0.209)       0.029        0.003
260  21.67     0.10      0.032       (  0.208)       0.029        0.003
261  21.75     0.10      0.032       (  0.208)       0.029        0.003
262  21.83     0.07      0.022       (  0.207)       0.019        0.002
263  21.92     0.07      0.022       (  0.206)       0.019        0.002
264  22.00     0.07      0.022       (  0.206)       0.019        0.002
265  22.08     0.10      0.032       (  0.205)       0.029        0.003
266  22.17     0.10      0.032       (  0.204)       0.029        0.003
267  22.25     0.10      0.032       (  0.204)       0.029        0.003
268  22.33     0.07      0.022       (  0.203)       0.019        0.002
269  22.42     0.07      0.022       (  0.202)       0.019        0.002
270  22.50     0.07      0.022       (  0.202)       0.019        0.002
271  22.58     0.07      0.022       (  0.201)       0.019        0.002
272  22.67     0.07      0.022       (  0.201)       0.019        0.002
273  22.75     0.07      0.022       (  0.200)       0.019        0.002
274  22.83     0.07      0.022       (  0.199)       0.019        0.002
275  22.92     0.07      0.022       (  0.199)       0.019        0.002
276  23.00     0.07      0.022       (  0.198)       0.019        0.002
277  23.08     0.07      0.022       (  0.198)       0.019        0.002
278  23.17     0.07      0.022       (  0.198)       0.019        0.002
279  23.25     0.07      0.022       (  0.197)       0.019        0.002
280  23.33     0.07      0.022       (  0.197)       0.019        0.002
281  23.42     0.07      0.022       (  0.196)       0.019        0.002
282  23.50     0.07      0.022       (  0.196)       0.019        0.002
283  23.58     0.07      0.022       (  0.196)       0.019        0.002
284  23.67     0.07      0.022       (  0.195)       0.019        0.002
285  23.75     0.07      0.022       (  0.195)       0.019        0.002
286  23.83     0.07      0.022       (  0.195)       0.019        0.002
287  23.92     0.07      0.022       (  0.195)       0.019        0.002
288  24.00     0.07      0.022       (  0.195)       0.019        0.002
            (Loss Rate Not Used)
    Sum =     100.0                                  Sum =     3.2
      Flood volume = Effective rainfall      0.27(In)
       times area      21.1(Ac.)/[(In)/(Ft.)] =       0.5(Ac.Ft)
      Total soil loss =      2.43(In)
      Total soil loss =     4.275(Ac.Ft)
      Total rainfall =      2.70(In)
      Flood volume =       20689.1 Cubic Feet
```

Total soil loss = 186201.5 Cubic Feet

Peak flow rate of this hydrograph = 0.768(CFS)

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24 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q				
0+10	0.0002	0.02	Q				
0+15	0.0004	0.03	Q				
0+20	0.0006	0.04	Q				
0+25	0.0010	0.05	Q				
0+30	0.0014	0.06	Q				
0+35	0.0018	0.06	Q				
0+40	0.0022	0.06	Q				
0+45	0.0027	0.06	Q				
0+50	0.0031	0.07	Q				
0+55	0.0037	0.08	Q				
1+ 0	0.0042	0.08	Q				
1+ 5	0.0048	0.08	Q				
1+10	0.0054	0.08	Q				
1+15	0.0059	0.07	Q				
1+20	0.0064	0.07	Q				
1+25	0.0068	0.07	Q				
1+30	0.0073	0.07	Q				
1+35	0.0078	0.07	Q				
1+40	0.0083	0.07	Q				
1+45	0.0088	0.07	Q				
1+50	0.0093	0.07	Q				
1+55	0.0098	0.08	Q				
2+ 0	0.0104	0.09	Q				
2+ 5	0.0110	0.09	Q				
2+10	0.0116	0.09	Q				
2+15	0.0122	0.09	QV				
2+20	0.0128	0.09	QV				
2+25	0.0135	0.09	QV				
2+30	0.0141	0.09	QV				
2+35	0.0147	0.09	QV				
2+40	0.0154	0.10	QV				
2+45	0.0162	0.11	QV				
2+50	0.0169	0.11	QV				
2+55	0.0177	0.11	QV				
3+ 0	0.0185	0.11	QV				
3+ 5	0.0193	0.11	QV				
3+10	0.0200	0.11	QV				
3+15	0.0208	0.11	QV				
3+20	0.0216	0.11	QV				
3+25	0.0224	0.11	QV				
3+30	0.0232	0.11	QV				
3+35	0.0240	0.11	Q V				
3+40	0.0248	0.11	Q V				
3+45	0.0256	0.11	Q V				
3+50	0.0264	0.12	Q V				
3+55	0.0272	0.12	Q V				
4+ 0	0.0281	0.13	Q V				
4+ 5	0.0290	0.13	Q V				
4+10	0.0300	0.13	Q V				
4+15	0.0309	0.14	Q V				
4+20	0.0318	0.14	Q V				
4+25	0.0329	0.15	Q V				
4+30	0.0339	0.15	Q V				

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 4+35      0.0350      0.16  Q V       |         |         |         |
 4+40      0.0361      0.16  Q  V      |         |         |         |
 4+45      0.0372      0.16  Q  V      |         |         |         |
 4+50      0.0383      0.16  Q  V      |         |         |         |
 4+55      0.0394      0.17  Q  V      |         |         |         |
 5+ 0      0.0406      0.18  Q  V      |         |         |         |
 5+ 5      0.0418      0.17  Q  V      |         |         |         |
 5+10      0.0429      0.16  Q  V      |         |         |         |
 5+15      0.0440      0.15  Q  V      |         |         |         |
 5+20      0.0450      0.15  Q  V      |         |         |         |
 5+25      0.0460      0.15  Q  V      |         |         |         |
 5+30      0.0471      0.16  Q  V      |         |         |         |
 5+35      0.0482      0.16  Q   V     |         |         |         |
 5+40      0.0494      0.17  Q   V     |         |         |         |
 5+45      0.0506      0.18  Q   V     |         |         |         |
 5+50      0.0518      0.18  Q   V     |         |         |         |
 5+55      0.0531      0.18  Q   V     |         |         |         |
 6+ 0      0.0543      0.18  Q   V     |         |         |         |
 6+ 5      0.0556      0.18  Q   V     |         |         |         |
 6+10      0.0569      0.19  Q   V     |         |         |         |
 6+15      0.0583      0.20  Q   V     |         |         |         |
 6+20      0.0597      0.20  Q    V    |         |         |         |
 6+25      0.0611      0.20  Q    V    |         |         |         |
 6+30      0.0625      0.20  Q    V    |         |         |         |
 6+35      0.0639      0.21  Q    V    |         |         |         |
 6+40      0.0654      0.22  Q    V    |         |         |         |
 6+45      0.0669      0.22  Q    V    |         |         |         |
 6+50      0.0685      0.22  Q    V    |         |         |         |
 6+55      0.0700      0.23  Q    V    |         |         |         |
 7+ 0      0.0716      0.23  Q     V   |         |         |         |
 7+ 5      0.0731      0.23  Q     V   |         |         |         |
 7+10      0.0747      0.23  Q     V   |         |         |         |
 7+15      0.0763      0.23  Q     V   |         |         |         |
 7+20      0.0779      0.23  Q     V   |         |         |         |
 7+25      0.0795      0.24  Q     V   |         |         |         |
 7+30      0.0812      0.25  Q     V   |         |         |         |
 7+35      0.0830      0.25  Q     V   |         |         |         |
 7+40      0.0847      0.26  |Q     V   |         |         |         |
 7+45      0.0866      0.27  |Q     V   |         |         |         |
 7+50      0.0884      0.27  |Q     V   |         |         |         |
 7+55      0.0904      0.28  |Q     V   |         |         |         |
 8+ 0      0.0924      0.29  |Q     V   |         |         |         |
 8+ 5      0.0944      0.30  |Q     V   |         |         |         |
 8+10      0.0965      0.31  |Q      V  |         |         |         |
 8+15      0.0988      0.33  |Q      V  |         |         |         |
 8+20      0.1011      0.33  |Q      V  |         |         |         |
 8+25      0.1034      0.34  |Q      V  |         |         |         |
 8+30      0.1057      0.34  |Q      V  |         |         |         |
 8+35      0.1081      0.34  |Q       V|         |         |         |
 8+40      0.1105      0.35  |Q       V|         |         |         |
 8+45      0.1130      0.36  |Q       V|         |         |         |
 8+50      0.1155      0.36  |Q       V|         |         |         |
 8+55      0.1181      0.37  |Q       V|         |         |         |
 9+ 0      0.1207      0.38  |Q        V         |         |         |
 9+ 5      0.1233      0.39  |Q        V         |         |         |
 9+10      0.1261      0.41  |Q        V         |         |         |
 9+15      0.1290      0.42  |Q        V         |         |         |
 9+20      0.1320      0.43  |Q        |V        |         |         |
 9+25      0.1350      0.44  |Q        |V        |         |         |
 9+30      0.1381      0.45  |Q        |V        |         |         |
 9+35      0.1412      0.45  |Q        |V        |         |         |
 9+40      0.1444      0.46  |Q        | V       |         |         |
 9+45      0.1476      0.47  |Q        | V       |         |         |
 9+50      0.1509      0.48  |Q        | V       |         |         |
 9+55      0.1542      0.49  |Q        | V       |         |         |
10+ 0      0.1576      0.49  |Q        |  V      |         |         |
10+ 5      0.1610      0.49  |Q        |  V      |         |         |
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10+10       0.1640      0.43  |Q        |  V       |          |          |
10+15       0.1667      0.39  |Q        |   V      |          |          |
10+20       0.1693      0.38  |Q        |   V      |          |          |
10+25       0.1718      0.37  |Q        |   V      |          |          |
10+30       0.1743      0.36  |Q        |   V      |          |          |
10+35       0.1768      0.37  |Q        |   V      |          |          |
10+40       0.1796      0.40  |Q        |    V     |          |          |
10+45       0.1825      0.43  |Q        |    V     |          |          |
10+50       0.1855      0.44  |Q        |    V     |          |          |
10+55       0.1886      0.45  |Q        |    V     |          |          |
11+ 0       0.1917      0.45  |Q        |     V    |          |          |
11+ 5       0.1948      0.45  |Q        |     V    |          |          |
11+10       0.1979      0.44  |Q        |     V    |          |          |
11+15       0.2009      0.44  |Q        |     V    |          |          |
11+20       0.2039      0.44  |Q        |      V   |          |          |
11+25       0.2069      0.44  |Q        |      V   |          |          |
11+30       0.2099      0.44  |Q        |      V   |          |          |
11+35       0.2129      0.43  |Q        |      V   |          |          |
11+40       0.2158      0.42  |Q        |       V  |          |          |
11+45       0.2186      0.41  |Q        |       V  |          |          |
11+50       0.2214      0.40  |Q        |       V  |          |          |
11+55       0.2242      0.41  |Q        |       V  |          |          |
12+ 0       0.2270      0.41  |Q        |        V |          |          |
12+ 5       0.2300      0.43  |Q        |        V |          |          |
12+10       0.2333      0.48  |Q        |        V |          |          |
12+15       0.2369      0.52  | Q       |        V |          |          |
12+20       0.2406      0.54  | Q       |         V|          |          |
12+25       0.2445      0.56  | Q       |         V|          |          |
12+30       0.2484      0.57  | Q       |         V|          |          |
12+35       0.2524      0.58  | Q       |          |V         |          |
12+40       0.2566      0.60  | Q       |          |V         |          |
12+45       0.2609      0.62  | Q       |          |V         |          |
12+50       0.2652      0.63  | Q       |          | V        |          |
12+55       0.2696      0.64  | Q       |          | V        |          |
13+ 0       0.2741      0.65  | Q       |          |  V       |          |
13+ 5       0.2787      0.67  | Q       |          |  V       |          |
13+10       0.2836      0.71  | Q       |          |  V       |          |
13+15       0.2887      0.74  | Q       |          |   V      |          |
13+20       0.2939      0.75  |  Q      |          |   V      |          |
13+25       0.2991      0.76  |  Q      |          |    V     |          |
13+30       0.3044      0.77  |  Q      |          |    V     |          |
13+35       0.3096      0.75  |  Q      |          |     V    |          |
13+40       0.3142      0.67  | Q       |          |     V    |          |
13+45       0.3183      0.60  | Q       |          |     V    |          |
13+50       0.3223      0.58  | Q       |          |      V   |          |
13+55       0.3262      0.56  | Q       |          |      V   |          |
14+ 0       0.3300      0.55  | Q       |          |      V   |          |
14+ 5       0.3339      0.56  | Q       |          |       V  |          |
14+10       0.3379      0.58  | Q       |          |       V  |          |
14+15       0.3420      0.60  | Q       |          |       V  |          |
14+20       0.3462      0.61  | Q       |          |        V |          |
14+25       0.3503      0.60  | Q       |          |        V |          |
14+30       0.3545      0.60  | Q       |          |        V |          |
14+35       0.3586      0.60  | Q       |          |         V|          |
14+40       0.3627      0.60  | Q       |          |         V|          |
14+45       0.3668      0.60  | Q       |          |         V|          |
14+50       0.3709      0.60  | Q       |          |          |V         |
14+55       0.3749      0.59  | Q       |          |          |V         |
15+ 0       0.3789      0.58  | Q       |          |          |V         |
15+ 5       0.3829      0.58  | Q       |          |          | V        |
15+10       0.3868      0.57  | Q       |          |          | V        |
15+15       0.3907      0.56  | Q       |          |          | V        |
15+20       0.3945      0.56  | Q       |          |          |  V       |
15+25       0.3983      0.55  | Q       |          |          |  V       |
15+30       0.4020      0.54  | Q       |          |          |  V       |
15+35       0.4056      0.53  | Q       |          |          |   V      |
15+40       0.4091      0.50  |Q        |          |          |   V      |
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15+45       0.4123      0.47  |Q        |          |          |   V      |
15+50       0.4154      0.46  |Q        |          |          |   V      |
15+55       0.4186      0.45  |Q        |          |          |    V     |
16+ 0       0.4216      0.45  |Q        |          |          |    V     |
16+ 5       0.4245      0.42  |Q        |          |          |    V     |
16+10       0.4266      0.30  |Q        |          |          |    V     |
16+15       0.4280      0.20  Q         |          |          |     V    |
16+20       0.4291      0.17  Q         |          |          |     V    |
16+25       0.4301      0.14  Q         |          |          |     V    |
16+30       0.4310      0.13  Q         |          |          |     V    |
16+35       0.4318      0.12  Q         |          |          |     V    |
16+40       0.4325      0.10  Q         |          |          |     V    |
16+45       0.4331      0.09  Q         |          |          |     V    |
16+50       0.4337      0.08  Q         |          |          |     V    |
16+55       0.4342      0.08  Q         |          |          |     V    |
17+ 0       0.4348      0.08  Q         |          |          |     V    |
17+ 5       0.4353      0.08  Q         |          |          |     V    |
17+10       0.4359      0.09  Q         |          |          |     V    |
17+15       0.4366      0.10  Q         |          |          |     V    |
17+20       0.4373      0.11  Q         |          |          |     V    |
17+25       0.4381      0.11  Q         |          |          |     V    |
17+30       0.4388      0.11  Q         |          |          |     V    |
17+35       0.4396      0.11  Q         |          |          |      V   |
17+40       0.4404      0.11  Q         |          |          |      V   |
17+45       0.4412      0.11  Q         |          |          |      V   |
17+50       0.4419      0.11  Q         |          |          |      V   |
17+55       0.4427      0.10  Q         |          |          |      V   |
18+ 0       0.4433      0.10  Q         |          |          |      V   |
18+ 5       0.4440      0.10  Q         |          |          |      V   |
18+10       0.4447      0.10  Q         |          |          |      V   |
18+15       0.4453      0.09  Q         |          |          |      V   |
18+20       0.4460      0.09  Q         |          |          |      V   |
18+25       0.4466      0.09  Q         |          |          |      V   |
18+30       0.4472      0.09  Q         |          |          |      V   |
18+35       0.4479      0.09  Q         |          |          |      V   |
18+40       0.4484      0.08  Q         |          |          |      V   |
18+45       0.4490      0.08  Q         |          |          |      V   |
18+50       0.4494      0.07  Q         |          |          |      V   |
18+55       0.4499      0.06  Q         |          |          |      V   |
19+ 0       0.4503      0.06  Q         |          |          |      V   |
19+ 5       0.4506      0.05  Q         |          |          |      V   |
19+10       0.4511      0.06  Q         |          |          |      V   |
19+15       0.4515      0.07  Q         |          |          |       V  |
19+20       0.4520      0.07  Q         |          |          |       V  |
19+25       0.4525      0.08  Q         |          |          |       V  |
19+30       0.4531      0.08  Q         |          |          |       V  |
19+35       0.4537      0.08  Q         |          |          |       V  |
19+40       0.4542      0.08  Q         |          |          |       V  |
19+45       0.4547      0.07  Q         |          |          |       V  |
19+50       0.4552      0.07  Q         |          |          |       V  |
19+55       0.4556      0.06  Q         |          |          |       V  |
20+ 0       0.4560      0.05  Q         |          |          |       V  |
20+ 5       0.4563      0.05  Q         |          |          |       V  |
20+10       0.4568      0.06  Q         |          |          |       V  |
20+15       0.4572      0.06  Q         |          |          |       V  |
20+20       0.4577      0.07  Q         |          |          |       V  |
20+25       0.4581      0.07  Q         |          |          |       V  |
20+30       0.4586      0.07  Q         |          |          |       V  |
20+35       0.4591      0.07  Q         |          |          |       V  |
20+40       0.4595      0.07  Q         |          |          |       V  |
20+45       0.4600      0.07  Q         |          |          |       V  |
20+50       0.4605      0.07  Q         |          |          |       V  |
20+55       0.4609      0.06  Q         |          |          |       V  |
21+ 0       0.4612      0.05  Q         |          |          |       V  |
21+ 5       0.4616      0.05  Q         |          |          |       V  |
21+10       0.4620      0.06  Q         |          |          |       V  |
21+15       0.4624      0.06  Q         |          |          |       V  |
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21+20	0.4629	0.06	Q	|	|	|	V |
21+25	0.4633	0.06	Q	|	|	|	V|
21+30	0.4636	0.05	Q	|	|	|	V|
21+35	0.4640	0.05	Q	|	|	|	V|
21+40	0.4644	0.06	Q	|	|	|	V|
21+45	0.4648	0.06	Q	|	|	|	V|
21+50	0.4653	0.06	Q	|	|	|	V|
21+55	0.4656	0.06	Q	|	|	|	V|
22+ 0	0.4660	0.05	Q	|	|	|	V|
22+ 5	0.4664	0.05	Q	|	|	|	V|
22+10	0.4668	0.06	Q	|	|	|	V|
22+15	0.4672	0.06	Q	|	|	|	V|
22+20	0.4676	0.06	Q	|	|	|	V|
22+25	0.4680	0.06	Q	|	|	|	V|
22+30	0.4684	0.05	Q	|	|	|	V|
22+35	0.4687	0.05	Q	|	|	|	V|
22+40	0.4691	0.05	Q	|	|	|	V|
22+45	0.4694	0.05	Q	|	|	|	V|
22+50	0.4697	0.05	Q	|	|	|	V|
22+55	0.4700	0.05	Q	|	|	|	V|
23+ 0	0.4704	0.05	Q	|	|	|	V|
23+ 5	0.4707	0.05	Q	|	|	|	V|
23+10	0.4710	0.05	Q	|	|	|	V|
23+15	0.4713	0.05	Q	|	|	|	V|
23+20	0.4716	0.05	Q	|	|	|	V|
23+25	0.4719	0.05	Q	|	|	|	V|
23+30	0.4723	0.05	Q	|	|	|	V|
23+35	0.4726	0.05	Q	|	|	|	V|
23+40	0.4729	0.05	Q	|	|	|	V|
23+45	0.4732	0.05	Q	|	|	|	V|
23+50	0.4735	0.05	Q	|	|	|	V|
23+55	0.4738	0.05	Q	|	|	|	V|
24+ 0	0.4742	0.05	Q	|	|	|	V|
24+ 5	0.4745	0.04	Q	|	|	|	V|
24+10	0.4746	0.03	Q	|	|	|	V|
24+15	0.4747	0.01	Q	|	|	|	V|
24+20	0.4748	0.01	Q	|	|	|	V|
24+25	0.4748	0.01	Q	|	|	|	V|
24+30	0.4749	0.00	Q	|	|	|	V|
24+35	0.4749	0.00	Q	|	|	|	V|
24+40	0.4749	0.00	Q	|	|	|	V|
24+45	0.4749	0.00	Q	|	|	|	V|
24+50	0.4749	0.00	Q	|	|	|	V|
24+55	0.4750	0.00	Q	|	|	|	V|
25+ 0	0.4750	0.00	Q	|	|	|	V|
25+ 5	0.4750	0.00	Q	|	|	|	V|

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/16/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRD242.rte

**********HYDROGRAPH DATA**********

Number of intervals = 291
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.633 (CFS)
Total volume = 2.208 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN D- ROUTING
2YR-24HR STORM

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 291
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.180	0.320	0.179	0.181
2.000	0.400	0.490	0.398	0.402
3.000	0.670	0.610	0.668	0.672
4.000	0.990	0.710	0.988	0.992
5.000	1.360	0.800	1.357	1.363
6.000	1.770	0.880	1.767	1.773
7.000	2.250	7.770	2.223	2.277
8.000	2.780	12.820	2.736	2.824
9.000	3.370	16.310	3.314	3.426
10.000	4.020	85.760	3.725	4.315

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	Depth .0 0.9 1.82 2.72 3.63 (Ft.)

0.083	0.10	0.00	0.000	O	|	|	|	0.00
0.167	0.19	0.00	0.001	OI	|	|	|	0.01
0.250	0.21	0.00	0.003	OI	|	|	|	0.01
0.333	0.26	0.01	0.004	O I	|	|	|	0.02
0.417	0.31	0.01	0.006	O I	|	|	|	0.03
0.500	0.32	0.01	0.008	O I	|	|	|	0.05
0.583	0.32	0.02	0.010	O I	|	|	|	0.06
0.667	0.32	0.02	0.012	O I	|	|	|	0.07
0.750	0.32	0.03	0.014	O I	|	|	|	0.08
0.833	0.37	0.03	0.017	O I	|	|	|	0.09
0.917	0.41	0.03	0.019	O I	|	|	|	0.11
1.000	0.42	0.04	0.022	O I	|	|	|	0.12
1.083	0.38	0.04	0.024	O I	|	|	|	0.13
1.167	0.33	0.05	0.026	O I	|	|	|	0.15
1.250	0.32	0.05	0.028	O I	|	|	|	0.16
1.333	0.32	0.05	0.030	O I	|	|	|	0.17
1.417	0.32	0.06	0.032	O I	|	|	|	0.18
1.500	0.32	0.06	0.034	O I	|	|	|	0.19
1.583	0.32	0.06	0.035	O I	|	|	|	0.20
1.667	0.32	0.07	0.037	O I	|	|	|	0.21
1.750	0.32	0.07	0.039	O I	|	|	|	0.22
1.833	0.37	0.07	0.041	O I	|	|	|	0.23
1.917	0.41	0.08	0.043	O I	|	|	|	0.24
2.000	0.42	0.08	0.045	O I	|	|	|	0.25
2.083	0.43	0.08	0.048	O I	|	|	|	0.27
2.167	0.43	0.09	0.050	O I	|	|	|	0.28
2.250	0.43	0.09	0.052	O I	|	|	|	0.29
2.333	0.43	0.10	0.055	O I	|	|	|	0.30
2.417	0.43	0.10	0.057	O I	|	|	|	0.32
2.500	0.43	0.11	0.059	O I	|	|	|	0.33
2.583	0.48	0.11	0.062	O I	|	|	|	0.34
2.667	0.52	0.11	0.064	|O I	|	|	|	0.36
2.750	0.53	0.12	0.067	|O I	|	|	|	0.37
2.833	0.53	0.12	0.070	|O I	|	|	|	0.39
2.917	0.53	0.13	0.073	|O I	|	|	|	0.40
3.000	0.53	0.13	0.075	|O I	|	|	|	0.42
3.083	0.53	0.14	0.078	|O I	|	|	|	0.43
3.167	0.53	0.14	0.081	|O I	|	|	|	0.45
3.250	0.53	0.15	0.084	|O I	|	|	|	0.46
3.333	0.53	0.15	0.086	|O I	|	|	|	0.48
3.417	0.53	0.16	0.089	|O I	|	|	|	0.49
3.500	0.53	0.16	0.091	|O I	|	|	|	0.51
3.583	0.53	0.17	0.094	|O I	|	|	|	0.52
3.667	0.53	0.17	0.096	|O I	|	|	|	0.54
3.750	0.53	0.18	0.099	|O I	|	|	|	0.55
3.833	0.58	0.18	0.102	|O I	|	|	|	0.56
3.917	0.63	0.19	0.104	|O I	|	|	|	0.58
4.000	0.64	0.19	0.108	|O I	|	|	|	0.60
4.083	0.64	0.20	0.111	|O I	|	|	|	0.61
4.167	0.64	0.20	0.114	|O I	|	|	|	0.63
4.250	0.64	0.21	0.117	|O I	|	|	|	0.65
4.333	0.69	0.21	0.120	|O I	|	|	|	0.67
4.417	0.73	0.22	0.123	|O I	|	|	|	0.68
4.500	0.74	0.23	0.127	|O I	|	|	|	0.70
4.583	0.75	0.23	0.130	| O I	|	|	|	0.72
4.667	0.75	0.24	0.134	| O I	|	|	|	0.74
4.750	0.75	0.24	0.137	| O I	|	|	|	0.76
4.833	0.80	0.25	0.141	| O I|	|	|	|	0.78
4.917	0.84	0.26	0.145	| O I|	|	|	|	0.80
5.000	0.85	0.26	0.149	| O I|	|	|	|	0.83
5.083	0.76	0.27	0.153	| O I |	|	|	|	0.85
5.167	0.67	0.28	0.156	| O I |	|	|	|	0.86
5.250	0.65	0.28	0.158	| O I |	|	|	|	0.88
5.333	0.69	0.29	0.161	| O I |	|	|	|	0.89
5.417	0.73	0.29	0.164	| O I |	|	|	|	0.91
5.500	0.74	0.30	0.167	| O I |	|	|	|	0.93
5.583	0.80	0.30	0.170	| O I|	|	|	|	0.94

```
 5.667    0.84    0.31      0.174  | O    I|       |       |       |     0.96
 5.750    0.85    0.32      0.177  | O    I|       |       |       |     0.98
 5.833    0.85    0.32      0.181  | O    I|       |       |       |     1.00
 5.917    0.85    0.32      0.185  | O    I|       |       |       |     1.02
 6.000    0.85    0.33      0.188  | O    I|       |       |       |     1.04
 6.083    0.90    0.33      0.192  | O    I|       |       |       |     1.05
 6.167    0.95    0.33      0.196  | O     I       |       |       |     1.07
 6.250    0.96    0.34      0.200  | O     I       |       |       |     1.09
 6.333    0.96    0.34      0.205  | O     I       |       |       |     1.11
 6.417    0.96    0.34      0.209  |  O    I       |       |       |     1.13
 6.500    0.96    0.35      0.213  |  O    I       |       |       |     1.15
 6.583    1.01    0.35      0.218  |  O    I       |       |       |     1.17
 6.667    1.06    0.35      0.222  |  O    |I      |       |       |     1.19
 6.750    1.06    0.36      0.227  |  O    |I      |       |       |     1.21
 6.833    1.07    0.36      0.232  |  O    |I      |       |       |     1.24
 6.917    1.07    0.36      0.237  |  O    |I      |       |       |     1.26
 7.000    1.07    0.37      0.242  |  O    |I      |       |       |     1.28
 7.083    1.07    0.37      0.247  |  O    |I      |       |       |     1.30
 7.167    1.07    0.38      0.251  |  O    |I      |       |       |     1.32
 7.250    1.07    0.38      0.256  |  O    |I      |       |       |     1.35
 7.333    1.12    0.38      0.261  |  O    |I      |       |       |     1.37
 7.417    1.16    0.39      0.266  |  O    | I     |       |       |     1.39
 7.500    1.17    0.39      0.272  |  O    | I     |       |       |     1.42
 7.583    1.22    0.40      0.277  |  O    | I     |       |       |     1.44
 7.667    1.27    0.40      0.283  |  O    |  I    |       |       |     1.47
 7.750    1.28    0.40      0.289  |  O    |  I    |       |       |     1.50
 7.833    1.33    0.41      0.295  |  O    |  I    |       |       |     1.52
 7.917    1.38    0.41      0.302  |  O    |   I   |       |       |     1.55
 8.000    1.38    0.42      0.308  |  O    |   I   |       |       |     1.58
 8.083    1.49    0.42      0.315  |  O    |    I  |       |       |     1.61
 8.167    1.58    0.43      0.323  |  O    |    I  |       |       |     1.65
 8.250    1.59    0.44      0.331  |  O    |     I |       |       |     1.69
 8.333    1.60    0.44      0.339  |  O    |     I |       |       |     1.72
 8.417    1.60    0.45      0.347  |  O    |     I |       |       |     1.76
 8.500    1.60    0.45      0.355  |   O   |     I |       |       |     1.79
 8.583    1.65    0.46      0.363  |   O   |     I |       |       |     1.83
 8.667    1.70    0.47      0.371  |   O   |     I |       |       |     1.87
 8.750    1.71    0.47      0.380  |   O   |      I|       |       |     1.91
 8.833    1.76    0.48      0.388  |   O   |      I|       |       |     1.95
 8.917    1.80    0.49      0.397  |   O   |      I|       |       |     1.99
 9.000    1.81    0.49      0.406  |   O   |      I|       |       |     2.02
 9.083    1.91    0.50      0.416  |   O   |       I       |       |     2.06
 9.167    2.00    0.50      0.426  |   O   |       |I      |       |     2.10
 9.250    2.02    0.51      0.436  |   O   |       |I      |       |     2.13
 9.333    2.08    0.51      0.447  |   O   |       | I     |       |     2.17
 9.417    2.12    0.52      0.458  |   O   |       | I     |       |     2.21
 9.500    2.13    0.52      0.469  |   O   |       | I     |       |     2.25
 9.583    2.19    0.53      0.480  |   O   |       |  I    |       |     2.30
 9.667    2.23    0.53      0.492  |   O   |       |  I    |       |     2.34
 9.750    2.24    0.54      0.503  |   O   |       |  I    |       |     2.38
 9.833    2.29    0.54      0.515  |   O   |       |   I   |       |     2.43
 9.917    2.34    0.55      0.527  |   O   |       |   I   |       |     2.47
10.000    2.35    0.55      0.540  |   O   |       |   I   |       |     2.52
10.083    2.01    0.56      0.551  |   O   |       |I      |       |     2.56
10.167    1.69    0.56      0.560  |   O   |     I |       |       |     2.59
10.250    1.63    0.56      0.567  |   O   |     I |       |       |     2.62
10.333    1.60    0.57      0.575  |   O   |     I |       |       |     2.65
10.417    1.60    0.57      0.582  |    O  |     I |       |       |     2.67
10.500    1.60    0.57      0.589  |    O  |     I |       |       |     2.70
10.583    1.84    0.58      0.597  |    O  |       I       |       |     2.73
10.667    2.07    0.58      0.606  |    O  |       | I     |       |     2.76
10.750    2.12    0.59      0.617  |    O  |       | I     |       |     2.80
10.833    2.14    0.59      0.627  |    O  |       | I     |       |     2.84
10.917    2.14    0.60      0.638  |    O  |       | I     |       |     2.88
11.000    2.14    0.60      0.648  |    O  |       | I     |       |     2.92
11.083    2.09    0.61      0.659  |    O  |       | I     |       |     2.96
11.167    2.04    0.61      0.669  |    O  |       |I      |       |     3.00
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11.250	2.03	0.61	0.679	O	I			3.03
11.333	2.03	0.62	0.688	O	I			3.06
11.417	2.03	0.62	0.698	O	I			3.09
11.500	2.03	0.62	0.708	O	I			3.12
11.583	1.93	0.62	0.717	O	I			3.15
11.667	1.84	0.63	0.726	O	I			3.17
11.750	1.82	0.63	0.734	O	I			3.20
11.833	1.86	0.63	0.743	O	I			3.23
11.917	1.91	0.64	0.751	O	I			3.25
12.000	1.92	0.64	0.760	O	I			3.28
12.083	2.26	0.64	0.770	O	I			3.31
12.167	2.58	0.65	0.782	O	I			3.35
12.250	2.64	0.65	0.796	O	I			3.39
12.333	2.72	0.65	0.810	O	I			3.44
12.417	2.76	0.66	0.824	O	I			3.48
12.500	2.77	0.66	0.839	O	I			3.53
12.583	2.87	0.67	0.854	O	I			3.57
12.667	2.97	0.67	0.869	O	I			3.62
12.750	2.98	0.68	0.885	O	I			3.67
12.833	3.04	0.68	0.901	O	I			3.72
12.917	3.09	0.69	0.917	O	I			3.77
13.000	3.09	0.69	0.934	O	I			3.82
13.083	3.34	0.70	0.951	O	I			3.88
13.167	3.57	0.70	0.970	O	I			3.94
13.250	3.61	0.71	0.990	O	I			4.00
13.333	3.63	0.71	1.010	O	I			4.05
13.417	3.63	0.72	1.030	O	I			4.11
13.500	3.63	0.72	1.050	O	I			4.16
13.583	3.10	0.73	1.068	O	I			4.21
13.667	2.60	0.73	1.083	O	I			4.25
13.750	2.50	0.74	1.096	O	I			4.29
13.833	2.46	0.74	1.108	O	I			4.32
13.917	2.46	0.74	1.119	O	I			4.35
14.000	2.46	0.74	1.131	O	I			4.38
14.083	2.65	0.75	1.144	O	I			4.42
14.167	2.83	0.75	1.157	O	I			4.45
14.250	2.87	0.75	1.172	O	I			4.49
14.333	2.84	0.76	1.186	O	I			4.53
14.417	2.79	0.76	1.200	O	I			4.57
14.500	2.78	0.76	1.214	O	I			4.61
14.583	2.78	0.77	1.228	O	I			4.64
14.667	2.78	0.77	1.242	O	I			4.68
14.750	2.78	0.77	1.256	O	I			4.72
14.833	2.73	0.78	1.269	O	I			4.76
14.917	2.68	0.78	1.283	O	I			4.79
15.000	2.68	0.78	1.296	O	I			4.83
15.083	2.62	0.79	1.309	O	I			4.86
15.167	2.58	0.79	1.321	O	I			4.89
15.250	2.57	0.79	1.333	O	I			4.93
15.333	2.52	0.80	1.345	O	I			4.96
15.417	2.47	0.80	1.357	O	I			4.99
15.500	2.46	0.80	1.369	O	I			5.02
15.583	2.26	0.80	1.379	O	I			5.05
15.667	2.08	0.81	1.389	O	I			5.07
15.750	2.05	0.81	1.397	O	I			5.09
15.833	2.03	0.81	1.406	O	I			5.11
15.917	2.03	0.81	1.414	O	I			5.13
16.000	2.03	0.81	1.423	O	I			5.15
16.083	1.31	**0.81**	**1.429**	**O**	**I**			**5.17**
16.167	0.62	0.81	1.430	O	I			5.17
16.250	0.49	0.81	1.428	O	I			5.17
16.333	0.43	0.81	1.425	O	I			5.16
16.417	0.43	0.81	1.423	O	I			5.15
16.500	0.43	0.81	1.420	O	I			5.15
16.583	0.38	0.81	1.417	O	I			5.14
16.667	0.33	0.81	1.414	O	I			5.13
16.750	0.32	0.81	1.411	O	I			5.12

16.833	0.32	0.81	1.407	| I O|	|	|	|	5.12
16.917	0.32	0.81	1.404	| I O|	|	|	|	5.11
17.000	0.32	0.81	1.401	| I O|	|	|	|	5.10
17.083	0.42	0.81	1.398	| I O|	|	|	|	5.09
17.167	0.51	0.81	1.395	| I O|	|	|	|	5.09
17.250	0.53	0.81	1.393	| I O|	|	|	|	5.08
17.333	0.53	0.81	1.391	| I O|	|	|	|	5.08
17.417	0.53	0.81	1.390	| I O|	|	|	|	5.07
17.500	0.53	0.81	1.388	| I O|	|	|	|	5.07
17.583	0.53	0.81	1.386	| I O|	|	|	|	5.06
17.667	0.53	0.80	1.384	| I O|	|	|	|	5.06
17.750	0.53	0.80	1.382	| I O|	|	|	|	5.05
17.833	0.49	0.80	1.380	| I O|	|	|	|	5.05
17.917	0.44	0.80	1.378	| I O|	|	|	|	5.04
18.000	0.43	0.80	1.375	| I O|	|	|	|	5.04
18.083	0.43	0.80	1.373	| I O|	|	|	|	5.03
18.167	0.43	0.80	1.370	| I O|	|	|	|	5.02
18.250	0.43	0.80	1.367	| I O|	|	|	|	5.02
18.333	0.43	0.80	1.365	| I O|	|	|	|	5.01
18.417	0.43	0.80	1.362	| I O|	|	|	|	5.01
18.500	0.43	0.80	1.360	| I O|	|	|	|	5.00
18.583	0.38	0.80	1.357	| I O|	|	|	|	4.99
18.667	0.33	0.80	1.354	| I O|	|	|	|	4.98
18.750	0.32	0.80	1.351	| I O|	|	|	|	4.98
18.833	0.27	0.80	1.347	| I O|	|	|	|	4.97
18.917	0.23	0.80	1.344	|I O|	|	|	|	4.96
19.000	0.22	0.80	1.340	|I O|	|	|	|	4.94
19.083	0.26	0.79	1.336	| I O |	|	|	|	4.93
19.167	0.31	0.79	1.332	| I O |	|	|	|	4.93
19.250	0.32	0.79	1.329	| I O |	|	|	|	4.92
19.333	0.37	0.79	1.326	| I O |	|	|	|	4.91
19.417	0.41	0.79	1.323	| I O |	|	|	|	4.90
19.500	0.42	0.79	1.321	| I O |	|	|	|	4.89
19.583	0.38	0.79	1.318	| I O |	|	|	|	4.89
19.667	0.33	0.79	1.315	| I O |	|	|	|	4.88
19.750	0.32	0.79	1.312	| I O |	|	|	|	4.87
19.833	0.27	0.79	1.308	| I O |	|	|	|	4.86
19.917	0.23	0.79	1.305	|I O |	|	|	|	4.85
20.000	0.22	0.79	1.301	|I O |	|	|	|	4.84
20.083	0.26	0.78	1.297	| I O |	|	|	|	4.83
20.167	0.31	0.78	1.294	| I O |	|	|	|	4.82
20.250	0.32	0.78	1.290	| I O |	|	|	|	4.81
20.333	0.32	0.78	1.287	| I O |	|	|	|	4.80
20.417	0.32	0.78	1.284	| I O |	|	|	|	4.79
20.500	0.32	0.78	1.281	| I O |	|	|	|	4.79
20.583	0.32	0.78	1.278	| I O |	|	|	|	4.78
20.667	0.32	0.78	1.274	| I O |	|	|	|	4.77
20.750	0.32	0.78	1.271	| I O |	|	|	|	4.76
20.833	0.27	0.78	1.268	| I O |	|	|	|	4.75
20.917	0.23	0.78	1.264	|I O |	|	|	|	4.74
21.000	0.22	0.78	1.261	|I O |	|	|	|	4.73
21.083	0.26	0.77	1.257	| I O |	|	|	|	4.72
21.167	0.31	0.77	1.253	| I O |	|	|	|	4.71
21.250	0.32	0.77	1.250	| I O |	|	|	|	4.70
21.333	0.27	0.77	1.247	| I O |	|	|	|	4.69
21.417	0.23	0.77	1.243	|I O |	|	|	|	4.68
21.500	0.22	0.77	1.240	|I O |	|	|	|	4.67
21.583	0.26	0.77	1.236	| I O |	|	|	|	4.66
21.667	0.31	0.77	1.233	| I O |	|	|	|	4.66
21.750	0.32	0.77	1.229	| I O |	|	|	|	4.65
21.833	0.27	0.77	1.226	| I O |	|	|	|	4.64
21.917	0.23	0.77	1.223	|I O |	|	|	|	4.63
22.000	0.22	0.77	1.219	|I O |	|	|	|	4.62
22.083	0.26	0.76	1.215	| I O |	|	|	|	4.61
22.167	0.31	0.76	1.212	| I O |	|	|	|	4.60
22.250	0.32	0.76	1.209	| I O |	|	|	|	4.59
22.333	0.27	0.76	1.206	| I O |	|	|	|	4.58

22.417	0.23	0.76	1.202	|I	O |	|	|	4.57
22.500	0.22	0.76	1.198	|I	O |	|	|	4.56
22.583	0.21	0.76	1.195	|I	O |	|	|	4.55
22.667	0.21	0.76	1.191	|I	O |	|	|	4.54
22.750	0.21	0.76	1.187	|I	O |	|	|	4.53
22.833	0.21	0.76	1.183	|I	O |	|	|	4.52
22.917	0.21	0.76	1.180	|I	O |	|	|	4.51
23.000	0.21	0.76	1.176	|I	O |	|	|	4.50
23.083	0.21	0.75	1.172	|I	O |	|	|	4.49
23.167	0.21	0.75	1.168	|I	O |	|	|	4.48
23.250	0.21	0.75	1.165	|I	O |	|	|	4.47
23.333	0.21	0.75	1.161	|I	O |	|	|	4.46
23.417	0.21	0.75	1.157	|I	O |	|	|	4.45
23.500	0.21	0.75	1.154	|I	O |	|	|	4.44
23.583	0.21	0.75	1.150	|I	O |	|	|	4.43
23.667	0.21	0.75	1.146	|I	O |	|	|	4.42
23.750	0.21	0.75	1.143	|I	O |	|	|	4.41
23.833	0.21	0.75	1.139	|I	O |	|	|	4.40
23.917	0.21	0.75	1.135	|I	O |	|	|	4.39
24.000	0.21	0.74	1.132	|I	O |	|	|	4.38
24.083	0.12	0.74	1.128	|I	O |	|	|	4.37
24.167	0.03	0.74	1.123	I	O |	|	|	4.36
24.250	0.01	0.74	1.118	I	O |	|	|	4.35
24.333	0.00	0.74	1.113	I	O |	|	|	4.33
24.417	0.00	0.74	1.108	I	O |	|	|	4.32
24.500	0.00	0.74	1.103	I	O |	|	|	4.30
24.583	0.00	0.74	1.098	I	O |	|	|	4.29
24.667	0.00	0.73	1.093	I	O |	|	|	4.28
24.750	0.00	0.73	1.088	I	O |	|	|	4.26
24.833	0.00	0.73	1.083	I	O |	|	|	4.25
24.917	0.00	0.73	1.078	I	O |	|	|	4.24
25.000	0.00	0.73	1.072	I	O |	|	|	4.22
25.083	0.00	0.73	1.067	I	O |	|	|	4.21
25.167	0.00	0.73	1.062	I	O |	|	|	4.20
25.250	0.00	0.73	1.057	I	O |	|	|	4.18
25.333	0.00	0.73	1.052	I	O |	|	|	4.17
25.417	0.00	0.72	1.047	I	O |	|	|	4.16
25.500	0.00	0.72	1.042	I	O |	|	|	4.14
25.583	0.00	0.72	1.037	I	O |	|	|	4.13
25.667	0.00	0.72	1.033	I	O |	|	|	4.11
25.750	0.00	0.72	1.028	I	O |	|	|	4.10
25.833	0.00	0.72	1.023	I	O |	|	|	4.09
25.917	0.00	0.72	1.018	I	O |	|	|	4.07
26.000	0.00	0.72	1.013	I	O |	|	|	4.06
26.083	0.00	0.71	1.008	I	O |	|	|	4.05
26.167	0.00	0.71	1.003	I	O |	|	|	4.03
26.250	0.00	0.71	0.998	I	O |	|	|	4.02
26.333	0.00	0.71	0.993	I	O |	|	|	4.01
26.417	0.00	0.71	0.988	I	O |	|	|	3.99
26.500	0.00	0.71	0.983	I	O |	|	|	3.98
26.583	0.00	0.71	0.978	I	O |	|	|	3.96
26.667	0.00	0.70	0.974	I	O |	|	|	3.95
26.750	0.00	0.70	0.969	I	O |	|	|	3.93
26.833	0.00	0.70	0.964	I	O |	|	|	3.92
26.917	0.00	0.70	0.959	I	O |	|	|	3.90
27.000	0.00	0.70	0.954	I	O |	|	|	3.89
27.083	0.00	0.70	0.949	I	O |	|	|	3.87
27.167	0.00	0.70	0.945	I	O |	|	|	3.86
27.250	0.00	0.69	0.940	I	O |	|	|	3.84
27.333	0.00	0.69	0.935	I	O |	|	|	3.83
27.417	0.00	0.69	0.930	I	O |	|	|	3.81
27.500	0.00	0.69	0.926	I	O |	|	|	3.80
27.583	0.00	0.69	0.921	I	O |	|	|	3.78
27.667	0.00	0.69	0.916	I	O |	|	|	3.77
27.750	0.00	0.69	0.911	I	O |	|	|	3.75
27.833	0.00	0.68	0.907	I	O |	|	|	3.74
27.917	0.00	0.68	0.902	I	O |	|	|	3.72

28.000	0.00	0.68	0.897	I	O	|	|	|	|	3.71
28.083	0.00	0.68	0.893	I	O	|	|	|	|	3.70
28.167	0.00	0.68	0.888	I	O	|	|	|	|	3.68
28.250	0.00	0.68	0.883	I	O	|	|	|	|	3.67
28.333	0.00	0.68	0.879	I	O	|	|	|	|	3.65
28.417	0.00	0.67	0.874	I	O	|	|	|	|	3.64
28.500	0.00	0.67	0.869	I	O	|	|	|	|	3.62
28.583	0.00	0.67	0.865	I	O	|	|	|	|	3.61
28.667	0.00	0.67	0.860	I	O	|	|	|	|	3.59
28.750	0.00	0.67	0.855	I	O	|	|	|	|	3.58
28.833	0.00	0.67	0.851	I	O	|	|	|	|	3.57
28.917	0.00	0.67	0.846	I	O	|	|	|	|	3.55
29.000	0.00	0.66	0.842	I	O	|	|	|	|	3.54
29.083	0.00	0.66	0.837	I	O	|	|	|	|	3.52
29.167	0.00	0.66	0.833	I	O	|	|	|	|	3.51
29.250	0.00	0.66	0.828	I	O	|	|	|	|	3.49
29.333	0.00	0.66	0.823	I	O	|	|	|	|	3.48
29.417	0.00	0.66	0.819	I	O	|	|	|	|	3.47
29.500	0.00	0.66	0.814	I	O	|	|	|	|	3.45
29.583	0.00	0.65	0.810	I	O	|	|	|	|	3.44
29.667	0.00	0.65	0.805	I	O	|	|	|	|	3.42
29.750	0.00	0.65	0.801	I	O	|	|	|	|	3.41
29.833	0.00	0.65	0.796	I	O	|	|	|	|	3.40
29.917	0.00	0.65	0.792	I	O	|	|	|	|	3.38
30.000	0.00	0.65	0.788	I	O	|	|	|	|	3.37
30.083	0.00	0.65	0.783	I	O	|	|	|	|	3.35
30.167	0.00	0.64	0.779	I	O	|	|	|	|	3.34
30.250	0.00	0.64	0.774	I	O	|	|	|	|	3.33
30.333	0.00	0.64	0.770	I	O	|	|	|	|	3.31
30.417	0.00	0.64	0.765	I	O	|	|	|	|	3.30
30.500	0.00	0.64	0.761	I	O	|	|	|	|	3.28
30.583	0.00	0.64	0.757	I	O	|	|	|	|	3.27
30.667	0.00	0.64	0.752	I	O	|	|	|	|	3.26
30.750	0.00	0.63	0.748	I	O	|	|	|	|	3.24
30.833	0.00	0.63	0.743	I	O	|	|	|	|	3.23
30.917	0.00	0.63	0.739	I	O	|	|	|	|	3.22
31.000	0.00	0.63	0.735	I	O	|	|	|	|	3.20
31.083	0.00	0.63	0.730	I	O	|	|	|	|	3.19
31.167	0.00	0.63	0.726	I	O	|	|	|	|	3.18
31.250	0.00	0.63	0.722	I	O	|	|	|	|	3.16
31.333	0.00	0.62	0.717	I	O	|	|	|	|	3.15
31.417	0.00	0.62	0.713	I	O	|	|	|	|	3.13
31.500	0.00	0.62	0.709	I	O	|	|	|	|	3.12
31.583	0.00	0.62	0.705	I	O	|	|	|	|	3.11
31.667	0.00	0.62	0.700	I	O	|	|	|	|	3.09
31.750	0.00	0.62	0.696	I	O	|	|	|	|	3.08
31.833	0.00	0.62	0.692	I	O	|	|	|	|	3.07
31.917	0.00	0.62	0.688	I	O	|	|	|	|	3.05
32.000	0.00	0.61	0.683	I	O	|	|	|	|	3.04
32.083	0.00	0.61	0.679	I	O	|	|	|	|	3.03
32.167	0.00	0.61	0.675	I	O	|	|	|	|	3.02
32.250	0.00	0.61	0.671	I	O	|	|	|	|	3.00
32.333	0.00	0.61	0.667	I	O	|	|	|	|	2.99
32.417	0.00	0.61	0.662	I	O	|	|	|	|	2.97
32.500	0.00	0.60	0.658	I	O	|	|	|	|	2.96
32.583	0.00	0.60	0.654	I	O	|	|	|	|	2.94
32.667	0.00	0.60	0.650	I	O	|	|	|	|	2.93
32.750	0.00	0.60	0.646	I	O	|	|	|	|	2.91
32.833	0.00	0.60	0.642	I	O	|	|	|	|	2.89
32.917	0.00	0.60	0.637	I	O	|	|	|	|	2.88
33.000	0.00	0.59	0.633	I	O	|	|	|	|	2.86
33.083	0.00	0.59	0.629	I	O	|	|	|	|	2.85
33.167	0.00	0.59	0.625	I	O	|	|	|	|	2.83
33.250	0.00	0.59	0.621	I	O	|	|	|	|	2.82
33.333	0.00	0.59	0.617	I	O	|	|	|	|	2.80
33.417	0.00	0.58	0.613	I	O	|	|	|	|	2.79
33.500	0.00	0.58	0.609	I	O	|	|	|	|	2.77

33.583	0.00	0.58	0.605	I	O	|	|	|	| 2.76
33.667	0.00	0.58	0.601	I	O	|	|	|	| 2.74
33.750	0.00	0.58	0.597	I	O	|	|	|	| 2.73
33.833	0.00	0.58	0.593	I	O	|	|	|	| 2.72
33.917	0.00	0.57	0.589	I	O	|	|	|	| 2.70
34.000	0.00	0.57	0.585	I	O	|	|	|	| 2.69
34.083	0.00	0.57	0.581	I	O	|	|	|	| 2.67
34.167	0.00	0.57	0.577	I	O	|	|	|	| 2.66
34.250	0.00	0.57	0.573	I	O	|	|	|	| 2.64
34.333	0.00	0.57	0.570	I	O	|	|	|	| 2.63
34.417	0.00	0.56	0.566	I	O	|	|	|	| 2.61
34.500	0.00	0.56	0.562	I	O	|	|	|	| 2.60
34.583	0.00	0.56	0.558	I	O	|	|	|	| 2.58
34.667	0.00	0.56	0.554	I	O	|	|	|	| 2.57
34.750	0.00	0.56	0.550	I	O	|	|	|	| 2.56
34.833	0.00	0.56	0.546	I	O	|	|	|	| 2.54
34.917	0.00	0.55	0.543	I	O	|	|	|	| 2.53
35.000	0.00	0.55	0.539	I	O	|	|	|	| 2.51
35.083	0.00	0.55	0.535	I	O	|	|	|	| 2.50
35.167	0.00	0.55	0.531	I	O	|	|	|	| 2.49
35.250	0.00	0.55	0.527	I	O	|	|	|	| 2.47
35.333	0.00	0.54	0.524	I	O	|	|	|	| 2.46
35.417	0.00	0.54	0.520	I	O	|	|	|	| 2.44
35.500	0.00	0.54	0.516	I	O	|	|	|	| 2.43
35.583	0.00	0.54	0.512	I	O	|	|	|	| 2.42
35.667	0.00	0.54	0.509	I	O	|	|	|	| 2.40
35.750	0.00	0.54	0.505	I	O	|	|	|	| 2.39
35.833	0.00	0.54	0.501	I	O	|	|	|	| 2.38
35.917	0.00	0.53	0.498	I	O	|	|	|	| 2.36
36.000	0.00	0.53	0.494	I	O	|	|	|	| 2.35
36.083	0.00	0.53	0.490	I	O	|	|	|	| 2.33
36.167	0.00	0.53	0.487	I	O	|	|	|	| 2.32
36.250	0.00	0.53	0.483	I	O	|	|	|	| 2.31
36.333	0.00	0.53	0.479	I	O	|	|	|	| 2.29
36.417	0.00	0.52	0.476	I	O	|	|	|	| 2.28
36.500	0.00	0.52	0.472	I	O	|	|	|	| 2.27
36.583	0.00	0.52	0.469	I	O	|	|	|	| 2.25
36.667	0.00	0.52	0.465	I	O	|	|	|	| 2.24
36.750	0.00	0.52	0.461	I	O	|	|	|	| 2.23
36.833	0.00	0.52	0.458	I	O	|	|	|	| 2.21
36.917	0.00	0.51	0.454	I	O	|	|	|	| 2.20
37.000	0.00	0.51	0.451	I	O	|	|	|	| 2.19
37.083	0.00	0.51	0.447	I	O	|	|	|	| 2.18
37.167	0.00	0.51	0.444	I	O	|	|	|	| 2.16
37.250	0.00	0.51	0.440	I	O	|	|	|	| 2.15
37.333	0.00	0.51	0.437	I	O	|	|	|	| 2.14
37.417	0.00	0.50	0.433	I	O	|	|	|	| 2.12
37.500	0.00	0.50	0.430	I	O	|	|	|	| 2.11
37.583	0.00	0.50	0.426	I	O	|	|	|	| 2.10
37.667	0.00	0.50	0.423	I	O	|	|	|	| 2.09
37.750	0.00	0.50	0.420	I	O	|	|	|	| 2.07
37.833	0.00	0.50	0.416	I	O	|	|	|	| 2.06
37.917	0.00	0.50	0.413	I	O	|	|	|	| 2.05
38.000	0.00	0.49	0.409	I	O	|	|	|	| 2.03
38.083	0.00	0.49	0.406	I	O	|	|	|	| 2.02
38.167	0.00	0.49	0.402	I	O	|	|	|	| 2.01
38.250	0.00	0.49	0.399	I	O	|	|	|	| 2.00
38.333	0.00	0.49	0.396	I	O	|	|	|	| 1.98
38.417	0.00	0.48	0.392	I	O	|	|	|	| 1.97
38.500	0.00	0.48	0.389	I	O	|	|	|	| 1.95
38.583	0.00	0.48	0.386	I	O	|	|	|	| 1.94
38.667	0.00	0.48	0.382	I	O	|	|	|	| 1.92
38.750	0.00	0.47	0.379	I	O	|	|	|	| 1.91
38.833	0.00	0.47	0.376	I	O	|	|	|	| 1.89
38.917	0.00	0.47	0.373	I	O	|	|	|	| 1.88
39.000	0.00	0.47	0.369	I	O	|	|	|	| 1.86
39.083	0.00	0.46	0.366	I	O	|	|	|	| 1.85

39.167	0.00	0.46	0.363	I O	|	|	|	1.83
39.250	0.00	0.46	0.360	I O	|	|	|	1.82
39.333	0.00	0.46	0.357	I O	|	|	|	1.80
39.417	0.00	0.45	0.354	I O	|	|	|	1.79
39.500	0.00	0.45	0.351	I O	|	|	|	1.78
39.583	0.00	0.45	0.347	I O	|	|	|	1.76
39.667	0.00	0.45	0.344	I O	|	|	|	1.75
39.750	0.00	0.44	0.341	I O	|	|	|	1.73
39.833	0.00	0.44	0.338	I O	|	|	|	1.72
39.917	0.00	0.44	0.335	I O	|	|	|	1.71
40.000	0.00	0.44	0.332	I O	|	|	|	1.69
40.083	0.00	0.44	0.329	I O	|	|	|	1.68
40.167	0.00	0.43	0.326	I O	|	|	|	1.66
40.250	0.00	0.43	0.323	I O	|	|	|	1.65
40.333	0.00	0.43	0.320	I O	|	|	|	1.64
40.417	0.00	0.43	0.317	I O	|	|	|	1.62
40.500	0.00	0.42	0.314	I O	|	|	|	1.61
40.583	0.00	0.42	0.311	I O	|	|	|	1.60
40.667	0.00	0.42	0.309	I O	|	|	|	1.58
40.750	0.00	0.42	0.306	I O	|	|	|	1.57
40.833	0.00	0.41	0.303	I O	|	|	|	1.56
40.917	0.00	0.41	0.300	I O	|	|	|	1.55
41.000	0.00	0.41	0.297	I O	|	|	|	1.53
41.083	0.00	0.41	0.294	I O	|	|	|	1.52
41.167	0.00	0.41	0.291	I O	|	|	|	1.51
41.250	0.00	0.40	0.289	I O	|	|	|	1.49
41.333	0.00	0.40	0.286	I O	|	|	|	1.48
41.417	0.00	0.40	0.283	I O	|	|	|	1.47
41.500	0.00	0.40	0.280	I O	|	|	|	1.46
41.583	0.00	0.40	0.278	I O	|	|	|	1.44
41.667	0.00	0.39	0.275	I O	|	|	|	1.43
41.750	0.00	0.39	0.272	I O	|	|	|	1.42
41.833	0.00	0.39	0.270	I O	|	|	|	1.41
41.917	0.00	0.39	0.267	I O	|	|	|	1.40
42.000	0.00	0.39	0.264	I O	|	|	|	1.38
42.083	0.00	0.38	0.262	I O	|	|	|	1.37
42.167	0.00	0.38	0.259	I O	|	|	|	1.36
42.250	0.00	0.38	0.256	I O	|	|	|	1.35
42.333	0.00	0.38	0.254	I O	|	|	|	1.34
42.417	0.00	0.37	0.251	I O	|	|	|	1.32
42.500	0.00	0.37	0.249	I O	|	|	|	1.31
42.583	0.00	0.37	0.246	I O	|	|	|	1.30
42.667	0.00	0.37	0.243	I O	|	|	|	1.29
42.750	0.00	0.37	0.241	I O	|	|	|	1.28
42.833	0.00	0.37	0.238	I O	|	|	|	1.27
42.917	0.00	0.36	0.236	I O	|	|	|	1.25
43.000	0.00	0.36	0.233	I O	|	|	|	1.24
43.083	0.00	0.36	0.231	I O	|	|	|	1.23
43.167	0.00	0.36	0.228	I O	|	|	|	1.22
43.250	0.00	0.36	0.226	I O	|	|	|	1.21
43.333	0.00	0.35	0.224	I O	|	|	|	1.20
43.417	0.00	0.35	0.221	I O	|	|	|	1.19
43.500	0.00	0.35	0.219	I O	|	|	|	1.18
43.583	0.00	0.35	0.216	I O	|	|	|	1.17
43.667	0.00	0.35	0.214	I O	|	|	|	1.15
43.750	0.00	0.34	0.212	I O	|	|	|	1.14
43.833	0.00	0.34	0.209	I O	|	|	|	1.13
43.917	0.00	0.34	0.207	I O	|	|	|	1.12
44.000	0.00	0.34	0.204	I O	|	|	|	1.11
44.083	0.00	0.34	0.202	I O	|	|	|	1.10
44.167	0.00	0.34	0.200	I O	|	|	|	1.09
44.250	0.00	0.33	0.198	I O	|	|	|	1.08
44.333	0.00	0.33	0.195	I O	|	|	|	1.07
44.417	0.00	0.33	0.193	I O	|	|	|	1.06
44.500	0.00	0.33	0.191	I O	|	|	|	1.05
44.583	0.00	0.33	0.188	I O	|	|	|	1.04
44.667	0.00	0.32	0.186	I O	|	|	|	1.03

44.750	0.00	0.32	0.184	I O	|	|	|	1.02
44.833	0.00	0.32	0.182	I O	|	|	|	1.01
44.917	0.00	0.32	0.180	I O	|	|	|	1.00
45.000	0.00	0.32	0.177	I O	|	|	|	0.99
45.083	0.00	0.31	0.175	I O	|	|	|	0.97
45.167	0.00	0.31	0.173	I O	|	|	|	0.96
45.250	0.00	0.30	0.171	I O	|	|	|	0.95
45.333	0.00	0.30	0.169	I O	|	|	|	0.94
45.417	0.00	0.30	0.167	I O	|	|	|	0.93
45.500	0.00	0.29	0.165	I O	|	|	|	0.92
45.583	0.00	0.29	0.163	I O	|	|	|	0.90
45.667	0.00	0.29	0.161	I O	|	|	|	0.89
45.750	0.00	0.28	0.159	I O	|	|	|	0.88
45.833	0.00	0.28	0.157	I O	|	|	|	0.87
45.917	0.00	0.28	0.155	I O	|	|	|	0.86
46.000	0.00	0.27	0.153	I O	|	|	|	0.85
46.083	0.00	0.27	0.151	I O	|	|	|	0.84
46.167	0.00	0.27	0.149	I O	|	|	|	0.83
46.250	0.00	0.26	0.148	I O	|	|	|	0.82
46.333	0.00	0.26	0.146	I O	|	|	|	0.81
46.417	0.00	0.26	0.144	I O	|	|	|	0.80
46.500	0.00	0.25	0.142	I O	|	|	|	0.79
46.583	0.00	0.25	0.141	I O	|	|	|	0.78
46.667	0.00	0.25	0.139	I O	|	|	|	0.77
46.750	0.00	0.24	0.137	I O	|	|	|	0.76
46.833	0.00	0.24	0.135	I O	|	|	|	0.75
46.917	0.00	0.24	0.134	I O	|	|	|	0.74
47.000	0.00	0.24	0.132	I O	|	|	|	0.73
47.083	0.00	0.23	0.131	I O	|	|	|	0.73
47.167	0.00	0.23	0.129	I O	|	|	|	0.72
47.250	0.00	0.23	0.127	IO	|	|	|	0.71
47.333	0.00	0.22	0.126	IO	|	|	|	0.70
47.417	0.00	0.22	0.124	IO	|	|	|	0.69
47.500	0.00	0.22	0.123	IO	|	|	|	0.68
47.583	0.00	0.22	0.121	IO	|	|	|	0.67
47.667	0.00	0.21	0.120	IO	|	|	|	0.67
47.750	0.00	0.21	0.118	IO	|	|	|	0.66
47.833	0.00	0.21	0.117	IO	|	|	|	0.65
47.917	0.00	0.21	0.116	IO	|	|	|	0.64
48.000	0.00	0.20	0.114	IO	|	|	|	0.63
48.083	0.00	0.20	0.113	IO	|	|	|	0.63
48.167	0.00	0.20	0.111	IO	|	|	|	0.62
48.250	0.00	0.20	0.110	IO	|	|	|	0.61
48.333	0.00	0.19	0.109	IO	|	|	|	0.60
48.417	0.00	0.19	0.107	IO	|	|	|	0.60
48.500	0.00	0.19	0.106	IO	|	|	|	0.59
48.583	0.00	0.19	0.105	IO	|	|	|	0.58
48.667	0.00	0.18	0.103	IO	|	|	|	0.57
48.750	0.00	0.18	0.102	IO	|	|	|	0.57
48.833	0.00	0.18	0.101	IO	|	|	|	0.56
48.917	0.00	0.18	0.100	IO	|	|	|	0.55
49.000	0.00	0.18	0.099	IO	|	|	|	0.55
49.083	0.00	0.17	0.097	IO	|	|	|	0.54
49.167	0.00	0.17	0.096	IO	|	|	|	0.53
49.250	0.00	0.17	0.095	IO	|	|	|	0.53
49.333	0.00	0.17	0.094	IO	|	|	|	0.52
49.417	0.00	0.16	0.093	IO	|	|	|	0.51
49.500	0.00	0.16	0.092	IO	|	|	|	0.51
49.583	0.00	0.16	0.090	IO	|	|	|	0.50
49.667	0.00	0.16	0.089	IO	|	|	|	0.50
49.750	0.00	0.16	0.088	IO	|	|	|	0.49
49.833	0.00	0.16	0.087	IO	|	|	|	0.48
49.917	0.00	0.15	0.086	IO	|	|	|	0.48
50.000	0.00	0.15	0.085	IO	|	|	|	0.47
50.083	0.00	0.15	0.084	IO	|	|	|	0.47
50.167	0.00	0.15	0.083	IO	|	|	|	0.46
50.250	0.00	0.15	0.082	IO	|	|	|	0.46

50.333	0.00	0.14	0.081	IO	|	|	|	0.45
50.417	0.00	0.14	0.080	IO	|	|	|	0.44
50.500	0.00	0.14	0.079	IO	|	|	|	0.44
50.583	0.00	0.14	0.078	IO	|	|	|	0.43
50.667	0.00	0.14	0.077	IO	|	|	|	0.43
50.750	0.00	0.14	0.076	IO	|	|	|	0.42
50.833	0.00	0.13	0.075	IO	|	|	|	0.42
50.917	0.00	0.13	0.074	IO	|	|	|	0.41
51.000	0.00	0.13	0.073	IO	|	|	|	0.41
51.083	0.00	0.13	0.073	IO	|	|	|	0.40
51.167	0.00	0.13	0.072	IO	|	|	|	0.40
51.250	0.00	0.13	0.071	IO	|	|	|	0.39
51.333	0.00	0.12	0.070	IO	|	|	|	0.39
51.417	0.00	0.12	0.069	IO	|	|	|	0.38
51.500	0.00	0.12	0.068	IO	|	|	|	0.38
51.583	0.00	0.12	0.067	IO	|	|	|	0.37
51.667	0.00	0.12	0.067	IO	|	|	|	0.37
51.750	0.00	0.12	0.066	IO	|	|	|	0.37
51.833	0.00	0.12	0.065	IO	|	|	|	0.36
51.917	0.00	0.11	0.064	IO	|	|	|	0.36
52.000	0.00	0.11	0.063	O	|	|	|	0.35
52.083	0.00	0.11	0.063	O	|	|	|	0.35
52.167	0.00	0.11	0.062	O	|	|	|	0.34
52.250	0.00	0.11	0.061	O	|	|	|	0.34
52.333	0.00	0.11	0.060	O	|	|	|	0.34
52.417	0.00	0.11	0.060	O	|	|	|	0.33
52.500	0.00	0.10	0.059	O	|	|	|	0.33
52.583	0.00	0.10	0.058	O	|	|	|	0.32
52.667	0.00	0.10	0.058	O	|	|	|	0.32
52.750	0.00	0.10	0.057	O	|	|	|	0.32
52.833	0.00	0.10	0.056	O	|	|	|	0.31
52.917	0.00	0.10	0.055	O	|	|	|	0.31
53.000	0.00	0.10	0.055	O	|	|	|	0.30
53.083	0.00	0.10	0.054	O	|	|	|	0.30
53.167	0.00	0.09	0.053	O	|	|	|	0.30
53.250	0.00	0.09	0.053	O	|	|	|	0.29
53.333	0.00	0.09	0.052	O	|	|	|	0.29
53.417	0.00	0.09	0.052	O	|	|	|	0.29
53.500	0.00	0.09	0.051	O	|	|	|	0.28
53.583	0.00	0.09	0.050	O	|	|	|	0.28
53.667	0.00	0.09	0.050	O	|	|	|	0.28
53.750	0.00	0.09	0.049	O	|	|	|	0.27
53.833	0.00	0.09	0.048	O	|	|	|	0.27
53.917	0.00	0.09	0.048	O	|	|	|	0.27
54.000	0.00	0.08	0.047	O	|	|	|	0.26
54.083	0.00	0.08	0.047	O	|	|	|	0.26
54.167	0.00	0.08	0.046	O	|	|	|	0.26
54.250	0.00	0.08	0.046	O	|	|	|	0.25
54.333	0.00	0.08	0.045	O	|	|	|	0.25
54.417	0.00	0.08	0.044	O	|	|	|	0.25
54.500	0.00	0.08	0.044	O	|	|	|	0.24
54.583	0.00	0.08	0.043	O	|	|	|	0.24
54.667	0.00	0.08	0.043	O	|	|	|	0.24
54.750	0.00	0.08	0.042	O	|	|	|	0.24
54.833	0.00	0.07	0.042	O	|	|	|	0.23
54.917	0.00	0.07	0.041	O	|	|	|	0.23
55.000	0.00	0.07	0.041	O	|	|	|	0.23
55.083	0.00	0.07	0.040	O	|	|	|	0.22
55.167	0.00	0.07	0.040	O	|	|	|	0.22
55.250	0.00	0.07	0.039	O	|	|	|	0.22
55.333	0.00	0.07	0.039	O	|	|	|	0.22
55.417	0.00	0.07	0.038	O	|	|	|	0.21
55.500	0.00	0.07	0.038	O	|	|	|	0.21
55.583	0.00	0.07	0.037	O	|	|	|	0.21
55.667	0.00	0.07	0.037	O	|	|	|	0.21
55.750	0.00	0.06	0.037	O	|	|	|	0.20
55.833	0.00	0.06	0.036	O	|	|	|	0.20

55.917	0.00	0.06	0.036	O					0.20
56.000	0.00	0.06	0.035	O					0.20
56.083	0.00	0.06	0.035	O					0.19
56.167	0.00	0.06	0.034	O					0.19
56.250	0.00	0.06	0.034	O					0.19
56.333	0.00	0.06	0.034	O					0.19
56.417	0.00	0.06	0.033	O					0.18
56.500	0.00	0.06	0.033	O					0.18
56.583	0.00	0.06	0.032	O					0.18
56.667	0.00	0.06	0.032	O					0.18
56.750	0.00	0.06	0.032	O					0.18
56.833	0.00	0.06	0.031	O					0.17
56.917	0.00	0.05	0.031	O					0.17
57.000	0.00	0.05	0.030	O					0.17
57.083	0.00	0.05	0.030	O					0.17
57.167	0.00	0.05	0.030	O					0.16
57.250	0.00	0.05	0.029	O					0.16
57.333	0.00	0.05	0.029	O					0.16
57.417	0.00	0.05	0.029	O					0.16
57.500	0.00	0.05	0.028	O					0.16
57.583	0.00	0.05	0.028	O					0.16
57.667	0.00	0.05	0.028	O					0.15
57.750	0.00	0.05	0.027	O					0.15
57.833	0.00	0.05	0.027	O					0.15
57.917	0.00	0.05	0.027	O					0.15
58.000	0.00	0.05	0.026	O					0.15
58.083	0.00	0.05	0.026	O					0.14
58.167	0.00	0.05	0.026	O					0.14
58.250	0.00	0.05	0.025	O					0.14
58.333	0.00	0.04	0.025	O					0.14
58.417	0.00	0.04	0.025	O					0.14
58.500	0.00	0.04	0.024	O					0.14
58.583	0.00	0.04	0.024	O					0.13
58.667	0.00	0.04	0.024	O					0.13
58.750	0.00	0.04	0.024	O					0.13
58.833	0.00	0.04	0.023	O					0.13
58.917	0.00	0.04	0.023	O					0.13
59.000	0.00	0.04	0.023	O					0.13
59.083	0.00	0.04	0.022	O					0.12
59.167	0.00	0.04	0.022	O					0.12
59.250	0.00	0.04	0.022	O					0.12
59.333	0.00	0.04	0.022	O					0.12
59.417	0.00	0.04	0.021	O					0.12
59.500	0.00	0.04	0.021	O					0.12
59.583	0.00	0.04	0.021	O					0.12
59.667	0.00	0.04	0.021	O					0.11
59.750	0.00	0.04	0.020	O					0.11
59.833	0.00	0.04	0.020	O					0.11
59.917	0.00	0.04	0.020	O					0.11
60.000	0.00	0.03	0.020	O					0.11
60.083	0.00	0.03	0.019	O					0.11
60.167	0.00	0.03	0.019	O					0.11
60.250	0.00	0.03	0.019	O					0.10
60.333	0.00	0.03	0.019	O					0.10
60.417	0.00	0.03	0.018	O					0.10
60.500	0.00	0.03	0.018	O					0.10
60.583	0.00	0.03	0.018	O					0.10
60.667	0.00	0.03	0.018	O					0.10
60.750	0.00	0.03	0.018	O					0.10
60.833	0.00	0.03	0.017	O					0.10
60.917	0.00	0.03	0.017	O					0.10
61.000	0.00	0.03	0.017	O					0.09
61.083	0.00	0.03	0.017	O					0.09
61.167	0.00	0.03	0.016	O					0.09
61.250	0.00	0.03	0.016	O					0.09
61.333	0.00	0.03	0.016	O					0.09
61.417	0.00	0.03	0.016	O					0.09

61.500	0.00	0.03	0.016	O	|	|	|	|	0.09
61.583	0.00	0.03	0.016	O	|	|	|	|	0.09
61.667	0.00	0.03	0.015	O	|	|	|	|	0.09
61.750	0.00	0.03	0.015	O	|	|	|	|	0.08
61.833	0.00	0.03	0.015	O	|	|	|	|	0.08
61.917	0.00	0.03	0.015	O	|	|	|	|	0.08
62.000	0.00	0.03	0.015	O	|	|	|	|	0.08
62.083	0.00	0.03	0.014	O	|	|	|	|	0.08
62.167	0.00	0.03	0.014	O	|	|	|	|	0.08
62.250	0.00	0.03	0.014	O	|	|	|	|	0.08
62.333	0.00	0.02	0.014	O	|	|	|	|	0.08
62.417	0.00	0.02	0.014	O	|	|	|	|	0.08
62.500	0.00	0.02	0.014	O	|	|	|	|	0.08
62.583	0.00	0.02	0.013	O	|	|	|	|	0.07
62.667	0.00	0.02	0.013	O	|	|	|	|	0.07
62.750	0.00	0.02	0.013	O	|	|	|	|	0.07
62.833	0.00	0.02	0.013	O	|	|	|	|	0.07
62.917	0.00	0.02	0.013	O	|	|	|	|	0.07
63.000	0.00	0.02	0.013	O	|	|	|	|	0.07
63.083	0.00	0.02	0.012	O	|	|	|	|	0.07
63.167	0.00	0.02	0.012	O	|	|	|	|	0.07
63.250	0.00	0.02	0.012	O	|	|	|	|	0.07
63.333	0.00	0.02	0.012	O	|	|	|	|	0.07
63.417	0.00	0.02	0.012	O	|	|	|	|	0.07
63.500	0.00	0.02	0.012	O	|	|	|	|	0.07
63.583	0.00	0.02	0.012	O	|	|	|	|	0.06
63.667	0.00	0.02	0.011	O	|	|	|	|	0.06
63.750	0.00	0.02	0.011	O	|	|	|	|	0.06
63.833	0.00	0.02	0.011	O	|	|	|	|	0.06
63.917	0.00	0.02	0.011	O	|	|	|	|	0.06
64.000	0.00	0.02	0.011	O	|	|	|	|	0.06
64.083	0.00	0.02	0.011	O	|	|	|	|	0.06
64.167	0.00	0.02	0.011	O	|	|	|	|	0.06
64.250	0.00	0.02	0.010	O	|	|	|	|	0.06
64.333	0.00	0.02	0.010	O	|	|	|	|	0.06
64.417	0.00	0.02	0.010	O	|	|	|	|	0.06
64.500	0.00	0.02	0.010	O	|	|	|	|	0.06
64.583	0.00	0.02	0.010	O	|	|	|	|	0.06
64.667	0.00	0.02	0.010	O	|	|	|	|	0.05
64.750	0.00	0.02	0.010	O	|	|	|	|	0.05
64.833	0.00	0.02	0.010	O	|	|	|	|	0.05
64.917	0.00	0.02	0.010	O	|	|	|	|	0.05
65.000	0.00	0.02	0.009	O	|	|	|	|	0.05
65.083	0.00	0.02	0.009	O	|	|	|	|	0.05
65.167	0.00	0.02	0.009	O	|	|	|	|	0.05
65.250	0.00	0.02	0.009	O	|	|	|	|	0.05
65.333	0.00	0.02	0.009	O	|	|	|	|	0.05
65.417	0.00	0.02	0.009	O	|	|	|	|	0.05
65.500	0.00	0.02	0.009	O	|	|	|	|	0.05
65.583	0.00	0.02	0.009	O	|	|	|	|	0.05
65.667	0.00	0.02	0.009	O	|	|	|	|	0.05
65.750	0.00	0.01	0.008	O	|	|	|	|	0.05
65.833	0.00	0.01	0.008	O	|	|	|	|	0.05
65.917	0.00	0.01	0.008	O	|	|	|	|	0.05
66.000	0.00	0.01	0.008	O	|	|	|	|	0.05
66.083	0.00	0.01	0.008	O	|	|	|	|	0.04
66.167	0.00	0.01	0.008	O	|	|	|	|	0.04
66.250	0.00	0.01	0.008	O	|	|	|	|	0.04
66.333	0.00	0.01	0.008	O	|	|	|	|	0.04
66.417	0.00	0.01	0.008	O	|	|	|	|	0.04
66.500	0.00	0.01	0.008	O	|	|	|	|	0.04
66.583	0.00	0.01	0.007	O	|	|	|	|	0.04
66.667	0.00	0.01	0.007	O	|	|	|	|	0.04
66.750	0.00	0.01	0.007	O	|	|	|	|	0.04
66.833	0.00	0.01	0.007	O	|	|	|	|	0.04
66.917	0.00	0.01	0.007	O	|	|	|	|	0.04
67.000	0.00	0.01	0.007	O	|	|	|	|	0.04

67.083	0.00	0.01	0.007	O	|	|	|	|	0.04
67.167	0.00	0.01	0.007	O	|	|	|	|	0.04
67.250	0.00	0.01	0.007	O	|	|	|	|	0.04
67.333	0.00	0.01	0.007	O	|	|	|	|	0.04
67.417	0.00	0.01	0.007	O	|	|	|	|	0.04
67.500	0.00	0.01	0.007	O	|	|	|	|	0.04
67.583	0.00	0.01	0.006	O	|	|	|	|	0.04
67.667	0.00	0.01	0.006	O	|	|	|	|	0.04
67.750	0.00	0.01	0.006	O	|	|	|	|	0.03
67.833	0.00	0.01	0.006	O	|	|	|	|	0.03
67.917	0.00	0.01	0.006	O	|	|	|	|	0.03
68.000	0.00	0.01	0.006	O	|	|	|	|	0.03
68.083	0.00	0.01	0.006	O	|	|	|	|	0.03
68.167	0.00	0.01	0.006	O	|	|	|	|	0.03
68.250	0.00	0.01	0.006	O	|	|	|	|	0.03
68.333	0.00	0.01	0.006	O	|	|	|	|	0.03
68.417	0.00	0.01	0.006	O	|	|	|	|	0.03
68.500	0.00	0.01	0.006	O	|	|	|	|	0.03
68.583	0.00	0.01	0.006	O	|	|	|	|	0.03
68.667	0.00	0.01	0.005	O	|	|	|	|	0.03
68.750	0.00	0.01	0.005	O	|	|	|	|	0.03
68.833	0.00	0.01	0.005	O	|	|	|	|	0.03
68.917	0.00	0.01	0.005	O	|	|	|	|	0.03
69.000	0.00	0.01	0.005	O	|	|	|	|	0.03
69.083	0.00	0.01	0.005	O	|	|	|	|	0.03
69.167	0.00	0.01	0.005	O	|	|	|	|	0.03
69.250	0.00	0.01	0.005	O	|	|	|	|	0.03
69.333	0.00	0.01	0.005	O	|	|	|	|	0.03
69.417	0.00	0.01	0.005	O	|	|	|	|	0.03
69.500	0.00	0.01	0.005	O	|	|	|	|	0.03
69.583	0.00	0.01	0.005	O	|	|	|	|	0.03
69.667	0.00	0.01	0.005	O	|	|	|	|	0.03
69.750	0.00	0.01	0.005	O	|	|	|	|	0.03
69.833	0.00	0.01	0.005	O	|	|	|	|	0.03
69.917	0.00	0.01	0.005	O	|	|	|	|	0.03
70.000	0.00	0.01	0.005	O	|	|	|	|	0.03
70.083	0.00	0.01	0.004	O	|	|	|	|	0.02
70.167	0.00	0.01	0.004	O	|	|	|	|	0.02
70.250	0.00	0.01	0.004	O	|	|	|	|	0.02
70.333	0.00	0.01	0.004	O	|	|	|	|	0.02
70.417	0.00	0.01	0.004	O	|	|	|	|	0.02
70.500	0.00	0.01	0.004	O	|	|	|	|	0.02
70.583	0.00	0.01	0.004	O	|	|	|	|	0.02
70.667	0.00	0.01	0.004	O	|	|	|	|	0.02
70.750	0.00	0.01	0.004	O	|	|	|	|	0.02
70.833	0.00	0.01	0.004	O	|	|	|	|	0.02
70.917	0.00	0.01	0.004	O	|	|	|	|	0.02
71.000	0.00	0.01	0.004	O	|	|	|	|	0.02
71.083	0.00	0.01	0.004	O	|	|	|	|	0.02
71.167	0.00	0.01	0.004	O	|	|	|	|	0.02
71.250	0.00	0.01	0.004	O	|	|	|	|	0.02
71.333	0.00	0.01	0.004	O	|	|	|	|	0.02
71.417	0.00	0.01	0.004	O	|	|	|	|	0.02
71.500	0.00	0.01	0.004	O	|	|	|	|	0.02
71.583	0.00	0.01	0.004	O	|	|	|	|	0.02
71.667	0.00	0.01	0.004	O	|	|	|	|	0.02
71.750	0.00	0.01	0.003	O	|	|	|	|	0.02
71.833	0.00	0.01	0.003	O	|	|	|	|	0.02
71.917	0.00	0.01	0.003	O	|	|	|	|	0.02
72.000	0.00	0.01	0.003	O	|	|	|	|	0.02
72.083	0.00	0.01	0.003	O	|	|	|	|	0.02
72.167	0.00	0.01	0.003	O	|	|	|	|	0.02
72.250	0.00	0.01	0.003	O	|	|	|	|	0.02
72.333	0.00	0.01	0.003	O	|	|	|	|	0.02
72.417	0.00	0.01	0.003	O	|	|	|	|	0.02
72.500	0.00	0.01	0.003	O	|	|	|	|	0.02
72.583	0.00	0.01	0.003	O	|	|	|	|	0.02

72.667	0.00	0.01	0.003	O	|	|	|	|	0.02
72.750	0.00	0.01	0.003	O	|	|	|	|	0.02
72.833	0.00	0.01	0.003	O	|	|	|	|	0.02
72.917	0.00	0.01	0.003	O	|	|	|	|	0.02
73.000	0.00	0.01	0.003	O	|	|	|	|	0.02
73.083	0.00	0.01	0.003	O	|	|	|	|	0.02
73.167	0.00	0.01	0.003	O	|	|	|	|	0.02
73.250	0.00	0.00	0.003	O	|	|	|	|	0.02
73.333	0.00	0.00	0.003	O	|	|	|	|	0.02
73.417	0.00	0.00	0.003	O	|	|	|	|	0.02
73.500	0.00	0.00	0.003	O	|	|	|	|	0.01
73.583	0.00	0.00	0.003	O	|	|	|	|	0.01
73.667	0.00	0.00	0.003	O	|	|	|	|	0.01
73.750	0.00	0.00	0.003	O	|	|	|	|	0.01
73.833	0.00	0.00	0.003	O	|	|	|	|	0.01
73.917	0.00	0.00	0.003	O	|	|	|	|	0.01
74.000	0.00	0.00	0.003	O	|	|	|	|	0.01
74.083	0.00	0.00	0.002	O	|	|	|	|	0.01
74.167	0.00	0.00	0.002	O	|	|	|	|	0.01
74.250	0.00	0.00	0.002	O	|	|	|	|	0.01
74.333	0.00	0.00	0.002	O	|	|	|	|	0.01
74.417	0.00	0.00	0.002	O	|	|	|	|	0.01
74.500	0.00	0.00	0.002	O	|	|	|	|	0.01
74.583	0.00	0.00	0.002	O	|	|	|	|	0.01
74.667	0.00	0.00	0.002	O	|	|	|	|	0.01
74.750	0.00	0.00	0.002	O	|	|	|	|	0.01
74.833	0.00	0.00	0.002	O	|	|	|	|	0.01
74.917	0.00	0.00	0.002	O	|	|	|	|	0.01
75.000	0.00	0.00	0.002	O	|	|	|	|	0.01
75.083	0.00	0.00	0.002	O	|	|	|	|	0.01
75.167	0.00	0.00	0.002	O	|	|	|	|	0.01
75.250	0.00	0.00	0.002	O	|	|	|	|	0.01
75.333	0.00	0.00	0.002	O	|	|	|	|	0.01
75.417	0.00	0.00	0.002	O	|	|	|	|	0.01
75.500	0.00	0.00	0.002	O	|	|	|	|	0.01
75.583	0.00	0.00	0.002	O	|	|	|	|	0.01
75.667	0.00	0.00	0.002	O	|	|	|	|	0.01
75.750	0.00	0.00	0.002	O	|	|	|	|	0.01
75.833	0.00	0.00	0.002	O	|	|	|	|	0.01
75.917	0.00	0.00	0.002	O	|	|	|	|	0.01
76.000	0.00	0.00	0.002	O	|	|	|	|	0.01
76.083	0.00	0.00	0.002	O	|	|	|	|	0.01
76.167	0.00	0.00	0.002	O	|	|	|	|	0.01
76.250	0.00	0.00	0.002	O	|	|	|	|	0.01
76.333	0.00	0.00	0.002	O	|	|	|	|	0.01
76.417	0.00	0.00	0.002	O	|	|	|	|	0.01
76.500	0.00	0.00	0.002	O	|	|	|	|	0.01
76.583	0.00	0.00	0.002	O	|	|	|	|	0.01
76.667	0.00	0.00	0.002	O	|	|	|	|	0.01
76.750	0.00	0.00	0.002	O	|	|	|	|	0.01
76.833	0.00	0.00	0.002	O	|	|	|	|	0.01
76.917	0.00	0.00	0.002	O	|	|	|	|	0.01
77.000	0.00	0.00	0.002	O	|	|	|	|	0.01
77.083	0.00	0.00	0.002	O	|	|	|	|	0.01
77.167	0.00	0.00	0.002	O	|	|	|	|	0.01
77.250	0.00	0.00	0.002	O	|	|	|	|	0.01
77.333	0.00	0.00	0.002	O	|	|	|	|	0.01
77.417	0.00	0.00	0.002	O	|	|	|	|	0.01
77.500	0.00	0.00	0.001	O	|	|	|	|	0.01
77.583	0.00	0.00	0.001	O	|	|	|	|	0.01
77.667	0.00	0.00	0.001	O	|	|	|	|	0.01
77.750	0.00	0.00	0.001	O	|	|	|	|	0.01
77.833	0.00	0.00	0.001	O	|	|	|	|	0.01
77.917	0.00	0.00	0.001	O	|	|	|	|	0.01
78.000	0.00	0.00	0.001	O	|	|	|	|	0.01
78.083	0.00	0.00	0.001	O	|	|	|	|	0.01
78.167	0.00	0.00	0.001	O	|	|	|	|	0.01

78.250	0.00	0.00	0.001	O					0.01
78.333	0.00	0.00	0.001	O					0.01
78.417	0.00	0.00	0.001	O					0.01
78.500	0.00	0.00	0.001	O					0.01
78.583	0.00	0.00	0.001	O					0.01
78.667	0.00	0.00	0.001	O					0.01
78.750	0.00	0.00	0.001	O					0.01
78.833	0.00	0.00	0.001	O					0.01
78.917	0.00	0.00	0.001	O					0.01
79.000	0.00	0.00	0.001	O					0.01
79.083	0.00	0.00	0.001	O					0.01
79.167	0.00	0.00	0.001	O					0.01
79.250	0.00	0.00	0.001	O					0.01
79.333	0.00	0.00	0.001	O					0.01
79.417	0.00	0.00	0.001	O					0.01
79.500	0.00	0.00	0.001	O					0.01
79.583	0.00	0.00	0.001	O					0.01
79.667	0.00	0.00	0.001	O					0.01
79.750	0.00	0.00	0.001	O					0.01
79.833	0.00	0.00	0.001	O					0.01
79.917	0.00	0.00	0.001	O					0.01
80.000	0.00	0.00	0.001	O					0.01
80.083	0.00	0.00	0.001	O					0.01
80.167	0.00	0.00	0.001	O					0.01
80.250	0.00	0.00	0.001	O					0.01
80.333	0.00	0.00	0.001	O					0.01
80.417	0.00	0.00	0.001	O					0.01
80.500	0.00	0.00	0.001	O					0.01
80.583	0.00	0.00	0.001	O					0.01
80.667	0.00	0.00	0.001	O					0.01
80.750	0.00	0.00	0.001	O					0.01
80.833	0.00	0.00	0.001	O					0.01
80.917	0.00	0.00	0.001	O					0.01
81.000	0.00	0.00	0.001	O					0.00
81.083	0.00	0.00	0.001	O					0.00
81.167	0.00	0.00	0.001	O					0.00
81.250	0.00	0.00	0.001	O					0.00
81.333	0.00	0.00	0.001	O					0.00
81.417	0.00	0.00	0.001	O					0.00
81.500	0.00	0.00	0.001	O					0.00
81.583	0.00	0.00	0.001	O					0.00
81.667	0.00	0.00	0.001	O					0.00
81.750	0.00	0.00	0.001	O					0.00
81.833	0.00	0.00	0.001	O					0.00
81.917	0.00	0.00	0.001	O					0.00
82.000	0.00	0.00	0.001	O					0.00
82.083	0.00	0.00	0.001	O					0.00
82.167	0.00	0.00	0.001	O					0.00
82.250	0.00	0.00	0.001	O					0.00
82.333	0.00	0.00	0.001	O					0.00
82.417	0.00	0.00	0.001	O					0.00
82.500	0.00	0.00	0.001	O					0.00
82.583	0.00	0.00	0.001	O					0.00
82.667	0.00	0.00	0.001	O					0.00
82.750	0.00	0.00	0.001	O					0.00
82.833	0.00	0.00	0.001	O					0.00
82.917	0.00	0.00	0.001	O					0.00
83.000	0.00	0.00	0.001	O					0.00
83.083	0.00	0.00	0.001	O					0.00
83.167	0.00	0.00	0.001	O					0.00
83.250	0.00	0.00	0.001	O					0.00
83.333	0.00	0.00	0.001	O					0.00
83.417	0.00	0.00	0.001	O					0.00
83.500	0.00	0.00	0.001	O					0.00
83.583	0.00	0.00	0.001	O					0.00
83.667	0.00	0.00	0.001	O					0.00
83.750	0.00	0.00	0.001	O					0.00

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83.833    0.00    0.00      0.001  O       |       |       |       |     0.00
83.917    0.00    0.00      0.001  O       |       |       |       |     0.00
84.000    0.00    0.00      0.001  O       |       |       |       |     0.00
84.083    0.00    0.00      0.001  O       |       |       |       |     0.00
84.167    0.00    0.00      0.001  O       |       |       |       |     0.00

      ****************************HYDROGRAPH DATA****************************
                  Number of intervals =  1010
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =        0.814 (CFS)
                  Total volume =       2.207 (Ac.Ft)
            Status of hydrographs being held in storage
                       Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
            Peak (CFS)      0.000     0.000     0.000     0.000     0.000
            Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
      ***********************************************************************

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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/13/21 File: RVEXE242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN E- EXISTING UNIT HYDROGRAPH
2YR-24HR STROM

Drainage Area = 71.82(Ac.) = 0.112 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 71.82(Ac.) = 0.112 Sq. Mi.
Length along longest watercourse = 2220.90(Ft.)
Length along longest watercourse measured to centroid = 1303.74(Ft.)
Length along longest watercourse = 0.421 Mi.
Length along longest watercourse measured to centroid = 0.247 Mi.
Difference in elevation = 310.00(Ft.)
Slope along watercourse = 736.9985 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.116 Hr.
Lag time = 6.95 Min.
25% of lag time = 1.74 Min.
40% of lag time = 2.78 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
71.82	2.70	193.91

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
71.82	7.00	502.74

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
71.820	86.00	0.000

Total Area Entered = 71.82(Ac.)

RI AMC2	RI AMC-1	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)

```
      86.0  71.6      0.343     0.000        0.343       1.000      0.343
                                                          Sum (F) =   0.343
      Area averaged mean soil loss (F) (In/Hr) =  0.343
      Minimum soil loss rate ((In/Hr)) =  0.172
      (for 24 hour storm duration)
      Soil low loss rate (decimal) =   0.900
      ------------------------------------------------------------------------

                  U n i t  H y d r o g r a p h
                         VALLEY S-Curve
      ------------------------------------------------------------------------
                  Unit Hydrograph Data
      ------------------------------------------------------------------------
      Unit time period   Time % of lag   Distribution   Unit Hydrograph
          (hrs)                          Graph %            (CFS)
      ------------------------------------------------------------------------
          1   0.083         71.964         11.132              8.057
          2   0.167        143.928         41.091             29.742
          3   0.250        215.892         22.478             16.270
          4   0.333        287.855          8.837              6.397
          5   0.417        359.819          5.369              3.886
          6   0.500        431.783          3.524              2.551
          7   0.583        503.747          2.397              1.735
          8   0.667        575.711          1.828              1.323
          9   0.750        647.675          1.292              0.935
         10   0.833        719.638          0.889              0.644
         11   0.917        791.602          0.720              0.521
         12   1.000        863.566          0.444              0.321
                                   Sum = 100.000   Sum=       72.381
    ------------------------------------------------------------------------

     The following loss rate calculations reflect use of the minimum calculated loss
     rate subtracted from the Storm Rain to produce the maximum Effective Rain value

      Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
           (Hr.)  Percent   (In/Hr)          Max    |   Low        (In/Hr)
       1   0.08     0.07      0.022       (  0.608)       0.019        0.002
       2   0.17     0.07      0.022       (  0.606)       0.019        0.002
       3   0.25     0.07      0.022       (  0.604)       0.019        0.002
       4   0.33     0.10      0.032       (  0.601)       0.029        0.003
       5   0.42     0.10      0.032       (  0.599)       0.029        0.003
       6   0.50     0.10      0.032       (  0.597)       0.029        0.003
       7   0.58     0.10      0.032       (  0.594)       0.029        0.003
       8   0.67     0.10      0.032       (  0.592)       0.029        0.003
       9   0.75     0.10      0.032       (  0.590)       0.029        0.003
      10   0.83     0.13      0.043       (  0.587)       0.039        0.004
      11   0.92     0.13      0.043       (  0.585)       0.039        0.004
      12   1.00     0.13      0.043       (  0.583)       0.039        0.004
      13   1.08     0.10      0.032       (  0.580)       0.029        0.003
      14   1.17     0.10      0.032       (  0.578)       0.029        0.003
      15   1.25     0.10      0.032       (  0.576)       0.029        0.003
      16   1.33     0.10      0.032       (  0.573)       0.029        0.003
      17   1.42     0.10      0.032       (  0.571)       0.029        0.003
      18   1.50     0.10      0.032       (  0.569)       0.029        0.003
      19   1.58     0.10      0.032       (  0.567)       0.029        0.003
      20   1.67     0.10      0.032       (  0.564)       0.029        0.003
      21   1.75     0.10      0.032       (  0.562)       0.029        0.003
      22   1.83     0.13      0.043       (  0.560)       0.039        0.004
      23   1.92     0.13      0.043       (  0.558)       0.039        0.004
      24   2.00     0.13      0.043       (  0.555)       0.039        0.004
      25   2.08     0.13      0.043       (  0.553)       0.039        0.004
      26   2.17     0.13      0.043       (  0.551)       0.039        0.004
      27   2.25     0.13      0.043       (  0.549)       0.039        0.004
      28   2.33     0.13      0.043       (  0.546)       0.039        0.004
      29   2.42     0.13      0.043       (  0.544)       0.039        0.004
      30   2.50     0.13      0.043       (  0.542)       0.039        0.004
```

31	2.58	0.17	0.054	(0.540)	0.049	0.005
32	2.67	0.17	0.054	(0.537)	0.049	0.005
33	2.75	0.17	0.054	(0.535)	0.049	0.005
34	2.83	0.17	0.054	(0.533)	0.049	0.005
35	2.92	0.17	0.054	(0.531)	0.049	0.005
36	3.00	0.17	0.054	(0.529)	0.049	0.005
37	3.08	0.17	0.054	(0.526)	0.049	0.005
38	3.17	0.17	0.054	(0.524)	0.049	0.005
39	3.25	0.17	0.054	(0.522)	0.049	0.005
40	3.33	0.17	0.054	(0.520)	0.049	0.005
41	3.42	0.17	0.054	(0.518)	0.049	0.005
42	3.50	0.17	0.054	(0.516)	0.049	0.005
43	3.58	0.17	0.054	(0.513)	0.049	0.005
44	3.67	0.17	0.054	(0.511)	0.049	0.005
45	3.75	0.17	0.054	(0.509)	0.049	0.005
46	3.83	0.20	0.065	(0.507)	0.058	0.006
47	3.92	0.20	0.065	(0.505)	0.058	0.006
48	4.00	0.20	0.065	(0.503)	0.058	0.006
49	4.08	0.20	0.065	(0.501)	0.058	0.006
50	4.17	0.20	0.065	(0.498)	0.058	0.006
51	4.25	0.20	0.065	(0.496)	0.058	0.006
52	4.33	0.23	0.076	(0.494)	0.068	0.008
53	4.42	0.23	0.076	(0.492)	0.068	0.008
54	4.50	0.23	0.076	(0.490)	0.068	0.008
55	4.58	0.23	0.076	(0.488)	0.068	0.008
56	4.67	0.23	0.076	(0.486)	0.068	0.008
57	4.75	0.23	0.076	(0.484)	0.068	0.008
58	4.83	0.27	0.086	(0.482)	0.078	0.009
59	4.92	0.27	0.086	(0.480)	0.078	0.009
60	5.00	0.27	0.086	(0.477)	0.078	0.009
61	5.08	0.20	0.065	(0.475)	0.058	0.006
62	5.17	0.20	0.065	(0.473)	0.058	0.006
63	5.25	0.20	0.065	(0.471)	0.058	0.006
64	5.33	0.23	0.076	(0.469)	0.068	0.008
65	5.42	0.23	0.076	(0.467)	0.068	0.008
66	5.50	0.23	0.076	(0.465)	0.068	0.008
67	5.58	0.27	0.086	(0.463)	0.078	0.009
68	5.67	0.27	0.086	(0.461)	0.078	0.009
69	5.75	0.27	0.086	(0.459)	0.078	0.009
70	5.83	0.27	0.086	(0.457)	0.078	0.009
71	5.92	0.27	0.086	(0.455)	0.078	0.009
72	6.00	0.27	0.086	(0.453)	0.078	0.009
73	6.08	0.30	0.097	(0.451)	0.087	0.010
74	6.17	0.30	0.097	(0.449)	0.087	0.010
75	6.25	0.30	0.097	(0.447)	0.087	0.010
76	6.33	0.30	0.097	(0.445)	0.087	0.010
77	6.42	0.30	0.097	(0.443)	0.087	0.010
78	6.50	0.30	0.097	(0.441)	0.087	0.010
79	6.58	0.33	0.108	(0.439)	0.097	0.011
80	6.67	0.33	0.108	(0.437)	0.097	0.011
81	6.75	0.33	0.108	(0.435)	0.097	0.011
82	6.83	0.33	0.108	(0.433)	0.097	0.011
83	6.92	0.33	0.108	(0.431)	0.097	0.011
84	7.00	0.33	0.108	(0.429)	0.097	0.011
85	7.08	0.33	0.108	(0.427)	0.097	0.011
86	7.17	0.33	0.108	(0.425)	0.097	0.011
87	7.25	0.33	0.108	(0.423)	0.097	0.011
88	7.33	0.37	0.119	(0.421)	0.107	0.012
89	7.42	0.37	0.119	(0.419)	0.107	0.012
90	7.50	0.37	0.119	(0.417)	0.107	0.012
91	7.58	0.40	0.130	(0.416)	0.117	0.013
92	7.67	0.40	0.130	(0.414)	0.117	0.013
93	7.75	0.40	0.130	(0.412)	0.117	0.013
94	7.83	0.43	0.140	(0.410)	0.126	0.014
95	7.92	0.43	0.140	(0.408)	0.126	0.014
96	8.00	0.43	0.140	(0.406)	0.126	0.014
97	8.08	0.50	0.162	(0.404)	0.146	0.016

98	8.17	0.50	0.162	(	0.402)	0.146	0.016
99	8.25	0.50	0.162	(	0.400)	0.146	0.016
100	8.33	0.50	0.162	(	0.399)	0.146	0.016
101	8.42	0.50	0.162	(	0.397)	0.146	0.016
102	8.50	0.50	0.162	(	0.395)	0.146	0.016
103	8.58	0.53	0.173	(	0.393)	0.155	0.017
104	8.67	0.53	0.173	(	0.391)	0.155	0.017
105	8.75	0.53	0.173	(	0.389)	0.155	0.017
106	8.83	0.57	0.184	(	0.387)	0.165	0.018
107	8.92	0.57	0.184	(	0.386)	0.165	0.018
108	9.00	0.57	0.184	(	0.384)	0.165	0.018
109	9.08	0.63	0.205	(	0.382)	0.185	0.021
110	9.17	0.63	0.205	(	0.380)	0.185	0.021
111	9.25	0.63	0.205	(	0.378)	0.185	0.021
112	9.33	0.67	0.216	(	0.377)	0.194	0.022
113	9.42	0.67	0.216	(	0.375)	0.194	0.022
114	9.50	0.67	0.216	(	0.373)	0.194	0.022
115	9.58	0.70	0.227	(	0.371)	0.204	0.023
116	9.67	0.70	0.227	(	0.369)	0.204	0.023
117	9.75	0.70	0.227	(	0.368)	0.204	0.023
118	9.83	0.73	0.238	(	0.366)	0.214	0.024
119	9.92	0.73	0.238	(	0.364)	0.214	0.024
120	10.00	0.73	0.238	(	0.362)	0.214	0.024
121	10.08	0.50	0.162	(	0.361)	0.146	0.016
122	10.17	0.50	0.162	(	0.359)	0.146	0.016
123	10.25	0.50	0.162	(	0.357)	0.146	0.016
124	10.33	0.50	0.162	(	0.355)	0.146	0.016
125	10.42	0.50	0.162	(	0.354)	0.146	0.016
126	10.50	0.50	0.162	(	0.352)	0.146	0.016
127	10.58	0.67	0.216	(	0.350)	0.194	0.022
128	10.67	0.67	0.216	(	0.348)	0.194	0.022
129	10.75	0.67	0.216	(	0.347)	0.194	0.022
130	10.83	0.67	0.216	(	0.345)	0.194	0.022
131	10.92	0.67	0.216	(	0.343)	0.194	0.022
132	11.00	0.67	0.216	(	0.342)	0.194	0.022
133	11.08	0.63	0.205	(	0.340)	0.185	0.021
134	11.17	0.63	0.205	(	0.338)	0.185	0.021
135	11.25	0.63	0.205	(	0.337)	0.185	0.021
136	11.33	0.63	0.205	(	0.335)	0.185	0.021
137	11.42	0.63	0.205	(	0.333)	0.185	0.021
138	11.50	0.63	0.205	(	0.332)	0.185	0.021
139	11.58	0.57	0.184	(	0.330)	0.165	0.018
140	11.67	0.57	0.184	(	0.328)	0.165	0.018
141	11.75	0.57	0.184	(	0.327)	0.165	0.018
142	11.83	0.60	0.194	(	0.325)	0.175	0.019
143	11.92	0.60	0.194	(	0.324)	0.175	0.019
144	12.00	0.60	0.194	(	0.322)	0.175	0.019
145	12.08	0.83	0.270	(	0.320)	0.243	0.027
146	12.17	0.83	0.270	(	0.319)	0.243	0.027
147	12.25	0.83	0.270	(	0.317)	0.243	0.027
148	12.33	0.87	0.281	(	0.316)	0.253	0.028
149	12.42	0.87	0.281	(	0.314)	0.253	0.028
150	12.50	0.87	0.281	(	0.312)	0.253	0.028
151	12.58	0.93	0.302	(	0.311)	0.272	0.030
152	12.67	0.93	0.302	(	0.309)	0.272	0.030
153	12.75	0.93	0.302	(	0.308)	0.272	0.030
154	12.83	0.97	0.313	(	0.306)	0.282	0.031
155	12.92	0.97	0.313	(	0.305)	0.282	0.031
156	13.00	0.97	0.313	(	0.303)	0.282	0.031
157	13.08	1.13	0.367		0.301	(0.330)	0.066
158	13.17	1.13	0.367		0.300	(0.330)	0.067
159	13.25	1.13	0.367		0.298	(0.330)	0.069
160	13.33	1.13	0.367		0.297	(0.330)	0.070
161	13.42	1.13	0.367		0.295	(0.330)	0.072
162	13.50	1.13	0.367		0.294	(0.330)	0.073
163	13.58	0.77	0.248	(	0.292)	0.224	0.025
164	13.67	0.77	0.248	(	0.291)	0.224	0.025

165	13.75	0.77	0.248	(0.289)	0.224	0.025
166	13.83	0.77	0.248	(0.288)	0.224	0.025
167	13.92	0.77	0.248	(0.286)	0.224	0.025
168	14.00	0.77	0.248	(0.285)	0.224	0.025
169	14.08	0.90	0.292	(0.284)	0.262	0.029
170	14.17	0.90	0.292	(0.282)	0.262	0.029
171	14.25	0.90	0.292	(0.281)	0.262	0.029
172	14.33	0.87	0.281	(0.279)	0.253	0.028
173	14.42	0.87	0.281	(0.278)	0.253	0.028
174	14.50	0.87	0.281	(0.276)	0.253	0.028
175	14.58	0.87	0.281	(0.275)	0.253	0.028
176	14.67	0.87	0.281	(0.274)	0.253	0.028
177	14.75	0.87	0.281	(0.272)	0.253	0.028
178	14.83	0.83	0.270	(0.271)	0.243	0.027
179	14.92	0.83	0.270	(0.269)	0.243	0.027
180	15.00	0.83	0.270	(0.268)	0.243	0.027
181	15.08	0.80	0.259	(0.267)	0.233	0.026
182	15.17	0.80	0.259	(0.265)	0.233	0.026
183	15.25	0.80	0.259	(0.264)	0.233	0.026
184	15.33	0.77	0.248	(0.263)	0.224	0.025
185	15.42	0.77	0.248	(0.261)	0.224	0.025
186	15.50	0.77	0.248	(0.260)	0.224	0.025
187	15.58	0.63	0.205	(0.259)	0.185	0.021
188	15.67	0.63	0.205	(0.257)	0.185	0.021
189	15.75	0.63	0.205	(0.256)	0.185	0.021
190	15.83	0.63	0.205	(0.255)	0.185	0.021
191	15.92	0.63	0.205	(0.253)	0.185	0.021
192	16.00	0.63	0.205	(0.252)	0.185	0.021
193	16.08	0.13	0.043	(0.251)	0.039	0.004
194	16.17	0.13	0.043	(0.249)	0.039	0.004
195	16.25	0.13	0.043	(0.248)	0.039	0.004
196	16.33	0.13	0.043	(0.247)	0.039	0.004
197	16.42	0.13	0.043	(0.246)	0.039	0.004
198	16.50	0.13	0.043	(0.244)	0.039	0.004
199	16.58	0.10	0.032	(0.243)	0.029	0.003
200	16.67	0.10	0.032	(0.242)	0.029	0.003
201	16.75	0.10	0.032	(0.241)	0.029	0.003
202	16.83	0.10	0.032	(0.239)	0.029	0.003
203	16.92	0.10	0.032	(0.238)	0.029	0.003
204	17.00	0.10	0.032	(0.237)	0.029	0.003
205	17.08	0.17	0.054	(0.236)	0.049	0.005
206	17.17	0.17	0.054	(0.235)	0.049	0.005
207	17.25	0.17	0.054	(0.233)	0.049	0.005
208	17.33	0.17	0.054	(0.232)	0.049	0.005
209	17.42	0.17	0.054	(0.231)	0.049	0.005
210	17.50	0.17	0.054	(0.230)	0.049	0.005
211	17.58	0.17	0.054	(0.229)	0.049	0.005
212	17.67	0.17	0.054	(0.228)	0.049	0.005
213	17.75	0.17	0.054	(0.227)	0.049	0.005
214	17.83	0.13	0.043	(0.225)	0.039	0.004
215	17.92	0.13	0.043	(0.224)	0.039	0.004
216	18.00	0.13	0.043	(0.223)	0.039	0.004
217	18.08	0.13	0.043	(0.222)	0.039	0.004
218	18.17	0.13	0.043	(0.221)	0.039	0.004
219	18.25	0.13	0.043	(0.220)	0.039	0.004
220	18.33	0.13	0.043	(0.219)	0.039	0.004
221	18.42	0.13	0.043	(0.218)	0.039	0.004
222	18.50	0.13	0.043	(0.217)	0.039	0.004
223	18.58	0.10	0.032	(0.216)	0.029	0.003
224	18.67	0.10	0.032	(0.215)	0.029	0.003
225	18.75	0.10	0.032	(0.214)	0.029	0.003
226	18.83	0.07	0.022	(0.213)	0.019	0.002
227	18.92	0.07	0.022	(0.212)	0.019	0.002
228	19.00	0.07	0.022	(0.211)	0.019	0.002
229	19.08	0.10	0.032	(0.210)	0.029	0.003
230	19.17	0.10	0.032	(0.209)	0.029	0.003
231	19.25	0.10	0.032	(0.208)	0.029	0.003

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232  19.33     0.13      0.043       (  0.207)       0.039        0.004
233  19.42     0.13      0.043       (  0.206)       0.039        0.004
234  19.50     0.13      0.043       (  0.205)       0.039        0.004
235  19.58     0.10      0.032       (  0.204)       0.029        0.003
236  19.67     0.10      0.032       (  0.203)       0.029        0.003
237  19.75     0.10      0.032       (  0.202)       0.029        0.003
238  19.83     0.07      0.022       (  0.201)       0.019        0.002
239  19.92     0.07      0.022       (  0.200)       0.019        0.002
240  20.00     0.07      0.022       (  0.199)       0.019        0.002
241  20.08     0.10      0.032       (  0.198)       0.029        0.003
242  20.17     0.10      0.032       (  0.197)       0.029        0.003
243  20.25     0.10      0.032       (  0.197)       0.029        0.003
244  20.33     0.10      0.032       (  0.196)       0.029        0.003
245  20.42     0.10      0.032       (  0.195)       0.029        0.003
246  20.50     0.10      0.032       (  0.194)       0.029        0.003
247  20.58     0.10      0.032       (  0.193)       0.029        0.003
248  20.67     0.10      0.032       (  0.192)       0.029        0.003
249  20.75     0.10      0.032       (  0.192)       0.029        0.003
250  20.83     0.07      0.022       (  0.191)       0.019        0.002
251  20.92     0.07      0.022       (  0.190)       0.019        0.002
252  21.00     0.07      0.022       (  0.189)       0.019        0.002
253  21.08     0.10      0.032       (  0.189)       0.029        0.003
254  21.17     0.10      0.032       (  0.188)       0.029        0.003
255  21.25     0.10      0.032       (  0.187)       0.029        0.003
256  21.33     0.07      0.022       (  0.186)       0.019        0.002
257  21.42     0.07      0.022       (  0.186)       0.019        0.002
258  21.50     0.07      0.022       (  0.185)       0.019        0.002
259  21.58     0.10      0.032       (  0.184)       0.029        0.003
260  21.67     0.10      0.032       (  0.184)       0.029        0.003
261  21.75     0.10      0.032       (  0.183)       0.029        0.003
262  21.83     0.07      0.022       (  0.182)       0.019        0.002
263  21.92     0.07      0.022       (  0.182)       0.019        0.002
264  22.00     0.07      0.022       (  0.181)       0.019        0.002
265  22.08     0.10      0.032       (  0.181)       0.029        0.003
266  22.17     0.10      0.032       (  0.180)       0.029        0.003
267  22.25     0.10      0.032       (  0.179)       0.029        0.003
268  22.33     0.07      0.022       (  0.179)       0.019        0.002
269  22.42     0.07      0.022       (  0.178)       0.019        0.002
270  22.50     0.07      0.022       (  0.178)       0.019        0.002
271  22.58     0.07      0.022       (  0.177)       0.019        0.002
272  22.67     0.07      0.022       (  0.177)       0.019        0.002
273  22.75     0.07      0.022       (  0.176)       0.019        0.002
274  22.83     0.07      0.022       (  0.176)       0.019        0.002
275  22.92     0.07      0.022       (  0.175)       0.019        0.002
276  23.00     0.07      0.022       (  0.175)       0.019        0.002
277  23.08     0.07      0.022       (  0.175)       0.019        0.002
278  23.17     0.07      0.022       (  0.174)       0.019        0.002
279  23.25     0.07      0.022       (  0.174)       0.019        0.002
280  23.33     0.07      0.022       (  0.173)       0.019        0.002
281  23.42     0.07      0.022       (  0.173)       0.019        0.002
282  23.50     0.07      0.022       (  0.173)       0.019        0.002
283  23.58     0.07      0.022       (  0.173)       0.019        0.002
284  23.67     0.07      0.022       (  0.172)       0.019        0.002
285  23.75     0.07      0.022       (  0.172)       0.019        0.002
286  23.83     0.07      0.022       (  0.172)       0.019        0.002
287  23.92     0.07      0.022       (  0.172)       0.019        0.002
288  24.00     0.07      0.022       (  0.172)       0.019        0.002
            (Loss Rate Not Used)
    Sum =     100.0                                    Sum =     3.4
     Flood volume = Effective rainfall      0.29(In)
      times area      71.8(Ac.)/[(In)/(Ft.)] =       1.7(Ac.Ft)
     Total soil loss =      2.41(In)
     Total soil loss =    14.443(Ac.Ft)
     Total rainfall =      2.70(In)
     Flood volume =       74652.2 Cubic Feet
     Total soil loss =      629156.9 Cubic Feet
     ---------------------------------------------------------------------
```

Peak flow rate of this hydrograph = 4.908(CFS)

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 2.5 5.0 7.5 10.0
0+ 5	0.0001	0.02	Q
0+10	0.0007	0.08	Q
0+15	0.0015	0.12	Q
0+20	0.0024	0.14	Q
0+25	0.0037	0.18	Q
0+30	0.0051	0.20	Q
0+35	0.0066	0.21	Q
0+40	0.0081	0.22	Q
0+45	0.0096	0.23	Q
0+50	0.0113	0.24	Q
0+55	0.0131	0.27	VQ
1+ 0	0.0151	0.29	VQ
1+ 5	0.0171	0.29	VQ
1+10	0.0190	0.26	VQ
1+15	0.0207	0.25	Q
1+20	0.0223	0.24	Q
1+25	0.0240	0.24	Q
1+30	0.0256	0.24	Q
1+35	0.0273	0.24	Q
1+40	0.0289	0.24	Q
1+45	0.0305	0.24	Q
1+50	0.0322	0.24	Q
1+55	0.0341	0.28	VQ
2+ 0	0.0361	0.29	VQ
2+ 5	0.0382	0.30	VQ
2+10	0.0403	0.30	VQ
2+15	0.0424	0.31	VQ
2+20	0.0445	0.31	|Q
2+25	0.0467	0.31	|Q
2+30	0.0488	0.31	|Q
2+35	0.0510	0.32	|Q
2+40	0.0535	0.35	|Q
2+45	0.0560	0.37	|Q
2+50	0.0586	0.38	|Q
2+55	0.0613	0.38	|Q
3+ 0	0.0639	0.39	|Q
3+ 5	0.0666	0.39	|Q
3+10	0.0692	0.39	|Q
3+15	0.0719	0.39	|Q
3+20	0.0746	0.39	|Q
3+25	0.0773	0.39	|Q
3+30	0.0800	0.39	|Q
3+35	0.0827	0.39	|Q
3+40	0.0854	0.39	|Q
3+45	0.0881	0.39	|QV
3+50	0.0908	0.40	|QV
3+55	0.0938	0.43	|QV
4+ 0	0.0969	0.45	|QV
4+ 5	0.1000	0.46	|QV
4+10	0.1032	0.46	|QV
4+15	0.1064	0.46	|QV
4+20	0.1097	0.47	|QV
4+25	0.1132	0.51	| Q
4+30	0.1168	0.53	| Q
4+35	0.1205	0.53	| Q
4+40	0.1242	0.54	| Q

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 4+45       0.1279      0.54  | Q       |         |         |         |
 4+50       0.1317      0.55  | QV      |         |         |         |
 4+55       0.1357      0.59  | QV      |         |         |         |
 5+ 0       0.1399      0.60  | QV      |         |         |         |
 5+ 5       0.1440      0.59  | QV      |         |         |         |
 5+10       0.1477      0.53  | QV      |         |         |         |
 5+15       0.1511      0.50  | QV      |         |         |         |
 5+20       0.1546      0.50  |Q V      |         |         |         |
 5+25       0.1582      0.52  | QV      |         |         |         |
 5+30       0.1619      0.54  | QV      |         |         |         |
 5+35       0.1657      0.55  | QV      |         |         |         |
 5+40       0.1697      0.58  | QV      |         |         |         |
 5+45       0.1739      0.60  | Q V     |         |         |         |
 5+50       0.1781      0.61  | Q V     |         |         |         |
 5+55       0.1823      0.62  | Q V     |         |         |         |
 6+ 0       0.1866      0.62  | Q V     |         |         |         |
 6+ 5       0.1909      0.63  | Q V     |         |         |         |
 6+10       0.1955      0.66  | Q V     |         |         |         |
 6+15       0.2002      0.68  | Q V     |         |         |         |
 6+20       0.2049      0.69  | Q V     |         |         |         |
 6+25       0.2097      0.69  | Q V     |         |         |         |
 6+30       0.2145      0.70  | Q  V    |         |         |         |
 6+35       0.2194      0.71  | Q  V    |         |         |         |
 6+40       0.2245      0.74  | Q  V    |         |         |         |
 6+45       0.2297      0.76  |  Q V    |         |         |         |
 6+50       0.2350      0.77  |  Q V    |         |         |         |
 6+55       0.2404      0.77  |  Q V    |         |         |         |
 7+ 0       0.2457      0.78  |  Q V    |         |         |         |
 7+ 5       0.2511      0.78  |  Q V    |         |         |         |
 7+10       0.2564      0.78  |  Q V    |         |         |         |
 7+15       0.2618      0.78  |  Q  V   |         |         |         |
 7+20       0.2672      0.79  |  Q  V   |         |         |         |
 7+25       0.2729      0.82  |  Q  V   |         |         |         |
 7+30       0.2787      0.84  |  Q  V   |         |         |         |
 7+35       0.2846      0.86  |  Q  V   |         |         |         |
 7+40       0.2907      0.89  |  Q  V   |         |         |         |
 7+45       0.2970      0.91  |  Q  V   |         |         |         |
 7+50       0.3034      0.93  |  Q   V  |         |         |         |
 7+55       0.3101      0.97  |  Q   V  |         |         |         |
 8+ 0       0.3169      0.99  |  Q   V  |         |         |         |
 8+ 5       0.3239      1.02  |   Q  V  |         |         |         |
 8+10       0.3314      1.09  |   Q  V  |         |         |         |
 8+15       0.3391      1.13  |   Q  V  |         |         |         |
 8+20       0.3470      1.14  |   Q   V |         |         |         |
 8+25       0.3549      1.15  |   Q   V |         |         |         |
 8+30       0.3629      1.16  |   Q   V |         |         |         |
 8+35       0.3710      1.17  |   Q   V |         |         |         |
 8+40       0.3793      1.21  |   Q   V |         |         |         |
 8+45       0.3878      1.23  |   Q    V|         |         |         |
 8+50       0.3964      1.25  |   Q    V|         |         |         |
 8+55       0.4052      1.28  |    Q   V|         |         |         |
 9+ 0       0.4142      1.30  |    Q   V|         |         |         |
 9+ 5       0.4233      1.33  |    Q   V|         |         |         |
 9+10       0.4330      1.40  |    Q    V         |         |         |
 9+15       0.4429      1.44  |    Q    V         |         |         |
 9+20       0.4530      1.46  |    Q    V         |         |         |
 9+25       0.4633      1.51  |     Q   V         |         |         |
 9+30       0.4739      1.53  |     Q   |V        |         |         |
 9+35       0.4846      1.55  |     Q   |V        |         |         |
 9+40       0.4955      1.59  |     Q   |V        |         |         |
 9+45       0.5066      1.61  |     Q   |V        |         |         |
 9+50       0.5179      1.63  |     Q   | V       |         |         |
 9+55       0.5294      1.67  |     Q   | V       |         |         |
10+ 0       0.5410      1.69  |     Q   | V       |         |         |
10+ 5       0.5523      1.64  |     Q   | V       |         |         |
10+10       0.5621      1.42  |    Q    |  V      |         |         |
10+15       0.5711      1.30  |    Q    |  V      |         |         |
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10+20       0.5798      1.26  |    Q    |  V      |         |         |
10+25       0.5883      1.23  |   Q     |  V      |         |         |
10+30       0.5966      1.21  |   Q     |  V      |         |         |
10+35       0.6052      1.24  |   Q     |   V     |         |         |
10+40       0.6148      1.40  |    Q    |   V     |         |         |
10+45       0.6250      1.48  |    Q    |   V     |         |         |
10+50       0.6353      1.51  |     Q   |   V     |         |         |
10+55       0.6458      1.52  |     Q   |    V    |         |         |
11+ 0       0.6564      1.53  |     Q   |    V    |         |         |
11+ 5       0.6670      1.54  |     Q   |    V    |         |         |
11+10       0.6774      1.51  |     Q   |    V    |         |         |
11+15       0.6877      1.50  |    Q    |     V   |         |         |
11+20       0.6980      1.49  |    Q    |     V   |         |         |
11+25       0.7083      1.49  |    Q    |     V   |         |         |
11+30       0.7185      1.49  |    Q    |     V   |         |         |
11+35       0.7287      1.47  |    Q    |      V  |         |         |
11+40       0.7384      1.41  |    Q    |      V  |         |         |
11+45       0.7478      1.37  |    Q    |      V  |         |         |
11+50       0.7572      1.36  |    Q    |      V  |         |         |
11+55       0.7668      1.39  |    Q    |      V  |         |         |
12+ 0       0.7764      1.40  |    Q    |       V |         |         |
12+ 5       0.7865      1.46  |    Q    |       V |         |         |
12+10       0.7981      1.69  |     Q   |       V |         |         |
12+15       0.8106      1.81  |      Q  |       V |         |         |
12+20       0.8235      1.87  |      Q  |        V|         |         |
12+25       0.8368      1.93  |      Q  |        V|         |         |
12+30       0.8504      1.97  |      Q  |        V|         |         |
12+35       0.8642      2.01  |       Q |         V         |         |
12+40       0.8786      2.09  |       Q |         V         |         |
12+45       0.8933      2.13  |       Q |         V         |         |
12+50       0.9082      2.16  |       Q |          V        |         |
12+55       0.9234      2.21  |       Q |          V        |         |
13+ 0       0.9388      2.23  |       Q |          V        |         |
13+ 5       0.9561      2.52  |         Q          | V       |         |
13+10       0.9807      3.57  |         |   Q      | V       |         |
13+15       1.0095      4.19  |         |     Q    |  V      |         |
13+20       1.0405      4.49  |         |      Q   |   V     |         |
13+25       1.0730      4.72  |         |       Q  |    V    |         |
13+30       1.1068      4.91  |         |        Q |    V    |         |
13+35       1.1389      4.67  |         |       Q  |     V   |         |
13+40       1.1618      3.32  |         |  Q       |      V  |         |
13+45       1.1796      2.59  |         Q          |      V  |         |
13+50       1.1956      2.31  |        Q|          |      V  |         |
13+55       1.2104      2.16  |       Q |          |       V |         |
14+ 0       1.2245      2.05  |       Q |          |       V |         |
14+ 5       1.2384      2.01  |       Q |          |       V |         |
14+10       1.2526      2.08  |       Q |          |        V|         |
14+15       1.2671      2.10  |       Q |          |        V|         |
14+20       1.2815      2.09  |       Q |          |        V|         |
14+25       1.2957      2.05  |       Q |          |         V         |
14+30       1.3096      2.03  |       Q |          |         V         |
14+35       1.3236      2.03  |       Q |          |         V         |
14+40       1.3376      2.03  |       Q |          |         |V        |
14+45       1.3516      2.03  |       Q |          |         |V        |
14+50       1.3656      2.02  |       Q |          |         |V        |
14+55       1.3793      1.99  |      Q  |          |         | V       |
15+ 0       1.3929      1.98  |      Q  |          |         | V       |
15+ 5       1.4064      1.96  |      Q  |          |         | V       |
15+10       1.4196      1.92  |      Q  |          |         |  V      |
15+15       1.4327      1.90  |      Q  |          |         |  V      |
15+20       1.4457      1.89  |      Q  |          |         |  V      |
15+25       1.4584      1.85  |      Q  |          |         |   V     |
15+30       1.4710      1.83  |      Q  |          |         |   V     |
15+35       1.4833      1.78  |      Q  |          |         |   V     |
15+40       1.4946      1.65  |     Q   |          |         |   V     |
15+45       1.5055      1.57  |     Q   |          |         |    V    |
15+50       1.5161      1.54  |     Q   |          |         |    V    |
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15+55       1.5266      1.52  |      Q   |          |          |    V     |
16+ 0       1.5370      1.51  |      Q   |          |          |    V     |
16+ 5       1.5464      1.37  |     Q    |          |          |     V    |
16+10       1.5525      0.88  |   Q      |          |          |     V    |
16+15       1.5568      0.62  | Q        |          |          |     V    |
16+20       1.5603      0.51  | Q        |          |          |     V    |
16+25       1.5633      0.44  |Q         |          |          |     V    |
16+30       1.5661      0.40  |Q         |          |          |     V    |
16+35       1.5686      0.36  |Q         |          |          |     V    |
16+40       1.5708      0.31  |Q         |          |          |     V    |
16+45       1.5727      0.28  |Q         |          |          |     V    |
16+50       1.5745      0.26  |Q         |          |          |     V    |
16+55       1.5762      0.25  Q          |          |          |     V    |
17+ 0       1.5778      0.24  Q          |          |          |     V    |
17+ 5       1.5796      0.26  |Q         |          |          |     V    |
17+10       1.5818      0.32  |Q         |          |          |     V    |
17+15       1.5842      0.35  |Q         |          |          |     V    |
17+20       1.5868      0.37  |Q         |          |          |      V   |
17+25       1.5893      0.37  |Q         |          |          |      V   |
17+30       1.5919      0.38  |Q         |          |          |      V   |
17+35       1.5946      0.38  |Q         |          |          |      V   |
17+40       1.5972      0.39  |Q         |          |          |      V   |
17+45       1.5999      0.39  |Q         |          |          |      V   |
17+50       1.6025      0.38  |Q         |          |          |      V   |
17+55       1.6049      0.35  |Q         |          |          |      V   |
18+ 0       1.6072      0.33  |Q         |          |          |      V   |
18+ 5       1.6095      0.33  |Q         |          |          |      V   |
18+10       1.6117      0.32  |Q         |          |          |      V   |
18+15       1.6139      0.32  |Q         |          |          |      V   |
18+20       1.6161      0.32  |Q         |          |          |      V   |
18+25       1.6182      0.32  |Q         |          |          |      V   |
18+30       1.6204      0.31  |Q         |          |          |      V   |
18+35       1.6225      0.31  |Q         |          |          |      V   |
18+40       1.6244      0.27  |Q         |          |          |      V   |
18+45       1.6261      0.25  |Q         |          |          |      V   |
18+50       1.6278      0.24  Q          |          |          |      V   |
18+55       1.6292      0.20  Q          |          |          |       V  |
19+ 0       1.6304      0.18  Q          |          |          |       V  |
19+ 5       1.6317      0.18  Q          |          |          |       V  |
19+10       1.6331      0.21  Q          |          |          |       V  |
19+15       1.6346      0.22  Q          |          |          |       V  |
19+20       1.6363      0.24  Q          |          |          |       V  |
19+25       1.6381      0.27  |Q         |          |          |       V  |
19+30       1.6401      0.29  |Q         |          |          |       V  |
19+35       1.6421      0.29  |Q         |          |          |       V  |
19+40       1.6439      0.26  |Q         |          |          |       V  |
19+45       1.6456      0.25  Q          |          |          |       V  |
19+50       1.6472      0.23  Q          |          |          |       V  |
19+55       1.6486      0.20  Q          |          |          |       V  |
20+ 0       1.6498      0.18  Q          |          |          |       V  |
20+ 5       1.6511      0.18  Q          |          |          |       V  |
20+10       1.6525      0.21  Q          |          |          |       V  |
20+15       1.6540      0.22  Q          |          |          |       V  |
20+20       1.6556      0.23  Q          |          |          |       V  |
20+25       1.6572      0.23  Q          |          |          |       V  |
20+30       1.6588      0.23  Q          |          |          |       V  |
20+35       1.6603      0.23  Q          |          |          |       V  |
20+40       1.6619      0.23  Q          |          |          |       V  |
20+45       1.6636      0.23  Q          |          |          |       V  |
20+50       1.6651      0.22  Q          |          |          |       V  |
20+55       1.6664      0.19  Q          |          |          |       V  |
21+ 0       1.6676      0.18  Q          |          |          |       V  |
21+ 5       1.6689      0.18  Q          |          |          |       V  |
21+10       1.6703      0.21  Q          |          |          |       V  |
21+15       1.6718      0.22  Q          |          |          |        V |
21+20       1.6733      0.22  Q          |          |          |        V |
21+25       1.6746      0.19  Q          |          |          |        V |
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21+30	1.6758	0.17	Q	|	|	|	V|
21+35	1.6770	0.17	Q	|	|	|	V|
21+40	1.6784	0.20	Q	|	|	|	V|
21+45	1.6799	0.22	Q	|	|	|	V|
21+50	1.6814	0.22	Q	|	|	|	V|
21+55	1.6827	0.19	Q	|	|	|	V|
22+ 0	1.6839	0.17	Q	|	|	|	V|
22+ 5	1.6851	0.17	Q	|	|	|	V|
22+10	1.6865	0.20	Q	|	|	|	V|
22+15	1.6880	0.22	Q	|	|	|	V|
22+20	1.6895	0.22	Q	|	|	|	V|
22+25	1.6908	0.19	Q	|	|	|	V|
22+30	1.6919	0.17	Q	|	|	|	V|
22+35	1.6931	0.17	Q	|	|	|	V|
22+40	1.6942	0.16	Q	|	|	|	V|
22+45	1.6953	0.16	Q	|	|	|	V|
22+50	1.6964	0.16	Q	|	|	|	V|
22+55	1.6975	0.16	Q	|	|	|	V|
23+ 0	1.6986	0.16	Q	|	|	|	V|
23+ 5	1.6997	0.16	Q	|	|	|	V|
23+10	1.7008	0.16	Q	|	|	|	V|
23+15	1.7018	0.16	Q	|	|	|	V|
23+20	1.7029	0.16	Q	|	|	|	V|
23+25	1.7040	0.16	Q	|	|	|	V|
23+30	1.7051	0.16	Q	|	|	|	V|
23+35	1.7061	0.16	Q	|	|	|	V|
23+40	1.7072	0.16	Q	|	|	|	V|
23+45	1.7083	0.16	Q	|	|	|	V|
23+50	1.7094	0.16	Q	|	|	|	V|
23+55	1.7104	0.16	Q	|	|	|	V|
24+ 0	1.7115	0.16	Q	|	|	|	V|
24+ 5	1.7125	0.14	Q	|	|	|	V|
24+10	1.7130	0.07	Q	|	|	|	V|
24+15	1.7133	0.04	Q	|	|	|	V|
24+20	1.7134	0.03	Q	|	|	|	V|
24+25	1.7136	0.02	Q	|	|	|	V|
24+30	1.7136	0.01	Q	|	|	|	V|
24+35	1.7137	0.01	Q	|	|	|	V|
24+40	1.7137	0.01	Q	|	|	|	V|
24+45	1.7138	0.00	Q	|	|	|	V|
24+50	1.7138	0.00	Q	|	|	|	V|
24+55	1.7138	0.00	Q	|	|	|	V

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRE242.rte
**********HYDROGRAPH DATA**********
Number of intervals = 292
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.956 (CFS)
Total volume = 3.619 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN E- ROUTING
2YR-24HR STORM

++++++++++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 292
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.350	0.980	0.347	0.353
2.000	0.770	1.960	0.763	0.777
3.000	1.260	2.540	1.251	1.269
4.000	1.800	3.010	1.790	1.810
5.000	2.410	16.920	2.352	2.468
6.000	3.070	123.450	2.645	3.495
7.000	3.800	311.150	2.729	4.871
8.000	4.590	551.930	2.689	6.491

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 1.5 2.98 4.47 5.96	Depth (Ft.)
0.083	0.13	0.00	0.000	O | | | |	0.00
0.167	0.29	0.01	0.002	OI | | | |	0.01
0.250	0.33	0.01	0.004	OI | | | |	0.01

0.333	0.41	0.02	0.006	O I	|	|	|	0.02
0.417	0.50	0.03	0.009	O I	|	|	|	0.03
0.500	0.51	0.04	0.013	O I	|	|	|	0.04
0.583	0.52	0.04	0.016	O I	|	|	|	0.05
0.667	0.53	0.05	0.019	O I	|	|	|	0.05
0.750	0.53	0.06	0.022	O I	|	|	|	0.06
0.833	0.59	0.07	0.026	O I	|	|	|	0.07
0.917	0.67	0.08	0.030	O I	|	|	|	0.08
1.000	0.69	0.09	0.034	O I	|	|	|	0.10
1.083	0.63	0.10	0.037	O I	|	|	|	0.11
1.167	0.56	0.11	0.041	O I	|	|	|	0.12
1.250	0.54	0.12	0.044	O I	|	|	|	0.12
1.333	0.53	0.13	0.047	O I	|	|	|	0.13
1.417	0.53	0.14	0.049	O I	|	|	|	0.14
1.500	0.53	0.15	0.052	O I	|	|	|	0.15
1.583	0.53	0.15	0.054	O I	|	|	|	0.16
1.667	0.53	0.16	0.057	O I	|	|	|	0.16
1.750	0.53	0.17	0.060	O I	|	|	|	0.17
1.833	0.59	0.17	0.062	O I	|	|	|	0.18
1.917	0.67	0.18	0.065	O I	|	|	|	0.19
2.000	0.69	0.19	0.069	O I	|	|	|	0.20
2.083	0.70	0.20	0.072	O I	|	|	|	0.21
2.167	0.70	0.21	0.075	O I	|	|	|	0.22
2.250	0.70	0.22	0.079	O I	|	|	|	0.23
2.333	0.70	0.23	0.082	O I	|	|	|	0.23
2.417	0.70	0.24	0.085	O I	|	|	|	0.24
2.500	0.70	0.25	0.088	O I	|	|	|	0.25
2.583	0.77	0.26	0.092	O I	|	|	|	0.26
2.667	0.85	0.27	0.096	O I	|	|	|	0.27
2.750	0.86	0.28	0.100	O I	|	|	|	0.28
2.833	0.87	0.29	0.104	O I	|	|	|	0.30
2.917	0.88	0.30	0.108	O I	|	|	|	0.31
3.000	0.88	0.31	0.111	O I	|	|	|	0.32
3.083	0.88	0.32	0.115	O I	|	|	|	0.33
3.167	0.88	0.33	0.119	O I	|	|	|	0.34
3.250	0.88	0.34	0.123	O I	|	|	|	0.35
3.333	0.88	0.35	0.126	O I	|	|	|	0.36
3.417	0.88	0.36	0.130	O I	|	|	|	0.37
3.500	0.88	0.37	0.133	O I	|	|	|	0.38
3.583	0.88	0.38	0.137	O I	|	|	|	0.39
3.667	0.88	0.39	0.140	O I	|	|	|	0.40
3.750	0.88	0.40	0.144	O I	|	|	|	0.41
3.833	0.94	0.41	0.147	O I	|	|	|	0.42
3.917	1.02	0.42	0.151	O I	|	|	|	0.43
4.000	1.04	0.43	0.155	O I	|	|	|	0.44
4.083	1.05	0.45	0.159	O I	|	|	|	0.45
4.167	1.05	0.46	0.163	O I	|	|	|	0.47
4.250	1.05	0.47	0.167	O I	|	|	|	0.48
4.333	1.12	0.48	0.172	O I	|	|	|	0.49
4.417	1.20	0.49	0.176	O I	|	|	|	0.50
4.500	1.21	0.51	0.181	O I	|	|	|	0.52
4.583	1.22	0.52	0.186	O I	|	|	|	0.53
4.667	1.23	0.53	0.191	O I	|	|	|	0.54
4.750	1.23	0.55	0.195	O I	|	|	|	0.56
4.833	1.29	0.56	0.200	O I	|	|	|	0.57
4.917	1.37	0.58	0.205	O I	|	|	|	0.59
5.000	1.39	0.59	0.211	O I	|	|	|	0.60
5.083	1.27	0.60	0.216	O I	|	|	|	0.62
5.167	1.11	0.62	0.220	O I	|	|	|	0.63
5.250	1.08	0.63	0.223	O I	|	|	|	0.64
5.333	1.12	0.63	0.226	O I	|	|	|	0.65
5.417	1.20	0.64	0.230	O I	|	|	|	0.66
5.500	1.21	0.65	0.234	O I	|	|	|	0.67
5.583	1.29	0.67	0.238	O I	|	|	|	0.68
5.667	1.37	0.68	0.242	O I	|	|	|	0.69
5.750	1.39	0.69	0.247	O I	|	|	|	0.71
5.833	1.40	0.71	0.252	O I	|	|	|	0.72

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 5.917    1.40    0.72      0.257  |  O   I|       |       |       |     0.73
 6.000    1.40    0.73      0.261  |  O   I|       |       |       |     0.75
 6.083    1.47    0.75      0.266  |   O  I|       |       |       |     0.76
 6.167    1.55    0.76      0.271  |   O   I       |       |       |     0.78
 6.250    1.56    0.78      0.277  |   O   I       |       |       |     0.79
 6.333    1.57    0.79      0.282  |   O   I       |       |       |     0.81
 6.417    1.58    0.81      0.288  |   O   I       |       |       |     0.82
 6.500    1.58    0.82      0.293  |   O   I       |       |       |     0.84
 6.583    1.64    0.83      0.298  |   O   I       |       |       |     0.85
 6.667    1.72    0.85      0.304  |   O   |I      |       |       |     0.87
 6.750    1.74    0.87      0.310  |   O   |I      |       |       |     0.89
 6.833    1.75    0.88      0.316  |   O   |I      |       |       |     0.90
 6.917    1.75    0.90      0.322  |   O   |I      |       |       |     0.92
 7.000    1.75    0.92      0.328  |   O   |I      |       |       |     0.94
 7.083    1.75    0.93      0.333  |    O  |I      |       |       |     0.95
 7.167    1.75    0.95      0.339  |    O  |I      |       |       |     0.97
 7.250    1.75    0.96      0.344  |    O  |I      |       |       |     0.98
 7.333    1.82    0.98      0.350  |    O  |I      |       |       |     1.00
 7.417    1.90    0.99      0.356  |    O  | I     |       |       |     1.01
 7.500    1.91    1.01      0.362  |    O  | I     |       |       |     1.03
 7.583    1.99    1.02      0.369  |    O  | I     |       |       |     1.04
 7.667    2.07    1.04      0.376  |    O  |  I    |       |       |     1.06
 7.750    2.09    1.06      0.383  |    O  |  I    |       |       |     1.08
 7.833    2.16    1.07      0.390  |    O  |  I    |       |       |     1.10
 7.917    2.25    1.09      0.398  |    O  |   I   |       |       |     1.11
 8.000    2.26    1.11      0.406  |    O  |   I   |       |       |     1.13
 8.083    2.40    1.13      0.414  |     O |   I   |       |       |     1.15
 8.167    2.57    1.15      0.423  |     O |    I  |       |       |     1.17
 8.250    2.60    1.17      0.433  |     O |    I  |       |       |     1.20
 8.333    2.62    1.20      0.443  |     O |     I |       |       |     1.22
 8.417    2.63    1.22      0.453  |     O |     I |       |       |     1.24
 8.500    2.63    1.24      0.462  |     O |     I |       |       |     1.27
 8.583    2.69    1.26      0.472  |     O |     I |       |       |     1.29
 8.667    2.77    1.29      0.482  |     O |     I |       |       |     1.31
 8.750    2.79    1.31      0.492  |      O|     I |       |       |     1.34
 8.833    2.86    1.34      0.502  |      O|      I|       |       |     1.36
 8.917    2.95    1.36      0.513  |      O|      I|       |       |     1.39
 9.000    2.97    1.39      0.524  |      O|      I|       |       |     1.41
 9.083    3.10    1.41      0.535  |      O|       I       |       |     1.44
 9.167    3.27    1.44      0.547  |      O|       |I      |       |     1.47
 9.250    3.30    1.47      0.560  |      O|       |I      |       |     1.50
 9.333    3.38    1.50      0.573  |       O       | I     |       |     1.53
 9.417    3.47    1.53      0.586  |       O       | I     |       |     1.56
 9.500    3.49    1.56      0.599  |       O       | I     |       |     1.59
 9.583    3.56    1.59      0.613  |       O       |  I    |       |     1.63
 9.667    3.65    1.63      0.627  |       O       |  I    |       |     1.66
 9.750    3.67    1.66      0.640  |       O       |  I    |       |     1.69
 9.833    3.74    1.69      0.654  |       |O      |   I   |       |     1.72
 9.917    3.82    1.72      0.669  |       |O      |   I   |       |     1.76
10.000    3.84    1.76      0.683  |       |O      |   I   |       |     1.79
10.083    3.40    1.79      0.696  |       |O      | I     |       |     1.82
10.167    2.84    1.81      0.705  |       |O     I|       |       |     1.85
10.250    2.71    1.82      0.712  |       |O    I |       |       |     1.86
10.333    2.66    1.84      0.717  |       |O    I |       |       |     1.87
10.417    2.63    1.85      0.723  |       |O    I |       |       |     1.89
10.500    2.63    1.86      0.728  |       | O   I |       |       |     1.90
10.583    2.95    1.88      0.735  |       | O    I|       |       |     1.92
10.667    3.35    1.90      0.743  |       | O     | I     |       |     1.94
10.750    3.44    1.92      0.754  |       | O     | I     |       |     1.96
10.833    3.48    1.95      0.764  |       | O     | I     |       |     1.99
10.917    3.50    1.97      0.775  |       | O     | I     |       |     2.01
11.000    3.50    1.98      0.785  |       | O     | I     |       |     2.03
11.083    3.44    1.99      0.795  |       | O     | I     |       |     2.05
11.167    3.36    2.00      0.805  |       | O     | I     |       |     2.07
11.250    3.34    2.01      0.814  |       | O     |I      |       |     2.09
11.333    3.33    2.02      0.823  |       | O     |I      |       |     2.11
11.417    3.33    2.03      0.832  |       | O     |I      |       |     2.13
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11.500    3.33    2.04      0.841  |        | O     |I      |        |      2.15
11.583    3.20    2.05      0.850  |        |  O    |I      |        |      2.16
11.667    3.04    2.06      0.857  |        |  O    I       |        |      2.18
11.750    3.00    2.07      0.864  |        |  O    I       |        |      2.19
11.833    3.05    2.08      0.870  |        |  O    I       |        |      2.20
11.917    3.12    2.09      0.877  |        |  O    I       |        |      2.22
12.000    3.14    2.10      0.884  |        |  O    I       |        |      2.23
12.083    3.60    2.11      0.893  |        |  O    |  I    |        |      2.25
12.167    4.17    2.12      0.905  |        |  O    |     I |        |      2.28
12.250    4.29    2.14      0.920  |        |  O    |      I|        |      2.31
12.333    4.41    2.16      0.935  |        |  O    |      I|        |      2.34
12.417    4.52    2.17      0.951  |        |  O    |       I        |      2.37
12.500    4.54    2.19      0.967  |        |  O    |       I        |      2.40
12.583    4.68    2.21      0.983  |        |  O    |       |I       |      2.44
12.667    4.84    2.23      1.001  |        |  O    |       | I      |      2.47
12.750    4.88    2.25      1.019  |        |   O   |       | I      |      2.51
12.833    4.96    2.28      1.037  |        |   O   |       | I      |      2.55
12.917    5.05    2.30      1.056  |        |   O   |       |  I     |      2.58
13.000    5.07    2.32      1.075  |        |   O   |       |  I     |      2.62
13.083    5.40    2.34      1.095  |        |   O   |       |    I   |      2.66
13.167    5.80    2.37      1.117  |        |   O   |       |      I|      2.71
13.250    5.89    2.40      1.141  |        |   O   |       |      I|      2.76
13.333    5.93    2.43      1.165  |        |    O  |       |      I|      2.81
13.417    5.96    2.46      1.189  |        |    O  |       |       I      2.86
13.500    5.96    2.48      1.213  |        |    O  |       |       I      2.90
13.583    5.25    2.51      1.235  |        |    O  |       |   I   |      2.95
13.667    4.36    2.53      1.250  |        |    O  |      I|       |      2.98
13.750    4.16    2.54      1.262  |        |    O  |     I |       |      3.00
13.833    4.08    2.55      1.273  |        |    O  |    I  |       |      3.02
13.917    4.03    2.56      1.283  |        |    O  |    I  |       |      3.04
14.000    4.03    2.57      1.294  |        |    O  |    I  |       |      3.06
14.083    4.29    2.58      1.304  |        |    O  |      I|       |      3.08
14.167    4.61    2.59      1.317  |        |    O  |       I       |      3.11
14.250    4.68    2.60      1.331  |        |    O  |       |I      |      3.13
14.333    4.65    2.61      1.346  |        |     O |       I       |      3.16
14.417    4.58    2.63      1.359  |        |     O |       I       |      3.18
14.500    4.57    2.64      1.373  |        |     O |       I       |      3.21
14.583    4.56    2.65      1.386  |        |     O |       I       |      3.23
14.667    4.55    2.66      1.399  |        |     O |       I       |      3.26
14.750    4.55    2.67      1.412  |        |     O |       I       |      3.28
14.833    4.49    2.68      1.425  |        |     O |       I       |      3.30
14.917    4.41    2.69      1.437  |        |     O |      I|       |      3.33
15.000    4.39    2.70      1.449  |        |     O |      I|       |      3.35
15.083    4.32    2.71      1.460  |        |     O |      I|       |      3.37
15.167    4.23    2.72      1.471  |        |     O |     I |       |      3.39
15.250    4.22    2.73      1.481  |        |     O |     I |       |      3.41
15.333    4.14    2.74      1.491  |        |     O |     I |       |      3.43
15.417    4.06    2.75      1.500  |        |     O |    I  |       |      3.44
15.500    4.04    2.76      1.509  |        |     O |    I  |       |      3.46
15.583    3.78    2.76      1.517  |        |     O |   I   |       |      3.48
15.667    3.45    2.77      1.523  |        |     O | I     |       |      3.49
15.750    3.38    2.77      1.527  |        |     O | I     |       |      3.49
15.833    3.35    2.78      1.531  |        |     O |I      |       |      3.50
15.917    3.33    2.78      1.535  |        |     O |I      |       |      3.51
16.000    3.33    2.78      1.539  |        |     O |I      |       |      3.52
16.083    2.36    2.78      1.539  |        |   I O |       |       |      3.52
16.167    1.16    2.78      1.532  |     I  |     O |       |       |      3.50
16.250    0.89    2.77      1.520  |   I    |     O |       |       |      3.48
16.333    0.77    2.75      1.507  |   I    |     O |       |       |      3.46
16.417    0.70    2.74      1.493  |  I     |     O |       |       |      3.43
16.500    0.70    2.73      1.479  |  I     |     O |       |       |      3.41
16.583    0.64    2.72      1.465  |  I     |     O |       |       |      3.38
16.667    0.56    2.71      1.450  | I      |     O |       |       |      3.35
16.750    0.54    2.69      1.436  | I      |     O |       |       |      3.33
16.833    0.53    2.68      1.421  | I      |     O |       |       |      3.30
16.917    0.53    2.67      1.406  | I      |     O |       |       |      3.27
17.000    0.53    2.65      1.391  | I      |     O |       |       |      3.24
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17.083    0.65    2.64      1.377  |  I    |     O |       |       |     3.22
17.167    0.81    2.63      1.364  |   I   |     O |       |       |     3.19
17.250    0.85    2.62      1.352  |   I   |     O |       |       |     3.17
17.333    0.87    2.61      1.340  |   I   |     O |       |       |     3.15
17.417    0.88    2.60      1.328  |   I   |    O  |       |       |     3.13
17.500    0.88    2.59      1.316  |   I   |    O  |       |       |     3.10
17.583    0.88    2.58      1.304  |   I   |    O  |       |       |     3.08
17.667    0.88    2.57      1.292  |   I   |    O  |       |       |     3.06
17.750    0.88    2.56      1.281  |   I   |    O  |       |       |     3.04
17.833    0.81    2.55      1.269  |   I   |    O  |       |       |     3.02
17.917    0.73    2.54      1.257  |  I    |    O  |       |       |     2.99
18.000    0.71    2.52      1.244  |  I    |    O  |       |       |     2.97
18.083    0.71    2.51      1.232  |  I    |    O  |       |       |     2.94
18.167    0.70    2.49      1.219  |  I    |    O  |       |       |     2.92
18.250    0.70    2.48      1.207  |  I    |    O  |       |       |     2.89
18.333    0.70    2.46      1.195  |  I    |    O  |       |       |     2.87
18.417    0.70    2.45      1.183  |  I    |    O  |       |       |     2.84
18.500    0.70    2.43      1.171  |  I    |    O  |       |       |     2.82
18.583    0.64    2.42      1.159  |  I    |    O  |       |       |     2.79
18.667    0.56    2.41      1.146  | I     |   O   |       |       |     2.77
18.750    0.54    2.39      1.134  | I     |   O   |       |       |     2.74
18.833    0.47    2.38      1.121  | I     |   O   |       |       |     2.72
18.917    0.38    2.36      1.107  | I     |   O   |       |       |     2.69
19.000    0.36    2.34      1.094  |I      |   O   |       |       |     2.66
19.083    0.42    2.33      1.080  | I     |   O   |       |       |     2.63
19.167    0.50    2.31      1.067  | I     |   O   |       |       |     2.61
19.250    0.51    2.30      1.055  | I     |   O   |       |       |     2.58
19.333    0.59    2.28      1.043  |  I    |   O   |       |       |     2.56
19.417    0.67    2.27      1.032  |  I    |   O   |       |       |     2.53
19.500    0.69    2.26      1.021  |  I    |   O   |       |       |     2.51
19.583    0.63    2.24      1.010  |  I    |   O   |       |       |     2.49
19.667    0.56    2.23      0.998  | I     |  O    |       |       |     2.47
19.750    0.54    2.22      0.987  | I     |  O    |       |       |     2.44
19.833    0.47    2.20      0.975  | I     |  O    |       |       |     2.42
19.917    0.38    2.19      0.963  | I     |  O    |       |       |     2.39
20.000    0.36    2.17      0.950  |I      |  O    |       |       |     2.37
20.083    0.42    2.16      0.938  | I     |  O    |       |       |     2.34
20.167    0.50    2.15      0.927  | I     |  O    |       |       |     2.32
20.250    0.51    2.13      0.915  | I     |  O    |       |       |     2.30
20.333    0.52    2.12      0.904  | I     |  O    |       |       |     2.27
20.417    0.53    2.11      0.893  | I     |  O    |       |       |     2.25
20.500    0.53    2.09      0.882  | I     |  O    |       |       |     2.23
20.583    0.53    2.08      0.872  | I     |  O    |       |       |     2.21
20.667    0.53    2.07      0.861  | I     |  O    |       |       |     2.19
20.750    0.53    2.06      0.850  | I     |  O    |       |       |     2.16
20.833    0.46    2.04      0.840  | I     | O     |       |       |     2.14
20.917    0.38    2.03      0.829  | I     | O     |       |       |     2.12
21.000    0.36    2.02      0.817  |I      | O     |       |       |     2.10
21.083    0.42    2.00      0.806  | I     | O     |       |       |     2.07
21.167    0.50    1.99      0.796  | I     | O     |       |       |     2.05
21.250    0.51    1.98      0.785  | I     | O     |       |       |     2.03
21.333    0.46    1.97      0.775  | I     | O     |       |       |     2.01
21.417    0.38    1.95      0.764  | I     | O     |       |       |     1.99
21.500    0.36    1.92      0.754  |I      | O     |       |       |     1.96
21.583    0.42    1.90      0.743  | I     | O     |       |       |     1.94
21.667    0.50    1.87      0.733  | I     | O     |       |       |     1.91
21.750    0.51    1.85      0.724  | I     |O      |       |       |     1.89
21.833    0.46    1.83      0.715  | I     |O      |       |       |     1.87
21.917    0.38    1.81      0.705  | I     |O      |       |       |     1.85
22.000    0.36    1.79      0.695  |I      |O      |       |       |     1.82
22.083    0.42    1.76      0.686  | I     |O      |       |       |     1.80
22.167    0.50    1.74      0.677  | I     |O      |       |       |     1.78
22.250    0.51    1.72      0.668  | I     |O      |       |       |     1.76
22.333    0.46    1.70      0.660  | I     |O      |       |       |     1.74
22.417    0.38    1.68      0.651  | I     |O      |       |       |     1.72
22.500    0.36    1.66      0.642  |I      O       |       |       |     1.70
22.583    0.35    1.64      0.633  |I      O       |       |       |     1.67
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22.667    0.35    1.62      0.624  |I      O       |       |       |     1.65
22.750    0.35    1.60      0.616  |I      O       |       |       |     1.63
22.833    0.35    1.58      0.607  |I      O       |       |       |     1.61
22.917    0.35    1.56      0.599  |I      O       |       |       |     1.59
23.000    0.35    1.54      0.591  |I      O       |       |       |     1.57
23.083    0.35    1.52      0.582  |I      O       |       |       |     1.55
23.167    0.35    1.50      0.574  |I      O       |       |       |     1.53
23.250    0.35    1.49      0.567  |I     O|       |       |       |     1.52
23.333    0.35    1.47      0.559  |I     O|       |       |       |     1.50
23.417    0.35    1.45      0.551  |I     O|       |       |       |     1.48
23.500    0.35    1.43      0.544  |I     O|       |       |       |     1.46
23.583    0.35    1.41      0.536  |I     O|       |       |       |     1.44
23.667    0.35    1.40      0.529  |I     O|       |       |       |     1.43
23.750    0.35    1.38      0.522  |I     O|       |       |       |     1.41
23.833    0.35    1.36      0.515  |I     O|       |       |       |     1.39
23.917    0.35    1.35      0.508  |I     O|       |       |       |     1.38
24.000    0.35    1.33      0.501  |I     O|       |       |       |     1.36
24.083    0.22    1.32      0.494  |I     O|       |       |       |     1.34
24.167    0.06    1.30      0.486  I     O |       |       |       |     1.32
24.250    0.02    1.28      0.477  I     O |       |       |       |     1.30
24.333    0.01    1.26      0.469  I     O |       |       |       |     1.28
24.417    0.00    1.24      0.460  I     O |       |       |       |     1.26
24.500    0.00    1.22      0.452  I     O |       |       |       |     1.24
24.583    0.00    1.20      0.443  I     O |       |       |       |     1.22
24.667    0.00    1.18      0.435  I     O |       |       |       |     1.20
24.750    0.00    1.16      0.427  I     O |       |       |       |     1.18
24.833    0.00    1.14      0.419  I     O |       |       |       |     1.16
24.917    0.00    1.12      0.411  I     O |       |       |       |     1.15
25.000    0.00    1.11      0.404  I    O  |       |       |       |     1.13
25.083    0.00    1.09      0.396  I    O  |       |       |       |     1.11
25.167    0.00    1.07      0.389  I    O  |       |       |       |     1.09
25.250    0.00    1.05      0.381  I    O  |       |       |       |     1.07
25.333    0.00    1.04      0.374  I    O  |       |       |       |     1.06
25.417    0.00    1.02      0.367  I    O  |       |       |       |     1.04
25.500    0.00    1.00      0.360  I    O  |       |       |       |     1.02
25.583    0.00    0.99      0.353  I    O  |       |       |       |     1.01
25.667    0.00    0.97      0.347  I    O  |       |       |       |     0.99
25.750    0.00    0.95      0.340  I    O  |       |       |       |     0.97
25.833    0.00    0.93      0.333  I    O  |       |       |       |     0.95
25.917    0.00    0.92      0.327  I   O   |       |       |       |     0.93
26.000    0.00    0.90      0.321  I   O   |       |       |       |     0.92
26.083    0.00    0.88      0.315  I   O   |       |       |       |     0.90
26.167    0.00    0.86      0.309  I   O   |       |       |       |     0.88
26.250    0.00    0.85      0.303  I   O   |       |       |       |     0.87
26.333    0.00    0.83      0.297  I   O   |       |       |       |     0.85
26.417    0.00    0.82      0.291  I   O   |       |       |       |     0.83
26.500    0.00    0.80      0.286  I   O   |       |       |       |     0.82
26.583    0.00    0.78      0.280  I   O   |       |       |       |     0.80
26.667    0.00    0.77      0.275  I   O   |       |       |       |     0.79
26.750    0.00    0.76      0.270  I   O   |       |       |       |     0.77
26.833    0.00    0.74      0.265  I  O    |       |       |       |     0.76
26.917    0.00    0.73      0.260  I  O    |       |       |       |     0.74
27.000    0.00    0.71      0.255  I  O    |       |       |       |     0.73
27.083    0.00    0.70      0.250  I  O    |       |       |       |     0.71
27.167    0.00    0.69      0.245  I  O    |       |       |       |     0.70
27.250    0.00    0.67      0.240  I  O    |       |       |       |     0.69
27.333    0.00    0.66      0.236  I  O    |       |       |       |     0.67
27.417    0.00    0.65      0.231  I  O    |       |       |       |     0.66
27.500    0.00    0.63      0.227  I  O    |       |       |       |     0.65
27.583    0.00    0.62      0.222  I  O    |       |       |       |     0.64
27.667    0.00    0.61      0.218  I  O    |       |       |       |     0.62
27.750    0.00    0.60      0.214  I  O    |       |       |       |     0.61
27.833    0.00    0.59      0.210  I  O    |       |       |       |     0.60
27.917    0.00    0.58      0.206  I  O    |       |       |       |     0.59
28.000    0.00    0.57      0.202  I  O    |       |       |       |     0.58
28.083    0.00    0.55      0.198  I O     |       |       |       |     0.57
28.167    0.00    0.54      0.194  I O     |       |       |       |     0.56
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28.250	0.00	0.53	0.191	I O	|	|	|	0.54
28.333	0.00	0.52	0.187	I O	|	|	|	0.53
28.417	0.00	0.51	0.183	I O	|	|	|	0.52
28.500	0.00	0.50	0.180	I O	|	|	|	0.51
28.583	0.00	0.49	0.176	I O	|	|	|	0.50
28.667	0.00	0.48	0.173	I O	|	|	|	0.49
28.750	0.00	0.48	0.170	I O	|	|	|	0.49
28.833	0.00	0.47	0.167	I O	|	|	|	0.48
28.917	0.00	0.46	0.163	I O	|	|	|	0.47
29.000	0.00	0.45	0.160	I O	|	|	|	0.46
29.083	0.00	0.44	0.157	I O	|	|	|	0.45
29.167	0.00	0.43	0.154	I O	|	|	|	0.44
29.250	0.00	0.42	0.151	I O	|	|	|	0.43
29.333	0.00	0.42	0.148	I O	|	|	|	0.42
29.417	0.00	0.41	0.146	I O	|	|	|	0.42
29.500	0.00	0.40	0.143	I O	|	|	|	0.41
29.583	0.00	0.39	0.140	I O	|	|	|	0.40
29.667	0.00	0.38	0.137	I O	|	|	|	0.39
29.750	0.00	0.38	0.135	I O	|	|	|	0.38
29.833	0.00	0.37	0.132	IO	|	|	|	0.38
29.917	0.00	0.36	0.130	IO	|	|	|	0.37
30.000	0.00	0.36	0.127	IO	|	|	|	0.36
30.083	0.00	0.35	0.125	IO	|	|	|	0.36
30.167	0.00	0.34	0.122	IO	|	|	|	0.35
30.250	0.00	0.34	0.120	IO	|	|	|	0.34
30.333	0.00	0.33	0.118	IO	|	|	|	0.34
30.417	0.00	0.32	0.115	IO	|	|	|	0.33
30.500	0.00	0.32	0.113	IO	|	|	|	0.32
30.583	0.00	0.31	0.111	IO	|	|	|	0.32
30.667	0.00	0.31	0.109	IO	|	|	|	0.31
30.750	0.00	0.30	0.107	IO	|	|	|	0.31
30.833	0.00	0.29	0.105	IO	|	|	|	0.30
30.917	0.00	0.29	0.103	IO	|	|	|	0.29
31.000	0.00	0.28	0.101	IO	|	|	|	0.29
31.083	0.00	0.28	0.099	IO	|	|	|	0.28
31.167	0.00	0.27	0.097	IO	|	|	|	0.28
31.250	0.00	0.27	0.095	IO	|	|	|	0.27
31.333	0.00	0.26	0.093	IO	|	|	|	0.27
31.417	0.00	0.26	0.092	IO	|	|	|	0.26
31.500	0.00	0.25	0.090	IO	|	|	|	0.26
31.583	0.00	0.25	0.088	IO	|	|	|	0.25
31.667	0.00	0.24	0.086	IO	|	|	|	0.25
31.750	0.00	0.24	0.085	IO	|	|	|	0.24
31.833	0.00	0.23	0.083	IO	|	|	|	0.24
31.917	0.00	0.23	0.082	IO	|	|	|	0.23
32.000	0.00	0.22	0.080	IO	|	|	|	0.23
32.083	0.00	0.22	0.079	IO	|	|	|	0.22
32.167	0.00	0.22	0.077	IO	|	|	|	0.22
32.250	0.00	0.21	0.076	IO	|	|	|	0.22
32.333	0.00	0.21	0.074	IO	|	|	|	0.21
32.417	0.00	0.20	0.073	IO	|	|	|	0.21
32.500	0.00	0.20	0.071	IO	|	|	|	0.20
32.583	0.00	0.20	0.070	IO	|	|	|	0.20
32.667	0.00	0.19	0.069	IO	|	|	|	0.20
32.750	0.00	0.19	0.067	IO	|	|	|	0.19
32.833	0.00	0.18	0.066	O	|	|	|	0.19
32.917	0.00	0.18	0.065	O	|	|	|	0.18
33.000	0.00	0.18	0.064	O	|	|	|	0.18
33.083	0.00	0.17	0.062	O	|	|	|	0.18
33.167	0.00	0.17	0.061	O	|	|	|	0.17
33.250	0.00	0.17	0.060	O	|	|	|	0.17
33.333	0.00	0.16	0.059	O	|	|	|	0.17
33.417	0.00	0.16	0.058	O	|	|	|	0.16
33.500	0.00	0.16	0.057	O	|	|	|	0.16
33.583	0.00	0.16	0.055	O	|	|	|	0.16
33.667	0.00	0.15	0.054	O	|	|	|	0.16
33.750	0.00	0.15	0.053	O	|	|	|	0.15

33.833	0.00	0.15	0.052	O	|	|	|	|	0.15
33.917	0.00	0.14	0.051	O	|	|	|	|	0.15
34.000	0.00	0.14	0.050	O	|	|	|	|	0.14
34.083	0.00	0.14	0.049	O	|	|	|	|	0.14
34.167	0.00	0.14	0.048	O	|	|	|	|	0.14
34.250	0.00	0.13	0.048	O	|	|	|	|	0.14
34.333	0.00	0.13	0.047	O	|	|	|	|	0.13
34.417	0.00	0.13	0.046	O	|	|	|	|	0.13
34.500	0.00	0.13	0.045	O	|	|	|	|	0.13
34.583	0.00	0.12	0.044	O	|	|	|	|	0.13
34.667	0.00	0.12	0.043	O	|	|	|	|	0.12
34.750	0.00	0.12	0.042	O	|	|	|	|	0.12
34.833	0.00	0.12	0.042	O	|	|	|	|	0.12
34.917	0.00	0.11	0.041	O	|	|	|	|	0.12
35.000	0.00	0.11	0.040	O	|	|	|	|	0.11
35.083	0.00	0.11	0.039	O	|	|	|	|	0.11
35.167	0.00	0.11	0.038	O	|	|	|	|	0.11
35.250	0.00	0.11	0.038	O	|	|	|	|	0.11
35.333	0.00	0.10	0.037	O	|	|	|	|	0.11
35.417	0.00	0.10	0.036	O	|	|	|	|	0.10
35.500	0.00	0.10	0.036	O	|	|	|	|	0.10
35.583	0.00	0.10	0.035	O	|	|	|	|	0.10
35.667	0.00	0.10	0.034	O	|	|	|	|	0.10
35.750	0.00	0.09	0.034	O	|	|	|	|	0.10
35.833	0.00	0.09	0.033	O	|	|	|	|	0.09
35.917	0.00	0.09	0.032	O	|	|	|	|	0.09
36.000	0.00	0.09	0.032	O	|	|	|	|	0.09
36.083	0.00	0.09	0.031	O	|	|	|	|	0.09
36.167	0.00	0.09	0.031	O	|	|	|	|	0.09
36.250	0.00	0.08	0.030	O	|	|	|	|	0.09
36.333	0.00	0.08	0.029	O	|	|	|	|	0.08
36.417	0.00	0.08	0.029	O	|	|	|	|	0.08
36.500	0.00	0.08	0.028	O	|	|	|	|	0.08
36.583	0.00	0.08	0.028	O	|	|	|	|	0.08
36.667	0.00	0.08	0.027	O	|	|	|	|	0.08
36.750	0.00	0.07	0.027	O	|	|	|	|	0.08
36.833	0.00	0.07	0.026	O	|	|	|	|	0.07
36.917	0.00	0.07	0.026	O	|	|	|	|	0.07
37.000	0.00	0.07	0.025	O	|	|	|	|	0.07
37.083	0.00	0.07	0.025	O	|	|	|	|	0.07
37.167	0.00	0.07	0.024	O	|	|	|	|	0.07
37.250	0.00	0.07	0.024	O	|	|	|	|	0.07
37.333	0.00	0.07	0.023	O	|	|	|	|	0.07
37.417	0.00	0.06	0.023	O	|	|	|	|	0.07
37.500	0.00	0.06	0.022	O	|	|	|	|	0.06
37.583	0.00	0.06	0.022	O	|	|	|	|	0.06
37.667	0.00	0.06	0.022	O	|	|	|	|	0.06
37.750	0.00	0.06	0.021	O	|	|	|	|	0.06
37.833	0.00	0.06	0.021	O	|	|	|	|	0.06
37.917	0.00	0.06	0.020	O	|	|	|	|	0.06
38.000	0.00	0.06	0.020	O	|	|	|	|	0.06
38.083	0.00	0.05	0.020	O	|	|	|	|	0.06
38.167	0.00	0.05	0.019	O	|	|	|	|	0.05
38.250	0.00	0.05	0.019	O	|	|	|	|	0.05
38.333	0.00	0.05	0.018	O	|	|	|	|	0.05
38.417	0.00	0.05	0.018	O	|	|	|	|	0.05
38.500	0.00	0.05	0.018	O	|	|	|	|	0.05
38.583	0.00	0.05	0.017	O	|	|	|	|	0.05
38.667	0.00	0.05	0.017	O	|	|	|	|	0.05
38.750	0.00	0.05	0.017	O	|	|	|	|	0.05
38.833	0.00	0.05	0.016	O	|	|	|	|	0.05
38.917	0.00	0.05	0.016	O	|	|	|	|	0.05
39.000	0.00	0.04	0.016	O	|	|	|	|	0.05
39.083	0.00	0.04	0.016	O	|	|	|	|	0.04
39.167	0.00	0.04	0.015	O	|	|	|	|	0.04
39.250	0.00	0.04	0.015	O	|	|	|	|	0.04
39.333	0.00	0.04	0.015	O	|	|	|	|	0.04

39.417	0.00	0.04	0.014	O	|	|	|	|	0.04
39.500	0.00	0.04	0.014	O	|	|	|	|	0.04
39.583	0.00	0.04	0.014	O	|	|	|	|	0.04
39.667	0.00	0.04	0.014	O	|	|	|	|	0.04
39.750	0.00	0.04	0.013	O	|	|	|	|	0.04
39.833	0.00	0.04	0.013	O	|	|	|	|	0.04
39.917	0.00	0.04	0.013	O	|	|	|	|	0.04
40.000	0.00	0.04	0.013	O	|	|	|	|	0.04
40.083	0.00	0.03	0.012	O	|	|	|	|	0.04
40.167	0.00	0.03	0.012	O	|	|	|	|	0.03
40.250	0.00	0.03	0.012	O	|	|	|	|	0.03
40.333	0.00	0.03	0.012	O	|	|	|	|	0.03
40.417	0.00	0.03	0.011	O	|	|	|	|	0.03
40.500	0.00	0.03	0.011	O	|	|	|	|	0.03
40.583	0.00	0.03	0.011	O	|	|	|	|	0.03
40.667	0.00	0.03	0.011	O	|	|	|	|	0.03
40.750	0.00	0.03	0.011	O	|	|	|	|	0.03
40.833	0.00	0.03	0.010	O	|	|	|	|	0.03
40.917	0.00	0.03	0.010	O	|	|	|	|	0.03
41.000	0.00	0.03	0.010	O	|	|	|	|	0.03
41.083	0.00	0.03	0.010	O	|	|	|	|	0.03
41.167	0.00	0.03	0.010	O	|	|	|	|	0.03
41.250	0.00	0.03	0.009	O	|	|	|	|	0.03
41.333	0.00	0.03	0.009	O	|	|	|	|	0.03
41.417	0.00	0.03	0.009	O	|	|	|	|	0.03
41.500	0.00	0.02	0.009	O	|	|	|	|	0.03
41.583	0.00	0.02	0.009	O	|	|	|	|	0.02
41.667	0.00	0.02	0.009	O	|	|	|	|	0.02
41.750	0.00	0.02	0.008	O	|	|	|	|	0.02
41.833	0.00	0.02	0.008	O	|	|	|	|	0.02
41.917	0.00	0.02	0.008	O	|	|	|	|	0.02
42.000	0.00	0.02	0.008	O	|	|	|	|	0.02
42.083	0.00	0.02	0.008	O	|	|	|	|	0.02
42.167	0.00	0.02	0.008	O	|	|	|	|	0.02
42.250	0.00	0.02	0.007	O	|	|	|	|	0.02
42.333	0.00	0.02	0.007	O	|	|	|	|	0.02
42.417	0.00	0.02	0.007	O	|	|	|	|	0.02
42.500	0.00	0.02	0.007	O	|	|	|	|	0.02
42.583	0.00	0.02	0.007	O	|	|	|	|	0.02
42.667	0.00	0.02	0.007	O	|	|	|	|	0.02
42.750	0.00	0.02	0.007	O	|	|	|	|	0.02
42.833	0.00	0.02	0.007	O	|	|	|	|	0.02
42.917	0.00	0.02	0.006	O	|	|	|	|	0.02
43.000	0.00	0.02	0.006	O	|	|	|	|	0.02
43.083	0.00	0.02	0.006	O	|	|	|	|	0.02
43.167	0.00	0.02	0.006	O	|	|	|	|	0.02
43.250	0.00	0.02	0.006	O	|	|	|	|	0.02
43.333	0.00	0.02	0.006	O	|	|	|	|	0.02
43.417	0.00	0.02	0.006	O	|	|	|	|	0.02
43.500	0.00	0.02	0.006	O	|	|	|	|	0.02
43.583	0.00	0.02	0.005	O	|	|	|	|	0.02
43.667	0.00	0.02	0.005	O	|	|	|	|	0.02
43.750	0.00	0.01	0.005	O	|	|	|	|	0.02
43.833	0.00	0.01	0.005	O	|	|	|	|	0.01
43.917	0.00	0.01	0.005	O	|	|	|	|	0.01
44.000	0.00	0.01	0.005	O	|	|	|	|	0.01
44.083	0.00	0.01	0.005	O	|	|	|	|	0.01
44.167	0.00	0.01	0.005	O	|	|	|	|	0.01
44.250	0.00	0.01	0.005	O	|	|	|	|	0.01
44.333	0.00	0.01	0.005	O	|	|	|	|	0.01
44.417	0.00	0.01	0.005	O	|	|	|	|	0.01
44.500	0.00	0.01	0.004	O	|	|	|	|	0.01
44.583	0.00	0.01	0.004	O	|	|	|	|	0.01
44.667	0.00	0.01	0.004	O	|	|	|	|	0.01
44.750	0.00	0.01	0.004	O	|	|	|	|	0.01
44.833	0.00	0.01	0.004	O	|	|	|	|	0.01
44.917	0.00	0.01	0.004	O	|	|	|	|	0.01

45.000	0.00	0.01	0.004	O	|	|	|	|	0.01
45.083	0.00	0.01	0.004	O	|	|	|	|	0.01
45.167	0.00	0.01	0.004	O	|	|	|	|	0.01
45.250	0.00	0.01	0.004	O	|	|	|	|	0.01
45.333	0.00	0.01	0.004	O	|	|	|	|	0.01
45.417	0.00	0.01	0.004	O	|	|	|	|	0.01
45.500	0.00	0.01	0.004	O	|	|	|	|	0.01
45.583	0.00	0.01	0.003	O	|	|	|	|	0.01
45.667	0.00	0.01	0.003	O	|	|	|	|	0.01
45.750	0.00	0.01	0.003	O	|	|	|	|	0.01
45.833	0.00	0.01	0.003	O	|	|	|	|	0.01
45.917	0.00	0.01	0.003	O	|	|	|	|	0.01
46.000	0.00	0.01	0.003	O	|	|	|	|	0.01
46.083	0.00	0.01	0.003	O	|	|	|	|	0.01
46.167	0.00	0.01	0.003	O	|	|	|	|	0.01
46.250	0.00	0.01	0.003	O	|	|	|	|	0.01
46.333	0.00	0.01	0.003	O	|	|	|	|	0.01
46.417	0.00	0.01	0.003	O	|	|	|	|	0.01
46.500	0.00	0.01	0.003	O	|	|	|	|	0.01
46.583	0.00	0.01	0.003	O	|	|	|	|	0.01
46.667	0.00	0.01	0.003	O	|	|	|	|	0.01
46.750	0.00	0.01	0.003	O	|	|	|	|	0.01
46.833	0.00	0.01	0.003	O	|	|	|	|	0.01
46.917	0.00	0.01	0.003	O	|	|	|	|	0.01
47.000	0.00	0.01	0.002	O	|	|	|	|	0.01
47.083	0.00	0.01	0.002	O	|	|	|	|	0.01
47.167	0.00	0.01	0.002	O	|	|	|	|	0.01
47.250	0.00	0.01	0.002	O	|	|	|	|	0.01
47.333	0.00	0.01	0.002	O	|	|	|	|	0.01
47.417	0.00	0.01	0.002	O	|	|	|	|	0.01
47.500	0.00	0.01	0.002	O	|	|	|	|	0.01
47.583	0.00	0.01	0.002	O	|	|	|	|	0.01
47.667	0.00	0.01	0.002	O	|	|	|	|	0.01
47.750	0.00	0.01	0.002	O	|	|	|	|	0.01
47.833	0.00	0.01	0.002	O	|	|	|	|	0.01
47.917	0.00	0.01	0.002	O	|	|	|	|	0.01
48.000	0.00	0.01	0.002	O	|	|	|	|	0.01
48.083	0.00	0.01	0.002	O	|	|	|	|	0.01
48.167	0.00	0.01	0.002	O	|	|	|	|	0.01
48.250	0.00	0.01	0.002	O	|	|	|	|	0.01
48.333	0.00	0.01	0.002	O	|	|	|	|	0.01
48.417	0.00	0.01	0.002	O	|	|	|	|	0.01
48.500	0.00	0.00	0.002	O	|	|	|	|	0.01
48.583	0.00	0.00	0.002	O	|	|	|	|	0.00
48.667	0.00	0.00	0.002	O	|	|	|	|	0.00
48.750	0.00	0.00	0.002	O	|	|	|	|	0.00
48.833	0.00	0.00	0.002	O	|	|	|	|	0.00
48.917	0.00	0.00	0.002	O	|	|	|	|	0.00
49.000	0.00	0.00	0.002	O	|	|	|	|	0.00
49.083	0.00	0.00	0.002	O	|	|	|	|	0.00
49.167	0.00	0.00	0.002	O	|	|	|	|	0.00
49.250	0.00	0.00	0.001	O	|	|	|	|	0.00
49.333	0.00	0.00	0.001	O	|	|	|	|	0.00
49.417	0.00	0.00	0.001	O	|	|	|	|	0.00
49.500	0.00	0.00	0.001	O	|	|	|	|	0.00
49.583	0.00	0.00	0.001	O	|	|	|	|	0.00
49.667	0.00	0.00	0.001	O	|	|	|	|	0.00
49.750	0.00	0.00	0.001	O	|	|	|	|	0.00
49.833	0.00	0.00	0.001	O	|	|	|	|	0.00
49.917	0.00	0.00	0.001	O	|	|	|	|	0.00
50.000	0.00	0.00	0.001	O	|	|	|	|	0.00
50.083	0.00	0.00	0.001	O	|	|	|	|	0.00
50.167	0.00	0.00	0.001	O	|	|	|	|	0.00
50.250	0.00	0.00	0.001	O	|	|	|	|	0.00
50.333	0.00	0.00	0.001	O	|	|	|	|	0.00
50.417	0.00	0.00	0.001	O	|	|	|	|	0.00
50.500	0.00	0.00	0.001	O	|	|	|	|	0.00

50.583	0.00	0.00	0.001	O	|	|	|	|	0.00
50.667	0.00	0.00	0.001	O	|	|	|	|	0.00
50.750	0.00	0.00	0.001	O	|	|	|	|	0.00
50.833	0.00	0.00	0.001	O	|	|	|	|	0.00
50.917	0.00	0.00	0.001	O	|	|	|	|	0.00
51.000	0.00	0.00	0.001	O	|	|	|	|	0.00
51.083	0.00	0.00	0.001	O	|	|	|	|	0.00
51.167	0.00	0.00	0.001	O	|	|	|	|	0.00
51.250	0.00	0.00	0.001	O	|	|	|	|	0.00
51.333	0.00	0.00	0.001	O	|	|	|	|	0.00
51.417	0.00	0.00	0.001	O	|	|	|	|	0.00
51.500	0.00	0.00	0.001	O	|	|	|	|	0.00
51.583	0.00	0.00	0.001	O	|	|	|	|	0.00
51.667	0.00	0.00	0.001	O	|	|	|	|	0.00
51.750	0.00	0.00	0.001	O	|	|	|	|	0.00
51.833	0.00	0.00	0.001	O	|	|	|	|	0.00
51.917	0.00	0.00	0.001	O	|	|	|	|	0.00
52.000	0.00	0.00	0.001	O	|	|	|	|	0.00
52.083	0.00	0.00	0.001	O	|	|	|	|	0.00
52.167	0.00	0.00	0.001	O	|	|	|	|	0.00
52.250	0.00	0.00	0.001	O	|	|	|	|	0.00
52.333	0.00	0.00	0.001	O	|	|	|	|	0.00
52.417	0.00	0.00	0.001	O	|	|	|	|	0.00
52.500	0.00	0.00	0.001	O	|	|	|	|	0.00
52.583	0.00	0.00	0.001	O	|	|	|	|	0.00
52.667	0.00	0.00	0.001	O	|	|	|	|	0.00
52.750	0.00	0.00	0.001	O	|	|	|	|	0.00
52.833	0.00	0.00	0.001	O	|	|	|	|	0.00
52.917	0.00	0.00	0.001	O	|	|	|	|	0.00
53.000	0.00	0.00	0.001	O	|	|	|	|	0.00
53.083	0.00	0.00	0.001	O	|	|	|	|	0.00
53.167	0.00	0.00	0.001	O	|	|	|	|	0.00
53.250	0.00	0.00	0.001	O	|	|	|	|	0.00
53.333	0.00	0.00	0.001	O	|	|	|	|	0.00
53.417	0.00	0.00	0.001	O	|	|	|	|	0.00
53.500	0.00	0.00	0.001	O	|	|	|	|	0.00
53.583	0.00	0.00	0.001	O	|	|	|	|	0.00
53.667	0.00	0.00	0.001	O	|	|	|	|	0.00
53.750	0.00	0.00	0.001	O	|	|	|	|	0.00
53.833	0.00	0.00	0.001	O	|	|	|	|	0.00
53.917	0.00	0.00	0.001	O	|	|	|	|	0.00
54.000	0.00	0.00	0.000	O	|	|	|	|	0.00
54.083	0.00	0.00	0.000	O	|	|	|	|	0.00
54.167	0.00	0.00	0.000	O	|	|	|	|	0.00
54.250	0.00	0.00	0.000	O	|	|	|	|	0.00
54.333	0.00	0.00	0.000	O	|	|	|	|	0.00
54.417	0.00	0.00	0.000	O	|	|	|	|	0.00
54.500	0.00	0.00	0.000	O	|	|	|	|	0.00
54.583	0.00	0.00	0.000	O	|	|	|	|	0.00
54.667	0.00	0.00	0.000	O	|	|	|	|	0.00
54.750	0.00	0.00	0.000	O	|	|	|	|	0.00
54.833	0.00	0.00	0.000	O	|	|	|	|	0.00
54.917	0.00	0.00	0.000	O	|	|	|	|	0.00
55.000	0.00	0.00	0.000	O	|	|	|	|	0.00
55.083	0.00	0.00	0.000	O	|	|	|	|	0.00
55.167	0.00	0.00	0.000	O	|	|	|	|	0.00
55.250	0.00	0.00	0.000	O	|	|	|	|	0.00
55.333	0.00	0.00	0.000	O	|	|	|	|	0.00
55.417	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 665
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.783 (CFS)
Total volume = 3.619 (Ac.Ft)

Status of hydrographs being held in storage

Stream 1	Stream 2	Stream 3	Stream 4	Stream 5

```
      Peak (CFS)      0.000     0.000     0.000     0.000     0.000
      Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
*******************************************************************************

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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/14/21 File: RVEF242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN F- EXISTING UNIT HYDROGRAPH
2YR-24HRS

Drainage Area = 16.69(Ac.) = 0.026 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 16.69(Ac.) = 0.026 Sq. Mi.
Length along longest watercourse = 791.00(Ft.)
Length along longest watercourse measured to centroid = 467.00(Ft.)
Length along longest watercourse = 0.150 Mi.
Length along longest watercourse measured to centroid = 0.088 Mi.
Difference in elevation = 5.00(Ft.)
Slope along watercourse = 33.3755 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.095 Hr.
Lag time = 5.72 Min.
25% of lag time = 1.43 Min.
40% of lag time = 2.29 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	2.70	45.06

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
16.69	7.00	116.83

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
16.690	84.90	0.000

Total Area Entered = 16.69(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-1     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
84.9  69.9      0.364     0.000        0.364       1.000      0.364
                                                  Sum (F) =   0.364
Area averaged mean soil loss (F) (In/Hr) =  0.364
Minimum soil loss rate ((In/Hr)) =  0.182
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
--------------------------------------------------------------------

            U n i t  H y d r o g r a p h
                   VALLEY S-Curve
--------------------------------------------------------------------
            Unit Hydrograph Data
--------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %            (CFS)
--------------------------------------------------------------------
       1   0.083         87.408         15.416              2.593
       2   0.167        174.817         46.539              7.828
       3   0.250        262.225         17.997              3.027
       4   0.333        349.633          7.791              1.310
       5   0.417        437.042          4.570              0.769
       6   0.500        524.450          2.880              0.485
       7   0.583        611.859          2.016              0.339
       8   0.667        699.267          1.314              0.221
       9   0.750        786.675          0.907              0.153
      10   0.833        874.084          0.570              0.096
                               Sum = 100.000   Sum=          16.820
--------------------------------------------------------------------
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The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.644)	0.019	0.002
2	0.17	0.07	0.022	(0.642)	0.019	0.002
3	0.25	0.07	0.022	(0.639)	0.019	0.002
4	0.33	0.10	0.032	(0.637)	0.029	0.003
5	0.42	0.10	0.032	(0.634)	0.029	0.003
6	0.50	0.10	0.032	(0.632)	0.029	0.003
7	0.58	0.10	0.032	(0.630)	0.029	0.003
8	0.67	0.10	0.032	(0.627)	0.029	0.003
9	0.75	0.10	0.032	(0.625)	0.029	0.003
10	0.83	0.13	0.043	(0.622)	0.039	0.004
11	0.92	0.13	0.043	(0.620)	0.039	0.004
12	1.00	0.13	0.043	(0.617)	0.039	0.004
13	1.08	0.10	0.032	(0.615)	0.029	0.003
14	1.17	0.10	0.032	(0.612)	0.029	0.003
15	1.25	0.10	0.032	(0.610)	0.029	0.003
16	1.33	0.10	0.032	(0.608)	0.029	0.003
17	1.42	0.10	0.032	(0.605)	0.029	0.003
18	1.50	0.10	0.032	(0.603)	0.029	0.003
19	1.58	0.10	0.032	(0.600)	0.029	0.003
20	1.67	0.10	0.032	(0.598)	0.029	0.003
21	1.75	0.10	0.032	(0.595)	0.029	0.003
22	1.83	0.13	0.043	(0.593)	0.039	0.004
23	1.92	0.13	0.043	(0.591)	0.039	0.004
24	2.00	0.13	0.043	(0.588)	0.039	0.004
25	2.08	0.13	0.043	(0.586)	0.039	0.004
26	2.17	0.13	0.043	(0.584)	0.039	0.004
27	2.25	0.13	0.043	(0.581)	0.039	0.004
28	2.33	0.13	0.043	(0.579)	0.039	0.004
29	2.42	0.13	0.043	(0.576)	0.039	0.004
30	2.50	0.13	0.043	(0.574)	0.039	0.004
31	2.58	0.17	0.054	(0.572)	0.049	0.005

32	2.67	0.17	0.054	(0.569)	0.049	0.005
33	2.75	0.17	0.054	(0.567)	0.049	0.005
34	2.83	0.17	0.054	(0.565)	0.049	0.005
35	2.92	0.17	0.054	(0.562)	0.049	0.005
36	3.00	0.17	0.054	(0.560)	0.049	0.005
37	3.08	0.17	0.054	(0.558)	0.049	0.005
38	3.17	0.17	0.054	(0.555)	0.049	0.005
39	3.25	0.17	0.054	(0.553)	0.049	0.005
40	3.33	0.17	0.054	(0.551)	0.049	0.005
41	3.42	0.17	0.054	(0.549)	0.049	0.005
42	3.50	0.17	0.054	(0.546)	0.049	0.005
43	3.58	0.17	0.054	(0.544)	0.049	0.005
44	3.67	0.17	0.054	(0.542)	0.049	0.005
45	3.75	0.17	0.054	(0.539)	0.049	0.005
46	3.83	0.20	0.065	(0.537)	0.058	0.006
47	3.92	0.20	0.065	(0.535)	0.058	0.006
48	4.00	0.20	0.065	(0.533)	0.058	0.006
49	4.08	0.20	0.065	(0.530)	0.058	0.006
50	4.17	0.20	0.065	(0.528)	0.058	0.006
51	4.25	0.20	0.065	(0.526)	0.058	0.006
52	4.33	0.23	0.076	(0.524)	0.068	0.008
53	4.42	0.23	0.076	(0.521)	0.068	0.008
54	4.50	0.23	0.076	(0.519)	0.068	0.008
55	4.58	0.23	0.076	(0.517)	0.068	0.008
56	4.67	0.23	0.076	(0.515)	0.068	0.008
57	4.75	0.23	0.076	(0.512)	0.068	0.008
58	4.83	0.27	0.086	(0.510)	0.078	0.009
59	4.92	0.27	0.086	(0.508)	0.078	0.009
60	5.00	0.27	0.086	(0.506)	0.078	0.009
61	5.08	0.20	0.065	(0.504)	0.058	0.006
62	5.17	0.20	0.065	(0.501)	0.058	0.006
63	5.25	0.20	0.065	(0.499)	0.058	0.006
64	5.33	0.23	0.076	(0.497)	0.068	0.008
65	5.42	0.23	0.076	(0.495)	0.068	0.008
66	5.50	0.23	0.076	(0.493)	0.068	0.008
67	5.58	0.27	0.086	(0.491)	0.078	0.009
68	5.67	0.27	0.086	(0.488)	0.078	0.009
69	5.75	0.27	0.086	(0.486)	0.078	0.009
70	5.83	0.27	0.086	(0.484)	0.078	0.009
71	5.92	0.27	0.086	(0.482)	0.078	0.009
72	6.00	0.27	0.086	(0.480)	0.078	0.009
73	6.08	0.30	0.097	(0.478)	0.087	0.010
74	6.17	0.30	0.097	(0.476)	0.087	0.010
75	6.25	0.30	0.097	(0.473)	0.087	0.010
76	6.33	0.30	0.097	(0.471)	0.087	0.010
77	6.42	0.30	0.097	(0.469)	0.087	0.010
78	6.50	0.30	0.097	(0.467)	0.087	0.010
79	6.58	0.33	0.108	(0.465)	0.097	0.011
80	6.67	0.33	0.108	(0.463)	0.097	0.011
81	6.75	0.33	0.108	(0.461)	0.097	0.011
82	6.83	0.33	0.108	(0.459)	0.097	0.011
83	6.92	0.33	0.108	(0.457)	0.097	0.011
84	7.00	0.33	0.108	(0.455)	0.097	0.011
85	7.08	0.33	0.108	(0.453)	0.097	0.011
86	7.17	0.33	0.108	(0.450)	0.097	0.011
87	7.25	0.33	0.108	(0.448)	0.097	0.011
88	7.33	0.37	0.119	(0.446)	0.107	0.012
89	7.42	0.37	0.119	(0.444)	0.107	0.012
90	7.50	0.37	0.119	(0.442)	0.107	0.012
91	7.58	0.40	0.130	(0.440)	0.117	0.013
92	7.67	0.40	0.130	(0.438)	0.117	0.013
93	7.75	0.40	0.130	(0.436)	0.117	0.013
94	7.83	0.43	0.140	(0.434)	0.126	0.014
95	7.92	0.43	0.140	(0.432)	0.126	0.014
96	8.00	0.43	0.140	(0.430)	0.126	0.014
97	8.08	0.50	0.162	(0.428)	0.146	0.016
98	8.17	0.50	0.162	(0.426)	0.146	0.016

99	8.25	0.50	0.162	(	0.424)	0.146	0.016
100	8.33	0.50	0.162	(	0.422)	0.146	0.016
101	8.42	0.50	0.162	(	0.420)	0.146	0.016
102	8.50	0.50	0.162	(	0.418)	0.146	0.016
103	8.58	0.53	0.173	(	0.416)	0.156	0.017
104	8.67	0.53	0.173	(	0.414)	0.156	0.017
105	8.75	0.53	0.173	(	0.412)	0.156	0.017
106	8.83	0.57	0.184	(	0.410)	0.165	0.018
107	8.92	0.57	0.184	(	0.409)	0.165	0.018
108	9.00	0.57	0.184	(	0.407)	0.165	0.018
109	9.08	0.63	0.205	(	0.405)	0.185	0.021
110	9.17	0.63	0.205	(	0.403)	0.185	0.021
111	9.25	0.63	0.205	(	0.401)	0.185	0.021
112	9.33	0.67	0.216	(	0.399)	0.194	0.022
113	9.42	0.67	0.216	(	0.397)	0.194	0.022
114	9.50	0.67	0.216	(	0.395)	0.194	0.022
115	9.58	0.70	0.227	(	0.393)	0.204	0.023
116	9.67	0.70	0.227	(	0.391)	0.204	0.023
117	9.75	0.70	0.227	(	0.389)	0.204	0.023
118	9.83	0.73	0.238	(	0.388)	0.214	0.024
119	9.92	0.73	0.238	(	0.386)	0.214	0.024
120	10.00	0.73	0.238	(	0.384)	0.214	0.024
121	10.08	0.50	0.162	(	0.382)	0.146	0.016
122	10.17	0.50	0.162	(	0.380)	0.146	0.016
123	10.25	0.50	0.162	(	0.378)	0.146	0.016
124	10.33	0.50	0.162	(	0.376)	0.146	0.016
125	10.42	0.50	0.162	(	0.375)	0.146	0.016
126	10.50	0.50	0.162	(	0.373)	0.146	0.016
127	10.58	0.67	0.216	(	0.371)	0.194	0.022
128	10.67	0.67	0.216	(	0.369)	0.194	0.022
129	10.75	0.67	0.216	(	0.367)	0.194	0.022
130	10.83	0.67	0.216	(	0.366)	0.194	0.022
131	10.92	0.67	0.216	(	0.364)	0.194	0.022
132	11.00	0.67	0.216	(	0.362)	0.194	0.022
133	11.08	0.63	0.205	(	0.360)	0.185	0.021
134	11.17	0.63	0.205	(	0.358)	0.185	0.021
135	11.25	0.63	0.205	(	0.357)	0.185	0.021
136	11.33	0.63	0.205	(	0.355)	0.185	0.021
137	11.42	0.63	0.205	(	0.353)	0.185	0.021
138	11.50	0.63	0.205	(	0.351)	0.185	0.021
139	11.58	0.57	0.184	(	0.350)	0.165	0.018
140	11.67	0.57	0.184	(	0.348)	0.165	0.018
141	11.75	0.57	0.184	(	0.346)	0.165	0.018
142	11.83	0.60	0.194	(	0.344)	0.175	0.019
143	11.92	0.60	0.194	(	0.343)	0.175	0.019
144	12.00	0.60	0.194	(	0.341)	0.175	0.019
145	12.08	0.83	0.270	(	0.339)	0.243	0.027
146	12.17	0.83	0.270	(	0.338)	0.243	0.027
147	12.25	0.83	0.270	(	0.336)	0.243	0.027
148	12.33	0.87	0.281	(	0.334)	0.253	0.028
149	12.42	0.87	0.281	(	0.333)	0.253	0.028
150	12.50	0.87	0.281	(	0.331)	0.253	0.028
151	12.58	0.93	0.302	(	0.329)	0.272	0.030
152	12.67	0.93	0.302	(	0.328)	0.272	0.030
153	12.75	0.93	0.302	(	0.326)	0.272	0.030
154	12.83	0.97	0.313	(	0.324)	0.282	0.031
155	12.92	0.97	0.313	(	0.323)	0.282	0.031
156	13.00	0.97	0.313	(	0.321)	0.282	0.031
157	13.08	1.13	0.367		0.319	(0.330)	0.048
158	13.17	1.13	0.367		0.318	(0.330)	0.049
159	13.25	1.13	0.367		0.316	(0.330)	0.051
160	13.33	1.13	0.367		0.315	(0.330)	0.053
161	13.42	1.13	0.367		0.313	(0.330)	0.054
162	13.50	1.13	0.367		0.311	(0.330)	0.056
163	13.58	0.77	0.248	(	0.310)	0.224	0.025
164	13.67	0.77	0.248	(	0.308)	0.224	0.025
165	13.75	0.77	0.248	(	0.307)	0.224	0.025

166	13.83	0.77	0.248	(0.305)	0.224	0.025
167	13.92	0.77	0.248	(0.304)	0.224	0.025
168	14.00	0.77	0.248	(0.302)	0.224	0.025
169	14.08	0.90	0.292	(0.300)	0.262	0.029
170	14.17	0.90	0.292	(0.299)	0.262	0.029
171	14.25	0.90	0.292	(0.297)	0.262	0.029
172	14.33	0.87	0.281	(0.296)	0.253	0.028
173	14.42	0.87	0.281	(0.294)	0.253	0.028
174	14.50	0.87	0.281	(0.293)	0.253	0.028
175	14.58	0.87	0.281	(0.291)	0.253	0.028
176	14.67	0.87	0.281	(0.290)	0.253	0.028
177	14.75	0.87	0.281	(0.288)	0.253	0.028
178	14.83	0.83	0.270	(0.287)	0.243	0.027
179	14.92	0.83	0.270	(0.285)	0.243	0.027
180	15.00	0.83	0.270	(0.284)	0.243	0.027
181	15.08	0.80	0.259	(0.282)	0.233	0.026
182	15.17	0.80	0.259	(0.281)	0.233	0.026
183	15.25	0.80	0.259	(0.280)	0.233	0.026
184	15.33	0.77	0.248	(0.278)	0.224	0.025
185	15.42	0.77	0.248	(0.277)	0.224	0.025
186	15.50	0.77	0.248	(0.275)	0.224	0.025
187	15.58	0.63	0.205	(0.274)	0.185	0.021
188	15.67	0.63	0.205	(0.272)	0.185	0.021
189	15.75	0.63	0.205	(0.271)	0.185	0.021
190	15.83	0.63	0.205	(0.270)	0.185	0.021
191	15.92	0.63	0.205	(0.268)	0.185	0.021
192	16.00	0.63	0.205	(0.267)	0.185	0.021
193	16.08	0.13	0.043	(0.266)	0.039	0.004
194	16.17	0.13	0.043	(0.264)	0.039	0.004
195	16.25	0.13	0.043	(0.263)	0.039	0.004
196	16.33	0.13	0.043	(0.262)	0.039	0.004
197	16.42	0.13	0.043	(0.260)	0.039	0.004
198	16.50	0.13	0.043	(0.259)	0.039	0.004
199	16.58	0.10	0.032	(0.258)	0.029	0.003
200	16.67	0.10	0.032	(0.256)	0.029	0.003
201	16.75	0.10	0.032	(0.255)	0.029	0.003
202	16.83	0.10	0.032	(0.254)	0.029	0.003
203	16.92	0.10	0.032	(0.252)	0.029	0.003
204	17.00	0.10	0.032	(0.251)	0.029	0.003
205	17.08	0.17	0.054	(0.250)	0.049	0.005
206	17.17	0.17	0.054	(0.249)	0.049	0.005
207	17.25	0.17	0.054	(0.247)	0.049	0.005
208	17.33	0.17	0.054	(0.246)	0.049	0.005
209	17.42	0.17	0.054	(0.245)	0.049	0.005
210	17.50	0.17	0.054	(0.244)	0.049	0.005
211	17.58	0.17	0.054	(0.242)	0.049	0.005
212	17.67	0.17	0.054	(0.241)	0.049	0.005
213	17.75	0.17	0.054	(0.240)	0.049	0.005
214	17.83	0.13	0.043	(0.239)	0.039	0.004
215	17.92	0.13	0.043	(0.238)	0.039	0.004
216	18.00	0.13	0.043	(0.236)	0.039	0.004
217	18.08	0.13	0.043	(0.235)	0.039	0.004
218	18.17	0.13	0.043	(0.234)	0.039	0.004
219	18.25	0.13	0.043	(0.233)	0.039	0.004
220	18.33	0.13	0.043	(0.232)	0.039	0.004
221	18.42	0.13	0.043	(0.231)	0.039	0.004
222	18.50	0.13	0.043	(0.230)	0.039	0.004
223	18.58	0.10	0.032	(0.228)	0.029	0.003
224	18.67	0.10	0.032	(0.227)	0.029	0.003
225	18.75	0.10	0.032	(0.226)	0.029	0.003
226	18.83	0.07	0.022	(0.225)	0.019	0.002
227	18.92	0.07	0.022	(0.224)	0.019	0.002
228	19.00	0.07	0.022	(0.223)	0.019	0.002
229	19.08	0.10	0.032	(0.222)	0.029	0.003
230	19.17	0.10	0.032	(0.221)	0.029	0.003
231	19.25	0.10	0.032	(0.220)	0.029	0.003
232	19.33	0.13	0.043	(0.219)	0.039	0.004

233	19.42	0.13	0.043	(0.218)	0.039	0.004
234	19.50	0.13	0.043	(0.217)	0.039	0.004
235	19.58	0.10	0.032	(0.216)	0.029	0.003
236	19.67	0.10	0.032	(0.215)	0.029	0.003
237	19.75	0.10	0.032	(0.214)	0.029	0.003
238	19.83	0.07	0.022	(0.213)	0.019	0.002
239	19.92	0.07	0.022	(0.212)	0.019	0.002
240	20.00	0.07	0.022	(0.211)	0.019	0.002
241	20.08	0.10	0.032	(0.210)	0.029	0.003
242	20.17	0.10	0.032	(0.209)	0.029	0.003
243	20.25	0.10	0.032	(0.208)	0.029	0.003
244	20.33	0.10	0.032	(0.207)	0.029	0.003
245	20.42	0.10	0.032	(0.207)	0.029	0.003
246	20.50	0.10	0.032	(0.206)	0.029	0.003
247	20.58	0.10	0.032	(0.205)	0.029	0.003
248	20.67	0.10	0.032	(0.204)	0.029	0.003
249	20.75	0.10	0.032	(0.203)	0.029	0.003
250	20.83	0.07	0.022	(0.202)	0.019	0.002
251	20.92	0.07	0.022	(0.201)	0.019	0.002
252	21.00	0.07	0.022	(0.201)	0.019	0.002
253	21.08	0.10	0.032	(0.200)	0.029	0.003
254	21.17	0.10	0.032	(0.199)	0.029	0.003
255	21.25	0.10	0.032	(0.198)	0.029	0.003
256	21.33	0.07	0.022	(0.198)	0.019	0.002
257	21.42	0.07	0.022	(0.197)	0.019	0.002
258	21.50	0.07	0.022	(0.196)	0.019	0.002
259	21.58	0.10	0.032	(0.195)	0.029	0.003
260	21.67	0.10	0.032	(0.195)	0.029	0.003
261	21.75	0.10	0.032	(0.194)	0.029	0.003
262	21.83	0.07	0.022	(0.193)	0.019	0.002
263	21.92	0.07	0.022	(0.193)	0.019	0.002
264	22.00	0.07	0.022	(0.192)	0.019	0.002
265	22.08	0.10	0.032	(0.191)	0.029	0.003
266	22.17	0.10	0.032	(0.191)	0.029	0.003
267	22.25	0.10	0.032	(0.190)	0.029	0.003
268	22.33	0.07	0.022	(0.189)	0.019	0.002
269	22.42	0.07	0.022	(0.189)	0.019	0.002
270	22.50	0.07	0.022	(0.188)	0.019	0.002
271	22.58	0.07	0.022	(0.188)	0.019	0.002
272	22.67	0.07	0.022	(0.187)	0.019	0.002
273	22.75	0.07	0.022	(0.187)	0.019	0.002
274	22.83	0.07	0.022	(0.186)	0.019	0.002
275	22.92	0.07	0.022	(0.186)	0.019	0.002
276	23.00	0.07	0.022	(0.185)	0.019	0.002
277	23.08	0.07	0.022	(0.185)	0.019	0.002
278	23.17	0.07	0.022	(0.184)	0.019	0.002
279	23.25	0.07	0.022	(0.184)	0.019	0.002
280	23.33	0.07	0.022	(0.184)	0.019	0.002
281	23.42	0.07	0.022	(0.183)	0.019	0.002
282	23.50	0.07	0.022	(0.183)	0.019	0.002
283	23.58	0.07	0.022	(0.183)	0.019	0.002
284	23.67	0.07	0.022	(0.182)	0.019	0.002
285	23.75	0.07	0.022	(0.182)	0.019	0.002
286	23.83	0.07	0.022	(0.182)	0.019	0.002
287	23.92	0.07	0.022	(0.182)	0.019	0.002
288	24.00	0.07	0.022	(0.182)	0.019	0.002

(Loss Rate Not Used)

Sum = 100.0 Sum = 3.3

Flood volume = Effective rainfall 0.28(In)
times area 16.7(Ac.)/[(In)/(Ft.)] = 0.4(Ac.Ft)
Total soil loss = 2.42(In)
Total soil loss = 3.369(Ac.Ft)
Total rainfall = 2.70(In)
Flood volume = 16815.1 Cubic Feet
Total soil loss = 146758.2 Cubic Feet

Peak flow rate of this hydrograph = 0.882(CFS)

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.01	Q				
0+10	0.0002	0.02	Q				
0+15	0.0004	0.03	Q				
0+20	0.0006	0.03	Q				
0+25	0.0009	0.04	Q				
0+30	0.0013	0.05	Q				
0+35	0.0016	0.05	Q				
0+40	0.0020	0.05	Q				
0+45	0.0024	0.05	Q				
0+50	0.0028	0.06	Q				
0+55	0.0032	0.07	Q				
1+ 0	0.0037	0.07	Q				
1+ 5	0.0041	0.07	Q				
1+10	0.0046	0.06	Q				
1+15	0.0050	0.06	Q				
1+20	0.0053	0.06	Q				
1+25	0.0057	0.06	Q				
1+30	0.0061	0.06	Q				
1+35	0.0065	0.06	Q				
1+40	0.0069	0.05	Q				
1+45	0.0072	0.05	Q				
1+50	0.0076	0.06	Q				
1+55	0.0081	0.07	Q				
2+ 0	0.0086	0.07	Q				
2+ 5	0.0090	0.07	Q				
2+10	0.0095	0.07	Q				
2+15	0.0100	0.07	QV				
2+20	0.0105	0.07	QV				
2+25	0.0110	0.07	QV				
2+30	0.0115	0.07	QV				
2+35	0.0120	0.08	QV				
2+40	0.0126	0.08	QV				
2+45	0.0132	0.09	QV				
2+50	0.0138	0.09	QV				
2+55	0.0145	0.09	QV				
3+ 0	0.0151	0.09	QV				
3+ 5	0.0157	0.09	QV				
3+10	0.0163	0.09	QV				
3+15	0.0169	0.09	QV				
3+20	0.0176	0.09	QV				
3+25	0.0182	0.09	QV				
3+30	0.0188	0.09	QV				
3+35	0.0194	0.09	Q V				
3+40	0.0201	0.09	Q V				
3+45	0.0207	0.09	Q V				
3+50	0.0213	0.09	Q V				
3+55	0.0221	0.10	Q V				
4+ 0	0.0228	0.11	Q V				
4+ 5	0.0235	0.11	Q V				
4+10	0.0243	0.11	Q V				
4+15	0.0250	0.11	Q V				
4+20	0.0258	0.11	Q V				
4+25	0.0266	0.12	Q V				
4+30	0.0274	0.12	Q V				
4+35	0.0283	0.12	Q V				

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 4+40       0.0292      0.13  Q  V      |          |          |          |
 4+45       0.0300      0.13  Q  V      |          |          |          |
 4+50       0.0309      0.13  Q  V      |          |          |          |
 4+55       0.0319      0.14  Q  V      |          |          |          |
 5+ 0       0.0329      0.14  Q  V      |          |          |          |
 5+ 5       0.0338      0.14  Q  V      |          |          |          |
 5+10       0.0346      0.12  Q  V      |          |          |          |
 5+15       0.0354      0.12  Q  V      |          |          |          |
 5+20       0.0362      0.12  Q  V      |          |          |          |
 5+25       0.0371      0.12  Q  V      |          |          |          |
 5+30       0.0379      0.13  Q  V      |          |          |          |
 5+35       0.0388      0.13  Q   V     |          |          |          |
 5+40       0.0398      0.14  Q   V     |          |          |          |
 5+45       0.0408      0.14  Q   V     |          |          |          |
 5+50       0.0417      0.14  Q   V     |          |          |          |
 5+55       0.0427      0.14  Q   V     |          |          |          |
 6+ 0       0.0437      0.14  Q   V     |          |          |          |
 6+ 5       0.0447      0.15  Q   V     |          |          |          |
 6+10       0.0458      0.16  Q   V     |          |          |          |
 6+15       0.0469      0.16  Q   V     |          |          |          |
 6+20       0.0480      0.16  Q   V     |          |          |          |
 6+25       0.0491      0.16  Q    V    |          |          |          |
 6+30       0.0503      0.16  Q    V    |          |          |          |
 6+35       0.0514      0.17  Q    V    |          |          |          |
 6+40       0.0526      0.17  Q    V    |          |          |          |
 6+45       0.0538      0.18  Q    V    |          |          |          |
 6+50       0.0551      0.18  Q    V    |          |          |          |
 6+55       0.0563      0.18  Q    V    |          |          |          |
 7+ 0       0.0576      0.18  Q    V    |          |          |          |
 7+ 5       0.0588      0.18  Q     V   |          |          |          |
 7+10       0.0601      0.18  Q     V   |          |          |          |
 7+15       0.0613      0.18  Q     V   |          |          |          |
 7+20       0.0626      0.18  Q     V   |          |          |          |
 7+25       0.0639      0.19  Q     V   |          |          |          |
 7+30       0.0653      0.20  Q     V   |          |          |          |
 7+35       0.0666      0.20  Q     V   |          |          |          |
 7+40       0.0681      0.21  Q      V  |          |          |          |
 7+45       0.0696      0.21  Q      V  |          |          |          |
 7+50       0.0711      0.22  Q      V  |          |          |          |
 7+55       0.0726      0.23  Q      V  |          |          |          |
 8+ 0       0.0742      0.23  Q      V  |          |          |          |
 8+ 5       0.0759      0.24  Q      V  |          |          |          |
 8+10       0.0776      0.26  |Q      V |          |          |          |
 8+15       0.0795      0.26  |Q      V |          |          |          |
 8+20       0.0813      0.27  |Q      V |          |          |          |
 8+25       0.0832      0.27  |Q      V |          |          |          |
 8+30       0.0850      0.27  |Q      V |          |          |          |
 8+35       0.0869      0.27  |Q       V|          |          |          |
 8+40       0.0889      0.28  |Q       V|          |          |          |
 8+45       0.0908      0.29  |Q       V|          |          |          |
 8+50       0.0928      0.29  |Q       V|          |          |          |
 8+55       0.0949      0.30  |Q       V|          |          |          |
 9+ 0       0.0970      0.30  |Q        V          |          |          |
 9+ 5       0.0992      0.31  |Q        V          |          |          |
 9+10       0.1014      0.33  |Q        V          |          |          |
 9+15       0.1038      0.34  |Q        V          |          |          |
 9+20       0.1061      0.34  |Q        V          |          |          |
 9+25       0.1086      0.35  |Q        |V         |          |          |
 9+30       0.1110      0.36  |Q        |V         |          |          |
 9+35       0.1135      0.36  |Q        |V         |          |          |
 9+40       0.1161      0.37  |Q        | V        |          |          |
 9+45       0.1187      0.38  |Q        | V        |          |          |
 9+50       0.1213      0.38  |Q        | V        |          |          |
 9+55       0.1240      0.39  |Q        | V        |          |          |
10+ 0       0.1267      0.40  |Q        |  V       |          |          |
10+ 5       0.1293      0.38  |Q        |  V       |          |          |
10+10       0.1315      0.32  |Q        |  V       |          |          |
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10+15       0.1336      0.30  |Q        |  V       |          |          |
10+20       0.1356      0.29  |Q        |   V      |          |          |
10+25       0.1375      0.28  |Q        |   V      |          |          |
10+30       0.1394      0.28  |Q        |   V      |          |          |
10+35       0.1414      0.29  |Q        |   V      |          |          |
10+40       0.1437      0.33  |Q        |   V      |          |          |
10+45       0.1461      0.35  |Q        |    V     |          |          |
10+50       0.1485      0.35  |Q        |    V     |          |          |
10+55       0.1510      0.36  |Q        |    V     |          |          |
11+ 0       0.1534      0.36  |Q        |    V     |          |          |
11+ 5       0.1559      0.36  |Q        |     V    |          |          |
11+10       0.1583      0.35  |Q        |     V    |          |          |
11+15       0.1607      0.35  |Q        |     V    |          |          |
11+20       0.1631      0.35  |Q        |     V    |          |          |
11+25       0.1655      0.35  |Q        |      V   |          |          |
11+30       0.1679      0.35  |Q        |      V   |          |          |
11+35       0.1702      0.34  |Q        |      V   |          |          |
11+40       0.1724      0.32  |Q        |      V   |          |          |
11+45       0.1746      0.32  |Q        |       V  |          |          |
11+50       0.1768      0.32  |Q        |       V  |          |          |
11+55       0.1790      0.32  |Q        |       V  |          |          |
12+ 0       0.1813      0.33  |Q        |       V  |          |          |
12+ 5       0.1837      0.35  |Q        |        V |          |          |
12+10       0.1864      0.41  |Q        |        V |          |          |
12+15       0.1894      0.43  |Q        |        V |          |          |
12+20       0.1924      0.44  |Q        |        V |          |          |
12+25       0.1956      0.46  |Q        |         V|          |          |
12+30       0.1988      0.46  |Q        |         V|          |          |
12+35       0.2020      0.47  |Q        |         V|          |          |
12+40       0.2054      0.49  |Q        |          V          |          |
12+45       0.2088      0.50  | Q       |          V          |          |
12+50       0.2123      0.51  | Q       |          | V        |          |
12+55       0.2159      0.52  | Q       |          | V        |          |
13+ 0       0.2195      0.52  | Q       |          | V        |          |
13+ 5       0.2234      0.57  | Q       |          |  V       |          |
13+10       0.2282      0.70  | Q       |          |  V       |          |
13+15       0.2335      0.77  |  Q      |          |   V      |          |
13+20       0.2391      0.81  |  Q      |          |   V      |          |
13+25       0.2450      0.85  |  Q      |          |    V     |          |
13+30       0.2510      0.88  |  Q      |          |     V    |          |
13+35       0.2567      0.83  |  Q      |          |     V    |          |
13+40       0.2609      0.60  | Q       |          |      V   |          |
13+45       0.2644      0.51  | Q       |          |      V   |          |
13+50       0.2677      0.48  |Q        |          |      V   |          |
13+55       0.2708      0.46  |Q        |          |       V  |          |
14+ 0       0.2739      0.44  |Q        |          |       V  |          |
14+ 5       0.2769      0.44  |Q        |          |       V  |          |
14+10       0.2802      0.47  |Q        |          |        V |          |
14+15       0.2835      0.48  |Q        |          |        V |          |
14+20       0.2868      0.48  |Q        |          |        V |          |
14+25       0.2900      0.47  |Q        |          |         V          |
14+30       0.2933      0.47  |Q        |          |         V          |
14+35       0.2965      0.47  |Q        |          |         V          |
14+40       0.2998      0.47  |Q        |          |          V         |
14+45       0.3031      0.47  |Q        |          |          V         |
14+50       0.3063      0.47  |Q        |          |          V         |
14+55       0.3095      0.46  |Q        |          |          | V       |
15+ 0       0.3126      0.46  |Q        |          |          | V       |
15+ 5       0.3158      0.45  |Q        |          |          | V       |
15+10       0.3188      0.44  |Q        |          |          |  V      |
15+15       0.3218      0.44  |Q        |          |          |  V      |
15+20       0.3249      0.44  |Q        |          |          |  V      |
15+25       0.3278      0.43  |Q        |          |          |  V      |
15+30       0.3307      0.42  |Q        |          |          |   V     |
15+35       0.3335      0.41  |Q        |          |          |   V     |
15+40       0.3361      0.37  |Q        |          |          |   V     |
15+45       0.3386      0.36  |Q        |          |          |    V    |
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15+50       0.3410      0.35  |Q        |          |          |    V     |
15+55       0.3434      0.35  |Q        |          |          |    V     |
16+ 0       0.3459      0.35  |Q        |          |          |    V     |
16+ 5       0.3480      0.31  |Q        |          |          |     V    |
16+10       0.3492      0.18  Q         |          |          |     V    |
16+15       0.3501      0.13  Q         |          |          |     V    |
16+20       0.3508      0.11  Q         |          |          |     V    |
16+25       0.3514      0.09  Q         |          |          |     V    |
16+30       0.3520      0.09  Q         |          |          |     V    |
16+35       0.3526      0.08  Q         |          |          |     V    |
16+40       0.3530      0.07  Q         |          |          |     V    |
16+45       0.3534      0.06  Q         |          |          |     V    |
16+50       0.3538      0.06  Q         |          |          |     V    |
16+55       0.3542      0.06  Q         |          |          |     V    |
17+ 0       0.3546      0.06  Q         |          |          |     V    |
17+ 5       0.3550      0.06  Q         |          |          |     V    |
17+10       0.3555      0.08  Q         |          |          |     V    |
17+15       0.3561      0.08  Q         |          |          |     V    |
17+20       0.3567      0.09  Q         |          |          |     V    |
17+25       0.3573      0.09  Q         |          |          |      V   |
17+30       0.3579      0.09  Q         |          |          |      V   |
17+35       0.3585      0.09  Q         |          |          |      V   |
17+40       0.3592      0.09  Q         |          |          |      V   |
17+45       0.3598      0.09  Q         |          |          |      V   |
17+50       0.3604      0.09  Q         |          |          |      V   |
17+55       0.3609      0.08  Q         |          |          |      V   |
18+ 0       0.3615      0.08  Q         |          |          |      V   |
18+ 5       0.3620      0.07  Q         |          |          |      V   |
18+10       0.3625      0.07  Q         |          |          |      V   |
18+15       0.3630      0.07  Q         |          |          |      V   |
18+20       0.3635      0.07  Q         |          |          |      V   |
18+25       0.3640      0.07  Q         |          |          |      V   |
18+30       0.3645      0.07  Q         |          |          |      V   |
18+35       0.3650      0.07  Q         |          |          |      V   |
18+40       0.3654      0.06  Q         |          |          |      V   |
18+45       0.3658      0.06  Q         |          |          |      V   |
18+50       0.3662      0.05  Q         |          |          |      V   |
18+55       0.3665      0.04  Q         |          |          |      V   |
19+ 0       0.3668      0.04  Q         |          |          |       V  |
19+ 5       0.3671      0.04  Q         |          |          |       V  |
19+10       0.3674      0.05  Q         |          |          |       V  |
19+15       0.3678      0.05  Q         |          |          |       V  |
19+20       0.3681      0.06  Q         |          |          |       V  |
19+25       0.3686      0.06  Q         |          |          |       V  |
19+30       0.3691      0.07  Q         |          |          |       V  |
19+35       0.3695      0.07  Q         |          |          |       V  |
19+40       0.3699      0.06  Q         |          |          |       V  |
19+45       0.3703      0.06  Q         |          |          |       V  |
19+50       0.3707      0.05  Q         |          |          |       V  |
19+55       0.3710      0.04  Q         |          |          |       V  |
20+ 0       0.3713      0.04  Q         |          |          |       V  |
20+ 5       0.3716      0.04  Q         |          |          |       V  |
20+10       0.3719      0.05  Q         |          |          |       V  |
20+15       0.3723      0.05  Q         |          |          |       V  |
20+20       0.3726      0.05  Q         |          |          |       V  |
20+25       0.3730      0.05  Q         |          |          |       V  |
20+30       0.3734      0.05  Q         |          |          |       V  |
20+35       0.3737      0.05  Q         |          |          |       V  |
20+40       0.3741      0.05  Q         |          |          |       V  |
20+45       0.3745      0.05  Q         |          |          |       V  |
20+50       0.3748      0.05  Q         |          |          |       V  |
20+55       0.3751      0.04  Q         |          |          |       V  |
21+ 0       0.3754      0.04  Q         |          |          |       V  |
21+ 5       0.3757      0.04  Q         |          |          |       V  |
21+10       0.3760      0.05  Q         |          |          |       V  |
21+15       0.3764      0.05  Q         |          |          |        V |
21+20       0.3767      0.05  Q         |          |          |        V |
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21+25	0.3770	0.04	Q	|	|	|	V|
21+30	0.3773	0.04	Q	|	|	|	V|
21+35	0.3776	0.04	Q	|	|	|	V|
21+40	0.3779	0.05	Q	|	|	|	V|
21+45	0.3783	0.05	Q	|	|	|	V|
21+50	0.3786	0.05	Q	|	|	|	V|
21+55	0.3789	0.04	Q	|	|	|	V|
22+ 0	0.3792	0.04	Q	|	|	|	V|
22+ 5	0.3795	0.04	Q	|	|	|	V|
22+10	0.3798	0.05	Q	|	|	|	V|
22+15	0.3801	0.05	Q	|	|	|	V|
22+20	0.3805	0.05	Q	|	|	|	V|
22+25	0.3808	0.04	Q	|	|	|	V|
22+30	0.3811	0.04	Q	|	|	|	V|
22+35	0.3813	0.04	Q	|	|	|	V|
22+40	0.3816	0.04	Q	|	|	|	V|
22+45	0.3818	0.04	Q	|	|	|	V|
22+50	0.3821	0.04	Q	|	|	|	V|
22+55	0.3823	0.04	Q	|	|	|	V|
23+ 0	0.3826	0.04	Q	|	|	|	V|
23+ 5	0.3828	0.04	Q	|	|	|	V|
23+10	0.3831	0.04	Q	|	|	|	V|
23+15	0.3833	0.04	Q	|	|	|	V|
23+20	0.3836	0.04	Q	|	|	|	V|
23+25	0.3838	0.04	Q	|	|	|	V|
23+30	0.3841	0.04	Q	|	|	|	V|
23+35	0.3843	0.04	Q	|	|	|	V|
23+40	0.3846	0.04	Q	|	|	|	V|
23+45	0.3848	0.04	Q	|	|	|	V|
23+50	0.3851	0.04	Q	|	|	|	V|
23+55	0.3853	0.04	Q	|	|	|	V|
24+ 0	0.3856	0.04	Q	|	|	|	V|
24+ 5	0.3858	0.03	Q	|	|	|	V|
24+10	0.3859	0.01	Q	|	|	|	V|
24+15	0.3859	0.01	Q	|	|	|	V|
24+20	0.3860	0.00	Q	|	|	|	V|
24+25	0.3860	0.00	Q	|	|	|	V|
24+30	0.3860	0.00	Q	|	|	|	V|
24+35	0.3860	0.00	Q	|	|	|	V|
24+40	0.3860	0.00	Q	|	|	|	V|
24+45	0.3860	0.00	Q	|	|	|	V

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/24/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRF242.rte

**********HYDROGRAPH DATA**********

Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 4.682 (CFS)
Total volume = 2.845 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN F- ROUTING
2YR-24HRS

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.330	0.360	0.329	0.331
2.000	0.720	0.580	0.718	0.722
3.000	1.150	0.750	1.147	1.153
4.000	1.650	0.880	1.647	1.653
5.000	2.200	1.000	2.197	2.203
6.000	2.810	1.910	2.803	2.817
7.000	3.480	2.340	3.472	3.488
8.000	4.230	2.680	4.221	4.239
9.000	5.040	69.580	4.800	5.280

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.2	2.34	3.51	4.68	Depth (Ft.)
0.083	0.16	0.00	0.001	OI	|	|	|	|	0.00

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0.167    0.26    0.00      0.002  OI      |       |       |       |     0.01
0.250    0.28    0.00      0.004  OI      |       |       |       |     0.01
0.333    0.35    0.01      0.006  O I     |       |       |       |     0.02
0.417    0.40    0.01      0.008  O I     |       |       |       |     0.03
0.500    0.41    0.01      0.011  O I     |       |       |       |     0.03
0.583    0.41    0.02      0.014  O I     |       |       |       |     0.04
0.667    0.41    0.02      0.017  O I     |       |       |       |     0.05
0.750    0.41    0.02      0.019  O I     |       |       |       |     0.06
0.833    0.49    0.02      0.022  O  I    |       |       |       |     0.07
0.917    0.54    0.03      0.026  O  I    |       |       |       |     0.08
1.000    0.55    0.03      0.029  O  I    |       |       |       |     0.09
1.083    0.47    0.04      0.033  O  I    |       |       |       |     0.10
1.167    0.42    0.04      0.035  O I     |       |       |       |     0.11
1.250    0.41    0.04      0.038  O I     |       |       |       |     0.12
1.333    0.41    0.04      0.041  O I     |       |       |       |     0.12
1.417    0.41    0.05      0.043  O I     |       |       |       |     0.13
1.500    0.41    0.05      0.046  O I     |       |       |       |     0.14
1.583    0.41    0.05      0.048  O I     |       |       |       |     0.15
1.667    0.41    0.06      0.051  O I     |       |       |       |     0.15
1.750    0.41    0.06      0.053  O I     |       |       |       |     0.16
1.833    0.49    0.06      0.056  O  I    |       |       |       |     0.17
1.917    0.54    0.06      0.059  O  I    |       |       |       |     0.18
2.000    0.55    0.07      0.062  O  I    |       |       |       |     0.19
2.083    0.55    0.07      0.065  O  I    |       |       |       |     0.20
2.167    0.55    0.08      0.069  O  I    |       |       |       |     0.21
2.250    0.55    0.08      0.072  O  I    |       |       |       |     0.22
2.333    0.55    0.08      0.075  O  I    |       |       |       |     0.23
2.417    0.55    0.09      0.078  O  I    |       |       |       |     0.24
2.500    0.55    0.09      0.082  O  I    |       |       |       |     0.25
2.583    0.63    0.09      0.085  O   I   |       |       |       |     0.26
2.667    0.68    0.10      0.089  O   I   |       |       |       |     0.27
2.750    0.69    0.10      0.093  O   I   |       |       |       |     0.28
2.833    0.69    0.11      0.097  O   I   |       |       |       |     0.29
2.917    0.69    0.11      0.101  O   I   |       |       |       |     0.31
3.000    0.69    0.11      0.105  O   I   |       |       |       |     0.32
3.083    0.69    0.12      0.109  O   I   |       |       |       |     0.33
3.167    0.69    0.12      0.113  O   I   |       |       |       |     0.34
3.250    0.69    0.13      0.117  O   I   |       |       |       |     0.35
3.333    0.69    0.13      0.121  O   I   |       |       |       |     0.37
3.417    0.69    0.14      0.124  O   I   |       |       |       |     0.38
3.500    0.69    0.14      0.128  O   I   |       |       |       |     0.39
3.583    0.69    0.14      0.132  O   I   |       |       |       |     0.40
3.667    0.69    0.15      0.136  |O  I   |       |       |       |     0.41
3.750    0.69    0.15      0.139  |O  I   |       |       |       |     0.42
3.833    0.77    0.16      0.143  |O   I  |       |       |       |     0.43
3.917    0.82    0.16      0.148  |O   I  |       |       |       |     0.45
4.000    0.83    0.17      0.152  |O   I  |       |       |       |     0.46
4.083    0.83    0.17      0.157  |O   I  |       |       |       |     0.48
4.167    0.83    0.18      0.161  |O   I  |       |       |       |     0.49
4.250    0.83    0.18      0.166  |O   I  |       |       |       |     0.50
4.333    0.90    0.19      0.170  |O    I |       |       |       |     0.52
4.417    0.96    0.19      0.176  |O    I |       |       |       |     0.53
4.500    0.96    0.20      0.181  |O    I |       |       |       |     0.55
4.583    0.96    0.20      0.186  |O    I |       |       |       |     0.56
4.667    0.96    0.21      0.191  |O    I |       |       |       |     0.58
4.750    0.96    0.21      0.196  |O    I |       |       |       |     0.60
4.833    1.04    0.22      0.202  |O     I|       |       |       |     0.61
4.917    1.09    0.23      0.208  |O     I|       |       |       |     0.63
5.000    1.10    0.23      0.214  |O     I|       |       |       |     0.65
5.083    0.94    0.24      0.219  |O    I |       |       |       |     0.66
5.167    0.84    0.24      0.224  |O   I  |       |       |       |     0.68
5.250    0.83    0.25      0.228  |O   I  |       |       |       |     0.69
5.333    0.90    0.25      0.232  |O    I |       |       |       |     0.70
5.417    0.96    0.26      0.237  |O    I |       |       |       |     0.72
5.500    0.96    0.26      0.241  |O    I |       |       |       |     0.73
5.583    1.04    0.27      0.246  |O     I|       |       |       |     0.75
5.667    1.09    0.27      0.252  |O     I|       |       |       |     0.76
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5.750	1.10	0.28	0.258	O	I				0.78
5.833	1.10	0.29	0.263	O	I				0.80
5.917	1.10	0.29	0.269	O	I				0.81
6.000	1.10	0.30	0.274	O	I				0.83
6.083	1.18	0.31	0.280	O	I				0.85
6.167	1.23	0.31	0.286	O	I				0.87
6.250	1.24	0.32	0.293	O	I				0.89
6.333	1.24	0.33	0.299	O	I				0.91
6.417	1.24	0.33	0.305	O	I				0.92
6.500	1.24	0.34	0.311	O	I				0.94
6.583	1.32	0.35	0.318	O	I				0.96
6.667	1.37	0.35	0.325	O	I				0.98
6.750	1.38	0.36	0.332	O	I				1.00
6.833	1.38	0.36	0.339	O	I				1.02
6.917	1.38	0.37	0.346	O	I				1.04
7.000	1.38	0.37	0.353	O	I				1.06
7.083	1.38	0.38	0.359	O	I				1.08
7.167	1.38	0.38	0.366	O	I				1.09
7.250	1.38	0.38	0.373	O	I				1.11
7.333	1.46	0.39	0.380	O	I				1.13
7.417	1.51	0.39	0.388	O	I				1.15
7.500	1.51	0.40	0.395	O	I				1.17
7.583	1.59	0.40	0.403	O	I				1.19
7.667	1.64	0.41	0.412	O	I				1.21
7.750	1.65	0.41	0.420	O	I				1.23
7.833	1.73	0.42	0.429	O	I				1.25
7.917	1.78	0.42	0.438	O	I				1.28
8.000	1.79	0.43	0.448	O	I				1.30
8.083	1.95	0.43	0.458	O	I				1.33
8.167	2.05	0.44	0.468	O	I				1.35
8.250	2.07	0.44	0.479	O	I				1.38
8.333	2.07	0.45	0.491	O	I				1.41
8.417	2.07	0.46	0.502	O	I				1.44
8.500	2.07	0.46	0.513	O	I				1.47
8.583	2.14	0.47	0.524	O	I				1.50
8.667	2.19	0.48	0.536	O	I				1.53
8.750	2.20	0.48	0.548	O	I				1.56
8.833	2.28	0.49	0.560	O	I				1.59
8.917	2.33	0.50	0.572	O	I				1.62
9.000	2.34	0.50	0.585	O	I				1.65
9.083	2.50	0.51	0.598	O	I				1.69
9.167	2.60	0.52	0.612	O	I				1.72
9.250	2.62	0.53	0.626	O	I				1.76
9.333	2.69	0.54	0.641	O	I				1.80
9.417	2.75	0.54	0.656	O	I				1.84
9.500	2.75	0.55	0.671	O	I				1.87
9.583	2.83	0.56	0.687	O	I				1.91
9.667	2.88	0.57	0.702	O	I				1.95
9.750	2.89	0.58	0.718	O	I				2.00
9.833	2.97	0.59	0.734	O	I				2.03
9.917	3.02	0.59	0.751	O	I				2.07
10.000	3.03	0.60	0.768	O	I				2.11
10.083	2.48	0.60	0.783	O	I				2.15
10.167	2.12	0.61	0.794	O	I				2.17
10.250	2.07	0.61	0.804	O	I				2.20
10.333	2.07	0.62	0.814	O	I				2.22
10.417	2.07	0.62	0.824	O	I				2.24
10.500	2.07	0.63	0.834	O	I				2.27
10.583	2.46	0.63	0.846	O	I				2.29
10.667	2.71	0.63	0.859	O	I				2.32
10.750	2.75	0.64	0.873	O	I				2.36
10.833	2.75	0.65	0.888	O	I				2.39
10.917	2.75	0.65	0.903	O	I				2.42
11.000	2.75	0.66	0.917	O	I				2.46
11.083	2.68	0.66	0.931	O	I				2.49
11.167	2.62	0.67	0.945	O	I				2.52
11.250	2.62	0.67	0.958	O	I				2.55

11.333	2.62	0.68	0.972	O	I				2.58
11.417	2.62	0.68	0.985	O	I				2.62
11.500	2.62	0.69	0.998	O	I				2.65
11.583	2.46	0.69	1.011	O	I				2.68
11.667	2.36	0.70	1.023	O	I				2.70
11.750	2.34	0.70	1.034	O	I				2.73
11.833	2.42	0.71	1.046	O	I				2.76
11.917	2.47	0.71	1.057	O	I				2.78
12.000	2.48	0.72	1.070	O	I				2.81
12.083	3.03	0.72	1.084	O	I				2.85
12.167	3.38	0.73	1.101	O	I				2.89
12.250	3.44	0.74	1.119	O	I				2.93
12.333	3.52	0.75	1.138	O	I				2.97
12.417	3.57	0.75	1.157	O	I				3.01
12.500	3.58	0.76	1.177	O	I				3.05
12.583	3.74	0.76	1.197	O	I				3.09
12.667	3.84	0.77	1.217	O	I				3.13
12.750	3.86	0.77	1.239	O	I				3.18
12.833	3.93	0.78	1.260	O	I				3.22
12.917	3.98	0.78	1.282	O	I				3.26
13.000	3.99	0.79	1.304	O	I				3.31
13.083	4.39	0.80	1.327	O	I				3.35
13.167	4.64	0.80	1.353	O	I				3.41
13.250	4.68	0.81	1.380	O	I				3.46
13.333	4.68	0.82	1.406	O	I				3.51
13.417	4.68	0.82	1.433	O	I				3.57
13.500	4.68	0.83	1.459	O	I				3.62
13.583	3.82	0.84	1.483	O	I				3.67
13.667	3.26	0.84	1.501	O	I				3.70
13.750	3.17	0.85	1.518	O	I				3.74
13.833	3.17	0.85	1.534	O	I				3.77
13.917	3.17	0.85	1.550	O	I				3.80
14.000	3.17	0.86	1.566	O	I				3.83
14.083	3.48	0.86	1.583	O	I				3.87
14.167	3.68	0.87	1.601	O	I				3.90
14.250	3.72	0.87	1.621	O	I				3.94
14.333	3.64	0.88	1.640	O	I				3.98
14.417	3.59	0.88	1.659	O	I				4.02
14.500	3.58	0.89	1.678	O	I				4.05
14.583	3.58	0.89	1.696	O	I				4.08
14.667	3.58	0.89	1.715	O	I				4.12
14.750	3.58	0.90	1.733	O	I				4.15
14.833	3.50	0.90	1.751	O	I				4.18
14.917	3.45	0.91	1.769	O	I				4.22
15.000	3.44	0.91	1.786	O	I				4.25
15.083	3.36	0.91	1.804	O	I				4.28
15.167	3.31	0.92	1.820	O	I				4.31
15.250	3.30	0.92	1.837	O	I				4.34
15.333	3.23	0.92	1.853	O	I				4.37
15.417	3.18	0.93	1.869	O	I				4.40
15.500	3.17	0.93	1.884	O	I				4.43
15.583	2.85	0.93	1.898	O	I				4.45
15.667	2.65	0.94	1.911	O	I				4.47
15.750	2.62	0.94	1.922	O	I				4.50
15.833	2.62	0.94	1.934	O	I				4.52
15.917	2.62	0.94	1.946	O	I				4.54
16.000	2.62	0.95	1.957	O	I				4.56
16.083	1.44	**0.95**	**1.964**	**O**	**I**				**4.57**
16.167	0.68	0.95	1.965	I O					4.57
16.250	0.55	0.95	1.963	I O					4.57
16.333	0.55	0.95	1.960	I O					4.56
16.417	0.55	0.95	1.957	I O					4.56
16.500	0.55	0.95	1.955	I O					4.55
16.583	0.47	0.95	1.952	I O					4.55
16.667	0.42	0.95	1.948	I O					4.54
16.750	0.41	0.94	1.945	I O					4.54
16.833	0.41	0.94	1.941	I O					4.53

16.917	0.41	0.94	1.937	I O				4.52
17.000	0.41	0.94	1.934	I O				4.52
17.083	0.57	0.94	1.931	I O				4.51
17.167	0.67	0.94	1.928	I O				4.51
17.250	0.69	0.94	1.927	I O				4.50
17.333	0.69	0.94	1.925	I O				4.50
17.417	0.69	0.94	1.923	I O				4.50
17.500	0.69	0.94	1.921	I O				4.49
17.583	0.69	0.94	1.920	I O				4.49
17.667	0.69	0.94	1.918	I O				4.49
17.750	0.69	0.94	1.916	I O				4.48
17.833	0.61	0.94	1.914	I O				4.48
17.917	0.56	0.94	1.912	I O				4.48
18.000	0.55	0.94	1.909	I O				4.47
18.083	0.55	0.94	1.907	I O				4.47
18.167	0.55	0.94	1.904	I O				4.46
18.250	0.55	0.93	1.901	I O				4.46
18.333	0.55	0.93	1.899	I O				4.45
18.417	0.55	0.93	1.896	I O				4.45
18.500	0.55	0.93	1.893	I O				4.44
18.583	0.47	0.93	1.890	I O				4.44
18.667	0.42	0.93	1.887	I O				4.43
18.750	0.41	0.93	1.884	I O				4.42
18.833	0.33	0.93	1.880	I O				4.42
18.917	0.28	0.93	1.875	I O				4.41
19.000	0.28	0.93	1.871	I O				4.40
19.083	0.35	0.93	1.867	I O				4.39
19.167	0.40	0.93	1.863	I O				4.39
19.250	0.41	0.93	1.859	I O				4.38
19.333	0.49	0.92	1.856	I O				4.37
19.417	0.54	0.92	1.853	I O				4.37
19.500	0.55	0.92	1.851	I O				4.36
19.583	0.47	0.92	1.848	I O				4.36
19.667	0.42	0.92	1.845	I O				4.35
19.750	0.41	0.92	1.841	I O				4.35
19.833	0.33	0.92	1.837	I O				4.34
19.917	0.28	0.92	1.833	I O				4.33
20.000	0.28	0.92	1.829	I O				4.33
20.083	0.35	0.92	1.825	I O				4.32
20.167	0.40	0.92	1.821	I O				4.31
20.250	0.41	0.92	1.817	I O				4.30
20.333	0.41	0.92	1.814	I O				4.30
20.417	0.41	0.92	1.810	I O				4.29
20.500	0.41	0.91	1.807	I O				4.29
20.583	0.41	0.91	1.804	I O				4.28
20.667	0.41	0.91	1.800	I O				4.27
20.750	0.41	0.91	1.797	I O				4.27
20.833	0.33	0.91	1.793	I O				4.26
20.917	0.28	0.91	1.789	I O				4.25
21.000	0.28	0.91	1.784	I O				4.24
21.083	0.35	0.91	1.780	I O				4.24
21.167	0.40	0.91	1.777	I O				4.23
21.250	0.41	0.91	1.773	I O				4.22
21.333	0.33	0.91	1.770	I O				4.22
21.417	0.28	0.91	1.766	I O				4.21
21.500	0.28	0.90	1.761	I O				4.20
21.583	0.35	0.90	1.757	I O				4.19
21.667	0.40	0.90	1.754	I O				4.19
21.750	0.41	0.90	1.750	I O				4.18
21.833	0.33	0.90	1.747	I O				4.18
21.917	0.28	0.90	1.742	I O				4.17
22.000	0.28	0.90	1.738	I O				4.16
22.083	0.35	0.90	1.734	I O				4.15
22.167	0.40	0.90	1.731	I O				4.15
22.250	0.41	0.90	1.727	I O				4.14
22.333	0.33	0.90	1.724	I O				4.13
22.417	0.28	0.90	1.720	I O				4.13

22.500	0.28	0.89	1.715	I	O			4.12
22.583	0.28	0.89	1.711	I	O			4.11
22.667	0.28	0.89	1.707	I	O			4.10
22.750	0.28	0.89	1.703	I	O			4.10
22.833	0.28	0.89	1.698	I	O			4.09
22.917	0.28	0.89	1.694	I	O			4.08
23.000	0.28	0.89	1.690	I	O			4.07
23.083	0.28	0.89	1.686	I	O			4.06
23.167	0.28	0.89	1.681	I	O			4.06
23.250	0.28	0.89	1.677	I	O			4.05
23.333	0.28	0.89	1.673	I	O			4.04
23.417	0.28	0.88	1.669	I	O			4.03
23.500	0.28	0.88	1.665	I	O			4.03
23.583	0.28	0.88	1.661	I	O			4.02
23.667	0.28	0.88	1.656	I	O			4.01
23.750	0.28	0.88	1.652	I	O			4.00
23.833	0.28	0.88	1.648	I	O			4.00
23.917	0.28	0.88	1.644	I	O			3.99
24.000	0.28	0.88	1.640	I	O			3.98
24.083	0.12	0.88	1.635	I	O			3.97
24.167	0.02	0.87	1.629	I	O			3.96
24.250	0.00	0.87	1.623	I	O			3.95
24.333	0.00	0.87	1.617	I	O			3.93
24.417	0.00	0.87	1.611	I	O			3.92
24.500	0.00	0.87	1.605	I	O			3.91
24.583	0.00	0.87	1.600	I	O			3.90
24.667	0.00	0.87	1.594	I	O			3.89
24.750	0.00	0.86	1.588	I	O			3.88
24.833	0.00	0.86	1.582	I	O			3.86
24.917	0.00	0.86	1.576	I	O			3.85
25.000	0.00	0.86	1.570	I	O			3.84
25.083	0.00	0.86	1.564	I	O			3.83
25.167	0.00	0.86	1.558	I	O			3.82
25.250	0.00	0.85	1.552	I	O			3.80
25.333	0.00	0.85	1.546	I	O			3.79
25.417	0.00	0.85	1.540	I	O			3.78
25.500	0.00	0.85	1.534	I	O			3.77
25.583	0.00	0.85	1.529	I	O			3.76
25.667	0.00	0.85	1.523	I	O			3.75
25.750	0.00	0.85	1.517	I	O			3.73
25.833	0.00	0.84	1.511	I	O			3.72
25.917	0.00	0.84	1.505	I	O			3.71
26.000	0.00	0.84	1.500	I	O			3.70
26.083	0.00	0.84	1.494	I	O			3.69
26.167	0.00	0.84	1.488	I	O			3.68
26.250	0.00	0.84	1.482	I	O			3.66
26.333	0.00	0.83	1.476	I	O			3.65
26.417	0.00	0.83	1.471	I	O			3.64
26.500	0.00	0.83	1.465	I	O			3.63
26.583	0.00	0.83	1.459	I	O			3.62
26.667	0.00	0.83	1.454	I	O			3.61
26.750	0.00	0.83	1.448	I	O			3.60
26.833	0.00	0.83	1.442	I	O			3.58
26.917	0.00	0.82	1.436	I	O			3.57
27.000	0.00	0.82	1.431	I	O			3.56
27.083	0.00	0.82	1.425	I	O			3.55
27.167	0.00	0.82	1.419	I	O			3.54
27.250	0.00	0.82	1.414	I	O			3.53
27.333	0.00	0.82	1.408	I	O			3.52
27.417	0.00	0.82	1.403	I	O			3.51
27.500	0.00	0.81	1.397	I	O			3.49
27.583	0.00	0.81	1.391	I	O			3.48
27.667	0.00	0.81	1.386	I	O			3.47
27.750	0.00	0.81	1.380	I	O			3.46
27.833	0.00	0.81	1.375	I	O			3.45
27.917	0.00	0.81	1.369	I	O			3.44
28.000	0.00	0.81	1.364	I	O			3.43

28.083	0.00	0.80	1.358	I	O	|	|	|	|	3.42
28.167	0.00	0.80	1.352	I	O	|	|	|	|	3.40
28.250	0.00	0.80	1.347	I	O	|	|	|	|	3.39
28.333	0.00	0.80	1.341	I	O	|	|	|	|	3.38
28.417	0.00	0.80	1.336	I	O	|	|	|	|	3.37
28.500	0.00	0.80	1.330	I	O	|	|	|	|	3.36
28.583	0.00	0.80	1.325	I	O	|	|	|	|	3.35
28.667	0.00	0.79	1.319	I	O	|	|	|	|	3.34
28.750	0.00	0.79	1.314	I	O	|	|	|	|	3.33
28.833	0.00	0.79	1.309	I	O	|	|	|	|	3.32
28.917	0.00	0.79	1.303	I	O	|	|	|	|	3.31
29.000	0.00	0.79	1.298	I	O	|	|	|	|	3.30
29.083	0.00	0.79	1.292	I	O	|	|	|	|	3.28
29.167	0.00	0.79	1.287	I	O	|	|	|	|	3.27
29.250	0.00	0.78	1.281	I	O	|	|	|	|	3.26
29.333	0.00	0.78	1.276	I	O	|	|	|	|	3.25
29.417	0.00	0.78	1.271	I	O	|	|	|	|	3.24
29.500	0.00	0.78	1.265	I	O	|	|	|	|	3.23
29.583	0.00	0.78	1.260	I	O	|	|	|	|	3.22
29.667	0.00	0.78	1.255	I	O	|	|	|	|	3.21
29.750	0.00	0.78	1.249	I	O	|	|	|	|	3.20
29.833	0.00	0.77	1.244	I	O	|	|	|	|	3.19
29.917	0.00	0.77	1.239	I	O	|	|	|	|	3.18
30.000	0.00	0.77	1.233	I	O	|	|	|	|	3.17
30.083	0.00	0.77	1.228	I	O	|	|	|	|	3.16
30.167	0.00	0.77	1.223	I	O	|	|	|	|	3.15
30.250	0.00	0.77	1.217	I	O	|	|	|	|	3.13
30.333	0.00	0.77	1.212	I	O	|	|	|	|	3.12
30.417	0.00	0.76	1.207	I	O	|	|	|	|	3.11
30.500	0.00	0.76	1.201	I	O	|	|	|	|	3.10
30.583	0.00	0.76	1.196	I	O	|	|	|	|	3.09
30.667	0.00	0.76	1.191	I	O	|	|	|	|	3.08
30.750	0.00	0.76	1.186	I	O	|	|	|	|	3.07
30.833	0.00	0.76	1.181	I	O	|	|	|	|	3.06
30.917	0.00	0.76	1.175	I	O	|	|	|	|	3.05
31.000	0.00	0.76	1.170	I	O	|	|	|	|	3.04
31.083	0.00	0.75	1.165	I	O	|	|	|	|	3.03
31.167	0.00	0.75	1.160	I	O	|	|	|	|	3.02
31.250	0.00	0.75	1.155	I	O	|	|	|	|	3.01
31.333	0.00	0.75	1.149	I	O	|	|	|	|	3.00
31.417	0.00	0.75	1.144	I	O	|	|	|	|	2.99
31.500	0.00	0.75	1.139	I	O	|	|	|	|	2.97
31.583	0.00	0.74	1.134	I	O	|	|	|	|	2.96
31.667	0.00	0.74	1.129	I	O	|	|	|	|	2.95
31.750	0.00	0.74	1.124	I	O	|	|	|	|	2.94
31.833	0.00	0.74	1.119	I	O	|	|	|	|	2.93
31.917	0.00	0.74	1.114	I	O	|	|	|	|	2.92
32.000	0.00	0.73	1.108	I	O	|	|	|	|	2.90
32.083	0.00	0.73	1.103	I	O	|	|	|	|	2.89
32.167	0.00	0.73	1.098	I	O	|	|	|	|	2.88
32.250	0.00	0.73	1.093	I	O	|	|	|	|	2.87
32.333	0.00	0.73	1.088	I	O	|	|	|	|	2.86
32.417	0.00	0.72	1.083	I	O	|	|	|	|	2.85
32.500	0.00	0.72	1.078	I	O	|	|	|	|	2.83
32.583	0.00	0.72	1.073	I	O	|	|	|	|	2.82
32.667	0.00	0.72	1.069	I	O	|	|	|	|	2.81
32.750	0.00	0.72	1.064	I	O	|	|	|	|	2.80
32.833	0.00	0.71	1.059	I	O	|	|	|	|	2.79
32.917	0.00	0.71	1.054	I	O	|	|	|	|	2.78
33.000	0.00	0.71	1.049	I	O	|	|	|	|	2.76
33.083	0.00	0.71	1.044	I	O	|	|	|	|	2.75
33.167	0.00	0.71	1.039	I	O	|	|	|	|	2.74
33.250	0.00	0.70	1.034	I	O	|	|	|	|	2.73
33.333	0.00	0.70	1.029	I	O	|	|	|	|	2.72
33.417	0.00	0.70	1.025	I	O	|	|	|	|	2.71
33.500	0.00	0.70	1.020	I	O	|	|	|	|	2.70
33.583	0.00	0.70	1.015	I	O	|	|	|	|	2.69

33.667	0.00	0.69	1.010	I	O	|	|	|	|	2.67
33.750	0.00	0.69	1.005	I	O	|	|	|	|	2.66
33.833	0.00	0.69	1.001	I	O	|	|	|	|	2.65
33.917	0.00	0.69	0.996	I	O	|	|	|	|	2.64
34.000	0.00	0.69	0.991	I	O	|	|	|	|	2.63
34.083	0.00	0.69	0.986	I	O	|	|	|	|	2.62
34.167	0.00	0.68	0.982	I	O	|	|	|	|	2.61
34.250	0.00	0.68	0.977	I	O	|	|	|	|	2.60
34.333	0.00	0.68	0.972	I	O	|	|	|	|	2.59
34.417	0.00	0.68	0.968	I	O	|	|	|	|	2.58
34.500	0.00	0.68	0.963	I	O	|	|	|	|	2.57
34.583	0.00	0.67	0.958	I	O	|	|	|	|	2.55
34.667	0.00	0.67	0.954	I	O	|	|	|	|	2.54
34.750	0.00	0.67	0.949	I	O	|	|	|	|	2.53
34.833	0.00	0.67	0.944	I	O	|	|	|	|	2.52
34.917	0.00	0.67	0.940	I	O	|	|	|	|	2.51
35.000	0.00	0.67	0.935	I	O	|	|	|	|	2.50
35.083	0.00	0.66	0.931	I	O	|	|	|	|	2.49
35.167	0.00	0.66	0.926	I	O	|	|	|	|	2.48
35.250	0.00	0.66	0.922	I	O	|	|	|	|	2.47
35.333	0.00	0.66	0.917	I	O	|	|	|	|	2.46
35.417	0.00	0.66	0.912	I	O	|	|	|	|	2.45
35.500	0.00	0.65	0.908	I	O	|	|	|	|	2.44
35.583	0.00	0.65	0.903	I	O	|	|	|	|	2.43
35.667	0.00	0.65	0.899	I	O	|	|	|	|	2.42
35.750	0.00	0.65	0.895	I	O	|	|	|	|	2.41
35.833	0.00	0.65	0.890	I	O	|	|	|	|	2.40
35.917	0.00	0.65	0.886	I	O	|	|	|	|	2.39
36.000	0.00	0.64	0.881	I	O	|	|	|	|	2.37
36.083	0.00	0.64	0.877	I	O	|	|	|	|	2.36
36.167	0.00	0.64	0.872	I	O	|	|	|	|	2.35
36.250	0.00	0.64	0.868	I	O	|	|	|	|	2.34
36.333	0.00	0.64	0.864	I	O	|	|	|	|	2.33
36.417	0.00	0.64	0.859	I	O	|	|	|	|	2.32
36.500	0.00	0.63	0.855	I	O	|	|	|	|	2.31
36.583	0.00	0.63	0.850	I	O	|	|	|	|	2.30
36.667	0.00	0.63	0.846	I	O	|	|	|	|	2.29
36.750	0.00	0.63	0.842	I	O	|	|	|	|	2.28
36.833	0.00	0.63	0.837	I	O	|	|	|	|	2.27
36.917	0.00	0.62	0.833	I	O	|	|	|	|	2.26
37.000	0.00	0.62	0.829	I	O	|	|	|	|	2.25
37.083	0.00	0.62	0.825	I	O	|	|	|	|	2.24
37.167	0.00	0.62	0.820	I	O	|	|	|	|	2.23
37.250	0.00	0.62	0.816	I	O	|	|	|	|	2.22
37.333	0.00	0.62	0.812	I	O	|	|	|	|	2.21
37.417	0.00	0.61	0.808	I	O	|	|	|	|	2.20
37.500	0.00	0.61	0.803	I	O	|	|	|	|	2.19
37.583	0.00	0.61	0.799	I	O	|	|	|	|	2.18
37.667	0.00	0.61	0.795	I	O	|	|	|	|	2.17
37.750	0.00	0.61	0.791	I	O	|	|	|	|	2.16
37.833	0.00	0.61	0.786	I	O	|	|	|	|	2.15
37.917	0.00	0.60	0.782	I	O	|	|	|	|	2.14
38.000	0.00	0.60	0.778	I	O	|	|	|	|	2.14
38.083	0.00	0.60	0.774	I	O	|	|	|	|	2.13
38.167	0.00	0.60	0.770	I	O	|	|	|	|	2.12
38.250	0.00	0.60	0.766	I	O	|	|	|	|	2.11
38.333	0.00	0.60	0.762	I	O	|	|	|	|	2.10
38.417	0.00	0.59	0.758	I	O	|	|	|	|	2.09
38.500	0.00	0.59	0.753	I	O	|	|	|	|	2.08
38.583	0.00	0.59	0.749	I	O	|	|	|	|	2.07
38.667	0.00	0.59	0.745	I	O	|	|	|	|	2.06
38.750	0.00	0.59	0.741	I	O	|	|	|	|	2.05
38.833	0.00	0.59	0.737	I	O	|	|	|	|	2.04
38.917	0.00	0.59	0.733	I	O	|	|	|	|	2.03
39.000	0.00	0.58	0.729	I	O	|	|	|	|	2.02
39.083	0.00	0.58	0.725	I	O	|	|	|	|	2.01
39.167	0.00	0.58	0.721	I	O	|	|	|	|	2.00

39.250	0.00	0.58	0.717	I	O	|	|	|	|	1.99
39.333	0.00	0.58	0.713	I	O	|	|	|	|	1.98
39.417	0.00	0.57	0.709	I	O	|	|	|	|	1.97
39.500	0.00	0.57	0.705	I	O	|	|	|	|	1.96
39.583	0.00	0.57	0.701	I	O	|	|	|	|	1.95
39.667	0.00	0.57	0.697	I	O	|	|	|	|	1.94
39.750	0.00	0.57	0.694	I	O	|	|	|	|	1.93
39.833	0.00	0.56	0.690	I	O	|	|	|	|	1.92
39.917	0.00	0.56	0.686	I	O	|	|	|	|	1.91
40.000	0.00	0.56	0.682	I	O	|	|	|	|	1.90
40.083	0.00	0.56	0.678	I	O	|	|	|	|	1.89
40.167	0.00	0.55	0.674	I	O	|	|	|	|	1.88
40.250	0.00	0.55	0.670	I	O	|	|	|	|	1.87
40.333	0.00	0.55	0.667	I	O	|	|	|	|	1.86
40.417	0.00	0.55	0.663	I	O	|	|	|	|	1.85
40.500	0.00	0.55	0.659	I	O	|	|	|	|	1.84
40.583	0.00	0.54	0.655	I	O	|	|	|	|	1.83
40.667	0.00	0.54	0.652	I	O	|	|	|	|	1.82
40.750	0.00	0.54	0.648	I	O	|	|	|	|	1.82
40.833	0.00	0.54	0.644	I	O	|	|	|	|	1.81
40.917	0.00	0.54	0.640	I	O	|	|	|	|	1.80
41.000	0.00	0.53	0.637	I	O	|	|	|	|	1.79
41.083	0.00	0.53	0.633	I	O	|	|	|	|	1.78
41.167	0.00	0.53	0.629	I	O	|	|	|	|	1.77
41.250	0.00	0.53	0.626	I	O	|	|	|	|	1.76
41.333	0.00	0.52	0.622	I	O	|	|	|	|	1.75
41.417	0.00	0.52	0.619	I	O	|	|	|	|	1.74
41.500	0.00	0.52	0.615	I	O	|	|	|	|	1.73
41.583	0.00	0.52	0.611	I	O	|	|	|	|	1.72
41.667	0.00	0.52	0.608	I	O	|	|	|	|	1.71
41.750	0.00	0.51	0.604	I	O	|	|	|	|	1.70
41.833	0.00	0.51	0.601	I	O	|	|	|	|	1.69
41.917	0.00	0.51	0.597	I	O	|	|	|	|	1.69
42.000	0.00	0.51	0.594	I	O	|	|	|	|	1.68
42.083	0.00	0.51	0.590	I	O	|	|	|	|	1.67
42.167	0.00	0.50	0.587	I	O	|	|	|	|	1.66
42.250	0.00	0.50	0.583	I	O	|	|	|	|	1.65
42.333	0.00	0.50	0.580	I	O	|	|	|	|	1.64
42.417	0.00	0.50	0.576	I	O	|	|	|	|	1.63
42.500	0.00	0.50	0.573	I	O	|	|	|	|	1.62
42.583	0.00	0.50	0.570	I	O	|	|	|	|	1.61
42.667	0.00	0.49	0.566	I	O	|	|	|	|	1.61
42.750	0.00	0.49	0.563	I	O	|	|	|	|	1.60
42.833	0.00	0.49	0.559	I	O	|	|	|	|	1.59
42.917	0.00	0.49	0.556	I	O	|	|	|	|	1.58
43.000	0.00	0.49	0.553	I	O	|	|	|	|	1.57
43.083	0.00	0.48	0.549	I	O	|	|	|	|	1.56
43.167	0.00	0.48	0.546	I	O	|	|	|	|	1.55
43.250	0.00	0.48	0.543	I	O	|	|	|	|	1.55
43.333	0.00	0.48	0.539	I	O	|	|	|	|	1.54
43.417	0.00	0.48	0.536	I	O	|	|	|	|	1.53
43.500	0.00	0.47	0.533	I	O	|	|	|	|	1.52
43.583	0.00	0.47	0.530	I	O	|	|	|	|	1.51
43.667	0.00	0.47	0.526	I	O	|	|	|	|	1.50
43.750	0.00	0.47	0.523	I	O	|	|	|	|	1.50
43.833	0.00	0.47	0.520	I	O	|	|	|	|	1.49
43.917	0.00	0.47	0.517	I	O	|	|	|	|	1.48
44.000	0.00	0.46	0.513	I	O	|	|	|	|	1.47
44.083	0.00	0.46	0.510	I	O	|	|	|	|	1.46
44.167	0.00	0.46	0.507	I	O	|	|	|	|	1.45
44.250	0.00	0.46	0.504	I	O	|	|	|	|	1.45
44.333	0.00	0.46	0.501	I	O	|	|	|	|	1.44
44.417	0.00	0.45	0.498	I	O	|	|	|	|	1.43
44.500	0.00	0.45	0.495	I	O	|	|	|	|	1.42
44.583	0.00	0.45	0.491	I	O	|	|	|	|	1.41
44.667	0.00	0.45	0.488	I	O	|	|	|	|	1.41
44.750	0.00	0.45	0.485	I	O	|	|	|	|	1.40

44.833	0.00	0.45	0.482	I O	|	|	|	1.39
44.917	0.00	0.44	0.479	I O	|	|	|	1.38
45.000	0.00	0.44	0.476	I O	|	|	|	1.37
45.083	0.00	0.44	0.473	I O	|	|	|	1.37
45.167	0.00	0.44	0.470	I O	|	|	|	1.36
45.250	0.00	0.44	0.467	I O	|	|	|	1.35
45.333	0.00	0.44	0.464	I O	|	|	|	1.34
45.417	0.00	0.43	0.461	I O	|	|	|	1.34
45.500	0.00	0.43	0.458	I O	|	|	|	1.33
45.583	0.00	0.43	0.455	I O	|	|	|	1.32
45.667	0.00	0.43	0.452	I O	|	|	|	1.31
45.750	0.00	0.43	0.449	I O	|	|	|	1.31
45.833	0.00	0.43	0.446	I O	|	|	|	1.30
45.917	0.00	0.42	0.443	I O	|	|	|	1.29
46.000	0.00	0.42	0.440	I O	|	|	|	1.28
46.083	0.00	0.42	0.437	I O	|	|	|	1.28
46.167	0.00	0.42	0.435	I O	|	|	|	1.27
46.250	0.00	0.42	0.432	I O	|	|	|	1.26
46.333	0.00	0.42	0.429	I O	|	|	|	1.25
46.417	0.00	0.41	0.426	I O	|	|	|	1.25
46.500	0.00	0.41	0.423	I O	|	|	|	1.24
46.583	0.00	0.41	0.420	I O	|	|	|	1.23
46.667	0.00	0.41	0.417	I O	|	|	|	1.22
46.750	0.00	0.41	0.415	I O	|	|	|	1.22
46.833	0.00	0.41	0.412	I O	|	|	|	1.21
46.917	0.00	0.40	0.409	I O	|	|	|	1.20
47.000	0.00	0.40	0.406	I O	|	|	|	1.20
47.083	0.00	0.40	0.403	I O	|	|	|	1.19
47.167	0.00	0.40	0.401	I O	|	|	|	1.18
47.250	0.00	0.40	0.398	I O	|	|	|	1.17
47.333	0.00	0.40	0.395	I O	|	|	|	1.17
47.417	0.00	0.40	0.392	I O	|	|	|	1.16
47.500	0.00	0.39	0.390	I O	|	|	|	1.15
47.583	0.00	0.39	0.387	I O	|	|	|	1.15
47.667	0.00	0.39	0.384	I O	|	|	|	1.14
47.750	0.00	0.39	0.382	I O	|	|	|	1.13
47.833	0.00	0.39	0.379	I O	|	|	|	1.13
47.917	0.00	0.39	0.376	I O	|	|	|	1.12
48.000	0.00	0.38	0.374	I O	|	|	|	1.11
48.083	0.00	0.38	0.371	I O	|	|	|	1.11
48.167	0.00	0.38	0.368	I O	|	|	|	1.10
48.250	0.00	0.38	0.366	I O	|	|	|	1.09
48.333	0.00	0.38	0.363	I O	|	|	|	1.09
48.417	0.00	0.38	0.361	I O	|	|	|	1.08
48.500	0.00	0.38	0.358	I O	|	|	|	1.07
48.583	0.00	0.37	0.355	I O	|	|	|	1.07
48.667	0.00	0.37	0.353	I O	|	|	|	1.06
48.750	0.00	0.37	0.350	I O	|	|	|	1.05
48.833	0.00	0.37	0.348	I O	|	|	|	1.05
48.917	0.00	0.37	0.345	I O	|	|	|	1.04
49.000	0.00	0.37	0.343	I O	|	|	|	1.03
49.083	0.00	0.37	0.340	I O	|	|	|	1.03
49.167	0.00	0.36	0.338	I O	|	|	|	1.02
49.250	0.00	0.36	0.335	I O	|	|	|	1.01
49.333	0.00	0.36	0.333	I O	|	|	|	1.01
49.417	0.00	0.36	0.330	I O	|	|	|	1.00
49.500	0.00	0.36	0.328	I O	|	|	|	0.99
49.583	0.00	0.35	0.325	I O	|	|	|	0.99
49.667	0.00	0.35	0.323	I O	|	|	|	0.98
49.750	0.00	0.35	0.320	I O	|	|	|	0.97
49.833	0.00	0.35	0.318	I O	|	|	|	0.96
49.917	0.00	0.34	0.316	I O	|	|	|	0.96
50.000	0.00	0.34	0.313	I O	|	|	|	0.95
50.083	0.00	0.34	0.311	I O	|	|	|	0.94
50.167	0.00	0.34	0.309	I O	|	|	|	0.93
50.250	0.00	0.33	0.306	I O	|	|	|	0.93
50.333	0.00	0.33	0.304	I O	|	|	|	0.92

50.417	0.00	0.33	0.302	I O	|	|	|	0.91
50.500	0.00	0.33	0.299	I O	|	|	|	0.91
50.583	0.00	0.32	0.297	I O	|	|	|	0.90
50.667	0.00	0.32	0.295	I O	|	|	|	0.89
50.750	0.00	0.32	0.293	I O	|	|	|	0.89
50.833	0.00	0.32	0.291	I O	|	|	|	0.88
50.917	0.00	0.31	0.288	I O	|	|	|	0.87
51.000	0.00	0.31	0.286	I O	|	|	|	0.87
51.083	0.00	0.31	0.284	I O	|	|	|	0.86
51.167	0.00	0.31	0.282	I O	|	|	|	0.85
51.250	0.00	0.31	0.280	I O	|	|	|	0.85
51.333	0.00	0.30	0.278	I O	|	|	|	0.84
51.417	0.00	0.30	0.276	I O	|	|	|	0.84
51.500	0.00	0.30	0.274	I O	|	|	|	0.83
51.583	0.00	0.30	0.272	I O	|	|	|	0.82
51.667	0.00	0.29	0.269	I O	|	|	|	0.82
51.750	0.00	0.29	0.267	IO	|	|	|	0.81
51.833	0.00	0.29	0.265	IO	|	|	|	0.80
51.917	0.00	0.29	0.263	IO	|	|	|	0.80
52.000	0.00	0.29	0.262	IO	|	|	|	0.79
52.083	0.00	0.28	0.260	IO	|	|	|	0.79
52.167	0.00	0.28	0.258	IO	|	|	|	0.78
52.250	0.00	0.28	0.256	IO	|	|	|	0.77
52.333	0.00	0.28	0.254	IO	|	|	|	0.77
52.417	0.00	0.27	0.252	IO	|	|	|	0.76
52.500	0.00	0.27	0.250	IO	|	|	|	0.76
52.583	0.00	0.27	0.248	IO	|	|	|	0.75
52.667	0.00	0.27	0.246	IO	|	|	|	0.75
52.750	0.00	0.27	0.244	IO	|	|	|	0.74
52.833	0.00	0.26	0.243	IO	|	|	|	0.74
52.917	0.00	0.26	0.241	IO	|	|	|	0.73
53.000	0.00	0.26	0.239	IO	|	|	|	0.72
53.083	0.00	0.26	0.237	IO	|	|	|	0.72
53.167	0.00	0.26	0.235	IO	|	|	|	0.71
53.250	0.00	0.25	0.234	IO	|	|	|	0.71
53.333	0.00	0.25	0.232	IO	|	|	|	0.70
53.417	0.00	0.25	0.230	IO	|	|	|	0.70
53.500	0.00	0.25	0.228	IO	|	|	|	0.69
53.583	0.00	0.25	0.227	IO	|	|	|	0.69
53.667	0.00	0.25	0.225	IO	|	|	|	0.68
53.750	0.00	0.24	0.223	IO	|	|	|	0.68
53.833	0.00	0.24	0.222	IO	|	|	|	0.67
53.917	0.00	0.24	0.220	IO	|	|	|	0.67
54.000	0.00	0.24	0.218	IO	|	|	|	0.66
54.083	0.00	0.24	0.217	IO	|	|	|	0.66
54.167	0.00	0.23	0.215	IO	|	|	|	0.65
54.250	0.00	0.23	0.214	IO	|	|	|	0.65
54.333	0.00	0.23	0.212	IO	|	|	|	0.64
54.417	0.00	0.23	0.210	IO	|	|	|	0.64
54.500	0.00	0.23	0.209	IO	|	|	|	0.63
54.583	0.00	0.23	0.207	IO	|	|	|	0.63
54.667	0.00	0.22	0.206	IO	|	|	|	0.62
54.750	0.00	0.22	0.204	IO	|	|	|	0.62
54.833	0.00	0.22	0.203	IO	|	|	|	0.61
54.917	0.00	0.22	0.201	IO	|	|	|	0.61
55.000	0.00	0.22	0.200	IO	|	|	|	0.60
55.083	0.00	0.22	0.198	IO	|	|	|	0.60
55.167	0.00	0.21	0.197	IO	|	|	|	0.60
55.250	0.00	0.21	0.195	IO	|	|	|	0.59
55.333	0.00	0.21	0.194	IO	|	|	|	0.59
55.417	0.00	0.21	0.192	IO	|	|	|	0.58
55.500	0.00	0.21	0.191	IO	|	|	|	0.58
55.583	0.00	0.21	0.189	IO	|	|	|	0.57
55.667	0.00	0.20	0.188	IO	|	|	|	0.57
55.750	0.00	0.20	0.186	IO	|	|	|	0.57
55.833	0.00	0.20	0.185	IO	|	|	|	0.56
55.917	0.00	0.20	0.184	IO	|	|	|	0.56

56.000	0.00	0.20	0.182	IO					0.55
56.083	0.00	0.20	0.181	IO					0.55
56.167	0.00	0.20	0.180	IO					0.54
56.250	0.00	0.19	0.178	IO					0.54
56.333	0.00	0.19	0.177	IO					0.54
56.417	0.00	0.19	0.176	IO					0.53
56.500	0.00	0.19	0.174	IO					0.53
56.583	0.00	0.19	0.173	IO					0.52
56.667	0.00	0.19	0.172	IO					0.52
56.750	0.00	0.19	0.170	IO					0.52
56.833	0.00	0.18	0.169	IO					0.51
56.917	0.00	0.18	0.168	IO					0.51
57.000	0.00	0.18	0.167	IO					0.50
57.083	0.00	0.18	0.165	IO					0.50
57.167	0.00	0.18	0.164	IO					0.50
57.250	0.00	0.18	0.163	IO					0.49
57.333	0.00	0.18	0.162	IO					0.49
57.417	0.00	0.18	0.160	IO					0.49
57.500	0.00	0.17	0.159	IO					0.48
57.583	0.00	0.17	0.158	IO					0.48
57.667	0.00	0.17	0.157	IO					0.48
57.750	0.00	0.17	0.156	IO					0.47
57.833	0.00	0.17	0.155	IO					0.47
57.917	0.00	0.17	0.153	IO					0.46
58.000	0.00	0.17	0.152	IO					0.46
58.083	0.00	0.16	0.151	IO					0.46
58.167	0.00	0.16	0.150	IO					0.45
58.250	0.00	0.16	0.149	IO					0.45
58.333	0.00	0.16	0.148	IO					0.45
58.417	0.00	0.16	0.147	IO					0.44
58.500	0.00	0.16	0.146	IO					0.44
58.583	0.00	0.16	0.144	IO					0.44
58.667	0.00	0.16	0.143	IO					0.43
58.750	0.00	0.16	0.142	IO					0.43
58.833	0.00	0.15	0.141	IO					0.43
58.917	0.00	0.15	0.140	IO					0.42
59.000	0.00	0.15	0.139	IO					0.42
59.083	0.00	0.15	0.138	IO					0.42
59.167	0.00	0.15	0.137	IO					0.42
59.250	0.00	0.15	0.136	IO					0.41
59.333	0.00	0.15	0.135	IO					0.41
59.417	0.00	0.15	0.134	O					0.41
59.500	0.00	0.15	0.133	O					0.40
59.583	0.00	0.14	0.132	O					0.40
59.667	0.00	0.14	0.131	O					0.40
59.750	0.00	0.14	0.130	O					0.39
59.833	0.00	0.14	0.129	O					0.39
59.917	0.00	0.14	0.128	O					0.39
60.000	0.00	0.14	0.127	O					0.39
60.083	0.00	0.14	0.126	O					0.38
60.167	0.00	0.14	0.125	O					0.38
60.250	0.00	0.14	0.124	O					0.38
60.333	0.00	0.13	0.123	O					0.37
60.417	0.00	0.13	0.122	O					0.37
60.500	0.00	0.13	0.122	O					0.37
60.583	0.00	0.13	0.121	O					0.37
60.667	0.00	0.13	0.120	O					0.36
60.750	0.00	0.13	0.119	O					0.36
60.833	0.00	0.13	0.118	O					0.36
60.917	0.00	0.13	0.117	O					0.35
61.000	0.00	0.13	0.116	O					0.35
61.083	0.00	0.13	0.115	O					0.35
61.167	0.00	0.12	0.114	O					0.35
61.250	0.00	0.12	0.114	O					0.34
61.333	0.00	0.12	0.113	O					0.34
61.417	0.00	0.12	0.112	O					0.34
61.500	0.00	0.12	0.111	O					0.34

61.583	0.00	0.12	0.110	O	|	|	|	|	0.33
61.667	0.00	0.12	0.109	O	|	|	|	|	0.33
61.750	0.00	0.12	0.109	O	|	|	|	|	0.33
61.833	0.00	0.12	0.108	O	|	|	|	|	0.33
61.917	0.00	0.12	0.107	O	|	|	|	|	0.32
62.000	0.00	0.12	0.106	O	|	|	|	|	0.32
62.083	0.00	0.11	0.105	O	|	|	|	|	0.32
62.167	0.00	0.11	0.105	O	|	|	|	|	0.32
62.250	0.00	0.11	0.104	O	|	|	|	|	0.31
62.333	0.00	0.11	0.103	O	|	|	|	|	0.31
62.417	0.00	0.11	0.102	O	|	|	|	|	0.31
62.500	0.00	0.11	0.101	O	|	|	|	|	0.31
62.583	0.00	0.11	0.101	O	|	|	|	|	0.31
62.667	0.00	0.11	0.100	O	|	|	|	|	0.30
62.750	0.00	0.11	0.099	O	|	|	|	|	0.30
62.833	0.00	0.11	0.098	O	|	|	|	|	0.30
62.917	0.00	0.11	0.098	O	|	|	|	|	0.30
63.000	0.00	0.11	0.097	O	|	|	|	|	0.29
63.083	0.00	0.11	0.096	O	|	|	|	|	0.29
63.167	0.00	0.10	0.096	O	|	|	|	|	0.29
63.250	0.00	0.10	0.095	O	|	|	|	|	0.29
63.333	0.00	0.10	0.094	O	|	|	|	|	0.29
63.417	0.00	0.10	0.093	O	|	|	|	|	0.28
63.500	0.00	0.10	0.093	O	|	|	|	|	0.28
63.583	0.00	0.10	0.092	O	|	|	|	|	0.28
63.667	0.00	0.10	0.091	O	|	|	|	|	0.28
63.750	0.00	0.10	0.091	O	|	|	|	|	0.27
63.833	0.00	0.10	0.090	O	|	|	|	|	0.27
63.917	0.00	0.10	0.089	O	|	|	|	|	0.27
64.000	0.00	0.10	0.089	O	|	|	|	|	0.27
64.083	0.00	0.10	0.088	O	|	|	|	|	0.27
64.167	0.00	0.10	0.087	O	|	|	|	|	0.26
64.250	0.00	0.09	0.087	O	|	|	|	|	0.26
64.333	0.00	0.09	0.086	O	|	|	|	|	0.26
64.417	0.00	0.09	0.085	O	|	|	|	|	0.26
64.500	0.00	0.09	0.085	O	|	|	|	|	0.26
64.583	0.00	0.09	0.084	O	|	|	|	|	0.25
64.667	0.00	0.09	0.083	O	|	|	|	|	0.25
64.750	0.00	0.09	0.083	O	|	|	|	|	0.25
64.833	0.00	0.09	0.082	O	|	|	|	|	0.25
64.917	0.00	0.09	0.082	O	|	|	|	|	0.25
65.000	0.00	0.09	0.081	O	|	|	|	|	0.25
65.083	0.00	0.09	0.080	O	|	|	|	|	0.24
65.167	0.00	0.09	0.080	O	|	|	|	|	0.24
65.250	0.00	0.09	0.079	O	|	|	|	|	0.24
65.333	0.00	0.09	0.079	O	|	|	|	|	0.24
65.417	0.00	0.09	0.078	O	|	|	|	|	0.24
65.500	0.00	0.08	0.077	O	|	|	|	|	0.23
65.583	0.00	0.08	0.077	O	|	|	|	|	0.23
65.667	0.00	0.08	0.076	O	|	|	|	|	0.23
65.750	0.00	0.08	0.076	O	|	|	|	|	0.23
65.833	0.00	0.08	0.075	O	|	|	|	|	0.23
65.917	0.00	0.08	0.075	O	|	|	|	|	0.23
66.000	0.00	0.08	0.074	O	|	|	|	|	0.22
66.083	0.00	0.08	0.073	O	|	|	|	|	0.22
66.167	0.00	0.08	0.073	O	|	|	|	|	0.22
66.250	0.00	0.08	0.072	O	|	|	|	|	0.22
66.333	0.00	0.08	0.072	O	|	|	|	|	0.22
66.417	0.00	0.08	0.071	O	|	|	|	|	0.22
66.500	0.00	0.08	0.071	O	|	|	|	|	0.21
66.583	0.00	0.08	0.070	O	|	|	|	|	0.21
66.667	0.00	0.08	0.070	O	|	|	|	|	0.21
66.750	0.00	0.08	0.069	O	|	|	|	|	0.21
66.833	0.00	0.07	0.069	O	|	|	|	|	0.21
66.917	0.00	0.07	0.068	O	|	|	|	|	0.21
67.000	0.00	0.07	0.068	O	|	|	|	|	0.20
67.083	0.00	0.07	0.067	O	|	|	|	|	0.20

67.167	0.00	0.07	0.067	O	|	|	|	0.20
67.250	0.00	0.07	0.066	O	|	|	|	0.20
67.333	0.00	0.07	0.066	O	|	|	|	0.20
67.417	0.00	0.07	0.065	O	|	|	|	0.20
67.500	0.00	0.07	0.065	O	|	|	|	0.20
67.583	0.00	0.07	0.064	O	|	|	|	0.19
67.667	0.00	0.07	0.064	O	|	|	|	0.19
67.750	0.00	0.07	0.063	O	|	|	|	0.19
67.833	0.00	0.07	0.063	O	|	|	|	0.19
67.917	0.00	0.07	0.062	O	|	|	|	0.19
68.000	0.00	0.07	0.062	O	|	|	|	0.19
68.083	0.00	0.07	0.061	O	|	|	|	0.19
68.167	0.00	0.07	0.061	O	|	|	|	0.18
68.250	0.00	0.07	0.060	O	|	|	|	0.18
68.333	0.00	0.07	0.060	O	|	|	|	0.18
68.417	0.00	0.06	0.060	O	|	|	|	0.18
68.500	0.00	0.06	0.059	O	|	|	|	0.18
68.583	0.00	0.06	0.059	O	|	|	|	0.18
68.667	0.00	0.06	0.058	O	|	|	|	0.18
68.750	0.00	0.06	0.058	O	|	|	|	0.18
68.833	0.00	0.06	0.057	O	|	|	|	0.17
68.917	0.00	0.06	0.057	O	|	|	|	0.17
69.000	0.00	0.06	0.056	O	|	|	|	0.17
69.083	0.00	0.06	0.056	O	|	|	|	0.17
69.167	0.00	0.06	0.056	O	|	|	|	0.17
69.250	0.00	0.06	0.055	O	|	|	|	0.17
69.333	0.00	0.06	0.055	O	|	|	|	0.17
69.417	0.00	0.06	0.054	O	|	|	|	0.16
69.500	0.00	0.06	0.054	O	|	|	|	0.16
69.583	0.00	0.06	0.054	O	|	|	|	0.16
69.667	0.00	0.06	0.053	O	|	|	|	0.16
69.750	0.00	0.06	0.053	O	|	|	|	0.16
69.833	0.00	0.06	0.052	O	|	|	|	0.16
69.917	0.00	0.06	0.052	O	|	|	|	0.16
70.000	0.00	0.06	0.052	O	|	|	|	0.16
70.083	0.00	0.06	0.051	O	|	|	|	0.16
70.167	0.00	0.06	0.051	O	|	|	|	0.15
70.250	0.00	0.06	0.050	O	|	|	|	0.15
70.333	0.00	0.05	0.050	O	|	|	|	0.15
70.417	0.00	0.05	0.050	O	|	|	|	0.15
70.500	0.00	0.05	0.049	O	|	|	|	0.15
70.583	0.00	0.05	0.049	O	|	|	|	0.15
70.667	0.00	0.05	0.049	O	|	|	|	0.15
70.750	0.00	0.05	0.048	O	|	|	|	0.15
70.833	0.00	0.05	0.048	O	|	|	|	0.15
70.917	0.00	0.05	0.048	O	|	|	|	0.14
71.000	0.00	0.05	0.047	O	|	|	|	0.14
71.083	0.00	0.05	0.047	O	|	|	|	0.14
71.167	0.00	0.05	0.046	O	|	|	|	0.14
71.250	0.00	0.05	0.046	O	|	|	|	0.14
71.333	0.00	0.05	0.046	O	|	|	|	0.14
71.417	0.00	0.05	0.045	O	|	|	|	0.14
71.500	0.00	0.05	0.045	O	|	|	|	0.14
71.583	0.00	0.05	0.045	O	|	|	|	0.14
71.667	0.00	0.05	0.044	O	|	|	|	0.13
71.750	0.00	0.05	0.044	O	|	|	|	0.13
71.833	0.00	0.05	0.044	O	|	|	|	0.13
71.917	0.00	0.05	0.043	O	|	|	|	0.13
72.000	0.00	0.05	0.043	O	|	|	|	0.13
72.083	0.00	0.05	0.043	O	|	|	|	0.13
72.167	0.00	0.05	0.042	O	|	|	|	0.13
72.250	0.00	0.05	0.042	O	|	|	|	0.13
72.333	0.00	0.05	0.042	O	|	|	|	0.13
72.417	0.00	0.05	0.042	O	|	|	|	0.13
72.500	0.00	0.04	0.041	O	|	|	|	0.12
72.583	0.00	0.04	0.041	O	|	|	|	0.12
72.667	0.00	0.04	0.041	O	|	|	|	0.12

72.750	0.00	0.04	0.040	O	|	|	|	|	0.12
72.833	0.00	0.04	0.040	O	|	|	|	|	0.12
72.917	0.00	0.04	0.040	O	|	|	|	|	0.12
73.000	0.00	0.04	0.039	O	|	|	|	|	0.12
73.083	0.00	0.04	0.039	O	|	|	|	|	0.12
73.167	0.00	0.04	0.039	O	|	|	|	|	0.12
73.250	0.00	0.04	0.038	O	|	|	|	|	0.12
73.333	0.00	0.04	0.038	O	|	|	|	|	0.12
73.417	0.00	0.04	0.038	O	|	|	|	|	0.11
73.500	0.00	0.04	0.038	O	|	|	|	|	0.11
73.583	0.00	0.04	0.037	O	|	|	|	|	0.11
73.667	0.00	0.04	0.037	O	|	|	|	|	0.11
73.750	0.00	0.04	0.037	O	|	|	|	|	0.11
73.833	0.00	0.04	0.037	O	|	|	|	|	0.11
73.917	0.00	0.04	0.036	O	|	|	|	|	0.11
74.000	0.00	0.04	0.036	O	|	|	|	|	0.11
74.083	0.00	0.04	0.036	O	|	|	|	|	0.11
74.167	0.00	0.04	0.035	O	|	|	|	|	0.11
74.250	0.00	0.04	0.035	O	|	|	|	|	0.11
74.333	0.00	0.04	0.035	O	|	|	|	|	0.11
74.417	0.00	0.04	0.035	O	|	|	|	|	0.11
74.500	0.00	0.04	0.034	O	|	|	|	|	0.10
74.583	0.00	0.04	0.034	O	|	|	|	|	0.10
74.667	0.00	0.04	0.034	O	|	|	|	|	0.10
74.750	0.00	0.04	0.034	O	|	|	|	|	0.10
74.833	0.00	0.04	0.033	O	|	|	|	|	0.10
74.917	0.00	0.04	0.033	O	|	|	|	|	0.10
75.000	0.00	0.04	0.033	O	|	|	|	|	0.10
75.083	0.00	0.04	0.033	O	|	|	|	|	0.10
75.167	0.00	0.04	0.032	O	|	|	|	|	0.10
75.250	0.00	0.04	0.032	O	|	|	|	|	0.10
75.333	0.00	0.03	0.032	O	|	|	|	|	0.10
75.417	0.00	0.03	0.032	O	|	|	|	|	0.10
75.500	0.00	0.03	0.031	O	|	|	|	|	0.10
75.583	0.00	0.03	0.031	O	|	|	|	|	0.09
75.667	0.00	0.03	0.031	O	|	|	|	|	0.09
75.750	0.00	0.03	0.031	O	|	|	|	|	0.09
75.833	0.00	0.03	0.030	O	|	|	|	|	0.09
75.917	0.00	0.03	0.030	O	|	|	|	|	0.09
76.000	0.00	0.03	0.030	O	|	|	|	|	0.09
76.083	0.00	0.03	0.030	O	|	|	|	|	0.09
76.167	0.00	0.03	0.030	O	|	|	|	|	0.09
76.250	0.00	0.03	0.029	O	|	|	|	|	0.09
76.333	0.00	0.03	0.029	O	|	|	|	|	0.09
76.417	0.00	0.03	0.029	O	|	|	|	|	0.09
76.500	0.00	0.03	0.029	O	|	|	|	|	0.09
76.583	0.00	0.03	0.029	O	|	|	|	|	0.09
76.667	0.00	0.03	0.028	O	|	|	|	|	0.09
76.750	0.00	0.03	0.028	O	|	|	|	|	0.09
76.833	0.00	0.03	0.028	O	|	|	|	|	0.08
76.917	0.00	0.03	0.028	O	|	|	|	|	0.08
77.000	0.00	0.03	0.027	O	|	|	|	|	0.08
77.083	0.00	0.03	0.027	O	|	|	|	|	0.08
77.167	0.00	0.03	0.027	O	|	|	|	|	0.08
77.250	0.00	0.03	0.027	O	|	|	|	|	0.08
77.333	0.00	0.03	0.027	O	|	|	|	|	0.08
77.417	0.00	0.03	0.026	O	|	|	|	|	0.08
77.500	0.00	0.03	0.026	O	|	|	|	|	0.08
77.583	0.00	0.03	0.026	O	|	|	|	|	0.08
77.667	0.00	0.03	0.026	O	|	|	|	|	0.08
77.750	0.00	0.03	0.026	O	|	|	|	|	0.08
77.833	0.00	0.03	0.025	O	|	|	|	|	0.08
77.917	0.00	0.03	0.025	O	|	|	|	|	0.08
78.000	0.00	0.03	0.025	O	|	|	|	|	0.08
78.083	0.00	0.03	0.025	O	|	|	|	|	0.08
78.167	0.00	0.03	0.025	O	|	|	|	|	0.07
78.250	0.00	0.03	0.025	O	|	|	|	|	0.07

78.333	0.00	0.03	0.024	O	|	|	|	|	0.07
78.417	0.00	0.03	0.024	O	|	|	|	|	0.07
78.500	0.00	0.03	0.024	O	|	|	|	|	0.07
78.583	0.00	0.03	0.024	O	|	|	|	|	0.07
78.667	0.00	0.03	0.024	O	|	|	|	|	0.07
78.750	0.00	0.03	0.023	O	|	|	|	|	0.07
78.833	0.00	0.03	0.023	O	|	|	|	|	0.07
78.917	0.00	0.03	0.023	O	|	|	|	|	0.07
79.000	0.00	0.03	0.023	O	|	|	|	|	0.07
79.083	0.00	0.02	0.023	O	|	|	|	|	0.07
79.167	0.00	0.02	0.023	O	|	|	|	|	0.07
79.250	0.00	0.02	0.022	O	|	|	|	|	0.07
79.333	0.00	0.02	0.022	O	|	|	|	|	0.07
79.417	0.00	0.02	0.022	O	|	|	|	|	0.07
79.500	0.00	0.02	0.022	O	|	|	|	|	0.07
79.583	0.00	0.02	0.022	O	|	|	|	|	0.07
79.667	0.00	0.02	0.022	O	|	|	|	|	0.07
79.750	0.00	0.02	0.021	O	|	|	|	|	0.06
79.833	0.00	0.02	0.021	O	|	|	|	|	0.06
79.917	0.00	0.02	0.021	O	|	|	|	|	0.06
80.000	0.00	0.02	0.021	O	|	|	|	|	0.06
80.083	0.00	0.02	0.021	O	|	|	|	|	0.06
80.167	0.00	0.02	0.021	O	|	|	|	|	0.06
80.250	0.00	0.02	0.020	O	|	|	|	|	0.06
80.333	0.00	0.02	0.020	O	|	|	|	|	0.06
80.417	0.00	0.02	0.020	O	|	|	|	|	0.06
80.500	0.00	0.02	0.020	O	|	|	|	|	0.06
80.583	0.00	0.02	0.020	O	|	|	|	|	0.06
80.667	0.00	0.02	0.020	O	|	|	|	|	0.06
80.750	0.00	0.02	0.020	O	|	|	|	|	0.06
80.833	0.00	0.02	0.019	O	|	|	|	|	0.06
80.917	0.00	0.02	0.019	O	|	|	|	|	0.06
81.000	0.00	0.02	0.019	O	|	|	|	|	0.06
81.083	0.00	0.02	0.019	O	|	|	|	|	0.06
81.167	0.00	0.02	0.019	O	|	|	|	|	0.06
81.250	0.00	0.02	0.019	O	|	|	|	|	0.06
81.333	0.00	0.02	0.019	O	|	|	|	|	0.06
81.417	0.00	0.02	0.018	O	|	|	|	|	0.06
81.500	0.00	0.02	0.018	O	|	|	|	|	0.06
81.583	0.00	0.02	0.018	O	|	|	|	|	0.06
81.667	0.00	0.02	0.018	O	|	|	|	|	0.05
81.750	0.00	0.02	0.018	O	|	|	|	|	0.05
81.833	0.00	0.02	0.018	O	|	|	|	|	0.05
81.917	0.00	0.02	0.018	O	|	|	|	|	0.05
82.000	0.00	0.02	0.017	O	|	|	|	|	0.05
82.083	0.00	0.02	0.017	O	|	|	|	|	0.05
82.167	0.00	0.02	0.017	O	|	|	|	|	0.05
82.250	0.00	0.02	0.017	O	|	|	|	|	0.05
82.333	0.00	0.02	0.017	O	|	|	|	|	0.05
82.417	0.00	0.02	0.017	O	|	|	|	|	0.05
82.500	0.00	0.02	0.017	O	|	|	|	|	0.05
82.583	0.00	0.02	0.017	O	|	|	|	|	0.05
82.667	0.00	0.02	0.016	O	|	|	|	|	0.05
82.750	0.00	0.02	0.016	O	|	|	|	|	0.05
82.833	0.00	0.02	0.016	O	|	|	|	|	0.05
82.917	0.00	0.02	0.016	O	|	|	|	|	0.05
83.000	0.00	0.02	0.016	O	|	|	|	|	0.05
83.083	0.00	0.02	0.016	O	|	|	|	|	0.05
83.167	0.00	0.02	0.016	O	|	|	|	|	0.05
83.250	0.00	0.02	0.016	O	|	|	|	|	0.05
83.333	0.00	0.02	0.016	O	|	|	|	|	0.05
83.417	0.00	0.02	0.015	O	|	|	|	|	0.05
83.500	0.00	0.02	0.015	O	|	|	|	|	0.05
83.583	0.00	0.02	0.015	O	|	|	|	|	0.05
83.667	0.00	0.02	0.015	O	|	|	|	|	0.05
83.750	0.00	0.02	0.015	O	|	|	|	|	0.05
83.833	0.00	0.02	0.015	O	|	|	|	|	0.04

83.917	0.00	0.02	0.015	O	|	|	|	|	0.04
84.000	0.00	0.02	0.015	O	|	|	|	|	0.04
84.083	0.00	0.02	0.014	O	|	|	|	|	0.04
84.167	0.00	0.02	0.014	O	|	|	|	|	0.04
84.250	0.00	0.02	0.014	O	|	|	|	|	0.04
84.333	0.00	0.02	0.014	O	|	|	|	|	0.04
84.417	0.00	0.02	0.014	O	|	|	|	|	0.04
84.500	0.00	0.02	0.014	O	|	|	|	|	0.04
84.583	0.00	0.02	0.014	O	|	|	|	|	0.04
84.667	0.00	0.02	0.014	O	|	|	|	|	0.04
84.750	0.00	0.01	0.014	O	|	|	|	|	0.04
84.833	0.00	0.01	0.014	O	|	|	|	|	0.04
84.917	0.00	0.01	0.013	O	|	|	|	|	0.04
85.000	0.00	0.01	0.013	O	|	|	|	|	0.04
85.083	0.00	0.01	0.013	O	|	|	|	|	0.04
85.167	0.00	0.01	0.013	O	|	|	|	|	0.04
85.250	0.00	0.01	0.013	O	|	|	|	|	0.04
85.333	0.00	0.01	0.013	O	|	|	|	|	0.04
85.417	0.00	0.01	0.013	O	|	|	|	|	0.04
85.500	0.00	0.01	0.013	O	|	|	|	|	0.04
85.583	0.00	0.01	0.013	O	|	|	|	|	0.04
85.667	0.00	0.01	0.013	O	|	|	|	|	0.04
85.750	0.00	0.01	0.012	O	|	|	|	|	0.04
85.833	0.00	0.01	0.012	O	|	|	|	|	0.04
85.917	0.00	0.01	0.012	O	|	|	|	|	0.04
86.000	0.00	0.01	0.012	O	|	|	|	|	0.04
86.083	0.00	0.01	0.012	O	|	|	|	|	0.04
86.167	0.00	0.01	0.012	O	|	|	|	|	0.04
86.250	0.00	0.01	0.012	O	|	|	|	|	0.04
86.333	0.00	0.01	0.012	O	|	|	|	|	0.04
86.417	0.00	0.01	0.012	O	|	|	|	|	0.04
86.500	0.00	0.01	0.012	O	|	|	|	|	0.04
86.583	0.00	0.01	0.012	O	|	|	|	|	0.04
86.667	0.00	0.01	0.011	O	|	|	|	|	0.03
86.750	0.00	0.01	0.011	O	|	|	|	|	0.03
86.833	0.00	0.01	0.011	O	|	|	|	|	0.03
86.917	0.00	0.01	0.011	O	|	|	|	|	0.03
87.000	0.00	0.01	0.011	O	|	|	|	|	0.03
87.083	0.00	0.01	0.011	O	|	|	|	|	0.03
87.167	0.00	0.01	0.011	O	|	|	|	|	0.03
87.250	0.00	0.01	0.011	O	|	|	|	|	0.03
87.333	0.00	0.01	0.011	O	|	|	|	|	0.03
87.417	0.00	0.01	0.011	O	|	|	|	|	0.03
87.500	0.00	0.01	0.011	O	|	|	|	|	0.03
87.583	0.00	0.01	0.011	O	|	|	|	|	0.03
87.667	0.00	0.01	0.010	O	|	|	|	|	0.03
87.750	0.00	0.01	0.010	O	|	|	|	|	0.03
87.833	0.00	0.01	0.010	O	|	|	|	|	0.03
87.917	0.00	0.01	0.010	O	|	|	|	|	0.03
88.000	0.00	0.01	0.010	O	|	|	|	|	0.03
88.083	0.00	0.01	0.010	O	|	|	|	|	0.03
88.167	0.00	0.01	0.010	O	|	|	|	|	0.03
88.250	0.00	0.01	0.010	O	|	|	|	|	0.03
88.333	0.00	0.01	0.010	O	|	|	|	|	0.03
88.417	0.00	0.01	0.010	O	|	|	|	|	0.03
88.500	0.00	0.01	0.010	O	|	|	|	|	0.03
88.583	0.00	0.01	0.010	O	|	|	|	|	0.03
88.667	0.00	0.01	0.010	O	|	|	|	|	0.03
88.750	0.00	0.01	0.010	O	|	|	|	|	0.03
88.833	0.00	0.01	0.009	O	|	|	|	|	0.03
88.917	0.00	0.01	0.009	O	|	|	|	|	0.03
89.000	0.00	0.01	0.009	O	|	|	|	|	0.03
89.083	0.00	0.01	0.009	O	|	|	|	|	0.03
89.167	0.00	0.01	0.009	O	|	|	|	|	0.03
89.250	0.00	0.01	0.009	O	|	|	|	|	0.03
89.333	0.00	0.01	0.009	O	|	|	|	|	0.03
89.417	0.00	0.01	0.009	O	|	|	|	|	0.03

89.500	0.00	0.01	0.009	O	|	|	|	|	0.03
89.583	0.00	0.01	0.009	O	|	|	|	|	0.03
89.667	0.00	0.01	0.009	O	|	|	|	|	0.03
89.750	0.00	0.01	0.009	O	|	|	|	|	0.03
89.833	0.00	0.01	0.009	O	|	|	|	|	0.03
89.917	0.00	0.01	0.009	O	|	|	|	|	0.03
90.000	0.00	0.01	0.009	O	|	|	|	|	0.03
90.083	0.00	0.01	0.008	O	|	|	|	|	0.03
90.167	0.00	0.01	0.008	O	|	|	|	|	0.03
90.250	0.00	0.01	0.008	O	|	|	|	|	0.03
90.333	0.00	0.01	0.008	O	|	|	|	|	0.03
90.417	0.00	0.01	0.008	O	|	|	|	|	0.02
90.500	0.00	0.01	0.008	O	|	|	|	|	0.02
90.583	0.00	0.01	0.008	O	|	|	|	|	0.02
90.667	0.00	0.01	0.008	O	|	|	|	|	0.02
90.750	0.00	0.01	0.008	O	|	|	|	|	0.02
90.833	0.00	0.01	0.008	O	|	|	|	|	0.02
90.917	0.00	0.01	0.008	O	|	|	|	|	0.02
91.000	0.00	0.01	0.008	O	|	|	|	|	0.02
91.083	0.00	0.01	0.008	O	|	|	|	|	0.02
91.167	0.00	0.01	0.008	O	|	|	|	|	0.02
91.250	0.00	0.01	0.008	O	|	|	|	|	0.02
91.333	0.00	0.01	0.008	O	|	|	|	|	0.02
91.417	0.00	0.01	0.007	O	|	|	|	|	0.02
91.500	0.00	0.01	0.007	O	|	|	|	|	0.02
91.583	0.00	0.01	0.007	O	|	|	|	|	0.02
91.667	0.00	0.01	0.007	O	|	|	|	|	0.02
91.750	0.00	0.01	0.007	O	|	|	|	|	0.02
91.833	0.00	0.01	0.007	O	|	|	|	|	0.02
91.917	0.00	0.01	0.007	O	|	|	|	|	0.02
92.000	0.00	0.01	0.007	O	|	|	|	|	0.02
92.083	0.00	0.01	0.007	O	|	|	|	|	0.02
92.167	0.00	0.01	0.007	O	|	|	|	|	0.02
92.250	0.00	0.01	0.007	O	|	|	|	|	0.02
92.333	0.00	0.01	0.007	O	|	|	|	|	0.02
92.417	0.00	0.01	0.007	O	|	|	|	|	0.02
92.500	0.00	0.01	0.007	O	|	|	|	|	0.02
92.583	0.00	0.01	0.007	O	|	|	|	|	0.02
92.667	0.00	0.01	0.007	O	|	|	|	|	0.02
92.750	0.00	0.01	0.007	O	|	|	|	|	0.02
92.833	0.00	0.01	0.007	O	|	|	|	|	0.02
92.917	0.00	0.01	0.007	O	|	|	|	|	0.02
93.000	0.00	0.01	0.006	O	|	|	|	|	0.02
93.083	0.00	0.01	0.006	O	|	|	|	|	0.02
93.167	0.00	0.01	0.006	O	|	|	|	|	0.02
93.250	0.00	0.01	0.006	O	|	|	|	|	0.02
93.333	0.00	0.01	0.006	O	|	|	|	|	0.02
93.417	0.00	0.01	0.006	O	|	|	|	|	0.02
93.500	0.00	0.01	0.006	O	|	|	|	|	0.02
93.583	0.00	0.01	0.006	O	|	|	|	|	0.02
93.667	0.00	0.01	0.006	O	|	|	|	|	0.02
93.750	0.00	0.01	0.006	O	|	|	|	|	0.02
93.833	0.00	0.01	0.006	O	|	|	|	|	0.02
93.917	0.00	0.01	0.006	O	|	|	|	|	0.02
94.000	0.00	0.01	0.006	O	|	|	|	|	0.02
94.083	0.00	0.01	0.006	O	|	|	|	|	0.02
94.167	0.00	0.01	0.006	O	|	|	|	|	0.02
94.250	0.00	0.01	0.006	O	|	|	|	|	0.02
94.333	0.00	0.01	0.006	O	|	|	|	|	0.02
94.417	0.00	0.01	0.006	O	|	|	|	|	0.02
94.500	0.00	0.01	0.006	O	|	|	|	|	0.02
94.583	0.00	0.01	0.006	O	|	|	|	|	0.02
94.667	0.00	0.01	0.006	O	|	|	|	|	0.02
94.750	0.00	0.01	0.006	O	|	|	|	|	0.02
94.833	0.00	0.01	0.005	O	|	|	|	|	0.02
94.917	0.00	0.01	0.005	O	|	|	|	|	0.02
95.000	0.00	0.01	0.005	O	|	|	|	|	0.02

95.083	0.00	0.01	0.005	O				0.02
95.167	0.00	0.01	0.005	O				0.02
95.250	0.00	0.01	0.005	O				0.02
95.333	0.00	0.01	0.005	O				0.02
95.417	0.00	0.01	0.005	O				0.02
95.500	0.00	0.01	0.005	O				0.02
95.583	0.00	0.01	0.005	O				0.02
95.667	0.00	0.01	0.005	O				0.02
95.750	0.00	0.01	0.005	O				0.02
95.833	0.00	0.01	0.005	O				0.02
95.917	0.00	0.01	0.005	O				0.02
96.000	0.00	0.01	0.005	O				0.02
96.083	0.00	0.01	0.005	O				0.01
96.167	0.00	0.01	0.005	O				0.01
96.250	0.00	0.01	0.005	O				0.01
96.333	0.00	0.01	0.005	O				0.01
96.417	0.00	0.01	0.005	O				0.01
96.500	0.00	0.01	0.005	O				0.01
96.583	0.00	0.01	0.005	O				0.01
96.667	0.00	0.01	0.005	O				0.01
96.750	0.00	0.01	0.005	O				0.01
96.833	0.00	0.01	0.005	O				0.01
96.917	0.00	0.00	0.005	O				0.01
97.000	0.00	0.00	0.005	O				0.01
97.083	0.00	0.00	0.004	O				0.01
97.167	0.00	0.00	0.004	O				0.01
97.250	0.00	0.00	0.004	O				0.01
97.333	0.00	0.00	0.004	O				0.01
97.417	0.00	0.00	0.004	O				0.01
97.500	0.00	0.00	0.004	O				0.01
97.583	0.00	0.00	0.004	O				0.01
97.667	0.00	0.00	0.004	O				0.01
97.750	0.00	0.00	0.004	O				0.01
97.833	0.00	0.00	0.004	O				0.01
97.917	0.00	0.00	0.004	O				0.01
98.000	0.00	0.00	0.004	O				0.01
98.083	0.00	0.00	0.004	O				0.01
98.167	0.00	0.00	0.004	O				0.01
98.250	0.00	0.00	0.004	O				0.01
98.333	0.00	0.00	0.004	O				0.01
98.417	0.00	0.00	0.004	O				0.01
98.500	0.00	0.00	0.004	O				0.01
98.583	0.00	0.00	0.004	O				0.01
98.667	0.00	0.00	0.004	O				0.01
98.750	0.00	0.00	0.004	O				0.01
98.833	0.00	0.00	0.004	O				0.01
98.917	0.00	0.00	0.004	O				0.01
99.000	0.00	0.00	0.004	O				0.01
99.083	0.00	0.00	0.004	O				0.01
99.167	0.00	0.00	0.004	O				0.01
99.250	0.00	0.00	0.004	O				0.01
99.333	0.00	0.00	0.004	O				0.01
99.417	0.00	0.00	0.004	O				0.01
99.500	0.00	0.00	0.004	O				0.01
99.583	0.00	0.00	0.004	O				0.01
99.667	0.00	0.00	0.004	O				0.01
99.750	0.00	0.00	0.004	O				0.01
99.833	0.00	0.00	0.004	O				0.01
99.917	0.00	0.00	0.003	O				0.01
100.000	0.00	0.00	0.003	O				0.01
100.083	0.00	0.00	0.003	O				0.01
100.167	0.00	0.00	0.003	O				0.01
100.250	0.00	0.00	0.003	O				0.01
100.333	0.00	0.00	0.003	O				0.01
100.417	0.00	0.00	0.003	O				0.01
100.500	0.00	0.00	0.003	O				0.01
100.583	0.00	0.00	0.003	O				0.01

100.667	0.00	0.00	0.003	O				0.01
100.750	0.00	0.00	0.003	O				0.01
100.833	0.00	0.00	0.003	O				0.01
100.917	0.00	0.00	0.003	O				0.01
101.000	0.00	0.00	0.003	O				0.01
101.083	0.00	0.00	0.003	O				0.01
101.167	0.00	0.00	0.003	O				0.01
101.250	0.00	0.00	0.003	O				0.01
101.333	0.00	0.00	0.003	O				0.01
101.417	0.00	0.00	0.003	O				0.01
101.500	0.00	0.00	0.003	O				0.01
101.583	0.00	0.00	0.003	O				0.01
101.667	0.00	0.00	0.003	O				0.01
101.750	0.00	0.00	0.003	O				0.01
101.833	0.00	0.00	0.003	O				0.01
101.917	0.00	0.00	0.003	O				0.01
102.000	0.00	0.00	0.003	O				0.01
102.083	0.00	0.00	0.003	O				0.01
102.167	0.00	0.00	0.003	O				0.01
102.250	0.00	0.00	0.003	O				0.01
102.333	0.00	0.00	0.003	O				0.01
102.417	0.00	0.00	0.003	O				0.01
102.500	0.00	0.00	0.003	O				0.01
102.583	0.00	0.00	0.003	O				0.01
102.667	0.00	0.00	0.003	O				0.01
102.750	0.00	0.00	0.003	O				0.01
102.833	0.00	0.00	0.003	O				0.01
102.917	0.00	0.00	0.003	O				0.01
103.000	0.00	0.00	0.003	O				0.01
103.083	0.00	0.00	0.003	O				0.01
103.167	0.00	0.00	0.003	O				0.01
103.250	0.00	0.00	0.003	O				0.01
103.333	0.00	0.00	0.003	O				0.01
103.417	0.00	0.00	0.003	O				0.01
103.500	0.00	0.00	0.003	O				0.01
103.583	0.00	0.00	0.002	O				0.01
103.667	0.00	0.00	0.002	O				0.01
103.750	0.00	0.00	0.002	O				0.01
103.833	0.00	0.00	0.002	O				0.01
103.917	0.00	0.00	0.002	O				0.01
104.000	0.00	0.00	0.002	O				0.01
104.083	0.00	0.00	0.002	O				0.01
104.167	0.00	0.00	0.002	O				0.01
104.250	0.00	0.00	0.002	O				0.01
104.333	0.00	0.00	0.002	O				0.01
104.417	0.00	0.00	0.002	O				0.01
104.500	0.00	0.00	0.002	O				0.01
104.583	0.00	0.00	0.002	O				0.01
104.667	0.00	0.00	0.002	O				0.01
104.750	0.00	0.00	0.002	O				0.01
104.833	0.00	0.00	0.002	O				0.01
104.917	0.00	0.00	0.002	O				0.01
105.000	0.00	0.00	0.002	O				0.01
105.083	0.00	0.00	0.002	O				0.01
105.167	0.00	0.00	0.002	O				0.01
105.250	0.00	0.00	0.002	O				0.01
105.333	0.00	0.00	0.002	O				0.01
105.417	0.00	0.00	0.002	O				0.01
105.500	0.00	0.00	0.002	O				0.01
105.583	0.00	0.00	0.002	O				0.01
105.667	0.00	0.00	0.002	O				0.01
105.750	0.00	0.00	0.002	O				0.01
105.833	0.00	0.00	0.002	O				0.01
105.917	0.00	0.00	0.002	O				0.01
106.000	0.00	0.00	0.002	O				0.01
106.083	0.00	0.00	0.002	O				0.01
106.167	0.00	0.00	0.002	O				0.01

106.250	0.00	0.00	0.002	O	|	|	|	0.01
106.333	0.00	0.00	0.002	O	|	|	|	0.01
106.417	0.00	0.00	0.002	O	|	|	|	0.01
106.500	0.00	0.00	0.002	O	|	|	|	0.01
106.583	0.00	0.00	0.002	O	|	|	|	0.01
106.667	0.00	0.00	0.002	O	|	|	|	0.01
106.750	0.00	0.00	0.002	O	|	|	|	0.01
106.833	0.00	0.00	0.002	O	|	|	|	0.01
106.917	0.00	0.00	0.002	O	|	|	|	0.01
107.000	0.00	0.00	0.002	O	|	|	|	0.01
107.083	0.00	0.00	0.002	O	|	|	|	0.01
107.167	0.00	0.00	0.002	O	|	|	|	0.01
107.250	0.00	0.00	0.002	O	|	|	|	0.01
107.333	0.00	0.00	0.002	O	|	|	|	0.01
107.417	0.00	0.00	0.002	O	|	|	|	0.01
107.500	0.00	0.00	0.002	O	|	|	|	0.01
107.583	0.00	0.00	0.002	O	|	|	|	0.01
107.667	0.00	0.00	0.002	O	|	|	|	0.01
107.750	0.00	0.00	0.002	O	|	|	|	0.01
107.833	0.00	0.00	0.002	O	|	|	|	0.01
107.917	0.00	0.00	0.002	O	|	|	|	0.01
108.000	0.00	0.00	0.002	O	|	|	|	0.01
108.083	0.00	0.00	0.002	O	|	|	|	0.01
108.167	0.00	0.00	0.002	O	|	|	|	0.01
108.250	0.00	0.00	0.002	O	|	|	|	0.00
108.333	0.00	0.00	0.002	O	|	|	|	0.00
108.417	0.00	0.00	0.002	O	|	|	|	0.00
108.500	0.00	0.00	0.002	O	|	|	|	0.00
108.583	0.00	0.00	0.002	O	|	|	|	0.00
108.667	0.00	0.00	0.002	O	|	|	|	0.00
108.750	0.00	0.00	0.002	O	|	|	|	0.00
108.833	0.00	0.00	0.002	O	|	|	|	0.00
108.917	0.00	0.00	0.002	O	|	|	|	0.00
109.000	0.00	0.00	0.002	O	|	|	|	0.00
109.083	0.00	0.00	0.002	O	|	|	|	0.00
109.167	0.00	0.00	0.002	O	|	|	|	0.00
109.250	0.00	0.00	0.001	O	|	|	|	0.00
109.333	0.00	0.00	0.001	O	|	|	|	0.00
109.417	0.00	0.00	0.001	O	|	|	|	0.00
109.500	0.00	0.00	0.001	O	|	|	|	0.00
109.583	0.00	0.00	0.001	O	|	|	|	0.00
109.667	0.00	0.00	0.001	O	|	|	|	0.00
109.750	0.00	0.00	0.001	O	|	|	|	0.00
109.833	0.00	0.00	0.001	O	|	|	|	0.00
109.917	0.00	0.00	0.001	O	|	|	|	0.00
110.000	0.00	0.00	0.001	O	|	|	|	0.00
110.083	0.00	0.00	0.001	O	|	|	|	0.00
110.167	0.00	0.00	0.001	O	|	|	|	0.00
110.250	0.00	0.00	0.001	O	|	|	|	0.00
110.333	0.00	0.00	0.001	O	|	|	|	0.00
110.417	0.00	0.00	0.001	O	|	|	|	0.00
110.500	0.00	0.00	0.001	O	|	|	|	0.00
110.583	0.00	0.00	0.001	O	|	|	|	0.00
110.667	0.00	0.00	0.001	O	|	|	|	0.00
110.750	0.00	0.00	0.001	O	|	|	|	0.00
110.833	0.00	0.00	0.001	O	|	|	|	0.00
110.917	0.00	0.00	0.001	O	|	|	|	0.00
111.000	0.00	0.00	0.001	O	|	|	|	0.00
111.083	0.00	0.00	0.001	O	|	|	|	0.00
111.167	0.00	0.00	0.001	O	|	|	|	0.00
111.250	0.00	0.00	0.001	O	|	|	|	0.00
111.333	0.00	0.00	0.001	O	|	|	|	0.00
111.417	0.00	0.00	0.001	O	|	|	|	0.00
111.500	0.00	0.00	0.001	O	|	|	|	0.00
111.583	0.00	0.00	0.001	O	|	|	|	0.00
111.667	0.00	0.00	0.001	O	|	|	|	0.00
111.750	0.00	0.00	0.001	O	|	|	|	0.00

111.833	0.00	0.00	0.001	O	|	|	|	|	0.00
111.917	0.00	0.00	0.001	O	|	|	|	|	0.00
112.000	0.00	0.00	0.001	O	|	|	|	|	0.00
112.083	0.00	0.00	0.001	O	|	|	|	|	0.00
112.167	0.00	0.00	0.001	O	|	|	|	|	0.00
112.250	0.00	0.00	0.001	O	|	|	|	|	0.00
112.333	0.00	0.00	0.001	O	|	|	|	|	0.00
112.417	0.00	0.00	0.001	O	|	|	|	|	0.00
112.500	0.00	0.00	0.001	O	|	|	|	|	0.00
112.583	0.00	0.00	0.001	O	|	|	|	|	0.00
112.667	0.00	0.00	0.001	O	|	|	|	|	0.00
112.750	0.00	0.00	0.001	O	|	|	|	|	0.00
112.833	0.00	0.00	0.001	O	|	|	|	|	0.00
112.917	0.00	0.00	0.001	O	|	|	|	|	0.00
113.000	0.00	0.00	0.001	O	|	|	|	|	0.00
113.083	0.00	0.00	0.001	O	|	|	|	|	0.00
113.167	0.00	0.00	0.001	O	|	|	|	|	0.00
113.250	0.00	0.00	0.001	O	|	|	|	|	0.00
113.333	0.00	0.00	0.001	O	|	|	|	|	0.00
113.417	0.00	0.00	0.001	O	|	|	|	|	0.00
113.500	0.00	0.00	0.001	O	|	|	|	|	0.00
113.583	0.00	0.00	0.001	O	|	|	|	|	0.00
113.667	0.00	0.00	0.001	O	|	|	|	|	0.00
113.750	0.00	0.00	0.001	O	|	|	|	|	0.00
113.833	0.00	0.00	0.001	O	|	|	|	|	0.00
113.917	0.00	0.00	0.001	O	|	|	|	|	0.00
114.000	0.00	0.00	0.001	O	|	|	|	|	0.00
114.083	0.00	0.00	0.001	O	|	|	|	|	0.00
114.167	0.00	0.00	0.001	O	|	|	|	|	0.00
114.250	0.00	0.00	0.001	O	|	|	|	|	0.00
114.333	0.00	0.00	0.001	O	|	|	|	|	0.00
114.417	0.00	0.00	0.001	O	|	|	|	|	0.00
114.500	0.00	0.00	0.001	O	|	|	|	|	0.00
114.583	0.00	0.00	0.001	O	|	|	|	|	0.00
114.667	0.00	0.00	0.001	O	|	|	|	|	0.00
114.750	0.00	0.00	0.001	O	|	|	|	|	0.00

```
**************************HYDROGRAPH DATA**************************
             Number of intervals =  1377
             Time interval =    5.0 (Min.)
             Maximum/Peak flow rate =        0.949 (CFS)
             Total volume =       2.844 (Ac.Ft)
      Status of hydrographs being held in storage
                 Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
      Peak (CFS)      0.000     0.000     0.000     0.000     0.000
      Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
*******************************************************************

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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/14/21 File: RVEG242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN G- EXISTING UNIT HYDROGRAPH
2YR-24HRS

Drainage Area = 22.43(Ac.) = 0.035 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 22.43(Ac.) = 0.035 Sq. Mi.
Length along longest watercourse = 1071.00(Ft.)
Length along longest watercourse measured to centroid = 637.00(Ft.)
Length along longest watercourse = 0.203 Mi.
Length along longest watercourse measured to centroid = 0.121 Mi.
Difference in elevation = 126.80(Ft.)
Slope along watercourse = 625.1204 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.069 Hr.
Lag time = 4.14 Min.
25% of lag time = 1.03 Min.
40% of lag time = 1.66 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	2.70	60.56

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
22.43	7.00	157.01

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
22.430	84.00	0.000

Total Area Entered = 22.43(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

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AMC2 AMC-1     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
84.0  68.6      0.377     0.000        0.377       1.000      0.377
                                                  Sum (F) =   0.377
Area averaged mean soil loss (F) (In/Hr) =  0.377
Minimum soil loss rate ((In/Hr)) =  0.189
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
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            U n i t  H y d r o g r a p h
                   VALLEY S-Curve
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            Unit Hydrograph Data
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Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %            (CFS)
------------------------------------------------------------------------
        1   0.083        120.806         25.432              5.749
        2   0.167        241.613         48.693             11.007
        3   0.250        362.419         13.239              2.993
        4   0.333        483.225          5.987              1.353
        5   0.417        604.031          3.351              0.757
        6   0.500        724.838          1.907              0.431
        7   0.583        845.644          1.391              0.314
                                 Sum = 100.000   Sum=       22.605
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The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.669)		0.019	0.002
2	0.17	0.07	0.022	(0.666)		0.019	0.002
3	0.25	0.07	0.022	(0.663)		0.019	0.002
4	0.33	0.10	0.032	(0.661)		0.029	0.003
5	0.42	0.10	0.032	(0.658)		0.029	0.003
6	0.50	0.10	0.032	(0.656)		0.029	0.003
7	0.58	0.10	0.032	(0.653)		0.029	0.003
8	0.67	0.10	0.032	(0.651)		0.029	0.003
9	0.75	0.10	0.032	(0.648)		0.029	0.003
10	0.83	0.13	0.043	(0.645)		0.039	0.004
11	0.92	0.13	0.043	(0.643)		0.039	0.004
12	1.00	0.13	0.043	(0.640)		0.039	0.004
13	1.08	0.10	0.032	(0.638)		0.029	0.003
14	1.17	0.10	0.032	(0.635)		0.029	0.003
15	1.25	0.10	0.032	(0.633)		0.029	0.003
16	1.33	0.10	0.032	(0.630)		0.029	0.003
17	1.42	0.10	0.032	(0.628)		0.029	0.003
18	1.50	0.10	0.032	(0.625)		0.029	0.003
19	1.58	0.10	0.032	(0.623)		0.029	0.003
20	1.67	0.10	0.032	(0.620)		0.029	0.003
21	1.75	0.10	0.032	(0.618)		0.029	0.003
22	1.83	0.13	0.043	(0.615)		0.039	0.004
23	1.92	0.13	0.043	(0.613)		0.039	0.004
24	2.00	0.13	0.043	(0.610)		0.039	0.004
25	2.08	0.13	0.043	(0.608)		0.039	0.004
26	2.17	0.13	0.043	(0.605)		0.039	0.004
27	2.25	0.13	0.043	(0.603)		0.039	0.004
28	2.33	0.13	0.043	(0.600)		0.039	0.004
29	2.42	0.13	0.043	(0.598)		0.039	0.004
30	2.50	0.13	0.043	(0.596)		0.039	0.004
31	2.58	0.17	0.054	(0.593)		0.049	0.005
32	2.67	0.17	0.054	(0.591)		0.049	0.005
33	2.75	0.17	0.054	(0.588)		0.049	0.005
34	2.83	0.17	0.054	(0.586)		0.049	0.005

35	2.92	0.17	0.054	(0.583)	0.049	0.005
36	3.00	0.17	0.054	(0.581)	0.049	0.005
37	3.08	0.17	0.054	(0.579)	0.049	0.005
38	3.17	0.17	0.054	(0.576)	0.049	0.005
39	3.25	0.17	0.054	(0.574)	0.049	0.005
40	3.33	0.17	0.054	(0.571)	0.049	0.005
41	3.42	0.17	0.054	(0.569)	0.049	0.005
42	3.50	0.17	0.054	(0.567)	0.049	0.005
43	3.58	0.17	0.054	(0.564)	0.049	0.005
44	3.67	0.17	0.054	(0.562)	0.049	0.005
45	3.75	0.17	0.054	(0.560)	0.049	0.005
46	3.83	0.20	0.065	(0.557)	0.058	0.006
47	3.92	0.20	0.065	(0.555)	0.058	0.006
48	4.00	0.20	0.065	(0.553)	0.058	0.006
49	4.08	0.20	0.065	(0.550)	0.058	0.006
50	4.17	0.20	0.065	(0.548)	0.058	0.006
51	4.25	0.20	0.065	(0.546)	0.058	0.006
52	4.33	0.23	0.076	(0.543)	0.068	0.008
53	4.42	0.23	0.076	(0.541)	0.068	0.008
54	4.50	0.23	0.076	(0.539)	0.068	0.008
55	4.58	0.23	0.076	(0.536)	0.068	0.008
56	4.67	0.23	0.076	(0.534)	0.068	0.008
57	4.75	0.23	0.076	(0.532)	0.068	0.008
58	4.83	0.27	0.086	(0.529)	0.078	0.009
59	4.92	0.27	0.086	(0.527)	0.078	0.009
60	5.00	0.27	0.086	(0.525)	0.078	0.009
61	5.08	0.20	0.065	(0.522)	0.058	0.006
62	5.17	0.20	0.065	(0.520)	0.058	0.006
63	5.25	0.20	0.065	(0.518)	0.058	0.006
64	5.33	0.23	0.076	(0.516)	0.068	0.008
65	5.42	0.23	0.076	(0.513)	0.068	0.008
66	5.50	0.23	0.076	(0.511)	0.068	0.008
67	5.58	0.27	0.086	(0.509)	0.078	0.009
68	5.67	0.27	0.086	(0.507)	0.078	0.009
69	5.75	0.27	0.086	(0.504)	0.078	0.009
70	5.83	0.27	0.086	(0.502)	0.078	0.009
71	5.92	0.27	0.086	(0.500)	0.078	0.009
72	6.00	0.27	0.086	(0.498)	0.078	0.009
73	6.08	0.30	0.097	(0.496)	0.087	0.010
74	6.17	0.30	0.097	(0.493)	0.087	0.010
75	6.25	0.30	0.097	(0.491)	0.087	0.010
76	6.33	0.30	0.097	(0.489)	0.087	0.010
77	6.42	0.30	0.097	(0.487)	0.087	0.010
78	6.50	0.30	0.097	(0.485)	0.087	0.010
79	6.58	0.33	0.108	(0.482)	0.097	0.011
80	6.67	0.33	0.108	(0.480)	0.097	0.011
81	6.75	0.33	0.108	(0.478)	0.097	0.011
82	6.83	0.33	0.108	(0.476)	0.097	0.011
83	6.92	0.33	0.108	(0.474)	0.097	0.011
84	7.00	0.33	0.108	(0.472)	0.097	0.011
85	7.08	0.33	0.108	(0.469)	0.097	0.011
86	7.17	0.33	0.108	(0.467)	0.097	0.011
87	7.25	0.33	0.108	(0.465)	0.097	0.011
88	7.33	0.37	0.119	(0.463)	0.107	0.012
89	7.42	0.37	0.119	(0.461)	0.107	0.012
90	7.50	0.37	0.119	(0.459)	0.107	0.012
91	7.58	0.40	0.130	(0.457)	0.117	0.013
92	7.67	0.40	0.130	(0.455)	0.117	0.013
93	7.75	0.40	0.130	(0.453)	0.117	0.013
94	7.83	0.43	0.140	(0.450)	0.126	0.014
95	7.92	0.43	0.140	(0.448)	0.126	0.014
96	8.00	0.43	0.140	(0.446)	0.126	0.014
97	8.08	0.50	0.162	(0.444)	0.146	0.016
98	8.17	0.50	0.162	(0.442)	0.146	0.016
99	8.25	0.50	0.162	(0.440)	0.146	0.016
100	8.33	0.50	0.162	(0.438)	0.146	0.016
101	8.42	0.50	0.162	(0.436)	0.146	0.016

102	8.50	0.50	0.162	(0.434)	0.146	0.016
103	8.58	0.53	0.173	(0.432)	0.156	0.017
104	8.67	0.53	0.173	(0.430)	0.156	0.017
105	8.75	0.53	0.173	(0.428)	0.156	0.017
106	8.83	0.57	0.184	(0.426)	0.165	0.018
107	8.92	0.57	0.184	(0.424)	0.165	0.018
108	9.00	0.57	0.184	(0.422)	0.165	0.018
109	9.08	0.63	0.205	(0.420)	0.185	0.021
110	9.17	0.63	0.205	(0.418)	0.185	0.021
111	9.25	0.63	0.205	(0.416)	0.185	0.021
112	9.33	0.67	0.216	(0.414)	0.194	0.022
113	9.42	0.67	0.216	(0.412)	0.194	0.022
114	9.50	0.67	0.216	(0.410)	0.194	0.022
115	9.58	0.70	0.227	(0.408)	0.204	0.023
116	9.67	0.70	0.227	(0.406)	0.204	0.023
117	9.75	0.70	0.227	(0.404)	0.204	0.023
118	9.83	0.73	0.238	(0.402)	0.214	0.024
119	9.92	0.73	0.238	(0.400)	0.214	0.024
120	10.00	0.73	0.238	(0.398)	0.214	0.024
121	10.08	0.50	0.162	(0.396)	0.146	0.016
122	10.17	0.50	0.162	(0.394)	0.146	0.016
123	10.25	0.50	0.162	(0.392)	0.146	0.016
124	10.33	0.50	0.162	(0.391)	0.146	0.016
125	10.42	0.50	0.162	(0.389)	0.146	0.016
126	10.50	0.50	0.162	(0.387)	0.146	0.016
127	10.58	0.67	0.216	(0.385)	0.194	0.022
128	10.67	0.67	0.216	(0.383)	0.194	0.022
129	10.75	0.67	0.216	(0.381)	0.194	0.022
130	10.83	0.67	0.216	(0.379)	0.194	0.022
131	10.92	0.67	0.216	(0.377)	0.194	0.022
132	11.00	0.67	0.216	(0.376)	0.194	0.022
133	11.08	0.63	0.205	(0.374)	0.185	0.021
134	11.17	0.63	0.205	(0.372)	0.185	0.021
135	11.25	0.63	0.205	(0.370)	0.185	0.021
136	11.33	0.63	0.205	(0.368)	0.185	0.021
137	11.42	0.63	0.205	(0.366)	0.185	0.021
138	11.50	0.63	0.205	(0.365)	0.185	0.021
139	11.58	0.57	0.184	(0.363)	0.165	0.018
140	11.67	0.57	0.184	(0.361)	0.165	0.018
141	11.75	0.57	0.184	(0.359)	0.165	0.018
142	11.83	0.60	0.194	(0.357)	0.175	0.019
143	11.92	0.60	0.194	(0.356)	0.175	0.019
144	12.00	0.60	0.194	(0.354)	0.175	0.019
145	12.08	0.83	0.270	(0.352)	0.243	0.027
146	12.17	0.83	0.270	(0.350)	0.243	0.027
147	12.25	0.83	0.270	(0.349)	0.243	0.027
148	12.33	0.87	0.281	(0.347)	0.253	0.028
149	12.42	0.87	0.281	(0.345)	0.253	0.028
150	12.50	0.87	0.281	(0.343)	0.253	0.028
151	12.58	0.93	0.302	(0.342)	0.272	0.030
152	12.67	0.93	0.302	(0.340)	0.272	0.030
153	12.75	0.93	0.302	(0.338)	0.272	0.030
154	12.83	0.97	0.313	(0.336)	0.282	0.031
155	12.92	0.97	0.313	(0.335)	0.282	0.031
156	13.00	0.97	0.313	(0.333)	0.282	0.031
157	13.08	1.13	0.367	(0.331)	0.330	0.037
158	13.17	1.13	0.367	0.330	(0.330)	0.038
159	13.25	1.13	0.367	0.328	(0.330)	0.039
160	13.33	1.13	0.367	0.326	(0.330)	0.041
161	13.42	1.13	0.367	0.325	(0.330)	0.043
162	13.50	1.13	0.367	0.323	(0.330)	0.044
163	13.58	0.77	0.248	(0.321)	0.224	0.025
164	13.67	0.77	0.248	(0.320)	0.224	0.025
165	13.75	0.77	0.248	(0.318)	0.224	0.025
166	13.83	0.77	0.248	(0.316)	0.224	0.025
167	13.92	0.77	0.248	(0.315)	0.224	0.025
168	14.00	0.77	0.248	(0.313)	0.224	0.025

169	14.08	0.90	0.292	(0.312)	0.262	0.029
170	14.17	0.90	0.292	(0.310)	0.262	0.029
171	14.25	0.90	0.292	(0.308)	0.262	0.029
172	14.33	0.87	0.281	(0.307)	0.253	0.028
173	14.42	0.87	0.281	(0.305)	0.253	0.028
174	14.50	0.87	0.281	(0.304)	0.253	0.028
175	14.58	0.87	0.281	(0.302)	0.253	0.028
176	14.67	0.87	0.281	(0.301)	0.253	0.028
177	14.75	0.87	0.281	(0.299)	0.253	0.028
178	14.83	0.83	0.270	(0.298)	0.243	0.027
179	14.92	0.83	0.270	(0.296)	0.243	0.027
180	15.00	0.83	0.270	(0.295)	0.243	0.027
181	15.08	0.80	0.259	(0.293)	0.233	0.026
182	15.17	0.80	0.259	(0.292)	0.233	0.026
183	15.25	0.80	0.259	(0.290)	0.233	0.026
184	15.33	0.77	0.248	(0.289)	0.224	0.025
185	15.42	0.77	0.248	(0.287)	0.224	0.025
186	15.50	0.77	0.248	(0.286)	0.224	0.025
187	15.58	0.63	0.205	(0.284)	0.185	0.021
188	15.67	0.63	0.205	(0.283)	0.185	0.021
189	15.75	0.63	0.205	(0.281)	0.185	0.021
190	15.83	0.63	0.205	(0.280)	0.185	0.021
191	15.92	0.63	0.205	(0.278)	0.185	0.021
192	16.00	0.63	0.205	(0.277)	0.185	0.021
193	16.08	0.13	0.043	(0.276)	0.039	0.004
194	16.17	0.13	0.043	(0.274)	0.039	0.004
195	16.25	0.13	0.043	(0.273)	0.039	0.004
196	16.33	0.13	0.043	(0.271)	0.039	0.004
197	16.42	0.13	0.043	(0.270)	0.039	0.004
198	16.50	0.13	0.043	(0.269)	0.039	0.004
199	16.58	0.10	0.032	(0.267)	0.029	0.003
200	16.67	0.10	0.032	(0.266)	0.029	0.003
201	16.75	0.10	0.032	(0.264)	0.029	0.003
202	16.83	0.10	0.032	(0.263)	0.029	0.003
203	16.92	0.10	0.032	(0.262)	0.029	0.003
204	17.00	0.10	0.032	(0.260)	0.029	0.003
205	17.08	0.17	0.054	(0.259)	0.049	0.005
206	17.17	0.17	0.054	(0.258)	0.049	0.005
207	17.25	0.17	0.054	(0.257)	0.049	0.005
208	17.33	0.17	0.054	(0.255)	0.049	0.005
209	17.42	0.17	0.054	(0.254)	0.049	0.005
210	17.50	0.17	0.054	(0.253)	0.049	0.005
211	17.58	0.17	0.054	(0.251)	0.049	0.005
212	17.67	0.17	0.054	(0.250)	0.049	0.005
213	17.75	0.17	0.054	(0.249)	0.049	0.005
214	17.83	0.13	0.043	(0.248)	0.039	0.004
215	17.92	0.13	0.043	(0.247)	0.039	0.004
216	18.00	0.13	0.043	(0.245)	0.039	0.004
217	18.08	0.13	0.043	(0.244)	0.039	0.004
218	18.17	0.13	0.043	(0.243)	0.039	0.004
219	18.25	0.13	0.043	(0.242)	0.039	0.004
220	18.33	0.13	0.043	(0.241)	0.039	0.004
221	18.42	0.13	0.043	(0.239)	0.039	0.004
222	18.50	0.13	0.043	(0.238)	0.039	0.004
223	18.58	0.10	0.032	(0.237)	0.029	0.003
224	18.67	0.10	0.032	(0.236)	0.029	0.003
225	18.75	0.10	0.032	(0.235)	0.029	0.003
226	18.83	0.07	0.022	(0.234)	0.019	0.002
227	18.92	0.07	0.022	(0.233)	0.019	0.002
228	19.00	0.07	0.022	(0.231)	0.019	0.002
229	19.08	0.10	0.032	(0.230)	0.029	0.003
230	19.17	0.10	0.032	(0.229)	0.029	0.003
231	19.25	0.10	0.032	(0.228)	0.029	0.003
232	19.33	0.13	0.043	(0.227)	0.039	0.004
233	19.42	0.13	0.043	(0.226)	0.039	0.004
234	19.50	0.13	0.043	(0.225)	0.039	0.004
235	19.58	0.10	0.032	(0.224)	0.029	0.003

236	19.67	0.10	0.032	(0.223)	0.029	0.003
237	19.75	0.10	0.032	(0.222)	0.029	0.003
238	19.83	0.07	0.022	(0.221)	0.019	0.002
239	19.92	0.07	0.022	(0.220)	0.019	0.002
240	20.00	0.07	0.022	(0.219)	0.019	0.002
241	20.08	0.10	0.032	(0.218)	0.029	0.003
242	20.17	0.10	0.032	(0.217)	0.029	0.003
243	20.25	0.10	0.032	(0.216)	0.029	0.003
244	20.33	0.10	0.032	(0.215)	0.029	0.003
245	20.42	0.10	0.032	(0.214)	0.029	0.003
246	20.50	0.10	0.032	(0.213)	0.029	0.003
247	20.58	0.10	0.032	(0.212)	0.029	0.003
248	20.67	0.10	0.032	(0.212)	0.029	0.003
249	20.75	0.10	0.032	(0.211)	0.029	0.003
250	20.83	0.07	0.022	(0.210)	0.019	0.002
251	20.92	0.07	0.022	(0.209)	0.019	0.002
252	21.00	0.07	0.022	(0.208)	0.019	0.002
253	21.08	0.10	0.032	(0.207)	0.029	0.003
254	21.17	0.10	0.032	(0.207)	0.029	0.003
255	21.25	0.10	0.032	(0.206)	0.029	0.003
256	21.33	0.07	0.022	(0.205)	0.019	0.002
257	21.42	0.07	0.022	(0.204)	0.019	0.002
258	21.50	0.07	0.022	(0.203)	0.019	0.002
259	21.58	0.10	0.032	(0.203)	0.029	0.003
260	21.67	0.10	0.032	(0.202)	0.029	0.003
261	21.75	0.10	0.032	(0.201)	0.029	0.003
262	21.83	0.07	0.022	(0.200)	0.019	0.002
263	21.92	0.07	0.022	(0.200)	0.019	0.002
264	22.00	0.07	0.022	(0.199)	0.019	0.002
265	22.08	0.10	0.032	(0.198)	0.029	0.003
266	22.17	0.10	0.032	(0.198)	0.029	0.003
267	22.25	0.10	0.032	(0.197)	0.029	0.003
268	22.33	0.07	0.022	(0.197)	0.019	0.002
269	22.42	0.07	0.022	(0.196)	0.019	0.002
270	22.50	0.07	0.022	(0.195)	0.019	0.002
271	22.58	0.07	0.022	(0.195)	0.019	0.002
272	22.67	0.07	0.022	(0.194)	0.019	0.002
273	22.75	0.07	0.022	(0.194)	0.019	0.002
274	22.83	0.07	0.022	(0.193)	0.019	0.002
275	22.92	0.07	0.022	(0.193)	0.019	0.002
276	23.00	0.07	0.022	(0.192)	0.019	0.002
277	23.08	0.07	0.022	(0.192)	0.019	0.002
278	23.17	0.07	0.022	(0.191)	0.019	0.002
279	23.25	0.07	0.022	(0.191)	0.019	0.002
280	23.33	0.07	0.022	(0.191)	0.019	0.002
281	23.42	0.07	0.022	(0.190)	0.019	0.002
282	23.50	0.07	0.022	(0.190)	0.019	0.002
283	23.58	0.07	0.022	(0.190)	0.019	0.002
284	23.67	0.07	0.022	(0.189)	0.019	0.002
285	23.75	0.07	0.022	(0.189)	0.019	0.002
286	23.83	0.07	0.022	(0.189)	0.019	0.002
287	23.92	0.07	0.022	(0.189)	0.019	0.002
288	24.00	0.07	0.022	(0.189)	0.019	0.002

(Loss Rate Not Used)

Sum = 100.0 Sum = 3.3

Flood volume = Effective rainfall 0.27(In)
times area 22.4(Ac.)/[(In)/(Ft.)] = 0.5(Ac.Ft)
Total soil loss = 2.43(In)
Total soil loss = 4.539(Ac.Ft)
Total rainfall = 2.70(In)
Flood volume = 22123.1 Cubic Feet
Total soil loss = 197703.7 Cubic Feet

Peak flow rate of this hydrograph = 0.952(CFS)

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24 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 2.5 5.0 7.5 10.0
0+ 5	0.0001	0.01	Q
0+10	0.0003	0.04	Q
0+15	0.0006	0.04	Q
0+20	0.0010	0.05	Q
0+25	0.0014	0.07	Q
0+30	0.0019	0.07	Q
0+35	0.0024	0.07	Q
0+40	0.0029	0.07	Q
0+45	0.0034	0.07	Q
0+50	0.0040	0.08	Q
0+55	0.0046	0.09	Q
1+ 0	0.0052	0.09	Q
1+ 5	0.0059	0.09	Q
1+10	0.0064	0.08	Q
1+15	0.0069	0.08	Q
1+20	0.0074	0.07	Q
1+25	0.0079	0.07	Q
1+30	0.0085	0.07	Q
1+35	0.0090	0.07	Q
1+40	0.0095	0.07	Q
1+45	0.0100	0.07	Q
1+50	0.0105	0.08	Q
1+55	0.0111	0.09	Q
2+ 0	0.0118	0.09	Q
2+ 5	0.0125	0.10	Q
2+10	0.0131	0.10	QV
2+15	0.0138	0.10	QV
2+20	0.0145	0.10	QV
2+25	0.0151	0.10	QV
2+30	0.0158	0.10	QV
2+35	0.0165	0.10	QV
2+40	0.0173	0.12	QV
2+45	0.0181	0.12	QV
2+50	0.0190	0.12	QV
2+55	0.0198	0.12	QV
3+ 0	0.0207	0.12	QV
3+ 5	0.0215	0.12	QV
3+10	0.0223	0.12	QV
3+15	0.0232	0.12	QV
3+20	0.0240	0.12	QV
3+25	0.0249	0.12	QV
3+30	0.0257	0.12	Q V
3+35	0.0265	0.12	Q V
3+40	0.0274	0.12	Q V
3+45	0.0282	0.12	Q V
3+50	0.0291	0.13	Q V
3+55	0.0301	0.14	Q V
4+ 0	0.0311	0.14	Q V
4+ 5	0.0321	0.14	Q V
4+10	0.0331	0.15	Q V
4+15	0.0341	0.15	Q V
4+20	0.0351	0.15	Q V
4+25	0.0363	0.16	Q V
4+30	0.0374	0.17	Q V
4+35	0.0386	0.17	Q V
4+40	0.0398	0.17	Q V
4+45	0.0409	0.17	Q V
4+50	0.0421	0.18	Q V
4+55	0.0434	0.19	Q V
5+ 0	0.0448	0.19	Q V

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 5+ 5       0.0460      0.18  Q  V      |          |          |          |
 5+10       0.0471      0.16  Q  V      |          |          |          |
 5+15       0.0482      0.15  Q  V      |          |          |          |
 5+20       0.0492      0.16  Q  V      |          |          |          |
 5+25       0.0504      0.17  Q  V      |          |          |          |
 5+30       0.0515      0.17  Q   V     |          |          |          |
 5+35       0.0528      0.18  Q   V     |          |          |          |
 5+40       0.0540      0.19  Q   V     |          |          |          |
 5+45       0.0554      0.19  Q   V     |          |          |          |
 5+50       0.0567      0.19  Q   V     |          |          |          |
 5+55       0.0580      0.19  Q   V     |          |          |          |
 6+ 0       0.0594      0.20  Q   V     |          |          |          |
 6+ 5       0.0608      0.20  Q   V     |          |          |          |
 6+10       0.0622      0.21  Q   V     |          |          |          |
 6+15       0.0637      0.22  Q    V    |          |          |          |
 6+20       0.0652      0.22  Q    V    |          |          |          |
 6+25       0.0668      0.22  Q    V    |          |          |          |
 6+30       0.0683      0.22  Q    V    |          |          |          |
 6+35       0.0698      0.23  Q    V    |          |          |          |
 6+40       0.0715      0.24  Q    V    |          |          |          |
 6+45       0.0731      0.24  Q    V    |          |          |          |
 6+50       0.0748      0.24  Q    V    |          |          |          |
 6+55       0.0765      0.24  Q     V   |          |          |          |
 7+ 0       0.0781      0.24  Q     V   |          |          |          |
 7+ 5       0.0798      0.24  Q     V   |          |          |          |
 7+10       0.0815      0.24  Q     V   |          |          |          |
 7+15       0.0832      0.24  Q     V   |          |          |          |
 7+20       0.0849      0.25  |Q    V   |          |          |          |
 7+25       0.0867      0.26  |Q    V   |          |          |          |
 7+30       0.0886      0.27  |Q    V   |          |          |          |
 7+35       0.0904      0.27  |Q     V  |          |          |          |
 7+40       0.0924      0.29  |Q     V  |          |          |          |
 7+45       0.0944      0.29  |Q     V  |          |          |          |
 7+50       0.0965      0.30  |Q     V  |          |          |          |
 7+55       0.0986      0.31  |Q     V  |          |          |          |
 8+ 0       0.1008      0.31  |Q     V  |          |          |          |
 8+ 5       0.1030      0.33  |Q      V |          |          |          |
 8+10       0.1054      0.35  |Q      V |          |          |          |
 8+15       0.1079      0.36  |Q      V |          |          |          |
 8+20       0.1104      0.36  |Q      V |          |          |          |
 8+25       0.1129      0.36  |Q      V |          |          |          |
 8+30       0.1155      0.37  |Q       V|          |          |          |
 8+35       0.1180      0.37  |Q       V|          |          |          |
 8+40       0.1207      0.38  |Q       V|          |          |          |
 8+45       0.1233      0.39  |Q       V|          |          |          |
 8+50       0.1261      0.40  |Q       V|          |          |          |
 8+55       0.1289      0.41  |Q        V          |          |          |
 9+ 0       0.1317      0.41  |Q        V          |          |          |
 9+ 5       0.1346      0.43  |Q        V          |          |          |
 9+10       0.1377      0.45  |Q        V          |          |          |
 9+15       0.1409      0.46  |Q        |V         |          |          |
 9+20       0.1441      0.47  |Q        |V         |          |          |
 9+25       0.1474      0.48  |Q        |V         |          |          |
 9+30       0.1508      0.48  |Q        |V         |          |          |
 9+35       0.1542      0.49  |Q        | V        |          |          |
 9+40       0.1576      0.51  | Q       | V        |          |          |
 9+45       0.1612      0.51  | Q       | V        |          |          |
 9+50       0.1647      0.52  | Q       | V        |          |          |
 9+55       0.1684      0.53  | Q       |  V       |          |          |
10+ 0       0.1720      0.53  | Q       |  V       |          |          |
10+ 5       0.1754      0.49  |Q        |  V       |          |          |
10+10       0.1783      0.41  |Q        |   V      |          |          |
10+15       0.1809      0.39  |Q        |   V      |          |          |
10+20       0.1835      0.38  |Q        |   V      |          |          |
10+25       0.1861      0.37  |Q        |   V      |          |          |
10+30       0.1886      0.37  |Q        |   V      |          |          |
10+35       0.1914      0.40  |Q        |    V     |          |          |
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10+40       0.1945      0.46  |Q        |    V    |         |         |
10+45       0.1978      0.47  |Q        |    V    |         |         |
10+50       0.2011      0.48  |Q        |    V    |         |         |
10+55       0.2044      0.48  |Q        |     V   |         |         |
11+ 0       0.2078      0.49  |Q        |     V   |         |         |
11+ 5       0.2111      0.48  |Q        |     V   |         |         |
11+10       0.2143      0.47  |Q        |     V   |         |         |
11+15       0.2175      0.47  |Q        |      V  |         |         |
11+20       0.2208      0.47  |Q        |      V  |         |         |
11+25       0.2240      0.46  |Q        |      V  |         |         |
11+30       0.2272      0.46  |Q        |      V  |         |         |
11+35       0.2303      0.45  |Q        |       V |         |         |
11+40       0.2332      0.43  |Q        |       V |         |         |
11+45       0.2361      0.42  |Q        |       V |         |         |
11+50       0.2390      0.42  |Q        |       V |         |         |
11+55       0.2420      0.43  |Q        |        V|         |         |
12+ 0       0.2450      0.44  |Q        |        V|         |         |
12+ 5       0.2484      0.48  |Q        |        V|         |         |
12+10       0.2523      0.57  | Q       |        V|         |         |
12+15       0.2563      0.59  | Q       |         V         |         |
12+20       0.2605      0.61  | Q       |         V         |         |
12+25       0.2648      0.62  | Q       |         V         |         |
12+30       0.2691      0.63  | Q       |         |V        |         |
12+35       0.2736      0.65  | Q       |         |V        |         |
12+40       0.2782      0.67  | Q       |         |V        |         |
12+45       0.2828      0.68  | Q       |         | V       |         |
12+50       0.2876      0.69  | Q       |         | V       |         |
12+55       0.2924      0.70  | Q       |         |  V      |         |
13+ 0       0.2972      0.70  | Q       |         |  V      |         |
13+ 5       0.3023      0.74  | Q       |         |  V      |         |
13+10       0.3079      0.80  |  Q      |         |   V     |         |
13+15       0.3136      0.84  |  Q      |         |   V     |         |
13+20       0.3197      0.88  |  Q      |         |    V    |         |
13+25       0.3260      0.91  |  Q      |         |    V    |         |
13+30       0.3325      0.95  |  Q      |         |     V   |         |
13+35       0.3385      0.87  |  Q      |         |     V   |         |
13+40       0.3431      0.67  | Q       |         |      V  |         |
13+45       0.3473      0.61  | Q       |         |      V  |         |
13+50       0.3514      0.59  | Q       |         |      V  |         |
13+55       0.3553      0.58  | Q       |         |      V  |         |
14+ 0       0.3592      0.57  | Q       |         |       V |         |
14+ 5       0.3633      0.59  | Q       |         |       V |         |
14+10       0.3676      0.63  | Q       |         |       V |         |
14+15       0.3721      0.65  | Q       |         |        V|         |
14+20       0.3766      0.65  | Q       |         |        V|         |
14+25       0.3809      0.64  | Q       |         |         V         |
14+30       0.3853      0.64  | Q       |         |         V         |
14+35       0.3897      0.64  | Q       |         |         V         |
14+40       0.3941      0.64  | Q       |         |         |V        |
14+45       0.3985      0.64  | Q       |         |         |V        |
14+50       0.4028      0.63  | Q       |         |         |V        |
14+55       0.4071      0.62  | Q       |         |         | V       |
15+ 0       0.4113      0.61  | Q       |         |         | V       |
15+ 5       0.4155      0.61  | Q       |         |         | V       |
15+10       0.4195      0.59  | Q       |         |         |  V      |
15+15       0.4236      0.59  | Q       |         |         |  V      |
15+20       0.4276      0.58  | Q       |         |         |  V      |
15+25       0.4315      0.57  | Q       |         |         |  V      |
15+30       0.4354      0.57  | Q       |         |         |   V     |
15+35       0.4391      0.54  | Q       |         |         |   V     |
15+40       0.4425      0.49  |Q        |         |         |   V     |
15+45       0.4458      0.48  |Q        |         |         |    V    |
15+50       0.4490      0.47  |Q        |         |         |    V    |
15+55       0.4522      0.47  |Q        |         |         |    V    |
16+ 0       0.4555      0.47  |Q        |         |         |    V    |
16+ 5       0.4580      0.37  |Q        |         |         |     V   |
16+10       0.4593      0.19  Q        |         |         |     V   |
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16+15       0.4603      0.14  Q          |          |          |     V    |
16+20       0.4612      0.12  Q          |          |          |     V    |
16+25       0.4619      0.11  Q          |          |          |     V    |
16+30       0.4626      0.10  Q          |          |          |     V    |
16+35       0.4633      0.09  Q          |          |          |     V    |
16+40       0.4638      0.08  Q          |          |          |     V    |
16+45       0.4643      0.08  Q          |          |          |     V    |
16+50       0.4648      0.07  Q          |          |          |     V    |
16+55       0.4654      0.07  Q          |          |          |     V    |
17+ 0       0.4659      0.07  Q          |          |          |     V    |
17+ 5       0.4665      0.09  Q          |          |          |     V    |
17+10       0.4672      0.11  Q          |          |          |     V    |
17+15       0.4680      0.12  Q          |          |          |     V    |
17+20       0.4688      0.12  Q          |          |          |     V    |
17+25       0.4697      0.12  Q          |          |          |     V    |
17+30       0.4705      0.12  Q          |          |          |      V   |
17+35       0.4713      0.12  Q          |          |          |      V   |
17+40       0.4722      0.12  Q          |          |          |      V   |
17+45       0.4730      0.12  Q          |          |          |      V   |
17+50       0.4738      0.12  Q          |          |          |      V   |
17+55       0.4745      0.10  Q          |          |          |      V   |
18+ 0       0.4752      0.10  Q          |          |          |      V   |
18+ 5       0.4759      0.10  Q          |          |          |      V   |
18+10       0.4766      0.10  Q          |          |          |      V   |
18+15       0.4773      0.10  Q          |          |          |      V   |
18+20       0.4779      0.10  Q          |          |          |      V   |
18+25       0.4786      0.10  Q          |          |          |      V   |
18+30       0.4793      0.10  Q          |          |          |      V   |
18+35       0.4799      0.09  Q          |          |          |      V   |
18+40       0.4805      0.08  Q          |          |          |      V   |
18+45       0.4810      0.08  Q          |          |          |      V   |
18+50       0.4815      0.07  Q          |          |          |      V   |
18+55       0.4818      0.06  Q          |          |          |      V   |
19+ 0       0.4822      0.05  Q          |          |          |      V   |
19+ 5       0.4826      0.06  Q          |          |          |       V  |
19+10       0.4831      0.07  Q          |          |          |       V  |
19+15       0.4835      0.07  Q          |          |          |       V  |
19+20       0.4841      0.08  Q          |          |          |       V  |
19+25       0.4847      0.09  Q          |          |          |       V  |
19+30       0.4854      0.09  Q          |          |          |       V  |
19+35       0.4860      0.09  Q          |          |          |       V  |
19+40       0.4865      0.08  Q          |          |          |       V  |
19+45       0.4870      0.08  Q          |          |          |       V  |
19+50       0.4875      0.07  Q          |          |          |       V  |
19+55       0.4879      0.06  Q          |          |          |       V  |
20+ 0       0.4883      0.05  Q          |          |          |       V  |
20+ 5       0.4887      0.06  Q          |          |          |       V  |
20+10       0.4891      0.07  Q          |          |          |       V  |
20+15       0.4896      0.07  Q          |          |          |       V  |
20+20       0.4901      0.07  Q          |          |          |       V  |
20+25       0.4906      0.07  Q          |          |          |       V  |
20+30       0.4911      0.07  Q          |          |          |       V  |
20+35       0.4916      0.07  Q          |          |          |       V  |
20+40       0.4921      0.07  Q          |          |          |       V  |
20+45       0.4926      0.07  Q          |          |          |       V  |
20+50       0.4931      0.07  Q          |          |          |       V  |
20+55       0.4935      0.06  Q          |          |          |       V  |
21+ 0       0.4938      0.05  Q          |          |          |       V  |
21+ 5       0.4942      0.06  Q          |          |          |       V  |
21+10       0.4947      0.07  Q          |          |          |       V  |
21+15       0.4952      0.07  Q          |          |          |       V  |
21+20       0.4956      0.07  Q          |          |          |        V |
21+25       0.4960      0.05  Q          |          |          |        V |
21+30       0.4963      0.05  Q          |          |          |        V |
21+35       0.4967      0.06  Q          |          |          |        V |
21+40       0.4972      0.07  Q          |          |          |        V |
21+45       0.4977      0.07  Q          |          |          |        V |
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21+50	0.4981	0.07	Q	|	|	|	V|
21+55	0.4985	0.05	Q	|	|	|	V|
22+ 0	0.4989	0.05	Q	|	|	|	V|
22+ 5	0.4992	0.06	Q	|	|	|	V|
22+10	0.4997	0.07	Q	|	|	|	V|
22+15	0.5002	0.07	Q	|	|	|	V|
22+20	0.5007	0.07	Q	|	|	|	V|
22+25	0.5010	0.05	Q	|	|	|	V|
22+30	0.5014	0.05	Q	|	|	|	V|
22+35	0.5017	0.05	Q	|	|	|	V|
22+40	0.5021	0.05	Q	|	|	|	V|
22+45	0.5024	0.05	Q	|	|	|	V|
22+50	0.5027	0.05	Q	|	|	|	V|
22+55	0.5031	0.05	Q	|	|	|	V|
23+ 0	0.5034	0.05	Q	|	|	|	V|
23+ 5	0.5038	0.05	Q	|	|	|	V|
23+10	0.5041	0.05	Q	|	|	|	V|
23+15	0.5044	0.05	Q	|	|	|	V|
23+20	0.5048	0.05	Q	|	|	|	V|
23+25	0.5051	0.05	Q	|	|	|	V|
23+30	0.5054	0.05	Q	|	|	|	V|
23+35	0.5058	0.05	Q	|	|	|	V|
23+40	0.5061	0.05	Q	|	|	|	V|
23+45	0.5064	0.05	Q	|	|	|	V|
23+50	0.5068	0.05	Q	|	|	|	V|
23+55	0.5071	0.05	Q	|	|	|	V|
24+ 0	0.5075	0.05	Q	|	|	|	V|
24+ 5	0.5077	0.04	Q	|	|	|	V|
24+10	0.5078	0.01	Q	|	|	|	V|
24+15	0.5078	0.01	Q	|	|	|	V|
24+20	0.5079	0.00	Q	|	|	|	V|
24+25	0.5079	0.00	Q	|	|	|	V|
24+30	0.5079	0.00	Q	|	|	|	V

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRG242.rte

**********HYDROGRAPH DATA**********

Number of intervals = 291
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 6.238 (CFS)
Total volume = 3.791 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN G- ROUTING
2YR-24HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 291
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.380	0.290	0.379	0.381
2.000	0.810	0.440	0.808	0.812
3.000	1.300	0.550	1.298	1.302
4.000	1.840	0.650	1.838	1.842
5.000	2.440	0.730	2.437	2.443
6.000	3.100	0.800	3.097	3.103
7.000	3.820	1.470	3.815	3.825
8.000	4.610	25.330	4.523	4.697
9.000	5.500	124.380	5.072	5.928

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 1.6 3.12 4.68 6.24	Depth (Ft.)
0.083	0.17	0.00	0.001	O | | | |	0.00

0.167	0.32	0.00	0.002	OI	|	|	|	0.01
0.250	0.35	0.00	0.005	OI	|	|	|	0.01
0.333	0.45	0.01	0.007	O I	|	|	|	0.02
0.417	0.53	0.01	0.011	O I	|	|	|	0.03
0.500	0.54	0.01	0.014	O I	|	|	|	0.04
0.583	0.55	0.01	0.018	O I	|	|	|	0.05
0.667	0.55	0.02	0.022	O I	|	|	|	0.06
0.750	0.55	0.02	0.025	O I	|	|	|	0.07
0.833	0.64	0.02	0.029	O I	|	|	|	0.08
0.917	0.71	0.03	0.034	O I	|	|	|	0.09
1.000	0.73	0.03	0.039	O I	|	|	|	0.10
1.083	0.65	0.03	0.043	O I	|	|	|	0.11
1.167	0.57	0.04	0.047	O I	|	|	|	0.12
1.250	0.56	0.04	0.051	O I	|	|	|	0.13
1.333	0.55	0.04	0.054	O I	|	|	|	0.14
1.417	0.55	0.04	0.058	O I	|	|	|	0.15
1.500	0.55	0.05	0.061	O I	|	|	|	0.16
1.583	0.55	0.05	0.065	O I	|	|	|	0.17
1.667	0.55	0.05	0.068	O I	|	|	|	0.18
1.750	0.55	0.05	0.071	O I	|	|	|	0.19
1.833	0.64	0.06	0.075	O I	|	|	|	0.20
1.917	0.71	0.06	0.079	O I	|	|	|	0.21
2.000	0.73	0.06	0.084	O I	|	|	|	0.22
2.083	0.73	0.07	0.089	O I	|	|	|	0.23
2.167	0.73	0.07	0.093	O I	|	|	|	0.25
2.250	0.73	0.07	0.098	O I	|	|	|	0.26
2.333	0.73	0.08	0.102	O I	|	|	|	0.27
2.417	0.73	0.08	0.107	O I	|	|	|	0.28
2.500	0.73	0.08	0.111	O I	|	|	|	0.29
2.583	0.82	0.09	0.116	O I	|	|	|	0.31
2.667	0.90	0.09	0.121	O I	|	|	|	0.32
2.750	0.91	0.10	0.127	O I	|	|	|	0.33
2.833	0.92	0.10	0.132	O I	|	|	|	0.35
2.917	0.92	0.11	0.138	O I	|	|	|	0.36
3.000	0.92	0.11	0.144	O I	|	|	|	0.38
3.083	0.92	0.11	0.149	O I	|	|	|	0.39
3.167	0.92	0.12	0.155	O I	|	|	|	0.41
3.250	0.92	0.12	0.160	O I	|	|	|	0.42
3.333	0.92	0.13	0.166	O I	|	|	|	0.44
3.417	0.92	0.13	0.171	O I	|	|	|	0.45
3.500	0.92	0.13	0.176	O I	|	|	|	0.46
3.583	0.92	0.14	0.182	O I	|	|	|	0.48
3.667	0.92	0.14	0.187	O I	|	|	|	0.49
3.750	0.92	0.15	0.192	O I	|	|	|	0.51
3.833	1.00	0.15	0.198	O I	|	|	|	0.52
3.917	1.08	0.16	0.204	O I	|	|	|	0.54
4.000	1.09	0.16	0.211	O I	|	|	|	0.55
4.083	1.10	0.17	0.217	O I	|	|	|	0.57
4.167	1.10	0.17	0.223	O I	|	|	|	0.59
4.250	1.10	0.18	0.230	O I	|	|	|	0.60
4.333	1.19	0.18	0.236	O I	|	|	|	0.62
4.417	1.26	0.19	0.244	O I	|	|	|	0.64
4.500	1.28	0.19	0.251	O I	|	|	|	0.66
4.583	1.28	0.20	0.259	|O I	|	|	|	0.68
4.667	1.28	0.20	0.266	|O I	|	|	|	0.70
4.750	1.28	0.21	0.273	|O I	|	|	|	0.72
4.833	1.37	0.21	0.281	|O I|	|	|	|	0.74
4.917	1.45	0.22	0.289	|O I|	|	|	|	0.76
5.000	1.46	0.23	0.298	|O I|	|	|	|	0.78
5.083	1.30	0.23	0.306	|O I |	|	|	|	0.80
5.167	1.14	0.24	0.313	|O I |	|	|	|	0.82
5.250	1.11	0.24	0.319	|O I |	|	|	|	0.84
5.333	1.19	0.25	0.325	|O I |	|	|	|	0.85
5.417	1.26	0.25	0.332	|O I |	|	|	|	0.87
5.500	1.28	0.26	0.339	|O I |	|	|	|	0.89
5.583	1.37	0.26	0.346	|O I|	|	|	|	0.91
5.667	1.45	0.27	0.354	|O I|	|	|	|	0.93

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 5.750    1.46    0.28      0.362  |O     I|       |       |       |     0.95
 5.833    1.47    0.28      0.370  |O     I|       |       |       |     0.97
 5.917    1.47    0.29      0.378  |O     I|       |       |       |     1.00
 6.000    1.47    0.29      0.386  |O     I|       |       |       |     1.01
 6.083    1.55    0.30      0.395  |O     I|       |       |       |     1.03
 6.167    1.63    0.30      0.404  |O      I       |       |       |     1.05
 6.250    1.65    0.30      0.413  |O      I       |       |       |     1.08
 6.333    1.65    0.30      0.422  |O      I       |       |       |     1.10
 6.417    1.65    0.31      0.431  |O      I       |       |       |     1.12
 6.500    1.65    0.31      0.441  |O      I       |       |       |     1.14
 6.583    1.74    0.31      0.450  |O      I       |       |       |     1.16
 6.667    1.81    0.32      0.460  |O      |I      |       |       |     1.19
 6.750    1.83    0.32      0.470  |O      |I      |       |       |     1.21
 6.833    1.83    0.33      0.481  |O      |I      |       |       |     1.23
 6.917    1.83    0.33      0.491  |O      |I      |       |       |     1.26
 7.000    1.83    0.33      0.502  |O      |I      |       |       |     1.28
 7.083    1.83    0.34      0.512  |O      |I      |       |       |     1.31
 7.167    1.83    0.34      0.522  |O      |I      |       |       |     1.33
 7.250    1.83    0.34      0.533  |O      |I      |       |       |     1.35
 7.333    1.92    0.35      0.543  |O      |I      |       |       |     1.38
 7.417    2.00    0.35      0.554  |O      | I     |       |       |     1.41
 7.500    2.01    0.35      0.566  |O      | I     |       |       |     1.43
 7.583    2.10    0.36      0.577  |O      | I     |       |       |     1.46
 7.667    2.18    0.36      0.590  |O      |  I    |       |       |     1.49
 7.750    2.20    0.37      0.602  |O      |  I    |       |       |     1.52
 7.833    2.29    0.37      0.615  |O      |  I    |       |       |     1.55
 7.917    2.36    0.38      0.628  |O      |   I   |       |       |     1.58
 8.000    2.38    0.38      0.642  |O      |   I   |       |       |     1.61
 8.083    2.56    0.39      0.656  |O      |    I  |       |       |     1.64
 8.167    2.71    0.39      0.672  | O     |    I  |       |       |     1.68
 8.250    2.74    0.40      0.688  | O     |     I |       |       |     1.72
 8.333    2.75    0.40      0.704  | O     |     I |       |       |     1.75
 8.417    2.75    0.41      0.720  | O     |     I |       |       |     1.79
 8.500    2.75    0.41      0.736  | O     |     I |       |       |     1.83
 8.583    2.84    0.42      0.753  | O     |     I |       |       |     1.87
 8.667    2.91    0.43      0.770  | O     |     I |       |       |     1.91
 8.750    2.93    0.43      0.787  | O     |      I|       |       |     1.95
 8.833    3.02    0.44      0.804  | O     |      I|       |       |     1.99
 8.917    3.10    0.44      0.822  | O     |      I|       |       |     2.03
 9.000    3.11    0.45      0.841  | O     |      I|       |       |     2.06
 9.083    3.29    0.45      0.860  | O     |       I       |       |     2.10
 9.167    3.44    0.46      0.880  | O     |       |I      |       |     2.14
 9.250    3.47    0.46      0.900  | O     |       |I      |       |     2.18
 9.333    3.57    0.47      0.921  | O     |       | I     |       |     2.23
 9.417    3.65    0.47      0.943  | O     |       | I     |       |     2.27
 9.500    3.66    0.47      0.965  | O     |       | I     |       |     2.32
 9.583    3.75    0.48      0.987  | O     |       |  I    |       |     2.36
 9.667    3.83    0.48      1.010  | O     |       |  I    |       |     2.41
 9.750    3.85    0.49      1.033  | O     |       |  I    |       |     2.46
 9.833    3.94    0.50      1.057  | O     |       |   I   |       |     2.50
 9.917    4.02    0.50      1.081  | O     |       |   I   |       |     2.55
10.000    4.03    0.51      1.105  | O     |       |   I   |       |     2.60
10.083    3.44    0.51      1.127  | O     |       |I      |       |     2.65
10.167    2.90    0.52      1.145  | O     |     I |       |       |     2.68
10.250    2.80    0.52      1.161  | O     |     I |       |       |     2.72
10.333    2.75    0.52      1.177  | O     |     I |       |       |     2.75
10.417    2.75    0.53      1.192  | O     |     I |       |       |     2.78
10.500    2.75    0.53      1.208  | O     |     I |       |       |     2.81
10.583    3.18    0.53      1.224  | O     |       I       |       |     2.85
10.667    3.56    0.54      1.244  | O     |       | I     |       |     2.89
10.750    3.64    0.54      1.265  | O     |       | I     |       |     2.93
10.833    3.67    0.55      1.286  | O     |       | I     |       |     2.97
10.917    3.67    0.55      1.308  | O     |       | I     |       |     3.01
11.000    3.67    0.56      1.329  | O     |       | I     |       |     3.05
11.083    3.58    0.56      1.350  | O     |       | I     |       |     3.09
11.167    3.51    0.56      1.371  | O     |       |I      |       |     3.13
11.250    3.49    0.57      1.391  | O     |       |I      |       |     3.17
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11.333    3.49    0.57      1.411   | O     |        |I      |        |      3.21
11.417    3.49    0.57      1.431   | O     |        |I      |        |      3.24
11.500    3.49    0.58      1.451   | O     |        |I      |        |      3.28
11.583    3.32    0.58      1.471   | O     |        |I      |        |      3.32
11.667    3.16    0.59      1.489   |  O    |        I       |        |      3.35
11.750    3.13    0.59      1.507   |  O    |        I       |        |      3.38
11.833    3.20    0.59      1.525   |  O    |        I       |        |      3.42
11.917    3.28    0.59      1.543   |  O    |        I       |        |      3.45
12.000    3.30    0.60      1.561   |  O    |        I       |        |      3.48
12.083    3.90    0.60      1.582   |  O    |        |  I    |        |      3.52
12.167    4.44    0.61      1.606   |  O    |        |     I |        |      3.57
12.250    4.54    0.61      1.633   |  O    |        |      I|        |      3.62
12.333    4.67    0.62      1.661   |  O    |        |      I|        |      3.67
12.417    4.75    0.62      1.689   |  O    |        |       I        |      3.72
12.500    4.76    0.63      1.717   |  O    |        |       I        |      3.77
12.583    4.94    0.63      1.746   |  O    |        |       |I       |      3.83
12.667    5.10    0.64      1.777   |  O    |        |       | I      |      3.88
12.750    5.12    0.64      1.807   |  O    |        |       | I      |      3.94
12.833    5.22    0.65      1.839   |  O    |        |       | I      |      4.00
12.917    5.30    0.65      1.870   |  O    |        |       |  I     |      4.05
13.000    5.31    0.66      1.902   |  O    |        |       |  I     |      4.10
13.083    5.75    0.66      1.936   |  O    |        |       |    I   |      4.16
13.167    6.13    0.67      1.972   |  O    |        |       |      I|      4.22
13.250    6.21    0.67      2.010   |  O    |        |       |      I|      4.28
13.333    6.24    0.68      2.048   |  O    |        |       |       I      4.35
13.417    6.24    0.68      2.087   |  O    |        |       |       I      4.41
13.500    6.24    0.69      2.125   |  O    |        |       |       I      4.47
13.583    5.30    0.69      2.160   |  O    |        |       |  I    |      4.53
13.667    4.45    0.70      2.189   |  O    |        |     I |       |      4.58
13.750    4.29    0.70      2.214   |  O    |        |     I |       |      4.62
13.833    4.22    0.70      2.238   |  O    |        |    I  |       |      4.66
13.917    4.22    0.71      2.263   |  O    |        |    I  |       |      4.70
14.000    4.22    0.71      2.287   |  O    |        |    I  |       |      4.74
14.083    4.56    0.71      2.312   |  O    |        |      I|       |      4.79
14.167    4.87    0.72      2.340   |  O    |        |       I       |      4.83
14.250    4.93    0.72      2.368   |  O    |        |       |I      |      4.88
14.333    4.87    0.72      2.397   |  O    |        |       I       |      4.93
14.417    4.79    0.73      2.425   |  O    |        |       I       |      4.98
14.500    4.78    0.73      2.453   |  O    |        |       I       |      5.02
14.583    4.77    0.73      2.481   |  O    |        |       I       |      5.06
14.667    4.77    0.74      2.509   |  O    |        |       I       |      5.10
14.750    4.77    0.74      2.537   |  O    |        |       I       |      5.15
14.833    4.69    0.74      2.564   |  O    |        |       I       |      5.19
14.917    4.61    0.75      2.591   |  O    |        |      I|       |      5.23
15.000    4.59    0.75      2.618   |  O    |        |      I|       |      5.27
15.083    4.50    0.75      2.644   |  O    |        |      I|       |      5.31
15.167    4.42    0.75      2.669   |  O    |        |     I |       |      5.35
15.250    4.41    0.76      2.695   |  O    |        |     I |       |      5.39
15.333    4.32    0.76      2.719   |  O    |        |     I |       |      5.42
15.417    4.24    0.76      2.744   |  O    |        |    I  |       |      5.46
15.500    4.23    0.76      2.768   |  O    |        |    I  |       |      5.50
15.583    3.88    0.77      2.790   |  O    |        |  I    |       |      5.53
15.667    3.57    0.77      2.811   |  O    |        | I     |       |      5.56
15.750    3.51    0.77      2.830   |  O    |        | I     |       |      5.59
15.833    3.49    0.77      2.848   |  O    |        |I      |       |      5.62
15.917    3.49    0.78      2.867   |  O    |        |I      |       |      5.65
16.000    3.49    0.78      2.886   |  O    |        |I      |       |      5.68
16.083    2.21    0.78      2.900   |  O    |  I     |       |       |      5.70
16.167    1.05    0.78      2.906   |  O I  |        |       |       |      5.71
16.250    0.83    0.78      2.907   |  OI   |        |       |       |      5.71
16.333    0.73    0.78      2.907   |  O    |        |       |       |      5.71
16.417    0.73    0.78      2.907   |  O    |        |       |       |      5.71
16.500    0.73    0.78      2.906   |  O    |        |       |       |      5.71
16.583    0.65    0.78      2.906   |  O    |        |       |       |      5.71
16.667    0.57    0.78      2.905   | IO    |        |       |       |      5.70
16.750    0.56    0.78      2.903   | IO    |        |       |       |      5.70
16.833    0.55    0.78      2.902   | IO    |        |       |       |      5.70
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16.917	0.55	0.78	2.900	IO				5.70
17.000	0.55	0.78	2.898	IO				5.69
17.083	0.72	0.78	2.897	O				5.69
17.167	0.87	0.78	2.898	OI				5.69
17.250	0.90	0.78	2.898	OI				5.69
17.333	0.92	0.78	2.899	OI				5.70
17.417	0.92	0.78	2.900	OI				5.70
17.500	0.92	0.78	2.901	OI				5.70
17.583	0.92	0.78	2.902	OI				5.70
17.667	0.92	0.78	2.903	OI				5.70
17.750	0.92	0.78	2.904	OI				5.70
17.833	0.83	0.78	2.905	OI				5.70
17.917	0.76	0.78	2.905	O				5.70
18.000	0.74	0.78	2.905	O				5.70
18.083	0.73	0.78	2.904	O				5.70
18.167	0.73	0.78	2.904	O				5.70
18.250	0.73	0.78	2.904	O				5.70
18.333	0.73	0.78	2.903	O				5.70
18.417	0.73	0.78	2.903	O				5.70
18.500	0.73	0.78	2.903	O				5.70
18.583	0.65	0.78	2.902	O				5.70
18.667	0.57	0.78	2.901	IO				5.70
18.750	0.56	0.78	2.899	IO				5.70
18.833	0.47	0.78	2.898	IO				5.69
18.917	0.39	0.78	2.895	I O				5.69
19.000	0.37	0.78	2.892	I O				5.69
19.083	0.45	0.78	2.890	IO				5.68
19.167	0.53	0.78	2.888	IO				5.68
19.250	0.54	0.78	2.886	IO				5.68
19.333	0.64	0.78	2.885	O				5.67
19.417	0.71	0.78	2.884	O				5.67
19.500	0.73	0.78	2.884	O				5.67
19.583	0.65	0.78	2.883	O				5.67
19.667	0.57	0.78	2.882	IO				5.67
19.750	0.56	0.78	2.881	IO				5.67
19.833	0.47	0.78	2.879	IO				5.67
19.917	0.39	0.78	2.876	I O				5.66
20.000	0.37	0.78	2.874	I O				5.66
20.083	0.45	0.78	2.871	IO				5.65
20.167	0.53	0.78	2.869	IO				5.65
20.250	0.54	0.78	2.868	IO				5.65
20.333	0.55	0.78	2.866	IO				5.65
20.417	0.55	0.78	2.865	IO				5.64
20.500	0.55	0.77	2.863	IO				5.64
20.583	0.55	0.77	2.861	IO				5.64
20.667	0.55	0.77	2.860	IO				5.64
20.750	0.55	0.77	2.858	IO				5.63
20.833	0.47	0.77	2.857	IO				5.63
20.917	0.39	0.77	2.854	I O				5.63
21.000	0.37	0.77	2.851	I O				5.62
21.083	0.45	0.77	2.849	IO				5.62
21.167	0.53	0.77	2.847	IO				5.62
21.250	0.54	0.77	2.845	IO				5.61
21.333	0.47	0.77	2.844	IO				5.61
21.417	0.39	0.77	2.841	I O				5.61
21.500	0.37	0.77	2.838	I O				5.60
21.583	0.45	0.77	2.836	IO				5.60
21.667	0.53	0.77	2.834	IO				5.60
21.750	0.54	0.77	2.832	IO				5.59
21.833	0.47	0.77	2.831	IO				5.59
21.917	0.39	0.77	2.828	I O				5.59
22.000	0.37	0.77	2.826	I O				5.58
22.083	0.45	0.77	2.823	IO				5.58
22.167	0.53	0.77	2.821	IO				5.58
22.250	0.54	0.77	2.820	IO				5.58
22.333	0.47	0.77	2.818	IO				5.57
22.417	0.39	0.77	2.815	I O				5.57

22.500	0.37	0.77	2.813	I O				5.56
22.583	0.37	0.77	2.810	I O				5.56
22.667	0.37	0.77	2.807	I O				5.56
22.750	0.37	0.77	2.804	I O				5.55
22.833	0.37	0.77	2.802	I O				5.55
22.917	0.37	0.77	2.799	I O				5.54
23.000	0.37	0.77	2.796	I O				5.54
23.083	0.37	0.77	2.793	I O				5.54
23.167	0.37	0.77	2.791	I O				5.53
23.250	0.37	0.77	2.788	I O				5.53
23.333	0.37	0.77	2.785	I O				5.52
23.417	0.37	0.77	2.782	I O				5.52
23.500	0.37	0.77	2.780	I O				5.51
23.583	0.37	0.77	2.777	I O				5.51
23.667	0.37	0.77	2.774	I O				5.51
23.750	0.37	0.77	2.771	I O				5.50
23.833	0.37	0.76	2.769	I O				5.50
23.917	0.37	0.76	2.766	I O				5.49
24.000	0.37	0.76	2.763	I O				5.49
24.083	0.20	0.76	2.760	I O				5.48
24.167	0.04	0.76	2.755	I O				5.48
24.250	0.01	0.76	2.750	I O				5.47
24.333	0.00	0.76	2.745	I O				5.46
24.417	0.00	0.76	2.740	I O				5.45
24.500	0.00	0.76	2.735	I O				5.45
24.583	0.00	0.76	2.729	I O				5.44
24.667	0.00	0.76	2.724	I O				5.43
24.750	0.00	0.76	2.719	I O				5.42
24.833	0.00	0.76	2.714	I O				5.41
24.917	0.00	0.76	2.708	I O				5.41
25.000	0.00	0.76	2.703	I O				5.40
25.083	0.00	0.76	2.698	I O				5.39
25.167	0.00	0.76	2.693	I O				5.38
25.250	0.00	0.76	2.688	I O				5.38
25.333	0.00	0.76	2.682	I O				5.37
25.417	0.00	0.76	2.677	I O				5.36
25.500	0.00	0.75	2.672	I O				5.35
25.583	0.00	0.75	2.667	I O				5.34
25.667	0.00	0.75	2.662	I O				5.34
25.750	0.00	0.75	2.656	I O				5.33
25.833	0.00	0.75	2.651	I O				5.32
25.917	0.00	0.75	2.646	I O				5.31
26.000	0.00	0.75	2.641	I O				5.30
26.083	0.00	0.75	2.636	I O				5.30
26.167	0.00	0.75	2.630	I O				5.29
26.250	0.00	0.75	2.625	I O				5.28
26.333	0.00	0.75	2.620	I O				5.27
26.417	0.00	0.75	2.615	I O				5.27
26.500	0.00	0.75	2.610	I O				5.26
26.583	0.00	0.75	2.605	I O				5.25
26.667	0.00	0.75	2.600	I O				5.24
26.750	0.00	0.75	2.594	I O				5.23
26.833	0.00	0.75	2.589	I O				5.23
26.917	0.00	0.75	2.584	I O				5.22
27.000	0.00	0.74	2.579	I O				5.21
27.083	0.00	0.74	2.574	I O				5.20
27.167	0.00	0.74	2.569	I O				5.20
27.250	0.00	0.74	2.564	I O				5.19
27.333	0.00	0.74	2.559	I O				5.18
27.417	0.00	0.74	2.553	I O				5.17
27.500	0.00	0.74	2.548	I O				5.16
27.583	0.00	0.74	2.543	I O				5.16
27.667	0.00	0.74	2.538	I O				5.15
27.750	0.00	0.74	2.533	I O				5.14
27.833	0.00	0.74	2.528	I O				5.13
27.917	0.00	0.74	2.523	I O				5.13
28.000	0.00	0.74	2.518	I O				5.12

28.083	0.00	0.74	2.513	I	O	|	|	|	|	5.11
28.167	0.00	0.74	2.508	I	O	|	|	|	|	5.10
28.250	0.00	0.74	2.502	I	O	|	|	|	|	5.09
28.333	0.00	0.74	2.497	I	O	|	|	|	|	5.09
28.417	0.00	0.74	2.492	I	O	|	|	|	|	5.08
28.500	0.00	0.74	2.487	I	O	|	|	|	|	5.07
28.583	0.00	0.73	2.482	I	O	|	|	|	|	5.06
28.667	0.00	0.73	2.477	I	O	|	|	|	|	5.06
28.750	0.00	0.73	2.472	I	O	|	|	|	|	5.05
28.833	0.00	0.73	2.467	I	O	|	|	|	|	5.04
28.917	0.00	0.73	2.462	I	O	|	|	|	|	5.03
29.000	0.00	0.73	2.457	I	O	|	|	|	|	5.03
29.083	0.00	0.73	2.452	I	O	|	|	|	|	5.02
29.167	0.00	0.73	2.447	I	O	|	|	|	|	5.01
29.250	0.00	0.73	2.442	I	O	|	|	|	|	5.00
29.333	0.00	0.73	2.437	I	O	|	|	|	|	4.99
29.417	0.00	0.73	2.432	I	O	|	|	|	|	4.99
29.500	0.00	0.73	2.427	I	O	|	|	|	|	4.98
29.583	0.00	0.73	2.422	I	O	|	|	|	|	4.97
29.667	0.00	0.73	2.417	I	O	|	|	|	|	4.96
29.750	0.00	0.73	2.412	I	O	|	|	|	|	4.95
29.833	0.00	0.73	2.407	I	O	|	|	|	|	4.94
29.917	0.00	0.72	2.402	I	O	|	|	|	|	4.94
30.000	0.00	0.72	2.397	I	O	|	|	|	|	4.93
30.083	0.00	0.72	2.392	I	O	|	|	|	|	4.92
30.167	0.00	0.72	2.387	I	O	|	|	|	|	4.91
30.250	0.00	0.72	2.382	I	O	|	|	|	|	4.90
30.333	0.00	0.72	2.377	I	O	|	|	|	|	4.89
30.417	0.00	0.72	2.372	I	O	|	|	|	|	4.89
30.500	0.00	0.72	2.367	I	O	|	|	|	|	4.88
30.583	0.00	0.72	2.362	I	O	|	|	|	|	4.87
30.667	0.00	0.72	2.357	I	O	|	|	|	|	4.86
30.750	0.00	0.72	2.352	I	O	|	|	|	|	4.85
30.833	0.00	0.72	2.347	I	O	|	|	|	|	4.85
30.917	0.00	0.72	2.342	I	O	|	|	|	|	4.84
31.000	0.00	0.72	2.337	I	O	|	|	|	|	4.83
31.083	0.00	0.72	2.332	I	O	|	|	|	|	4.82
31.167	0.00	0.71	2.327	I	O	|	|	|	|	4.81
31.250	0.00	0.71	2.322	I	O	|	|	|	|	4.80
31.333	0.00	0.71	2.318	I	O	|	|	|	|	4.80
31.417	0.00	0.71	2.313	I	O	|	|	|	|	4.79
31.500	0.00	0.71	2.308	I	O	|	|	|	|	4.78
31.583	0.00	0.71	2.303	I	O	|	|	|	|	4.77
31.667	0.00	0.71	2.298	I	O	|	|	|	|	4.76
31.750	0.00	0.71	2.293	I	O	|	|	|	|	4.76
31.833	0.00	0.71	2.288	I	O	|	|	|	|	4.75
31.917	0.00	0.71	2.283	I	O	|	|	|	|	4.74
32.000	0.00	0.71	2.278	I	O	|	|	|	|	4.73
32.083	0.00	0.71	2.274	I	O	|	|	|	|	4.72
32.167	0.00	0.71	2.269	I	O	|	|	|	|	4.71
32.250	0.00	0.71	2.264	I	O	|	|	|	|	4.71
32.333	0.00	0.71	2.259	I	O	|	|	|	|	4.70
32.417	0.00	0.71	2.254	I	O	|	|	|	|	4.69
32.500	0.00	0.70	2.249	I	O	|	|	|	|	4.68
32.583	0.00	0.70	2.244	I	O	|	|	|	|	4.67
32.667	0.00	0.70	2.240	I	O	|	|	|	|	4.67
32.750	0.00	0.70	2.235	I	O	|	|	|	|	4.66
32.833	0.00	0.70	2.230	I	O	|	|	|	|	4.65
32.917	0.00	0.70	2.225	I	O	|	|	|	|	4.64
33.000	0.00	0.70	2.220	I	O	|	|	|	|	4.63
33.083	0.00	0.70	2.215	I	O	|	|	|	|	4.63
33.167	0.00	0.70	2.211	I	O	|	|	|	|	4.62
33.250	0.00	0.70	2.206	I	O	|	|	|	|	4.61
33.333	0.00	0.70	2.201	I	O	|	|	|	|	4.60
33.417	0.00	0.70	2.196	I	O	|	|	|	|	4.59
33.500	0.00	0.70	2.191	I	O	|	|	|	|	4.59
33.583	0.00	0.70	2.186	I	O	|	|	|	|	4.58

33.667	0.00	0.70	2.182	I	O	|	|	|	|	4.57
33.750	0.00	0.69	2.177	I	O	|	|	|	|	4.56
33.833	0.00	0.69	2.172	I	O	|	|	|	|	4.55
33.917	0.00	0.69	2.167	I	O	|	|	|	|	4.55
34.000	0.00	0.69	2.163	I	O	|	|	|	|	4.54
34.083	0.00	0.69	2.158	I	O	|	|	|	|	4.53
34.167	0.00	0.69	2.153	I	O	|	|	|	|	4.52
34.250	0.00	0.69	2.148	I	O	|	|	|	|	4.51
34.333	0.00	0.69	2.144	I	O	|	|	|	|	4.51
34.417	0.00	0.69	2.139	I	O	|	|	|	|	4.50
34.500	0.00	0.69	2.134	I	O	|	|	|	|	4.49
34.583	0.00	0.69	2.129	I	O	|	|	|	|	4.48
34.667	0.00	0.69	2.125	I	O	|	|	|	|	4.47
34.750	0.00	0.69	2.120	I	O	|	|	|	|	4.47
34.833	0.00	0.69	2.115	I	O	|	|	|	|	4.46
34.917	0.00	0.69	2.110	I	O	|	|	|	|	4.45
35.000	0.00	0.69	2.106	I	O	|	|	|	|	4.44
35.083	0.00	0.68	2.101	I	O	|	|	|	|	4.43
35.167	0.00	0.68	2.096	I	O	|	|	|	|	4.43
35.250	0.00	0.68	2.091	I	O	|	|	|	|	4.42
35.333	0.00	0.68	2.087	I	O	|	|	|	|	4.41
35.417	0.00	0.68	2.082	I	O	|	|	|	|	4.40
35.500	0.00	0.68	2.077	I	O	|	|	|	|	4.40
35.583	0.00	0.68	2.073	I	O	|	|	|	|	4.39
35.667	0.00	0.68	2.068	I	O	|	|	|	|	4.38
35.750	0.00	0.68	2.063	I	O	|	|	|	|	4.37
35.833	0.00	0.68	2.059	I	O	|	|	|	|	4.36
35.917	0.00	0.68	2.054	I	O	|	|	|	|	4.36
36.000	0.00	0.68	2.049	I	O	|	|	|	|	4.35
36.083	0.00	0.68	2.045	I	O	|	|	|	|	4.34
36.167	0.00	0.68	2.040	I	O	|	|	|	|	4.33
36.250	0.00	0.68	2.035	I	O	|	|	|	|	4.33
36.333	0.00	0.68	2.031	I	O	|	|	|	|	4.32
36.417	0.00	0.67	2.026	I	O	|	|	|	|	4.31
36.500	0.00	0.67	2.021	I	O	|	|	|	|	4.30
36.583	0.00	0.67	2.017	I	O	|	|	|	|	4.29
36.667	0.00	0.67	2.012	I	O	|	|	|	|	4.29
36.750	0.00	0.67	2.007	I	O	|	|	|	|	4.28
36.833	0.00	0.67	2.003	I	O	|	|	|	|	4.27
36.917	0.00	0.67	1.998	I	O	|	|	|	|	4.26
37.000	0.00	0.67	1.994	I	O	|	|	|	|	4.26
37.083	0.00	0.67	1.989	I	O	|	|	|	|	4.25
37.167	0.00	0.67	1.984	I	O	|	|	|	|	4.24
37.250	0.00	0.67	1.980	I	O	|	|	|	|	4.23
37.333	0.00	0.67	1.975	I	O	|	|	|	|	4.23
37.417	0.00	0.67	1.971	I	O	|	|	|	|	4.22
37.500	0.00	0.67	1.966	I	O	|	|	|	|	4.21
37.583	0.00	0.67	1.961	I	O	|	|	|	|	4.20
37.667	0.00	0.67	1.957	I	O	|	|	|	|	4.19
37.750	0.00	0.66	1.952	I	O	|	|	|	|	4.19
37.833	0.00	0.66	1.948	I	O	|	|	|	|	4.18
37.917	0.00	0.66	1.943	I	O	|	|	|	|	4.17
38.000	0.00	0.66	1.938	I	O	|	|	|	|	4.16
38.083	0.00	0.66	1.934	I	O	|	|	|	|	4.16
38.167	0.00	0.66	1.929	I	O	|	|	|	|	4.15
38.250	0.00	0.66	1.925	I	O	|	|	|	|	4.14
38.333	0.00	0.66	1.920	I	O	|	|	|	|	4.13
38.417	0.00	0.66	1.916	I	O	|	|	|	|	4.13
38.500	0.00	0.66	1.911	I	O	|	|	|	|	4.12
38.583	0.00	0.66	1.907	I	O	|	|	|	|	4.11
38.667	0.00	0.66	1.902	I	O	|	|	|	|	4.10
38.750	0.00	0.66	1.898	I	O	|	|	|	|	4.10
38.833	0.00	0.66	1.893	I	O	|	|	|	|	4.09
38.917	0.00	0.66	1.888	I	O	|	|	|	|	4.08
39.000	0.00	0.66	1.884	I	O	|	|	|	|	4.07
39.083	0.00	0.66	1.879	I	O	|	|	|	|	4.07
39.167	0.00	0.65	1.875	I	O	|	|	|	|	4.06

39.250	0.00	0.65	1.870	I	O	|	|	|	|	4.05
39.333	0.00	0.65	1.866	I	O	|	|	|	|	4.04
39.417	0.00	0.65	1.861	I	O	|	|	|	|	4.04
39.500	0.00	0.65	1.857	I	O	|	|	|	|	4.03
39.583	0.00	0.65	1.852	I	O	|	|	|	|	4.02
39.667	0.00	0.65	1.848	I	O	|	|	|	|	4.01
39.750	0.00	0.65	1.843	I	O	|	|	|	|	4.01
39.833	0.00	0.65	1.839	I	O	|	|	|	|	4.00
39.917	0.00	0.65	1.835	I	O	|	|	|	|	3.99
40.000	0.00	0.65	1.830	I	O	|	|	|	|	3.98
40.083	0.00	0.65	1.826	I	O	|	|	|	|	3.97
40.167	0.00	0.65	1.821	I	O	|	|	|	|	3.97
40.250	0.00	0.65	1.817	I	O	|	|	|	|	3.96
40.333	0.00	0.64	1.812	I	O	|	|	|	|	3.95
40.417	0.00	0.64	1.808	I	O	|	|	|	|	3.94
40.500	0.00	0.64	1.803	I	O	|	|	|	|	3.93
40.583	0.00	0.64	1.799	I	O	|	|	|	|	3.92
40.667	0.00	0.64	1.795	I	O	|	|	|	|	3.92
40.750	0.00	0.64	1.790	I	O	|	|	|	|	3.91
40.833	0.00	0.64	1.786	I	O	|	|	|	|	3.90
40.917	0.00	0.64	1.781	I	O	|	|	|	|	3.89
41.000	0.00	0.64	1.777	I	O	|	|	|	|	3.88
41.083	0.00	0.64	1.772	I	O	|	|	|	|	3.87
41.167	0.00	0.64	1.768	I	O	|	|	|	|	3.87
41.250	0.00	0.64	1.764	I	O	|	|	|	|	3.86
41.333	0.00	0.64	1.759	I	O	|	|	|	|	3.85
41.417	0.00	0.63	1.755	I	O	|	|	|	|	3.84
41.500	0.00	0.63	1.751	I	O	|	|	|	|	3.83
41.583	0.00	0.63	1.746	I	O	|	|	|	|	3.83
41.667	0.00	0.63	1.742	I	O	|	|	|	|	3.82
41.750	0.00	0.63	1.738	I	O	|	|	|	|	3.81
41.833	0.00	0.63	1.733	I	O	|	|	|	|	3.80
41.917	0.00	0.63	1.729	I	O	|	|	|	|	3.79
42.000	0.00	0.63	1.725	I	O	|	|	|	|	3.79
42.083	0.00	0.63	1.720	I	O	|	|	|	|	3.78
42.167	0.00	0.63	1.716	I	O	|	|	|	|	3.77
42.250	0.00	0.63	1.712	I	O	|	|	|	|	3.76
42.333	0.00	0.63	1.707	I	O	|	|	|	|	3.75
42.417	0.00	0.62	1.703	I	O	|	|	|	|	3.75
42.500	0.00	0.62	1.699	I	O	|	|	|	|	3.74
42.583	0.00	0.62	1.694	I	O	|	|	|	|	3.73
42.667	0.00	0.62	1.690	I	O	|	|	|	|	3.72
42.750	0.00	0.62	1.686	I	O	|	|	|	|	3.71
42.833	0.00	0.62	1.682	I	O	|	|	|	|	3.71
42.917	0.00	0.62	1.677	I	O	|	|	|	|	3.70
43.000	0.00	0.62	1.673	I	O	|	|	|	|	3.69
43.083	0.00	0.62	1.669	I	O	|	|	|	|	3.68
43.167	0.00	0.62	1.664	I	O	|	|	|	|	3.67
43.250	0.00	0.62	1.660	I	O	|	|	|	|	3.67
43.333	0.00	0.62	1.656	I	O	|	|	|	|	3.66
43.417	0.00	0.62	1.652	I	O	|	|	|	|	3.65
43.500	0.00	0.61	1.647	I	O	|	|	|	|	3.64
43.583	0.00	0.61	1.643	I	O	|	|	|	|	3.64
43.667	0.00	0.61	1.639	I	O	|	|	|	|	3.63
43.750	0.00	0.61	1.635	I	O	|	|	|	|	3.62
43.833	0.00	0.61	1.631	I	O	|	|	|	|	3.61
43.917	0.00	0.61	1.626	I	O	|	|	|	|	3.60
44.000	0.00	0.61	1.622	I	O	|	|	|	|	3.60
44.083	0.00	0.61	1.618	I	O	|	|	|	|	3.59
44.167	0.00	0.61	1.614	I	O	|	|	|	|	3.58
44.250	0.00	0.61	1.610	I	O	|	|	|	|	3.57
44.333	0.00	0.61	1.605	I	O	|	|	|	|	3.57
44.417	0.00	0.61	1.601	I	O	|	|	|	|	3.56
44.500	0.00	0.61	1.597	I	O	|	|	|	|	3.55
44.583	0.00	0.60	1.593	I	O	|	|	|	|	3.54
44.667	0.00	0.60	1.589	I	O	|	|	|	|	3.53
44.750	0.00	0.60	1.585	I	O	|	|	|	|	3.53

44.833	0.00	0.60	1.580	I O	|	|	|	3.52
44.917	0.00	0.60	1.576	I O	|	|	|	3.51
45.000	0.00	0.60	1.572	I O	|	|	|	3.50
45.083	0.00	0.60	1.568	I O	|	|	|	3.50
45.167	0.00	0.60	1.564	I O	|	|	|	3.49
45.250	0.00	0.60	1.560	I O	|	|	|	3.48
45.333	0.00	0.60	1.556	I O	|	|	|	3.47
45.417	0.00	0.60	1.552	I O	|	|	|	3.47
45.500	0.00	0.60	1.547	I O	|	|	|	3.46
45.583	0.00	0.60	1.543	I O	|	|	|	3.45
45.667	0.00	0.59	1.539	I O	|	|	|	3.44
45.750	0.00	0.59	1.535	I O	|	|	|	3.44
45.833	0.00	0.59	1.531	I O	|	|	|	3.43
45.917	0.00	0.59	1.527	I O	|	|	|	3.42
46.000	0.00	0.59	1.523	I O	|	|	|	3.41
46.083	0.00	0.59	1.519	I O	|	|	|	3.41
46.167	0.00	0.59	1.515	I O	|	|	|	3.40
46.250	0.00	0.59	1.511	I O	|	|	|	3.39
46.333	0.00	0.59	1.507	I O	|	|	|	3.38
46.417	0.00	0.59	1.503	I O	|	|	|	3.38
46.500	0.00	0.59	1.499	I O	|	|	|	3.37
46.583	0.00	0.59	1.495	I O	|	|	|	3.36
46.667	0.00	0.59	1.491	I O	|	|	|	3.35
46.750	0.00	0.58	1.487	I O	|	|	|	3.35
46.833	0.00	0.58	1.482	I O	|	|	|	3.34
46.917	0.00	0.58	1.478	I O	|	|	|	3.33
47.000	0.00	0.58	1.474	I O	|	|	|	3.32
47.083	0.00	0.58	1.470	I O	|	|	|	3.32
47.167	0.00	0.58	1.466	I O	|	|	|	3.31
47.250	0.00	0.58	1.462	I O	|	|	|	3.30
47.333	0.00	0.58	1.458	I O	|	|	|	3.29
47.417	0.00	0.58	1.454	I O	|	|	|	3.29
47.500	0.00	0.58	1.450	I O	|	|	|	3.28
47.583	0.00	0.58	1.447	I O	|	|	|	3.27
47.667	0.00	0.58	1.443	I O	|	|	|	3.26
47.750	0.00	0.58	1.439	I O	|	|	|	3.26
47.833	0.00	0.57	1.435	I O	|	|	|	3.25
47.917	0.00	0.57	1.431	I O	|	|	|	3.24
48.000	0.00	0.57	1.427	I O	|	|	|	3.23
48.083	0.00	0.57	1.423	I O	|	|	|	3.23
48.167	0.00	0.57	1.419	I O	|	|	|	3.22
48.250	0.00	0.57	1.415	I O	|	|	|	3.21
48.333	0.00	0.57	1.411	I O	|	|	|	3.21
48.417	0.00	0.57	1.407	I O	|	|	|	3.20
48.500	0.00	0.57	1.403	I O	|	|	|	3.19
48.583	0.00	0.57	1.399	I O	|	|	|	3.18
48.667	0.00	0.57	1.395	I O	|	|	|	3.18
48.750	0.00	0.57	1.391	I O	|	|	|	3.17
48.833	0.00	0.57	1.387	I O	|	|	|	3.16
48.917	0.00	0.57	1.384	I O	|	|	|	3.15
49.000	0.00	0.56	1.380	I O	|	|	|	3.15
49.083	0.00	0.56	1.376	I O	|	|	|	3.14
49.167	0.00	0.56	1.372	I O	|	|	|	3.13
49.250	0.00	0.56	1.368	I O	|	|	|	3.13
49.333	0.00	0.56	1.364	I O	|	|	|	3.12
49.417	0.00	0.56	1.360	I O	|	|	|	3.11
49.500	0.00	0.56	1.356	I O	|	|	|	3.10
49.583	0.00	0.56	1.353	I O	|	|	|	3.10
49.667	0.00	0.56	1.349	I O	|	|	|	3.09
49.750	0.00	0.56	1.345	I O	|	|	|	3.08
49.833	0.00	0.56	1.341	I O	|	|	|	3.08
49.917	0.00	0.56	1.337	I O	|	|	|	3.07
50.000	0.00	0.56	1.333	I O	|	|	|	3.06
50.083	0.00	0.56	1.330	I O	|	|	|	3.05
50.167	0.00	0.55	1.326	I O	|	|	|	3.05
50.250	0.00	0.55	1.322	I O	|	|	|	3.04
50.333	0.00	0.55	1.318	I O	|	|	|	3.03

50.417	0.00	0.55	1.314	I O	|	|	|	|	3.03
50.500	0.00	0.55	1.310	I O	|	|	|	|	3.02
50.583	0.00	0.55	1.307	I O	|	|	|	|	3.01
50.667	0.00	0.55	1.303	I O	|	|	|	|	3.01
50.750	0.00	0.55	1.299	I O	|	|	|	|	3.00
50.833	0.00	0.55	1.295	I O	|	|	|	|	2.99
50.917	0.00	0.55	1.292	I O	|	|	|	|	2.98
51.000	0.00	0.55	1.288	I O	|	|	|	|	2.97
51.083	0.00	0.55	1.284	I O	|	|	|	|	2.97
51.167	0.00	0.55	1.280	I O	|	|	|	|	2.96
51.250	0.00	0.54	1.276	I O	|	|	|	|	2.95
51.333	0.00	0.54	1.273	I O	|	|	|	|	2.94
51.417	0.00	0.54	1.269	I O	|	|	|	|	2.94
51.500	0.00	0.54	1.265	I O	|	|	|	|	2.93
51.583	0.00	0.54	1.262	I O	|	|	|	|	2.92
51.667	0.00	0.54	1.258	I O	|	|	|	|	2.91
51.750	0.00	0.54	1.254	I O	|	|	|	|	2.91
51.833	0.00	0.54	1.250	I O	|	|	|	|	2.90
51.917	0.00	0.54	1.247	I O	|	|	|	|	2.89
52.000	0.00	0.54	1.243	I O	|	|	|	|	2.88
52.083	0.00	0.54	1.239	I O	|	|	|	|	2.88
52.167	0.00	0.54	1.236	I O	|	|	|	|	2.87
52.250	0.00	0.53	1.232	I O	|	|	|	|	2.86
52.333	0.00	0.53	1.228	I O	|	|	|	|	2.85
52.417	0.00	0.53	1.225	I O	|	|	|	|	2.85
52.500	0.00	0.53	1.221	I O	|	|	|	|	2.84
52.583	0.00	0.53	1.217	I O	|	|	|	|	2.83
52.667	0.00	0.53	1.214	I O	|	|	|	|	2.82
52.750	0.00	0.53	1.210	I O	|	|	|	|	2.82
52.833	0.00	0.53	1.206	I O	|	|	|	|	2.81
52.917	0.00	0.53	1.203	I O	|	|	|	|	2.80
53.000	0.00	0.53	1.199	I O	|	|	|	|	2.79
53.083	0.00	0.53	1.195	I O	|	|	|	|	2.79
53.167	0.00	0.53	1.192	I O	|	|	|	|	2.78
53.250	0.00	0.52	1.188	I O	|	|	|	|	2.77
53.333	0.00	0.52	1.184	I O	|	|	|	|	2.76
53.417	0.00	0.52	1.181	I O	|	|	|	|	2.76
53.500	0.00	0.52	1.177	I O	|	|	|	|	2.75
53.583	0.00	0.52	1.174	I O	|	|	|	|	2.74
53.667	0.00	0.52	1.170	I O	|	|	|	|	2.73
53.750	0.00	0.52	1.166	I O	|	|	|	|	2.73
53.833	0.00	0.52	1.163	I O	|	|	|	|	2.72
53.917	0.00	0.52	1.159	I O	|	|	|	|	2.71
54.000	0.00	0.52	1.156	I O	|	|	|	|	2.71
54.083	0.00	0.52	1.152	I O	|	|	|	|	2.70
54.167	0.00	0.52	1.149	I O	|	|	|	|	2.69
54.250	0.00	0.52	1.145	I O	|	|	|	|	2.68
54.333	0.00	0.51	1.142	I O	|	|	|	|	2.68
54.417	0.00	0.51	1.138	I O	|	|	|	|	2.67
54.500	0.00	0.51	1.134	I O	|	|	|	|	2.66
54.583	0.00	0.51	1.131	I O	|	|	|	|	2.66
54.667	0.00	0.51	1.127	I O	|	|	|	|	2.65
54.750	0.00	0.51	1.124	I O	|	|	|	|	2.64
54.833	0.00	0.51	1.120	I O	|	|	|	|	2.63
54.917	0.00	0.51	1.117	I O	|	|	|	|	2.63
55.000	0.00	0.51	1.113	I O	|	|	|	|	2.62
55.083	0.00	0.51	1.110	I O	|	|	|	|	2.61
55.167	0.00	0.51	1.106	I O	|	|	|	|	2.60
55.250	0.00	0.51	1.103	I O	|	|	|	|	2.60
55.333	0.00	0.50	1.099	I O	|	|	|	|	2.59
55.417	0.00	0.50	1.096	I O	|	|	|	|	2.58
55.500	0.00	0.50	1.092	I O	|	|	|	|	2.58
55.583	0.00	0.50	1.089	I O	|	|	|	|	2.57
55.667	0.00	0.50	1.086	I O	|	|	|	|	2.56
55.750	0.00	0.50	1.082	I O	|	|	|	|	2.56
55.833	0.00	0.50	1.079	I O	|	|	|	|	2.55
55.917	0.00	0.50	1.075	I O	|	|	|	|	2.54

56.000	0.00	0.50	1.072	I O				2.53
56.083	0.00	0.50	1.068	I O				2.53
56.167	0.00	0.50	1.065	I O				2.52
56.250	0.00	0.50	1.062	I O				2.51
56.333	0.00	0.50	1.058	I O				2.51
56.417	0.00	0.49	1.055	I O				2.50
56.500	0.00	0.49	1.051	I O				2.49
56.583	0.00	0.49	1.048	I O				2.49
56.667	0.00	0.49	1.044	I O				2.48
56.750	0.00	0.49	1.041	I O				2.47
56.833	0.00	0.49	1.038	I O				2.46
56.917	0.00	0.49	1.034	I O				2.46
57.000	0.00	0.49	1.031	I O				2.45
57.083	0.00	0.49	1.028	I O				2.44
57.167	0.00	0.49	1.024	I O				2.44
57.250	0.00	0.49	1.021	I O				2.43
57.333	0.00	0.49	1.017	I O				2.42
57.417	0.00	0.49	1.014	I O				2.42
57.500	0.00	0.49	1.011	I O				2.41
57.583	0.00	0.48	1.007	I O				2.40
57.667	0.00	0.48	1.004	I O				2.40
57.750	0.00	0.48	1.001	I O				2.39
57.833	0.00	0.48	0.997	I O				2.38
57.917	0.00	0.48	0.994	I O				2.38
58.000	0.00	0.48	0.991	I O				2.37
58.083	0.00	0.48	0.988	I O				2.36
58.167	0.00	0.48	0.984	I O				2.36
58.250	0.00	0.48	0.981	I O				2.35
58.333	0.00	0.48	0.978	I O				2.34
58.417	0.00	0.48	0.974	I O				2.34
58.500	0.00	0.48	0.971	I O				2.33
58.583	0.00	0.48	0.968	I O				2.32
58.667	0.00	0.47	0.965	I O				2.32
58.750	0.00	0.47	0.961	I O				2.31
58.833	0.00	0.47	0.958	I O				2.30
58.917	0.00	0.47	0.955	I O				2.30
59.000	0.00	0.47	0.952	I O				2.29
59.083	0.00	0.47	0.948	I O				2.28
59.167	0.00	0.47	0.945	I O				2.28
59.250	0.00	0.47	0.942	I O				2.27
59.333	0.00	0.47	0.939	I O				2.26
59.417	0.00	0.47	0.935	I O				2.26
59.500	0.00	0.47	0.932	I O				2.25
59.583	0.00	0.47	0.929	I O				2.24
59.667	0.00	0.47	0.926	I O				2.24
59.750	0.00	0.47	0.922	I O				2.23
59.833	0.00	0.46	0.919	I O				2.22
59.917	0.00	0.46	0.916	I O				2.22
60.000	0.00	0.46	0.913	I O				2.21
60.083	0.00	0.46	0.910	I O				2.20
60.167	0.00	0.46	0.907	I O				2.20
60.250	0.00	0.46	0.903	I O				2.19
60.333	0.00	0.46	0.900	I O				2.18
60.417	0.00	0.46	0.897	I O				2.18
60.500	0.00	0.46	0.894	I O				2.17
60.583	0.00	0.46	0.891	I O				2.16
60.667	0.00	0.46	0.888	I O				2.16
60.750	0.00	0.46	0.884	I O				2.15
60.833	0.00	0.46	0.881	I O				2.15
60.917	0.00	0.46	0.878	I O				2.14
61.000	0.00	0.45	0.875	I O				2.13
61.083	0.00	0.45	0.872	I O				2.13
61.167	0.00	0.45	0.869	I O				2.12
61.250	0.00	0.45	0.866	I O				2.11
61.333	0.00	0.45	0.862	I O				2.11
61.417	0.00	0.45	0.859	I O				2.10
61.500	0.00	0.45	0.856	I O				2.09

61.583	0.00	0.45	0.853	I O	|	|	|	2.09
61.667	0.00	0.45	0.850	I O	|	|	|	2.08
61.750	0.00	0.45	0.847	I O	|	|	|	2.08
61.833	0.00	0.45	0.844	I O	|	|	|	2.07
61.917	0.00	0.45	0.841	I O	|	|	|	2.06
62.000	0.00	0.45	0.838	I O	|	|	|	2.06
62.083	0.00	0.45	0.835	I O	|	|	|	2.05
62.167	0.00	0.44	0.832	I O	|	|	|	2.04
62.250	0.00	0.44	0.829	I O	|	|	|	2.04
62.333	0.00	0.44	0.825	I O	|	|	|	2.03
62.417	0.00	0.44	0.822	I O	|	|	|	2.03
62.500	0.00	0.44	0.819	I O	|	|	|	2.02
62.583	0.00	0.44	0.816	I O	|	|	|	2.01
62.667	0.00	0.44	0.813	I O	|	|	|	2.01
62.750	0.00	0.44	0.810	I O	|	|	|	2.00
62.833	0.00	0.44	0.807	I O	|	|	|	1.99
62.917	0.00	0.44	0.804	I O	|	|	|	1.99
63.000	0.00	0.44	0.801	I O	|	|	|	1.98
63.083	0.00	0.44	0.798	I O	|	|	|	1.97
63.167	0.00	0.43	0.795	I O	|	|	|	1.97
63.250	0.00	0.43	0.792	I O	|	|	|	1.96
63.333	0.00	0.43	0.789	I O	|	|	|	1.95
63.417	0.00	0.43	0.786	I O	|	|	|	1.94
63.500	0.00	0.43	0.783	I O	|	|	|	1.94
63.583	0.00	0.43	0.780	I O	|	|	|	1.93
63.667	0.00	0.43	0.777	I O	|	|	|	1.92
63.750	0.00	0.43	0.774	I O	|	|	|	1.92
63.833	0.00	0.43	0.771	I O	|	|	|	1.91
63.917	0.00	0.43	0.769	I O	|	|	|	1.90
64.000	0.00	0.42	0.766	I O	|	|	|	1.90
64.083	0.00	0.42	0.763	I O	|	|	|	1.89
64.167	0.00	0.42	0.760	I O	|	|	|	1.88
64.250	0.00	0.42	0.757	I O	|	|	|	1.88
64.333	0.00	0.42	0.754	I O	|	|	|	1.87
64.417	0.00	0.42	0.751	I O	|	|	|	1.86
64.500	0.00	0.42	0.748	I O	|	|	|	1.86
64.583	0.00	0.42	0.745	I O	|	|	|	1.85
64.667	0.00	0.42	0.742	I O	|	|	|	1.84
64.750	0.00	0.42	0.740	I O	|	|	|	1.84
64.833	0.00	0.41	0.737	I O	|	|	|	1.83
64.917	0.00	0.41	0.734	I O	|	|	|	1.82
65.000	0.00	0.41	0.731	I O	|	|	|	1.82
65.083	0.00	0.41	0.728	I O	|	|	|	1.81
65.167	0.00	0.41	0.725	I O	|	|	|	1.80
65.250	0.00	0.41	0.723	I O	|	|	|	1.80
65.333	0.00	0.41	0.720	I O	|	|	|	1.79
65.417	0.00	0.41	0.717	I O	|	|	|	1.78
65.500	0.00	0.41	0.714	I O	|	|	|	1.78
65.583	0.00	0.41	0.711	I O	|	|	|	1.77
65.667	0.00	0.40	0.709	I O	|	|	|	1.76
65.750	0.00	0.40	0.706	I O	|	|	|	1.76
65.833	0.00	0.40	0.703	I O	|	|	|	1.75
65.917	0.00	0.40	0.700	I O	|	|	|	1.74
66.000	0.00	0.40	0.697	I O	|	|	|	1.74
66.083	0.00	0.40	0.695	I O	|	|	|	1.73
66.167	0.00	0.40	0.692	I O	|	|	|	1.73
66.250	0.00	0.40	0.689	I O	|	|	|	1.72
66.333	0.00	0.40	0.686	I O	|	|	|	1.71
66.417	0.00	0.40	0.684	I O	|	|	|	1.71
66.500	0.00	0.39	0.681	I O	|	|	|	1.70
66.583	0.00	0.39	0.678	I O	|	|	|	1.69
66.667	0.00	0.39	0.676	I O	|	|	|	1.69
66.750	0.00	0.39	0.673	I O	|	|	|	1.68
66.833	0.00	0.39	0.670	I O	|	|	|	1.67
66.917	0.00	0.39	0.667	I O	|	|	|	1.67
67.000	0.00	0.39	0.665	IO	|	|	|	1.66
67.083	0.00	0.39	0.662	IO	|	|	|	1.66

67.167	0.00	0.39	0.659	IO				1.65
67.250	0.00	0.39	0.657	IO				1.64
67.333	0.00	0.39	0.654	IO				1.64
67.417	0.00	0.38	0.651	IO				1.63
67.500	0.00	0.38	0.649	IO				1.63
67.583	0.00	0.38	0.646	IO				1.62
67.667	0.00	0.38	0.644	IO				1.61
67.750	0.00	0.38	0.641	IO				1.61
67.833	0.00	0.38	0.638	IO				1.60
67.917	0.00	0.38	0.636	IO				1.59
68.000	0.00	0.38	0.633	IO				1.59
68.083	0.00	0.38	0.630	IO				1.58
68.167	0.00	0.38	0.628	IO				1.58
68.250	0.00	0.38	0.625	IO				1.57
68.333	0.00	0.37	0.623	IO				1.56
68.417	0.00	0.37	0.620	IO				1.56
68.500	0.00	0.37	0.618	IO				1.55
68.583	0.00	0.37	0.615	IO				1.55
68.667	0.00	0.37	0.612	IO				1.54
68.750	0.00	0.37	0.610	IO				1.53
68.833	0.00	0.37	0.607	IO				1.53
68.917	0.00	0.37	0.605	IO				1.52
69.000	0.00	0.37	0.602	IO				1.52
69.083	0.00	0.37	0.600	IO				1.51
69.167	0.00	0.37	0.597	IO				1.51
69.250	0.00	0.36	0.595	IO				1.50
69.333	0.00	0.36	0.592	IO				1.49
69.417	0.00	0.36	0.590	IO				1.49
69.500	0.00	0.36	0.587	IO				1.48
69.583	0.00	0.36	0.585	IO				1.48
69.667	0.00	0.36	0.582	IO				1.47
69.750	0.00	0.36	0.580	IO				1.46
69.833	0.00	0.36	0.577	IO				1.46
69.917	0.00	0.36	0.575	IO				1.45
70.000	0.00	0.36	0.572	IO				1.45
70.083	0.00	0.36	0.570	IO				1.44
70.167	0.00	0.36	0.567	IO				1.44
70.250	0.00	0.35	0.565	IO				1.43
70.333	0.00	0.35	0.563	IO				1.42
70.417	0.00	0.35	0.560	IO				1.42
70.500	0.00	0.35	0.558	IO				1.41
70.583	0.00	0.35	0.555	IO				1.41
70.667	0.00	0.35	0.553	IO				1.40
70.750	0.00	0.35	0.550	IO				1.40
70.833	0.00	0.35	0.548	IO				1.39
70.917	0.00	0.35	0.546	IO				1.39
71.000	0.00	0.35	0.543	IO				1.38
71.083	0.00	0.35	0.541	IO				1.37
71.167	0.00	0.35	0.538	IO				1.37
71.250	0.00	0.34	0.536	IO				1.36
71.333	0.00	0.34	0.534	IO				1.36
71.417	0.00	0.34	0.531	IO				1.35
71.500	0.00	0.34	0.529	IO				1.35
71.583	0.00	0.34	0.527	IO				1.34
71.667	0.00	0.34	0.524	IO				1.34
71.750	0.00	0.34	0.522	IO				1.33
71.833	0.00	0.34	0.520	IO				1.32
71.917	0.00	0.34	0.517	IO				1.32
72.000	0.00	0.34	0.515	IO				1.31
72.083	0.00	0.34	0.513	IO				1.31
72.167	0.00	0.34	0.510	IO				1.30
72.250	0.00	0.33	0.508	IO				1.30
72.333	0.00	0.33	0.506	IO				1.29
72.417	0.00	0.33	0.503	IO				1.29
72.500	0.00	0.33	0.501	IO				1.28
72.583	0.00	0.33	0.499	IO				1.28
72.667	0.00	0.33	0.497	IO				1.27

72.750	0.00	0.33	0.494	IO				1.27
72.833	0.00	0.33	0.492	IO				1.26
72.917	0.00	0.33	0.490	IO				1.26
73.000	0.00	0.33	0.487	IO				1.25
73.083	0.00	0.33	0.485	IO				1.24
73.167	0.00	0.33	0.483	IO				1.24
73.250	0.00	0.33	0.481	IO				1.23
73.333	0.00	0.32	0.479	IO				1.23
73.417	0.00	0.32	0.476	IO				1.22
73.500	0.00	0.32	0.474	IO				1.22
73.583	0.00	0.32	0.472	IO				1.21
73.667	0.00	0.32	0.470	IO				1.21
73.750	0.00	0.32	0.467	IO				1.20
73.833	0.00	0.32	0.465	IO				1.20
73.917	0.00	0.32	0.463	IO				1.19
74.000	0.00	0.32	0.461	IO				1.19
74.083	0.00	0.32	0.459	IO				1.18
74.167	0.00	0.32	0.456	IO				1.18
74.250	0.00	0.32	0.454	IO				1.17
74.333	0.00	0.32	0.452	IO				1.17
74.417	0.00	0.31	0.450	IO				1.16
74.500	0.00	0.31	0.448	IO				1.16
74.583	0.00	0.31	0.446	IO				1.15
74.667	0.00	0.31	0.443	IO				1.15
74.750	0.00	0.31	0.441	IO				1.14
74.833	0.00	0.31	0.439	IO				1.14
74.917	0.00	0.31	0.437	IO				1.13
75.000	0.00	0.31	0.435	IO				1.13
75.083	0.00	0.31	0.433	IO				1.12
75.167	0.00	0.31	0.431	IO				1.12
75.250	0.00	0.31	0.429	IO				1.11
75.333	0.00	0.31	0.426	IO				1.11
75.417	0.00	0.31	0.424	IO				1.10
75.500	0.00	0.30	0.422	IO				1.10
75.583	0.00	0.30	0.420	IO				1.09
75.667	0.00	0.30	0.418	IO				1.09
75.750	0.00	0.30	0.416	IO				1.08
75.833	0.00	0.30	0.414	IO				1.08
75.917	0.00	0.30	0.412	IO				1.07
76.000	0.00	0.30	0.410	IO				1.07
76.083	0.00	0.30	0.408	IO				1.06
76.167	0.00	0.30	0.406	IO				1.06
76.250	0.00	0.30	0.404	IO				1.05
76.333	0.00	0.30	0.401	IO				1.05
76.417	0.00	0.30	0.399	IO				1.05
76.500	0.00	0.30	0.397	IO				1.04
76.583	0.00	0.30	0.395	IO				1.04
76.667	0.00	0.29	0.393	IO				1.03
76.750	0.00	0.29	0.391	IO				1.03
76.833	0.00	0.29	0.389	IO				1.02
76.917	0.00	0.29	0.387	IO				1.02
77.000	0.00	0.29	0.385	IO				1.01
77.083	0.00	0.29	0.383	IO				1.01
77.167	0.00	0.29	0.381	IO				1.00
77.250	0.00	0.29	0.379	IO				1.00
77.333	0.00	0.29	0.377	IO				0.99
77.417	0.00	0.29	0.375	IO				0.99
77.500	0.00	0.28	0.373	IO				0.98
77.583	0.00	0.28	0.371	IO				0.98
77.667	0.00	0.28	0.369	IO				0.97
77.750	0.00	0.28	0.367	IO				0.97
77.833	0.00	0.28	0.366	IO				0.96
77.917	0.00	0.28	0.364	IO				0.96
78.000	0.00	0.28	0.362	IO				0.95
78.083	0.00	0.27	0.360	IO				0.95
78.167	0.00	0.27	0.358	IO				0.94
78.250	0.00	0.27	0.356	IO				0.94

78.333	0.00	0.27	0.354	IO	|	|	|	0.93
78.417	0.00	0.27	0.352	IO	|	|	|	0.93
78.500	0.00	0.27	0.350	IO	|	|	|	0.92
78.583	0.00	0.27	0.349	IO	|	|	|	0.92
78.667	0.00	0.26	0.347	IO	|	|	|	0.91
78.750	0.00	0.26	0.345	IO	|	|	|	0.91
78.833	0.00	0.26	0.343	IO	|	|	|	0.90
78.917	0.00	0.26	0.341	IO	|	|	|	0.90
79.000	0.00	0.26	0.340	IO	|	|	|	0.89
79.083	0.00	0.26	0.338	IO	|	|	|	0.89
79.167	0.00	0.26	0.336	IO	|	|	|	0.88
79.250	0.00	0.26	0.334	IO	|	|	|	0.88
79.333	0.00	0.25	0.333	IO	|	|	|	0.88
79.417	0.00	0.25	0.331	IO	|	|	|	0.87
79.500	0.00	0.25	0.329	IO	|	|	|	0.87
79.583	0.00	0.25	0.327	IO	|	|	|	0.86
79.667	0.00	0.25	0.326	IO	|	|	|	0.86
79.750	0.00	0.25	0.324	IO	|	|	|	0.85
79.833	0.00	0.25	0.322	IO	|	|	|	0.85
79.917	0.00	0.24	0.321	IO	|	|	|	0.84
80.000	0.00	0.24	0.319	IO	|	|	|	0.84
80.083	0.00	0.24	0.317	IO	|	|	|	0.83
80.167	0.00	0.24	0.316	IO	|	|	|	0.83
80.250	0.00	0.24	0.314	IO	|	|	|	0.83
80.333	0.00	0.24	0.312	IO	|	|	|	0.82
80.417	0.00	0.24	0.311	IO	|	|	|	0.82
80.500	0.00	0.24	0.309	IO	|	|	|	0.81
80.583	0.00	0.23	0.307	IO	|	|	|	0.81
80.667	0.00	0.23	0.306	IO	|	|	|	0.80
80.750	0.00	0.23	0.304	IO	|	|	|	0.80
80.833	0.00	0.23	0.303	IO	|	|	|	0.80
80.917	0.00	0.23	0.301	IO	|	|	|	0.79
81.000	0.00	0.23	0.299	IO	|	|	|	0.79
81.083	0.00	0.23	0.298	IO	|	|	|	0.78
81.167	0.00	0.23	0.296	IO	|	|	|	0.78
81.250	0.00	0.22	0.295	IO	|	|	|	0.78
81.333	0.00	0.22	0.293	IO	|	|	|	0.77
81.417	0.00	0.22	0.292	IO	|	|	|	0.77
81.500	0.00	0.22	0.290	IO	|	|	|	0.76
81.583	0.00	0.22	0.289	IO	|	|	|	0.76
81.667	0.00	0.22	0.287	IO	|	|	|	0.76
81.750	0.00	0.22	0.286	IO	|	|	|	0.75
81.833	0.00	0.22	0.284	IO	|	|	|	0.75
81.917	0.00	0.22	0.283	IO	|	|	|	0.74
82.000	0.00	0.21	0.281	IO	|	|	|	0.74
82.083	0.00	0.21	0.280	IO	|	|	|	0.74
82.167	0.00	0.21	0.278	IO	|	|	|	0.73
82.250	0.00	0.21	0.277	IO	|	|	|	0.73
82.333	0.00	0.21	0.275	IO	|	|	|	0.72
82.417	0.00	0.21	0.274	IO	|	|	|	0.72
82.500	0.00	0.21	0.272	IO	|	|	|	0.72
82.583	0.00	0.21	0.271	IO	|	|	|	0.71
82.667	0.00	0.21	0.269	IO	|	|	|	0.71
82.750	0.00	0.20	0.268	IO	|	|	|	0.71
82.833	0.00	0.20	0.267	IO	|	|	|	0.70
82.917	0.00	0.20	0.265	IO	|	|	|	0.70
83.000	0.00	0.20	0.264	IO	|	|	|	0.69
83.083	0.00	0.20	0.262	IO	|	|	|	0.69
83.167	0.00	0.20	0.261	IO	|	|	|	0.69
83.250	0.00	0.20	0.260	IO	|	|	|	0.68
83.333	0.00	0.20	0.258	IO	|	|	|	0.68
83.417	0.00	0.20	0.257	IO	|	|	|	0.68
83.500	0.00	0.20	0.256	IO	|	|	|	0.67
83.583	0.00	0.19	0.254	O	|	|	|	0.67
83.667	0.00	0.19	0.253	O	|	|	|	0.67
83.750	0.00	0.19	0.252	O	|	|	|	0.66
83.833	0.00	0.19	0.250	O	|	|	|	0.66

83.917	0.00	0.19	0.249	O	|	|	|	0.66
84.000	0.00	0.19	0.248	O	|	|	|	0.65
84.083	0.00	0.19	0.246	O	|	|	|	0.65
84.167	0.00	0.19	0.245	O	|	|	|	0.65
84.250	0.00	0.19	0.244	O	|	|	|	0.64
84.333	0.00	0.19	0.243	O	|	|	|	0.64
84.417	0.00	0.18	0.241	O	|	|	|	0.64
84.500	0.00	0.18	0.240	O	|	|	|	0.63
84.583	0.00	0.18	0.239	O	|	|	|	0.63
84.667	0.00	0.18	0.238	O	|	|	|	0.63
84.750	0.00	0.18	0.236	O	|	|	|	0.62
84.833	0.00	0.18	0.235	O	|	|	|	0.62
84.917	0.00	0.18	0.234	O	|	|	|	0.62
85.000	0.00	0.18	0.233	O	|	|	|	0.61
85.083	0.00	0.18	0.231	O	|	|	|	0.61
85.167	0.00	0.18	0.230	O	|	|	|	0.61
85.250	0.00	0.17	0.229	O	|	|	|	0.60
85.333	0.00	0.17	0.228	O	|	|	|	0.60
85.417	0.00	0.17	0.227	O	|	|	|	0.60
85.500	0.00	0.17	0.225	O	|	|	|	0.59
85.583	0.00	0.17	0.224	O	|	|	|	0.59
85.667	0.00	0.17	0.223	O	|	|	|	0.59
85.750	0.00	0.17	0.222	O	|	|	|	0.58
85.833	0.00	0.17	0.221	O	|	|	|	0.58
85.917	0.00	0.17	0.220	O	|	|	|	0.58
86.000	0.00	0.17	0.218	O	|	|	|	0.57
86.083	0.00	0.17	0.217	O	|	|	|	0.57
86.167	0.00	0.16	0.216	O	|	|	|	0.57
86.250	0.00	0.16	0.215	O	|	|	|	0.57
86.333	0.00	0.16	0.214	O	|	|	|	0.56
86.417	0.00	0.16	0.213	O	|	|	|	0.56
86.500	0.00	0.16	0.212	O	|	|	|	0.56
86.583	0.00	0.16	0.210	O	|	|	|	0.55
86.667	0.00	0.16	0.209	O	|	|	|	0.55
86.750	0.00	0.16	0.208	O	|	|	|	0.55
86.833	0.00	0.16	0.207	O	|	|	|	0.55
86.917	0.00	0.16	0.206	O	|	|	|	0.54
87.000	0.00	0.16	0.205	O	|	|	|	0.54
87.083	0.00	0.16	0.204	O	|	|	|	0.54
87.167	0.00	0.15	0.203	O	|	|	|	0.53
87.250	0.00	0.15	0.202	O	|	|	|	0.53
87.333	0.00	0.15	0.201	O	|	|	|	0.53
87.417	0.00	0.15	0.200	O	|	|	|	0.53
87.500	0.00	0.15	0.199	O	|	|	|	0.52
87.583	0.00	0.15	0.198	O	|	|	|	0.52
87.667	0.00	0.15	0.197	O	|	|	|	0.52
87.750	0.00	0.15	0.196	O	|	|	|	0.51
87.833	0.00	0.15	0.195	O	|	|	|	0.51
87.917	0.00	0.15	0.194	O	|	|	|	0.51
88.000	0.00	0.15	0.193	O	|	|	|	0.51
88.083	0.00	0.15	0.191	O	|	|	|	0.50
88.167	0.00	0.15	0.190	O	|	|	|	0.50
88.250	0.00	0.14	0.189	O	|	|	|	0.50
88.333	0.00	0.14	0.189	O	|	|	|	0.50
88.417	0.00	0.14	0.188	O	|	|	|	0.49
88.500	0.00	0.14	0.187	O	|	|	|	0.49
88.583	0.00	0.14	0.186	O	|	|	|	0.49
88.667	0.00	0.14	0.185	O	|	|	|	0.49
88.750	0.00	0.14	0.184	O	|	|	|	0.48
88.833	0.00	0.14	0.183	O	|	|	|	0.48
88.917	0.00	0.14	0.182	O	|	|	|	0.48
89.000	0.00	0.14	0.181	O	|	|	|	0.48
89.083	0.00	0.14	0.180	O	|	|	|	0.47
89.167	0.00	0.14	0.179	O	|	|	|	0.47
89.250	0.00	0.14	0.178	O	|	|	|	0.47
89.333	0.00	0.14	0.177	O	|	|	|	0.47
89.417	0.00	0.13	0.176	O	|	|	|	0.46

89.500	0.00	0.13	0.175	O	|	|	|	|	0.46
89.583	0.00	0.13	0.174	O	|	|	|	|	0.46
89.667	0.00	0.13	0.173	O	|	|	|	|	0.46
89.750	0.00	0.13	0.172	O	|	|	|	|	0.45
89.833	0.00	0.13	0.171	O	|	|	|	|	0.45
89.917	0.00	0.13	0.171	O	|	|	|	|	0.45
90.000	0.00	0.13	0.170	O	|	|	|	|	0.45
90.083	0.00	0.13	0.169	O	|	|	|	|	0.44
90.167	0.00	0.13	0.168	O	|	|	|	|	0.44
90.250	0.00	0.13	0.167	O	|	|	|	|	0.44
90.333	0.00	0.13	0.166	O	|	|	|	|	0.44
90.417	0.00	0.13	0.165	O	|	|	|	|	0.43
90.500	0.00	0.13	0.164	O	|	|	|	|	0.43
90.583	0.00	0.12	0.164	O	|	|	|	|	0.43
90.667	0.00	0.12	0.163	O	|	|	|	|	0.43
90.750	0.00	0.12	0.162	O	|	|	|	|	0.43
90.833	0.00	0.12	0.161	O	|	|	|	|	0.42
90.917	0.00	0.12	0.160	O	|	|	|	|	0.42
91.000	0.00	0.12	0.159	O	|	|	|	|	0.42
91.083	0.00	0.12	0.158	O	|	|	|	|	0.42
91.167	0.00	0.12	0.158	O	|	|	|	|	0.41
91.250	0.00	0.12	0.157	O	|	|	|	|	0.41
91.333	0.00	0.12	0.156	O	|	|	|	|	0.41
91.417	0.00	0.12	0.155	O	|	|	|	|	0.41
91.500	0.00	0.12	0.154	O	|	|	|	|	0.41
91.583	0.00	0.12	0.154	O	|	|	|	|	0.40
91.667	0.00	0.12	0.153	O	|	|	|	|	0.40
91.750	0.00	0.12	0.152	O	|	|	|	|	0.40
91.833	0.00	0.12	0.151	O	|	|	|	|	0.40
91.917	0.00	0.11	0.150	O	|	|	|	|	0.40
92.000	0.00	0.11	0.150	O	|	|	|	|	0.39
92.083	0.00	0.11	0.149	O	|	|	|	|	0.39
92.167	0.00	0.11	0.148	O	|	|	|	|	0.39
92.250	0.00	0.11	0.147	O	|	|	|	|	0.39
92.333	0.00	0.11	0.146	O	|	|	|	|	0.39
92.417	0.00	0.11	0.146	O	|	|	|	|	0.38
92.500	0.00	0.11	0.145	O	|	|	|	|	0.38
92.583	0.00	0.11	0.144	O	|	|	|	|	0.38
92.667	0.00	0.11	0.143	O	|	|	|	|	0.38
92.750	0.00	0.11	0.143	O	|	|	|	|	0.38
92.833	0.00	0.11	0.142	O	|	|	|	|	0.37
92.917	0.00	0.11	0.141	O	|	|	|	|	0.37
93.000	0.00	0.11	0.140	O	|	|	|	|	0.37
93.083	0.00	0.11	0.140	O	|	|	|	|	0.37
93.167	0.00	0.11	0.139	O	|	|	|	|	0.37
93.250	0.00	0.11	0.138	O	|	|	|	|	0.36
93.333	0.00	0.10	0.138	O	|	|	|	|	0.36
93.417	0.00	0.10	0.137	O	|	|	|	|	0.36
93.500	0.00	0.10	0.136	O	|	|	|	|	0.36
93.583	0.00	0.10	0.135	O	|	|	|	|	0.36
93.667	0.00	0.10	0.135	O	|	|	|	|	0.35
93.750	0.00	0.10	0.134	O	|	|	|	|	0.35
93.833	0.00	0.10	0.133	O	|	|	|	|	0.35
93.917	0.00	0.10	0.133	O	|	|	|	|	0.35
94.000	0.00	0.10	0.132	O	|	|	|	|	0.35
94.083	0.00	0.10	0.131	O	|	|	|	|	0.35
94.167	0.00	0.10	0.130	O	|	|	|	|	0.34
94.250	0.00	0.10	0.130	O	|	|	|	|	0.34
94.333	0.00	0.10	0.129	O	|	|	|	|	0.34
94.417	0.00	0.10	0.128	O	|	|	|	|	0.34
94.500	0.00	0.10	0.128	O	|	|	|	|	0.34
94.583	0.00	0.10	0.127	O	|	|	|	|	0.33
94.667	0.00	0.10	0.126	O	|	|	|	|	0.33
94.750	0.00	0.10	0.126	O	|	|	|	|	0.33
94.833	0.00	0.10	0.125	O	|	|	|	|	0.33
94.917	0.00	0.09	0.124	O	|	|	|	|	0.33
95.000	0.00	0.09	0.124	O	|	|	|	|	0.33

95.083	0.00	0.09	0.123	O	|	|	|	0.32
95.167	0.00	0.09	0.123	O	|	|	|	0.32
95.250	0.00	0.09	0.122	O	|	|	|	0.32
95.333	0.00	0.09	0.121	O	|	|	|	0.32
95.417	0.00	0.09	0.121	O	|	|	|	0.32
95.500	0.00	0.09	0.120	O	|	|	|	0.32
95.583	0.00	0.09	0.119	O	|	|	|	0.31
95.667	0.00	0.09	0.119	O	|	|	|	0.31
95.750	0.00	0.09	0.118	O	|	|	|	0.31
95.833	0.00	0.09	0.117	O	|	|	|	0.31
95.917	0.00	0.09	0.117	O	|	|	|	0.31
96.000	0.00	0.09	0.116	O	|	|	|	0.31
96.083	0.00	0.09	0.116	O	|	|	|	0.30
96.167	0.00	0.09	0.115	O	|	|	|	0.30
96.250	0.00	0.09	0.114	O	|	|	|	0.30
96.333	0.00	0.09	0.114	O	|	|	|	0.30
96.417	0.00	0.09	0.113	O	|	|	|	0.30
96.500	0.00	0.09	0.113	O	|	|	|	0.30
96.583	0.00	0.09	0.112	O	|	|	|	0.29
96.667	0.00	0.09	0.111	O	|	|	|	0.29
96.750	0.00	0.08	0.111	O	|	|	|	0.29
96.833	0.00	0.08	0.110	O	|	|	|	0.29
96.917	0.00	0.08	0.110	O	|	|	|	0.29
97.000	0.00	0.08	0.109	O	|	|	|	0.29
97.083	0.00	0.08	0.109	O	|	|	|	0.29
97.167	0.00	0.08	0.108	O	|	|	|	0.28
97.250	0.00	0.08	0.107	O	|	|	|	0.28
97.333	0.00	0.08	0.107	O	|	|	|	0.28
97.417	0.00	0.08	0.106	O	|	|	|	0.28
97.500	0.00	0.08	0.106	O	|	|	|	0.28
97.583	0.00	0.08	0.105	O	|	|	|	0.28
97.667	0.00	0.08	0.105	O	|	|	|	0.28
97.750	0.00	0.08	0.104	O	|	|	|	0.27
97.833	0.00	0.08	0.104	O	|	|	|	0.27
97.917	0.00	0.08	0.103	O	|	|	|	0.27
98.000	0.00	0.08	0.102	O	|	|	|	0.27
98.083	0.00	0.08	0.102	O	|	|	|	0.27
98.167	0.00	0.08	0.101	O	|	|	|	0.27
98.250	0.00	0.08	0.101	O	|	|	|	0.27
98.333	0.00	0.08	0.100	O	|	|	|	0.26
98.417	0.00	0.08	0.100	O	|	|	|	0.26
98.500	0.00	0.08	0.099	O	|	|	|	0.26
98.583	0.00	0.08	0.099	O	|	|	|	0.26
98.667	0.00	0.07	0.098	O	|	|	|	0.26
98.750	0.00	0.07	0.098	O	|	|	|	0.26
98.833	0.00	0.07	0.097	O	|	|	|	0.26
98.917	0.00	0.07	0.097	O	|	|	|	0.25
99.000	0.00	0.07	0.096	O	|	|	|	0.25
99.083	0.00	0.07	0.096	O	|	|	|	0.25
99.167	0.00	0.07	0.095	O	|	|	|	0.25
99.250	0.00	0.07	0.095	O	|	|	|	0.25
99.333	0.00	0.07	0.094	O	|	|	|	0.25
99.417	0.00	0.07	0.094	O	|	|	|	0.25
99.500	0.00	0.07	0.093	O	|	|	|	0.25
99.583	0.00	0.07	0.093	O	|	|	|	0.24
99.667	0.00	0.07	0.092	O	|	|	|	0.24
99.750	0.00	0.07	0.092	O	|	|	|	0.24
99.833	0.00	0.07	0.091	O	|	|	|	0.24
99.917	0.00	0.07	0.091	O	|	|	|	0.24
100.000	0.00	0.07	0.090	O	|	|	|	0.24
100.083	0.00	0.07	0.090	O	|	|	|	0.24
100.167	0.00	0.07	0.089	O	|	|	|	0.24
100.250	0.00	0.07	0.089	O	|	|	|	0.23
100.333	0.00	0.07	0.088	O	|	|	|	0.23
100.417	0.00	0.07	0.088	O	|	|	|	0.23
100.500	0.00	0.07	0.088	O	|	|	|	0.23
100.583	0.00	0.07	0.087	O	|	|	|	0.23

100.667	0.00	0.07	0.087	O	|	|	|	| 0.23
100.750	0.00	0.07	0.086	O	|	|	|	| 0.23
100.833	0.00	0.07	0.086	O	|	|	|	| 0.23
100.917	0.00	0.07	0.085	O	|	|	|	| 0.22
101.000	0.00	0.06	0.085	O	|	|	|	| 0.22
101.083	0.00	0.06	0.084	O	|	|	|	| 0.22
101.167	0.00	0.06	0.084	O	|	|	|	| 0.22
101.250	0.00	0.06	0.083	O	|	|	|	| 0.22
101.333	0.00	0.06	0.083	O	|	|	|	| 0.22
101.417	0.00	0.06	0.083	O	|	|	|	| 0.22
101.500	0.00	0.06	0.082	O	|	|	|	| 0.22
101.583	0.00	0.06	0.082	O	|	|	|	| 0.22
101.667	0.00	0.06	0.081	O	|	|	|	| 0.21
101.750	0.00	0.06	0.081	O	|	|	|	| 0.21
101.833	0.00	0.06	0.080	O	|	|	|	| 0.21
101.917	0.00	0.06	0.080	O	|	|	|	| 0.21
102.000	0.00	0.06	0.080	O	|	|	|	| 0.21
102.083	0.00	0.06	0.079	O	|	|	|	| 0.21
102.167	0.00	0.06	0.079	O	|	|	|	| 0.21
102.250	0.00	0.06	0.078	O	|	|	|	| 0.21
102.333	0.00	0.06	0.078	O	|	|	|	| 0.21
102.417	0.00	0.06	0.078	O	|	|	|	| 0.20
102.500	0.00	0.06	0.077	O	|	|	|	| 0.20
102.583	0.00	0.06	0.077	O	|	|	|	| 0.20
102.667	0.00	0.06	0.076	O	|	|	|	| 0.20
102.750	0.00	0.06	0.076	O	|	|	|	| 0.20
102.833	0.00	0.06	0.076	O	|	|	|	| 0.20
102.917	0.00	0.06	0.075	O	|	|	|	| 0.20
103.000	0.00	0.06	0.075	O	|	|	|	| 0.20
103.083	0.00	0.06	0.074	O	|	|	|	| 0.20
103.167	0.00	0.06	0.074	O	|	|	|	| 0.19
103.250	0.00	0.06	0.074	O	|	|	|	| 0.19
103.333	0.00	0.06	0.073	O	|	|	|	| 0.19
103.417	0.00	0.06	0.073	O	|	|	|	| 0.19
103.500	0.00	0.06	0.072	O	|	|	|	| 0.19
103.583	0.00	0.05	0.072	O	|	|	|	| 0.19
103.667	0.00	0.05	0.072	O	|	|	|	| 0.19
103.750	0.00	0.05	0.071	O	|	|	|	| 0.19
103.833	0.00	0.05	0.071	O	|	|	|	| 0.19
103.917	0.00	0.05	0.071	O	|	|	|	| 0.19
104.000	0.00	0.05	0.070	O	|	|	|	| 0.18
104.083	0.00	0.05	0.070	O	|	|	|	| 0.18
104.167	0.00	0.05	0.069	O	|	|	|	| 0.18
104.250	0.00	0.05	0.069	O	|	|	|	| 0.18
104.333	0.00	0.05	0.069	O	|	|	|	| 0.18
104.417	0.00	0.05	0.068	O	|	|	|	| 0.18
104.500	0.00	0.05	0.068	O	|	|	|	| 0.18
104.583	0.00	0.05	0.068	O	|	|	|	| 0.18
104.667	0.00	0.05	0.067	O	|	|	|	| 0.18
104.750	0.00	0.05	0.067	O	|	|	|	| 0.18
104.833	0.00	0.05	0.067	O	|	|	|	| 0.18
104.917	0.00	0.05	0.066	O	|	|	|	| 0.17
105.000	0.00	0.05	0.066	O	|	|	|	| 0.17
105.083	0.00	0.05	0.066	O	|	|	|	| 0.17
105.167	0.00	0.05	0.065	O	|	|	|	| 0.17
105.250	0.00	0.05	0.065	O	|	|	|	| 0.17
105.333	0.00	0.05	0.065	O	|	|	|	| 0.17
105.417	0.00	0.05	0.064	O	|	|	|	| 0.17
105.500	0.00	0.05	0.064	O	|	|	|	| 0.17
105.583	0.00	0.05	0.064	O	|	|	|	| 0.17
105.667	0.00	0.05	0.063	O	|	|	|	| 0.17
105.750	0.00	0.05	0.063	O	|	|	|	| 0.17
105.833	0.00	0.05	0.063	O	|	|	|	| 0.16
105.917	0.00	0.05	0.062	O	|	|	|	| 0.16
106.000	0.00	0.05	0.062	O	|	|	|	| 0.16
106.083	0.00	0.05	0.062	O	|	|	|	| 0.16
106.167	0.00	0.05	0.061	O	|	|	|	| 0.16

106.250	0.00	0.05	0.061	O	|	|	|	0.16
106.333	0.00	0.05	0.061	O	|	|	|	0.16
106.417	0.00	0.05	0.060	O	|	|	|	0.16
106.500	0.00	0.05	0.060	O	|	|	|	0.16
106.583	0.00	0.05	0.060	O	|	|	|	0.16
106.667	0.00	0.05	0.059	O	|	|	|	0.16
106.750	0.00	0.05	0.059	O	|	|	|	0.16
106.833	0.00	0.04	0.059	O	|	|	|	0.15
106.917	0.00	0.04	0.058	O	|	|	|	0.15
107.000	0.00	0.04	0.058	O	|	|	|	0.15
107.083	0.00	0.04	0.058	O	|	|	|	0.15
107.167	0.00	0.04	0.057	O	|	|	|	0.15
107.250	0.00	0.04	0.057	O	|	|	|	0.15
107.333	0.00	0.04	0.057	O	|	|	|	0.15
107.417	0.00	0.04	0.057	O	|	|	|	0.15
107.500	0.00	0.04	0.056	O	|	|	|	0.15
107.583	0.00	0.04	0.056	O	|	|	|	0.15
107.667	0.00	0.04	0.056	O	|	|	|	0.15
107.750	0.00	0.04	0.055	O	|	|	|	0.15
107.833	0.00	0.04	0.055	O	|	|	|	0.15
107.917	0.00	0.04	0.055	O	|	|	|	0.14
108.000	0.00	0.04	0.055	O	|	|	|	0.14
108.083	0.00	0.04	0.054	O	|	|	|	0.14
108.167	0.00	0.04	0.054	O	|	|	|	0.14
108.250	0.00	0.04	0.054	O	|	|	|	0.14
108.333	0.00	0.04	0.053	O	|	|	|	0.14
108.417	0.00	0.04	0.053	O	|	|	|	0.14
108.500	0.00	0.04	0.053	O	|	|	|	0.14
108.583	0.00	0.04	0.053	O	|	|	|	0.14
108.667	0.00	0.04	0.052	O	|	|	|	0.14
108.750	0.00	0.04	0.052	O	|	|	|	0.14
108.833	0.00	0.04	0.052	O	|	|	|	0.14
108.917	0.00	0.04	0.051	O	|	|	|	0.14
109.000	0.00	0.04	0.051	O	|	|	|	0.13
109.083	0.00	0.04	0.051	O	|	|	|	0.13
109.167	0.00	0.04	0.051	O	|	|	|	0.13
109.250	0.00	0.04	0.050	O	|	|	|	0.13
109.333	0.00	0.04	0.050	O	|	|	|	0.13
109.417	0.00	0.04	0.050	O	|	|	|	0.13
109.500	0.00	0.04	0.050	O	|	|	|	0.13
109.583	0.00	0.04	0.049	O	|	|	|	0.13
109.667	0.00	0.04	0.049	O	|	|	|	0.13
109.750	0.00	0.04	0.049	O	|	|	|	0.13
109.833	0.00	0.04	0.049	O	|	|	|	0.13
109.917	0.00	0.04	0.048	O	|	|	|	0.13
110.000	0.00	0.04	0.048	O	|	|	|	0.13
110.083	0.00	0.04	0.048	O	|	|	|	0.13
110.167	0.00	0.04	0.048	O	|	|	|	0.13
110.250	0.00	0.04	0.047	O	|	|	|	0.12
110.333	0.00	0.04	0.047	O	|	|	|	0.12
110.417	0.00	0.04	0.047	O	|	|	|	0.12
110.500	0.00	0.04	0.047	O	|	|	|	0.12
110.583	0.00	0.04	0.046	O	|	|	|	0.12
110.667	0.00	0.04	0.046	O	|	|	|	0.12
110.750	0.00	0.03	0.046	O	|	|	|	0.12
110.833	0.00	0.03	0.046	O	|	|	|	0.12
110.917	0.00	0.03	0.045	O	|	|	|	0.12
111.000	0.00	0.03	0.045	O	|	|	|	0.12
111.083	0.00	0.03	0.045	O	|	|	|	0.12
111.167	0.00	0.03	0.045	O	|	|	|	0.12
111.250	0.00	0.03	0.044	O	|	|	|	0.12
111.333	0.00	0.03	0.044	O	|	|	|	0.12
111.417	0.00	0.03	0.044	O	|	|	|	0.12
111.500	0.00	0.03	0.044	O	|	|	|	0.12
111.583	0.00	0.03	0.043	O	|	|	|	0.11
111.667	0.00	0.03	0.043	O	|	|	|	0.11
111.750	0.00	0.03	0.043	O	|	|	|	0.11

111.833	0.00	0.03	0.043	O	|	|	|	|	0.11
111.917	0.00	0.03	0.043	O	|	|	|	|	0.11
112.000	0.00	0.03	0.042	O	|	|	|	|	0.11
112.083	0.00	0.03	0.042	O	|	|	|	|	0.11
112.167	0.00	0.03	0.042	O	|	|	|	|	0.11
112.250	0.00	0.03	0.042	O	|	|	|	|	0.11
112.333	0.00	0.03	0.041	O	|	|	|	|	0.11
112.417	0.00	0.03	0.041	O	|	|	|	|	0.11
112.500	0.00	0.03	0.041	O	|	|	|	|	0.11
112.583	0.00	0.03	0.041	O	|	|	|	|	0.11
112.667	0.00	0.03	0.041	O	|	|	|	|	0.11
112.750	0.00	0.03	0.040	O	|	|	|	|	0.11
112.833	0.00	0.03	0.040	O	|	|	|	|	0.11
112.917	0.00	0.03	0.040	O	|	|	|	|	0.11
113.000	0.00	0.03	0.040	O	|	|	|	|	0.10
113.083	0.00	0.03	0.040	O	|	|	|	|	0.10
113.167	0.00	0.03	0.039	O	|	|	|	|	0.10
113.250	0.00	0.03	0.039	O	|	|	|	|	0.10
113.333	0.00	0.03	0.039	O	|	|	|	|	0.10
113.417	0.00	0.03	0.039	O	|	|	|	|	0.10
113.500	0.00	0.03	0.039	O	|	|	|	|	0.10
113.583	0.00	0.03	0.038	O	|	|	|	|	0.10
113.667	0.00	0.03	0.038	O	|	|	|	|	0.10
113.750	0.00	0.03	0.038	O	|	|	|	|	0.10
113.833	0.00	0.03	0.038	O	|	|	|	|	0.10
113.917	0.00	0.03	0.038	O	|	|	|	|	0.10
114.000	0.00	0.03	0.037	O	|	|	|	|	0.10
114.083	0.00	0.03	0.037	O	|	|	|	|	0.10
114.167	0.00	0.03	0.037	O	|	|	|	|	0.10
114.250	0.00	0.03	0.037	O	|	|	|	|	0.10
114.333	0.00	0.03	0.037	O	|	|	|	|	0.10
114.417	0.00	0.03	0.036	O	|	|	|	|	0.10
114.500	0.00	0.03	0.036	O	|	|	|	|	0.10
114.583	0.00	0.03	0.036	O	|	|	|	|	0.09
114.667	0.00	0.03	0.036	O	|	|	|	|	0.09
114.750	0.00	0.03	0.036	O	|	|	|	|	0.09
114.833	0.00	0.03	0.035	O	|	|	|	|	0.09
114.917	0.00	0.03	0.035	O	|	|	|	|	0.09
115.000	0.00	0.03	0.035	O	|	|	|	|	0.09
115.083	0.00	0.03	0.035	O	|	|	|	|	0.09
115.167	0.00	0.03	0.035	O	|	|	|	|	0.09
115.250	0.00	0.03	0.035	O	|	|	|	|	0.09
115.333	0.00	0.03	0.034	O	|	|	|	|	0.09
115.417	0.00	0.03	0.034	O	|	|	|	|	0.09
115.500	0.00	0.03	0.034	O	|	|	|	|	0.09
115.583	0.00	0.03	0.034	O	|	|	|	|	0.09
115.667	0.00	0.03	0.034	O	|	|	|	|	0.09
115.750	0.00	0.03	0.033	O	|	|	|	|	0.09
115.833	0.00	0.03	0.033	O	|	|	|	|	0.09
115.917	0.00	0.03	0.033	O	|	|	|	|	0.09
116.000	0.00	0.03	0.033	O	|	|	|	|	0.09
116.083	0.00	0.02	0.033	O	|	|	|	|	0.09
116.167	0.00	0.02	0.033	O	|	|	|	|	0.09
116.250	0.00	0.02	0.032	O	|	|	|	|	0.09
116.333	0.00	0.02	0.032	O	|	|	|	|	0.08
116.417	0.00	0.02	0.032	O	|	|	|	|	0.08
116.500	0.00	0.02	0.032	O	|	|	|	|	0.08
116.583	0.00	0.02	0.032	O	|	|	|	|	0.08
116.667	0.00	0.02	0.032	O	|	|	|	|	0.08
116.750	0.00	0.02	0.031	O	|	|	|	|	0.08
116.833	0.00	0.02	0.031	O	|	|	|	|	0.08
116.917	0.00	0.02	0.031	O	|	|	|	|	0.08
117.000	0.00	0.02	0.031	O	|	|	|	|	0.08
117.083	0.00	0.02	0.031	O	|	|	|	|	0.08
117.167	0.00	0.02	0.031	O	|	|	|	|	0.08
117.250	0.00	0.02	0.030	O	|	|	|	|	0.08
117.333	0.00	0.02	0.030	O	|	|	|	|	0.08

117.417	0.00	0.02	0.030	O	|	|	|	|	0.08
117.500	0.00	0.02	0.030	O	|	|	|	|	0.08
117.583	0.00	0.02	0.030	O	|	|	|	|	0.08
117.667	0.00	0.02	0.030	O	|	|	|	|	0.08
117.750	0.00	0.02	0.029	O	|	|	|	|	0.08
117.833	0.00	0.02	0.029	O	|	|	|	|	0.08
117.917	0.00	0.02	0.029	O	|	|	|	|	0.08
118.000	0.00	0.02	0.029	O	|	|	|	|	0.08
118.083	0.00	0.02	0.029	O	|	|	|	|	0.08
118.167	0.00	0.02	0.029	O	|	|	|	|	0.08
118.250	0.00	0.02	0.029	O	|	|	|	|	0.08
118.333	0.00	0.02	0.028	O	|	|	|	|	0.07
118.417	0.00	0.02	0.028	O	|	|	|	|	0.07
118.500	0.00	0.02	0.028	O	|	|	|	|	0.07
118.583	0.00	0.02	0.028	O	|	|	|	|	0.07
118.667	0.00	0.02	0.028	O	|	|	|	|	0.07
118.750	0.00	0.02	0.028	O	|	|	|	|	0.07
118.833	0.00	0.02	0.028	O	|	|	|	|	0.07
118.917	0.00	0.02	0.027	O	|	|	|	|	0.07
119.000	0.00	0.02	0.027	O	|	|	|	|	0.07
119.083	0.00	0.02	0.027	O	|	|	|	|	0.07
119.167	0.00	0.02	0.027	O	|	|	|	|	0.07
119.250	0.00	0.02	0.027	O	|	|	|	|	0.07
119.333	0.00	0.02	0.027	O	|	|	|	|	0.07
119.417	0.00	0.02	0.027	O	|	|	|	|	0.07
119.500	0.00	0.02	0.026	O	|	|	|	|	0.07
119.583	0.00	0.02	0.026	O	|	|	|	|	0.07
119.667	0.00	0.02	0.026	O	|	|	|	|	0.07
119.750	0.00	0.02	0.026	O	|	|	|	|	0.07
119.833	0.00	0.02	0.026	O	|	|	|	|	0.07
119.917	0.00	0.02	0.026	O	|	|	|	|	0.07
120.000	0.00	0.02	0.026	O	|	|	|	|	0.07
120.083	0.00	0.02	0.025	O	|	|	|	|	0.07
120.167	0.00	0.02	0.025	O	|	|	|	|	0.07
120.250	0.00	0.02	0.025	O	|	|	|	|	0.07
120.333	0.00	0.02	0.025	O	|	|	|	|	0.07
120.417	0.00	0.02	0.025	O	|	|	|	|	0.07
120.500	0.00	0.02	0.025	O	|	|	|	|	0.07
120.583	0.00	0.02	0.025	O	|	|	|	|	0.06
120.667	0.00	0.02	0.025	O	|	|	|	|	0.06
120.750	0.00	0.02	0.024	O	|	|	|	|	0.06
120.833	0.00	0.02	0.024	O	|	|	|	|	0.06
120.917	0.00	0.02	0.024	O	|	|	|	|	0.06
121.000	0.00	0.02	0.024	O	|	|	|	|	0.06
121.083	0.00	0.02	0.024	O	|	|	|	|	0.06
121.167	0.00	0.02	0.024	O	|	|	|	|	0.06
121.250	0.00	0.02	0.024	O	|	|	|	|	0.06
121.333	0.00	0.02	0.024	O	|	|	|	|	0.06
121.417	0.00	0.02	0.023	O	|	|	|	|	0.06
121.500	0.00	0.02	0.023	O	|	|	|	|	0.06
121.583	0.00	0.02	0.023	O	|	|	|	|	0.06
121.667	0.00	0.02	0.023	O	|	|	|	|	0.06
121.750	0.00	0.02	0.023	O	|	|	|	|	0.06
121.833	0.00	0.02	0.023	O	|	|	|	|	0.06
121.917	0.00	0.02	0.023	O	|	|	|	|	0.06
122.000	0.00	0.02	0.023	O	|	|	|	|	0.06
122.083	0.00	0.02	0.022	O	|	|	|	|	0.06
122.167	0.00	0.02	0.022	O	|	|	|	|	0.06
122.250	0.00	0.02	0.022	O	|	|	|	|	0.06
122.333	0.00	0.02	0.022	O	|	|	|	|	0.06
122.417	0.00	0.02	0.022	O	|	|	|	|	0.06
122.500	0.00	0.02	0.022	O	|	|	|	|	0.06
122.583	0.00	0.02	0.022	O	|	|	|	|	0.06
122.667	0.00	0.02	0.022	O	|	|	|	|	0.06
122.750	0.00	0.02	0.022	O	|	|	|	|	0.06
122.833	0.00	0.02	0.021	O	|	|	|	|	0.06
122.917	0.00	0.02	0.021	O	|	|	|	|	0.06

123.000	0.00	0.02	0.021	O	|	|	|	|	0.06
123.083	0.00	0.02	0.021	O	|	|	|	|	0.06
123.167	0.00	0.02	0.021	O	|	|	|	|	0.06
123.250	0.00	0.02	0.021	O	|	|	|	|	0.05
123.333	0.00	0.02	0.021	O	|	|	|	|	0.05
123.417	0.00	0.02	0.021	O	|	|	|	|	0.05
123.500	0.00	0.02	0.021	O	|	|	|	|	0.05
123.583	0.00	0.02	0.020	O	|	|	|	|	0.05
123.667	0.00	0.02	0.020	O	|	|	|	|	0.05
123.750	0.00	0.02	0.020	O	|	|	|	|	0.05
123.833	0.00	0.02	0.020	O	|	|	|	|	0.05
123.917	0.00	0.02	0.020	O	|	|	|	|	0.05
124.000	0.00	0.02	0.020	O	|	|	|	|	0.05
124.083	0.00	0.02	0.020	O	|	|	|	|	0.05
124.167	0.00	0.02	0.020	O	|	|	|	|	0.05
124.250	0.00	0.01	0.020	O	|	|	|	|	0.05
124.333	0.00	0.01	0.019	O	|	|	|	|	0.05
124.417	0.00	0.01	0.019	O	|	|	|	|	0.05
124.500	0.00	0.01	0.019	O	|	|	|	|	0.05
124.583	0.00	0.01	0.019	O	|	|	|	|	0.05
124.667	0.00	0.01	0.019	O	|	|	|	|	0.05
124.750	0.00	0.01	0.019	O	|	|	|	|	0.05
124.833	0.00	0.01	0.019	O	|	|	|	|	0.05
124.917	0.00	0.01	0.019	O	|	|	|	|	0.05
125.000	0.00	0.01	0.019	O	|	|	|	|	0.05
125.083	0.00	0.01	0.019	O	|	|	|	|	0.05
125.167	0.00	0.01	0.018	O	|	|	|	|	0.05
125.250	0.00	0.01	0.018	O	|	|	|	|	0.05
125.333	0.00	0.01	0.018	O	|	|	|	|	0.05
125.417	0.00	0.01	0.018	O	|	|	|	|	0.05
125.500	0.00	0.01	0.018	O	|	|	|	|	0.05
125.583	0.00	0.01	0.018	O	|	|	|	|	0.05
125.667	0.00	0.01	0.018	O	|	|	|	|	0.05
125.750	0.00	0.01	0.018	O	|	|	|	|	0.05
125.833	0.00	0.01	0.018	O	|	|	|	|	0.05
125.917	0.00	0.01	0.018	O	|	|	|	|	0.05
126.000	0.00	0.01	0.018	O	|	|	|	|	0.05
126.083	0.00	0.01	0.017	O	|	|	|	|	0.05
126.167	0.00	0.01	0.017	O	|	|	|	|	0.05
126.250	0.00	0.01	0.017	O	|	|	|	|	0.05
126.333	0.00	0.01	0.017	O	|	|	|	|	0.05
126.417	0.00	0.01	0.017	O	|	|	|	|	0.04
126.500	0.00	0.01	0.017	O	|	|	|	|	0.04
126.583	0.00	0.01	0.017	O	|	|	|	|	0.04
126.667	0.00	0.01	0.017	O	|	|	|	|	0.04
126.750	0.00	0.01	0.017	O	|	|	|	|	0.04
126.833	0.00	0.01	0.017	O	|	|	|	|	0.04
126.917	0.00	0.01	0.017	O	|	|	|	|	0.04
127.000	0.00	0.01	0.016	O	|	|	|	|	0.04
127.083	0.00	0.01	0.016	O	|	|	|	|	0.04
127.167	0.00	0.01	0.016	O	|	|	|	|	0.04
127.250	0.00	0.01	0.016	O	|	|	|	|	0.04
127.333	0.00	0.01	0.016	O	|	|	|	|	0.04
127.417	0.00	0.01	0.016	O	|	|	|	|	0.04
127.500	0.00	0.01	0.016	O	|	|	|	|	0.04
127.583	0.00	0.01	0.016	O	|	|	|	|	0.04
127.667	0.00	0.01	0.016	O	|	|	|	|	0.04
127.750	0.00	0.01	0.016	O	|	|	|	|	0.04
127.833	0.00	0.01	0.016	O	|	|	|	|	0.04
127.917	0.00	0.01	0.016	O	|	|	|	|	0.04
128.000	0.00	0.01	0.015	O	|	|	|	|	0.04
128.083	0.00	0.01	0.015	O	|	|	|	|	0.04
128.167	0.00	0.01	0.015	O	|	|	|	|	0.04
128.250	0.00	0.01	0.015	O	|	|	|	|	0.04
128.333	0.00	0.01	0.015	O	|	|	|	|	0.04
128.417	0.00	0.01	0.015	O	|	|	|	|	0.04
128.500	0.00	0.01	0.015	O	|	|	|	|	0.04

128.583	0.00	0.01	0.015	O	|	|	|	|	0.04
128.667	0.00	0.01	0.015	O	|	|	|	|	0.04
128.750	0.00	0.01	0.015	O	|	|	|	|	0.04
128.833	0.00	0.01	0.015	O	|	|	|	|	0.04
128.917	0.00	0.01	0.015	O	|	|	|	|	0.04
129.000	0.00	0.01	0.015	O	|	|	|	|	0.04
129.083	0.00	0.01	0.014	O	|	|	|	|	0.04
129.167	0.00	0.01	0.014	O	|	|	|	|	0.04
129.250	0.00	0.01	0.014	O	|	|	|	|	0.04
129.333	0.00	0.01	0.014	O	|	|	|	|	0.04
129.417	0.00	0.01	0.014	O	|	|	|	|	0.04
129.500	0.00	0.01	0.014	O	|	|	|	|	0.04
129.583	0.00	0.01	0.014	O	|	|	|	|	0.04
129.667	0.00	0.01	0.014	O	|	|	|	|	0.04
129.750	0.00	0.01	0.014	O	|	|	|	|	0.04
129.833	0.00	0.01	0.014	O	|	|	|	|	0.04
129.917	0.00	0.01	0.014	O	|	|	|	|	0.04
130.000	0.00	0.01	0.014	O	|	|	|	|	0.04
130.083	0.00	0.01	0.014	O	|	|	|	|	0.04
130.167	0.00	0.01	0.013	O	|	|	|	|	0.04
130.250	0.00	0.01	0.013	O	|	|	|	|	0.04
130.333	0.00	0.01	0.013	O	|	|	|	|	0.04
130.417	0.00	0.01	0.013	O	|	|	|	|	0.03
130.500	0.00	0.01	0.013	O	|	|	|	|	0.03
130.583	0.00	0.01	0.013	O	|	|	|	|	0.03
130.667	0.00	0.01	0.013	O	|	|	|	|	0.03
130.750	0.00	0.01	0.013	O	|	|	|	|	0.03
130.833	0.00	0.01	0.013	O	|	|	|	|	0.03
130.917	0.00	0.01	0.013	O	|	|	|	|	0.03
131.000	0.00	0.01	0.013	O	|	|	|	|	0.03
131.083	0.00	0.01	0.013	O	|	|	|	|	0.03
131.167	0.00	0.01	0.013	O	|	|	|	|	0.03
131.250	0.00	0.01	0.013	O	|	|	|	|	0.03
131.333	0.00	0.01	0.013	O	|	|	|	|	0.03
131.417	0.00	0.01	0.012	O	|	|	|	|	0.03
131.500	0.00	0.01	0.012	O	|	|	|	|	0.03
131.583	0.00	0.01	0.012	O	|	|	|	|	0.03
131.667	0.00	0.01	0.012	O	|	|	|	|	0.03
131.750	0.00	0.01	0.012	O	|	|	|	|	0.03
131.833	0.00	0.01	0.012	O	|	|	|	|	0.03
131.917	0.00	0.01	0.012	O	|	|	|	|	0.03
132.000	0.00	0.01	0.012	O	|	|	|	|	0.03
132.083	0.00	0.01	0.012	O	|	|	|	|	0.03
132.167	0.00	0.01	0.012	O	|	|	|	|	0.03
132.250	0.00	0.01	0.012	O	|	|	|	|	0.03
132.333	0.00	0.01	0.012	O	|	|	|	|	0.03
132.417	0.00	0.01	0.012	O	|	|	|	|	0.03
132.500	0.00	0.01	0.012	O	|	|	|	|	0.03
132.583	0.00	0.01	0.012	O	|	|	|	|	0.03
132.667	0.00	0.01	0.012	O	|	|	|	|	0.03
132.750	0.00	0.01	0.011	O	|	|	|	|	0.03
132.833	0.00	0.01	0.011	O	|	|	|	|	0.03
132.917	0.00	0.01	0.011	O	|	|	|	|	0.03
133.000	0.00	0.01	0.011	O	|	|	|	|	0.03
133.083	0.00	0.01	0.011	O	|	|	|	|	0.03
133.167	0.00	0.01	0.011	O	|	|	|	|	0.03
133.250	0.00	0.01	0.011	O	|	|	|	|	0.03
133.333	0.00	0.01	0.011	O	|	|	|	|	0.03
133.417	0.00	0.01	0.011	O	|	|	|	|	0.03
133.500	0.00	0.01	0.011	O	|	|	|	|	0.03
133.583	0.00	0.01	0.011	O	|	|	|	|	0.03
133.667	0.00	0.01	0.011	O	|	|	|	|	0.03
133.750	0.00	0.01	0.011	O	|	|	|	|	0.03
133.833	0.00	0.01	0.011	O	|	|	|	|	0.03
133.917	0.00	0.01	0.011	O	|	|	|	|	0.03
134.000	0.00	0.01	0.011	O	|	|	|	|	0.03
134.083	0.00	0.01	0.011	O	|	|	|	|	0.03

134.167	0.00	0.01	0.010	O	|	|	|	|	0.03
134.250	0.00	0.01	0.010	O	|	|	|	|	0.03
134.333	0.00	0.01	0.010	O	|	|	|	|	0.03
134.417	0.00	0.01	0.010	O	|	|	|	|	0.03
134.500	0.00	0.01	0.010	O	|	|	|	|	0.03
134.583	0.00	0.01	0.010	O	|	|	|	|	0.03
134.667	0.00	0.01	0.010	O	|	|	|	|	0.03
134.750	0.00	0.01	0.010	O	|	|	|	|	0.03
134.833	0.00	0.01	0.010	O	|	|	|	|	0.03
134.917	0.00	0.01	0.010	O	|	|	|	|	0.03
135.000	0.00	0.01	0.010	O	|	|	|	|	0.03
135.083	0.00	0.01	0.010	O	|	|	|	|	0.03
135.167	0.00	0.01	0.010	O	|	|	|	|	0.03
135.250	0.00	0.01	0.010	O	|	|	|	|	0.03
135.333	0.00	0.01	0.010	O	|	|	|	|	0.03
135.417	0.00	0.01	0.010	O	|	|	|	|	0.03
135.500	0.00	0.01	0.010	O	|	|	|	|	0.03
135.583	0.00	0.01	0.010	O	|	|	|	|	0.03
135.667	0.00	0.01	0.010	O	|	|	|	|	0.03
135.750	0.00	0.01	0.009	O	|	|	|	|	0.02
135.833	0.00	0.01	0.009	O	|	|	|	|	0.02
135.917	0.00	0.01	0.009	O	|	|	|	|	0.02
136.000	0.00	0.01	0.009	O	|	|	|	|	0.02
136.083	0.00	0.01	0.009	O	|	|	|	|	0.02
136.167	0.00	0.01	0.009	O	|	|	|	|	0.02
136.250	0.00	0.01	0.009	O	|	|	|	|	0.02
136.333	0.00	0.01	0.009	O	|	|	|	|	0.02
136.417	0.00	0.01	0.009	O	|	|	|	|	0.02
136.500	0.00	0.01	0.009	O	|	|	|	|	0.02
136.583	0.00	0.01	0.009	O	|	|	|	|	0.02
136.667	0.00	0.01	0.009	O	|	|	|	|	0.02
136.750	0.00	0.01	0.009	O	|	|	|	|	0.02
136.833	0.00	0.01	0.009	O	|	|	|	|	0.02
136.917	0.00	0.01	0.009	O	|	|	|	|	0.02
137.000	0.00	0.01	0.009	O	|	|	|	|	0.02
137.083	0.00	0.01	0.009	O	|	|	|	|	0.02
137.167	0.00	0.01	0.009	O	|	|	|	|	0.02
137.250	0.00	0.01	0.009	O	|	|	|	|	0.02
137.333	0.00	0.01	0.009	O	|	|	|	|	0.02
137.417	0.00	0.01	0.009	O	|	|	|	|	0.02
137.500	0.00	0.01	0.008	O	|	|	|	|	0.02
137.583	0.00	0.01	0.008	O	|	|	|	|	0.02
137.667	0.00	0.01	0.008	O	|	|	|	|	0.02
137.750	0.00	0.01	0.008	O	|	|	|	|	0.02
137.833	0.00	0.01	0.008	O	|	|	|	|	0.02
137.917	0.00	0.01	0.008	O	|	|	|	|	0.02
138.000	0.00	0.01	0.008	O	|	|	|	|	0.02
138.083	0.00	0.01	0.008	O	|	|	|	|	0.02
138.167	0.00	0.01	0.008	O	|	|	|	|	0.02
138.250	0.00	0.01	0.008	O	|	|	|	|	0.02
138.333	0.00	0.01	0.008	O	|	|	|	|	0.02
138.417	0.00	0.01	0.008	O	|	|	|	|	0.02
138.500	0.00	0.01	0.008	O	|	|	|	|	0.02
138.583	0.00	0.01	0.008	O	|	|	|	|	0.02
138.667	0.00	0.01	0.008	O	|	|	|	|	0.02
138.750	0.00	0.01	0.008	O	|	|	|	|	0.02
138.833	0.00	0.01	0.008	O	|	|	|	|	0.02
138.917	0.00	0.01	0.008	O	|	|	|	|	0.02
139.000	0.00	0.01	0.008	O	|	|	|	|	0.02
139.083	0.00	0.01	0.008	O	|	|	|	|	0.02
139.167	0.00	0.01	0.008	O	|	|	|	|	0.02
139.250	0.00	0.01	0.008	O	|	|	|	|	0.02
139.333	0.00	0.01	0.008	O	|	|	|	|	0.02
139.417	0.00	0.01	0.008	O	|	|	|	|	0.02
139.500	0.00	0.01	0.007	O	|	|	|	|	0.02
139.583	0.00	0.01	0.007	O	|	|	|	|	0.02
139.667	0.00	0.01	0.007	O	|	|	|	|	0.02

139.750	0.00	0.01	0.007	O	|	|	|	0.02
139.833	0.00	0.01	0.007	O	|	|	|	0.02
139.917	0.00	0.01	0.007	O	|	|	|	0.02
140.000	0.00	0.01	0.007	O	|	|	|	0.02
140.083	0.00	0.01	0.007	O	|	|	|	0.02
140.167	0.00	0.01	0.007	O	|	|	|	0.02
140.250	0.00	0.01	0.007	O	|	|	|	0.02
140.333	0.00	0.01	0.007	O	|	|	|	0.02
140.417	0.00	0.01	0.007	O	|	|	|	0.02
140.500	0.00	0.01	0.007	O	|	|	|	0.02
140.583	0.00	0.01	0.007	O	|	|	|	0.02
140.667	0.00	0.01	0.007	O	|	|	|	0.02
140.750	0.00	0.01	0.007	O	|	|	|	0.02
140.833	0.00	0.01	0.007	O	|	|	|	0.02
140.917	0.00	0.01	0.007	O	|	|	|	0.02
141.000	0.00	0.01	0.007	O	|	|	|	0.02
141.083	0.00	0.01	0.007	O	|	|	|	0.02
141.167	0.00	0.01	0.007	O	|	|	|	0.02
141.250	0.00	0.01	0.007	O	|	|	|	0.02
141.333	0.00	0.01	0.007	O	|	|	|	0.02
141.417	0.00	0.01	0.007	O	|	|	|	0.02
141.500	0.00	0.01	0.007	O	|	|	|	0.02
141.583	0.00	0.01	0.007	O	|	|	|	0.02
141.667	0.00	0.00	0.007	O	|	|	|	0.02
141.750	0.00	0.00	0.006	O	|	|	|	0.02
141.833	0.00	0.00	0.006	O	|	|	|	0.02
141.917	0.00	0.00	0.006	O	|	|	|	0.02
142.000	0.00	0.00	0.006	O	|	|	|	0.02
142.083	0.00	0.00	0.006	O	|	|	|	0.02
142.167	0.00	0.00	0.006	O	|	|	|	0.02
142.250	0.00	0.00	0.006	O	|	|	|	0.02
142.333	0.00	0.00	0.006	O	|	|	|	0.02
142.417	0.00	0.00	0.006	O	|	|	|	0.02
142.500	0.00	0.00	0.006	O	|	|	|	0.02
142.583	0.00	0.00	0.006	O	|	|	|	0.02
142.667	0.00	0.00	0.006	O	|	|	|	0.02
142.750	0.00	0.00	0.006	O	|	|	|	0.02
142.833	0.00	0.00	0.006	O	|	|	|	0.02
142.917	0.00	0.00	0.006	O	|	|	|	0.02
143.000	0.00	0.00	0.006	O	|	|	|	0.02
143.083	0.00	0.00	0.006	O	|	|	|	0.02
143.167	0.00	0.00	0.006	O	|	|	|	0.02
143.250	0.00	0.00	0.006	O	|	|	|	0.02
143.333	0.00	0.00	0.006	O	|	|	|	0.02
143.417	0.00	0.00	0.006	O	|	|	|	0.02
143.500	0.00	0.00	0.006	O	|	|	|	0.02
143.583	0.00	0.00	0.006	O	|	|	|	0.02
143.667	0.00	0.00	0.006	O	|	|	|	0.02
143.750	0.00	0.00	0.006	O	|	|	|	0.02
143.833	0.00	0.00	0.006	O	|	|	|	0.01
143.917	0.00	0.00	0.006	O	|	|	|	0.01
144.000	0.00	0.00	0.006	O	|	|	|	0.01
144.083	0.00	0.00	0.006	O	|	|	|	0.01
144.167	0.00	0.00	0.006	O	|	|	|	0.01
144.250	0.00	0.00	0.006	O	|	|	|	0.01
144.333	0.00	0.00	0.006	O	|	|	|	0.01
144.417	0.00	0.00	0.005	O	|	|	|	0.01
144.500	0.00	0.00	0.005	O	|	|	|	0.01
144.583	0.00	0.00	0.005	O	|	|	|	0.01
144.667	0.00	0.00	0.005	O	|	|	|	0.01
144.750	0.00	0.00	0.005	O	|	|	|	0.01
144.833	0.00	0.00	0.005	O	|	|	|	0.01
144.917	0.00	0.00	0.005	O	|	|	|	0.01
145.000	0.00	0.00	0.005	O	|	|	|	0.01
145.083	0.00	0.00	0.005	O	|	|	|	0.01
145.167	0.00	0.00	0.005	O	|	|	|	0.01
145.250	0.00	0.00	0.005	O	|	|	|	0.01

145.333	0.00	0.00	0.005	O	|	|	|	|	0.01
145.417	0.00	0.00	0.005	O	|	|	|	|	0.01
145.500	0.00	0.00	0.005	O	|	|	|	|	0.01
145.583	0.00	0.00	0.005	O	|	|	|	|	0.01
145.667	0.00	0.00	0.005	O	|	|	|	|	0.01
145.750	0.00	0.00	0.005	O	|	|	|	|	0.01
145.833	0.00	0.00	0.005	O	|	|	|	|	0.01
145.917	0.00	0.00	0.005	O	|	|	|	|	0.01
146.000	0.00	0.00	0.005	O	|	|	|	|	0.01
146.083	0.00	0.00	0.005	O	|	|	|	|	0.01
146.167	0.00	0.00	0.005	O	|	|	|	|	0.01
146.250	0.00	0.00	0.005	O	|	|	|	|	0.01
146.333	0.00	0.00	0.005	O	|	|	|	|	0.01
146.417	0.00	0.00	0.005	O	|	|	|	|	0.01
146.500	0.00	0.00	0.005	O	|	|	|	|	0.01
146.583	0.00	0.00	0.005	O	|	|	|	|	0.01
146.667	0.00	0.00	0.005	O	|	|	|	|	0.01
146.750	0.00	0.00	0.005	O	|	|	|	|	0.01
146.833	0.00	0.00	0.005	O	|	|	|	|	0.01
146.917	0.00	0.00	0.005	O	|	|	|	|	0.01
147.000	0.00	0.00	0.005	O	|	|	|	|	0.01
147.083	0.00	0.00	0.005	O	|	|	|	|	0.01
147.167	0.00	0.00	0.005	O	|	|	|	|	0.01
147.250	0.00	0.00	0.005	O	|	|	|	|	0.01
147.333	0.00	0.00	0.005	O	|	|	|	|	0.01
147.417	0.00	0.00	0.005	O	|	|	|	|	0.01
147.500	0.00	0.00	0.005	O	|	|	|	|	0.01
147.583	0.00	0.00	0.004	O	|	|	|	|	0.01
147.667	0.00	0.00	0.004	O	|	|	|	|	0.01
147.750	0.00	0.00	0.004	O	|	|	|	|	0.01
147.833	0.00	0.00	0.004	O	|	|	|	|	0.01
147.917	0.00	0.00	0.004	O	|	|	|	|	0.01
148.000	0.00	0.00	0.004	O	|	|	|	|	0.01
148.083	0.00	0.00	0.004	O	|	|	|	|	0.01
148.167	0.00	0.00	0.004	O	|	|	|	|	0.01
148.250	0.00	0.00	0.004	O	|	|	|	|	0.01
148.333	0.00	0.00	0.004	O	|	|	|	|	0.01
148.417	0.00	0.00	0.004	O	|	|	|	|	0.01
148.500	0.00	0.00	0.004	O	|	|	|	|	0.01
148.583	0.00	0.00	0.004	O	|	|	|	|	0.01
148.667	0.00	0.00	0.004	O	|	|	|	|	0.01
148.750	0.00	0.00	0.004	O	|	|	|	|	0.01
148.833	0.00	0.00	0.004	O	|	|	|	|	0.01
148.917	0.00	0.00	0.004	O	|	|	|	|	0.01
149.000	0.00	0.00	0.004	O	|	|	|	|	0.01
149.083	0.00	0.00	0.004	O	|	|	|	|	0.01
149.167	0.00	0.00	0.004	O	|	|	|	|	0.01
149.250	0.00	0.00	0.004	O	|	|	|	|	0.01
149.333	0.00	0.00	0.004	O	|	|	|	|	0.01
149.417	0.00	0.00	0.004	O	|	|	|	|	0.01
149.500	0.00	0.00	0.004	O	|	|	|	|	0.01
149.583	0.00	0.00	0.004	O	|	|	|	|	0.01
149.667	0.00	0.00	0.004	O	|	|	|	|	0.01
149.750	0.00	0.00	0.004	O	|	|	|	|	0.01
149.833	0.00	0.00	0.004	O	|	|	|	|	0.01
149.917	0.00	0.00	0.004	O	|	|	|	|	0.01
150.000	0.00	0.00	0.004	O	|	|	|	|	0.01
150.083	0.00	0.00	0.004	O	|	|	|	|	0.01
150.167	0.00	0.00	0.004	O	|	|	|	|	0.01
150.250	0.00	0.00	0.004	O	|	|	|	|	0.01
150.333	0.00	0.00	0.004	O	|	|	|	|	0.01
150.417	0.00	0.00	0.004	O	|	|	|	|	0.01
150.500	0.00	0.00	0.004	O	|	|	|	|	0.01
150.583	0.00	0.00	0.004	O	|	|	|	|	0.01
150.667	0.00	0.00	0.004	O	|	|	|	|	0.01
150.750	0.00	0.00	0.004	O	|	|	|	|	0.01
150.833	0.00	0.00	0.004	O	|	|	|	|	0.01

150.917	0.00	0.00	0.004	O	|	|	|	|	0.01
151.000	0.00	0.00	0.004	O	|	|	|	|	0.01
151.083	0.00	0.00	0.004	O	|	|	|	|	0.01
151.167	0.00	0.00	0.004	O	|	|	|	|	0.01
151.250	0.00	0.00	0.004	O	|	|	|	|	0.01
151.333	0.00	0.00	0.004	O	|	|	|	|	0.01
151.417	0.00	0.00	0.004	O	|	|	|	|	0.01
151.500	0.00	0.00	0.004	O	|	|	|	|	0.01
151.583	0.00	0.00	0.003	O	|	|	|	|	0.01
151.667	0.00	0.00	0.003	O	|	|	|	|	0.01
151.750	0.00	0.00	0.003	O	|	|	|	|	0.01
151.833	0.00	0.00	0.003	O	|	|	|	|	0.01
151.917	0.00	0.00	0.003	O	|	|	|	|	0.01
152.000	0.00	0.00	0.003	O	|	|	|	|	0.01
152.083	0.00	0.00	0.003	O	|	|	|	|	0.01
152.167	0.00	0.00	0.003	O	|	|	|	|	0.01
152.250	0.00	0.00	0.003	O	|	|	|	|	0.01
152.333	0.00	0.00	0.003	O	|	|	|	|	0.01
152.417	0.00	0.00	0.003	O	|	|	|	|	0.01
152.500	0.00	0.00	0.003	O	|	|	|	|	0.01
152.583	0.00	0.00	0.003	O	|	|	|	|	0.01
152.667	0.00	0.00	0.003	O	|	|	|	|	0.01
152.750	0.00	0.00	0.003	O	|	|	|	|	0.01
152.833	0.00	0.00	0.003	O	|	|	|	|	0.01
152.917	0.00	0.00	0.003	O	|	|	|	|	0.01
153.000	0.00	0.00	0.003	O	|	|	|	|	0.01
153.083	0.00	0.00	0.003	O	|	|	|	|	0.01
153.167	0.00	0.00	0.003	O	|	|	|	|	0.01
153.250	0.00	0.00	0.003	O	|	|	|	|	0.01
153.333	0.00	0.00	0.003	O	|	|	|	|	0.01
153.417	0.00	0.00	0.003	O	|	|	|	|	0.01
153.500	0.00	0.00	0.003	O	|	|	|	|	0.01
153.583	0.00	0.00	0.003	O	|	|	|	|	0.01
153.667	0.00	0.00	0.003	O	|	|	|	|	0.01
153.750	0.00	0.00	0.003	O	|	|	|	|	0.01
153.833	0.00	0.00	0.003	O	|	|	|	|	0.01
153.917	0.00	0.00	0.003	O	|	|	|	|	0.01
154.000	0.00	0.00	0.003	O	|	|	|	|	0.01
154.083	0.00	0.00	0.003	O	|	|	|	|	0.01
154.167	0.00	0.00	0.003	O	|	|	|	|	0.01
154.250	0.00	0.00	0.003	O	|	|	|	|	0.01
154.333	0.00	0.00	0.003	O	|	|	|	|	0.01
154.417	0.00	0.00	0.003	O	|	|	|	|	0.01
154.500	0.00	0.00	0.003	O	|	|	|	|	0.01
154.583	0.00	0.00	0.003	O	|	|	|	|	0.01
154.667	0.00	0.00	0.003	O	|	|	|	|	0.01
154.750	0.00	0.00	0.003	O	|	|	|	|	0.01
154.833	0.00	0.00	0.003	O	|	|	|	|	0.01
154.917	0.00	0.00	0.003	O	|	|	|	|	0.01
155.000	0.00	0.00	0.003	O	|	|	|	|	0.01
155.083	0.00	0.00	0.003	O	|	|	|	|	0.01
155.167	0.00	0.00	0.003	O	|	|	|	|	0.01
155.250	0.00	0.00	0.003	O	|	|	|	|	0.01
155.333	0.00	0.00	0.003	O	|	|	|	|	0.01
155.417	0.00	0.00	0.003	O	|	|	|	|	0.01
155.500	0.00	0.00	0.003	O	|	|	|	|	0.01
155.583	0.00	0.00	0.003	O	|	|	|	|	0.01
155.667	0.00	0.00	0.003	O	|	|	|	|	0.01
155.750	0.00	0.00	0.003	O	|	|	|	|	0.01
155.833	0.00	0.00	0.003	O	|	|	|	|	0.01
155.917	0.00	0.00	0.003	O	|	|	|	|	0.01
156.000	0.00	0.00	0.003	O	|	|	|	|	0.01
156.083	0.00	0.00	0.003	O	|	|	|	|	0.01
156.167	0.00	0.00	0.003	O	|	|	|	|	0.01
156.250	0.00	0.00	0.003	O	|	|	|	|	0.01
156.333	0.00	0.00	0.003	O	|	|	|	|	0.01
156.417	0.00	0.00	0.003	O	|	|	|	|	0.01

156.500	0.00	0.00	0.003	O	|	|	|	|	0.01
156.583	0.00	0.00	0.003	O	|	|	|	|	0.01
156.667	0.00	0.00	0.003	O	|	|	|	|	0.01
156.750	0.00	0.00	0.003	O	|	|	|	|	0.01
156.833	0.00	0.00	0.003	O	|	|	|	|	0.01
156.917	0.00	0.00	0.002	O	|	|	|	|	0.01
157.000	0.00	0.00	0.002	O	|	|	|	|	0.01
157.083	0.00	0.00	0.002	O	|	|	|	|	0.01
157.167	0.00	0.00	0.002	O	|	|	|	|	0.01
157.250	0.00	0.00	0.002	O	|	|	|	|	0.01
157.333	0.00	0.00	0.002	O	|	|	|	|	0.01
157.417	0.00	0.00	0.002	O	|	|	|	|	0.01
157.500	0.00	0.00	0.002	O	|	|	|	|	0.01
157.583	0.00	0.00	0.002	O	|	|	|	|	0.01
157.667	0.00	0.00	0.002	O	|	|	|	|	0.01
157.750	0.00	0.00	0.002	O	|	|	|	|	0.01
157.833	0.00	0.00	0.002	O	|	|	|	|	0.01
157.917	0.00	0.00	0.002	O	|	|	|	|	0.01
158.000	0.00	0.00	0.002	O	|	|	|	|	0.01
158.083	0.00	0.00	0.002	O	|	|	|	|	0.01
158.167	0.00	0.00	0.002	O	|	|	|	|	0.01
158.250	0.00	0.00	0.002	O	|	|	|	|	0.01
158.333	0.00	0.00	0.002	O	|	|	|	|	0.01
158.417	0.00	0.00	0.002	O	|	|	|	|	0.01
158.500	0.00	0.00	0.002	O	|	|	|	|	0.01
158.583	0.00	0.00	0.002	O	|	|	|	|	0.01
158.667	0.00	0.00	0.002	O	|	|	|	|	0.01
158.750	0.00	0.00	0.002	O	|	|	|	|	0.01
158.833	0.00	0.00	0.002	O	|	|	|	|	0.01
158.917	0.00	0.00	0.002	O	|	|	|	|	0.01
159.000	0.00	0.00	0.002	O	|	|	|	|	0.01
159.083	0.00	0.00	0.002	O	|	|	|	|	0.01
159.167	0.00	0.00	0.002	O	|	|	|	|	0.01
159.250	0.00	0.00	0.002	O	|	|	|	|	0.01
159.333	0.00	0.00	0.002	O	|	|	|	|	0.01
159.417	0.00	0.00	0.002	O	|	|	|	|	0.01
159.500	0.00	0.00	0.002	O	|	|	|	|	0.01
159.583	0.00	0.00	0.002	O	|	|	|	|	0.01
159.667	0.00	0.00	0.002	O	|	|	|	|	0.01
159.750	0.00	0.00	0.002	O	|	|	|	|	0.01
159.833	0.00	0.00	0.002	O	|	|	|	|	0.01
159.917	0.00	0.00	0.002	O	|	|	|	|	0.01
160.000	0.00	0.00	0.002	O	|	|	|	|	0.01
160.083	0.00	0.00	0.002	O	|	|	|	|	0.01
160.167	0.00	0.00	0.002	O	|	|	|	|	0.01
160.250	0.00	0.00	0.002	O	|	|	|	|	0.01
160.333	0.00	0.00	0.002	O	|	|	|	|	0.01
160.417	0.00	0.00	0.002	O	|	|	|	|	0.01
160.500	0.00	0.00	0.002	O	|	|	|	|	0.01
160.583	0.00	0.00	0.002	O	|	|	|	|	0.01
160.667	0.00	0.00	0.002	O	|	|	|	|	0.01
160.750	0.00	0.00	0.002	O	|	|	|	|	0.01
160.833	0.00	0.00	0.002	O	|	|	|	|	0.01
160.917	0.00	0.00	0.002	O	|	|	|	|	0.01
161.000	0.00	0.00	0.002	O	|	|	|	|	0.01
161.083	0.00	0.00	0.002	O	|	|	|	|	0.01
161.167	0.00	0.00	0.002	O	|	|	|	|	0.01
161.250	0.00	0.00	0.002	O	|	|	|	|	0.00
161.333	0.00	0.00	0.002	O	|	|	|	|	0.00
161.417	0.00	0.00	0.002	O	|	|	|	|	0.00
161.500	0.00	0.00	0.002	O	|	|	|	|	0.00
161.583	0.00	0.00	0.002	O	|	|	|	|	0.00
161.667	0.00	0.00	0.002	O	|	|	|	|	0.00
161.750	0.00	0.00	0.002	O	|	|	|	|	0.00
161.833	0.00	0.00	0.002	O	|	|	|	|	0.00
161.917	0.00	0.00	0.002	O	|	|	|	|	0.00
162.000	0.00	0.00	0.002	O	|	|	|	|	0.00

162.083	0.00	0.00	0.002	O	|	|	|	|	0.00
162.167	0.00	0.00	0.002	O	|	|	|	|	0.00
162.250	0.00	0.00	0.002	O	|	|	|	|	0.00
162.333	0.00	0.00	0.002	O	|	|	|	|	0.00
162.417	0.00	0.00	0.002	O	|	|	|	|	0.00
162.500	0.00	0.00	0.002	O	|	|	|	|	0.00
162.583	0.00	0.00	0.002	O	|	|	|	|	0.00
162.667	0.00	0.00	0.002	O	|	|	|	|	0.00
162.750	0.00	0.00	0.002	O	|	|	|	|	0.00
162.833	0.00	0.00	0.002	O	|	|	|	|	0.00
162.917	0.00	0.00	0.002	O	|	|	|	|	0.00
163.000	0.00	0.00	0.002	O	|	|	|	|	0.00
163.083	0.00	0.00	0.002	O	|	|	|	|	0.00
163.167	0.00	0.00	0.002	O	|	|	|	|	0.00
163.250	0.00	0.00	0.002	O	|	|	|	|	0.00
163.333	0.00	0.00	0.002	O	|	|	|	|	0.00
163.417	0.00	0.00	0.002	O	|	|	|	|	0.00
163.500	0.00	0.00	0.002	O	|	|	|	|	0.00
163.583	0.00	0.00	0.002	O	|	|	|	|	0.00
163.667	0.00	0.00	0.002	O	|	|	|	|	0.00
163.750	0.00	0.00	0.002	O	|	|	|	|	0.00
163.833	0.00	0.00	0.002	O	|	|	|	|	0.00
163.917	0.00	0.00	0.002	O	|	|	|	|	0.00
164.000	0.00	0.00	0.002	O	|	|	|	|	0.00
164.083	0.00	0.00	0.002	O	|	|	|	|	0.00
164.167	0.00	0.00	0.002	O	|	|	|	|	0.00
164.250	0.00	0.00	0.002	O	|	|	|	|	0.00
164.333	0.00	0.00	0.002	O	|	|	|	|	0.00
164.417	0.00	0.00	0.002	O	|	|	|	|	0.00
164.500	0.00	0.00	0.002	O	|	|	|	|	0.00
164.583	0.00	0.00	0.002	O	|	|	|	|	0.00
164.667	0.00	0.00	0.002	O	|	|	|	|	0.00
164.750	0.00	0.00	0.002	O	|	|	|	|	0.00
164.833	0.00	0.00	0.002	O	|	|	|	|	0.00
164.917	0.00	0.00	0.002	O	|	|	|	|	0.00
165.000	0.00	0.00	0.001	O	|	|	|	|	0.00
165.083	0.00	0.00	0.001	O	|	|	|	|	0.00
165.167	0.00	0.00	0.001	O	|	|	|	|	0.00
165.250	0.00	0.00	0.001	O	|	|	|	|	0.00
165.333	0.00	0.00	0.001	O	|	|	|	|	0.00
165.417	0.00	0.00	0.001	O	|	|	|	|	0.00
165.500	0.00	0.00	0.001	O	|	|	|	|	0.00
165.583	0.00	0.00	0.001	O	|	|	|	|	0.00
165.667	0.00	0.00	0.001	O	|	|	|	|	0.00
165.750	0.00	0.00	0.001	O	|	|	|	|	0.00
165.833	0.00	0.00	0.001	O	|	|	|	|	0.00
165.917	0.00	0.00	0.001	O	|	|	|	|	0.00
166.000	0.00	0.00	0.001	O	|	|	|	|	0.00
166.083	0.00	0.00	0.001	O	|	|	|	|	0.00
166.167	0.00	0.00	0.001	O	|	|	|	|	0.00
166.250	0.00	0.00	0.001	O	|	|	|	|	0.00
166.333	0.00	0.00	0.001	O	|	|	|	|	0.00
166.417	0.00	0.00	0.001	O	|	|	|	|	0.00
166.500	0.00	0.00	0.001	O	|	|	|	|	0.00
166.583	0.00	0.00	0.001	O	|	|	|	|	0.00
166.667	0.00	0.00	0.001	O	|	|	|	|	0.00
166.750	0.00	0.00	0.001	O	|	|	|	|	0.00
166.833	0.00	0.00	0.001	O	|	|	|	|	0.00
166.917	0.00	0.00	0.001	O	|	|	|	|	0.00
167.000	0.00	0.00	0.001	O	|	|	|	|	0.00
167.083	0.00	0.00	0.001	O	|	|	|	|	0.00
167.167	0.00	0.00	0.001	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

```
**************************HYDROGRAPH DATA**************************
             Number of intervals =  2006
             Time interval =    5.0 (Min.)
             Maximum/Peak flow rate =        0.780 (CFS)
             Total volume =       3.790 (Ac.Ft)
       Status of hydrographs being held in storage
                  Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
       Peak (CFS)      0.000     0.000     0.000     0.000     0.000
       Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
************************************************************************

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U n i t H y d r o g r a p h A n a l y s i s

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Study date 12/20/21 File: EH242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN H- EXISTING UNIT HYDROGRAPH
2YR-24HR STORM

Drainage Area = 81.84(Ac.) = 0.128 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 81.84(Ac.) = 0.128 Sq. Mi.
Length along longest watercourse = 3201.00(Ft.)
Length along longest watercourse measured to centroid = 2135.00(Ft.)
Length along longest watercourse = 0.606 Mi.
Length along longest watercourse measured to centroid = 0.404 Mi.
Difference in elevation = 70.00(Ft.)
Slope along watercourse = 115.4639 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.228 Hr.
Lag time = 13.69 Min.
25% of lag time = 3.42 Min.
40% of lag time = 5.48 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	2.70	220.97

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
81.84	7.00	572.88

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
81.840	81.80	0.000

Total Area Entered = 81.84(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-1     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
81.8  65.5      0.410     0.000        0.410       1.000      0.410
                                                  Sum (F) =   0.410
Area averaged mean soil loss (F) (In/Hr) =  0.410
Minimum soil loss rate ((In/Hr)) =  0.205
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
```

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	36.512	3.808	3.141
2	0.167	73.024	15.202	12.539
3	0.250	109.536	24.471	20.184
4	0.333	146.048	19.044	15.707
5	0.417	182.559	9.745	8.037
6	0.500	219.071	5.711	4.710
7	0.583	255.583	4.237	3.494
8	0.667	292.095	3.316	2.735
9	0.750	328.607	2.577	2.125
10	0.833	365.119	2.151	1.774
11	0.917	401.631	1.706	1.407
12	1.000	438.143	1.368	1.129
13	1.083	474.655	1.152	0.950
14	1.167	511.166	1.086	0.895
15	1.250	547.678	0.874	0.721
16	1.333	584.190	0.739	0.610
17	1.417	620.702	0.634	0.523
18	1.500	657.214	0.522	0.431
19	1.583	693.726	0.412	0.340
20	1.667	730.238	0.365	0.301
21	1.750	766.750	0.365	0.301
22	1.833	803.262	0.515	0.425
		Sum = 100.000	Sum=	82.479

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.727)	0.019	0.002
2	0.17	0.07	0.022	(0.725)	0.019	0.002
3	0.25	0.07	0.022	(0.722)	0.019	0.002
4	0.33	0.10	0.032	(0.719)	0.029	0.003
5	0.42	0.10	0.032	(0.716)	0.029	0.003
6	0.50	0.10	0.032	(0.713)	0.029	0.003
7	0.58	0.10	0.032	(0.711)	0.029	0.003
8	0.67	0.10	0.032	(0.708)	0.029	0.003
9	0.75	0.10	0.032	(0.705)	0.029	0.003
10	0.83	0.13	0.043	(0.702)	0.039	0.004
11	0.92	0.13	0.043	(0.700)	0.039	0.004
12	1.00	0.13	0.043	(0.697)	0.039	0.004
13	1.08	0.10	0.032	(0.694)	0.029	0.003
14	1.17	0.10	0.032	(0.691)	0.029	0.003
15	1.25	0.10	0.032	(0.689)	0.029	0.003
16	1.33	0.10	0.032	(0.686)	0.029	0.003
17	1.42	0.10	0.032	(0.683)	0.029	0.003
18	1.50	0.10	0.032	(0.680)	0.029	0.003
19	1.58	0.10	0.032	(0.678)	0.029	0.003

20	1.67	0.10	0.032	(0.675)	0.029	0.003
21	1.75	0.10	0.032	(0.672)	0.029	0.003
22	1.83	0.13	0.043	(0.670)	0.039	0.004
23	1.92	0.13	0.043	(0.667)	0.039	0.004
24	2.00	0.13	0.043	(0.664)	0.039	0.004
25	2.08	0.13	0.043	(0.661)	0.039	0.004
26	2.17	0.13	0.043	(0.659)	0.039	0.004
27	2.25	0.13	0.043	(0.656)	0.039	0.004
28	2.33	0.13	0.043	(0.653)	0.039	0.004
29	2.42	0.13	0.043	(0.651)	0.039	0.004
30	2.50	0.13	0.043	(0.648)	0.039	0.004
31	2.58	0.17	0.054	(0.645)	0.049	0.005
32	2.67	0.17	0.054	(0.643)	0.049	0.005
33	2.75	0.17	0.054	(0.640)	0.049	0.005
34	2.83	0.17	0.054	(0.638)	0.049	0.005
35	2.92	0.17	0.054	(0.635)	0.049	0.005
36	3.00	0.17	0.054	(0.632)	0.049	0.005
37	3.08	0.17	0.054	(0.630)	0.049	0.005
38	3.17	0.17	0.054	(0.627)	0.049	0.005
39	3.25	0.17	0.054	(0.624)	0.049	0.005
40	3.33	0.17	0.054	(0.622)	0.049	0.005
41	3.42	0.17	0.054	(0.619)	0.049	0.005
42	3.50	0.17	0.054	(0.617)	0.049	0.005
43	3.58	0.17	0.054	(0.614)	0.049	0.005
44	3.67	0.17	0.054	(0.612)	0.049	0.005
45	3.75	0.17	0.054	(0.609)	0.049	0.005
46	3.83	0.20	0.065	(0.606)	0.058	0.006
47	3.92	0.20	0.065	(0.604)	0.058	0.006
48	4.00	0.20	0.065	(0.601)	0.058	0.006
49	4.08	0.20	0.065	(0.599)	0.058	0.006
50	4.17	0.20	0.065	(0.596)	0.058	0.006
51	4.25	0.20	0.065	(0.594)	0.058	0.006
52	4.33	0.23	0.076	(0.591)	0.068	0.008
53	4.42	0.23	0.076	(0.589)	0.068	0.008
54	4.50	0.23	0.076	(0.586)	0.068	0.008
55	4.58	0.23	0.076	(0.584)	0.068	0.008
56	4.67	0.23	0.076	(0.581)	0.068	0.008
57	4.75	0.23	0.076	(0.579)	0.068	0.008
58	4.83	0.27	0.086	(0.576)	0.078	0.009
59	4.92	0.27	0.086	(0.574)	0.078	0.009
60	5.00	0.27	0.086	(0.571)	0.078	0.009
61	5.08	0.20	0.065	(0.569)	0.058	0.006
62	5.17	0.20	0.065	(0.566)	0.058	0.006
63	5.25	0.20	0.065	(0.564)	0.058	0.006
64	5.33	0.23	0.076	(0.561)	0.068	0.008
65	5.42	0.23	0.076	(0.559)	0.068	0.008
66	5.50	0.23	0.076	(0.556)	0.068	0.008
67	5.58	0.27	0.086	(0.554)	0.078	0.009
68	5.67	0.27	0.086	(0.551)	0.078	0.009
69	5.75	0.27	0.086	(0.549)	0.078	0.009
70	5.83	0.27	0.086	(0.547)	0.078	0.009
71	5.92	0.27	0.086	(0.544)	0.078	0.009
72	6.00	0.27	0.086	(0.542)	0.078	0.009
73	6.08	0.30	0.097	(0.539)	0.087	0.010
74	6.17	0.30	0.097	(0.537)	0.087	0.010
75	6.25	0.30	0.097	(0.535)	0.087	0.010
76	6.33	0.30	0.097	(0.532)	0.087	0.010
77	6.42	0.30	0.097	(0.530)	0.087	0.010
78	6.50	0.30	0.097	(0.527)	0.087	0.010
79	6.58	0.33	0.108	(0.525)	0.097	0.011
80	6.67	0.33	0.108	(0.523)	0.097	0.011
81	6.75	0.33	0.108	(0.520)	0.097	0.011
82	6.83	0.33	0.108	(0.518)	0.097	0.011
83	6.92	0.33	0.108	(0.516)	0.097	0.011
84	7.00	0.33	0.108	(0.513)	0.097	0.011
85	7.08	0.33	0.108	(0.511)	0.097	0.011
86	7.17	0.33	0.108	(0.509)	0.097	0.011

87	7.25	0.33	0.108	(0.506)	0.097	0.011
88	7.33	0.37	0.119	(0.504)	0.107	0.012
89	7.42	0.37	0.119	(0.502)	0.107	0.012
90	7.50	0.37	0.119	(0.499)	0.107	0.012
91	7.58	0.40	0.130	(0.497)	0.117	0.013
92	7.67	0.40	0.130	(0.495)	0.117	0.013
93	7.75	0.40	0.130	(0.492)	0.117	0.013
94	7.83	0.43	0.140	(0.490)	0.126	0.014
95	7.92	0.43	0.140	(0.488)	0.126	0.014
96	8.00	0.43	0.140	(0.486)	0.126	0.014
97	8.08	0.50	0.162	(0.483)	0.146	0.016
98	8.17	0.50	0.162	(0.481)	0.146	0.016
99	8.25	0.50	0.162	(0.479)	0.146	0.016
100	8.33	0.50	0.162	(0.477)	0.146	0.016
101	8.42	0.50	0.162	(0.474)	0.146	0.016
102	8.50	0.50	0.162	(0.472)	0.146	0.016
103	8.58	0.53	0.173	(0.470)	0.155	0.017
104	8.67	0.53	0.173	(0.468)	0.155	0.017
105	8.75	0.53	0.173	(0.466)	0.155	0.017
106	8.83	0.57	0.184	(0.463)	0.165	0.018
107	8.92	0.57	0.184	(0.461)	0.165	0.018
108	9.00	0.57	0.184	(0.459)	0.165	0.018
109	9.08	0.63	0.205	(0.457)	0.185	0.021
110	9.17	0.63	0.205	(0.455)	0.185	0.021
111	9.25	0.63	0.205	(0.453)	0.185	0.021
112	9.33	0.67	0.216	(0.450)	0.194	0.022
113	9.42	0.67	0.216	(0.448)	0.194	0.022
114	9.50	0.67	0.216	(0.446)	0.194	0.022
115	9.58	0.70	0.227	(0.444)	0.204	0.023
116	9.67	0.70	0.227	(0.442)	0.204	0.023
117	9.75	0.70	0.227	(0.440)	0.204	0.023
118	9.83	0.73	0.238	(0.438)	0.214	0.024
119	9.92	0.73	0.238	(0.435)	0.214	0.024
120	10.00	0.73	0.238	(0.433)	0.214	0.024
121	10.08	0.50	0.162	(0.431)	0.146	0.016
122	10.17	0.50	0.162	(0.429)	0.146	0.016
123	10.25	0.50	0.162	(0.427)	0.146	0.016
124	10.33	0.50	0.162	(0.425)	0.146	0.016
125	10.42	0.50	0.162	(0.423)	0.146	0.016
126	10.50	0.50	0.162	(0.421)	0.146	0.016
127	10.58	0.67	0.216	(0.419)	0.194	0.022
128	10.67	0.67	0.216	(0.417)	0.194	0.022
129	10.75	0.67	0.216	(0.415)	0.194	0.022
130	10.83	0.67	0.216	(0.413)	0.194	0.022
131	10.92	0.67	0.216	(0.411)	0.194	0.022
132	11.00	0.67	0.216	(0.409)	0.194	0.022
133	11.08	0.63	0.205	(0.407)	0.185	0.021
134	11.17	0.63	0.205	(0.405)	0.185	0.021
135	11.25	0.63	0.205	(0.403)	0.185	0.021
136	11.33	0.63	0.205	(0.401)	0.185	0.021
137	11.42	0.63	0.205	(0.399)	0.185	0.021
138	11.50	0.63	0.205	(0.397)	0.185	0.021
139	11.58	0.57	0.184	(0.395)	0.165	0.018
140	11.67	0.57	0.184	(0.393)	0.165	0.018
141	11.75	0.57	0.184	(0.391)	0.165	0.018
142	11.83	0.60	0.194	(0.389)	0.175	0.019
143	11.92	0.60	0.194	(0.387)	0.175	0.019
144	12.00	0.60	0.194	(0.385)	0.175	0.019
145	12.08	0.83	0.270	(0.383)	0.243	0.027
146	12.17	0.83	0.270	(0.381)	0.243	0.027
147	12.25	0.83	0.270	(0.379)	0.243	0.027
148	12.33	0.87	0.281	(0.377)	0.253	0.028
149	12.42	0.87	0.281	(0.375)	0.253	0.028
150	12.50	0.87	0.281	(0.374)	0.253	0.028
151	12.58	0.93	0.302	(0.372)	0.272	0.030
152	12.67	0.93	0.302	(0.370)	0.272	0.030
153	12.75	0.93	0.302	(0.368)	0.272	0.030

154	12.83	0.97	0.313	(0.366)	0.282	0.031
155	12.92	0.97	0.313	(0.364)	0.282	0.031
156	13.00	0.97	0.313	(0.362)	0.282	0.031
157	13.08	1.13	0.367	(0.361)	0.330	0.037
158	13.17	1.13	0.367	(0.359)	0.330	0.037
159	13.25	1.13	0.367	(0.357)	0.330	0.037
160	13.33	1.13	0.367	(0.355)	0.330	0.037
161	13.42	1.13	0.367	(0.353)	0.330	0.037
162	13.50	1.13	0.367	(0.352)	0.330	0.037
163	13.58	0.77	0.248	(0.350)	0.224	0.025
164	13.67	0.77	0.248	(0.348)	0.224	0.025
165	13.75	0.77	0.248	(0.346)	0.224	0.025
166	13.83	0.77	0.248	(0.344)	0.224	0.025
167	13.92	0.77	0.248	(0.343)	0.224	0.025
168	14.00	0.77	0.248	(0.341)	0.224	0.025
169	14.08	0.90	0.292	(0.339)	0.262	0.029
170	14.17	0.90	0.292	(0.337)	0.262	0.029
171	14.25	0.90	0.292	(0.336)	0.262	0.029
172	14.33	0.87	0.281	(0.334)	0.253	0.028
173	14.42	0.87	0.281	(0.332)	0.253	0.028
174	14.50	0.87	0.281	(0.331)	0.253	0.028
175	14.58	0.87	0.281	(0.329)	0.253	0.028
176	14.67	0.87	0.281	(0.327)	0.253	0.028
177	14.75	0.87	0.281	(0.326)	0.253	0.028
178	14.83	0.83	0.270	(0.324)	0.243	0.027
179	14.92	0.83	0.270	(0.322)	0.243	0.027
180	15.00	0.83	0.270	(0.321)	0.243	0.027
181	15.08	0.80	0.259	(0.319)	0.233	0.026
182	15.17	0.80	0.259	(0.317)	0.233	0.026
183	15.25	0.80	0.259	(0.316)	0.233	0.026
184	15.33	0.77	0.248	(0.314)	0.224	0.025
185	15.42	0.77	0.248	(0.312)	0.224	0.025
186	15.50	0.77	0.248	(0.311)	0.224	0.025
187	15.58	0.63	0.205	(0.309)	0.185	0.021
188	15.67	0.63	0.205	(0.308)	0.185	0.021
189	15.75	0.63	0.205	(0.306)	0.185	0.021
190	15.83	0.63	0.205	(0.304)	0.185	0.021
191	15.92	0.63	0.205	(0.303)	0.185	0.021
192	16.00	0.63	0.205	(0.301)	0.185	0.021
193	16.08	0.13	0.043	(0.300)	0.039	0.004
194	16.17	0.13	0.043	(0.298)	0.039	0.004
195	16.25	0.13	0.043	(0.297)	0.039	0.004
196	16.33	0.13	0.043	(0.295)	0.039	0.004
197	16.42	0.13	0.043	(0.294)	0.039	0.004
198	16.50	0.13	0.043	(0.292)	0.039	0.004
199	16.58	0.10	0.032	(0.291)	0.029	0.003
200	16.67	0.10	0.032	(0.289)	0.029	0.003
201	16.75	0.10	0.032	(0.288)	0.029	0.003
202	16.83	0.10	0.032	(0.286)	0.029	0.003
203	16.92	0.10	0.032	(0.285)	0.029	0.003
204	17.00	0.10	0.032	(0.283)	0.029	0.003
205	17.08	0.17	0.054	(0.282)	0.049	0.005
206	17.17	0.17	0.054	(0.281)	0.049	0.005
207	17.25	0.17	0.054	(0.279)	0.049	0.005
208	17.33	0.17	0.054	(0.278)	0.049	0.005
209	17.42	0.17	0.054	(0.276)	0.049	0.005
210	17.50	0.17	0.054	(0.275)	0.049	0.005
211	17.58	0.17	0.054	(0.274)	0.049	0.005
212	17.67	0.17	0.054	(0.272)	0.049	0.005
213	17.75	0.17	0.054	(0.271)	0.049	0.005
214	17.83	0.13	0.043	(0.270)	0.039	0.004
215	17.92	0.13	0.043	(0.268)	0.039	0.004
216	18.00	0.13	0.043	(0.267)	0.039	0.004
217	18.08	0.13	0.043	(0.266)	0.039	0.004
218	18.17	0.13	0.043	(0.264)	0.039	0.004
219	18.25	0.13	0.043	(0.263)	0.039	0.004
220	18.33	0.13	0.043	(0.262)	0.039	0.004

221	18.42	0.13	0.043	(0.260)	0.039	0.004
222	18.50	0.13	0.043	(0.259)	0.039	0.004
223	18.58	0.10	0.032	(0.258)	0.029	0.003
224	18.67	0.10	0.032	(0.257)	0.029	0.003
225	18.75	0.10	0.032	(0.255)	0.029	0.003
226	18.83	0.07	0.022	(0.254)	0.019	0.002
227	18.92	0.07	0.022	(0.253)	0.019	0.002
228	19.00	0.07	0.022	(0.252)	0.019	0.002
229	19.08	0.10	0.032	(0.251)	0.029	0.003
230	19.17	0.10	0.032	(0.249)	0.029	0.003
231	19.25	0.10	0.032	(0.248)	0.029	0.003
232	19.33	0.13	0.043	(0.247)	0.039	0.004
233	19.42	0.13	0.043	(0.246)	0.039	0.004
234	19.50	0.13	0.043	(0.245)	0.039	0.004
235	19.58	0.10	0.032	(0.244)	0.029	0.003
236	19.67	0.10	0.032	(0.243)	0.029	0.003
237	19.75	0.10	0.032	(0.242)	0.029	0.003
238	19.83	0.07	0.022	(0.240)	0.019	0.002
239	19.92	0.07	0.022	(0.239)	0.019	0.002
240	20.00	0.07	0.022	(0.238)	0.019	0.002
241	20.08	0.10	0.032	(0.237)	0.029	0.003
242	20.17	0.10	0.032	(0.236)	0.029	0.003
243	20.25	0.10	0.032	(0.235)	0.029	0.003
244	20.33	0.10	0.032	(0.234)	0.029	0.003
245	20.42	0.10	0.032	(0.233)	0.029	0.003
246	20.50	0.10	0.032	(0.232)	0.029	0.003
247	20.58	0.10	0.032	(0.231)	0.029	0.003
248	20.67	0.10	0.032	(0.230)	0.029	0.003
249	20.75	0.10	0.032	(0.229)	0.029	0.003
250	20.83	0.07	0.022	(0.228)	0.019	0.002
251	20.92	0.07	0.022	(0.227)	0.019	0.002
252	21.00	0.07	0.022	(0.227)	0.019	0.002
253	21.08	0.10	0.032	(0.226)	0.029	0.003
254	21.17	0.10	0.032	(0.225)	0.029	0.003
255	21.25	0.10	0.032	(0.224)	0.029	0.003
256	21.33	0.07	0.022	(0.223)	0.019	0.002
257	21.42	0.07	0.022	(0.222)	0.019	0.002
258	21.50	0.07	0.022	(0.221)	0.019	0.002
259	21.58	0.10	0.032	(0.221)	0.029	0.003
260	21.67	0.10	0.032	(0.220)	0.029	0.003
261	21.75	0.10	0.032	(0.219)	0.029	0.003
262	21.83	0.07	0.022	(0.218)	0.019	0.002
263	21.92	0.07	0.022	(0.217)	0.019	0.002
264	22.00	0.07	0.022	(0.217)	0.019	0.002
265	22.08	0.10	0.032	(0.216)	0.029	0.003
266	22.17	0.10	0.032	(0.215)	0.029	0.003
267	22.25	0.10	0.032	(0.215)	0.029	0.003
268	22.33	0.07	0.022	(0.214)	0.019	0.002
269	22.42	0.07	0.022	(0.213)	0.019	0.002
270	22.50	0.07	0.022	(0.213)	0.019	0.002
271	22.58	0.07	0.022	(0.212)	0.019	0.002
272	22.67	0.07	0.022	(0.211)	0.019	0.002
273	22.75	0.07	0.022	(0.211)	0.019	0.002
274	22.83	0.07	0.022	(0.210)	0.019	0.002
275	22.92	0.07	0.022	(0.210)	0.019	0.002
276	23.00	0.07	0.022	(0.209)	0.019	0.002
277	23.08	0.07	0.022	(0.209)	0.019	0.002
278	23.17	0.07	0.022	(0.208)	0.019	0.002
279	23.25	0.07	0.022	(0.208)	0.019	0.002
280	23.33	0.07	0.022	(0.207)	0.019	0.002
281	23.42	0.07	0.022	(0.207)	0.019	0.002
282	23.50	0.07	0.022	(0.207)	0.019	0.002
283	23.58	0.07	0.022	(0.206)	0.019	0.002
284	23.67	0.07	0.022	(0.206)	0.019	0.002
285	23.75	0.07	0.022	(0.206)	0.019	0.002
286	23.83	0.07	0.022	(0.206)	0.019	0.002
287	23.92	0.07	0.022	(0.205)	0.019	0.002

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288  24.00     0.07      0.022       (  0.205)       0.019        0.002
            (Loss Rate Not Used)
    Sum =     100.0                                    Sum =     3.2
      Flood volume = Effective rainfall      0.27(In)
       times area      81.8(Ac.)/[(In)/(Ft.)] =       1.8(Ac.Ft)
      Total soil loss =      2.43(In)
      Total soil loss =    16.570(Ac.Ft)
      Total rainfall =      2.70(In)
      Flood volume =       80198.6 Cubic Feet
      Total soil loss =      721787.1 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =      2.895(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          24 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
 ------------------------------------------------------------------------
   0+ 5       0.0000      0.01  Q          |         |         |         |
   0+10       0.0003      0.03  Q          |         |         |         |
   0+15       0.0008      0.08  Q          |         |         |         |
   0+20       0.0016      0.11  Q          |         |         |         |
   0+25       0.0026      0.15  Q          |         |         |         |
   0+30       0.0038      0.18  Q          |         |         |         |
   0+35       0.0052      0.20  Q          |         |         |         |
   0+40       0.0067      0.22  Q          |         |         |         |
   0+45       0.0083      0.23  Q          |         |         |         |
   0+50       0.0099      0.24  Q          |         |         |         |
   0+55       0.0117      0.26  VQ         |         |         |         |
   1+ 0       0.0136      0.28  VQ         |         |         |         |
   1+ 5       0.0157      0.30  VQ         |         |         |         |
   1+10       0.0178      0.30  VQ         |         |         |         |
   1+15       0.0197      0.29  VQ         |         |         |         |
   1+20       0.0216      0.27  VQ         |         |         |         |
   1+25       0.0235      0.27  VQ         |         |         |         |
   1+30       0.0254      0.27  VQ         |         |         |         |
   1+35       0.0272      0.27  VQ         |         |         |         |
   1+40       0.0291      0.27  VQ         |         |         |         |
   1+45       0.0309      0.27  VQ         |         |         |         |
   1+50       0.0328      0.27  VQ         |         |         |         |
   1+55       0.0348      0.29  VQ         |         |         |         |
   2+ 0       0.0369      0.31  VQ         |         |         |         |
   2+ 5       0.0392      0.33  VQ         |         |         |         |
   2+10       0.0415      0.33  VQ         |         |         |         |
   2+15       0.0438      0.34  VQ         |         |         |         |
   2+20       0.0461      0.34  |Q         |         |         |         |
   2+25       0.0485      0.34  |Q         |         |         |         |
   2+30       0.0509      0.35  |Q         |         |         |         |
   2+35       0.0533      0.35  |Q         |         |         |         |
   2+40       0.0559      0.37  |Q         |         |         |         |
   2+45       0.0585      0.39  |Q         |         |         |         |
   2+50       0.0614      0.41  |Q         |         |         |         |
   2+55       0.0642      0.42  |Q         |         |         |         |
   3+ 0       0.0671      0.42  |Q         |         |         |         |
   3+ 5       0.0701      0.43  |Q         |         |         |         |
   3+10       0.0730      0.43  |Q         |         |         |         |
   3+15       0.0760      0.43  |Q         |         |         |         |
   3+20       0.0790      0.44  |Q         |         |         |         |
   3+25       0.0820      0.44  |Q         |         |         |         |
   3+30       0.0851      0.44  |Q         |         |         |         |
   3+35       0.0881      0.44  |Q         |         |         |         |
   3+40       0.0911      0.44  |Q         |         |         |         |
   3+45       0.0942      0.44  |QV        |         |         |         |
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3+50       0.0973      0.45  |QV       |          |          |          |
3+55       0.1004      0.46  |QV       |          |          |          |
4+ 0       0.1038      0.48  |QV       |          |          |          |
4+ 5       0.1072      0.50  | Q       |          |          |          |
4+10       0.1107      0.51  | Q       |          |          |          |
4+15       0.1143      0.51  | Q       |          |          |          |
4+20       0.1179      0.52  | Q       |          |          |          |
4+25       0.1216      0.54  | Q       |          |          |          |
4+30       0.1254      0.56  | Q       |          |          |          |
4+35       0.1294      0.58  | Q       |          |          |          |
4+40       0.1335      0.59  | Q       |          |          |          |
4+45       0.1376      0.60  | Q       |          |          |          |
4+50       0.1418      0.61  | QV      |          |          |          |
4+55       0.1461      0.62  | QV      |          |          |          |
5+ 0       0.1506      0.65  | QV      |          |          |          |
5+ 5       0.1551      0.66  | QV      |          |          |          |
5+10       0.1596      0.65  | QV      |          |          |          |
5+15       0.1638      0.61  | QV      |          |          |          |
5+20       0.1678      0.58  | QV      |          |          |          |
5+25       0.1718      0.58  | QV      |          |          |          |
5+30       0.1759      0.60  | QV      |          |          |          |
5+35       0.1802      0.61  | QV      |          |          |          |
5+40       0.1845      0.63  | Q V     |          |          |          |
5+45       0.1890      0.66  | Q V     |          |          |          |
5+50       0.1937      0.67  | Q V     |          |          |          |
5+55       0.1984      0.68  | Q V     |          |          |          |
6+ 0       0.2032      0.69  | Q V     |          |          |          |
6+ 5       0.2080      0.70  | Q V     |          |          |          |
6+10       0.2129      0.72  | Q V     |          |          |          |
6+15       0.2180      0.74  | Q V     |          |          |          |
6+20       0.2232      0.76  |  QV     |          |          |          |
6+25       0.2285      0.77  |  QV     |          |          |          |
6+30       0.2339      0.78  |  Q V    |          |          |          |
6+35       0.2393      0.78  |  Q V    |          |          |          |
6+40       0.2448      0.80  |  Q V    |          |          |          |
6+45       0.2505      0.83  |  Q V    |          |          |          |
6+50       0.2563      0.85  |  Q V    |          |          |          |
6+55       0.2622      0.86  |  Q V    |          |          |          |
7+ 0       0.2682      0.86  |  Q V    |          |          |          |
7+ 5       0.2741      0.87  |  Q V    |          |          |          |
7+10       0.2802      0.87  |  Q  V   |          |          |          |
7+15       0.2862      0.88  |  Q  V   |          |          |          |
7+20       0.2923      0.88  |  Q  V   |          |          |          |
7+25       0.2985      0.90  |  Q  V   |          |          |          |
7+30       0.3048      0.92  |  Q  V   |          |          |          |
7+35       0.3113      0.94  |  Q  V   |          |          |          |
7+40       0.3180      0.97  |  Q  V   |          |          |          |
7+45       0.3248      1.00  |  Q   V  |          |          |          |
7+50       0.3319      1.02  |   Q  V  |          |          |          |
7+55       0.3391      1.05  |   Q  V  |          |          |          |
8+ 0       0.3465      1.08  |   Q  V  |          |          |          |
8+ 5       0.3541      1.11  |   Q  V  |          |          |          |
8+10       0.3620      1.15  |   Q  V  |          |          |          |
8+15       0.3703      1.20  |   Q   V |          |          |          |
8+20       0.3788      1.24  |   Q   V |          |          |          |
8+25       0.3875      1.26  |    Q  V |          |          |          |
8+30       0.3963      1.28  |    Q  V |          |          |          |
8+35       0.4052      1.29  |    Q  V |          |          |          |
8+40       0.4143      1.31  |    Q   V|          |          |          |
8+45       0.4235      1.34  |    Q   V|          |          |          |
8+50       0.4330      1.37  |    Q   V|          |          |          |
8+55       0.4426      1.40  |    Q   V|          |          |          |
9+ 0       0.4524      1.43  |    Q   V|          |          |          |
9+ 5       0.4625      1.46  |    Q    V          |          |          |
9+10       0.4728      1.50  |     Q   V          |          |          |
9+15       0.4835      1.55  |     Q   V          |          |          |
9+20       0.4945      1.60  |     Q   V          |          |          |
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 9+25      0.5058     1.64  |     Q   V         |         |         |
 9+30      0.5173     1.67  |     Q   |V        |         |         |
 9+35      0.5290     1.70  |     Q   |V        |         |         |
 9+40      0.5410     1.74  |     Q   |V        |         |         |
 9+45      0.5532     1.77  |      Q  | V       |         |         |
 9+50      0.5656     1.80  |      Q  | V       |         |         |
 9+55      0.5782     1.83  |      Q  | V       |         |         |
10+ 0      0.5910     1.86  |      Q  | V       |         |         |
10+ 5      0.6039     1.87  |      Q  |  V      |         |         |
10+10      0.6162     1.79  |      Q  |  V      |         |         |
10+15      0.6275     1.64  |     Q   |  V      |         |         |
10+20      0.6381     1.53  |     Q   |  V      |         |         |
10+25      0.6483     1.48  |    Q    |   V     |         |         |
10+30      0.6583     1.45  |    Q    |   V     |         |         |
10+35      0.6682     1.45  |    Q    |   V     |         |         |
10+40      0.6785     1.50  |    Q    |   V     |         |         |
10+45      0.6895     1.59  |     Q   |   V     |         |         |
10+50      0.7010     1.67  |     Q   |    V    |         |         |
10+55      0.7127     1.70  |     Q   |    V    |         |         |
11+ 0      0.7246     1.72  |     Q   |    V    |         |         |
11+ 5      0.7365     1.73  |     Q   |     V   |         |         |
11+10      0.7484     1.73  |     Q   |     V   |         |         |
11+15      0.7601     1.71  |     Q   |     V   |         |         |
11+20      0.7718     1.70  |     Q   |     V   |         |         |
11+25      0.7835     1.69  |     Q   |      V  |         |         |
11+30      0.7952     1.69  |     Q   |      V  |         |         |
11+35      0.8068     1.69  |     Q   |      V  |         |         |
11+40      0.8182     1.66  |     Q   |      V  |         |         |
11+45      0.8293     1.61  |     Q   |       V |         |         |
11+50      0.8402     1.58  |     Q   |       V |         |         |
11+55      0.8511     1.58  |     Q   |       V |         |         |
12+ 0      0.8620     1.59  |     Q   |       V |         |         |
12+ 5      0.8732     1.63  |     Q   |       V |         |         |
12+10      0.8851     1.72  |     Q   |        V|         |         |
12+15      0.8980     1.88  |      Q  |        V|         |         |
12+20      0.9118     2.00  |       Q |        V|         |         |
12+25      0.9261     2.08  |       Q |         V         |         |
12+30      0.9408     2.13  |       Q |         V         |         |
12+35      0.9558     2.18  |       Q |         V         |         |
12+40      0.9712     2.24  |       Q |          |V       |         |
12+45      0.9871     2.30  |        Q|          |V       |         |
12+50      1.0033     2.36  |        Q|          |V       |         |
12+55      1.0198     2.40  |        Q|          | V      |         |
13+ 0      1.0366     2.44  |        Q|          | V      |         |
13+ 5      1.0538     2.49  |        Q|          | V      |         |
13+10      1.0716     2.58  |         Q         |  V      |         |
13+15      1.0903     2.71  |         Q         |  V      |         |
13+20      1.1096     2.81  |         |Q        |   V     |         |
13+25      1.1293     2.86  |         |Q        |   V     |         |
13+30      1.1492     2.90  |         |Q        |   V     |         |
13+35      1.1691     2.88  |         |Q        |    V    |         |
13+40      1.1881     2.76  |         |Q        |    V    |         |
13+45      1.2055     2.53  |         Q         |     V   |         |
13+50      1.2218     2.36  |        Q|         |     V   |         |
13+55      1.2375     2.28  |        Q|         |     V   |         |
14+ 0      1.2528     2.23  |       Q |         |      V  |         |
14+ 5      1.2680     2.21  |       Q |         |      V  |         |
14+10      1.2834     2.24  |       Q |         |      V  |         |
14+15      1.2993     2.30  |        Q|         |       V |         |
14+20      1.3155     2.35  |        Q|         |       V |         |
14+25      1.3317     2.36  |        Q|         |       V |         |
14+30      1.3479     2.35  |        Q|         |        V|         |
14+35      1.3640     2.34  |        Q|         |        V|         |
14+40      1.3800     2.33  |        Q|         |        V|         |
14+45      1.3960     2.33  |        Q|         |         V         |
14+50      1.4120     2.32  |        Q|         |         V         |
14+55      1.4279     2.31  |        Q|         |         |V        |
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15+ 0       1.4436      2.28  |         Q|          |          |V         |
15+ 5       1.4592      2.26  |         Q|          |          |V         |
15+10       1.4746      2.24  |        Q |          |          | V        |
15+15       1.4898      2.21  |        Q |          |          | V        |
15+20       1.5048      2.18  |        Q |          |          | V        |
15+25       1.5196      2.16  |        Q |          |          |  V       |
15+30       1.5343      2.13  |        Q |          |          |  V       |
15+35       1.5487      2.09  |        Q |          |          |  V       |
15+40       1.5626      2.03  |        Q |          |          |  V       |
15+45       1.5759      1.93  |       Q  |          |          |   V      |
15+50       1.5887      1.86  |       Q  |          |          |   V      |
15+55       1.6012      1.82  |       Q  |          |          |   V      |
16+ 0       1.6136      1.79  |       Q  |          |          |    V     |
16+ 5       1.6254      1.72  |      Q   |          |          |    V     |
16+10       1.6358      1.50  |      Q   |          |          |    V     |
16+15       1.6438      1.16  |    Q     |          |          |    V     |
16+20       1.6500      0.90  |  Q       |          |          |    V     |
16+25       1.6552      0.76  |  Q       |          |          |    V     |
16+30       1.6599      0.68  | Q        |          |          |     V    |
16+35       1.6642      0.61  | Q        |          |          |     V    |
16+40       1.6680      0.55  | Q        |          |          |     V    |
16+45       1.6713      0.49  |Q         |          |          |     V    |
16+50       1.6744      0.44  |Q         |          |          |     V    |
16+55       1.6772      0.41  |Q         |          |          |     V    |
17+ 0       1.6798      0.38  |Q         |          |          |     V    |
17+ 5       1.6824      0.37  |Q         |          |          |     V    |
17+10       1.6849      0.38  |Q         |          |          |     V    |
17+15       1.6877      0.40  |Q         |          |          |     V    |
17+20       1.6907      0.43  |Q         |          |          |     V    |
17+25       1.6936      0.43  |Q         |          |          |     V    |
17+30       1.6966      0.43  |Q         |          |          |     V    |
17+35       1.6996      0.44  |Q         |          |          |     V    |
17+40       1.7026      0.44  |Q         |          |          |     V    |
17+45       1.7056      0.43  |Q         |          |          |      V   |
17+50       1.7086      0.43  |Q         |          |          |      V   |
17+55       1.7114      0.42  |Q         |          |          |      V   |
18+ 0       1.7142      0.40  |Q         |          |          |      V   |
18+ 5       1.7168      0.38  |Q         |          |          |      V   |
18+10       1.7194      0.37  |Q         |          |          |      V   |
18+15       1.7219      0.37  |Q         |          |          |      V   |
18+20       1.7244      0.37  |Q         |          |          |      V   |
18+25       1.7270      0.37  |Q         |          |          |      V   |
18+30       1.7295      0.36  |Q         |          |          |      V   |
18+35       1.7319      0.36  |Q         |          |          |      V   |
18+40       1.7343      0.35  |Q         |          |          |      V   |
18+45       1.7365      0.32  |Q         |          |          |      V   |
18+50       1.7386      0.30  |Q         |          |          |      V   |
18+55       1.7405      0.28  |Q         |          |          |      V   |
19+ 0       1.7423      0.25  |Q         |          |          |      V   |
19+ 5       1.7439      0.23  Q          |          |          |      V   |
19+10       1.7455      0.23  Q          |          |          |      V   |
19+15       1.7472      0.25  Q          |          |          |      V   |
19+20       1.7490      0.26  |Q         |          |          |      V   |
19+25       1.7510      0.28  |Q         |          |          |       V  |
19+30       1.7530      0.30  |Q         |          |          |       V  |
19+35       1.7552      0.32  |Q         |          |          |       V  |
19+40       1.7574      0.31  |Q         |          |          |       V  |
19+45       1.7594      0.30  |Q         |          |          |       V  |
19+50       1.7614      0.28  |Q         |          |          |       V  |
19+55       1.7632      0.26  |Q         |          |          |       V  |
20+ 0       1.7648      0.24  Q          |          |          |       V  |
20+ 5       1.7663      0.22  Q          |          |          |       V  |
20+10       1.7678      0.22  Q          |          |          |       V  |
20+15       1.7695      0.24  Q          |          |          |       V  |
20+20       1.7712      0.25  |Q         |          |          |       V  |
20+25       1.7730      0.26  |Q         |          |          |       V  |
20+30       1.7748      0.26  |Q         |          |          |       V  |
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  20+35      1.7766     0.26  |Q       |         |         |       V |
  20+40      1.7784     0.26  |Q       |         |         |       V |
  20+45      1.7802     0.26  |Q       |         |         |       V |
  20+50      1.7820     0.26  |Q       |         |         |       V |
  20+55      1.7837     0.25  Q        |         |         |       V |
  21+ 0      1.7853     0.23  Q        |         |         |       V |
  21+ 5      1.7868     0.21  Q        |         |         |       V |
  21+10      1.7883     0.22  Q        |         |         |       V |
  21+15      1.7899     0.24  Q        |         |         |       V |
  21+20      1.7916     0.24  Q        |         |         |       V |
  21+25      1.7932     0.24  Q        |         |         |       V |
  21+30      1.7947     0.22  Q        |         |         |       V |
  21+35      1.7962     0.21  Q        |         |         |        V|
  21+40      1.7976     0.21  Q        |         |         |        V|
  21+45      1.7992     0.23  Q        |         |         |        V|
  21+50      1.8009     0.24  Q        |         |         |        V|
  21+55      1.8025     0.24  Q        |         |         |        V|
  22+ 0      1.8040     0.22  Q        |         |         |        V|
  22+ 5      1.8054     0.21  Q        |         |         |        V|
  22+10      1.8069     0.21  Q        |         |         |        V|
  22+15      1.8085     0.23  Q        |         |         |        V|
  22+20      1.8101     0.24  Q        |         |         |        V|
  22+25      1.8117     0.23  Q        |         |         |        V|
  22+30      1.8132     0.22  Q        |         |         |        V|
  22+35      1.8146     0.20  Q        |         |         |        V|
  22+40      1.8159     0.19  Q        |         |         |        V|
  22+45      1.8173     0.19  Q        |         |         |        V|
  22+50      1.8186     0.19  Q        |         |         |        V|
  22+55      1.8199     0.19  Q        |         |         |        V|
  23+ 0      1.8211     0.19  Q        |         |         |        V|
  23+ 5      1.8224     0.18  Q        |         |         |        V|
  23+10      1.8236     0.18  Q        |         |         |        V|
  23+15      1.8249     0.18  Q        |         |         |        V|
  23+20      1.8262     0.18  Q        |         |         |        V|
  23+25      1.8274     0.18  Q        |         |         |        V|
  23+30      1.8286     0.18  Q        |         |         |        V|
  23+35      1.8299     0.18  Q        |         |         |        V|
  23+40      1.8311     0.18  Q        |         |         |        V|
  23+45      1.8323     0.18  Q        |         |         |        V|
  23+50      1.8336     0.18  Q        |         |         |        V|
  23+55      1.8348     0.18  Q        |         |         |        V|
  24+ 0      1.8360     0.18  Q        |         |         |        V|
  24+ 5      1.8372     0.17  Q        |         |         |        V|
  24+10      1.8382     0.14  Q        |         |         |        V|
  24+15      1.8389     0.10  Q        |         |         |        V|
  24+20      1.8394     0.07  Q        |         |         |        V|
  24+25      1.8397     0.05  Q        |         |         |        V|
  24+30      1.8400     0.04  Q        |         |         |        V|
  24+35      1.8402     0.03  Q        |         |         |        V|
  24+40      1.8404     0.03  Q        |         |         |        V|
  24+45      1.8405     0.02  Q        |         |         |        V|
  24+50      1.8406     0.02  Q        |         |         |        V|
  24+55      1.8407     0.01  Q        |         |         |        V|
  25+ 0      1.8408     0.01  Q        |         |         |        V|
  25+ 5      1.8409     0.01  Q        |         |         |        V|
  25+10      1.8409     0.01  Q        |         |         |        V|
  25+15      1.8410     0.01  Q        |         |         |        V|
  25+20      1.8410     0.01  Q        |         |         |        V|
  25+25      1.8411     0.00  Q        |         |         |        V|
  25+30      1.8411     0.00  Q        |         |         |        V|
  25+35      1.8411     0.00  Q        |         |         |        V|
  25+40      1.8411     0.00  Q        |         |         |        V|
  25+45      1.8411     0.00  Q        |         |         |         V
-------------------------------------------------------------------------
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FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014
Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRH242.rte
**********HYDROGRAPH DATA**********
Number of intervals = 295
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 22.948 (CFS)
Total volume = 14.007 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN H- ROUTING
2YR-24HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 295
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	1.450	0.470	1.448	1.452
2.000	3.000	0.710	2.998	3.002
3.000	4.660	1.690	4.654	4.666
4.000	6.440	2.170	6.433	6.447
5.000	8.330	2.560	8.321	8.339
6.000	10.330	2.890	10.320	10.340
7.000	12.460	3.190	12.449	12.471
8.000	14.710	3.460	14.698	14.722
9.000	17.150	83.630	16.862	17.438

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 5.7 11.47 17.21 22.95 Depth (Ft.)
0.083	0.27	0.00	0.001	O | | | | 0.00

0.167	0.92	0.00	0.005	OI	|	|	|	0.00
0.250	1.13	0.00	0.012	OI	|	|	|	0.01
0.333	1.36	0.01	0.021	OI	|	|	|	0.01
0.417	1.74	0.01	0.031	O I	|	|	|	0.02
0.500	1.88	0.01	0.044	O I	|	|	|	0.03
0.583	1.95	0.02	0.057	O I	|	|	|	0.04
0.667	2.00	0.02	0.070	O I	|	|	|	0.05
0.750	2.01	0.03	0.084	O I	|	|	|	0.06
0.833	2.16	0.03	0.098	O I	|	|	|	0.07
0.917	2.50	0.04	0.114	O I	|	|	|	0.08
1.000	2.60	0.04	0.131	O I	|	|	|	0.09
1.083	2.51	0.05	0.148	O I	|	|	|	0.10
1.167	2.21	0.05	0.164	O I	|	|	|	0.11
1.250	2.13	0.06	0.179	O I	|	|	|	0.12
1.333	2.09	0.06	0.193	O I	|	|	|	0.13
1.417	2.07	0.07	0.207	O I	|	|	|	0.14
1.500	2.05	0.07	0.220	O I	|	|	|	0.15
1.583	2.04	0.08	0.234	O I	|	|	|	0.16
1.667	2.03	0.08	0.248	O I	|	|	|	0.17
1.750	2.03	0.08	0.261	O I	|	|	|	0.18
1.833	2.17	0.09	0.275	O I	|	|	|	0.19
1.917	2.50	0.09	0.290	O I	|	|	|	0.20
2.000	2.60	0.10	0.307	O I	|	|	|	0.21
2.083	2.65	0.11	0.325	O I	|	|	|	0.22
2.167	2.67	0.11	0.342	O I	|	|	|	0.24
2.250	2.69	0.12	0.360	O I	|	|	|	0.25
2.333	2.70	0.12	0.378	O I	|	|	|	0.26
2.417	2.71	0.13	0.395	O I	|	|	|	0.27
2.500	2.71	0.13	0.413	O I	|	|	|	0.28
2.583	2.84	0.14	0.431	O I	|	|	|	0.30
2.667	3.17	0.15	0.451	O I	|	|	|	0.31
2.750	3.28	0.15	0.472	O I	|	|	|	0.33
2.833	3.33	0.16	0.494	O I	|	|	|	0.34
2.917	3.35	0.17	0.516	O I	|	|	|	0.36
3.000	3.37	0.17	0.538	O I	|	|	|	0.37
3.083	3.38	0.18	0.560	O I	|	|	|	0.39
3.167	3.39	0.19	0.582	O I	|	|	|	0.40
3.250	3.39	0.20	0.604	O I	|	|	|	0.42
3.333	3.39	0.20	0.626	O I	|	|	|	0.43
3.417	3.39	0.21	0.648	O I	|	|	|	0.45
3.500	3.39	0.22	0.670	O I	|	|	|	0.46
3.583	3.39	0.22	0.691	O I	|	|	|	0.48
3.667	3.39	0.23	0.713	O I	|	|	|	0.49
3.750	3.39	0.24	0.735	O I	|	|	|	0.51
3.833	3.52	0.25	0.757	O I	|	|	|	0.52
3.917	3.85	0.25	0.781	O I	|	|	|	0.54
4.000	3.96	0.26	0.806	O I	|	|	|	0.56
4.083	4.00	0.27	0.831	O I	|	|	|	0.57
4.167	4.03	0.28	0.857	O I	|	|	|	0.59
4.250	4.05	0.29	0.883	O I	|	|	|	0.61
4.333	4.19	0.29	0.909	O I	|	|	|	0.63
4.417	4.53	0.30	0.937	O I	|	|	|	0.65
4.500	4.63	0.31	0.967	O I	|	|	|	0.67
4.583	4.68	0.32	0.997	O I	|	|	|	0.69
4.667	4.71	0.33	1.027	O I	|	|	|	0.71
4.750	4.73	0.34	1.057	O I	|	|	|	0.73
4.833	4.87	0.35	1.088	O I	|	|	|	0.75
4.917	5.21	0.36	1.120	O I	|	|	|	0.77
5.000	5.31	0.37	1.154	O I	|	|	|	0.80
5.083	5.09	0.38	1.187	O I	|	|	|	0.82
5.167	4.46	0.39	1.217	O I	|	|	|	0.84
5.250	4.27	0.40	1.244	O I	|	|	|	0.86
5.333	4.32	0.41	1.271	O I	|	|	|	0.88
5.417	4.60	0.42	1.299	O I	|	|	|	0.90
5.500	4.67	0.43	1.328	O I	|	|	|	0.92
5.583	4.83	0.44	1.358	O I	|	|	|	0.94
5.667	5.17	0.45	1.389	O I	|	|	|	0.96

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 5.750    5.29    0.46      1.422  O      I|       |       |       |     0.98
 5.833    5.35    0.47      1.455  O      I|       |       |       |     1.00
 5.917    5.39    0.48      1.489  O      I|       |       |       |     1.03
 6.000    5.40    0.48      1.523  O      I|       |       |       |     1.05
 6.083    5.55    0.49      1.557  O      I|       |       |       |     1.07
 6.167    5.89    0.49      1.593  O       I       |       |       |     1.09
 6.250    5.99    0.50      1.631  O       I       |       |       |     1.12
 6.333    6.04    0.50      1.669  O       I       |       |       |     1.14
 6.417    6.06    0.51      1.707  O       I       |       |       |     1.17
 6.500    6.08    0.52      1.745  O       I       |       |       |     1.19
 6.583    6.22    0.52      1.784  O       I       |       |       |     1.22
 6.667    6.56    0.53      1.824  O       |I      |       |       |     1.24
 6.750    6.67    0.53      1.866  O       |I      |       |       |     1.27
 6.833    6.72    0.54      1.909  O       |I      |       |       |     1.30
 6.917    6.74    0.55      1.951  O       |I      |       |       |     1.32
 7.000    6.76    0.55      1.994  O       |I      |       |       |     1.35
 7.083    6.77    0.56      2.037  O       |I      |       |       |     1.38
 7.167    6.78    0.57      2.080  O       |I      |       |       |     1.41
 7.250    6.78    0.57      2.122  O       |I      |       |       |     1.43
 7.333    6.91    0.58      2.165  O       |I      |       |       |     1.46
 7.417    7.24    0.59      2.210  O       | I     |       |       |     1.49
 7.500    7.35    0.59      2.256  O       | I     |       |       |     1.52
 7.583    7.53    0.60      2.303  O       | I     |       |       |     1.55
 7.667    7.88    0.61      2.352  O       | I     |       |       |     1.58
 7.750    8.00    0.62      2.403  O       |  I    |       |       |     1.61
 7.833    8.19    0.63      2.454  O       |  I    |       |       |     1.65
 7.917    8.56    0.63      2.508  O       |  I    |       |       |     1.68
 8.000    8.68    0.64      2.563  O       |   I   |       |       |     1.72
 8.083    9.00    0.65      2.619  O       |   I   |       |       |     1.75
 8.167    9.70    0.66      2.679  O       |    I  |       |       |     1.79
 8.250    9.93    0.67      2.742  O       |    I  |       |       |     1.83
 8.333   10.03    0.68      2.806  O       |    I  |       |       |     1.87
 8.417   10.09    0.69      2.871  O       |     I |       |       |     1.92
 8.500   10.13    0.70      2.935  O       |     I |       |       |     1.96
 8.583   10.28    0.71      3.001  O       |     I |       |       |     2.00
 8.667   10.63    0.75      3.068  |O      |     I |       |       |     2.04
 8.750   10.74    0.79      3.136  |O      |     I |       |       |     2.08
 8.833   10.92    0.83      3.205  |O      |      I|       |       |     2.12
 8.917   11.27    0.87      3.276  |O      |      I|       |       |     2.17
 9.000   11.39    0.92      3.348  |O      |      I|       |       |     2.21
 9.083   11.72    0.96      3.421  |O      |       I       |       |     2.25
 9.167   12.41    1.00      3.497  |O      |       |I      |       |     2.30
 9.250   12.64    1.05      3.576  |O      |       |I      |       |     2.35
 9.333   12.88    1.10      3.657  |O      |       |I      |       |     2.40
 9.417   13.27    1.15      3.739  |O      |       | I     |       |     2.45
 9.500   13.41    1.20      3.823  |O      |       | I     |       |     2.50
 9.583   13.61    1.25      3.907  |O      |       | I     |       |     2.55
 9.667   13.98    1.30      3.994  |O      |       |  I    |       |     2.60
 9.750   14.10    1.35      4.081  |O      |       |  I    |       |     2.65
 9.833   14.30    1.40      4.170  |O      |       |  I    |       |     2.70
 9.917   14.66    1.45      4.259  | O     |       |   I   |       |     2.76
10.000   14.78    1.51      4.351  | O     |       |   I   |       |     2.81
10.083   13.91    1.56      4.439  | O     |       |  I    |       |     2.87
10.167   11.65    1.60      4.516  | O     |       I       |       |     2.91
10.250   10.93    1.64      4.583  | O     |      I|       |       |     2.95
10.333   10.61    1.68      4.645  | O     |     I |       |       |     2.99
10.417   10.43    1.70      4.706  | O     |     I |       |       |     3.03
10.500   10.31    1.72      4.766  | O     |     I |       |       |     3.06
10.583   10.90    1.73      4.827  | O     |      I|       |       |     3.09
10.667   12.48    1.75      4.895  | O     |       |I      |       |     3.13
10.750   13.00    1.77      4.971  | O     |       | I     |       |     3.17
10.833   13.24    1.79      5.049  | O     |       | I     |       |     3.22
10.917   13.37    1.82      5.128  | O     |       | I     |       |     3.26
11.000   13.46    1.84      5.208  | O     |       | I     |       |     3.31
11.083   13.38    1.86      5.288  | O     |       | I     |       |     3.35
11.167   13.10    1.88      5.366  | O     |       | I     |       |     3.40
11.250   12.99    1.90      5.443  | O     |       | I     |       |     3.44
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11.333	12.95	1.92	5.519	O		I			3.48
11.417	12.92	1.94	5.595	O		I			3.53
11.500	12.90	1.96	5.670	O		I			3.57
11.583	12.63	1.98	5.744	O		I			3.61
11.667	11.96	2.00	5.815	O		I			3.65
11.750	11.75	2.02	5.883	O		I			3.69
11.833	11.79	2.04	5.950	O		I			3.72
11.917	12.06	2.06	6.018	O		I			3.76
12.000	12.13	2.07	6.087	O		I			3.80
12.083	13.09	2.09	6.160	O		I			3.84
12.167	15.40	2.12	6.243	O		I			3.89
12.250	16.15	2.14	6.337	O		I			3.94
12.333	16.62	2.17	6.435	O		I			4.00
12.417	17.15	2.19	6.537	O		I			4.05
12.500	17.37	2.21	6.640	O		I			4.11
12.583	17.76	2.23	6.746	O		I			4.16
12.667	18.51	2.26	6.855	O		I			4.22
12.750	18.74	2.28	6.968	O		I			4.28
12.833	18.98	2.30	7.082	O		I			4.34
12.917	19.37	2.33	7.198	O		I			4.40
13.000	19.51	2.35	7.316	O		I			4.46
13.083	20.24	2.38	7.437	O		I			4.53
13.167	21.93	2.40	7.565	O		I			4.60
13.250	22.47	2.43	7.702	O		I			4.67
13.333	22.72	2.46	7.840	O		I			4.74
13.417	22.86	2.49	7.980	O		I			4.82
13.500	22.95	2.52	8.121	O		I			4.89
13.583	21.54	2.54	8.257	O		I			4.96
13.667	17.97	2.57	8.375	O		I			5.02
13.750	16.82	2.58	8.477	O		I			5.07
13.833	16.30	2.60	8.573	O		I			5.12
13.917	16.01	2.62	8.667	O		I			5.17
14.000	15.82	2.63	8.758	O		I			5.21
14.083	16.23	2.65	8.850	O		I			5.26
14.167	17.44	2.66	8.948	O		I			5.31
14.250	17.86	2.68	9.051	O		I			5.36
14.333	17.91	2.70	9.156	O		I			5.41
14.417	17.69	2.71	9.260	O		I			5.46
14.500	17.66	2.73	9.363	O		I			5.52
14.583	17.65	2.75	9.466	O		I			5.57
14.667	17.66	2.76	9.568	O		I			5.62
14.750	17.65	2.78	9.671	O		I			5.67
14.833	17.50	2.80	9.773	O		I			5.72
14.917	17.17	2.81	9.873	O		I			5.77
15.000	17.06	2.83	9.971	O		I			5.82
15.083	16.88	2.85	10.068	O		I			5.87
15.167	16.52	2.86	10.164	O		I			5.92
15.250	16.40	2.88	10.257	O		I			5.96
15.333	16.21	2.89	10.350	O		I			6.01
15.417	15.85	2.91	10.440	O		I			6.05
15.500	15.72	2.92	10.529	O		I			6.09
15.583	15.14	2.93	10.615	O		I			6.13
15.667	13.78	2.94	10.694	O		I			6.17
15.750	13.35	2.95	10.768	O		I			6.21
15.833	13.15	2.96	10.838	O		I			6.24
15.917	13.03	2.97	10.908	O		I			6.27
16.000	12.96	2.98	10.977	O		I			6.30
16.083	10.93	2.99	11.039	O		I			6.33
16.167	5.96	3.00	11.076	O	I				6.35
16.250	4.39	**3.00**	**11.091**	**O I**					**6.36**
16.333	3.68	3.00	11.098	OI					6.36
16.417	3.28	3.00	11.102	O					6.36
16.500	3.02	3.00	11.103	O					6.36
16.583	2.73	3.00	11.102	IO					6.36
16.667	2.25	3.00	11.098	IO					6.36
16.750	2.15	3.00	11.093	I O					6.36
16.833	2.10	3.00	11.087	I O					6.36

16.917	2.07	3.00	11.081	I O				6.35
17.000	2.05	2.99	11.074	I O				6.35
17.083	2.31	2.99	11.069	IO				6.35
17.167	2.96	2.99	11.066	O				6.35
17.250	3.17	2.99	11.067	O				6.35
17.333	3.26	2.99	11.068	O				6.35
17.417	3.31	2.99	11.070	O				6.35
17.500	3.35	2.99	11.072	O				6.35
17.583	3.37	2.99	11.075	O				6.35
17.667	3.39	3.00	11.078	O				6.35
17.750	3.39	3.00	11.080	O				6.35
17.833	3.26	3.00	11.083	O				6.35
17.917	2.93	3.00	11.083	O				6.35
18.000	2.82	3.00	11.082	IO				6.35
18.083	2.78	3.00	11.081	IO				6.35
18.167	2.75	3.00	11.079	IO				6.35
18.250	2.73	3.00	11.078	IO				6.35
18.333	2.72	3.00	11.076	IO				6.35
18.417	2.71	2.99	11.074	IO				6.35
18.500	2.71	2.99	11.072	IO				6.35
18.583	2.58	2.99	11.070	IO				6.35
18.667	2.25	2.99	11.066	IO				6.35
18.750	2.15	2.99	11.060	I O				6.34
18.833	1.97	2.99	11.054	I O				6.34
18.917	1.61	2.99	11.045	I O				6.34
19.000	1.49	2.99	11.035	I O				6.33
19.083	1.56	2.99	11.025	I O				6.33
19.167	1.86	2.99	11.017	I O				6.32
19.250	1.94	2.99	11.009	I O				6.32
19.333	2.11	2.98	11.002	I O				6.32
19.417	2.46	2.98	10.998	IO				6.31
19.500	2.58	2.98	10.994	IO				6.31
19.583	2.50	2.98	10.991	IO				6.31
19.667	2.21	2.98	10.987	IO				6.31
19.750	2.13	2.98	10.982	I O				6.31
19.833	1.96	2.98	10.975	I O				6.30
19.917	1.61	2.98	10.967	I O				6.30
20.000	1.49	2.98	10.957	I O				6.29
20.083	1.56	2.98	10.947	I O				6.29
20.167	1.86	2.98	10.938	I O				6.29
20.250	1.94	2.97	10.931	I O				6.28
20.333	1.98	2.97	10.924	I O				6.28
20.417	2.00	2.97	10.917	I O				6.28
20.500	2.01	2.97	10.910	I O				6.27
20.583	2.02	2.97	10.904	I O				6.27
20.667	2.03	2.97	10.897	I O				6.27
20.750	2.03	2.97	10.891	I O				6.26
20.833	1.90	2.97	10.884	I O				6.26
20.917	1.57	2.97	10.876	I O				6.26
21.000	1.47	2.97	10.866	I O				6.25
21.083	1.55	2.96	10.856	I O				6.25
21.167	1.86	2.96	10.847	I O				6.24
21.250	1.94	2.96	10.840	I O				6.24
21.333	1.85	2.96	10.832	I O				6.24
21.417	1.53	2.96	10.823	I O				6.23
21.500	1.45	2.96	10.813	I O				6.23
21.583	1.54	2.96	10.803	I O				6.22
21.667	1.86	2.96	10.795	I O				6.22
21.750	1.94	2.95	10.787	I O				6.21
21.833	1.85	2.95	10.780	I O				6.21
21.917	1.53	2.95	10.771	I O				6.21
22.000	1.45	2.95	10.761	I O				6.20
22.083	1.54	2.95	10.751	I O				6.20
22.167	1.86	2.95	10.743	I O				6.19
22.250	1.94	2.95	10.735	I O				6.19
22.333	1.85	2.95	10.728	I O				6.19
22.417	1.53	2.94	10.720	I O				6.18

22.500	1.45	2.94	10.710	| I O	|	|	|	6.18
22.583	1.41	2.94	10.699	|I O	|	|	|	6.17
22.667	1.39	2.94	10.689	|I O	|	|	|	6.17
22.750	1.38	2.94	10.678	|I O	|	|	|	6.16
22.833	1.37	2.94	10.667	|I O	|	|	|	6.16
22.917	1.36	2.94	10.656	|I O	|	|	|	6.15
23.000	1.36	2.93	10.645	|I O	|	|	|	6.15
23.083	1.36	2.93	10.634	|I O	|	|	|	6.14
23.167	1.36	2.93	10.624	|I O	|	|	|	6.14
23.250	1.36	2.93	10.613	|I O	|	|	|	6.13
23.333	1.36	2.93	10.602	|I O	|	|	|	6.13
23.417	1.36	2.93	10.591	|I O	|	|	|	6.12
23.500	1.36	2.93	10.580	|I O	|	|	|	6.12
23.583	1.36	2.92	10.569	|I O	|	|	|	6.11
23.667	1.36	2.92	10.559	|I O	|	|	|	6.11
23.750	1.36	2.92	10.548	|I O	|	|	|	6.10
23.833	1.36	2.92	10.537	|I O	|	|	|	6.10
23.917	1.36	2.92	10.526	|I O	|	|	|	6.09
24.000	1.36	2.92	10.516	|I O	|	|	|	6.09
24.083	1.09	2.91	10.504	|I O	|	|	|	6.08
24.167	0.43	2.91	10.489	I O	|	|	|	6.07
24.250	0.22	2.91	10.471	I O	|	|	|	6.07
24.333	0.13	2.91	10.453	I O	|	|	|	6.06
24.417	0.08	2.90	10.433	I O	|	|	|	6.05
24.500	0.04	2.90	10.414	I O	|	|	|	6.04
24.583	0.02	2.90	10.394	I O	|	|	|	6.03
24.667	0.00	2.90	10.374	I O	|	|	|	6.02
24.750	0.00	2.89	10.354	I O	|	|	|	6.01
24.833	0.00	2.89	10.334	I O	|	|	|	6.00
24.917	0.00	2.89	10.314	I O	|	|	|	5.99
25.000	0.00	2.88	10.294	I O	|	|	|	5.98
25.083	0.00	2.88	10.274	I O	|	|	|	5.97
25.167	0.00	2.88	10.255	I O	|	|	|	5.96
25.250	0.00	2.87	10.235	I O	|	|	|	5.95
25.333	0.00	2.87	10.215	I O	|	|	|	5.94
25.417	0.00	2.87	10.195	I O	|	|	|	5.93
25.500	0.00	2.86	10.176	I O	|	|	|	5.92
25.583	0.00	2.86	10.156	I O	|	|	|	5.91
25.667	0.00	2.86	10.136	I O	|	|	|	5.90
25.750	0.00	2.85	10.116	I O	|	|	|	5.89
25.833	0.00	2.85	10.097	I O	|	|	|	5.88
25.917	0.00	2.85	10.077	I O	|	|	|	5.87
26.000	0.00	2.85	10.058	I O	|	|	|	5.86
26.083	0.00	2.84	10.038	I O	|	|	|	5.85
26.167	0.00	2.84	10.018	I O	|	|	|	5.84
26.250	0.00	2.84	9.999	I O	|	|	|	5.83
26.333	0.00	2.83	9.979	I O	|	|	|	5.82
26.417	0.00	2.83	9.960	I O	|	|	|	5.81
26.500	0.00	2.83	9.940	I O	|	|	|	5.81
26.583	0.00	2.82	9.921	I O	|	|	|	5.80
26.667	0.00	2.82	9.902	I O	|	|	|	5.79
26.750	0.00	2.82	9.882	I O	|	|	|	5.78
26.833	0.00	2.81	9.863	I O	|	|	|	5.77
26.917	0.00	2.81	9.843	I O	|	|	|	5.76
27.000	0.00	2.81	9.824	I O	|	|	|	5.75
27.083	0.00	2.80	9.805	I O	|	|	|	5.74
27.167	0.00	2.80	9.785	I O	|	|	|	5.73
27.250	0.00	2.80	9.766	I O	|	|	|	5.72
27.333	0.00	2.79	9.747	I O	|	|	|	5.71
27.417	0.00	2.79	9.728	I O	|	|	|	5.70
27.500	0.00	2.79	9.708	I O	|	|	|	5.69
27.583	0.00	2.78	9.689	I O	|	|	|	5.68
27.667	0.00	2.78	9.670	I O	|	|	|	5.67
27.750	0.00	2.78	9.651	I O	|	|	|	5.66
27.833	0.00	2.77	9.632	I O	|	|	|	5.65
27.917	0.00	2.77	9.613	I O	|	|	|	5.64
28.000	0.00	2.77	9.594	I O	|	|	|	5.63

28.083	0.00	2.77	9.575	I	O	|	|	|	|	5.62
28.167	0.00	2.76	9.556	I	O	|	|	|	|	5.61
28.250	0.00	2.76	9.537	I	O	|	|	|	|	5.60
28.333	0.00	2.76	9.518	I	O	|	|	|	|	5.59
28.417	0.00	2.75	9.499	I	O	|	|	|	|	5.58
28.500	0.00	2.75	9.480	I	O	|	|	|	|	5.57
28.583	0.00	2.75	9.461	I	O	|	|	|	|	5.57
28.667	0.00	2.74	9.442	I	O	|	|	|	|	5.56
28.750	0.00	2.74	9.423	I	O	|	|	|	|	5.55
28.833	0.00	2.74	9.404	I	O	|	|	|	|	5.54
28.917	0.00	2.73	9.385	I	O	|	|	|	|	5.53
29.000	0.00	2.73	9.366	I	O	|	|	|	|	5.52
29.083	0.00	2.73	9.348	I	O	|	|	|	|	5.51
29.167	0.00	2.72	9.329	I	O	|	|	|	|	5.50
29.250	0.00	2.72	9.310	I	O	|	|	|	|	5.49
29.333	0.00	2.72	9.291	I	O	|	|	|	|	5.48
29.417	0.00	2.72	9.273	I	O	|	|	|	|	5.47
29.500	0.00	2.71	9.254	I	O	|	|	|	|	5.46
29.583	0.00	2.71	9.235	I	O	|	|	|	|	5.45
29.667	0.00	2.71	9.217	I	O	|	|	|	|	5.44
29.750	0.00	2.70	9.198	I	O	|	|	|	|	5.43
29.833	0.00	2.70	9.179	I	O	|	|	|	|	5.42
29.917	0.00	2.70	9.161	I	O	|	|	|	|	5.42
30.000	0.00	2.69	9.142	I	O	|	|	|	|	5.41
30.083	0.00	2.69	9.124	I	O	|	|	|	|	5.40
30.167	0.00	2.69	9.105	I	O	|	|	|	|	5.39
30.250	0.00	2.68	9.087	I	O	|	|	|	|	5.38
30.333	0.00	2.68	9.068	I	O	|	|	|	|	5.37
30.417	0.00	2.68	9.050	I	O	|	|	|	|	5.36
30.500	0.00	2.68	9.031	I	O	|	|	|	|	5.35
30.583	0.00	2.67	9.013	I	O	|	|	|	|	5.34
30.667	0.00	2.67	8.995	I	O	|	|	|	|	5.33
30.750	0.00	2.67	8.976	I	O	|	|	|	|	5.32
30.833	0.00	2.66	8.958	I	O	|	|	|	|	5.31
30.917	0.00	2.66	8.939	I	O	|	|	|	|	5.30
31.000	0.00	2.66	8.921	I	O	|	|	|	|	5.30
31.083	0.00	2.65	8.903	I	O	|	|	|	|	5.29
31.167	0.00	2.65	8.885	I	O	|	|	|	|	5.28
31.250	0.00	2.65	8.866	I	O	|	|	|	|	5.27
31.333	0.00	2.65	8.848	I	O	|	|	|	|	5.26
31.417	0.00	2.64	8.830	I	O	|	|	|	|	5.25
31.500	0.00	2.64	8.812	I	O	|	|	|	|	5.24
31.583	0.00	2.64	8.794	I	O	|	|	|	|	5.23
31.667	0.00	2.63	8.775	I	O	|	|	|	|	5.22
31.750	0.00	2.63	8.757	I	O	|	|	|	|	5.21
31.833	0.00	2.63	8.739	I	O	|	|	|	|	5.20
31.917	0.00	2.62	8.721	I	O	|	|	|	|	5.20
32.000	0.00	2.62	8.703	I	O	|	|	|	|	5.19
32.083	0.00	2.62	8.685	I	O	|	|	|	|	5.18
32.167	0.00	2.62	8.667	I	O	|	|	|	|	5.17
32.250	0.00	2.61	8.649	I	O	|	|	|	|	5.16
32.333	0.00	2.61	8.631	I	O	|	|	|	|	5.15
32.417	0.00	2.61	8.613	I	O	|	|	|	|	5.14
32.500	0.00	2.60	8.595	I	O	|	|	|	|	5.13
32.583	0.00	2.60	8.577	I	O	|	|	|	|	5.12
32.667	0.00	2.60	8.559	I	O	|	|	|	|	5.11
32.750	0.00	2.59	8.541	I	O	|	|	|	|	5.11
32.833	0.00	2.59	8.523	I	O	|	|	|	|	5.10
32.917	0.00	2.59	8.506	I	O	|	|	|	|	5.09
33.000	0.00	2.59	8.488	I	O	|	|	|	|	5.08
33.083	0.00	2.58	8.470	I	O	|	|	|	|	5.07
33.167	0.00	2.58	8.452	I	O	|	|	|	|	5.06
33.250	0.00	2.58	8.434	I	O	|	|	|	|	5.05
33.333	0.00	2.57	8.417	I	O	|	|	|	|	5.04
33.417	0.00	2.57	8.399	I	O	|	|	|	|	5.03
33.500	0.00	2.57	8.381	I	O	|	|	|	|	5.03
33.583	0.00	2.57	8.364	I	O	|	|	|	|	5.02

33.667	0.00	2.56	8.346	I	O	|	|	|	|	5.01
33.750	0.00	2.56	8.328	I	O	|	|	|	|	5.00
33.833	0.00	2.56	8.311	I	O	|	|	|	|	4.99
33.917	0.00	2.55	8.293	I	O	|	|	|	|	4.98
34.000	0.00	2.55	8.276	I	O	|	|	|	|	4.97
34.083	0.00	2.55	8.258	I	O	|	|	|	|	4.96
34.167	0.00	2.54	8.241	I	O	|	|	|	|	4.95
34.250	0.00	2.54	8.223	I	O	|	|	|	|	4.94
34.333	0.00	2.53	8.206	I	O	|	|	|	|	4.93
34.417	0.00	2.53	8.188	I	O	|	|	|	|	4.92
34.500	0.00	2.53	8.171	I	O	|	|	|	|	4.92
34.583	0.00	2.52	8.153	I	O	|	|	|	|	4.91
34.667	0.00	2.52	8.136	I	O	|	|	|	|	4.90
34.750	0.00	2.52	8.119	I	O	|	|	|	|	4.89
34.833	0.00	2.51	8.101	I	O	|	|	|	|	4.88
34.917	0.00	2.51	8.084	I	O	|	|	|	|	4.87
35.000	0.00	2.51	8.067	I	O	|	|	|	|	4.86
35.083	0.00	2.50	8.049	I	O	|	|	|	|	4.85
35.167	0.00	2.50	8.032	I	O	|	|	|	|	4.84
35.250	0.00	2.50	8.015	I	O	|	|	|	|	4.83
35.333	0.00	2.49	7.998	I	O	|	|	|	|	4.82
35.417	0.00	2.49	7.981	I	O	|	|	|	|	4.82
35.500	0.00	2.48	7.964	I	O	|	|	|	|	4.81
35.583	0.00	2.48	7.947	I	O	|	|	|	|	4.80
35.667	0.00	2.48	7.929	I	O	|	|	|	|	4.79
35.750	0.00	2.47	7.912	I	O	|	|	|	|	4.78
35.833	0.00	2.47	7.895	I	O	|	|	|	|	4.77
35.917	0.00	2.47	7.878	I	O	|	|	|	|	4.76
36.000	0.00	2.46	7.861	I	O	|	|	|	|	4.75
36.083	0.00	2.46	7.844	I	O	|	|	|	|	4.74
36.167	0.00	2.46	7.827	I	O	|	|	|	|	4.73
36.250	0.00	2.45	7.811	I	O	|	|	|	|	4.73
36.333	0.00	2.45	7.794	I	O	|	|	|	|	4.72
36.417	0.00	2.45	7.777	I	O	|	|	|	|	4.71
36.500	0.00	2.44	7.760	I	O	|	|	|	|	4.70
36.583	0.00	2.44	7.743	I	O	|	|	|	|	4.69
36.667	0.00	2.44	7.726	I	O	|	|	|	|	4.68
36.750	0.00	2.43	7.710	I	O	|	|	|	|	4.67
36.833	0.00	2.43	7.693	I	O	|	|	|	|	4.66
36.917	0.00	2.43	7.676	I	O	|	|	|	|	4.65
37.000	0.00	2.42	7.660	I	O	|	|	|	|	4.65
37.083	0.00	2.42	7.643	I	O	|	|	|	|	4.64
37.167	0.00	2.41	7.626	I	O	|	|	|	|	4.63
37.250	0.00	2.41	7.610	I	O	|	|	|	|	4.62
37.333	0.00	2.41	7.593	I	O	|	|	|	|	4.61
37.417	0.00	2.40	7.576	I	O	|	|	|	|	4.60
37.500	0.00	2.40	7.560	I	O	|	|	|	|	4.59
37.583	0.00	2.40	7.543	I	O	|	|	|	|	4.58
37.667	0.00	2.39	7.527	I	O	|	|	|	|	4.58
37.750	0.00	2.39	7.510	I	O	|	|	|	|	4.57
37.833	0.00	2.39	7.494	I	O	|	|	|	|	4.56
37.917	0.00	2.38	7.477	I	O	|	|	|	|	4.55
38.000	0.00	2.38	7.461	I	O	|	|	|	|	4.54
38.083	0.00	2.38	7.445	I	O	|	|	|	|	4.53
38.167	0.00	2.37	7.428	I	O	|	|	|	|	4.52
38.250	0.00	2.37	7.412	I	O	|	|	|	|	4.51
38.333	0.00	2.37	7.396	I	O	|	|	|	|	4.51
38.417	0.00	2.36	7.379	I	O	|	|	|	|	4.50
38.500	0.00	2.36	7.363	I	O	|	|	|	|	4.49
38.583	0.00	2.36	7.347	I	O	|	|	|	|	4.48
38.667	0.00	2.35	7.331	I	O	|	|	|	|	4.47
38.750	0.00	2.35	7.314	I	O	|	|	|	|	4.46
38.833	0.00	2.35	7.298	I	O	|	|	|	|	4.45
38.917	0.00	2.34	7.282	I	O	|	|	|	|	4.45
39.000	0.00	2.34	7.266	I	O	|	|	|	|	4.44
39.083	0.00	2.34	7.250	I	O	|	|	|	|	4.43
39.167	0.00	2.33	7.234	I	O	|	|	|	|	4.42

39.250	0.00	2.33	7.218	I	O	|	|	|	4.41
39.333	0.00	2.33	7.202	I	O	|	|	|	4.40
39.417	0.00	2.32	7.186	I	O	|	|	|	4.39
39.500	0.00	2.32	7.170	I	O	|	|	|	4.39
39.583	0.00	2.32	7.154	I	O	|	|	|	4.38
39.667	0.00	2.31	7.138	I	O	|	|	|	4.37
39.750	0.00	2.31	7.122	I	O	|	|	|	4.36
39.833	0.00	2.31	7.106	I	O	|	|	|	4.35
39.917	0.00	2.30	7.090	I	O	|	|	|	4.34
40.000	0.00	2.30	7.074	I	O	|	|	|	4.34
40.083	0.00	2.30	7.058	I	O	|	|	|	4.33
40.167	0.00	2.29	7.043	I	O	|	|	|	4.32
40.250	0.00	2.29	7.027	I	O	|	|	|	4.31
40.333	0.00	2.29	7.011	I	O	|	|	|	4.30
40.417	0.00	2.28	6.995	I	O	|	|	|	4.29
40.500	0.00	2.28	6.980	I	O	|	|	|	4.29
40.583	0.00	2.28	6.964	I	O	|	|	|	4.28
40.667	0.00	2.27	6.948	I	O	|	|	|	4.27
40.750	0.00	2.27	6.933	I	O	|	|	|	4.26
40.833	0.00	2.27	6.917	I	O	|	|	|	4.25
40.917	0.00	2.27	6.901	I	O	|	|	|	4.24
41.000	0.00	2.26	6.886	I	O	|	|	|	4.24
41.083	0.00	2.26	6.870	I	O	|	|	|	4.23
41.167	0.00	2.26	6.855	I	O	|	|	|	4.22
41.250	0.00	2.25	6.839	I	O	|	|	|	4.21
41.333	0.00	2.25	6.824	I	O	|	|	|	4.20
41.417	0.00	2.25	6.808	I	O	|	|	|	4.19
41.500	0.00	2.24	6.793	I	O	|	|	|	4.19
41.583	0.00	2.24	6.777	I	O	|	|	|	4.18
41.667	0.00	2.24	6.762	I	O	|	|	|	4.17
41.750	0.00	2.23	6.746	I	O	|	|	|	4.16
41.833	0.00	2.23	6.731	I	O	|	|	|	4.15
41.917	0.00	2.23	6.716	I	O	|	|	|	4.15
42.000	0.00	2.22	6.700	I	O	|	|	|	4.14
42.083	0.00	2.22	6.685	I	O	|	|	|	4.13
42.167	0.00	2.22	6.670	I	O	|	|	|	4.12
42.250	0.00	2.21	6.654	I	O	|	|	|	4.11
42.333	0.00	2.21	6.639	I	O	|	|	|	4.11
42.417	0.00	2.21	6.624	I	O	|	|	|	4.10
42.500	0.00	2.20	6.609	I	O	|	|	|	4.09
42.583	0.00	2.20	6.594	I	O	|	|	|	4.08
42.667	0.00	2.20	6.578	I	O	|	|	|	4.07
42.750	0.00	2.20	6.563	I	O	|	|	|	4.07
42.833	0.00	2.19	6.548	I	O	|	|	|	4.06
42.917	0.00	2.19	6.533	I	O	|	|	|	4.05
43.000	0.00	2.19	6.518	I	O	|	|	|	4.04
43.083	0.00	2.18	6.503	I	O	|	|	|	4.03
43.167	0.00	2.18	6.488	I	O	|	|	|	4.03
43.250	0.00	2.18	6.473	I	O	|	|	|	4.02
43.333	0.00	2.17	6.458	I	O	|	|	|	4.01
43.417	0.00	2.17	6.443	I	O	|	|	|	4.00
43.500	0.00	2.17	6.428	I	O	|	|	|	3.99
43.583	0.00	2.16	6.413	I	O	|	|	|	3.98
43.667	0.00	2.16	6.398	I	O	|	|	|	3.98
43.750	0.00	2.15	6.384	I	O	|	|	|	3.97
43.833	0.00	2.15	6.369	I	O	|	|	|	3.96
43.917	0.00	2.15	6.354	I	O	|	|	|	3.95
44.000	0.00	2.14	6.339	I	O	|	|	|	3.94
44.083	0.00	2.14	6.324	I	O	|	|	|	3.94
44.167	0.00	2.13	6.310	I	O	|	|	|	3.93
44.250	0.00	2.13	6.295	I	O	|	|	|	3.92
44.333	0.00	2.13	6.280	I	O	|	|	|	3.91
44.417	0.00	2.12	6.266	I	O	|	|	|	3.90
44.500	0.00	2.12	6.251	I	O	|	|	|	3.89
44.583	0.00	2.12	6.236	I	O	|	|	|	3.89
44.667	0.00	2.11	6.222	I	O	|	|	|	3.88
44.750	0.00	2.11	6.207	I	O	|	|	|	3.87

44.833	0.00	2.10	6.193	I O	|	|	|	3.86
44.917	0.00	2.10	6.178	I O	|	|	|	3.85
45.000	0.00	2.10	6.164	I O	|	|	|	3.84
45.083	0.00	2.09	6.150	I O	|	|	|	3.84
45.167	0.00	2.09	6.135	I O	|	|	|	3.83
45.250	0.00	2.08	6.121	I O	|	|	|	3.82
45.333	0.00	2.08	6.106	I O	|	|	|	3.81
45.417	0.00	2.08	6.092	I O	|	|	|	3.80
45.500	0.00	2.07	6.078	I O	|	|	|	3.80
45.583	0.00	2.07	6.064	I O	|	|	|	3.79
45.667	0.00	2.06	6.049	I O	|	|	|	3.78
45.750	0.00	2.06	6.035	I O	|	|	|	3.77
45.833	0.00	2.06	6.021	I O	|	|	|	3.76
45.917	0.00	2.05	6.007	I O	|	|	|	3.76
46.000	0.00	2.05	5.993	I O	|	|	|	3.75
46.083	0.00	2.05	5.979	I O	|	|	|	3.74
46.167	0.00	2.04	5.965	I O	|	|	|	3.73
46.250	0.00	2.04	5.950	I O	|	|	|	3.72
46.333	0.00	2.03	5.936	I O	|	|	|	3.72
46.417	0.00	2.03	5.922	I O	|	|	|	3.71
46.500	0.00	2.03	5.908	I O	|	|	|	3.70
46.583	0.00	2.02	5.895	I O	|	|	|	3.69
46.667	0.00	2.02	5.881	I O	|	|	|	3.69
46.750	0.00	2.02	5.867	I O	|	|	|	3.68
46.833	0.00	2.01	5.853	I O	|	|	|	3.67
46.917	0.00	2.01	5.839	I O	|	|	|	3.66
47.000	0.00	2.00	5.825	I O	|	|	|	3.65
47.083	0.00	2.00	5.811	I O	|	|	|	3.65
47.167	0.00	2.00	5.798	I O	|	|	|	3.64
47.250	0.00	1.99	5.784	I O	|	|	|	3.63
47.333	0.00	1.99	5.770	I O	|	|	|	3.62
47.417	0.00	1.99	5.757	I O	|	|	|	3.62
47.500	0.00	1.98	5.743	I O	|	|	|	3.61
47.583	0.00	1.98	5.729	I O	|	|	|	3.60
47.667	0.00	1.97	5.716	I O	|	|	|	3.59
47.750	0.00	1.97	5.702	I O	|	|	|	3.59
47.833	0.00	1.97	5.688	I O	|	|	|	3.58
47.917	0.00	1.96	5.675	I O	|	|	|	3.57
48.000	0.00	1.96	5.661	I O	|	|	|	3.56
48.083	0.00	1.96	5.648	I O	|	|	|	3.56
48.167	0.00	1.95	5.634	I O	|	|	|	3.55
48.250	0.00	1.95	5.621	I O	|	|	|	3.54
48.333	0.00	1.95	5.608	I O	|	|	|	3.53
48.417	0.00	1.94	5.594	I O	|	|	|	3.52
48.500	0.00	1.94	5.581	I O	|	|	|	3.52
48.583	0.00	1.93	5.568	I O	|	|	|	3.51
48.667	0.00	1.93	5.554	I O	|	|	|	3.50
48.750	0.00	1.93	5.541	I O	|	|	|	3.49
48.833	0.00	1.92	5.528	I O	|	|	|	3.49
48.917	0.00	1.92	5.514	I O	|	|	|	3.48
49.000	0.00	1.92	5.501	I O	|	|	|	3.47
49.083	0.00	1.91	5.488	I O	|	|	|	3.47
49.167	0.00	1.91	5.475	I O	|	|	|	3.46
49.250	0.00	1.91	5.462	I O	|	|	|	3.45
49.333	0.00	1.90	5.449	I O	|	|	|	3.44
49.417	0.00	1.90	5.436	I O	|	|	|	3.44
49.500	0.00	1.90	5.422	I O	|	|	|	3.43
49.583	0.00	1.89	5.409	I O	|	|	|	3.42
49.667	0.00	1.89	5.396	I O	|	|	|	3.41
49.750	0.00	1.89	5.383	I O	|	|	|	3.41
49.833	0.00	1.88	5.370	I O	|	|	|	3.40
49.917	0.00	1.88	5.357	I O	|	|	|	3.39
50.000	0.00	1.87	5.345	I O	|	|	|	3.38
50.083	0.00	1.87	5.332	I O	|	|	|	3.38
50.167	0.00	1.87	5.319	I O	|	|	|	3.37
50.250	0.00	1.86	5.306	I O	|	|	|	3.36
50.333	0.00	1.86	5.293	I O	|	|	|	3.36

50.417	0.00	1.86	5.280	I O	|	|	|	3.35
50.500	0.00	1.85	5.268	I O	|	|	|	3.34
50.583	0.00	1.85	5.255	I O	|	|	|	3.33
50.667	0.00	1.85	5.242	I O	|	|	|	3.33
50.750	0.00	1.84	5.229	I O	|	|	|	3.32
50.833	0.00	1.84	5.217	I O	|	|	|	3.31
50.917	0.00	1.84	5.204	I O	|	|	|	3.31
51.000	0.00	1.83	5.191	I O	|	|	|	3.30
51.083	0.00	1.83	5.179	I O	|	|	|	3.29
51.167	0.00	1.83	5.166	I O	|	|	|	3.28
51.250	0.00	1.82	5.154	I O	|	|	|	3.28
51.333	0.00	1.82	5.141	I O	|	|	|	3.27
51.417	0.00	1.82	5.128	I O	|	|	|	3.26
51.500	0.00	1.81	5.116	I O	|	|	|	3.26
51.583	0.00	1.81	5.104	I O	|	|	|	3.25
51.667	0.00	1.81	5.091	I O	|	|	|	3.24
51.750	0.00	1.80	5.079	I O	|	|	|	3.24
51.833	0.00	1.80	5.066	I O	|	|	|	3.23
51.917	0.00	1.80	5.054	I O	|	|	|	3.22
52.000	0.00	1.79	5.041	I O	|	|	|	3.21
52.083	0.00	1.79	5.029	I O	|	|	|	3.21
52.167	0.00	1.79	5.017	I O	|	|	|	3.20
52.250	0.00	1.78	5.005	I O	|	|	|	3.19
52.333	0.00	1.78	4.992	I O	|	|	|	3.19
52.417	0.00	1.78	4.980	I O	|	|	|	3.18
52.500	0.00	1.77	4.968	I O	|	|	|	3.17
52.583	0.00	1.77	4.956	I O	|	|	|	3.17
52.667	0.00	1.77	4.943	I O	|	|	|	3.16
52.750	0.00	1.76	4.931	I O	|	|	|	3.15
52.833	0.00	1.76	4.919	I O	|	|	|	3.15
52.917	0.00	1.76	4.907	I O	|	|	|	3.14
53.000	0.00	1.75	4.895	I O	|	|	|	3.13
53.083	0.00	1.75	4.883	I O	|	|	|	3.13
53.167	0.00	1.75	4.871	I O	|	|	|	3.12
53.250	0.00	1.74	4.859	I O	|	|	|	3.11
53.333	0.00	1.74	4.847	I O	|	|	|	3.10
53.417	0.00	1.74	4.835	I O	|	|	|	3.10
53.500	0.00	1.73	4.823	I O	|	|	|	3.09
53.583	0.00	1.73	4.811	I O	|	|	|	3.08
53.667	0.00	1.73	4.799	I O	|	|	|	3.08
53.750	0.00	1.72	4.787	I O	|	|	|	3.07
53.833	0.00	1.72	4.775	I O	|	|	|	3.06
53.917	0.00	1.72	4.763	I O	|	|	|	3.06
54.000	0.00	1.71	4.752	I O	|	|	|	3.05
54.083	0.00	1.71	4.740	I O	|	|	|	3.04
54.167	0.00	1.71	4.728	I O	|	|	|	3.04
54.250	0.00	1.71	4.716	I O	|	|	|	3.03
54.333	0.00	1.70	4.705	I O	|	|	|	3.03
54.417	0.00	1.70	4.693	I O	|	|	|	3.02
54.500	0.00	1.70	4.681	I O	|	|	|	3.01
54.583	0.00	1.69	4.670	I O	|	|	|	3.01
54.667	0.00	1.69	4.658	I O	|	|	|	3.00
54.750	0.00	1.68	4.646	I O	|	|	|	2.99
54.833	0.00	1.68	4.635	I O	|	|	|	2.98
54.917	0.00	1.67	4.623	I O	|	|	|	2.98
55.000	0.00	1.66	4.612	I O	|	|	|	2.97
55.083	0.00	1.65	4.600	I O	|	|	|	2.96
55.167	0.00	1.65	4.589	I O	|	|	|	2.96
55.250	0.00	1.64	4.578	I O	|	|	|	2.95
55.333	0.00	1.63	4.566	I O	|	|	|	2.94
55.417	0.00	1.63	4.555	I O	|	|	|	2.94
55.500	0.00	1.62	4.544	I O	|	|	|	2.93
55.583	0.00	1.61	4.533	I O	|	|	|	2.92
55.667	0.00	1.61	4.522	I O	|	|	|	2.92
55.750	0.00	1.60	4.511	I O	|	|	|	2.91
55.833	0.00	1.60	4.500	I O	|	|	|	2.90
55.917	0.00	1.59	4.489	I O	|	|	|	2.90

56.000	0.00	1.58	4.478	I O				2.89
56.083	0.00	1.58	4.467	I O				2.88
56.167	0.00	1.57	4.456	I O				2.88
56.250	0.00	1.56	4.445	I O				2.87
56.333	0.00	1.56	4.434	I O				2.86
56.417	0.00	1.55	4.424	I O				2.86
56.500	0.00	1.54	4.413	I O				2.85
56.583	0.00	1.54	4.403	I O				2.84
56.667	0.00	1.53	4.392	I O				2.84
56.750	0.00	1.53	4.381	I O				2.83
56.833	0.00	1.52	4.371	I O				2.83
56.917	0.00	1.51	4.360	I O				2.82
57.000	0.00	1.51	4.350	I O				2.81
57.083	0.00	1.50	4.340	I O				2.81
57.167	0.00	1.49	4.329	I O				2.80
57.250	0.00	1.49	4.319	I O				2.79
57.333	0.00	1.48	4.309	I O				2.79
57.417	0.00	1.48	4.299	I O				2.78
57.500	0.00	1.47	4.289	I O				2.78
57.583	0.00	1.46	4.278	I O				2.77
57.667	0.00	1.46	4.268	I O				2.76
57.750	0.00	1.45	4.258	I O				2.76
57.833	0.00	1.45	4.248	I O				2.75
57.917	0.00	1.44	4.238	I O				2.75
58.000	0.00	1.44	4.229	I O				2.74
58.083	0.00	1.43	4.219	IO				2.73
58.167	0.00	1.42	4.209	IO				2.73
58.250	0.00	1.42	4.199	IO				2.72
58.333	0.00	1.41	4.189	IO				2.72
58.417	0.00	1.41	4.180	IO				2.71
58.500	0.00	1.40	4.170	IO				2.70
58.583	0.00	1.40	4.160	IO				2.70
58.667	0.00	1.39	4.151	IO				2.69
58.750	0.00	1.38	4.141	IO				2.69
58.833	0.00	1.38	4.132	IO				2.68
58.917	0.00	1.37	4.122	IO				2.68
59.000	0.00	1.37	4.113	IO				2.67
59.083	0.00	1.36	4.103	IO				2.66
59.167	0.00	1.36	4.094	IO				2.66
59.250	0.00	1.35	4.085	IO				2.65
59.333	0.00	1.34	4.075	IO				2.65
59.417	0.00	1.34	4.066	IO				2.64
59.500	0.00	1.33	4.057	IO				2.64
59.583	0.00	1.33	4.048	IO				2.63
59.667	0.00	1.32	4.039	IO				2.63
59.750	0.00	1.32	4.030	IO				2.62
59.833	0.00	1.31	4.021	IO				2.61
59.917	0.00	1.31	4.011	IO				2.61
60.000	0.00	1.30	4.002	IO				2.60
60.083	0.00	1.30	3.994	IO				2.60
60.167	0.00	1.29	3.985	IO				2.59
60.250	0.00	1.29	3.976	IO				2.59
60.333	0.00	1.28	3.967	IO				2.58
60.417	0.00	1.28	3.958	IO				2.58
60.500	0.00	1.27	3.949	IO				2.57
60.583	0.00	1.27	3.941	IO				2.57
60.667	0.00	1.26	3.932	IO				2.56
60.750	0.00	1.26	3.923	IO				2.56
60.833	0.00	1.25	3.915	IO				2.55
60.917	0.00	1.24	3.906	IO				2.55
61.000	0.00	1.24	3.897	IO				2.54
61.083	0.00	1.23	3.889	IO				2.54
61.167	0.00	1.23	3.880	IO				2.53
61.250	0.00	1.22	3.872	IO				2.53
61.333	0.00	1.22	3.864	IO				2.52
61.417	0.00	1.21	3.855	IO				2.52
61.500	0.00	1.21	3.847	IO				2.51

61.583	0.00	1.21	3.839	IO					2.51
61.667	0.00	1.20	3.830	IO					2.50
61.750	0.00	1.20	3.822	IO					2.50
61.833	0.00	1.19	3.814	IO					2.49
61.917	0.00	1.19	3.806	IO					2.49
62.000	0.00	1.18	3.797	IO					2.48
62.083	0.00	1.18	3.789	IO					2.48
62.167	0.00	1.17	3.781	IO					2.47
62.250	0.00	1.17	3.773	IO					2.47
62.333	0.00	1.16	3.765	IO					2.46
62.417	0.00	1.16	3.757	IO					2.46
62.500	0.00	1.15	3.749	IO					2.45
62.583	0.00	1.15	3.741	IO					2.45
62.667	0.00	1.14	3.733	IO					2.44
62.750	0.00	1.14	3.726	IO					2.44
62.833	0.00	1.13	3.718	IO					2.43
62.917	0.00	1.13	3.710	IO					2.43
63.000	0.00	1.12	3.702	IO					2.42
63.083	0.00	1.12	3.695	IO					2.42
63.167	0.00	1.12	3.687	IO					2.41
63.250	0.00	1.11	3.679	IO					2.41
63.333	0.00	1.11	3.672	IO					2.40
63.417	0.00	1.10	3.664	IO					2.40
63.500	0.00	1.10	3.656	IO					2.40
63.583	0.00	1.09	3.649	IO					2.39
63.667	0.00	1.09	3.641	IO					2.39
63.750	0.00	1.08	3.634	IO					2.38
63.833	0.00	1.08	3.626	IO					2.38
63.917	0.00	1.08	3.619	IO					2.37
64.000	0.00	1.07	3.612	IO					2.37
64.083	0.00	1.07	3.604	IO					2.36
64.167	0.00	1.06	3.597	IO					2.36
64.250	0.00	1.06	3.590	IO					2.36
64.333	0.00	1.05	3.582	IO					2.35
64.417	0.00	1.05	3.575	IO					2.35
64.500	0.00	1.05	3.568	IO					2.34
64.583	0.00	1.04	3.561	IO					2.34
64.667	0.00	1.04	3.553	IO					2.33
64.750	0.00	1.03	3.546	IO					2.33
64.833	0.00	1.03	3.539	IO					2.32
64.917	0.00	1.02	3.532	IO					2.32
65.000	0.00	1.02	3.525	IO					2.32
65.083	0.00	1.02	3.518	IO					2.31
65.167	0.00	1.01	3.511	IO					2.31
65.250	0.00	1.01	3.504	IO					2.30
65.333	0.00	1.00	3.497	IO					2.30
65.417	0.00	1.00	3.490	IO					2.30
65.500	0.00	1.00	3.484	IO					2.29
65.583	0.00	0.99	3.477	IO					2.29
65.667	0.00	0.99	3.470	IO					2.28
65.750	0.00	0.98	3.463	IO					2.28
65.833	0.00	0.98	3.456	IO					2.27
65.917	0.00	0.98	3.450	IO					2.27
66.000	0.00	0.97	3.443	IO					2.27
66.083	0.00	0.97	3.436	IO					2.26
66.167	0.00	0.96	3.430	IO					2.26
66.250	0.00	0.96	3.423	IO					2.25
66.333	0.00	0.96	3.416	IO					2.25
66.417	0.00	0.95	3.410	IO					2.25
66.500	0.00	0.95	3.403	IO					2.24
66.583	0.00	0.94	3.397	IO					2.24
66.667	0.00	0.94	3.390	IO					2.24
66.750	0.00	0.94	3.384	IO					2.23
66.833	0.00	0.93	3.377	IO					2.23
66.917	0.00	0.93	3.371	IO					2.22
67.000	0.00	0.93	3.365	IO					2.22
67.083	0.00	0.92	3.358	IO					2.22

67.167	0.00	0.92	3.352	IO				2.21
67.250	0.00	0.91	3.346	IO				2.21
67.333	0.00	0.91	3.339	IO				2.20
67.417	0.00	0.91	3.333	IO				2.20
67.500	0.00	0.90	3.327	IO				2.20
67.583	0.00	0.90	3.321	IO				2.19
67.667	0.00	0.90	3.314	IO				2.19
67.750	0.00	0.89	3.308	IO				2.19
67.833	0.00	0.89	3.302	IO				2.18
67.917	0.00	0.88	3.296	IO				2.18
68.000	0.00	0.88	3.290	IO				2.17
68.083	0.00	0.88	3.284	IO				2.17
68.167	0.00	0.87	3.278	IO				2.17
68.250	0.00	0.87	3.272	IO				2.16
68.333	0.00	0.87	3.266	IO				2.16
68.417	0.00	0.86	3.260	IO				2.16
68.500	0.00	0.86	3.254	IO				2.15
68.583	0.00	0.86	3.248	IO				2.15
68.667	0.00	0.85	3.242	IO				2.15
68.750	0.00	0.85	3.236	IO				2.14
68.833	0.00	0.85	3.230	IO				2.14
68.917	0.00	0.84	3.225	IO				2.14
69.000	0.00	0.84	3.219	IO				2.13
69.083	0.00	0.84	3.213	IO				2.13
69.167	0.00	0.83	3.207	IO				2.12
69.250	0.00	0.83	3.202	IO				2.12
69.333	0.00	0.83	3.196	IO				2.12
69.417	0.00	0.82	3.190	IO				2.11
69.500	0.00	0.82	3.185	IO				2.11
69.583	0.00	0.82	3.179	IO				2.11
69.667	0.00	0.81	3.173	IO				2.10
69.750	0.00	0.81	3.168	IO				2.10
69.833	0.00	0.81	3.162	IO				2.10
69.917	0.00	0.80	3.157	IO				2.09
70.000	0.00	0.80	3.151	IO				2.09
70.083	0.00	0.80	3.146	IO				2.09
70.167	0.00	0.79	3.140	IO				2.08
70.250	0.00	0.79	3.135	IO				2.08
70.333	0.00	0.79	3.129	IO				2.08
70.417	0.00	0.78	3.124	IO				2.07
70.500	0.00	0.78	3.118	IO				2.07
70.583	0.00	0.78	3.113	IO				2.07
70.667	0.00	0.77	3.108	IO				2.06
70.750	0.00	0.77	3.102	IO				2.06
70.833	0.00	0.77	3.097	IO				2.06
70.917	0.00	0.76	3.092	IO				2.06
71.000	0.00	0.76	3.087	IO				2.05
71.083	0.00	0.76	3.081	IO				2.05
71.167	0.00	0.75	3.076	IO				2.05
71.250	0.00	0.75	3.071	IO				2.04
71.333	0.00	0.75	3.066	IO				2.04
71.417	0.00	0.75	3.061	IO				2.04
71.500	0.00	0.74	3.056	IO				2.03
71.583	0.00	0.74	3.050	IO				2.03
71.667	0.00	0.74	3.045	IO				2.03
71.750	0.00	0.73	3.040	IO				2.02
71.833	0.00	0.73	3.035	IO				2.02
71.917	0.00	0.73	3.030	IO				2.02
72.000	0.00	0.72	3.025	IO				2.02
72.083	0.00	0.72	3.020	IO				2.01
72.167	0.00	0.72	3.015	IO				2.01
72.250	0.00	0.72	3.010	O				2.01
72.333	0.00	0.71	3.005	O				2.00
72.417	0.00	0.71	3.001	O				2.00
72.500	0.00	0.71	2.996	O				2.00
72.583	0.00	0.71	2.991	O				1.99
72.667	0.00	0.71	2.986	O				1.99

72.750	0.00	0.71	2.981	O	|	|	|	|	1.99
72.833	0.00	0.71	2.976	O	|	|	|	|	1.98
72.917	0.00	0.71	2.971	O	|	|	|	|	1.98
73.000	0.00	0.70	2.966	O	|	|	|	|	1.98
73.083	0.00	0.70	2.962	O	|	|	|	|	1.98
73.167	0.00	0.70	2.957	O	|	|	|	|	1.97
73.250	0.00	0.70	2.952	O	|	|	|	|	1.97
73.333	0.00	0.70	2.947	O	|	|	|	|	1.97
73.417	0.00	0.70	2.942	O	|	|	|	|	1.96
73.500	0.00	0.70	2.937	O	|	|	|	|	1.96
73.583	0.00	0.70	2.933	O	|	|	|	|	1.96
73.667	0.00	0.70	2.928	O	|	|	|	|	1.95
73.750	0.00	0.70	2.923	O	|	|	|	|	1.95
73.833	0.00	0.70	2.918	O	|	|	|	|	1.95
73.917	0.00	0.70	2.913	O	|	|	|	|	1.94
74.000	0.00	0.70	2.909	O	|	|	|	|	1.94
74.083	0.00	0.70	2.904	O	|	|	|	|	1.94
74.167	0.00	0.69	2.899	O	|	|	|	|	1.93
74.250	0.00	0.69	2.894	O	|	|	|	|	1.93
74.333	0.00	0.69	2.889	O	|	|	|	|	1.93
74.417	0.00	0.69	2.885	O	|	|	|	|	1.93
74.500	0.00	0.69	2.880	O	|	|	|	|	1.92
74.583	0.00	0.69	2.875	O	|	|	|	|	1.92
74.667	0.00	0.69	2.870	O	|	|	|	|	1.92
74.750	0.00	0.69	2.866	O	|	|	|	|	1.91
74.833	0.00	0.69	2.861	O	|	|	|	|	1.91
74.917	0.00	0.69	2.856	O	|	|	|	|	1.91
75.000	0.00	0.69	2.851	O	|	|	|	|	1.90
75.083	0.00	0.69	2.847	O	|	|	|	|	1.90
75.167	0.00	0.69	2.842	O	|	|	|	|	1.90
75.250	0.00	0.68	2.837	O	|	|	|	|	1.89
75.333	0.00	0.68	2.833	O	|	|	|	|	1.89
75.417	0.00	0.68	2.828	O	|	|	|	|	1.89
75.500	0.00	0.68	2.823	O	|	|	|	|	1.89
75.583	0.00	0.68	2.818	O	|	|	|	|	1.88
75.667	0.00	0.68	2.814	O	|	|	|	|	1.88
75.750	0.00	0.68	2.809	O	|	|	|	|	1.88
75.833	0.00	0.68	2.804	O	|	|	|	|	1.87
75.917	0.00	0.68	2.800	O	|	|	|	|	1.87
76.000	0.00	0.68	2.795	O	|	|	|	|	1.87
76.083	0.00	0.68	2.790	O	|	|	|	|	1.86
76.167	0.00	0.68	2.786	O	|	|	|	|	1.86
76.250	0.00	0.68	2.781	O	|	|	|	|	1.86
76.333	0.00	0.68	2.776	O	|	|	|	|	1.86
76.417	0.00	0.67	2.772	O	|	|	|	|	1.85
76.500	0.00	0.67	2.767	O	|	|	|	|	1.85
76.583	0.00	0.67	2.762	O	|	|	|	|	1.85
76.667	0.00	0.67	2.758	O	|	|	|	|	1.84
76.750	0.00	0.67	2.753	O	|	|	|	|	1.84
76.833	0.00	0.67	2.749	O	|	|	|	|	1.84
76.917	0.00	0.67	2.744	O	|	|	|	|	1.83
77.000	0.00	0.67	2.739	O	|	|	|	|	1.83
77.083	0.00	0.67	2.735	O	|	|	|	|	1.83
77.167	0.00	0.67	2.730	O	|	|	|	|	1.83
77.250	0.00	0.67	2.725	O	|	|	|	|	1.82
77.333	0.00	0.67	2.721	O	|	|	|	|	1.82
77.417	0.00	0.67	2.716	O	|	|	|	|	1.82
77.500	0.00	0.67	2.712	O	|	|	|	|	1.81
77.583	0.00	0.66	2.707	O	|	|	|	|	1.81
77.667	0.00	0.66	2.703	O	|	|	|	|	1.81
77.750	0.00	0.66	2.698	O	|	|	|	|	1.81
77.833	0.00	0.66	2.693	O	|	|	|	|	1.80
77.917	0.00	0.66	2.689	O	|	|	|	|	1.80
78.000	0.00	0.66	2.684	O	|	|	|	|	1.80
78.083	0.00	0.66	2.680	O	|	|	|	|	1.79
78.167	0.00	0.66	2.675	O	|	|	|	|	1.79
78.250	0.00	0.66	2.671	O	|	|	|	|	1.79

78.333	0.00	0.66	2.666	O	|	|	|	|	1.78
78.417	0.00	0.66	2.662	O	|	|	|	|	1.78
78.500	0.00	0.66	2.657	O	|	|	|	|	1.78
78.583	0.00	0.66	2.653	O	|	|	|	|	1.78
78.667	0.00	0.66	2.648	O	|	|	|	|	1.77
78.750	0.00	0.65	2.644	O	|	|	|	|	1.77
78.833	0.00	0.65	2.639	O	|	|	|	|	1.77
78.917	0.00	0.65	2.635	O	|	|	|	|	1.76
79.000	0.00	0.65	2.630	O	|	|	|	|	1.76
79.083	0.00	0.65	2.626	O	|	|	|	|	1.76
79.167	0.00	0.65	2.621	O	|	|	|	|	1.76
79.250	0.00	0.65	2.617	O	|	|	|	|	1.75
79.333	0.00	0.65	2.612	O	|	|	|	|	1.75
79.417	0.00	0.65	2.608	O	|	|	|	|	1.75
79.500	0.00	0.65	2.603	O	|	|	|	|	1.74
79.583	0.00	0.65	2.599	O	|	|	|	|	1.74
79.667	0.00	0.65	2.594	O	|	|	|	|	1.74
79.750	0.00	0.65	2.590	O	|	|	|	|	1.74
79.833	0.00	0.65	2.585	O	|	|	|	|	1.73
79.917	0.00	0.65	2.581	O	|	|	|	|	1.73
80.000	0.00	0.64	2.576	O	|	|	|	|	1.73
80.083	0.00	0.64	2.572	O	|	|	|	|	1.72
80.167	0.00	0.64	2.568	O	|	|	|	|	1.72
80.250	0.00	0.64	2.563	O	|	|	|	|	1.72
80.333	0.00	0.64	2.559	O	|	|	|	|	1.72
80.417	0.00	0.64	2.554	O	|	|	|	|	1.71
80.500	0.00	0.64	2.550	O	|	|	|	|	1.71
80.583	0.00	0.64	2.545	O	|	|	|	|	1.71
80.667	0.00	0.64	2.541	O	|	|	|	|	1.70
80.750	0.00	0.64	2.537	O	|	|	|	|	1.70
80.833	0.00	0.64	2.532	O	|	|	|	|	1.70
80.917	0.00	0.64	2.528	O	|	|	|	|	1.70
81.000	0.00	0.64	2.524	O	|	|	|	|	1.69
81.083	0.00	0.64	2.519	O	|	|	|	|	1.69
81.167	0.00	0.63	2.515	O	|	|	|	|	1.69
81.250	0.00	0.63	2.510	O	|	|	|	|	1.68
81.333	0.00	0.63	2.506	O	|	|	|	|	1.68
81.417	0.00	0.63	2.502	O	|	|	|	|	1.68
81.500	0.00	0.63	2.497	O	|	|	|	|	1.68
81.583	0.00	0.63	2.493	O	|	|	|	|	1.67
81.667	0.00	0.63	2.489	O	|	|	|	|	1.67
81.750	0.00	0.63	2.484	O	|	|	|	|	1.67
81.833	0.00	0.63	2.480	O	|	|	|	|	1.66
81.917	0.00	0.63	2.476	O	|	|	|	|	1.66
82.000	0.00	0.63	2.471	O	|	|	|	|	1.66
82.083	0.00	0.63	2.467	O	|	|	|	|	1.66
82.167	0.00	0.63	2.463	O	|	|	|	|	1.65
82.250	0.00	0.63	2.458	O	|	|	|	|	1.65
82.333	0.00	0.63	2.454	O	|	|	|	|	1.65
82.417	0.00	0.62	2.450	O	|	|	|	|	1.64
82.500	0.00	0.62	2.445	O	|	|	|	|	1.64
82.583	0.00	0.62	2.441	O	|	|	|	|	1.64
82.667	0.00	0.62	2.437	O	|	|	|	|	1.64
82.750	0.00	0.62	2.433	O	|	|	|	|	1.63
82.833	0.00	0.62	2.428	O	|	|	|	|	1.63
82.917	0.00	0.62	2.424	O	|	|	|	|	1.63
83.000	0.00	0.62	2.420	O	|	|	|	|	1.63
83.083	0.00	0.62	2.415	O	|	|	|	|	1.62
83.167	0.00	0.62	2.411	O	|	|	|	|	1.62
83.250	0.00	0.62	2.407	O	|	|	|	|	1.62
83.333	0.00	0.62	2.403	O	|	|	|	|	1.61
83.417	0.00	0.62	2.398	O	|	|	|	|	1.61
83.500	0.00	0.62	2.394	O	|	|	|	|	1.61
83.583	0.00	0.62	2.390	O	|	|	|	|	1.61
83.667	0.00	0.61	2.386	O	|	|	|	|	1.60
83.750	0.00	0.61	2.381	O	|	|	|	|	1.60
83.833	0.00	0.61	2.377	O	|	|	|	|	1.60

83.917	0.00	0.61	2.373	O	|	|	|	|	1.60
84.000	0.00	0.61	2.369	O	|	|	|	|	1.59
84.083	0.00	0.61	2.365	O	|	|	|	|	1.59
84.167	0.00	0.61	2.360	O	|	|	|	|	1.59
84.250	0.00	0.61	2.356	O	|	|	|	|	1.58
84.333	0.00	0.61	2.352	O	|	|	|	|	1.58
84.417	0.00	0.61	2.348	O	|	|	|	|	1.58
84.500	0.00	0.61	2.344	O	|	|	|	|	1.58
84.583	0.00	0.61	2.339	O	|	|	|	|	1.57
84.667	0.00	0.61	2.335	O	|	|	|	|	1.57
84.750	0.00	0.61	2.331	O	|	|	|	|	1.57
84.833	0.00	0.61	2.327	O	|	|	|	|	1.57
84.917	0.00	0.61	2.323	O	|	|	|	|	1.56
85.000	0.00	0.60	2.318	O	|	|	|	|	1.56
85.083	0.00	0.60	2.314	O	|	|	|	|	1.56
85.167	0.00	0.60	2.310	O	|	|	|	|	1.55
85.250	0.00	0.60	2.306	O	|	|	|	|	1.55
85.333	0.00	0.60	2.302	O	|	|	|	|	1.55
85.417	0.00	0.60	2.298	O	|	|	|	|	1.55
85.500	0.00	0.60	2.294	O	|	|	|	|	1.54
85.583	0.00	0.60	2.289	O	|	|	|	|	1.54
85.667	0.00	0.60	2.285	O	|	|	|	|	1.54
85.750	0.00	0.60	2.281	O	|	|	|	|	1.54
85.833	0.00	0.60	2.277	O	|	|	|	|	1.53
85.917	0.00	0.60	2.273	O	|	|	|	|	1.53
86.000	0.00	0.60	2.269	O	|	|	|	|	1.53
86.083	0.00	0.60	2.265	O	|	|	|	|	1.53
86.167	0.00	0.60	2.261	O	|	|	|	|	1.52
86.250	0.00	0.59	2.257	O	|	|	|	|	1.52
86.333	0.00	0.59	2.252	O	|	|	|	|	1.52
86.417	0.00	0.59	2.248	O	|	|	|	|	1.52
86.500	0.00	0.59	2.244	O	|	|	|	|	1.51
86.583	0.00	0.59	2.240	O	|	|	|	|	1.51
86.667	0.00	0.59	2.236	O	|	|	|	|	1.51
86.750	0.00	0.59	2.232	O	|	|	|	|	1.50
86.833	0.00	0.59	2.228	O	|	|	|	|	1.50
86.917	0.00	0.59	2.224	O	|	|	|	|	1.50
87.000	0.00	0.59	2.220	O	|	|	|	|	1.50
87.083	0.00	0.59	2.216	O	|	|	|	|	1.49
87.167	0.00	0.59	2.212	O	|	|	|	|	1.49
87.250	0.00	0.59	2.208	O	|	|	|	|	1.49
87.333	0.00	0.59	2.204	O	|	|	|	|	1.49
87.417	0.00	0.59	2.200	O	|	|	|	|	1.48
87.500	0.00	0.59	2.196	O	|	|	|	|	1.48
87.583	0.00	0.58	2.192	O	|	|	|	|	1.48
87.667	0.00	0.58	2.188	O	|	|	|	|	1.48
87.750	0.00	0.58	2.183	O	|	|	|	|	1.47
87.833	0.00	0.58	2.179	O	|	|	|	|	1.47
87.917	0.00	0.58	2.175	O	|	|	|	|	1.47
88.000	0.00	0.58	2.171	O	|	|	|	|	1.47
88.083	0.00	0.58	2.167	O	|	|	|	|	1.46
88.167	0.00	0.58	2.163	O	|	|	|	|	1.46
88.250	0.00	0.58	2.159	O	|	|	|	|	1.46
88.333	0.00	0.58	2.155	O	|	|	|	|	1.46
88.417	0.00	0.58	2.151	O	|	|	|	|	1.45
88.500	0.00	0.58	2.147	O	|	|	|	|	1.45
88.583	0.00	0.58	2.144	O	|	|	|	|	1.45
88.667	0.00	0.58	2.140	O	|	|	|	|	1.44
88.750	0.00	0.58	2.136	O	|	|	|	|	1.44
88.833	0.00	0.58	2.132	O	|	|	|	|	1.44
88.917	0.00	0.57	2.128	O	|	|	|	|	1.44
89.000	0.00	0.57	2.124	O	|	|	|	|	1.43
89.083	0.00	0.57	2.120	O	|	|	|	|	1.43
89.167	0.00	0.57	2.116	O	|	|	|	|	1.43
89.250	0.00	0.57	2.112	O	|	|	|	|	1.43
89.333	0.00	0.57	2.108	O	|	|	|	|	1.42
89.417	0.00	0.57	2.104	O	|	|	|	|	1.42

89.500	0.00	0.57	2.100	O					1.42
89.583	0.00	0.57	2.096	O					1.42
89.667	0.00	0.57	2.092	O					1.41
89.750	0.00	0.57	2.088	O					1.41
89.833	0.00	0.57	2.084	O					1.41
89.917	0.00	0.57	2.080	O					1.41
90.000	0.00	0.57	2.077	O					1.40
90.083	0.00	0.57	2.073	O					1.40
90.167	0.00	0.57	2.069	O					1.40
90.250	0.00	0.57	2.065	O					1.40
90.333	0.00	0.56	2.061	O					1.39
90.417	0.00	0.56	2.057	O					1.39
90.500	0.00	0.56	2.053	O					1.39
90.583	0.00	0.56	2.049	O					1.39
90.667	0.00	0.56	2.045	O					1.38
90.750	0.00	0.56	2.042	O					1.38
90.833	0.00	0.56	2.038	O					1.38
90.917	0.00	0.56	2.034	O					1.38
91.000	0.00	0.56	2.030	O					1.37
91.083	0.00	0.56	2.026	O					1.37
91.167	0.00	0.56	2.022	O					1.37
91.250	0.00	0.56	2.018	O					1.37
91.333	0.00	0.56	2.015	O					1.36
91.417	0.00	0.56	2.011	O					1.36
91.500	0.00	0.56	2.007	O					1.36
91.583	0.00	0.56	2.003	O					1.36
91.667	0.00	0.56	1.999	O					1.35
91.750	0.00	0.55	1.995	O					1.35
91.833	0.00	0.55	1.992	O					1.35
91.917	0.00	0.55	1.988	O					1.35
92.000	0.00	0.55	1.984	O					1.34
92.083	0.00	0.55	1.980	O					1.34
92.167	0.00	0.55	1.976	O					1.34
92.250	0.00	0.55	1.973	O					1.34
92.333	0.00	0.55	1.969	O					1.33
92.417	0.00	0.55	1.965	O					1.33
92.500	0.00	0.55	1.961	O					1.33
92.583	0.00	0.55	1.957	O					1.33
92.667	0.00	0.55	1.954	O					1.32
92.750	0.00	0.55	1.950	O					1.32
92.833	0.00	0.55	1.946	O					1.32
92.917	0.00	0.55	1.942	O					1.32
93.000	0.00	0.55	1.939	O					1.32
93.083	0.00	0.55	1.935	O					1.31
93.167	0.00	0.54	1.931	O					1.31
93.250	0.00	0.54	1.927	O					1.31
93.333	0.00	0.54	1.924	O					1.31
93.417	0.00	0.54	1.920	O					1.30
93.500	0.00	0.54	1.916	O					1.30
93.583	0.00	0.54	1.912	O					1.30
93.667	0.00	0.54	1.909	O					1.30
93.750	0.00	0.54	1.905	O					1.29
93.833	0.00	0.54	1.901	O					1.29
93.917	0.00	0.54	1.898	O					1.29
94.000	0.00	0.54	1.894	O					1.29
94.083	0.00	0.54	1.890	O					1.28
94.167	0.00	0.54	1.886	O					1.28
94.250	0.00	0.54	1.883	O					1.28
94.333	0.00	0.54	1.879	O					1.28
94.417	0.00	0.54	1.875	O					1.27
94.500	0.00	0.54	1.872	O					1.27
94.583	0.00	0.53	1.868	O					1.27
94.667	0.00	0.53	1.864	O					1.27
94.750	0.00	0.53	1.861	O					1.26
94.833	0.00	0.53	1.857	O					1.26
94.917	0.00	0.53	1.853	O					1.26
95.000	0.00	0.53	1.850	O					1.26

95.083	0.00	0.53	1.846	O	|	|	|	|	1.26
95.167	0.00	0.53	1.842	O	|	|	|	|	1.25
95.250	0.00	0.53	1.839	O	|	|	|	|	1.25
95.333	0.00	0.53	1.835	O	|	|	|	|	1.25
95.417	0.00	0.53	1.831	O	|	|	|	|	1.25
95.500	0.00	0.53	1.828	O	|	|	|	|	1.24
95.583	0.00	0.53	1.824	O	|	|	|	|	1.24
95.667	0.00	0.53	1.820	O	|	|	|	|	1.24
95.750	0.00	0.53	1.817	O	|	|	|	|	1.24
95.833	0.00	0.53	1.813	O	|	|	|	|	1.23
95.917	0.00	0.53	1.810	O	|	|	|	|	1.23
96.000	0.00	0.53	1.806	O	|	|	|	|	1.23
96.083	0.00	0.52	1.802	O	|	|	|	|	1.23
96.167	0.00	0.52	1.799	O	|	|	|	|	1.22
96.250	0.00	0.52	1.795	O	|	|	|	|	1.22
96.333	0.00	0.52	1.791	O	|	|	|	|	1.22
96.417	0.00	0.52	1.788	O	|	|	|	|	1.22
96.500	0.00	0.52	1.784	O	|	|	|	|	1.22
96.583	0.00	0.52	1.781	O	|	|	|	|	1.21
96.667	0.00	0.52	1.777	O	|	|	|	|	1.21
96.750	0.00	0.52	1.773	O	|	|	|	|	1.21
96.833	0.00	0.52	1.770	O	|	|	|	|	1.21
96.917	0.00	0.52	1.766	O	|	|	|	|	1.20
97.000	0.00	0.52	1.763	O	|	|	|	|	1.20
97.083	0.00	0.52	1.759	O	|	|	|	|	1.20
97.167	0.00	0.52	1.756	O	|	|	|	|	1.20
97.250	0.00	0.52	1.752	O	|	|	|	|	1.19
97.333	0.00	0.52	1.749	O	|	|	|	|	1.19
97.417	0.00	0.52	1.745	O	|	|	|	|	1.19
97.500	0.00	0.52	1.741	O	|	|	|	|	1.19
97.583	0.00	0.51	1.738	O	|	|	|	|	1.19
97.667	0.00	0.51	1.734	O	|	|	|	|	1.18
97.750	0.00	0.51	1.731	O	|	|	|	|	1.18
97.833	0.00	0.51	1.727	O	|	|	|	|	1.18
97.917	0.00	0.51	1.724	O	|	|	|	|	1.18
98.000	0.00	0.51	1.720	O	|	|	|	|	1.17
98.083	0.00	0.51	1.717	O	|	|	|	|	1.17
98.167	0.00	0.51	1.713	O	|	|	|	|	1.17
98.250	0.00	0.51	1.710	O	|	|	|	|	1.17
98.333	0.00	0.51	1.706	O	|	|	|	|	1.17
98.417	0.00	0.51	1.703	O	|	|	|	|	1.16
98.500	0.00	0.51	1.699	O	|	|	|	|	1.16
98.583	0.00	0.51	1.696	O	|	|	|	|	1.16
98.667	0.00	0.51	1.692	O	|	|	|	|	1.16
98.750	0.00	0.51	1.689	O	|	|	|	|	1.15
98.833	0.00	0.51	1.685	O	|	|	|	|	1.15
98.917	0.00	0.51	1.682	O	|	|	|	|	1.15
99.000	0.00	0.51	1.678	O	|	|	|	|	1.15
99.083	0.00	0.50	1.675	O	|	|	|	|	1.14
99.167	0.00	0.50	1.671	O	|	|	|	|	1.14
99.250	0.00	0.50	1.668	O	|	|	|	|	1.14
99.333	0.00	0.50	1.664	O	|	|	|	|	1.14
99.417	0.00	0.50	1.661	O	|	|	|	|	1.14
99.500	0.00	0.50	1.657	O	|	|	|	|	1.13
99.583	0.00	0.50	1.654	O	|	|	|	|	1.13
99.667	0.00	0.50	1.650	O	|	|	|	|	1.13
99.750	0.00	0.50	1.647	O	|	|	|	|	1.13
99.833	0.00	0.50	1.644	O	|	|	|	|	1.12
99.917	0.00	0.50	1.640	O	|	|	|	|	1.12
100.000	0.00	0.50	1.637	O	|	|	|	|	1.12
100.083	0.00	0.50	1.633	O	|	|	|	|	1.12
100.167	0.00	0.50	1.630	O	|	|	|	|	1.12
100.250	0.00	0.50	1.626	O	|	|	|	|	1.11
100.333	0.00	0.50	1.623	O	|	|	|	|	1.11
100.417	0.00	0.50	1.620	O	|	|	|	|	1.11
100.500	0.00	0.50	1.616	O	|	|	|	|	1.11
100.583	0.00	0.50	1.613	O	|	|	|	|	1.10

100.667	0.00	0.49	1.609	O	|	|	|	1.10
100.750	0.00	0.49	1.606	O	|	|	|	1.10
100.833	0.00	0.49	1.602	O	|	|	|	1.10
100.917	0.00	0.49	1.599	O	|	|	|	1.10
101.000	0.00	0.49	1.596	O	|	|	|	1.09
101.083	0.00	0.49	1.592	O	|	|	|	1.09
101.167	0.00	0.49	1.589	O	|	|	|	1.09
101.250	0.00	0.49	1.586	O	|	|	|	1.09
101.333	0.00	0.49	1.582	O	|	|	|	1.09
101.417	0.00	0.49	1.579	O	|	|	|	1.08
101.500	0.00	0.49	1.575	O	|	|	|	1.08
101.583	0.00	0.49	1.572	O	|	|	|	1.08
101.667	0.00	0.49	1.569	O	|	|	|	1.08
101.750	0.00	0.49	1.565	O	|	|	|	1.07
101.833	0.00	0.49	1.562	O	|	|	|	1.07
101.917	0.00	0.49	1.559	O	|	|	|	1.07
102.000	0.00	0.49	1.555	O	|	|	|	1.07
102.083	0.00	0.49	1.552	O	|	|	|	1.07
102.167	0.00	0.49	1.549	O	|	|	|	1.06
102.250	0.00	0.48	1.545	O	|	|	|	1.06
102.333	0.00	0.48	1.542	O	|	|	|	1.06
102.417	0.00	0.48	1.539	O	|	|	|	1.06
102.500	0.00	0.48	1.535	O	|	|	|	1.05
102.583	0.00	0.48	1.532	O	|	|	|	1.05
102.667	0.00	0.48	1.529	O	|	|	|	1.05
102.750	0.00	0.48	1.525	O	|	|	|	1.05
102.833	0.00	0.48	1.522	O	|	|	|	1.05
102.917	0.00	0.48	1.519	O	|	|	|	1.04
103.000	0.00	0.48	1.515	O	|	|	|	1.04
103.083	0.00	0.48	1.512	O	|	|	|	1.04
103.167	0.00	0.48	1.509	O	|	|	|	1.04
103.250	0.00	0.48	1.505	O	|	|	|	1.04
103.333	0.00	0.48	1.502	O	|	|	|	1.03
103.417	0.00	0.48	1.499	O	|	|	|	1.03
103.500	0.00	0.48	1.496	O	|	|	|	1.03
103.583	0.00	0.48	1.492	O	|	|	|	1.03
103.667	0.00	0.48	1.489	O	|	|	|	1.03
103.750	0.00	0.48	1.486	O	|	|	|	1.02
103.833	0.00	0.48	1.482	O	|	|	|	1.02
103.917	0.00	0.47	1.479	O	|	|	|	1.02
104.000	0.00	0.47	1.476	O	|	|	|	1.02
104.083	0.00	0.47	1.473	O	|	|	|	1.01
104.167	0.00	0.47	1.469	O	|	|	|	1.01
104.250	0.00	0.47	1.466	O	|	|	|	1.01
104.333	0.00	0.47	1.463	O	|	|	|	1.01
104.417	0.00	0.47	1.460	O	|	|	|	1.01
104.500	0.00	0.47	1.456	O	|	|	|	1.00
104.583	0.00	0.47	1.453	O	|	|	|	1.00
104.667	0.00	0.47	1.450	O	|	|	|	1.00
104.750	0.00	0.47	1.447	O	|	|	|	1.00
104.833	0.00	0.47	1.443	O	|	|	|	1.00
104.917	0.00	0.47	1.440	O	|	|	|	0.99
105.000	0.00	0.47	1.437	O	|	|	|	0.99
105.083	0.00	0.46	1.434	O	|	|	|	0.99
105.167	0.00	0.46	1.431	O	|	|	|	0.99
105.250	0.00	0.46	1.427	O	|	|	|	0.98
105.333	0.00	0.46	1.424	O	|	|	|	0.98
105.417	0.00	0.46	1.421	O	|	|	|	0.98
105.500	0.00	0.46	1.418	O	|	|	|	0.98
105.583	0.00	0.46	1.415	O	|	|	|	0.98
105.667	0.00	0.46	1.412	O	|	|	|	0.97
105.750	0.00	0.46	1.408	O	|	|	|	0.97
105.833	0.00	0.46	1.405	O	|	|	|	0.97
105.917	0.00	0.45	1.402	O	|	|	|	0.97
106.000	0.00	0.45	1.399	O	|	|	|	0.96
106.083	0.00	0.45	1.396	O	|	|	|	0.96
106.167	0.00	0.45	1.393	O	|	|	|	0.96

106.250	0.00	0.45	1.390	O	|	|	|	0.96
106.333	0.00	0.45	1.387	O	|	|	|	0.96
106.417	0.00	0.45	1.383	O	|	|	|	0.95
106.500	0.00	0.45	1.380	O	|	|	|	0.95
106.583	0.00	0.45	1.377	O	|	|	|	0.95
106.667	0.00	0.45	1.374	O	|	|	|	0.95
106.750	0.00	0.44	1.371	O	|	|	|	0.95
106.833	0.00	0.44	1.368	O	|	|	|	0.94
106.917	0.00	0.44	1.365	O	|	|	|	0.94
107.000	0.00	0.44	1.362	O	|	|	|	0.94
107.083	0.00	0.44	1.359	O	|	|	|	0.94
107.167	0.00	0.44	1.356	O	|	|	|	0.94
107.250	0.00	0.44	1.353	O	|	|	|	0.93
107.333	0.00	0.44	1.350	O	|	|	|	0.93
107.417	0.00	0.44	1.347	O	|	|	|	0.93
107.500	0.00	0.44	1.344	O	|	|	|	0.93
107.583	0.00	0.43	1.341	O	|	|	|	0.92
107.667	0.00	0.43	1.338	O	|	|	|	0.92
107.750	0.00	0.43	1.335	O	|	|	|	0.92
107.833	0.00	0.43	1.332	O	|	|	|	0.92
107.917	0.00	0.43	1.329	O	|	|	|	0.92
108.000	0.00	0.43	1.326	O	|	|	|	0.91
108.083	0.00	0.43	1.323	O	|	|	|	0.91
108.167	0.00	0.43	1.320	O	|	|	|	0.91
108.250	0.00	0.43	1.317	O	|	|	|	0.91
108.333	0.00	0.43	1.314	O	|	|	|	0.91
108.417	0.00	0.43	1.311	O	|	|	|	0.90
108.500	0.00	0.42	1.308	O	|	|	|	0.90
108.583	0.00	0.42	1.305	O	|	|	|	0.90
108.667	0.00	0.42	1.303	O	|	|	|	0.90
108.750	0.00	0.42	1.300	O	|	|	|	0.90
108.833	0.00	0.42	1.297	O	|	|	|	0.89
108.917	0.00	0.42	1.294	O	|	|	|	0.89
109.000	0.00	0.42	1.291	O	|	|	|	0.89
109.083	0.00	0.42	1.288	O	|	|	|	0.89
109.167	0.00	0.42	1.285	O	|	|	|	0.89
109.250	0.00	0.42	1.282	O	|	|	|	0.88
109.333	0.00	0.41	1.280	O	|	|	|	0.88
109.417	0.00	0.41	1.277	O	|	|	|	0.88
109.500	0.00	0.41	1.274	O	|	|	|	0.88
109.583	0.00	0.41	1.271	O	|	|	|	0.88
109.667	0.00	0.41	1.268	O	|	|	|	0.87
109.750	0.00	0.41	1.265	O	|	|	|	0.87
109.833	0.00	0.41	1.262	O	|	|	|	0.87
109.917	0.00	0.41	1.260	O	|	|	|	0.87
110.000	0.00	0.41	1.257	O	|	|	|	0.87
110.083	0.00	0.41	1.254	O	|	|	|	0.86
110.167	0.00	0.41	1.251	O	|	|	|	0.86
110.250	0.00	0.40	1.248	O	|	|	|	0.86
110.333	0.00	0.40	1.246	O	|	|	|	0.86
110.417	0.00	0.40	1.243	O	|	|	|	0.86
110.500	0.00	0.40	1.240	O	|	|	|	0.86
110.583	0.00	0.40	1.237	O	|	|	|	0.85
110.667	0.00	0.40	1.235	O	|	|	|	0.85
110.750	0.00	0.40	1.232	O	|	|	|	0.85
110.833	0.00	0.40	1.229	O	|	|	|	0.85
110.917	0.00	0.40	1.226	O	|	|	|	0.85
111.000	0.00	0.40	1.224	O	|	|	|	0.84
111.083	0.00	0.40	1.221	O	|	|	|	0.84
111.167	0.00	0.39	1.218	O	|	|	|	0.84
111.250	0.00	0.39	1.215	O	|	|	|	0.84
111.333	0.00	0.39	1.213	O	|	|	|	0.84
111.417	0.00	0.39	1.210	O	|	|	|	0.83
111.500	0.00	0.39	1.207	O	|	|	|	0.83
111.583	0.00	0.39	1.205	O	|	|	|	0.83
111.667	0.00	0.39	1.202	O	|	|	|	0.83
111.750	0.00	0.39	1.199	O	|	|	|	0.83

111.833	0.00	0.39	1.197	O					0.83
111.917	0.00	0.39	1.194	O					0.82
112.000	0.00	0.39	1.191	O					0.82
112.083	0.00	0.39	1.189	O					0.82
112.167	0.00	0.38	1.186	O					0.82
112.250	0.00	0.38	1.183	O					0.82
112.333	0.00	0.38	1.181	O					0.81
112.417	0.00	0.38	1.178	O					0.81
112.500	0.00	0.38	1.175	O					0.81
112.583	0.00	0.38	1.173	O					0.81
112.667	0.00	0.38	1.170	O					0.81
112.750	0.00	0.38	1.168	O					0.81
112.833	0.00	0.38	1.165	O					0.80
112.917	0.00	0.38	1.162	O					0.80
113.000	0.00	0.38	1.160	O					0.80
113.083	0.00	0.38	1.157	O					0.80
113.167	0.00	0.37	1.155	O					0.80
113.250	0.00	0.37	1.152	O					0.79
113.333	0.00	0.37	1.149	O					0.79
113.417	0.00	0.37	1.147	O					0.79
113.500	0.00	0.37	1.144	O					0.79
113.583	0.00	0.37	1.142	O					0.79
113.667	0.00	0.37	1.139	O					0.79
113.750	0.00	0.37	1.137	O					0.78
113.833	0.00	0.37	1.134	O					0.78
113.917	0.00	0.37	1.132	O					0.78
114.000	0.00	0.37	1.129	O					0.78
114.083	0.00	0.37	1.127	O					0.78
114.167	0.00	0.36	1.124	O					0.78
114.250	0.00	0.36	1.122	O					0.77
114.333	0.00	0.36	1.119	O					0.77
114.417	0.00	0.36	1.117	O					0.77
114.500	0.00	0.36	1.114	O					0.77
114.583	0.00	0.36	1.112	O					0.77
114.667	0.00	0.36	1.109	O					0.76
114.750	0.00	0.36	1.107	O					0.76
114.833	0.00	0.36	1.104	O					0.76
114.917	0.00	0.36	1.102	O					0.76
115.000	0.00	0.36	1.099	O					0.76
115.083	0.00	0.36	1.097	O					0.76
115.167	0.00	0.35	1.094	O					0.75
115.250	0.00	0.35	1.092	O					0.75
115.333	0.00	0.35	1.090	O					0.75
115.417	0.00	0.35	1.087	O					0.75
115.500	0.00	0.35	1.085	O					0.75
115.583	0.00	0.35	1.082	O					0.75
115.667	0.00	0.35	1.080	O					0.74
115.750	0.00	0.35	1.077	O					0.74
115.833	0.00	0.35	1.075	O					0.74
115.917	0.00	0.35	1.073	O					0.74
116.000	0.00	0.35	1.070	O					0.74
116.083	0.00	0.35	1.068	O					0.74
116.167	0.00	0.35	1.065	O					0.73
116.250	0.00	0.34	1.063	O					0.73
116.333	0.00	0.34	1.061	O					0.73
116.417	0.00	0.34	1.058	O					0.73
116.500	0.00	0.34	1.056	O					0.73
116.583	0.00	0.34	1.054	O					0.73
116.667	0.00	0.34	1.051	O					0.73
116.750	0.00	0.34	1.049	O					0.72
116.833	0.00	0.34	1.047	O					0.72
116.917	0.00	0.34	1.044	O					0.72
117.000	0.00	0.34	1.042	O					0.72
117.083	0.00	0.34	1.040	O					0.72
117.167	0.00	0.34	1.037	O					0.72
117.250	0.00	0.34	1.035	O					0.71
117.333	0.00	0.33	1.033	O					0.71

117.417	0.00	0.33	1.030	O					0.71
117.500	0.00	0.33	1.028	O					0.71
117.583	0.00	0.33	1.026	O					0.71
117.667	0.00	0.33	1.024	O					0.71
117.750	0.00	0.33	1.021	O					0.70
117.833	0.00	0.33	1.019	O					0.70
117.917	0.00	0.33	1.017	O					0.70
118.000	0.00	0.33	1.014	O					0.70
118.083	0.00	0.33	1.012	O					0.70
118.167	0.00	0.33	1.010	O					0.70
118.250	0.00	0.33	1.008	O					0.69
118.333	0.00	0.33	1.005	O					0.69
118.417	0.00	0.33	1.003	O					0.69
118.500	0.00	0.32	1.001	O					0.69
118.583	0.00	0.32	0.999	O					0.69
118.667	0.00	0.32	0.996	O					0.69
118.750	0.00	0.32	0.994	O					0.69
118.833	0.00	0.32	0.992	O					0.68
118.917	0.00	0.32	0.990	O					0.68
119.000	0.00	0.32	0.988	O					0.68
119.083	0.00	0.32	0.985	O					0.68
119.167	0.00	0.32	0.983	O					0.68
119.250	0.00	0.32	0.981	O					0.68
119.333	0.00	0.32	0.979	O					0.68
119.417	0.00	0.32	0.977	O					0.67
119.500	0.00	0.32	0.974	O					0.67
119.583	0.00	0.32	0.972	O					0.67
119.667	0.00	0.31	0.970	O					0.67
119.750	0.00	0.31	0.968	O					0.67
119.833	0.00	0.31	0.966	O					0.67
119.917	0.00	0.31	0.964	O					0.66
120.000	0.00	0.31	0.961	O					0.66
120.083	0.00	0.31	0.959	O					0.66
120.167	0.00	0.31	0.957	O					0.66
120.250	0.00	0.31	0.955	O					0.66
120.333	0.00	0.31	0.953	O					0.66
120.417	0.00	0.31	0.951	O					0.66
120.500	0.00	0.31	0.949	O					0.65
120.583	0.00	0.31	0.947	O					0.65
120.667	0.00	0.31	0.944	O					0.65
120.750	0.00	0.31	0.942	O					0.65
120.833	0.00	0.30	0.940	O					0.65
120.917	0.00	0.30	0.938	O					0.65
121.000	0.00	0.30	0.936	O					0.65
121.083	0.00	0.30	0.934	O					0.64
121.167	0.00	0.30	0.932	O					0.64
121.250	0.00	0.30	0.930	O					0.64
121.333	0.00	0.30	0.928	O					0.64
121.417	0.00	0.30	0.926	O					0.64
121.500	0.00	0.30	0.924	O					0.64
121.583	0.00	0.30	0.922	O					0.64
121.667	0.00	0.30	0.920	O					0.63
121.750	0.00	0.30	0.917	O					0.63
121.833	0.00	0.30	0.915	O					0.63
121.917	0.00	0.30	0.913	O					0.63
122.000	0.00	0.30	0.911	O					0.63
122.083	0.00	0.29	0.909	O					0.63
122.167	0.00	0.29	0.907	O					0.63
122.250	0.00	0.29	0.905	O					0.62
122.333	0.00	0.29	0.903	O					0.62
122.417	0.00	0.29	0.901	O					0.62
122.500	0.00	0.29	0.899	O					0.62
122.583	0.00	0.29	0.897	O					0.62
122.667	0.00	0.29	0.895	O					0.62
122.750	0.00	0.29	0.893	O					0.62
122.833	0.00	0.29	0.891	O					0.61
122.917	0.00	0.29	0.889	O					0.61

123.000	0.00	0.29	0.887	O	|	|	|	0.61
123.083	0.00	0.29	0.885	O	|	|	|	0.61
123.167	0.00	0.29	0.883	O	|	|	|	0.61
123.250	0.00	0.29	0.881	O	|	|	|	0.61
123.333	0.00	0.29	0.879	O	|	|	|	0.61
123.417	0.00	0.28	0.877	O	|	|	|	0.61
123.500	0.00	0.28	0.875	O	|	|	|	0.60
123.583	0.00	0.28	0.873	O	|	|	|	0.60
123.667	0.00	0.28	0.872	O	|	|	|	0.60
123.750	0.00	0.28	0.870	O	|	|	|	0.60
123.833	0.00	0.28	0.868	O	|	|	|	0.60
123.917	0.00	0.28	0.866	O	|	|	|	0.60
124.000	0.00	0.28	0.864	O	|	|	|	0.60
124.083	0.00	0.28	0.862	O	|	|	|	0.59
124.167	0.00	0.28	0.860	O	|	|	|	0.59
124.250	0.00	0.28	0.858	O	|	|	|	0.59
124.333	0.00	0.28	0.856	O	|	|	|	0.59
124.417	0.00	0.28	0.854	O	|	|	|	0.59
124.500	0.00	0.28	0.852	O	|	|	|	0.59
124.583	0.00	0.28	0.850	O	|	|	|	0.59
124.667	0.00	0.28	0.849	O	|	|	|	0.59
124.750	0.00	0.27	0.847	O	|	|	|	0.58
124.833	0.00	0.27	0.845	O	|	|	|	0.58
124.917	0.00	0.27	0.843	O	|	|	|	0.58
125.000	0.00	0.27	0.841	O	|	|	|	0.58
125.083	0.00	0.27	0.839	O	|	|	|	0.58
125.167	0.00	0.27	0.837	O	|	|	|	0.58
125.250	0.00	0.27	0.835	O	|	|	|	0.58
125.333	0.00	0.27	0.833	O	|	|	|	0.57
125.417	0.00	0.27	0.832	O	|	|	|	0.57
125.500	0.00	0.27	0.830	O	|	|	|	0.57
125.583	0.00	0.27	0.828	O	|	|	|	0.57
125.667	0.00	0.27	0.826	O	|	|	|	0.57
125.750	0.00	0.27	0.824	O	|	|	|	0.57
125.833	0.00	0.27	0.822	O	|	|	|	0.57
125.917	0.00	0.27	0.821	O	|	|	|	0.57
126.000	0.00	0.27	0.819	O	|	|	|	0.56
126.083	0.00	0.26	0.817	O	|	|	|	0.56
126.167	0.00	0.26	0.815	O	|	|	|	0.56
126.250	0.00	0.26	0.813	O	|	|	|	0.56
126.333	0.00	0.26	0.811	O	|	|	|	0.56
126.417	0.00	0.26	0.810	O	|	|	|	0.56
126.500	0.00	0.26	0.808	O	|	|	|	0.56
126.583	0.00	0.26	0.806	O	|	|	|	0.56
126.667	0.00	0.26	0.804	O	|	|	|	0.55
126.750	0.00	0.26	0.802	O	|	|	|	0.55
126.833	0.00	0.26	0.801	O	|	|	|	0.55
126.917	0.00	0.26	0.799	O	|	|	|	0.55
127.000	0.00	0.26	0.797	O	|	|	|	0.55
127.083	0.00	0.26	0.795	O	|	|	|	0.55
127.167	0.00	0.26	0.794	O	|	|	|	0.55
127.250	0.00	0.26	0.792	O	|	|	|	0.55
127.333	0.00	0.26	0.790	O	|	|	|	0.54
127.417	0.00	0.26	0.788	O	|	|	|	0.54
127.500	0.00	0.25	0.786	O	|	|	|	0.54
127.583	0.00	0.25	0.785	O	|	|	|	0.54
127.667	0.00	0.25	0.783	O	|	|	|	0.54
127.750	0.00	0.25	0.781	O	|	|	|	0.54
127.833	0.00	0.25	0.779	O	|	|	|	0.54
127.917	0.00	0.25	0.778	O	|	|	|	0.54
128.000	0.00	0.25	0.776	O	|	|	|	0.54
128.083	0.00	0.25	0.774	O	|	|	|	0.53
128.167	0.00	0.25	0.773	O	|	|	|	0.53
128.250	0.00	0.25	0.771	O	|	|	|	0.53
128.333	0.00	0.25	0.769	O	|	|	|	0.53
128.417	0.00	0.25	0.767	O	|	|	|	0.53
128.500	0.00	0.25	0.766	O	|	|	|	0.53

128.583	0.00	0.25	0.764	O	|	|	|	0.53
128.667	0.00	0.25	0.762	O	|	|	|	0.53
128.750	0.00	0.25	0.761	O	|	|	|	0.52
128.833	0.00	0.25	0.759	O	|	|	|	0.52
128.917	0.00	0.25	0.757	O	|	|	|	0.52
129.000	0.00	0.24	0.756	O	|	|	|	0.52
129.083	0.00	0.24	0.754	O	|	|	|	0.52
129.167	0.00	0.24	0.752	O	|	|	|	0.52
129.250	0.00	0.24	0.750	O	|	|	|	0.52
129.333	0.00	0.24	0.749	O	|	|	|	0.52
129.417	0.00	0.24	0.747	O	|	|	|	0.52
129.500	0.00	0.24	0.745	O	|	|	|	0.51
129.583	0.00	0.24	0.744	O	|	|	|	0.51
129.667	0.00	0.24	0.742	O	|	|	|	0.51
129.750	0.00	0.24	0.740	O	|	|	|	0.51
129.833	0.00	0.24	0.739	O	|	|	|	0.51
129.917	0.00	0.24	0.737	O	|	|	|	0.51
130.000	0.00	0.24	0.736	O	|	|	|	0.51
130.083	0.00	0.24	0.734	O	|	|	|	0.51
130.167	0.00	0.24	0.732	O	|	|	|	0.51
130.250	0.00	0.24	0.731	O	|	|	|	0.50
130.333	0.00	0.24	0.729	O	|	|	|	0.50
130.417	0.00	0.24	0.727	O	|	|	|	0.50
130.500	0.00	0.24	0.726	O	|	|	|	0.50
130.583	0.00	0.23	0.724	O	|	|	|	0.50
130.667	0.00	0.23	0.723	O	|	|	|	0.50
130.750	0.00	0.23	0.721	O	|	|	|	0.50
130.833	0.00	0.23	0.719	O	|	|	|	0.50
130.917	0.00	0.23	0.718	O	|	|	|	0.49
131.000	0.00	0.23	0.716	O	|	|	|	0.49
131.083	0.00	0.23	0.714	O	|	|	|	0.49
131.167	0.00	0.23	0.713	O	|	|	|	0.49
131.250	0.00	0.23	0.711	O	|	|	|	0.49
131.333	0.00	0.23	0.710	O	|	|	|	0.49
131.417	0.00	0.23	0.708	O	|	|	|	0.49
131.500	0.00	0.23	0.707	O	|	|	|	0.49
131.583	0.00	0.23	0.705	O	|	|	|	0.49
131.667	0.00	0.23	0.703	O	|	|	|	0.49
131.750	0.00	0.23	0.702	O	|	|	|	0.48
131.833	0.00	0.23	0.700	O	|	|	|	0.48
131.917	0.00	0.23	0.699	O	|	|	|	0.48
132.000	0.00	0.23	0.697	O	|	|	|	0.48
132.083	0.00	0.23	0.696	O	|	|	|	0.48
132.167	0.00	0.22	0.694	O	|	|	|	0.48
132.250	0.00	0.22	0.693	O	|	|	|	0.48
132.333	0.00	0.22	0.691	O	|	|	|	0.48
132.417	0.00	0.22	0.689	O	|	|	|	0.48
132.500	0.00	0.22	0.688	O	|	|	|	0.47
132.583	0.00	0.22	0.686	O	|	|	|	0.47
132.667	0.00	0.22	0.685	O	|	|	|	0.47
132.750	0.00	0.22	0.683	O	|	|	|	0.47
132.833	0.00	0.22	0.682	O	|	|	|	0.47
132.917	0.00	0.22	0.680	O	|	|	|	0.47
133.000	0.00	0.22	0.679	O	|	|	|	0.47
133.083	0.00	0.22	0.677	O	|	|	|	0.47
133.167	0.00	0.22	0.676	O	|	|	|	0.47
133.250	0.00	0.22	0.674	O	|	|	|	0.46
133.333	0.00	0.22	0.673	O	|	|	|	0.46
133.417	0.00	0.22	0.671	O	|	|	|	0.46
133.500	0.00	0.22	0.670	O	|	|	|	0.46
133.583	0.00	0.22	0.668	O	|	|	|	0.46
133.667	0.00	0.22	0.667	O	|	|	|	0.46
133.750	0.00	0.22	0.665	O	|	|	|	0.46
133.833	0.00	0.22	0.664	O	|	|	|	0.46
133.917	0.00	0.21	0.662	O	|	|	|	0.46
134.000	0.00	0.21	0.661	O	|	|	|	0.46
134.083	0.00	0.21	0.659	O	|	|	|	0.45

134.167	0.00	0.21	0.658	O	|	|	|	|	0.45
134.250	0.00	0.21	0.656	O	|	|	|	|	0.45
134.333	0.00	0.21	0.655	O	|	|	|	|	0.45
134.417	0.00	0.21	0.653	O	|	|	|	|	0.45
134.500	0.00	0.21	0.652	O	|	|	|	|	0.45
134.583	0.00	0.21	0.651	O	|	|	|	|	0.45
134.667	0.00	0.21	0.649	O	|	|	|	|	0.45
134.750	0.00	0.21	0.648	O	|	|	|	|	0.45
134.833	0.00	0.21	0.646	O	|	|	|	|	0.45
134.917	0.00	0.21	0.645	O	|	|	|	|	0.44
135.000	0.00	0.21	0.643	O	|	|	|	|	0.44
135.083	0.00	0.21	0.642	O	|	|	|	|	0.44
135.167	0.00	0.21	0.640	O	|	|	|	|	0.44
135.250	0.00	0.21	0.639	O	|	|	|	|	0.44
135.333	0.00	0.21	0.638	O	|	|	|	|	0.44
135.417	0.00	0.21	0.636	O	|	|	|	|	0.44
135.500	0.00	0.21	0.635	O	|	|	|	|	0.44
135.583	0.00	0.21	0.633	O	|	|	|	|	0.44
135.667	0.00	0.20	0.632	O	|	|	|	|	0.44
135.750	0.00	0.20	0.631	O	|	|	|	|	0.43
135.833	0.00	0.20	0.629	O	|	|	|	|	0.43
135.917	0.00	0.20	0.628	O	|	|	|	|	0.43
136.000	0.00	0.20	0.626	O	|	|	|	|	0.43
136.083	0.00	0.20	0.625	O	|	|	|	|	0.43
136.167	0.00	0.20	0.624	O	|	|	|	|	0.43
136.250	0.00	0.20	0.622	O	|	|	|	|	0.43
136.333	0.00	0.20	0.621	O	|	|	|	|	0.43
136.417	0.00	0.20	0.619	O	|	|	|	|	0.43
136.500	0.00	0.20	0.618	O	|	|	|	|	0.43
136.583	0.00	0.20	0.617	O	|	|	|	|	0.43
136.667	0.00	0.20	0.615	O	|	|	|	|	0.42
136.750	0.00	0.20	0.614	O	|	|	|	|	0.42
136.833	0.00	0.20	0.612	O	|	|	|	|	0.42
136.917	0.00	0.20	0.611	O	|	|	|	|	0.42
137.000	0.00	0.20	0.610	O	|	|	|	|	0.42
137.083	0.00	0.20	0.608	O	|	|	|	|	0.42
137.167	0.00	0.20	0.607	O	|	|	|	|	0.42
137.250	0.00	0.20	0.606	O	|	|	|	|	0.42
137.333	0.00	0.20	0.604	O	|	|	|	|	0.42
137.417	0.00	0.20	0.603	O	|	|	|	|	0.42
137.500	0.00	0.20	0.602	O	|	|	|	|	0.41
137.583	0.00	0.19	0.600	O	|	|	|	|	0.41
137.667	0.00	0.19	0.599	O	|	|	|	|	0.41
137.750	0.00	0.19	0.598	O	|	|	|	|	0.41
137.833	0.00	0.19	0.596	O	|	|	|	|	0.41
137.917	0.00	0.19	0.595	O	|	|	|	|	0.41
138.000	0.00	0.19	0.594	O	|	|	|	|	0.41
138.083	0.00	0.19	0.592	O	|	|	|	|	0.41
138.167	0.00	0.19	0.591	O	|	|	|	|	0.41
138.250	0.00	0.19	0.590	O	|	|	|	|	0.41
138.333	0.00	0.19	0.588	O	|	|	|	|	0.41
138.417	0.00	0.19	0.587	O	|	|	|	|	0.40
138.500	0.00	0.19	0.586	O	|	|	|	|	0.40
138.583	0.00	0.19	0.584	O	|	|	|	|	0.40
138.667	0.00	0.19	0.583	O	|	|	|	|	0.40
138.750	0.00	0.19	0.582	O	|	|	|	|	0.40
138.833	0.00	0.19	0.581	O	|	|	|	|	0.40
138.917	0.00	0.19	0.579	O	|	|	|	|	0.40
139.000	0.00	0.19	0.578	O	|	|	|	|	0.40
139.083	0.00	0.19	0.577	O	|	|	|	|	0.40
139.167	0.00	0.19	0.575	O	|	|	|	|	0.40
139.250	0.00	0.19	0.574	O	|	|	|	|	0.40
139.333	0.00	0.19	0.573	O	|	|	|	|	0.40
139.417	0.00	0.19	0.572	O	|	|	|	|	0.39
139.500	0.00	0.18	0.570	O	|	|	|	|	0.39
139.583	0.00	0.18	0.569	O	|	|	|	|	0.39
139.667	0.00	0.18	0.568	O	|	|	|	|	0.39

139.750	0.00	0.18	0.566	O	|	|	|	0.39
139.833	0.00	0.18	0.565	O	|	|	|	0.39
139.917	0.00	0.18	0.564	O	|	|	|	0.39
140.000	0.00	0.18	0.563	O	|	|	|	0.39
140.083	0.00	0.18	0.561	O	|	|	|	0.39
140.167	0.00	0.18	0.560	O	|	|	|	0.39
140.250	0.00	0.18	0.559	O	|	|	|	0.39
140.333	0.00	0.18	0.558	O	|	|	|	0.38
140.417	0.00	0.18	0.556	O	|	|	|	0.38
140.500	0.00	0.18	0.555	O	|	|	|	0.38
140.583	0.00	0.18	0.554	O	|	|	|	0.38
140.667	0.00	0.18	0.553	O	|	|	|	0.38
140.750	0.00	0.18	0.551	O	|	|	|	0.38
140.833	0.00	0.18	0.550	O	|	|	|	0.38
140.917	0.00	0.18	0.549	O	|	|	|	0.38
141.000	0.00	0.18	0.548	O	|	|	|	0.38
141.083	0.00	0.18	0.547	O	|	|	|	0.38
141.167	0.00	0.18	0.545	O	|	|	|	0.38
141.250	0.00	0.18	0.544	O	|	|	|	0.38
141.333	0.00	0.18	0.543	O	|	|	|	0.37
141.417	0.00	0.18	0.542	O	|	|	|	0.37
141.500	0.00	0.18	0.541	O	|	|	|	0.37
141.583	0.00	0.17	0.539	O	|	|	|	0.37
141.667	0.00	0.17	0.538	O	|	|	|	0.37
141.750	0.00	0.17	0.537	O	|	|	|	0.37
141.833	0.00	0.17	0.536	O	|	|	|	0.37
141.917	0.00	0.17	0.535	O	|	|	|	0.37
142.000	0.00	0.17	0.533	O	|	|	|	0.37
142.083	0.00	0.17	0.532	O	|	|	|	0.37
142.167	0.00	0.17	0.531	O	|	|	|	0.37
142.250	0.00	0.17	0.530	O	|	|	|	0.37
142.333	0.00	0.17	0.529	O	|	|	|	0.36
142.417	0.00	0.17	0.527	O	|	|	|	0.36
142.500	0.00	0.17	0.526	O	|	|	|	0.36
142.583	0.00	0.17	0.525	O	|	|	|	0.36
142.667	0.00	0.17	0.524	O	|	|	|	0.36
142.750	0.00	0.17	0.523	O	|	|	|	0.36
142.833	0.00	0.17	0.522	O	|	|	|	0.36
142.917	0.00	0.17	0.520	O	|	|	|	0.36
143.000	0.00	0.17	0.519	O	|	|	|	0.36
143.083	0.00	0.17	0.518	O	|	|	|	0.36
143.167	0.00	0.17	0.517	O	|	|	|	0.36
143.250	0.00	0.17	0.516	O	|	|	|	0.36
143.333	0.00	0.17	0.515	O	|	|	|	0.35
143.417	0.00	0.17	0.513	O	|	|	|	0.35
143.500	0.00	0.17	0.512	O	|	|	|	0.35
143.583	0.00	0.17	0.511	O	|	|	|	0.35
143.667	0.00	0.17	0.510	O	|	|	|	0.35
143.750	0.00	0.16	0.509	O	|	|	|	0.35
143.833	0.00	0.16	0.508	O	|	|	|	0.35
143.917	0.00	0.16	0.507	O	|	|	|	0.35
144.000	0.00	0.16	0.506	O	|	|	|	0.35
144.083	0.00	0.16	0.504	O	|	|	|	0.35
144.167	0.00	0.16	0.503	O	|	|	|	0.35
144.250	0.00	0.16	0.502	O	|	|	|	0.35
144.333	0.00	0.16	0.501	O	|	|	|	0.35
144.417	0.00	0.16	0.500	O	|	|	|	0.34
144.500	0.00	0.16	0.499	O	|	|	|	0.34
144.583	0.00	0.16	0.498	O	|	|	|	0.34
144.667	0.00	0.16	0.497	O	|	|	|	0.34
144.750	0.00	0.16	0.495	O	|	|	|	0.34
144.833	0.00	0.16	0.494	O	|	|	|	0.34
144.917	0.00	0.16	0.493	O	|	|	|	0.34
145.000	0.00	0.16	0.492	O	|	|	|	0.34
145.083	0.00	0.16	0.491	O	|	|	|	0.34
145.167	0.00	0.16	0.490	O	|	|	|	0.34
145.250	0.00	0.16	0.489	O	|	|	|	0.34

145.333	0.00	0.16	0.488	O	|	|	|	|	0.34
145.417	0.00	0.16	0.487	O	|	|	|	|	0.34
145.500	0.00	0.16	0.486	O	|	|	|	|	0.33
145.583	0.00	0.16	0.485	O	|	|	|	|	0.33
145.667	0.00	0.16	0.483	O	|	|	|	|	0.33
145.750	0.00	0.16	0.482	O	|	|	|	|	0.33
145.833	0.00	0.16	0.481	O	|	|	|	|	0.33
145.917	0.00	0.16	0.480	O	|	|	|	|	0.33
146.000	0.00	0.16	0.479	O	|	|	|	|	0.33
146.083	0.00	0.15	0.478	O	|	|	|	|	0.33
146.167	0.00	0.15	0.477	O	|	|	|	|	0.33
146.250	0.00	0.15	0.476	O	|	|	|	|	0.33
146.333	0.00	0.15	0.475	O	|	|	|	|	0.33
146.417	0.00	0.15	0.474	O	|	|	|	|	0.33
146.500	0.00	0.15	0.473	O	|	|	|	|	0.33
146.583	0.00	0.15	0.472	O	|	|	|	|	0.33
146.667	0.00	0.15	0.471	O	|	|	|	|	0.32
146.750	0.00	0.15	0.470	O	|	|	|	|	0.32
146.833	0.00	0.15	0.469	O	|	|	|	|	0.32
146.917	0.00	0.15	0.468	O	|	|	|	|	0.32
147.000	0.00	0.15	0.466	O	|	|	|	|	0.32
147.083	0.00	0.15	0.465	O	|	|	|	|	0.32
147.167	0.00	0.15	0.464	O	|	|	|	|	0.32
147.250	0.00	0.15	0.463	O	|	|	|	|	0.32
147.333	0.00	0.15	0.462	O	|	|	|	|	0.32
147.417	0.00	0.15	0.461	O	|	|	|	|	0.32
147.500	0.00	0.15	0.460	O	|	|	|	|	0.32
147.583	0.00	0.15	0.459	O	|	|	|	|	0.32
147.667	0.00	0.15	0.458	O	|	|	|	|	0.32
147.750	0.00	0.15	0.457	O	|	|	|	|	0.32
147.833	0.00	0.15	0.456	O	|	|	|	|	0.31
147.917	0.00	0.15	0.455	O	|	|	|	|	0.31
148.000	0.00	0.15	0.454	O	|	|	|	|	0.31
148.083	0.00	0.15	0.453	O	|	|	|	|	0.31
148.167	0.00	0.15	0.452	O	|	|	|	|	0.31
148.250	0.00	0.15	0.451	O	|	|	|	|	0.31
148.333	0.00	0.15	0.450	O	|	|	|	|	0.31
148.417	0.00	0.15	0.449	O	|	|	|	|	0.31
148.500	0.00	0.15	0.448	O	|	|	|	|	0.31
148.583	0.00	0.14	0.447	O	|	|	|	|	0.31
148.667	0.00	0.14	0.446	O	|	|	|	|	0.31
148.750	0.00	0.14	0.445	O	|	|	|	|	0.31
148.833	0.00	0.14	0.444	O	|	|	|	|	0.31
148.917	0.00	0.14	0.443	O	|	|	|	|	0.31
149.000	0.00	0.14	0.442	O	|	|	|	|	0.30
149.083	0.00	0.14	0.441	O	|	|	|	|	0.30
149.167	0.00	0.14	0.440	O	|	|	|	|	0.30
149.250	0.00	0.14	0.439	O	|	|	|	|	0.30
149.333	0.00	0.14	0.438	O	|	|	|	|	0.30
149.417	0.00	0.14	0.437	O	|	|	|	|	0.30
149.500	0.00	0.14	0.436	O	|	|	|	|	0.30
149.583	0.00	0.14	0.435	O	|	|	|	|	0.30
149.667	0.00	0.14	0.434	O	|	|	|	|	0.30
149.750	0.00	0.14	0.433	O	|	|	|	|	0.30
149.833	0.00	0.14	0.432	O	|	|	|	|	0.30
149.917	0.00	0.14	0.431	O	|	|	|	|	0.30
150.000	0.00	0.14	0.430	O	|	|	|	|	0.30
150.083	0.00	0.14	0.429	O	|	|	|	|	0.30
150.167	0.00	0.14	0.429	O	|	|	|	|	0.30
150.250	0.00	0.14	0.428	O	|	|	|	|	0.29
150.333	0.00	0.14	0.427	O	|	|	|	|	0.29
150.417	0.00	0.14	0.426	O	|	|	|	|	0.29
150.500	0.00	0.14	0.425	O	|	|	|	|	0.29
150.583	0.00	0.14	0.424	O	|	|	|	|	0.29
150.667	0.00	0.14	0.423	O	|	|	|	|	0.29
150.750	0.00	0.14	0.422	O	|	|	|	|	0.29
150.833	0.00	0.14	0.421	O	|	|	|	|	0.29

150.917	0.00	0.14	0.420	O	|	|	|	|	0.29
151.000	0.00	0.14	0.419	O	|	|	|	|	0.29
151.083	0.00	0.14	0.418	O	|	|	|	|	0.29
151.167	0.00	0.14	0.417	O	|	|	|	|	0.29
151.250	0.00	0.13	0.416	O	|	|	|	|	0.29
151.333	0.00	0.13	0.415	O	|	|	|	|	0.29
151.417	0.00	0.13	0.414	O	|	|	|	|	0.29
151.500	0.00	0.13	0.413	O	|	|	|	|	0.29
151.583	0.00	0.13	0.413	O	|	|	|	|	0.28
151.667	0.00	0.13	0.412	O	|	|	|	|	0.28
151.750	0.00	0.13	0.411	O	|	|	|	|	0.28
151.833	0.00	0.13	0.410	O	|	|	|	|	0.28
151.917	0.00	0.13	0.409	O	|	|	|	|	0.28
152.000	0.00	0.13	0.408	O	|	|	|	|	0.28
152.083	0.00	0.13	0.407	O	|	|	|	|	0.28
152.167	0.00	0.13	0.406	O	|	|	|	|	0.28
152.250	0.00	0.13	0.405	O	|	|	|	|	0.28
152.333	0.00	0.13	0.404	O	|	|	|	|	0.28
152.417	0.00	0.13	0.403	O	|	|	|	|	0.28
152.500	0.00	0.13	0.403	O	|	|	|	|	0.28
152.583	0.00	0.13	0.402	O	|	|	|	|	0.28
152.667	0.00	0.13	0.401	O	|	|	|	|	0.28
152.750	0.00	0.13	0.400	O	|	|	|	|	0.28
152.833	0.00	0.13	0.399	O	|	|	|	|	0.28
152.917	0.00	0.13	0.398	O	|	|	|	|	0.27
153.000	0.00	0.13	0.397	O	|	|	|	|	0.27
153.083	0.00	0.13	0.396	O	|	|	|	|	0.27
153.167	0.00	0.13	0.395	O	|	|	|	|	0.27
153.250	0.00	0.13	0.395	O	|	|	|	|	0.27
153.333	0.00	0.13	0.394	O	|	|	|	|	0.27
153.417	0.00	0.13	0.393	O	|	|	|	|	0.27
153.500	0.00	0.13	0.392	O	|	|	|	|	0.27
153.583	0.00	0.13	0.391	O	|	|	|	|	0.27
153.667	0.00	0.13	0.390	O	|	|	|	|	0.27
153.750	0.00	0.13	0.389	O	|	|	|	|	0.27
153.833	0.00	0.13	0.388	O	|	|	|	|	0.27
153.917	0.00	0.13	0.388	O	|	|	|	|	0.27
154.000	0.00	0.13	0.387	O	|	|	|	|	0.27
154.083	0.00	0.13	0.386	O	|	|	|	|	0.27
154.167	0.00	0.12	0.385	O	|	|	|	|	0.27
154.250	0.00	0.12	0.384	O	|	|	|	|	0.26
154.333	0.00	0.12	0.383	O	|	|	|	|	0.26
154.417	0.00	0.12	0.382	O	|	|	|	|	0.26
154.500	0.00	0.12	0.382	O	|	|	|	|	0.26
154.583	0.00	0.12	0.381	O	|	|	|	|	0.26
154.667	0.00	0.12	0.380	O	|	|	|	|	0.26
154.750	0.00	0.12	0.379	O	|	|	|	|	0.26
154.833	0.00	0.12	0.378	O	|	|	|	|	0.26
154.917	0.00	0.12	0.377	O	|	|	|	|	0.26
155.000	0.00	0.12	0.376	O	|	|	|	|	0.26
155.083	0.00	0.12	0.376	O	|	|	|	|	0.26
155.167	0.00	0.12	0.375	O	|	|	|	|	0.26
155.250	0.00	0.12	0.374	O	|	|	|	|	0.26
155.333	0.00	0.12	0.373	O	|	|	|	|	0.26
155.417	0.00	0.12	0.372	O	|	|	|	|	0.26
155.500	0.00	0.12	0.371	O	|	|	|	|	0.26
155.583	0.00	0.12	0.371	O	|	|	|	|	0.26
155.667	0.00	0.12	0.370	O	|	|	|	|	0.26
155.750	0.00	0.12	0.369	O	|	|	|	|	0.25
155.833	0.00	0.12	0.368	O	|	|	|	|	0.25
155.917	0.00	0.12	0.367	O	|	|	|	|	0.25
156.000	0.00	0.12	0.367	O	|	|	|	|	0.25
156.083	0.00	0.12	0.366	O	|	|	|	|	0.25
156.167	0.00	0.12	0.365	O	|	|	|	|	0.25
156.250	0.00	0.12	0.364	O	|	|	|	|	0.25
156.333	0.00	0.12	0.363	O	|	|	|	|	0.25
156.417	0.00	0.12	0.362	O	|	|	|	|	0.25

156.500	0.00	0.12	0.362	O	|	|	|	|	0.25
156.583	0.00	0.12	0.361	O	|	|	|	|	0.25
156.667	0.00	0.12	0.360	O	|	|	|	|	0.25
156.750	0.00	0.12	0.359	O	|	|	|	|	0.25
156.833	0.00	0.12	0.358	O	|	|	|	|	0.25
156.917	0.00	0.12	0.358	O	|	|	|	|	0.25
157.000	0.00	0.12	0.357	O	|	|	|	|	0.25
157.083	0.00	0.12	0.356	O	|	|	|	|	0.25
157.167	0.00	0.12	0.355	O	|	|	|	|	0.25
157.250	0.00	0.11	0.354	O	|	|	|	|	0.24
157.333	0.00	0.11	0.354	O	|	|	|	|	0.24
157.417	0.00	0.11	0.353	O	|	|	|	|	0.24
157.500	0.00	0.11	0.352	O	|	|	|	|	0.24
157.583	0.00	0.11	0.351	O	|	|	|	|	0.24
157.667	0.00	0.11	0.351	O	|	|	|	|	0.24
157.750	0.00	0.11	0.350	O	|	|	|	|	0.24
157.833	0.00	0.11	0.349	O	|	|	|	|	0.24
157.917	0.00	0.11	0.348	O	|	|	|	|	0.24
158.000	0.00	0.11	0.347	O	|	|	|	|	0.24
158.083	0.00	0.11	0.347	O	|	|	|	|	0.24
158.167	0.00	0.11	0.346	O	|	|	|	|	0.24
158.250	0.00	0.11	0.345	O	|	|	|	|	0.24
158.333	0.00	0.11	0.344	O	|	|	|	|	0.24
158.417	0.00	0.11	0.344	O	|	|	|	|	0.24
158.500	0.00	0.11	0.343	O	|	|	|	|	0.24
158.583	0.00	0.11	0.342	O	|	|	|	|	0.24
158.667	0.00	0.11	0.341	O	|	|	|	|	0.24
158.750	0.00	0.11	0.341	O	|	|	|	|	0.23
158.833	0.00	0.11	0.340	O	|	|	|	|	0.23
158.917	0.00	0.11	0.339	O	|	|	|	|	0.23
159.000	0.00	0.11	0.338	O	|	|	|	|	0.23
159.083	0.00	0.11	0.337	O	|	|	|	|	0.23
159.167	0.00	0.11	0.337	O	|	|	|	|	0.23
159.250	0.00	0.11	0.336	O	|	|	|	|	0.23
159.333	0.00	0.11	0.335	O	|	|	|	|	0.23
159.417	0.00	0.11	0.334	O	|	|	|	|	0.23
159.500	0.00	0.11	0.334	O	|	|	|	|	0.23
159.583	0.00	0.11	0.333	O	|	|	|	|	0.23
159.667	0.00	0.11	0.332	O	|	|	|	|	0.23
159.750	0.00	0.11	0.332	O	|	|	|	|	0.23
159.833	0.00	0.11	0.331	O	|	|	|	|	0.23
159.917	0.00	0.11	0.330	O	|	|	|	|	0.23
160.000	0.00	0.11	0.329	O	|	|	|	|	0.23
160.083	0.00	0.11	0.329	O	|	|	|	|	0.23
160.167	0.00	0.11	0.328	O	|	|	|	|	0.23
160.250	0.00	0.11	0.327	O	|	|	|	|	0.23
160.333	0.00	0.11	0.326	O	|	|	|	|	0.23
160.417	0.00	0.11	0.326	O	|	|	|	|	0.22
160.500	0.00	0.11	0.325	O	|	|	|	|	0.22
160.583	0.00	0.11	0.324	O	|	|	|	|	0.22
160.667	0.00	0.10	0.323	O	|	|	|	|	0.22
160.750	0.00	0.10	0.323	O	|	|	|	|	0.22
160.833	0.00	0.10	0.322	O	|	|	|	|	0.22
160.917	0.00	0.10	0.321	O	|	|	|	|	0.22
161.000	0.00	0.10	0.321	O	|	|	|	|	0.22
161.083	0.00	0.10	0.320	O	|	|	|	|	0.22
161.167	0.00	0.10	0.319	O	|	|	|	|	0.22
161.250	0.00	0.10	0.318	O	|	|	|	|	0.22
161.333	0.00	0.10	0.318	O	|	|	|	|	0.22
161.417	0.00	0.10	0.317	O	|	|	|	|	0.22
161.500	0.00	0.10	0.316	O	|	|	|	|	0.22
161.583	0.00	0.10	0.316	O	|	|	|	|	0.22
161.667	0.00	0.10	0.315	O	|	|	|	|	0.22
161.750	0.00	0.10	0.314	O	|	|	|	|	0.22
161.833	0.00	0.10	0.314	O	|	|	|	|	0.22
161.917	0.00	0.10	0.313	O	|	|	|	|	0.22
162.000	0.00	0.10	0.312	O	|	|	|	|	0.22

162.083	0.00	0.10	0.311	O	|	|	|	|	0.21
162.167	0.00	0.10	0.311	O	|	|	|	|	0.21
162.250	0.00	0.10	0.310	O	|	|	|	|	0.21
162.333	0.00	0.10	0.309	O	|	|	|	|	0.21
162.417	0.00	0.10	0.309	O	|	|	|	|	0.21
162.500	0.00	0.10	0.308	O	|	|	|	|	0.21
162.583	0.00	0.10	0.307	O	|	|	|	|	0.21
162.667	0.00	0.10	0.307	O	|	|	|	|	0.21
162.750	0.00	0.10	0.306	O	|	|	|	|	0.21
162.833	0.00	0.10	0.305	O	|	|	|	|	0.21
162.917	0.00	0.10	0.305	O	|	|	|	|	0.21
163.000	0.00	0.10	0.304	O	|	|	|	|	0.21
163.083	0.00	0.10	0.303	O	|	|	|	|	0.21
163.167	0.00	0.10	0.303	O	|	|	|	|	0.21
163.250	0.00	0.10	0.302	O	|	|	|	|	0.21
163.333	0.00	0.10	0.301	O	|	|	|	|	0.21
163.417	0.00	0.10	0.300	O	|	|	|	|	0.21
163.500	0.00	0.10	0.300	O	|	|	|	|	0.21
163.583	0.00	0.10	0.299	O	|	|	|	|	0.21
163.667	0.00	0.10	0.298	O	|	|	|	|	0.21
163.750	0.00	0.10	0.298	O	|	|	|	|	0.21
163.833	0.00	0.10	0.297	O	|	|	|	|	0.20
163.917	0.00	0.10	0.296	O	|	|	|	|	0.20
164.000	0.00	0.10	0.296	O	|	|	|	|	0.20
164.083	0.00	0.10	0.295	O	|	|	|	|	0.20
164.167	0.00	0.10	0.295	O	|	|	|	|	0.20
164.250	0.00	0.10	0.294	O	|	|	|	|	0.20
164.333	0.00	0.10	0.293	O	|	|	|	|	0.20
164.417	0.00	0.09	0.293	O	|	|	|	|	0.20
164.500	0.00	0.09	0.292	O	|	|	|	|	0.20
164.583	0.00	0.09	0.291	O	|	|	|	|	0.20
164.667	0.00	0.09	0.291	O	|	|	|	|	0.20
164.750	0.00	0.09	0.290	O	|	|	|	|	0.20
164.833	0.00	0.09	0.289	O	|	|	|	|	0.20
164.917	0.00	0.09	0.289	O	|	|	|	|	0.20
165.000	0.00	0.09	0.288	O	|	|	|	|	0.20
165.083	0.00	0.09	0.287	O	|	|	|	|	0.20
165.167	0.00	0.09	0.287	O	|	|	|	|	0.20
165.250	0.00	0.09	0.286	O	|	|	|	|	0.20
165.333	0.00	0.09	0.285	O	|	|	|	|	0.20
165.417	0.00	0.09	0.285	O	|	|	|	|	0.20
165.500	0.00	0.09	0.284	O	|	|	|	|	0.20
165.583	0.00	0.09	0.284	O	|	|	|	|	0.20
165.667	0.00	0.09	0.283	O	|	|	|	|	0.20
165.750	0.00	0.09	0.282	O	|	|	|	|	0.19
165.833	0.00	0.09	0.282	O	|	|	|	|	0.19
165.917	0.00	0.09	0.281	O	|	|	|	|	0.19
166.000	0.00	0.09	0.280	O	|	|	|	|	0.19
166.083	0.00	0.09	0.280	O	|	|	|	|	0.19
166.167	0.00	0.09	0.279	O	|	|	|	|	0.19
166.250	0.00	0.09	0.279	O	|	|	|	|	0.19
166.333	0.00	0.09	0.278	O	|	|	|	|	0.19
166.417	0.00	0.09	0.277	O	|	|	|	|	0.19
166.500	0.00	0.09	0.277	O	|	|	|	|	0.19
166.583	0.00	0.09	0.276	O	|	|	|	|	0.19
166.667	0.00	0.09	0.275	O	|	|	|	|	0.19
166.750	0.00	0.09	0.275	O	|	|	|	|	0.19
166.833	0.00	0.09	0.274	O	|	|	|	|	0.19
166.917	0.00	0.09	0.274	O	|	|	|	|	0.19
167.000	0.00	0.09	0.273	O	|	|	|	|	0.19
167.083	0.00	0.09	0.272	O	|	|	|	|	0.19
167.167	0.00	0.09	0.272	O	|	|	|	|	0.19
167.250	0.00	0.09	0.271	O	|	|	|	|	0.19
167.333	0.00	0.09	0.271	O	|	|	|	|	0.19
167.417	0.00	0.09	0.270	O	|	|	|	|	0.19
167.500	0.00	0.09	0.269	O	|	|	|	|	0.19
167.583	0.00	0.09	0.269	O	|	|	|	|	0.19

167.667	0.00	0.09	0.268	O	|	|	|	|	0.18
167.750	0.00	0.09	0.268	O	|	|	|	|	0.18
167.833	0.00	0.09	0.267	O	|	|	|	|	0.18
167.917	0.00	0.09	0.266	O	|	|	|	|	0.18
168.000	0.00	0.09	0.266	O	|	|	|	|	0.18
168.083	0.00	0.09	0.265	O	|	|	|	|	0.18
168.167	0.00	0.09	0.265	O	|	|	|	|	0.18
168.250	0.00	0.09	0.264	O	|	|	|	|	0.18
168.333	0.00	0.09	0.263	O	|	|	|	|	0.18
168.417	0.00	0.09	0.263	O	|	|	|	|	0.18
168.500	0.00	0.09	0.262	O	|	|	|	|	0.18
168.583	0.00	0.08	0.262	O	|	|	|	|	0.18
168.667	0.00	0.08	0.261	O	|	|	|	|	0.18
168.750	0.00	0.08	0.260	O	|	|	|	|	0.18
168.833	0.00	0.08	0.260	O	|	|	|	|	0.18
168.917	0.00	0.08	0.259	O	|	|	|	|	0.18
169.000	0.00	0.08	0.259	O	|	|	|	|	0.18
169.083	0.00	0.08	0.258	O	|	|	|	|	0.18
169.167	0.00	0.08	0.258	O	|	|	|	|	0.18
169.250	0.00	0.08	0.257	O	|	|	|	|	0.18
169.333	0.00	0.08	0.256	O	|	|	|	|	0.18
169.417	0.00	0.08	0.256	O	|	|	|	|	0.18
169.500	0.00	0.08	0.255	O	|	|	|	|	0.18
169.583	0.00	0.08	0.255	O	|	|	|	|	0.18
169.667	0.00	0.08	0.254	O	|	|	|	|	0.18
169.750	0.00	0.08	0.254	O	|	|	|	|	0.17
169.833	0.00	0.08	0.253	O	|	|	|	|	0.17
169.917	0.00	0.08	0.252	O	|	|	|	|	0.17
170.000	0.00	0.08	0.252	O	|	|	|	|	0.17
170.083	0.00	0.08	0.251	O	|	|	|	|	0.17
170.167	0.00	0.08	0.251	O	|	|	|	|	0.17
170.250	0.00	0.08	0.250	O	|	|	|	|	0.17
170.333	0.00	0.08	0.250	O	|	|	|	|	0.17
170.417	0.00	0.08	0.249	O	|	|	|	|	0.17
170.500	0.00	0.08	0.249	O	|	|	|	|	0.17
170.583	0.00	0.08	0.248	O	|	|	|	|	0.17
170.667	0.00	0.08	0.247	O	|	|	|	|	0.17
170.750	0.00	0.08	0.247	O	|	|	|	|	0.17
170.833	0.00	0.08	0.246	O	|	|	|	|	0.17
170.917	0.00	0.08	0.246	O	|	|	|	|	0.17
171.000	0.00	0.08	0.245	O	|	|	|	|	0.17
171.083	0.00	0.08	0.245	O	|	|	|	|	0.17
171.167	0.00	0.08	0.244	O	|	|	|	|	0.17
171.250	0.00	0.08	0.244	O	|	|	|	|	0.17
171.333	0.00	0.08	0.243	O	|	|	|	|	0.17
171.417	0.00	0.08	0.243	O	|	|	|	|	0.17
171.500	0.00	0.08	0.242	O	|	|	|	|	0.17
171.583	0.00	0.08	0.241	O	|	|	|	|	0.17
171.667	0.00	0.08	0.241	O	|	|	|	|	0.17
171.750	0.00	0.08	0.240	O	|	|	|	|	0.17
171.833	0.00	0.08	0.240	O	|	|	|	|	0.17
171.917	0.00	0.08	0.239	O	|	|	|	|	0.17
172.000	0.00	0.08	0.239	O	|	|	|	|	0.16
172.083	0.00	0.08	0.238	O	|	|	|	|	0.16
172.167	0.00	0.08	0.238	O	|	|	|	|	0.16
172.250	0.00	0.08	0.237	O	|	|	|	|	0.16
172.333	0.00	0.08	0.237	O	|	|	|	|	0.16
172.417	0.00	0.08	0.236	O	|	|	|	|	0.16
172.500	0.00	0.08	0.236	O	|	|	|	|	0.16
172.583	0.00	0.08	0.235	O	|	|	|	|	0.16
172.667	0.00	0.08	0.235	O	|	|	|	|	0.16
172.750	0.00	0.08	0.234	O	|	|	|	|	0.16
172.833	0.00	0.08	0.233	O	|	|	|	|	0.16
172.917	0.00	0.08	0.233	O	|	|	|	|	0.16
173.000	0.00	0.08	0.232	O	|	|	|	|	0.16
173.083	0.00	0.08	0.232	O	|	|	|	|	0.16
173.167	0.00	0.08	0.231	O	|	|	|	|	0.16

173.250	0.00	0.07	0.231	O	|	|	|	|	0.16
173.333	0.00	0.07	0.230	O	|	|	|	|	0.16
173.417	0.00	0.07	0.230	O	|	|	|	|	0.16
173.500	0.00	0.07	0.229	O	|	|	|	|	0.16
173.583	0.00	0.07	0.229	O	|	|	|	|	0.16
173.667	0.00	0.07	0.228	O	|	|	|	|	0.16
173.750	0.00	0.07	0.228	O	|	|	|	|	0.16
173.833	0.00	0.07	0.227	O	|	|	|	|	0.16
173.917	0.00	0.07	0.227	O	|	|	|	|	0.16
174.000	0.00	0.07	0.226	O	|	|	|	|	0.16
174.083	0.00	0.07	0.226	O	|	|	|	|	0.16
174.167	0.00	0.07	0.225	O	|	|	|	|	0.16
174.250	0.00	0.07	0.225	O	|	|	|	|	0.16
174.333	0.00	0.07	0.224	O	|	|	|	|	0.15
174.417	0.00	0.07	0.224	O	|	|	|	|	0.15
174.500	0.00	0.07	0.223	O	|	|	|	|	0.15
174.583	0.00	0.07	0.223	O	|	|	|	|	0.15
174.667	0.00	0.07	0.222	O	|	|	|	|	0.15
174.750	0.00	0.07	0.222	O	|	|	|	|	0.15
174.833	0.00	0.07	0.221	O	|	|	|	|	0.15
174.917	0.00	0.07	0.221	O	|	|	|	|	0.15
175.000	0.00	0.07	0.220	O	|	|	|	|	0.15
175.083	0.00	0.07	0.220	O	|	|	|	|	0.15
175.167	0.00	0.07	0.219	O	|	|	|	|	0.15
175.250	0.00	0.07	0.219	O	|	|	|	|	0.15
175.333	0.00	0.07	0.218	O	|	|	|	|	0.15
175.417	0.00	0.07	0.218	O	|	|	|	|	0.15
175.500	0.00	0.07	0.217	O	|	|	|	|	0.15
175.583	0.00	0.07	0.217	O	|	|	|	|	0.15
175.667	0.00	0.07	0.216	O	|	|	|	|	0.15
175.750	0.00	0.07	0.216	O	|	|	|	|	0.15
175.833	0.00	0.07	0.215	O	|	|	|	|	0.15
175.917	0.00	0.07	0.215	O	|	|	|	|	0.15
176.000	0.00	0.07	0.215	O	|	|	|	|	0.15
176.083	0.00	0.07	0.214	O	|	|	|	|	0.15
176.167	0.00	0.07	0.214	O	|	|	|	|	0.15
176.250	0.00	0.07	0.213	O	|	|	|	|	0.15
176.333	0.00	0.07	0.213	O	|	|	|	|	0.15
176.417	0.00	0.07	0.212	O	|	|	|	|	0.15
176.500	0.00	0.07	0.212	O	|	|	|	|	0.15
176.583	0.00	0.07	0.211	O	|	|	|	|	0.15
176.667	0.00	0.07	0.211	O	|	|	|	|	0.15
176.750	0.00	0.07	0.210	O	|	|	|	|	0.14
176.833	0.00	0.07	0.210	O	|	|	|	|	0.14
176.917	0.00	0.07	0.209	O	|	|	|	|	0.14
177.000	0.00	0.07	0.209	O	|	|	|	|	0.14
177.083	0.00	0.07	0.208	O	|	|	|	|	0.14
177.167	0.00	0.07	0.208	O	|	|	|	|	0.14
177.250	0.00	0.07	0.207	O	|	|	|	|	0.14
177.333	0.00	0.07	0.207	O	|	|	|	|	0.14
177.417	0.00	0.07	0.207	O	|	|	|	|	0.14
177.500	0.00	0.07	0.206	O	|	|	|	|	0.14
177.583	0.00	0.07	0.206	O	|	|	|	|	0.14
177.667	0.00	0.07	0.205	O	|	|	|	|	0.14
177.750	0.00	0.07	0.205	O	|	|	|	|	0.14
177.833	0.00	0.07	0.204	O	|	|	|	|	0.14
177.917	0.00	0.07	0.204	O	|	|	|	|	0.14
178.000	0.00	0.07	0.203	O	|	|	|	|	0.14
178.083	0.00	0.07	0.203	O	|	|	|	|	0.14
178.167	0.00	0.07	0.202	O	|	|	|	|	0.14
178.250	0.00	0.07	0.202	O	|	|	|	|	0.14
178.333	0.00	0.07	0.202	O	|	|	|	|	0.14
178.417	0.00	0.07	0.201	O	|	|	|	|	0.14
178.500	0.00	0.07	0.201	O	|	|	|	|	0.14
178.583	0.00	0.06	0.200	O	|	|	|	|	0.14
178.667	0.00	0.06	0.200	O	|	|	|	|	0.14
178.750	0.00	0.06	0.199	O	|	|	|	|	0.14

178.833	0.00	0.06	0.199	O	|	|	|	|	0.14
178.917	0.00	0.06	0.198	O	|	|	|	|	0.14
179.000	0.00	0.06	0.198	O	|	|	|	|	0.14
179.083	0.00	0.06	0.198	O	|	|	|	|	0.14
179.167	0.00	0.06	0.197	O	|	|	|	|	0.14
179.250	0.00	0.06	0.197	O	|	|	|	|	0.14
179.333	0.00	0.06	0.196	O	|	|	|	|	0.14
179.417	0.00	0.06	0.196	O	|	|	|	|	0.13
179.500	0.00	0.06	0.195	O	|	|	|	|	0.13
179.583	0.00	0.06	0.195	O	|	|	|	|	0.13
179.667	0.00	0.06	0.194	O	|	|	|	|	0.13
179.750	0.00	0.06	0.194	O	|	|	|	|	0.13
179.833	0.00	0.06	0.194	O	|	|	|	|	0.13
179.917	0.00	0.06	0.193	O	|	|	|	|	0.13
180.000	0.00	0.06	0.193	O	|	|	|	|	0.13
180.083	0.00	0.06	0.192	O	|	|	|	|	0.13
180.167	0.00	0.06	0.192	O	|	|	|	|	0.13
180.250	0.00	0.06	0.191	O	|	|	|	|	0.13
180.333	0.00	0.06	0.191	O	|	|	|	|	0.13
180.417	0.00	0.06	0.191	O	|	|	|	|	0.13
180.500	0.00	0.06	0.190	O	|	|	|	|	0.13
180.583	0.00	0.06	0.190	O	|	|	|	|	0.13
180.667	0.00	0.06	0.189	O	|	|	|	|	0.13
180.750	0.00	0.06	0.189	O	|	|	|	|	0.13
180.833	0.00	0.06	0.188	O	|	|	|	|	0.13
180.917	0.00	0.06	0.188	O	|	|	|	|	0.13
181.000	0.00	0.06	0.188	O	|	|	|	|	0.13
181.083	0.00	0.06	0.187	O	|	|	|	|	0.13
181.167	0.00	0.06	0.187	O	|	|	|	|	0.13
181.250	0.00	0.06	0.186	O	|	|	|	|	0.13
181.333	0.00	0.06	0.186	O	|	|	|	|	0.13
181.417	0.00	0.06	0.186	O	|	|	|	|	0.13
181.500	0.00	0.06	0.185	O	|	|	|	|	0.13
181.583	0.00	0.06	0.185	O	|	|	|	|	0.13
181.667	0.00	0.06	0.184	O	|	|	|	|	0.13
181.750	0.00	0.06	0.184	O	|	|	|	|	0.13
181.833	0.00	0.06	0.183	O	|	|	|	|	0.13
181.917	0.00	0.06	0.183	O	|	|	|	|	0.13
182.000	0.00	0.06	0.183	O	|	|	|	|	0.13
182.083	0.00	0.06	0.182	O	|	|	|	|	0.13
182.167	0.00	0.06	0.182	O	|	|	|	|	0.13
182.250	0.00	0.06	0.181	O	|	|	|	|	0.13
182.333	0.00	0.06	0.181	O	|	|	|	|	0.12
182.417	0.00	0.06	0.181	O	|	|	|	|	0.12
182.500	0.00	0.06	0.180	O	|	|	|	|	0.12
182.583	0.00	0.06	0.180	O	|	|	|	|	0.12
182.667	0.00	0.06	0.179	O	|	|	|	|	0.12
182.750	0.00	0.06	0.179	O	|	|	|	|	0.12
182.833	0.00	0.06	0.179	O	|	|	|	|	0.12
182.917	0.00	0.06	0.178	O	|	|	|	|	0.12
183.000	0.00	0.06	0.178	O	|	|	|	|	0.12
183.083	0.00	0.06	0.177	O	|	|	|	|	0.12
183.167	0.00	0.06	0.177	O	|	|	|	|	0.12
183.250	0.00	0.06	0.177	O	|	|	|	|	0.12
183.333	0.00	0.06	0.176	O	|	|	|	|	0.12
183.417	0.00	0.06	0.176	O	|	|	|	|	0.12
183.500	0.00	0.06	0.175	O	|	|	|	|	0.12
183.583	0.00	0.06	0.175	O	|	|	|	|	0.12
183.667	0.00	0.06	0.175	O	|	|	|	|	0.12
183.750	0.00	0.06	0.174	O	|	|	|	|	0.12
183.833	0.00	0.06	0.174	O	|	|	|	|	0.12
183.917	0.00	0.06	0.174	O	|	|	|	|	0.12
184.000	0.00	0.06	0.173	O	|	|	|	|	0.12
184.083	0.00	0.06	0.173	O	|	|	|	|	0.12
184.167	0.00	0.06	0.172	O	|	|	|	|	0.12
184.250	0.00	0.06	0.172	O	|	|	|	|	0.12
184.333	0.00	0.06	0.172	O	|	|	|	|	0.12

184.417	0.00	0.06	0.171	O	|	|	|	|	0.12
184.500	0.00	0.06	0.171	O	|	|	|	|	0.12
184.583	0.00	0.06	0.170	O	|	|	|	|	0.12
184.667	0.00	0.06	0.170	O	|	|	|	|	0.12
184.750	0.00	0.06	0.170	O	|	|	|	|	0.12
184.833	0.00	0.05	0.169	O	|	|	|	|	0.12
184.917	0.00	0.05	0.169	O	|	|	|	|	0.12
185.000	0.00	0.05	0.169	O	|	|	|	|	0.12
185.083	0.00	0.05	0.168	O	|	|	|	|	0.12
185.167	0.00	0.05	0.168	O	|	|	|	|	0.12
185.250	0.00	0.05	0.167	O	|	|	|	|	0.12
185.333	0.00	0.05	0.167	O	|	|	|	|	0.12
185.417	0.00	0.05	0.167	O	|	|	|	|	0.11
185.500	0.00	0.05	0.166	O	|	|	|	|	0.11
185.583	0.00	0.05	0.166	O	|	|	|	|	0.11
185.667	0.00	0.05	0.166	O	|	|	|	|	0.11
185.750	0.00	0.05	0.165	O	|	|	|	|	0.11
185.833	0.00	0.05	0.165	O	|	|	|	|	0.11
185.917	0.00	0.05	0.164	O	|	|	|	|	0.11
186.000	0.00	0.05	0.164	O	|	|	|	|	0.11
186.083	0.00	0.05	0.164	O	|	|	|	|	0.11
186.167	0.00	0.05	0.163	O	|	|	|	|	0.11
186.250	0.00	0.05	0.163	O	|	|	|	|	0.11
186.333	0.00	0.05	0.163	O	|	|	|	|	0.11
186.417	0.00	0.05	0.162	O	|	|	|	|	0.11
186.500	0.00	0.05	0.162	O	|	|	|	|	0.11
186.583	0.00	0.05	0.162	O	|	|	|	|	0.11
186.667	0.00	0.05	0.161	O	|	|	|	|	0.11
186.750	0.00	0.05	0.161	O	|	|	|	|	0.11
186.833	0.00	0.05	0.160	O	|	|	|	|	0.11
186.917	0.00	0.05	0.160	O	|	|	|	|	0.11
187.000	0.00	0.05	0.160	O	|	|	|	|	0.11
187.083	0.00	0.05	0.159	O	|	|	|	|	0.11
187.167	0.00	0.05	0.159	O	|	|	|	|	0.11
187.250	0.00	0.05	0.159	O	|	|	|	|	0.11
187.333	0.00	0.05	0.158	O	|	|	|	|	0.11
187.417	0.00	0.05	0.158	O	|	|	|	|	0.11
187.500	0.00	0.05	0.158	O	|	|	|	|	0.11
187.583	0.00	0.05	0.157	O	|	|	|	|	0.11
187.667	0.00	0.05	0.157	O	|	|	|	|	0.11
187.750	0.00	0.05	0.157	O	|	|	|	|	0.11
187.833	0.00	0.05	0.156	O	|	|	|	|	0.11
187.917	0.00	0.05	0.156	O	|	|	|	|	0.11
188.000	0.00	0.05	0.156	O	|	|	|	|	0.11
188.083	0.00	0.05	0.155	O	|	|	|	|	0.11
188.167	0.00	0.05	0.155	O	|	|	|	|	0.11
188.250	0.00	0.05	0.154	O	|	|	|	|	0.11
188.333	0.00	0.05	0.154	O	|	|	|	|	0.11
188.417	0.00	0.05	0.154	O	|	|	|	|	0.11
188.500	0.00	0.05	0.153	O	|	|	|	|	0.11
188.583	0.00	0.05	0.153	O	|	|	|	|	0.11
188.667	0.00	0.05	0.153	O	|	|	|	|	0.11
188.750	0.00	0.05	0.152	O	|	|	|	|	0.11
188.833	0.00	0.05	0.152	O	|	|	|	|	0.10
188.917	0.00	0.05	0.152	O	|	|	|	|	0.10
189.000	0.00	0.05	0.151	O	|	|	|	|	0.10
189.083	0.00	0.05	0.151	O	|	|	|	|	0.10
189.167	0.00	0.05	0.151	O	|	|	|	|	0.10
189.250	0.00	0.05	0.150	O	|	|	|	|	0.10
189.333	0.00	0.05	0.150	O	|	|	|	|	0.10
189.417	0.00	0.05	0.150	O	|	|	|	|	0.10
189.500	0.00	0.05	0.149	O	|	|	|	|	0.10
189.583	0.00	0.05	0.149	O	|	|	|	|	0.10
189.667	0.00	0.05	0.149	O	|	|	|	|	0.10
189.750	0.00	0.05	0.148	O	|	|	|	|	0.10
189.833	0.00	0.05	0.148	O	|	|	|	|	0.10
189.917	0.00	0.05	0.148	O	|	|	|	|	0.10

190.000	0.00	0.05	0.147	O	|	|	|	|	0.10
190.083	0.00	0.05	0.147	O	|	|	|	|	0.10
190.167	0.00	0.05	0.147	O	|	|	|	|	0.10
190.250	0.00	0.05	0.146	O	|	|	|	|	0.10
190.333	0.00	0.05	0.146	O	|	|	|	|	0.10
190.417	0.00	0.05	0.146	O	|	|	|	|	0.10
190.500	0.00	0.05	0.145	O	|	|	|	|	0.10
190.583	0.00	0.05	0.145	O	|	|	|	|	0.10
190.667	0.00	0.05	0.145	O	|	|	|	|	0.10
190.750	0.00	0.05	0.144	O	|	|	|	|	0.10
190.833	0.00	0.05	0.144	O	|	|	|	|	0.10
190.917	0.00	0.05	0.144	O	|	|	|	|	0.10
191.000	0.00	0.05	0.144	O	|	|	|	|	0.10
191.083	0.00	0.05	0.143	O	|	|	|	|	0.10
191.167	0.00	0.05	0.143	O	|	|	|	|	0.10
191.250	0.00	0.05	0.143	O	|	|	|	|	0.10
191.333	0.00	0.05	0.142	O	|	|	|	|	0.10
191.417	0.00	0.05	0.142	O	|	|	|	|	0.10
191.500	0.00	0.05	0.142	O	|	|	|	|	0.10
191.583	0.00	0.05	0.141	O	|	|	|	|	0.10
191.667	0.00	0.05	0.141	O	|	|	|	|	0.10
191.750	0.00	0.05	0.141	O	|	|	|	|	0.10
191.833	0.00	0.05	0.140	O	|	|	|	|	0.10
191.917	0.00	0.05	0.140	O	|	|	|	|	0.10
192.000	0.00	0.05	0.140	O	|	|	|	|	0.10
192.083	0.00	0.05	0.139	O	|	|	|	|	0.10
192.167	0.00	0.05	0.139	O	|	|	|	|	0.10
192.250	0.00	0.04	0.139	O	|	|	|	|	0.10
192.333	0.00	0.04	0.138	O	|	|	|	|	0.10
192.417	0.00	0.04	0.138	O	|	|	|	|	0.10
192.500	0.00	0.04	0.138	O	|	|	|	|	0.10
192.583	0.00	0.04	0.138	O	|	|	|	|	0.09
192.667	0.00	0.04	0.137	O	|	|	|	|	0.09
192.750	0.00	0.04	0.137	O	|	|	|	|	0.09
192.833	0.00	0.04	0.137	O	|	|	|	|	0.09
192.917	0.00	0.04	0.136	O	|	|	|	|	0.09
193.000	0.00	0.04	0.136	O	|	|	|	|	0.09
193.083	0.00	0.04	0.136	O	|	|	|	|	0.09
193.167	0.00	0.04	0.135	O	|	|	|	|	0.09
193.250	0.00	0.04	0.135	O	|	|	|	|	0.09
193.333	0.00	0.04	0.135	O	|	|	|	|	0.09
193.417	0.00	0.04	0.135	O	|	|	|	|	0.09
193.500	0.00	0.04	0.134	O	|	|	|	|	0.09
193.583	0.00	0.04	0.134	O	|	|	|	|	0.09
193.667	0.00	0.04	0.134	O	|	|	|	|	0.09
193.750	0.00	0.04	0.133	O	|	|	|	|	0.09
193.833	0.00	0.04	0.133	O	|	|	|	|	0.09
193.917	0.00	0.04	0.133	O	|	|	|	|	0.09
194.000	0.00	0.04	0.132	O	|	|	|	|	0.09
194.083	0.00	0.04	0.132	O	|	|	|	|	0.09
194.167	0.00	0.04	0.132	O	|	|	|	|	0.09
194.250	0.00	0.04	0.132	O	|	|	|	|	0.09
194.333	0.00	0.04	0.131	O	|	|	|	|	0.09
194.417	0.00	0.04	0.131	O	|	|	|	|	0.09
194.500	0.00	0.04	0.131	O	|	|	|	|	0.09
194.583	0.00	0.04	0.130	O	|	|	|	|	0.09
194.667	0.00	0.04	0.130	O	|	|	|	|	0.09
194.750	0.00	0.04	0.130	O	|	|	|	|	0.09
194.833	0.00	0.04	0.130	O	|	|	|	|	0.09
194.917	0.00	0.04	0.129	O	|	|	|	|	0.09
195.000	0.00	0.04	0.129	O	|	|	|	|	0.09
195.083	0.00	0.04	0.129	O	|	|	|	|	0.09
195.167	0.00	0.04	0.128	O	|	|	|	|	0.09
195.250	0.00	0.04	0.128	O	|	|	|	|	0.09
195.333	0.00	0.04	0.128	O	|	|	|	|	0.09
195.417	0.00	0.04	0.128	O	|	|	|	|	0.09
195.500	0.00	0.04	0.127	O	|	|	|	|	0.09

195.583	0.00	0.04	0.127	O	|	|	|	|	0.09
195.667	0.00	0.04	0.127	O	|	|	|	|	0.09
195.750	0.00	0.04	0.126	O	|	|	|	|	0.09
195.833	0.00	0.04	0.126	O	|	|	|	|	0.09
195.917	0.00	0.04	0.126	O	|	|	|	|	0.09
196.000	0.00	0.04	0.126	O	|	|	|	|	0.09
196.083	0.00	0.04	0.125	O	|	|	|	|	0.09
196.167	0.00	0.04	0.125	O	|	|	|	|	0.09
196.250	0.00	0.04	0.125	O	|	|	|	|	0.09
196.333	0.00	0.04	0.124	O	|	|	|	|	0.09
196.417	0.00	0.04	0.124	O	|	|	|	|	0.09
196.500	0.00	0.04	0.124	O	|	|	|	|	0.09
196.583	0.00	0.04	0.124	O	|	|	|	|	0.09
196.667	0.00	0.04	0.123	O	|	|	|	|	0.09
196.750	0.00	0.04	0.123	O	|	|	|	|	0.08
196.833	0.00	0.04	0.123	O	|	|	|	|	0.08
196.917	0.00	0.04	0.122	O	|	|	|	|	0.08
197.000	0.00	0.04	0.122	O	|	|	|	|	0.08
197.083	0.00	0.04	0.122	O	|	|	|	|	0.08
197.167	0.00	0.04	0.122	O	|	|	|	|	0.08
197.250	0.00	0.04	0.121	O	|	|	|	|	0.08
197.333	0.00	0.04	0.121	O	|	|	|	|	0.08
197.417	0.00	0.04	0.121	O	|	|	|	|	0.08
197.500	0.00	0.04	0.121	O	|	|	|	|	0.08
197.583	0.00	0.04	0.120	O	|	|	|	|	0.08
197.667	0.00	0.04	0.120	O	|	|	|	|	0.08
197.750	0.00	0.04	0.120	O	|	|	|	|	0.08
197.833	0.00	0.04	0.120	O	|	|	|	|	0.08
197.917	0.00	0.04	0.119	O	|	|	|	|	0.08
198.000	0.00	0.04	0.119	O	|	|	|	|	0.08
198.083	0.00	0.04	0.119	O	|	|	|	|	0.08
198.167	0.00	0.04	0.118	O	|	|	|	|	0.08
198.250	0.00	0.04	0.118	O	|	|	|	|	0.08
198.333	0.00	0.04	0.118	O	|	|	|	|	0.08
198.417	0.00	0.04	0.118	O	|	|	|	|	0.08
198.500	0.00	0.04	0.117	O	|	|	|	|	0.08
198.583	0.00	0.04	0.117	O	|	|	|	|	0.08
198.667	0.00	0.04	0.117	O	|	|	|	|	0.08
198.750	0.00	0.04	0.117	O	|	|	|	|	0.08
198.833	0.00	0.04	0.116	O	|	|	|	|	0.08
198.917	0.00	0.04	0.116	O	|	|	|	|	0.08
199.000	0.00	0.04	0.116	O	|	|	|	|	0.08
199.083	0.00	0.04	0.116	O	|	|	|	|	0.08
199.167	0.00	0.04	0.115	O	|	|	|	|	0.08
199.250	0.00	0.04	0.115	O	|	|	|	|	0.08
199.333	0.00	0.04	0.115	O	|	|	|	|	0.08
199.417	0.00	0.04	0.115	O	|	|	|	|	0.08
199.500	0.00	0.04	0.114	O	|	|	|	|	0.08
199.583	0.00	0.04	0.114	O	|	|	|	|	0.08
199.667	0.00	0.04	0.114	O	|	|	|	|	0.08
199.750	0.00	0.04	0.114	O	|	|	|	|	0.08
199.833	0.00	0.04	0.113	O	|	|	|	|	0.08
199.917	0.00	0.04	0.113	O	|	|	|	|	0.08
200.000	0.00	0.04	0.113	O	|	|	|	|	0.08
200.083	0.00	0.04	0.113	O	|	|	|	|	0.08
200.167	0.00	0.04	0.112	O	|	|	|	|	0.08
200.250	0.00	0.04	0.112	O	|	|	|	|	0.08
200.333	0.00	0.04	0.112	O	|	|	|	|	0.08
200.417	0.00	0.04	0.112	O	|	|	|	|	0.08
200.500	0.00	0.04	0.111	O	|	|	|	|	0.08
200.583	0.00	0.04	0.111	O	|	|	|	|	0.08
200.667	0.00	0.04	0.111	O	|	|	|	|	0.08
200.750	0.00	0.04	0.111	O	|	|	|	|	0.08
200.833	0.00	0.04	0.110	O	|	|	|	|	0.08
200.917	0.00	0.04	0.110	O	|	|	|	|	0.08
201.000	0.00	0.04	0.110	O	|	|	|	|	0.08
201.083	0.00	0.04	0.110	O	|	|	|	|	0.08

201.167	0.00	0.04	0.109	O	|	|	|	0.08
201.250	0.00	0.04	0.109	O	|	|	|	0.08
201.333	0.00	0.04	0.109	O	|	|	|	0.08
201.417	0.00	0.04	0.109	O	|	|	|	0.07
201.500	0.00	0.04	0.108	O	|	|	|	0.07
201.583	0.00	0.04	0.108	O	|	|	|	0.07
201.667	0.00	0.03	0.108	O	|	|	|	0.07
201.750	0.00	0.03	0.108	O	|	|	|	0.07
201.833	0.00	0.03	0.107	O	|	|	|	0.07
201.917	0.00	0.03	0.107	O	|	|	|	0.07
202.000	0.00	0.03	0.107	O	|	|	|	0.07
202.083	0.00	0.03	0.107	O	|	|	|	0.07
202.167	0.00	0.03	0.106	O	|	|	|	0.07
202.250	0.00	0.03	0.106	O	|	|	|	0.07
202.333	0.00	0.03	0.106	O	|	|	|	0.07
202.417	0.00	0.03	0.106	O	|	|	|	0.07
202.500	0.00	0.03	0.105	O	|	|	|	0.07
202.583	0.00	0.03	0.105	O	|	|	|	0.07
202.667	0.00	0.03	0.105	O	|	|	|	0.07
202.750	0.00	0.03	0.105	O	|	|	|	0.07
202.833	0.00	0.03	0.105	O	|	|	|	0.07
202.917	0.00	0.03	0.104	O	|	|	|	0.07
203.000	0.00	0.03	0.104	O	|	|	|	0.07
203.083	0.00	0.03	0.104	O	|	|	|	0.07
203.167	0.00	0.03	0.104	O	|	|	|	0.07
203.250	0.00	0.03	0.103	O	|	|	|	0.07
203.333	0.00	0.03	0.103	O	|	|	|	0.07
203.417	0.00	0.03	0.103	O	|	|	|	0.07
203.500	0.00	0.03	0.103	O	|	|	|	0.07
203.583	0.00	0.03	0.102	O	|	|	|	0.07
203.667	0.00	0.03	0.102	O	|	|	|	0.07
203.750	0.00	0.03	0.102	O	|	|	|	0.07
203.833	0.00	0.03	0.102	O	|	|	|	0.07
203.917	0.00	0.03	0.102	O	|	|	|	0.07
204.000	0.00	0.03	0.101	O	|	|	|	0.07
204.083	0.00	0.03	0.101	O	|	|	|	0.07
204.167	0.00	0.03	0.101	O	|	|	|	0.07
204.250	0.00	0.03	0.101	O	|	|	|	0.07
204.333	0.00	0.03	0.100	O	|	|	|	0.07
204.417	0.00	0.03	0.100	O	|	|	|	0.07
204.500	0.00	0.03	0.100	O	|	|	|	0.07
204.583	0.00	0.03	0.100	O	|	|	|	0.07
204.667	0.00	0.03	0.100	O	|	|	|	0.07
204.750	0.00	0.03	0.099	O	|	|	|	0.07
204.833	0.00	0.03	0.099	O	|	|	|	0.07
204.917	0.00	0.03	0.099	O	|	|	|	0.07
205.000	0.00	0.03	0.099	O	|	|	|	0.07
205.083	0.00	0.03	0.098	O	|	|	|	0.07
205.167	0.00	0.03	0.098	O	|	|	|	0.07
205.250	0.00	0.03	0.098	O	|	|	|	0.07
205.333	0.00	0.03	0.098	O	|	|	|	0.07
205.417	0.00	0.03	0.098	O	|	|	|	0.07
205.500	0.00	0.03	0.097	O	|	|	|	0.07
205.583	0.00	0.03	0.097	O	|	|	|	0.07
205.667	0.00	0.03	0.097	O	|	|	|	0.07
205.750	0.00	0.03	0.097	O	|	|	|	0.07
205.833	0.00	0.03	0.096	O	|	|	|	0.07
205.917	0.00	0.03	0.096	O	|	|	|	0.07
206.000	0.00	0.03	0.096	O	|	|	|	0.07
206.083	0.00	0.03	0.096	O	|	|	|	0.07
206.167	0.00	0.03	0.096	O	|	|	|	0.07
206.250	0.00	0.03	0.095	O	|	|	|	0.07
206.333	0.00	0.03	0.095	O	|	|	|	0.07
206.417	0.00	0.03	0.095	O	|	|	|	0.07
206.500	0.00	0.03	0.095	O	|	|	|	0.07
206.583	0.00	0.03	0.095	O	|	|	|	0.07
206.667	0.00	0.03	0.094	O	|	|	|	0.07

206.750	0.00	0.03	0.094	O	|	|	|	|	0.06
206.833	0.00	0.03	0.094	O	|	|	|	|	0.06
206.917	0.00	0.03	0.094	O	|	|	|	|	0.06
207.000	0.00	0.03	0.093	O	|	|	|	|	0.06
207.083	0.00	0.03	0.093	O	|	|	|	|	0.06
207.167	0.00	0.03	0.093	O	|	|	|	|	0.06
207.250	0.00	0.03	0.093	O	|	|	|	|	0.06
207.333	0.00	0.03	0.093	O	|	|	|	|	0.06
207.417	0.00	0.03	0.092	O	|	|	|	|	0.06
207.500	0.00	0.03	0.092	O	|	|	|	|	0.06
207.583	0.00	0.03	0.092	O	|	|	|	|	0.06
207.667	0.00	0.03	0.092	O	|	|	|	|	0.06
207.750	0.00	0.03	0.092	O	|	|	|	|	0.06
207.833	0.00	0.03	0.091	O	|	|	|	|	0.06
207.917	0.00	0.03	0.091	O	|	|	|	|	0.06
208.000	0.00	0.03	0.091	O	|	|	|	|	0.06
208.083	0.00	0.03	0.091	O	|	|	|	|	0.06
208.167	0.00	0.03	0.091	O	|	|	|	|	0.06
208.250	0.00	0.03	0.090	O	|	|	|	|	0.06
208.333	0.00	0.03	0.090	O	|	|	|	|	0.06
208.417	0.00	0.03	0.090	O	|	|	|	|	0.06
208.500	0.00	0.03	0.090	O	|	|	|	|	0.06
208.583	0.00	0.03	0.090	O	|	|	|	|	0.06
208.667	0.00	0.03	0.089	O	|	|	|	|	0.06
208.750	0.00	0.03	0.089	O	|	|	|	|	0.06
208.833	0.00	0.03	0.089	O	|	|	|	|	0.06
208.917	0.00	0.03	0.089	O	|	|	|	|	0.06
209.000	0.00	0.03	0.089	O	|	|	|	|	0.06
209.083	0.00	0.03	0.088	O	|	|	|	|	0.06
209.167	0.00	0.03	0.088	O	|	|	|	|	0.06
209.250	0.00	0.03	0.088	O	|	|	|	|	0.06
209.333	0.00	0.03	0.088	O	|	|	|	|	0.06
209.417	0.00	0.03	0.088	O	|	|	|	|	0.06
209.500	0.00	0.03	0.087	O	|	|	|	|	0.06
209.583	0.00	0.03	0.087	O	|	|	|	|	0.06
209.667	0.00	0.03	0.087	O	|	|	|	|	0.06
209.750	0.00	0.03	0.087	O	|	|	|	|	0.06
209.833	0.00	0.03	0.087	O	|	|	|	|	0.06
209.917	0.00	0.03	0.086	O	|	|	|	|	0.06
210.000	0.00	0.03	0.086	O	|	|	|	|	0.06
210.083	0.00	0.03	0.086	O	|	|	|	|	0.06
210.167	0.00	0.03	0.086	O	|	|	|	|	0.06
210.250	0.00	0.03	0.086	O	|	|	|	|	0.06
210.333	0.00	0.03	0.086	O	|	|	|	|	0.06
210.417	0.00	0.03	0.085	O	|	|	|	|	0.06
210.500	0.00	0.03	0.085	O	|	|	|	|	0.06
210.583	0.00	0.03	0.085	O	|	|	|	|	0.06
210.667	0.00	0.03	0.085	O	|	|	|	|	0.06
210.750	0.00	0.03	0.085	O	|	|	|	|	0.06
210.833	0.00	0.03	0.084	O	|	|	|	|	0.06
210.917	0.00	0.03	0.084	O	|	|	|	|	0.06
211.000	0.00	0.03	0.084	O	|	|	|	|	0.06
211.083	0.00	0.03	0.084	O	|	|	|	|	0.06
211.167	0.00	0.03	0.084	O	|	|	|	|	0.06
211.250	0.00	0.03	0.083	O	|	|	|	|	0.06
211.333	0.00	0.03	0.083	O	|	|	|	|	0.06
211.417	0.00	0.03	0.083	O	|	|	|	|	0.06
211.500	0.00	0.03	0.083	O	|	|	|	|	0.06
211.583	0.00	0.03	0.083	O	|	|	|	|	0.06
211.667	0.00	0.03	0.083	O	|	|	|	|	0.06
211.750	0.00	0.03	0.082	O	|	|	|	|	0.06
211.833	0.00	0.03	0.082	O	|	|	|	|	0.06
211.917	0.00	0.03	0.082	O	|	|	|	|	0.06
212.000	0.00	0.03	0.082	O	|	|	|	|	0.06
212.083	0.00	0.03	0.082	O	|	|	|	|	0.06
212.167	0.00	0.03	0.081	O	|	|	|	|	0.06
212.250	0.00	0.03	0.081	O	|	|	|	|	0.06

212.333	0.00	0.03	0.081	O	|	|	|	|	0.06
212.417	0.00	0.03	0.081	O	|	|	|	|	0.06
212.500	0.00	0.03	0.081	O	|	|	|	|	0.06
212.583	0.00	0.03	0.081	O	|	|	|	|	0.06
212.667	0.00	0.03	0.080	O	|	|	|	|	0.06
212.750	0.00	0.03	0.080	O	|	|	|	|	0.06
212.833	0.00	0.03	0.080	O	|	|	|	|	0.06
212.917	0.00	0.03	0.080	O	|	|	|	|	0.06
213.000	0.00	0.03	0.080	O	|	|	|	|	0.05
213.083	0.00	0.03	0.079	O	|	|	|	|	0.05
213.167	0.00	0.03	0.079	O	|	|	|	|	0.05
213.250	0.00	0.03	0.079	O	|	|	|	|	0.05
213.333	0.00	0.03	0.079	O	|	|	|	|	0.05
213.417	0.00	0.03	0.079	O	|	|	|	|	0.05
213.500	0.00	0.03	0.079	O	|	|	|	|	0.05
213.583	0.00	0.03	0.078	O	|	|	|	|	0.05
213.667	0.00	0.03	0.078	O	|	|	|	|	0.05
213.750	0.00	0.03	0.078	O	|	|	|	|	0.05
213.833	0.00	0.03	0.078	O	|	|	|	|	0.05
213.917	0.00	0.03	0.078	O	|	|	|	|	0.05
214.000	0.00	0.03	0.078	O	|	|	|	|	0.05
214.083	0.00	0.03	0.077	O	|	|	|	|	0.05
214.167	0.00	0.03	0.077	O	|	|	|	|	0.05
214.250	0.00	0.02	0.077	O	|	|	|	|	0.05
214.333	0.00	0.02	0.077	O	|	|	|	|	0.05
214.417	0.00	0.02	0.077	O	|	|	|	|	0.05
214.500	0.00	0.02	0.076	O	|	|	|	|	0.05
214.583	0.00	0.02	0.076	O	|	|	|	|	0.05
214.667	0.00	0.02	0.076	O	|	|	|	|	0.05
214.750	0.00	0.02	0.076	O	|	|	|	|	0.05
214.833	0.00	0.02	0.076	O	|	|	|	|	0.05
214.917	0.00	0.02	0.076	O	|	|	|	|	0.05
215.000	0.00	0.02	0.075	O	|	|	|	|	0.05
215.083	0.00	0.02	0.075	O	|	|	|	|	0.05
215.167	0.00	0.02	0.075	O	|	|	|	|	0.05
215.250	0.00	0.02	0.075	O	|	|	|	|	0.05
215.333	0.00	0.02	0.075	O	|	|	|	|	0.05
215.417	0.00	0.02	0.075	O	|	|	|	|	0.05
215.500	0.00	0.02	0.074	O	|	|	|	|	0.05
215.583	0.00	0.02	0.074	O	|	|	|	|	0.05
215.667	0.00	0.02	0.074	O	|	|	|	|	0.05
215.750	0.00	0.02	0.074	O	|	|	|	|	0.05
215.833	0.00	0.02	0.074	O	|	|	|	|	0.05
215.917	0.00	0.02	0.074	O	|	|	|	|	0.05
216.000	0.00	0.02	0.073	O	|	|	|	|	0.05
216.083	0.00	0.02	0.073	O	|	|	|	|	0.05
216.167	0.00	0.02	0.073	O	|	|	|	|	0.05
216.250	0.00	0.02	0.073	O	|	|	|	|	0.05
216.333	0.00	0.02	0.073	O	|	|	|	|	0.05
216.417	0.00	0.02	0.073	O	|	|	|	|	0.05
216.500	0.00	0.02	0.072	O	|	|	|	|	0.05
216.583	0.00	0.02	0.072	O	|	|	|	|	0.05
216.667	0.00	0.02	0.072	O	|	|	|	|	0.05
216.750	0.00	0.02	0.072	O	|	|	|	|	0.05
216.833	0.00	0.02	0.072	O	|	|	|	|	0.05
216.917	0.00	0.02	0.072	O	|	|	|	|	0.05
217.000	0.00	0.02	0.072	O	|	|	|	|	0.05
217.083	0.00	0.02	0.071	O	|	|	|	|	0.05
217.167	0.00	0.02	0.071	O	|	|	|	|	0.05
217.250	0.00	0.02	0.071	O	|	|	|	|	0.05
217.333	0.00	0.02	0.071	O	|	|	|	|	0.05
217.417	0.00	0.02	0.071	O	|	|	|	|	0.05
217.500	0.00	0.02	0.071	O	|	|	|	|	0.05
217.583	0.00	0.02	0.070	O	|	|	|	|	0.05
217.667	0.00	0.02	0.070	O	|	|	|	|	0.05
217.750	0.00	0.02	0.070	O	|	|	|	|	0.05
217.833	0.00	0.02	0.070	O	|	|	|	|	0.05

217.917	0.00	0.02	0.070	O	|	|	|	|	0.05
218.000	0.00	0.02	0.070	O	|	|	|	|	0.05
218.083	0.00	0.02	0.069	O	|	|	|	|	0.05
218.167	0.00	0.02	0.069	O	|	|	|	|	0.05
218.250	0.00	0.02	0.069	O	|	|	|	|	0.05
218.333	0.00	0.02	0.069	O	|	|	|	|	0.05
218.417	0.00	0.02	0.069	O	|	|	|	|	0.05
218.500	0.00	0.02	0.069	O	|	|	|	|	0.05
218.583	0.00	0.02	0.069	O	|	|	|	|	0.05
218.667	0.00	0.02	0.068	O	|	|	|	|	0.05
218.750	0.00	0.02	0.068	O	|	|	|	|	0.05
218.833	0.00	0.02	0.068	O	|	|	|	|	0.05
218.917	0.00	0.02	0.068	O	|	|	|	|	0.05
219.000	0.00	0.02	0.068	O	|	|	|	|	0.05
219.083	0.00	0.02	0.068	O	|	|	|	|	0.05
219.167	0.00	0.02	0.067	O	|	|	|	|	0.05
219.250	0.00	0.02	0.067	O	|	|	|	|	0.05
219.333	0.00	0.02	0.067	O	|	|	|	|	0.05
219.417	0.00	0.02	0.067	O	|	|	|	|	0.05
219.500	0.00	0.02	0.067	O	|	|	|	|	0.05
219.583	0.00	0.02	0.067	O	|	|	|	|	0.05
219.667	0.00	0.02	0.067	O	|	|	|	|	0.05
219.750	0.00	0.02	0.066	O	|	|	|	|	0.05
219.833	0.00	0.02	0.066	O	|	|	|	|	0.05
219.917	0.00	0.02	0.066	O	|	|	|	|	0.05
220.000	0.00	0.02	0.066	O	|	|	|	|	0.05
220.083	0.00	0.02	0.066	O	|	|	|	|	0.05
220.167	0.00	0.02	0.066	O	|	|	|	|	0.05
220.250	0.00	0.02	0.066	O	|	|	|	|	0.05
220.333	0.00	0.02	0.065	O	|	|	|	|	0.05
220.417	0.00	0.02	0.065	O	|	|	|	|	0.05
220.500	0.00	0.02	0.065	O	|	|	|	|	0.04
220.583	0.00	0.02	0.065	O	|	|	|	|	0.04
220.667	0.00	0.02	0.065	O	|	|	|	|	0.04
220.750	0.00	0.02	0.065	O	|	|	|	|	0.04
220.833	0.00	0.02	0.065	O	|	|	|	|	0.04
220.917	0.00	0.02	0.064	O	|	|	|	|	0.04
221.000	0.00	0.02	0.064	O	|	|	|	|	0.04
221.083	0.00	0.02	0.064	O	|	|	|	|	0.04
221.167	0.00	0.02	0.064	O	|	|	|	|	0.04
221.250	0.00	0.02	0.064	O	|	|	|	|	0.04
221.333	0.00	0.02	0.064	O	|	|	|	|	0.04
221.417	0.00	0.02	0.064	O	|	|	|	|	0.04
221.500	0.00	0.02	0.063	O	|	|	|	|	0.04
221.583	0.00	0.02	0.063	O	|	|	|	|	0.04
221.667	0.00	0.02	0.063	O	|	|	|	|	0.04
221.750	0.00	0.02	0.063	O	|	|	|	|	0.04
221.833	0.00	0.02	0.063	O	|	|	|	|	0.04
221.917	0.00	0.02	0.063	O	|	|	|	|	0.04
222.000	0.00	0.02	0.063	O	|	|	|	|	0.04
222.083	0.00	0.02	0.062	O	|	|	|	|	0.04
222.167	0.00	0.02	0.062	O	|	|	|	|	0.04
222.250	0.00	0.02	0.062	O	|	|	|	|	0.04
222.333	0.00	0.02	0.062	O	|	|	|	|	0.04
222.417	0.00	0.02	0.062	O	|	|	|	|	0.04
222.500	0.00	0.02	0.062	O	|	|	|	|	0.04
222.583	0.00	0.02	0.062	O	|	|	|	|	0.04
222.667	0.00	0.02	0.061	O	|	|	|	|	0.04
222.750	0.00	0.02	0.061	O	|	|	|	|	0.04
222.833	0.00	0.02	0.061	O	|	|	|	|	0.04
222.917	0.00	0.02	0.061	O	|	|	|	|	0.04
223.000	0.00	0.02	0.061	O	|	|	|	|	0.04
223.083	0.00	0.02	0.061	O	|	|	|	|	0.04
223.167	0.00	0.02	0.061	O	|	|	|	|	0.04
223.250	0.00	0.02	0.060	O	|	|	|	|	0.04
223.333	0.00	0.02	0.060	O	|	|	|	|	0.04
223.417	0.00	0.02	0.060	O	|	|	|	|	0.04

223.500	0.00	0.02	0.060	O	|	|	|	|	0.04
223.583	0.00	0.02	0.060	O	|	|	|	|	0.04
223.667	0.00	0.02	0.060	O	|	|	|	|	0.04
223.750	0.00	0.02	0.060	O	|	|	|	|	0.04
223.833	0.00	0.02	0.060	O	|	|	|	|	0.04
223.917	0.00	0.02	0.059	O	|	|	|	|	0.04
224.000	0.00	0.02	0.059	O	|	|	|	|	0.04
224.083	0.00	0.02	0.059	O	|	|	|	|	0.04
224.167	0.00	0.02	0.059	O	|	|	|	|	0.04
224.250	0.00	0.02	0.059	O	|	|	|	|	0.04
224.333	0.00	0.02	0.059	O	|	|	|	|	0.04
224.417	0.00	0.02	0.059	O	|	|	|	|	0.04
224.500	0.00	0.02	0.059	O	|	|	|	|	0.04
224.583	0.00	0.02	0.058	O	|	|	|	|	0.04
224.667	0.00	0.02	0.058	O	|	|	|	|	0.04
224.750	0.00	0.02	0.058	O	|	|	|	|	0.04
224.833	0.00	0.02	0.058	O	|	|	|	|	0.04
224.917	0.00	0.02	0.058	O	|	|	|	|	0.04
225.000	0.00	0.02	0.058	O	|	|	|	|	0.04
225.083	0.00	0.02	0.058	O	|	|	|	|	0.04
225.167	0.00	0.02	0.057	O	|	|	|	|	0.04
225.250	0.00	0.02	0.057	O	|	|	|	|	0.04
225.333	0.00	0.02	0.057	O	|	|	|	|	0.04
225.417	0.00	0.02	0.057	O	|	|	|	|	0.04
225.500	0.00	0.02	0.057	O	|	|	|	|	0.04
225.583	0.00	0.02	0.057	O	|	|	|	|	0.04
225.667	0.00	0.02	0.057	O	|	|	|	|	0.04
225.750	0.00	0.02	0.057	O	|	|	|	|	0.04
225.833	0.00	0.02	0.056	O	|	|	|	|	0.04
225.917	0.00	0.02	0.056	O	|	|	|	|	0.04
226.000	0.00	0.02	0.056	O	|	|	|	|	0.04
226.083	0.00	0.02	0.056	O	|	|	|	|	0.04
226.167	0.00	0.02	0.056	O	|	|	|	|	0.04
226.250	0.00	0.02	0.056	O	|	|	|	|	0.04
226.333	0.00	0.02	0.056	O	|	|	|	|	0.04
226.417	0.00	0.02	0.056	O	|	|	|	|	0.04
226.500	0.00	0.02	0.055	O	|	|	|	|	0.04
226.583	0.00	0.02	0.055	O	|	|	|	|	0.04
226.667	0.00	0.02	0.055	O	|	|	|	|	0.04
226.750	0.00	0.02	0.055	O	|	|	|	|	0.04
226.833	0.00	0.02	0.055	O	|	|	|	|	0.04
226.917	0.00	0.02	0.055	O	|	|	|	|	0.04
227.000	0.00	0.02	0.055	O	|	|	|	|	0.04
227.083	0.00	0.02	0.055	O	|	|	|	|	0.04
227.167	0.00	0.02	0.054	O	|	|	|	|	0.04
227.250	0.00	0.02	0.054	O	|	|	|	|	0.04
227.333	0.00	0.02	0.054	O	|	|	|	|	0.04
227.417	0.00	0.02	0.054	O	|	|	|	|	0.04
227.500	0.00	0.02	0.054	O	|	|	|	|	0.04
227.583	0.00	0.02	0.054	O	|	|	|	|	0.04
227.667	0.00	0.02	0.054	O	|	|	|	|	0.04
227.750	0.00	0.02	0.054	O	|	|	|	|	0.04
227.833	0.00	0.02	0.054	O	|	|	|	|	0.04
227.917	0.00	0.02	0.053	O	|	|	|	|	0.04
228.000	0.00	0.02	0.053	O	|	|	|	|	0.04
228.083	0.00	0.02	0.053	O	|	|	|	|	0.04
228.167	0.00	0.02	0.053	O	|	|	|	|	0.04
228.250	0.00	0.02	0.053	O	|	|	|	|	0.04
228.333	0.00	0.02	0.053	O	|	|	|	|	0.04
228.417	0.00	0.02	0.053	O	|	|	|	|	0.04
228.500	0.00	0.02	0.053	O	|	|	|	|	0.04
228.583	0.00	0.02	0.052	O	|	|	|	|	0.04
228.667	0.00	0.02	0.052	O	|	|	|	|	0.04
228.750	0.00	0.02	0.052	O	|	|	|	|	0.04
228.833	0.00	0.02	0.052	O	|	|	|	|	0.04
228.917	0.00	0.02	0.052	O	|	|	|	|	0.04
229.000	0.00	0.02	0.052	O	|	|	|	|	0.04

229.083	0.00	0.02	0.052	O	|	|	|	|	0.04
229.167	0.00	0.02	0.052	O	|	|	|	|	0.04
229.250	0.00	0.02	0.052	O	|	|	|	|	0.04
229.333	0.00	0.02	0.051	O	|	|	|	|	0.04
229.417	0.00	0.02	0.051	O	|	|	|	|	0.04
229.500	0.00	0.02	0.051	O	|	|	|	|	0.04
229.583	0.00	0.02	0.051	O	|	|	|	|	0.04
229.667	0.00	0.02	0.051	O	|	|	|	|	0.04
229.750	0.00	0.02	0.051	O	|	|	|	|	0.04
229.833	0.00	0.02	0.051	O	|	|	|	|	0.03
229.917	0.00	0.02	0.051	O	|	|	|	|	0.03
230.000	0.00	0.02	0.050	O	|	|	|	|	0.03
230.083	0.00	0.02	0.050	O	|	|	|	|	0.03
230.167	0.00	0.02	0.050	O	|	|	|	|	0.03
230.250	0.00	0.02	0.050	O	|	|	|	|	0.03
230.333	0.00	0.02	0.050	O	|	|	|	|	0.03
230.417	0.00	0.02	0.050	O	|	|	|	|	0.03
230.500	0.00	0.02	0.050	O	|	|	|	|	0.03
230.583	0.00	0.02	0.050	O	|	|	|	|	0.03
230.667	0.00	0.02	0.050	O	|	|	|	|	0.03
230.750	0.00	0.02	0.049	O	|	|	|	|	0.03
230.833	0.00	0.02	0.049	O	|	|	|	|	0.03
230.917	0.00	0.02	0.049	O	|	|	|	|	0.03
231.000	0.00	0.02	0.049	O	|	|	|	|	0.03
231.083	0.00	0.02	0.049	O	|	|	|	|	0.03
231.167	0.00	0.02	0.049	O	|	|	|	|	0.03
231.250	0.00	0.02	0.049	O	|	|	|	|	0.03
231.333	0.00	0.02	0.049	O	|	|	|	|	0.03
231.417	0.00	0.02	0.049	O	|	|	|	|	0.03
231.500	0.00	0.02	0.049	O	|	|	|	|	0.03
231.583	0.00	0.02	0.048	O	|	|	|	|	0.03
231.667	0.00	0.02	0.048	O	|	|	|	|	0.03
231.750	0.00	0.02	0.048	O	|	|	|	|	0.03
231.833	0.00	0.02	0.048	O	|	|	|	|	0.03
231.917	0.00	0.02	0.048	O	|	|	|	|	0.03
232.000	0.00	0.02	0.048	O	|	|	|	|	0.03
232.083	0.00	0.02	0.048	O	|	|	|	|	0.03
232.167	0.00	0.02	0.048	O	|	|	|	|	0.03
232.250	0.00	0.02	0.048	O	|	|	|	|	0.03
232.333	0.00	0.02	0.047	O	|	|	|	|	0.03
232.417	0.00	0.02	0.047	O	|	|	|	|	0.03
232.500	0.00	0.02	0.047	O	|	|	|	|	0.03
232.583	0.00	0.02	0.047	O	|	|	|	|	0.03
232.667	0.00	0.02	0.047	O	|	|	|	|	0.03
232.750	0.00	0.02	0.047	O	|	|	|	|	0.03
232.833	0.00	0.02	0.047	O	|	|	|	|	0.03
232.917	0.00	0.02	0.047	O	|	|	|	|	0.03
233.000	0.00	0.02	0.047	O	|	|	|	|	0.03
233.083	0.00	0.02	0.046	O	|	|	|	|	0.03
233.167	0.00	0.02	0.046	O	|	|	|	|	0.03
233.250	0.00	0.02	0.046	O	|	|	|	|	0.03
233.333	0.00	0.01	0.046	O	|	|	|	|	0.03
233.417	0.00	0.01	0.046	O	|	|	|	|	0.03
233.500	0.00	0.01	0.046	O	|	|	|	|	0.03
233.583	0.00	0.01	0.046	O	|	|	|	|	0.03
233.667	0.00	0.01	0.046	O	|	|	|	|	0.03
233.750	0.00	0.01	0.046	O	|	|	|	|	0.03
233.833	0.00	0.01	0.046	O	|	|	|	|	0.03
233.917	0.00	0.01	0.045	O	|	|	|	|	0.03
234.000	0.00	0.01	0.045	O	|	|	|	|	0.03
234.083	0.00	0.01	0.045	O	|	|	|	|	0.03
234.167	0.00	0.01	0.045	O	|	|	|	|	0.03
234.250	0.00	0.01	0.045	O	|	|	|	|	0.03
234.333	0.00	0.01	0.045	O	|	|	|	|	0.03
234.417	0.00	0.01	0.045	O	|	|	|	|	0.03
234.500	0.00	0.01	0.045	O	|	|	|	|	0.03
234.583	0.00	0.01	0.045	O	|	|	|	|	0.03

234.667	0.00	0.01	0.045	O	|	|	|	|	0.03
234.750	0.00	0.01	0.044	O	|	|	|	|	0.03
234.833	0.00	0.01	0.044	O	|	|	|	|	0.03
234.917	0.00	0.01	0.044	O	|	|	|	|	0.03
235.000	0.00	0.01	0.044	O	|	|	|	|	0.03
235.083	0.00	0.01	0.044	O	|	|	|	|	0.03
235.167	0.00	0.01	0.044	O	|	|	|	|	0.03
235.250	0.00	0.01	0.044	O	|	|	|	|	0.03
235.333	0.00	0.01	0.044	O	|	|	|	|	0.03
235.417	0.00	0.01	0.044	O	|	|	|	|	0.03
235.500	0.00	0.01	0.044	O	|	|	|	|	0.03
235.583	0.00	0.01	0.043	O	|	|	|	|	0.03
235.667	0.00	0.01	0.043	O	|	|	|	|	0.03
235.750	0.00	0.01	0.043	O	|	|	|	|	0.03
235.833	0.00	0.01	0.043	O	|	|	|	|	0.03
235.917	0.00	0.01	0.043	O	|	|	|	|	0.03
236.000	0.00	0.01	0.043	O	|	|	|	|	0.03
236.083	0.00	0.01	0.043	O	|	|	|	|	0.03
236.167	0.00	0.01	0.043	O	|	|	|	|	0.03
236.250	0.00	0.01	0.043	O	|	|	|	|	0.03
236.333	0.00	0.01	0.043	O	|	|	|	|	0.03
236.417	0.00	0.01	0.043	O	|	|	|	|	0.03
236.500	0.00	0.01	0.042	O	|	|	|	|	0.03
236.583	0.00	0.01	0.042	O	|	|	|	|	0.03
236.667	0.00	0.01	0.042	O	|	|	|	|	0.03
236.750	0.00	0.01	0.042	O	|	|	|	|	0.03
236.833	0.00	0.01	0.042	O	|	|	|	|	0.03
236.917	0.00	0.01	0.042	O	|	|	|	|	0.03
237.000	0.00	0.01	0.042	O	|	|	|	|	0.03
237.083	0.00	0.01	0.042	O	|	|	|	|	0.03
237.167	0.00	0.01	0.042	O	|	|	|	|	0.03
237.250	0.00	0.01	0.042	O	|	|	|	|	0.03
237.333	0.00	0.01	0.041	O	|	|	|	|	0.03
237.417	0.00	0.01	0.041	O	|	|	|	|	0.03
237.500	0.00	0.01	0.041	O	|	|	|	|	0.03
237.583	0.00	0.01	0.041	O	|	|	|	|	0.03
237.667	0.00	0.01	0.041	O	|	|	|	|	0.03
237.750	0.00	0.01	0.041	O	|	|	|	|	0.03
237.833	0.00	0.01	0.041	O	|	|	|	|	0.03
237.917	0.00	0.01	0.041	O	|	|	|	|	0.03
238.000	0.00	0.01	0.041	O	|	|	|	|	0.03
238.083	0.00	0.01	0.041	O	|	|	|	|	0.03
238.167	0.00	0.01	0.041	O	|	|	|	|	0.03
238.250	0.00	0.01	0.040	O	|	|	|	|	0.03
238.333	0.00	0.01	0.040	O	|	|	|	|	0.03
238.417	0.00	0.01	0.040	O	|	|	|	|	0.03
238.500	0.00	0.01	0.040	O	|	|	|	|	0.03
238.583	0.00	0.01	0.040	O	|	|	|	|	0.03
238.667	0.00	0.01	0.040	O	|	|	|	|	0.03
238.750	0.00	0.01	0.040	O	|	|	|	|	0.03
238.833	0.00	0.01	0.040	O	|	|	|	|	0.03
238.917	0.00	0.01	0.040	O	|	|	|	|	0.03
239.000	0.00	0.01	0.040	O	|	|	|	|	0.03
239.083	0.00	0.01	0.040	O	|	|	|	|	0.03
239.167	0.00	0.01	0.039	O	|	|	|	|	0.03
239.250	0.00	0.01	0.039	O	|	|	|	|	0.03
239.333	0.00	0.01	0.039	O	|	|	|	|	0.03
239.417	0.00	0.01	0.039	O	|	|	|	|	0.03
239.500	0.00	0.01	0.039	O	|	|	|	|	0.03
239.583	0.00	0.01	0.039	O	|	|	|	|	0.03
239.667	0.00	0.01	0.039	O	|	|	|	|	0.03
239.750	0.00	0.01	0.039	O	|	|	|	|	0.03
239.833	0.00	0.01	0.039	O	|	|	|	|	0.03
239.917	0.00	0.01	0.039	O	|	|	|	|	0.03
240.000	0.00	0.01	0.039	O	|	|	|	|	0.03
240.083	0.00	0.01	0.039	O	|	|	|	|	0.03
240.167	0.00	0.01	0.038	O	|	|	|	|	0.03

240.250	0.00	0.01	0.038	O	|	|	|	|	0.03
240.333	0.00	0.01	0.038	O	|	|	|	|	0.03
240.417	0.00	0.01	0.038	O	|	|	|	|	0.03
240.500	0.00	0.01	0.038	O	|	|	|	|	0.03
240.583	0.00	0.01	0.038	O	|	|	|	|	0.03
240.667	0.00	0.01	0.038	O	|	|	|	|	0.03
240.750	0.00	0.01	0.038	O	|	|	|	|	0.03
240.833	0.00	0.01	0.038	O	|	|	|	|	0.03
240.917	0.00	0.01	0.038	O	|	|	|	|	0.03
241.000	0.00	0.01	0.038	O	|	|	|	|	0.03
241.083	0.00	0.01	0.038	O	|	|	|	|	0.03
241.167	0.00	0.01	0.037	O	|	|	|	|	0.03
241.250	0.00	0.01	0.037	O	|	|	|	|	0.03
241.333	0.00	0.01	0.037	O	|	|	|	|	0.03
241.417	0.00	0.01	0.037	O	|	|	|	|	0.03
241.500	0.00	0.01	0.037	O	|	|	|	|	0.03
241.583	0.00	0.01	0.037	O	|	|	|	|	0.03
241.667	0.00	0.01	0.037	O	|	|	|	|	0.03
241.750	0.00	0.01	0.037	O	|	|	|	|	0.03
241.833	0.00	0.01	0.037	O	|	|	|	|	0.03
241.917	0.00	0.01	0.037	O	|	|	|	|	0.03
242.000	0.00	0.01	0.037	O	|	|	|	|	0.03
242.083	0.00	0.01	0.037	O	|	|	|	|	0.03
242.167	0.00	0.01	0.036	O	|	|	|	|	0.03
242.250	0.00	0.01	0.036	O	|	|	|	|	0.03
242.333	0.00	0.01	0.036	O	|	|	|	|	0.03
242.417	0.00	0.01	0.036	O	|	|	|	|	0.02
242.500	0.00	0.01	0.036	O	|	|	|	|	0.02
242.583	0.00	0.01	0.036	O	|	|	|	|	0.02
242.667	0.00	0.01	0.036	O	|	|	|	|	0.02
242.750	0.00	0.01	0.036	O	|	|	|	|	0.02
242.833	0.00	0.01	0.036	O	|	|	|	|	0.02
242.917	0.00	0.01	0.036	O	|	|	|	|	0.02
243.000	0.00	0.01	0.036	O	|	|	|	|	0.02
243.083	0.00	0.01	0.036	O	|	|	|	|	0.02
243.167	0.00	0.01	0.035	O	|	|	|	|	0.02
243.250	0.00	0.01	0.035	O	|	|	|	|	0.02
243.333	0.00	0.01	0.035	O	|	|	|	|	0.02
243.417	0.00	0.01	0.035	O	|	|	|	|	0.02
243.500	0.00	0.01	0.035	O	|	|	|	|	0.02
243.583	0.00	0.01	0.035	O	|	|	|	|	0.02
243.667	0.00	0.01	0.035	O	|	|	|	|	0.02
243.750	0.00	0.01	0.035	O	|	|	|	|	0.02
243.833	0.00	0.01	0.035	O	|	|	|	|	0.02
243.917	0.00	0.01	0.035	O	|	|	|	|	0.02
244.000	0.00	0.01	0.035	O	|	|	|	|	0.02
244.083	0.00	0.01	0.035	O	|	|	|	|	0.02
244.167	0.00	0.01	0.035	O	|	|	|	|	0.02
244.250	0.00	0.01	0.034	O	|	|	|	|	0.02
244.333	0.00	0.01	0.034	O	|	|	|	|	0.02
244.417	0.00	0.01	0.034	O	|	|	|	|	0.02
244.500	0.00	0.01	0.034	O	|	|	|	|	0.02
244.583	0.00	0.01	0.034	O	|	|	|	|	0.02
244.667	0.00	0.01	0.034	O	|	|	|	|	0.02
244.750	0.00	0.01	0.034	O	|	|	|	|	0.02
244.833	0.00	0.01	0.034	O	|	|	|	|	0.02
244.917	0.00	0.01	0.034	O	|	|	|	|	0.02
245.000	0.00	0.01	0.034	O	|	|	|	|	0.02
245.083	0.00	0.01	0.034	O	|	|	|	|	0.02
245.167	0.00	0.01	0.034	O	|	|	|	|	0.02
245.250	0.00	0.01	0.034	O	|	|	|	|	0.02
245.333	0.00	0.01	0.033	O	|	|	|	|	0.02
245.417	0.00	0.01	0.033	O	|	|	|	|	0.02
245.500	0.00	0.01	0.033	O	|	|	|	|	0.02
245.583	0.00	0.01	0.033	O	|	|	|	|	0.02
245.667	0.00	0.01	0.033	O	|	|	|	|	0.02
245.750	0.00	0.01	0.033	O	|	|	|	|	0.02

245.833	0.00	0.01	0.033	O	|	|	|	|	0.02
245.917	0.00	0.01	0.033	O	|	|	|	|	0.02
246.000	0.00	0.01	0.033	O	|	|	|	|	0.02
246.083	0.00	0.01	0.033	O	|	|	|	|	0.02
246.167	0.00	0.01	0.033	O	|	|	|	|	0.02
246.250	0.00	0.01	0.033	O	|	|	|	|	0.02
246.333	0.00	0.01	0.033	O	|	|	|	|	0.02
246.417	0.00	0.01	0.033	O	|	|	|	|	0.02
246.500	0.00	0.01	0.032	O	|	|	|	|	0.02
246.583	0.00	0.01	0.032	O	|	|	|	|	0.02
246.667	0.00	0.01	0.032	O	|	|	|	|	0.02
246.750	0.00	0.01	0.032	O	|	|	|	|	0.02
246.833	0.00	0.01	0.032	O	|	|	|	|	0.02
246.917	0.00	0.01	0.032	O	|	|	|	|	0.02
247.000	0.00	0.01	0.032	O	|	|	|	|	0.02
247.083	0.00	0.01	0.032	O	|	|	|	|	0.02
247.167	0.00	0.01	0.032	O	|	|	|	|	0.02
247.250	0.00	0.01	0.032	O	|	|	|	|	0.02
247.333	0.00	0.01	0.032	O	|	|	|	|	0.02
247.417	0.00	0.01	0.032	O	|	|	|	|	0.02
247.500	0.00	0.01	0.032	O	|	|	|	|	0.02
247.583	0.00	0.01	0.032	O	|	|	|	|	0.02
247.667	0.00	0.01	0.031	O	|	|	|	|	0.02
247.750	0.00	0.01	0.031	O	|	|	|	|	0.02
247.833	0.00	0.01	0.031	O	|	|	|	|	0.02
247.917	0.00	0.01	0.031	O	|	|	|	|	0.02
248.000	0.00	0.01	0.031	O	|	|	|	|	0.02
248.083	0.00	0.01	0.031	O	|	|	|	|	0.02
248.167	0.00	0.01	0.031	O	|	|	|	|	0.02
248.250	0.00	0.01	0.031	O	|	|	|	|	0.02
248.333	0.00	0.01	0.031	O	|	|	|	|	0.02
248.417	0.00	0.01	0.031	O	|	|	|	|	0.02
248.500	0.00	0.01	0.031	O	|	|	|	|	0.02
248.583	0.00	0.01	0.031	O	|	|	|	|	0.02
248.667	0.00	0.01	0.031	O	|	|	|	|	0.02
248.750	0.00	0.01	0.031	O	|	|	|	|	0.02
248.833	0.00	0.01	0.030	O	|	|	|	|	0.02
248.917	0.00	0.01	0.030	O	|	|	|	|	0.02
249.000	0.00	0.01	0.030	O	|	|	|	|	0.02
249.083	0.00	0.01	0.030	O	|	|	|	|	0.02
249.167	0.00	0.01	0.030	O	|	|	|	|	0.02
249.250	0.00	0.01	0.030	O	|	|	|	|	0.02
249.333	0.00	0.01	0.030	O	|	|	|	|	0.02
249.417	0.00	0.01	0.030	O	|	|	|	|	0.02
249.500	0.00	0.01	0.030	O	|	|	|	|	0.02
249.583	0.00	0.01	0.030	O	|	|	|	|	0.02
249.667	0.00	0.01	0.030	O	|	|	|	|	0.02
249.750	0.00	0.01	0.030	O	|	|	|	|	0.02
249.833	0.00	0.01	0.030	O	|	|	|	|	0.02
249.917	0.00	0.01	0.030	O	|	|	|	|	0.02
250.000	0.00	0.01	0.030	O	|	|	|	|	0.02
250.083	0.00	0.01	0.029	O	|	|	|	|	0.02
250.167	0.00	0.01	0.029	O	|	|	|	|	0.02
250.250	0.00	0.01	0.029	O	|	|	|	|	0.02
250.333	0.00	0.01	0.029	O	|	|	|	|	0.02
250.417	0.00	0.01	0.029	O	|	|	|	|	0.02
250.500	0.00	0.01	0.029	O	|	|	|	|	0.02
250.583	0.00	0.01	0.029	O	|	|	|	|	0.02
250.667	0.00	0.01	0.029	O	|	|	|	|	0.02
250.750	0.00	0.01	0.029	O	|	|	|	|	0.02
250.833	0.00	0.01	0.029	O	|	|	|	|	0.02
250.917	0.00	0.01	0.029	O	|	|	|	|	0.02
251.000	0.00	0.01	0.029	O	|	|	|	|	0.02
251.083	0.00	0.01	0.029	O	|	|	|	|	0.02
251.167	0.00	0.01	0.029	O	|	|	|	|	0.02
251.250	0.00	0.01	0.029	O	|	|	|	|	0.02
251.333	0.00	0.01	0.029	O	|	|	|	|	0.02

251.417	0.00	0.01	0.028	O	|	|	|	|	0.02
251.500	0.00	0.01	0.028	O	|	|	|	|	0.02
251.583	0.00	0.01	0.028	O	|	|	|	|	0.02
251.667	0.00	0.01	0.028	O	|	|	|	|	0.02
251.750	0.00	0.01	0.028	O	|	|	|	|	0.02
251.833	0.00	0.01	0.028	O	|	|	|	|	0.02
251.917	0.00	0.01	0.028	O	|	|	|	|	0.02
252.000	0.00	0.01	0.028	O	|	|	|	|	0.02
252.083	0.00	0.01	0.028	O	|	|	|	|	0.02
252.167	0.00	0.01	0.028	O	|	|	|	|	0.02
252.250	0.00	0.01	0.028	O	|	|	|	|	0.02
252.333	0.00	0.01	0.028	O	|	|	|	|	0.02
252.417	0.00	0.01	0.028	O	|	|	|	|	0.02
252.500	0.00	0.01	0.028	O	|	|	|	|	0.02
252.583	0.00	0.01	0.028	O	|	|	|	|	0.02
252.667	0.00	0.01	0.028	O	|	|	|	|	0.02
252.750	0.00	0.01	0.027	O	|	|	|	|	0.02
252.833	0.00	0.01	0.027	O	|	|	|	|	0.02
252.917	0.00	0.01	0.027	O	|	|	|	|	0.02
253.000	0.00	0.01	0.027	O	|	|	|	|	0.02
253.083	0.00	0.01	0.027	O	|	|	|	|	0.02
253.167	0.00	0.01	0.027	O	|	|	|	|	0.02
253.250	0.00	0.01	0.027	O	|	|	|	|	0.02
253.333	0.00	0.01	0.027	O	|	|	|	|	0.02
253.417	0.00	0.01	0.027	O	|	|	|	|	0.02
253.500	0.00	0.01	0.027	O	|	|	|	|	0.02
253.583	0.00	0.01	0.027	O	|	|	|	|	0.02
253.667	0.00	0.01	0.027	O	|	|	|	|	0.02
253.750	0.00	0.01	0.027	O	|	|	|	|	0.02
253.833	0.00	0.01	0.027	O	|	|	|	|	0.02
253.917	0.00	0.01	0.027	O	|	|	|	|	0.02
254.000	0.00	0.01	0.027	O	|	|	|	|	0.02
254.083	0.00	0.01	0.026	O	|	|	|	|	0.02
254.167	0.00	0.01	0.026	O	|	|	|	|	0.02
254.250	0.00	0.01	0.026	O	|	|	|	|	0.02
254.333	0.00	0.01	0.026	O	|	|	|	|	0.02
254.417	0.00	0.01	0.026	O	|	|	|	|	0.02
254.500	0.00	0.01	0.026	O	|	|	|	|	0.02
254.583	0.00	0.01	0.026	O	|	|	|	|	0.02
254.667	0.00	0.01	0.026	O	|	|	|	|	0.02
254.750	0.00	0.01	0.026	O	|	|	|	|	0.02
254.833	0.00	0.01	0.026	O	|	|	|	|	0.02
254.917	0.00	0.01	0.026	O	|	|	|	|	0.02
255.000	0.00	0.01	0.026	O	|	|	|	|	0.02
255.083	0.00	0.01	0.026	O	|	|	|	|	0.02
255.167	0.00	0.01	0.026	O	|	|	|	|	0.02
255.250	0.00	0.01	0.026	O	|	|	|	|	0.02
255.333	0.00	0.01	0.026	O	|	|	|	|	0.02
255.417	0.00	0.01	0.026	O	|	|	|	|	0.02
255.500	0.00	0.01	0.025	O	|	|	|	|	0.02
255.583	0.00	0.01	0.025	O	|	|	|	|	0.02
255.667	0.00	0.01	0.025	O	|	|	|	|	0.02
255.750	0.00	0.01	0.025	O	|	|	|	|	0.02
255.833	0.00	0.01	0.025	O	|	|	|	|	0.02
255.917	0.00	0.01	0.025	O	|	|	|	|	0.02
256.000	0.00	0.01	0.025	O	|	|	|	|	0.02
256.083	0.00	0.01	0.025	O	|	|	|	|	0.02
256.167	0.00	0.01	0.025	O	|	|	|	|	0.02
256.250	0.00	0.01	0.025	O	|	|	|	|	0.02
256.333	0.00	0.01	0.025	O	|	|	|	|	0.02
256.417	0.00	0.01	0.025	O	|	|	|	|	0.02
256.500	0.00	0.01	0.025	O	|	|	|	|	0.02
256.583	0.00	0.01	0.025	O	|	|	|	|	0.02
256.667	0.00	0.01	0.025	O	|	|	|	|	0.02
256.750	0.00	0.01	0.025	O	|	|	|	|	0.02
256.833	0.00	0.01	0.025	O	|	|	|	|	0.02
256.917	0.00	0.01	0.025	O	|	|	|	|	0.02

257.000	0.00	0.01	0.024	O	|	|	|	|	0.02
257.083	0.00	0.01	0.024	O	|	|	|	|	0.02
257.167	0.00	0.01	0.024	O	|	|	|	|	0.02
257.250	0.00	0.01	0.024	O	|	|	|	|	0.02
257.333	0.00	0.01	0.024	O	|	|	|	|	0.02
257.417	0.00	0.01	0.024	O	|	|	|	|	0.02
257.500	0.00	0.01	0.024	O	|	|	|	|	0.02
257.583	0.00	0.01	0.024	O	|	|	|	|	0.02
257.667	0.00	0.01	0.024	O	|	|	|	|	0.02
257.750	0.00	0.01	0.024	O	|	|	|	|	0.02
257.833	0.00	0.01	0.024	O	|	|	|	|	0.02
257.917	0.00	0.01	0.024	O	|	|	|	|	0.02
258.000	0.00	0.01	0.024	O	|	|	|	|	0.02
258.083	0.00	0.01	0.024	O	|	|	|	|	0.02
258.167	0.00	0.01	0.024	O	|	|	|	|	0.02
258.250	0.00	0.01	0.024	O	|	|	|	|	0.02
258.333	0.00	0.01	0.024	O	|	|	|	|	0.02
258.417	0.00	0.01	0.024	O	|	|	|	|	0.02
258.500	0.00	0.01	0.024	O	|	|	|	|	0.02
258.583	0.00	0.01	0.023	O	|	|	|	|	0.02
258.667	0.00	0.01	0.023	O	|	|	|	|	0.02
258.750	0.00	0.01	0.023	O	|	|	|	|	0.02
258.833	0.00	0.01	0.023	O	|	|	|	|	0.02
258.917	0.00	0.01	0.023	O	|	|	|	|	0.02
259.000	0.00	0.01	0.023	O	|	|	|	|	0.02
259.083	0.00	0.01	0.023	O	|	|	|	|	0.02
259.167	0.00	0.01	0.023	O	|	|	|	|	0.02
259.250	0.00	0.01	0.023	O	|	|	|	|	0.02
259.333	0.00	0.01	0.023	O	|	|	|	|	0.02
259.417	0.00	0.01	0.023	O	|	|	|	|	0.02
259.500	0.00	0.01	0.023	O	|	|	|	|	0.02
259.583	0.00	0.01	0.023	O	|	|	|	|	0.02
259.667	0.00	0.01	0.023	O	|	|	|	|	0.02
259.750	0.00	0.01	0.023	O	|	|	|	|	0.02
259.833	0.00	0.01	0.023	O	|	|	|	|	0.02
259.917	0.00	0.01	0.023	O	|	|	|	|	0.02
260.000	0.00	0.01	0.023	O	|	|	|	|	0.02
260.083	0.00	0.01	0.023	O	|	|	|	|	0.02
260.167	0.00	0.01	0.023	O	|	|	|	|	0.02
260.250	0.00	0.01	0.022	O	|	|	|	|	0.02
260.333	0.00	0.01	0.022	O	|	|	|	|	0.02
260.417	0.00	0.01	0.022	O	|	|	|	|	0.02
260.500	0.00	0.01	0.022	O	|	|	|	|	0.02
260.583	0.00	0.01	0.022	O	|	|	|	|	0.02
260.667	0.00	0.01	0.022	O	|	|	|	|	0.02
260.750	0.00	0.01	0.022	O	|	|	|	|	0.02
260.833	0.00	0.01	0.022	O	|	|	|	|	0.02
260.917	0.00	0.01	0.022	O	|	|	|	|	0.02
261.000	0.00	0.01	0.022	O	|	|	|	|	0.02
261.083	0.00	0.01	0.022	O	|	|	|	|	0.02
261.167	0.00	0.01	0.022	O	|	|	|	|	0.02
261.250	0.00	0.01	0.022	O	|	|	|	|	0.02
261.333	0.00	0.01	0.022	O	|	|	|	|	0.02
261.417	0.00	0.01	0.022	O	|	|	|	|	0.02
261.500	0.00	0.01	0.022	O	|	|	|	|	0.01
261.583	0.00	0.01	0.022	O	|	|	|	|	0.01
261.667	0.00	0.01	0.022	O	|	|	|	|	0.01
261.750	0.00	0.01	0.022	O	|	|	|	|	0.01
261.833	0.00	0.01	0.022	O	|	|	|	|	0.01
261.917	0.00	0.01	0.021	O	|	|	|	|	0.01
262.000	0.00	0.01	0.021	O	|	|	|	|	0.01
262.083	0.00	0.01	0.021	O	|	|	|	|	0.01
262.167	0.00	0.01	0.021	O	|	|	|	|	0.01
262.250	0.00	0.01	0.021	O	|	|	|	|	0.01
262.333	0.00	0.01	0.021	O	|	|	|	|	0.01
262.417	0.00	0.01	0.021	O	|	|	|	|	0.01
262.500	0.00	0.01	0.021	O	|	|	|	|	0.01

262.583	0.00	0.01	0.021	O	|	|	|	|	0.01
262.667	0.00	0.01	0.021	O	|	|	|	|	0.01
262.750	0.00	0.01	0.021	O	|	|	|	|	0.01
262.833	0.00	0.01	0.021	O	|	|	|	|	0.01
262.917	0.00	0.01	0.021	O	|	|	|	|	0.01
263.000	0.00	0.01	0.021	O	|	|	|	|	0.01
263.083	0.00	0.01	0.021	O	|	|	|	|	0.01
263.167	0.00	0.01	0.021	O	|	|	|	|	0.01
263.250	0.00	0.01	0.021	O	|	|	|	|	0.01
263.333	0.00	0.01	0.021	O	|	|	|	|	0.01
263.417	0.00	0.01	0.021	O	|	|	|	|	0.01
263.500	0.00	0.01	0.021	O	|	|	|	|	0.01
263.583	0.00	0.01	0.021	O	|	|	|	|	0.01
263.667	0.00	0.01	0.020	O	|	|	|	|	0.01
263.750	0.00	0.01	0.020	O	|	|	|	|	0.01
263.833	0.00	0.01	0.020	O	|	|	|	|	0.01
263.917	0.00	0.01	0.020	O	|	|	|	|	0.01
264.000	0.00	0.01	0.020	O	|	|	|	|	0.01
264.083	0.00	0.01	0.020	O	|	|	|	|	0.01
264.167	0.00	0.01	0.020	O	|	|	|	|	0.01
264.250	0.00	0.01	0.020	O	|	|	|	|	0.01
264.333	0.00	0.01	0.020	O	|	|	|	|	0.01
264.417	0.00	0.01	0.020	O	|	|	|	|	0.01
264.500	0.00	0.01	0.020	O	|	|	|	|	0.01
264.583	0.00	0.01	0.020	O	|	|	|	|	0.01
264.667	0.00	0.01	0.020	O	|	|	|	|	0.01
264.750	0.00	0.01	0.020	O	|	|	|	|	0.01
264.833	0.00	0.01	0.020	O	|	|	|	|	0.01
264.917	0.00	0.01	0.020	O	|	|	|	|	0.01
265.000	0.00	0.01	0.020	O	|	|	|	|	0.01
265.083	0.00	0.01	0.020	O	|	|	|	|	0.01
265.167	0.00	0.01	0.020	O	|	|	|	|	0.01
265.250	0.00	0.01	0.020	O	|	|	|	|	0.01
265.333	0.00	0.01	0.020	O	|	|	|	|	0.01
265.417	0.00	0.01	0.020	O	|	|	|	|	0.01
265.500	0.00	0.01	0.020	O	|	|	|	|	0.01
265.583	0.00	0.01	0.019	O	|	|	|	|	0.01
265.667	0.00	0.01	0.019	O	|	|	|	|	0.01
265.750	0.00	0.01	0.019	O	|	|	|	|	0.01
265.833	0.00	0.01	0.019	O	|	|	|	|	0.01
265.917	0.00	0.01	0.019	O	|	|	|	|	0.01
266.000	0.00	0.01	0.019	O	|	|	|	|	0.01
266.083	0.00	0.01	0.019	O	|	|	|	|	0.01
266.167	0.00	0.01	0.019	O	|	|	|	|	0.01
266.250	0.00	0.01	0.019	O	|	|	|	|	0.01
266.333	0.00	0.01	0.019	O	|	|	|	|	0.01
266.417	0.00	0.01	0.019	O	|	|	|	|	0.01
266.500	0.00	0.01	0.019	O	|	|	|	|	0.01
266.583	0.00	0.01	0.019	O	|	|	|	|	0.01
266.667	0.00	0.01	0.019	O	|	|	|	|	0.01
266.750	0.00	0.01	0.019	O	|	|	|	|	0.01
266.833	0.00	0.01	0.019	O	|	|	|	|	0.01
266.917	0.00	0.01	0.019	O	|	|	|	|	0.01
267.000	0.00	0.01	0.019	O	|	|	|	|	0.01
267.083	0.00	0.01	0.019	O	|	|	|	|	0.01
267.167	0.00	0.01	0.019	O	|	|	|	|	0.01
267.250	0.00	0.01	0.019	O	|	|	|	|	0.01
267.333	0.00	0.01	0.019	O	|	|	|	|	0.01
267.417	0.00	0.01	0.019	O	|	|	|	|	0.01
267.500	0.00	0.01	0.018	O	|	|	|	|	0.01
267.583	0.00	0.01	0.018	O	|	|	|	|	0.01
267.667	0.00	0.01	0.018	O	|	|	|	|	0.01
267.750	0.00	0.01	0.018	O	|	|	|	|	0.01
267.833	0.00	0.01	0.018	O	|	|	|	|	0.01
267.917	0.00	0.01	0.018	O	|	|	|	|	0.01
268.000	0.00	0.01	0.018	O	|	|	|	|	0.01
268.083	0.00	0.01	0.018	O	|	|	|	|	0.01

268.167	0.00	0.01	0.018	O	|	|	|	|	0.01
268.250	0.00	0.01	0.018	O	|	|	|	|	0.01
268.333	0.00	0.01	0.018	O	|	|	|	|	0.01
268.417	0.00	0.01	0.018	O	|	|	|	|	0.01
268.500	0.00	0.01	0.018	O	|	|	|	|	0.01
268.583	0.00	0.01	0.018	O	|	|	|	|	0.01
268.667	0.00	0.01	0.018	O	|	|	|	|	0.01
268.750	0.00	0.01	0.018	O	|	|	|	|	0.01
268.833	0.00	0.01	0.018	O	|	|	|	|	0.01
268.917	0.00	0.01	0.018	O	|	|	|	|	0.01
269.000	0.00	0.01	0.018	O	|	|	|	|	0.01
269.083	0.00	0.01	0.018	O	|	|	|	|	0.01
269.167	0.00	0.01	0.018	O	|	|	|	|	0.01
269.250	0.00	0.01	0.018	O	|	|	|	|	0.01
269.333	0.00	0.01	0.018	O	|	|	|	|	0.01
269.417	0.00	0.01	0.018	O	|	|	|	|	0.01
269.500	0.00	0.01	0.018	O	|	|	|	|	0.01
269.583	0.00	0.01	0.017	O	|	|	|	|	0.01
269.667	0.00	0.01	0.017	O	|	|	|	|	0.01
269.750	0.00	0.01	0.017	O	|	|	|	|	0.01
269.833	0.00	0.01	0.017	O	|	|	|	|	0.01
269.917	0.00	0.01	0.017	O	|	|	|	|	0.01
270.000	0.00	0.01	0.017	O	|	|	|	|	0.01
270.083	0.00	0.01	0.017	O	|	|	|	|	0.01
270.167	0.00	0.01	0.017	O	|	|	|	|	0.01
270.250	0.00	0.01	0.017	O	|	|	|	|	0.01
270.333	0.00	0.01	0.017	O	|	|	|	|	0.01
270.417	0.00	0.01	0.017	O	|	|	|	|	0.01
270.500	0.00	0.01	0.017	O	|	|	|	|	0.01
270.583	0.00	0.01	0.017	O	|	|	|	|	0.01
270.667	0.00	0.01	0.017	O	|	|	|	|	0.01
270.750	0.00	0.01	0.017	O	|	|	|	|	0.01
270.833	0.00	0.01	0.017	O	|	|	|	|	0.01
270.917	0.00	0.01	0.017	O	|	|	|	|	0.01
271.000	0.00	0.01	0.017	O	|	|	|	|	0.01
271.083	0.00	0.01	0.017	O	|	|	|	|	0.01
271.167	0.00	0.01	0.017	O	|	|	|	|	0.01
271.250	0.00	0.01	0.017	O	|	|	|	|	0.01
271.333	0.00	0.01	0.017	O	|	|	|	|	0.01
271.417	0.00	0.01	0.017	O	|	|	|	|	0.01
271.500	0.00	0.01	0.017	O	|	|	|	|	0.01
271.583	0.00	0.01	0.017	O	|	|	|	|	0.01
271.667	0.00	0.01	0.017	O	|	|	|	|	0.01
271.750	0.00	0.01	0.017	O	|	|	|	|	0.01
271.833	0.00	0.01	0.016	O	|	|	|	|	0.01
271.917	0.00	0.01	0.016	O	|	|	|	|	0.01
272.000	0.00	0.01	0.016	O	|	|	|	|	0.01
272.083	0.00	0.01	0.016	O	|	|	|	|	0.01
272.167	0.00	0.01	0.016	O	|	|	|	|	0.01
272.250	0.00	0.01	0.016	O	|	|	|	|	0.01
272.333	0.00	0.01	0.016	O	|	|	|	|	0.01
272.417	0.00	0.01	0.016	O	|	|	|	|	0.01
272.500	0.00	0.01	0.016	O	|	|	|	|	0.01
272.583	0.00	0.01	0.016	O	|	|	|	|	0.01
272.667	0.00	0.01	0.016	O	|	|	|	|	0.01
272.750	0.00	0.01	0.016	O	|	|	|	|	0.01
272.833	0.00	0.01	0.016	O	|	|	|	|	0.01
272.917	0.00	0.01	0.016	O	|	|	|	|	0.01
273.000	0.00	0.01	0.016	O	|	|	|	|	0.01
273.083	0.00	0.01	0.016	O	|	|	|	|	0.01
273.167	0.00	0.01	0.016	O	|	|	|	|	0.01
273.250	0.00	0.01	0.016	O	|	|	|	|	0.01
273.333	0.00	0.01	0.016	O	|	|	|	|	0.01
273.417	0.00	0.01	0.016	O	|	|	|	|	0.01
273.500	0.00	0.01	0.016	O	|	|	|	|	0.01
273.583	0.00	0.01	0.016	O	|	|	|	|	0.01
273.667	0.00	0.01	0.016	O	|	|	|	|	0.01

273.750	0.00	0.01	0.016	O	|	|	|	|	0.01
273.833	0.00	0.01	0.016	O	|	|	|	|	0.01
273.917	0.00	0.01	0.016	O	|	|	|	|	0.01
274.000	0.00	0.01	0.016	O	|	|	|	|	0.01
274.083	0.00	0.01	0.016	O	|	|	|	|	0.01
274.167	0.00	0.01	0.015	O	|	|	|	|	0.01
274.250	0.00	0.01	0.015	O	|	|	|	|	0.01
274.333	0.00	0.00	0.015	O	|	|	|	|	0.01
274.417	0.00	0.00	0.015	O	|	|	|	|	0.01
274.500	0.00	0.00	0.015	O	|	|	|	|	0.01
274.583	0.00	0.00	0.015	O	|	|	|	|	0.01
274.667	0.00	0.00	0.015	O	|	|	|	|	0.01
274.750	0.00	0.00	0.015	O	|	|	|	|	0.01
274.833	0.00	0.00	0.015	O	|	|	|	|	0.01
274.917	0.00	0.00	0.015	O	|	|	|	|	0.01
275.000	0.00	0.00	0.015	O	|	|	|	|	0.01
275.083	0.00	0.00	0.015	O	|	|	|	|	0.01
275.167	0.00	0.00	0.015	O	|	|	|	|	0.01
275.250	0.00	0.00	0.015	O	|	|	|	|	0.01
275.333	0.00	0.00	0.015	O	|	|	|	|	0.01
275.417	0.00	0.00	0.015	O	|	|	|	|	0.01
275.500	0.00	0.00	0.015	O	|	|	|	|	0.01
275.583	0.00	0.00	0.015	O	|	|	|	|	0.01
275.667	0.00	0.00	0.015	O	|	|	|	|	0.01
275.750	0.00	0.00	0.015	O	|	|	|	|	0.01
275.833	0.00	0.00	0.015	O	|	|	|	|	0.01
275.917	0.00	0.00	0.015	O	|	|	|	|	0.01
276.000	0.00	0.00	0.015	O	|	|	|	|	0.01
276.083	0.00	0.00	0.015	O	|	|	|	|	0.01
276.167	0.00	0.00	0.015	O	|	|	|	|	0.01
276.250	0.00	0.00	0.015	O	|	|	|	|	0.01
276.333	0.00	0.00	0.015	O	|	|	|	|	0.01
276.417	0.00	0.00	0.015	O	|	|	|	|	0.01
276.500	0.00	0.00	0.015	O	|	|	|	|	0.01
276.583	0.00	0.00	0.014	O	|	|	|	|	0.01
276.667	0.00	0.00	0.014	O	|	|	|	|	0.01
276.750	0.00	0.00	0.014	O	|	|	|	|	0.01
276.833	0.00	0.00	0.014	O	|	|	|	|	0.01
276.917	0.00	0.00	0.014	O	|	|	|	|	0.01
277.000	0.00	0.00	0.014	O	|	|	|	|	0.01
277.083	0.00	0.00	0.014	O	|	|	|	|	0.01
277.167	0.00	0.00	0.014	O	|	|	|	|	0.01
277.250	0.00	0.00	0.014	O	|	|	|	|	0.01
277.333	0.00	0.00	0.014	O	|	|	|	|	0.01
277.417	0.00	0.00	0.014	O	|	|	|	|	0.01
277.500	0.00	0.00	0.014	O	|	|	|	|	0.01
277.583	0.00	0.00	0.014	O	|	|	|	|	0.01
277.667	0.00	0.00	0.014	O	|	|	|	|	0.01
277.750	0.00	0.00	0.014	O	|	|	|	|	0.01
277.833	0.00	0.00	0.014	O	|	|	|	|	0.01
277.917	0.00	0.00	0.014	O	|	|	|	|	0.01
278.000	0.00	0.00	0.014	O	|	|	|	|	0.01
278.083	0.00	0.00	0.014	O	|	|	|	|	0.01
278.167	0.00	0.00	0.014	O	|	|	|	|	0.01
278.250	0.00	0.00	0.014	O	|	|	|	|	0.01
278.333	0.00	0.00	0.014	O	|	|	|	|	0.01
278.417	0.00	0.00	0.014	O	|	|	|	|	0.01
278.500	0.00	0.00	0.014	O	|	|	|	|	0.01
278.583	0.00	0.00	0.014	O	|	|	|	|	0.01
278.667	0.00	0.00	0.014	O	|	|	|	|	0.01
278.750	0.00	0.00	0.014	O	|	|	|	|	0.01
278.833	0.00	0.00	0.014	O	|	|	|	|	0.01
278.917	0.00	0.00	0.014	O	|	|	|	|	0.01
279.000	0.00	0.00	0.014	O	|	|	|	|	0.01
279.083	0.00	0.00	0.014	O	|	|	|	|	0.01
279.167	0.00	0.00	0.014	O	|	|	|	|	0.01
279.250	0.00	0.00	0.013	O	|	|	|	|	0.01

279.333	0.00	0.00	0.013	O	|	|	|	|	0.01
279.417	0.00	0.00	0.013	O	|	|	|	|	0.01
279.500	0.00	0.00	0.013	O	|	|	|	|	0.01
279.583	0.00	0.00	0.013	O	|	|	|	|	0.01
279.667	0.00	0.00	0.013	O	|	|	|	|	0.01
279.750	0.00	0.00	0.013	O	|	|	|	|	0.01
279.833	0.00	0.00	0.013	O	|	|	|	|	0.01
279.917	0.00	0.00	0.013	O	|	|	|	|	0.01
280.000	0.00	0.00	0.013	O	|	|	|	|	0.01
280.083	0.00	0.00	0.013	O	|	|	|	|	0.01
280.167	0.00	0.00	0.013	O	|	|	|	|	0.01
280.250	0.00	0.00	0.013	O	|	|	|	|	0.01
280.333	0.00	0.00	0.013	O	|	|	|	|	0.01
280.417	0.00	0.00	0.013	O	|	|	|	|	0.01
280.500	0.00	0.00	0.013	O	|	|	|	|	0.01
280.583	0.00	0.00	0.013	O	|	|	|	|	0.01
280.667	0.00	0.00	0.013	O	|	|	|	|	0.01
280.750	0.00	0.00	0.013	O	|	|	|	|	0.01
280.833	0.00	0.00	0.013	O	|	|	|	|	0.01
280.917	0.00	0.00	0.013	O	|	|	|	|	0.01
281.000	0.00	0.00	0.013	O	|	|	|	|	0.01
281.083	0.00	0.00	0.013	O	|	|	|	|	0.01
281.167	0.00	0.00	0.013	O	|	|	|	|	0.01
281.250	0.00	0.00	0.013	O	|	|	|	|	0.01
281.333	0.00	0.00	0.013	O	|	|	|	|	0.01
281.417	0.00	0.00	0.013	O	|	|	|	|	0.01
281.500	0.00	0.00	0.013	O	|	|	|	|	0.01
281.583	0.00	0.00	0.013	O	|	|	|	|	0.01
281.667	0.00	0.00	0.013	O	|	|	|	|	0.01
281.750	0.00	0.00	0.013	O	|	|	|	|	0.01
281.833	0.00	0.00	0.013	O	|	|	|	|	0.01
281.917	0.00	0.00	0.013	O	|	|	|	|	0.01
282.000	0.00	0.00	0.013	O	|	|	|	|	0.01
282.083	0.00	0.00	0.013	O	|	|	|	|	0.01
282.167	0.00	0.00	0.012	O	|	|	|	|	0.01
282.250	0.00	0.00	0.012	O	|	|	|	|	0.01
282.333	0.00	0.00	0.012	O	|	|	|	|	0.01
282.417	0.00	0.00	0.012	O	|	|	|	|	0.01
282.500	0.00	0.00	0.012	O	|	|	|	|	0.01
282.583	0.00	0.00	0.012	O	|	|	|	|	0.01
282.667	0.00	0.00	0.012	O	|	|	|	|	0.01
282.750	0.00	0.00	0.012	O	|	|	|	|	0.01
282.833	0.00	0.00	0.012	O	|	|	|	|	0.01
282.917	0.00	0.00	0.012	O	|	|	|	|	0.01
283.000	0.00	0.00	0.012	O	|	|	|	|	0.01
283.083	0.00	0.00	0.012	O	|	|	|	|	0.01
283.167	0.00	0.00	0.012	O	|	|	|	|	0.01
283.250	0.00	0.00	0.012	O	|	|	|	|	0.01
283.333	0.00	0.00	0.012	O	|	|	|	|	0.01
283.417	0.00	0.00	0.012	O	|	|	|	|	0.01
283.500	0.00	0.00	0.012	O	|	|	|	|	0.01
283.583	0.00	0.00	0.012	O	|	|	|	|	0.01
283.667	0.00	0.00	0.012	O	|	|	|	|	0.01
283.750	0.00	0.00	0.012	O	|	|	|	|	0.01
283.833	0.00	0.00	0.012	O	|	|	|	|	0.01
283.917	0.00	0.00	0.012	O	|	|	|	|	0.01
284.000	0.00	0.00	0.012	O	|	|	|	|	0.01
284.083	0.00	0.00	0.012	O	|	|	|	|	0.01
284.167	0.00	0.00	0.012	O	|	|	|	|	0.01
284.250	0.00	0.00	0.012	O	|	|	|	|	0.01
284.333	0.00	0.00	0.012	O	|	|	|	|	0.01
284.417	0.00	0.00	0.012	O	|	|	|	|	0.01
284.500	0.00	0.00	0.012	O	|	|	|	|	0.01
284.583	0.00	0.00	0.012	O	|	|	|	|	0.01
284.667	0.00	0.00	0.012	O	|	|	|	|	0.01
284.750	0.00	0.00	0.012	O	|	|	|	|	0.01
284.833	0.00	0.00	0.012	O	|	|	|	|	0.01

284.917	0.00	0.00	0.012	O	|	|	|	|	0.01
285.000	0.00	0.00	0.012	O	|	|	|	|	0.01
285.083	0.00	0.00	0.012	O	|	|	|	|	0.01
285.167	0.00	0.00	0.012	O	|	|	|	|	0.01
285.250	0.00	0.00	0.011	O	|	|	|	|	0.01
285.333	0.00	0.00	0.011	O	|	|	|	|	0.01
285.417	0.00	0.00	0.011	O	|	|	|	|	0.01
285.500	0.00	0.00	0.011	O	|	|	|	|	0.01
285.583	0.00	0.00	0.011	O	|	|	|	|	0.01
285.667	0.00	0.00	0.011	O	|	|	|	|	0.01
285.750	0.00	0.00	0.011	O	|	|	|	|	0.01
285.833	0.00	0.00	0.011	O	|	|	|	|	0.01
285.917	0.00	0.00	0.011	O	|	|	|	|	0.01
286.000	0.00	0.00	0.011	O	|	|	|	|	0.01
286.083	0.00	0.00	0.011	O	|	|	|	|	0.01
286.167	0.00	0.00	0.011	O	|	|	|	|	0.01
286.250	0.00	0.00	0.011	O	|	|	|	|	0.01
286.333	0.00	0.00	0.011	O	|	|	|	|	0.01
286.417	0.00	0.00	0.011	O	|	|	|	|	0.01
286.500	0.00	0.00	0.011	O	|	|	|	|	0.01
286.583	0.00	0.00	0.011	O	|	|	|	|	0.01
286.667	0.00	0.00	0.011	O	|	|	|	|	0.01
286.750	0.00	0.00	0.011	O	|	|	|	|	0.01
286.833	0.00	0.00	0.011	O	|	|	|	|	0.01
286.917	0.00	0.00	0.011	O	|	|	|	|	0.01
287.000	0.00	0.00	0.011	O	|	|	|	|	0.01
287.083	0.00	0.00	0.011	O	|	|	|	|	0.01
287.167	0.00	0.00	0.011	O	|	|	|	|	0.01
287.250	0.00	0.00	0.011	O	|	|	|	|	0.01
287.333	0.00	0.00	0.011	O	|	|	|	|	0.01
287.417	0.00	0.00	0.011	O	|	|	|	|	0.01
287.500	0.00	0.00	0.011	O	|	|	|	|	0.01
287.583	0.00	0.00	0.011	O	|	|	|	|	0.01
287.667	0.00	0.00	0.011	O	|	|	|	|	0.01
287.750	0.00	0.00	0.011	O	|	|	|	|	0.01
287.833	0.00	0.00	0.011	O	|	|	|	|	0.01
287.917	0.00	0.00	0.011	O	|	|	|	|	0.01
288.000	0.00	0.00	0.011	O	|	|	|	|	0.01
288.083	0.00	0.00	0.011	O	|	|	|	|	0.01
288.167	0.00	0.00	0.011	O	|	|	|	|	0.01
288.250	0.00	0.00	0.011	O	|	|	|	|	0.01
288.333	0.00	0.00	0.011	O	|	|	|	|	0.01
288.417	0.00	0.00	0.011	O	|	|	|	|	0.01
288.500	0.00	0.00	0.011	O	|	|	|	|	0.01
288.583	0.00	0.00	0.011	O	|	|	|	|	0.01
288.667	0.00	0.00	0.010	O	|	|	|	|	0.01
288.750	0.00	0.00	0.010	O	|	|	|	|	0.01
288.833	0.00	0.00	0.010	O	|	|	|	|	0.01
288.917	0.00	0.00	0.010	O	|	|	|	|	0.01
289.000	0.00	0.00	0.010	O	|	|	|	|	0.01
289.083	0.00	0.00	0.010	O	|	|	|	|	0.01
289.167	0.00	0.00	0.010	O	|	|	|	|	0.01
289.250	0.00	0.00	0.010	O	|	|	|	|	0.01
289.333	0.00	0.00	0.010	O	|	|	|	|	0.01
289.417	0.00	0.00	0.010	O	|	|	|	|	0.01
289.500	0.00	0.00	0.010	O	|	|	|	|	0.01
289.583	0.00	0.00	0.010	O	|	|	|	|	0.01
289.667	0.00	0.00	0.010	O	|	|	|	|	0.01
289.750	0.00	0.00	0.010	O	|	|	|	|	0.01
289.833	0.00	0.00	0.010	O	|	|	|	|	0.01
289.917	0.00	0.00	0.010	O	|	|	|	|	0.01
290.000	0.00	0.00	0.010	O	|	|	|	|	0.01
290.083	0.00	0.00	0.010	O	|	|	|	|	0.01
290.167	0.00	0.00	0.010	O	|	|	|	|	0.01
290.250	0.00	0.00	0.010	O	|	|	|	|	0.01
290.333	0.00	0.00	0.010	O	|	|	|	|	0.01
290.417	0.00	0.00	0.010	O	|	|	|	|	0.01

290.500	0.00	0.00	0.010	O	|	|	|	|	0.01
290.583	0.00	0.00	0.010	O	|	|	|	|	0.01
290.667	0.00	0.00	0.010	O	|	|	|	|	0.01
290.750	0.00	0.00	0.010	O	|	|	|	|	0.01
290.833	0.00	0.00	0.010	O	|	|	|	|	0.01
290.917	0.00	0.00	0.010	O	|	|	|	|	0.01
291.000	0.00	0.00	0.010	O	|	|	|	|	0.01
291.083	0.00	0.00	0.010	O	|	|	|	|	0.01
291.167	0.00	0.00	0.010	O	|	|	|	|	0.01
291.250	0.00	0.00	0.010	O	|	|	|	|	0.01
291.333	0.00	0.00	0.010	O	|	|	|	|	0.01
291.417	0.00	0.00	0.010	O	|	|	|	|	0.01
291.500	0.00	0.00	0.010	O	|	|	|	|	0.01
291.583	0.00	0.00	0.010	O	|	|	|	|	0.01
291.667	0.00	0.00	0.010	O	|	|	|	|	0.01
291.750	0.00	0.00	0.010	O	|	|	|	|	0.01
291.833	0.00	0.00	0.010	O	|	|	|	|	0.01
291.917	0.00	0.00	0.010	O	|	|	|	|	0.01
292.000	0.00	0.00	0.010	O	|	|	|	|	0.01
292.083	0.00	0.00	0.010	O	|	|	|	|	0.01
292.167	0.00	0.00	0.010	O	|	|	|	|	0.01
292.250	0.00	0.00	0.010	O	|	|	|	|	0.01
292.333	0.00	0.00	0.010	O	|	|	|	|	0.01
292.417	0.00	0.00	0.009	O	|	|	|	|	0.01
292.500	0.00	0.00	0.009	O	|	|	|	|	0.01
292.583	0.00	0.00	0.009	O	|	|	|	|	0.01
292.667	0.00	0.00	0.009	O	|	|	|	|	0.01
292.750	0.00	0.00	0.009	O	|	|	|	|	0.01
292.833	0.00	0.00	0.009	O	|	|	|	|	0.01
292.917	0.00	0.00	0.009	O	|	|	|	|	0.01
293.000	0.00	0.00	0.009	O	|	|	|	|	0.01
293.083	0.00	0.00	0.009	O	|	|	|	|	0.01
293.167	0.00	0.00	0.009	O	|	|	|	|	0.01
293.250	0.00	0.00	0.009	O	|	|	|	|	0.01
293.333	0.00	0.00	0.009	O	|	|	|	|	0.01
293.417	0.00	0.00	0.009	O	|	|	|	|	0.01
293.500	0.00	0.00	0.009	O	|	|	|	|	0.01
293.583	0.00	0.00	0.009	O	|	|	|	|	0.01
293.667	0.00	0.00	0.009	O	|	|	|	|	0.01
293.750	0.00	0.00	0.009	O	|	|	|	|	0.01
293.833	0.00	0.00	0.009	O	|	|	|	|	0.01
293.917	0.00	0.00	0.009	O	|	|	|	|	0.01
294.000	0.00	0.00	0.009	O	|	|	|	|	0.01
294.083	0.00	0.00	0.009	O	|	|	|	|	0.01
294.167	0.00	0.00	0.009	O	|	|	|	|	0.01
294.250	0.00	0.00	0.009	O	|	|	|	|	0.01
294.333	0.00	0.00	0.009	O	|	|	|	|	0.01
294.417	0.00	0.00	0.009	O	|	|	|	|	0.01
294.500	0.00	0.00	0.009	O	|	|	|	|	0.01
294.583	0.00	0.00	0.009	O	|	|	|	|	0.01
294.667	0.00	0.00	0.009	O	|	|	|	|	0.01
294.750	0.00	0.00	0.009	O	|	|	|	|	0.01
294.833	0.00	0.00	0.009	O	|	|	|	|	0.01
294.917	0.00	0.00	0.009	O	|	|	|	|	0.01
295.000	0.00	0.00	0.009	O	|	|	|	|	0.01
295.083	0.00	0.00	0.009	O	|	|	|	|	0.01
295.167	0.00	0.00	0.009	O	|	|	|	|	0.01
295.250	0.00	0.00	0.009	O	|	|	|	|	0.01
295.333	0.00	0.00	0.009	O	|	|	|	|	0.01
295.417	0.00	0.00	0.009	O	|	|	|	|	0.01
295.500	0.00	0.00	0.009	O	|	|	|	|	0.01
295.583	0.00	0.00	0.009	O	|	|	|	|	0.01
295.667	0.00	0.00	0.009	O	|	|	|	|	0.01
295.750	0.00	0.00	0.009	O	|	|	|	|	0.01
295.833	0.00	0.00	0.009	O	|	|	|	|	0.01
295.917	0.00	0.00	0.009	O	|	|	|	|	0.01
296.000	0.00	0.00	0.009	O	|	|	|	|	0.01

296.083	0.00	0.00	0.009	O	|	|	|	|	0.01
296.167	0.00	0.00	0.009	O	|	|	|	|	0.01
296.250	0.00	0.00	0.009	O	|	|	|	|	0.01
296.333	0.00	0.00	0.009	O	|	|	|	|	0.01
296.417	0.00	0.00	0.009	O	|	|	|	|	0.01
296.500	0.00	0.00	0.009	O	|	|	|	|	0.01
296.583	0.00	0.00	0.008	O	|	|	|	|	0.01
296.667	0.00	0.00	0.008	O	|	|	|	|	0.01
296.750	0.00	0.00	0.008	O	|	|	|	|	0.01
296.833	0.00	0.00	0.008	O	|	|	|	|	0.01
296.917	0.00	0.00	0.008	O	|	|	|	|	0.01
297.000	0.00	0.00	0.008	O	|	|	|	|	0.01
297.083	0.00	0.00	0.008	O	|	|	|	|	0.01
297.167	0.00	0.00	0.008	O	|	|	|	|	0.01
297.250	0.00	0.00	0.008	O	|	|	|	|	0.01
297.333	0.00	0.00	0.008	O	|	|	|	|	0.01
297.417	0.00	0.00	0.008	O	|	|	|	|	0.01
297.500	0.00	0.00	0.008	O	|	|	|	|	0.01
297.583	0.00	0.00	0.008	O	|	|	|	|	0.01
297.667	0.00	0.00	0.008	O	|	|	|	|	0.01
297.750	0.00	0.00	0.008	O	|	|	|	|	0.01
297.833	0.00	0.00	0.008	O	|	|	|	|	0.01
297.917	0.00	0.00	0.008	O	|	|	|	|	0.01
298.000	0.00	0.00	0.008	O	|	|	|	|	0.01
298.083	0.00	0.00	0.008	O	|	|	|	|	0.01
298.167	0.00	0.00	0.008	O	|	|	|	|	0.01
298.250	0.00	0.00	0.008	O	|	|	|	|	0.01
298.333	0.00	0.00	0.008	O	|	|	|	|	0.01
298.417	0.00	0.00	0.008	O	|	|	|	|	0.01
298.500	0.00	0.00	0.008	O	|	|	|	|	0.01
298.583	0.00	0.00	0.008	O	|	|	|	|	0.01
298.667	0.00	0.00	0.008	O	|	|	|	|	0.01
298.750	0.00	0.00	0.008	O	|	|	|	|	0.01
298.833	0.00	0.00	0.008	O	|	|	|	|	0.01
298.917	0.00	0.00	0.008	O	|	|	|	|	0.01
299.000	0.00	0.00	0.008	O	|	|	|	|	0.01
299.083	0.00	0.00	0.008	O	|	|	|	|	0.01
299.167	0.00	0.00	0.008	O	|	|	|	|	0.01
299.250	0.00	0.00	0.008	O	|	|	|	|	0.01
299.333	0.00	0.00	0.008	O	|	|	|	|	0.01
299.417	0.00	0.00	0.008	O	|	|	|	|	0.01
299.500	0.00	0.00	0.008	O	|	|	|	|	0.01
299.583	0.00	0.00	0.008	O	|	|	|	|	0.01
299.667	0.00	0.00	0.008	O	|	|	|	|	0.01
299.750	0.00	0.00	0.008	O	|	|	|	|	0.01
299.833	0.00	0.00	0.008	O	|	|	|	|	0.01
299.917	0.00	0.00	0.008	O	|	|	|	|	0.01
300.000	0.00	0.00	0.008	O	|	|	|	|	0.01
300.083	0.00	0.00	0.008	O	|	|	|	|	0.01
300.167	0.00	0.00	0.008	O	|	|	|	|	0.01
300.250	0.00	0.00	0.008	O	|	|	|	|	0.01
300.333	0.00	0.00	0.008	O	|	|	|	|	0.01
300.417	0.00	0.00	0.008	O	|	|	|	|	0.01
300.500	0.00	0.00	0.008	O	|	|	|	|	0.01
300.583	0.00	0.00	0.008	O	|	|	|	|	0.01
300.667	0.00	0.00	0.008	O	|	|	|	|	0.01
300.750	0.00	0.00	0.008	O	|	|	|	|	0.01
300.833	0.00	0.00	0.008	O	|	|	|	|	0.01
300.917	0.00	0.00	0.008	O	|	|	|	|	0.01
301.000	0.00	0.00	0.008	O	|	|	|	|	0.01
301.083	0.00	0.00	0.008	O	|	|	|	|	0.01
301.167	0.00	0.00	0.008	O	|	|	|	|	0.01
301.250	0.00	0.00	0.007	O	|	|	|	|	0.01
301.333	0.00	0.00	0.007	O	|	|	|	|	0.01
301.417	0.00	0.00	0.007	O	|	|	|	|	0.01
301.500	0.00	0.00	0.007	O	|	|	|	|	0.01
301.583	0.00	0.00	0.007	O	|	|	|	|	0.01

301.667	0.00	0.00	0.007	O	|	|	|	|	0.01
301.750	0.00	0.00	0.007	O	|	|	|	|	0.01
301.833	0.00	0.00	0.007	O	|	|	|	|	0.01
301.917	0.00	0.00	0.007	O	|	|	|	|	0.01
302.000	0.00	0.00	0.007	O	|	|	|	|	0.01
302.083	0.00	0.00	0.007	O	|	|	|	|	0.01
302.167	0.00	0.00	0.007	O	|	|	|	|	0.01
302.250	0.00	0.00	0.007	O	|	|	|	|	0.01
302.333	0.00	0.00	0.007	O	|	|	|	|	0.01
302.417	0.00	0.00	0.007	O	|	|	|	|	0.01
302.500	0.00	0.00	0.007	O	|	|	|	|	0.00
302.583	0.00	0.00	0.007	O	|	|	|	|	0.00
302.667	0.00	0.00	0.007	O	|	|	|	|	0.00
302.750	0.00	0.00	0.007	O	|	|	|	|	0.00
302.833	0.00	0.00	0.007	O	|	|	|	|	0.00
302.917	0.00	0.00	0.007	O	|	|	|	|	0.00
303.000	0.00	0.00	0.007	O	|	|	|	|	0.00
303.083	0.00	0.00	0.007	O	|	|	|	|	0.00
303.167	0.00	0.00	0.007	O	|	|	|	|	0.00
303.250	0.00	0.00	0.007	O	|	|	|	|	0.00
303.333	0.00	0.00	0.007	O	|	|	|	|	0.00
303.417	0.00	0.00	0.007	O	|	|	|	|	0.00
303.500	0.00	0.00	0.007	O	|	|	|	|	0.00
303.583	0.00	0.00	0.007	O	|	|	|	|	0.00
303.667	0.00	0.00	0.007	O	|	|	|	|	0.00
303.750	0.00	0.00	0.007	O	|	|	|	|	0.00
303.833	0.00	0.00	0.007	O	|	|	|	|	0.00
303.917	0.00	0.00	0.007	O	|	|	|	|	0.00
304.000	0.00	0.00	0.007	O	|	|	|	|	0.00
304.083	0.00	0.00	0.007	O	|	|	|	|	0.00
304.167	0.00	0.00	0.007	O	|	|	|	|	0.00
304.250	0.00	0.00	0.007	O	|	|	|	|	0.00
304.333	0.00	0.00	0.007	O	|	|	|	|	0.00
304.417	0.00	0.00	0.007	O	|	|	|	|	0.00
304.500	0.00	0.00	0.007	O	|	|	|	|	0.00
304.583	0.00	0.00	0.007	O	|	|	|	|	0.00
304.667	0.00	0.00	0.007	O	|	|	|	|	0.00
304.750	0.00	0.00	0.007	O	|	|	|	|	0.00
304.833	0.00	0.00	0.007	O	|	|	|	|	0.00
304.917	0.00	0.00	0.007	O	|	|	|	|	0.00
305.000	0.00	0.00	0.007	O	|	|	|	|	0.00
305.083	0.00	0.00	0.007	O	|	|	|	|	0.00
305.167	0.00	0.00	0.007	O	|	|	|	|	0.00
305.250	0.00	0.00	0.007	O	|	|	|	|	0.00
305.333	0.00	0.00	0.007	O	|	|	|	|	0.00
305.417	0.00	0.00	0.007	O	|	|	|	|	0.00
305.500	0.00	0.00	0.007	O	|	|	|	|	0.00
305.583	0.00	0.00	0.007	O	|	|	|	|	0.00
305.667	0.00	0.00	0.007	O	|	|	|	|	0.00
305.750	0.00	0.00	0.007	O	|	|	|	|	0.00
305.833	0.00	0.00	0.007	O	|	|	|	|	0.00
305.917	0.00	0.00	0.007	O	|	|	|	|	0.00
306.000	0.00	0.00	0.007	O	|	|	|	|	0.00
306.083	0.00	0.00	0.007	O	|	|	|	|	0.00
306.167	0.00	0.00	0.007	O	|	|	|	|	0.00
306.250	0.00	0.00	0.007	O	|	|	|	|	0.00
306.333	0.00	0.00	0.007	O	|	|	|	|	0.00
306.417	0.00	0.00	0.007	O	|	|	|	|	0.00
306.500	0.00	0.00	0.007	O	|	|	|	|	0.00
306.583	0.00	0.00	0.006	O	|	|	|	|	0.00
306.667	0.00	0.00	0.006	O	|	|	|	|	0.00
306.750	0.00	0.00	0.006	O	|	|	|	|	0.00
306.833	0.00	0.00	0.006	O	|	|	|	|	0.00
306.917	0.00	0.00	0.006	O	|	|	|	|	0.00
307.000	0.00	0.00	0.006	O	|	|	|	|	0.00
307.083	0.00	0.00	0.006	O	|	|	|	|	0.00
307.167	0.00	0.00	0.006	O	|	|	|	|	0.00

307.250	0.00	0.00	0.006	O	|	|	|	|	0.00
307.333	0.00	0.00	0.006	O	|	|	|	|	0.00
307.417	0.00	0.00	0.006	O	|	|	|	|	0.00
307.500	0.00	0.00	0.006	O	|	|	|	|	0.00
307.583	0.00	0.00	0.006	O	|	|	|	|	0.00
307.667	0.00	0.00	0.006	O	|	|	|	|	0.00
307.750	0.00	0.00	0.006	O	|	|	|	|	0.00
307.833	0.00	0.00	0.006	O	|	|	|	|	0.00
307.917	0.00	0.00	0.006	O	|	|	|	|	0.00
308.000	0.00	0.00	0.006	O	|	|	|	|	0.00
308.083	0.00	0.00	0.006	O	|	|	|	|	0.00
308.167	0.00	0.00	0.006	O	|	|	|	|	0.00
308.250	0.00	0.00	0.006	O	|	|	|	|	0.00
308.333	0.00	0.00	0.006	O	|	|	|	|	0.00
308.417	0.00	0.00	0.006	O	|	|	|	|	0.00
308.500	0.00	0.00	0.006	O	|	|	|	|	0.00
308.583	0.00	0.00	0.006	O	|	|	|	|	0.00
308.667	0.00	0.00	0.006	O	|	|	|	|	0.00
308.750	0.00	0.00	0.006	O	|	|	|	|	0.00
308.833	0.00	0.00	0.006	O	|	|	|	|	0.00
308.917	0.00	0.00	0.006	O	|	|	|	|	0.00
309.000	0.00	0.00	0.006	O	|	|	|	|	0.00
309.083	0.00	0.00	0.006	O	|	|	|	|	0.00
309.167	0.00	0.00	0.006	O	|	|	|	|	0.00
309.250	0.00	0.00	0.006	O	|	|	|	|	0.00
309.333	0.00	0.00	0.006	O	|	|	|	|	0.00
309.417	0.00	0.00	0.006	O	|	|	|	|	0.00
309.500	0.00	0.00	0.006	O	|	|	|	|	0.00
309.583	0.00	0.00	0.006	O	|	|	|	|	0.00
309.667	0.00	0.00	0.006	O	|	|	|	|	0.00
309.750	0.00	0.00	0.006	O	|	|	|	|	0.00
309.833	0.00	0.00	0.006	O	|	|	|	|	0.00
309.917	0.00	0.00	0.006	O	|	|	|	|	0.00
310.000	0.00	0.00	0.006	O	|	|	|	|	0.00
310.083	0.00	0.00	0.006	O	|	|	|	|	0.00
310.167	0.00	0.00	0.006	O	|	|	|	|	0.00
310.250	0.00	0.00	0.006	O	|	|	|	|	0.00
310.333	0.00	0.00	0.006	O	|	|	|	|	0.00
310.417	0.00	0.00	0.006	O	|	|	|	|	0.00
310.500	0.00	0.00	0.006	O	|	|	|	|	0.00
310.583	0.00	0.00	0.006	O	|	|	|	|	0.00
310.667	0.00	0.00	0.006	O	|	|	|	|	0.00
310.750	0.00	0.00	0.006	O	|	|	|	|	0.00
310.833	0.00	0.00	0.006	O	|	|	|	|	0.00
310.917	0.00	0.00	0.006	O	|	|	|	|	0.00
311.000	0.00	0.00	0.006	O	|	|	|	|	0.00
311.083	0.00	0.00	0.006	O	|	|	|	|	0.00
311.167	0.00	0.00	0.006	O	|	|	|	|	0.00
311.250	0.00	0.00	0.006	O	|	|	|	|	0.00
311.333	0.00	0.00	0.006	O	|	|	|	|	0.00
311.417	0.00	0.00	0.006	O	|	|	|	|	0.00
311.500	0.00	0.00	0.006	O	|	|	|	|	0.00
311.583	0.00	0.00	0.006	O	|	|	|	|	0.00
311.667	0.00	0.00	0.006	O	|	|	|	|	0.00
311.750	0.00	0.00	0.006	O	|	|	|	|	0.00
311.833	0.00	0.00	0.006	O	|	|	|	|	0.00
311.917	0.00	0.00	0.006	O	|	|	|	|	0.00
312.000	0.00	0.00	0.006	O	|	|	|	|	0.00
312.083	0.00	0.00	0.006	O	|	|	|	|	0.00
312.167	0.00	0.00	0.006	O	|	|	|	|	0.00
312.250	0.00	0.00	0.006	O	|	|	|	|	0.00
312.333	0.00	0.00	0.006	O	|	|	|	|	0.00
312.417	0.00	0.00	0.006	O	|	|	|	|	0.00
312.500	0.00	0.00	0.006	O	|	|	|	|	0.00
312.583	0.00	0.00	0.006	O	|	|	|	|	0.00
312.667	0.00	0.00	0.006	O	|	|	|	|	0.00
312.750	0.00	0.00	0.006	O	|	|	|	|	0.00

312.833	0.00	0.00	0.005	O					0.00
312.917	0.00	0.00	0.005	O					0.00
313.000	0.00	0.00	0.005	O					0.00
313.083	0.00	0.00	0.005	O					0.00
313.167	0.00	0.00	0.005	O					0.00
313.250	0.00	0.00	0.005	O					0.00
313.333	0.00	0.00	0.005	O					0.00
313.417	0.00	0.00	0.005	O					0.00
313.500	0.00	0.00	0.005	O					0.00
313.583	0.00	0.00	0.005	O					0.00
313.667	0.00	0.00	0.005	O					0.00
313.750	0.00	0.00	0.005	O					0.00
313.833	0.00	0.00	0.005	O					0.00
313.917	0.00	0.00	0.005	O					0.00
314.000	0.00	0.00	0.005	O					0.00
314.083	0.00	0.00	0.005	O					0.00
314.167	0.00	0.00	0.005	O					0.00
314.250	0.00	0.00	0.005	O					0.00
314.333	0.00	0.00	0.005	O					0.00
314.417	0.00	0.00	0.005	O					0.00
314.500	0.00	0.00	0.005	O					0.00
314.583	0.00	0.00	0.005	O					0.00
314.667	0.00	0.00	0.005	O					0.00
314.750	0.00	0.00	0.005	O					0.00
314.833	0.00	0.00	0.005	O					0.00
314.917	0.00	0.00	0.005	O					0.00
315.000	0.00	0.00	0.005	O					0.00
315.083	0.00	0.00	0.005	O					0.00
315.167	0.00	0.00	0.005	O					0.00
315.250	0.00	0.00	0.005	O					0.00
315.333	0.00	0.00	0.005	O					0.00
315.417	0.00	0.00	0.005	O					0.00
315.500	0.00	0.00	0.005	O					0.00
315.583	0.00	0.00	0.005	O					0.00
315.667	0.00	0.00	0.005	O					0.00
315.750	0.00	0.00	0.005	O					0.00
315.833	0.00	0.00	0.005	O					0.00
315.917	0.00	0.00	0.005	O					0.00
316.000	0.00	0.00	0.005	O					0.00
316.083	0.00	0.00	0.005	O					0.00
316.167	0.00	0.00	0.005	O					0.00
316.250	0.00	0.00	0.005	O					0.00
316.333	0.00	0.00	0.005	O					0.00
316.417	0.00	0.00	0.005	O					0.00
316.500	0.00	0.00	0.005	O					0.00
316.583	0.00	0.00	0.005	O					0.00
316.667	0.00	0.00	0.005	O					0.00
316.750	0.00	0.00	0.005	O					0.00
316.833	0.00	0.00	0.005	O					0.00
316.917	0.00	0.00	0.005	O					0.00
317.000	0.00	0.00	0.005	O					0.00
317.083	0.00	0.00	0.005	O					0.00
317.167	0.00	0.00	0.005	O					0.00
317.250	0.00	0.00	0.005	O					0.00
317.333	0.00	0.00	0.005	O					0.00
317.417	0.00	0.00	0.005	O					0.00
317.500	0.00	0.00	0.005	O					0.00
317.583	0.00	0.00	0.005	O					0.00
317.667	0.00	0.00	0.005	O					0.00
317.750	0.00	0.00	0.005	O					0.00
317.833	0.00	0.00	0.005	O					0.00
317.917	0.00	0.00	0.005	O					0.00
318.000	0.00	0.00	0.005	O					0.00
318.083	0.00	0.00	0.005	O					0.00
318.167	0.00	0.00	0.005	O					0.00
318.250	0.00	0.00	0.005	O					0.00
318.333	0.00	0.00	0.005	O					0.00

318.417	0.00	0.00	0.005	O	|	|	|	0.00
318.500	0.00	0.00	0.005	O	|	|	|	0.00
318.583	0.00	0.00	0.005	O	|	|	|	0.00
318.667	0.00	0.00	0.005	O	|	|	|	0.00
318.750	0.00	0.00	0.005	O	|	|	|	0.00
318.833	0.00	0.00	0.005	O	|	|	|	0.00
318.917	0.00	0.00	0.005	O	|	|	|	0.00
319.000	0.00	0.00	0.005	O	|	|	|	0.00
319.083	0.00	0.00	0.005	O	|	|	|	0.00
319.167	0.00	0.00	0.005	O	|	|	|	0.00
319.250	0.00	0.00	0.005	O	|	|	|	0.00
319.333	0.00	0.00	0.005	O	|	|	|	0.00
319.417	0.00	0.00	0.005	O	|	|	|	0.00
319.500	0.00	0.00	0.005	O	|	|	|	0.00
319.583	0.00	0.00	0.005	O	|	|	|	0.00
319.667	0.00	0.00	0.005	O	|	|	|	0.00
319.750	0.00	0.00	0.005	O	|	|	|	0.00
319.833	0.00	0.00	0.005	O	|	|	|	0.00
319.917	0.00	0.00	0.005	O	|	|	|	0.00
320.000	0.00	0.00	0.005	O	|	|	|	0.00
320.083	0.00	0.00	0.005	O	|	|	|	0.00
320.167	0.00	0.00	0.005	O	|	|	|	0.00
320.250	0.00	0.00	0.005	O	|	|	|	0.00
320.333	0.00	0.00	0.004	O	|	|	|	0.00
320.417	0.00	0.00	0.004	O	|	|	|	0.00
320.500	0.00	0.00	0.004	O	|	|	|	0.00
320.583	0.00	0.00	0.004	O	|	|	|	0.00
320.667	0.00	0.00	0.004	O	|	|	|	0.00
320.750	0.00	0.00	0.004	O	|	|	|	0.00
320.833	0.00	0.00	0.004	O	|	|	|	0.00
320.917	0.00	0.00	0.004	O	|	|	|	0.00
321.000	0.00	0.00	0.004	O	|	|	|	0.00
321.083	0.00	0.00	0.004	O	|	|	|	0.00
321.167	0.00	0.00	0.004	O	|	|	|	0.00
321.250	0.00	0.00	0.004	O	|	|	|	0.00
321.333	0.00	0.00	0.004	O	|	|	|	0.00
321.417	0.00	0.00	0.004	O	|	|	|	0.00
321.500	0.00	0.00	0.004	O	|	|	|	0.00
321.583	0.00	0.00	0.004	O	|	|	|	0.00
321.667	0.00	0.00	0.004	O	|	|	|	0.00
321.750	0.00	0.00	0.004	O	|	|	|	0.00
321.833	0.00	0.00	0.004	O	|	|	|	0.00
321.917	0.00	0.00	0.004	O	|	|	|	0.00
322.000	0.00	0.00	0.004	O	|	|	|	0.00
322.083	0.00	0.00	0.004	O	|	|	|	0.00
322.167	0.00	0.00	0.004	O	|	|	|	0.00
322.250	0.00	0.00	0.004	O	|	|	|	0.00
322.333	0.00	0.00	0.004	O	|	|	|	0.00
322.417	0.00	0.00	0.004	O	|	|	|	0.00
322.500	0.00	0.00	0.004	O	|	|	|	0.00
322.583	0.00	0.00	0.004	O	|	|	|	0.00
322.667	0.00	0.00	0.004	O	|	|	|	0.00
322.750	0.00	0.00	0.004	O	|	|	|	0.00
322.833	0.00	0.00	0.004	O	|	|	|	0.00
322.917	0.00	0.00	0.004	O	|	|	|	0.00
323.000	0.00	0.00	0.004	O	|	|	|	0.00
323.083	0.00	0.00	0.004	O	|	|	|	0.00
323.167	0.00	0.00	0.004	O	|	|	|	0.00
323.250	0.00	0.00	0.004	O	|	|	|	0.00
323.333	0.00	0.00	0.004	O	|	|	|	0.00
323.417	0.00	0.00	0.004	O	|	|	|	0.00
323.500	0.00	0.00	0.004	O	|	|	|	0.00
323.583	0.00	0.00	0.004	O	|	|	|	0.00
323.667	0.00	0.00	0.004	O	|	|	|	0.00
323.750	0.00	0.00	0.004	O	|	|	|	0.00
323.833	0.00	0.00	0.004	O	|	|	|	0.00
323.917	0.00	0.00	0.004	O	|	|	|	0.00

324.000	0.00	0.00	0.004	O	|	|	|	0.00
324.083	0.00	0.00	0.004	O	|	|	|	0.00
324.167	0.00	0.00	0.004	O	|	|	|	0.00
324.250	0.00	0.00	0.004	O	|	|	|	0.00
324.333	0.00	0.00	0.004	O	|	|	|	0.00
324.417	0.00	0.00	0.004	O	|	|	|	0.00
324.500	0.00	0.00	0.004	O	|	|	|	0.00
324.583	0.00	0.00	0.004	O	|	|	|	0.00
324.667	0.00	0.00	0.004	O	|	|	|	0.00
324.750	0.00	0.00	0.004	O	|	|	|	0.00
324.833	0.00	0.00	0.004	O	|	|	|	0.00
324.917	0.00	0.00	0.004	O	|	|	|	0.00
325.000	0.00	0.00	0.004	O	|	|	|	0.00
325.083	0.00	0.00	0.004	O	|	|	|	0.00
325.167	0.00	0.00	0.004	O	|	|	|	0.00
325.250	0.00	0.00	0.004	O	|	|	|	0.00
325.333	0.00	0.00	0.004	O	|	|	|	0.00
325.417	0.00	0.00	0.004	O	|	|	|	0.00
325.500	0.00	0.00	0.004	O	|	|	|	0.00
325.583	0.00	0.00	0.004	O	|	|	|	0.00
325.667	0.00	0.00	0.004	O	|	|	|	0.00
325.750	0.00	0.00	0.004	O	|	|	|	0.00
325.833	0.00	0.00	0.004	O	|	|	|	0.00
325.917	0.00	0.00	0.004	O	|	|	|	0.00
326.000	0.00	0.00	0.004	O	|	|	|	0.00
326.083	0.00	0.00	0.004	O	|	|	|	0.00
326.167	0.00	0.00	0.004	O	|	|	|	0.00
326.250	0.00	0.00	0.004	O	|	|	|	0.00
326.333	0.00	0.00	0.004	O	|	|	|	0.00
326.417	0.00	0.00	0.004	O	|	|	|	0.00
326.500	0.00	0.00	0.004	O	|	|	|	0.00
326.583	0.00	0.00	0.004	O	|	|	|	0.00
326.667	0.00	0.00	0.004	O	|	|	|	0.00
326.750	0.00	0.00	0.004	O	|	|	|	0.00
326.833	0.00	0.00	0.004	O	|	|	|	0.00
326.917	0.00	0.00	0.004	O	|	|	|	0.00
327.000	0.00	0.00	0.004	O	|	|	|	0.00
327.083	0.00	0.00	0.004	O	|	|	|	0.00
327.167	0.00	0.00	0.004	O	|	|	|	0.00
327.250	0.00	0.00	0.004	O	|	|	|	0.00
327.333	0.00	0.00	0.004	O	|	|	|	0.00
327.417	0.00	0.00	0.004	O	|	|	|	0.00
327.500	0.00	0.00	0.004	O	|	|	|	0.00
327.583	0.00	0.00	0.004	O	|	|	|	0.00
327.667	0.00	0.00	0.004	O	|	|	|	0.00
327.750	0.00	0.00	0.004	O	|	|	|	0.00
327.833	0.00	0.00	0.004	O	|	|	|	0.00
327.917	0.00	0.00	0.004	O	|	|	|	0.00
328.000	0.00	0.00	0.004	O	|	|	|	0.00
328.083	0.00	0.00	0.004	O	|	|	|	0.00
328.167	0.00	0.00	0.004	O	|	|	|	0.00
328.250	0.00	0.00	0.004	O	|	|	|	0.00
328.333	0.00	0.00	0.004	O	|	|	|	0.00
328.417	0.00	0.00	0.004	O	|	|	|	0.00
328.500	0.00	0.00	0.004	O	|	|	|	0.00
328.583	0.00	0.00	0.004	O	|	|	|	0.00
328.667	0.00	0.00	0.004	O	|	|	|	0.00
328.750	0.00	0.00	0.004	O	|	|	|	0.00
328.833	0.00	0.00	0.004	O	|	|	|	0.00
328.917	0.00	0.00	0.004	O	|	|	|	0.00
329.000	0.00	0.00	0.004	O	|	|	|	0.00
329.083	0.00	0.00	0.004	O	|	|	|	0.00
329.167	0.00	0.00	0.004	O	|	|	|	0.00
329.250	0.00	0.00	0.004	O	|	|	|	0.00
329.333	0.00	0.00	0.004	O	|	|	|	0.00
329.417	0.00	0.00	0.004	O	|	|	|	0.00
329.500	0.00	0.00	0.004	O	|	|	|	0.00

329.583	0.00	0.00	0.004	O	|	|	|	|	0.00
329.667	0.00	0.00	0.003	O	|	|	|	|	0.00
329.750	0.00	0.00	0.003	O	|	|	|	|	0.00
329.833	0.00	0.00	0.003	O	|	|	|	|	0.00
329.917	0.00	0.00	0.003	O	|	|	|	|	0.00
330.000	0.00	0.00	0.003	O	|	|	|	|	0.00
330.083	0.00	0.00	0.003	O	|	|	|	|	0.00
330.167	0.00	0.00	0.003	O	|	|	|	|	0.00
330.250	0.00	0.00	0.003	O	|	|	|	|	0.00
330.333	0.00	0.00	0.003	O	|	|	|	|	0.00
330.417	0.00	0.00	0.003	O	|	|	|	|	0.00
330.500	0.00	0.00	0.003	O	|	|	|	|	0.00
330.583	0.00	0.00	0.003	O	|	|	|	|	0.00
330.667	0.00	0.00	0.003	O	|	|	|	|	0.00
330.750	0.00	0.00	0.003	O	|	|	|	|	0.00
330.833	0.00	0.00	0.003	O	|	|	|	|	0.00
330.917	0.00	0.00	0.003	O	|	|	|	|	0.00
331.000	0.00	0.00	0.003	O	|	|	|	|	0.00
331.083	0.00	0.00	0.003	O	|	|	|	|	0.00
331.167	0.00	0.00	0.003	O	|	|	|	|	0.00
331.250	0.00	0.00	0.003	O	|	|	|	|	0.00
331.333	0.00	0.00	0.003	O	|	|	|	|	0.00
331.417	0.00	0.00	0.003	O	|	|	|	|	0.00
331.500	0.00	0.00	0.003	O	|	|	|	|	0.00
331.583	0.00	0.00	0.003	O	|	|	|	|	0.00
331.667	0.00	0.00	0.003	O	|	|	|	|	0.00
331.750	0.00	0.00	0.003	O	|	|	|	|	0.00
331.833	0.00	0.00	0.003	O	|	|	|	|	0.00
331.917	0.00	0.00	0.003	O	|	|	|	|	0.00
332.000	0.00	0.00	0.003	O	|	|	|	|	0.00
332.083	0.00	0.00	0.003	O	|	|	|	|	0.00
332.167	0.00	0.00	0.003	O	|	|	|	|	0.00
332.250	0.00	0.00	0.003	O	|	|	|	|	0.00
332.333	0.00	0.00	0.003	O	|	|	|	|	0.00
332.417	0.00	0.00	0.003	O	|	|	|	|	0.00
332.500	0.00	0.00	0.003	O	|	|	|	|	0.00
332.583	0.00	0.00	0.003	O	|	|	|	|	0.00
332.667	0.00	0.00	0.003	O	|	|	|	|	0.00
332.750	0.00	0.00	0.003	O	|	|	|	|	0.00
332.833	0.00	0.00	0.003	O	|	|	|	|	0.00
332.917	0.00	0.00	0.003	O	|	|	|	|	0.00
333.000	0.00	0.00	0.003	O	|	|	|	|	0.00
333.083	0.00	0.00	0.003	O	|	|	|	|	0.00
333.167	0.00	0.00	0.003	O	|	|	|	|	0.00
333.250	0.00	0.00	0.003	O	|	|	|	|	0.00
333.333	0.00	0.00	0.003	O	|	|	|	|	0.00
333.417	0.00	0.00	0.003	O	|	|	|	|	0.00
333.500	0.00	0.00	0.003	O	|	|	|	|	0.00
333.583	0.00	0.00	0.003	O	|	|	|	|	0.00
333.667	0.00	0.00	0.003	O	|	|	|	|	0.00
333.750	0.00	0.00	0.003	O	|	|	|	|	0.00
333.833	0.00	0.00	0.003	O	|	|	|	|	0.00
333.917	0.00	0.00	0.003	O	|	|	|	|	0.00
334.000	0.00	0.00	0.003	O	|	|	|	|	0.00
334.083	0.00	0.00	0.003	O	|	|	|	|	0.00
334.167	0.00	0.00	0.003	O	|	|	|	|	0.00
334.250	0.00	0.00	0.003	O	|	|	|	|	0.00
334.333	0.00	0.00	0.003	O	|	|	|	|	0.00
334.417	0.00	0.00	0.003	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 4013

Time interval = 5.0 (Min.)

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            Maximum/Peak flow rate =        2.999 (CFS)
            Total volume =      14.004 (Ac.Ft)
      Status of hydrographs being held in storage
                 Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
      Peak (CFS)      0.000     0.000     0.000     0.000     0.000
      Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
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U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2014, Version 9.0
Study date 12/21/21 File: RVEI242.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978
Program License Serial Number 6406

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used
English Units used in output format

RIO VISTA DEVELOPMENT
BASIN I- EXISTING UNIT HYDROGRAPH
2YR-24HR STORM

Drainage Area = 20.28(Ac.) = 0.032 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 20.28(Ac.) = 0.032 Sq. Mi.
Length along longest watercourse = 1074.00(Ft.)
Length along longest watercourse measured to centroid = 705.00(Ft.)
Length along longest watercourse = 0.203 Mi.
Length along longest watercourse measured to centroid = 0.134 Mi.
Difference in elevation = 105.00(Ft.)
Slope along watercourse = 516.2011 Ft./Mi.
Average Manning's 'N' = 0.040
Lag time = 0.074 Hr.
Lag time = 4.47 Min.
25% of lag time = 1.12 Min.
40% of lag time = 1.79 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	2.70	54.76

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
20.28	7.00	141.96

STORM EVENT (YEAR) = 2.00
Area Averaged 2-Year Rainfall = 2.700(In)
Area Averaged 100-Year Rainfall = 7.000(In)

Point rain (area averaged) = 2.700(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.700(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
20.280	83.70	0.000

Total Area Entered = 20.28(Ac.)

RI	RI	Infil. Rate	Impervious	Adj. Infil. Rate	Area%	F

```
AMC2 AMC-1     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
83.7  68.2      0.382     0.000        0.382       1.000      0.382
                                                  Sum (F) =   0.382
Area averaged mean soil loss (F) (In/Hr) =  0.382
Minimum soil loss rate ((In/Hr)) =  0.191
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.900
------------------------------------------------------------------------

            U n i t  H y d r o g r a p h
                   VALLEY S-Curve
------------------------------------------------------------------------
            Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %            (CFS)
------------------------------------------------------------------------
       1   0.083        111.967         22.829              4.666
       2   0.167        223.935         48.848              9.984
       3   0.250        335.902         14.086              2.879
       4   0.333        447.869          6.444              1.317
       5   0.417        559.837          3.580              0.732
       6   0.500        671.804          2.198              0.449
       7   0.583        783.771          1.294              0.264
       8   0.667        895.739          0.722              0.148
                              Sum = 100.000   Sum=      20.438
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The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.677)	0.019	0.002
2	0.17	0.07	0.022	(0.674)	0.019	0.002
3	0.25	0.07	0.022	(0.671)	0.019	0.002
4	0.33	0.10	0.032	(0.669)	0.029	0.003
5	0.42	0.10	0.032	(0.666)	0.029	0.003
6	0.50	0.10	0.032	(0.664)	0.029	0.003
7	0.58	0.10	0.032	(0.661)	0.029	0.003
8	0.67	0.10	0.032	(0.658)	0.029	0.003
9	0.75	0.10	0.032	(0.656)	0.029	0.003
10	0.83	0.13	0.043	(0.653)	0.039	0.004
11	0.92	0.13	0.043	(0.651)	0.039	0.004
12	1.00	0.13	0.043	(0.648)	0.039	0.004
13	1.08	0.10	0.032	(0.646)	0.029	0.003
14	1.17	0.10	0.032	(0.643)	0.029	0.003
15	1.25	0.10	0.032	(0.640)	0.029	0.003
16	1.33	0.10	0.032	(0.638)	0.029	0.003
17	1.42	0.10	0.032	(0.635)	0.029	0.003
18	1.50	0.10	0.032	(0.633)	0.029	0.003
19	1.58	0.10	0.032	(0.630)	0.029	0.003
20	1.67	0.10	0.032	(0.628)	0.029	0.003
21	1.75	0.10	0.032	(0.625)	0.029	0.003
22	1.83	0.13	0.043	(0.623)	0.039	0.004
23	1.92	0.13	0.043	(0.620)	0.039	0.004
24	2.00	0.13	0.043	(0.618)	0.039	0.004
25	2.08	0.13	0.043	(0.615)	0.039	0.004
26	2.17	0.13	0.043	(0.613)	0.039	0.004
27	2.25	0.13	0.043	(0.610)	0.039	0.004
28	2.33	0.13	0.043	(0.608)	0.039	0.004
29	2.42	0.13	0.043	(0.605)	0.039	0.004
30	2.50	0.13	0.043	(0.603)	0.039	0.004
31	2.58	0.17	0.054	(0.600)	0.049	0.005
32	2.67	0.17	0.054	(0.598)	0.049	0.005
33	2.75	0.17	0.054	(0.595)	0.049	0.005

34	2.83	0.17	0.054	(0.593)	0.049	0.005
35	2.92	0.17	0.054	(0.590)	0.049	0.005
36	3.00	0.17	0.054	(0.588)	0.049	0.005
37	3.08	0.17	0.054	(0.586)	0.049	0.005
38	3.17	0.17	0.054	(0.583)	0.049	0.005
39	3.25	0.17	0.054	(0.581)	0.049	0.005
40	3.33	0.17	0.054	(0.578)	0.049	0.005
41	3.42	0.17	0.054	(0.576)	0.049	0.005
42	3.50	0.17	0.054	(0.574)	0.049	0.005
43	3.58	0.17	0.054	(0.571)	0.049	0.005
44	3.67	0.17	0.054	(0.569)	0.049	0.005
45	3.75	0.17	0.054	(0.566)	0.049	0.005
46	3.83	0.20	0.065	(0.564)	0.058	0.006
47	3.92	0.20	0.065	(0.562)	0.058	0.006
48	4.00	0.20	0.065	(0.559)	0.058	0.006
49	4.08	0.20	0.065	(0.557)	0.058	0.006
50	4.17	0.20	0.065	(0.554)	0.058	0.006
51	4.25	0.20	0.065	(0.552)	0.058	0.006
52	4.33	0.23	0.076	(0.550)	0.068	0.008
53	4.42	0.23	0.076	(0.547)	0.068	0.008
54	4.50	0.23	0.076	(0.545)	0.068	0.008
55	4.58	0.23	0.076	(0.543)	0.068	0.008
56	4.67	0.23	0.076	(0.540)	0.068	0.008
57	4.75	0.23	0.076	(0.538)	0.068	0.008
58	4.83	0.27	0.086	(0.536)	0.078	0.009
59	4.92	0.27	0.086	(0.533)	0.078	0.009
60	5.00	0.27	0.086	(0.531)	0.078	0.009
61	5.08	0.20	0.065	(0.529)	0.058	0.006
62	5.17	0.20	0.065	(0.526)	0.058	0.006
63	5.25	0.20	0.065	(0.524)	0.058	0.006
64	5.33	0.23	0.076	(0.522)	0.068	0.008
65	5.42	0.23	0.076	(0.520)	0.068	0.008
66	5.50	0.23	0.076	(0.517)	0.068	0.008
67	5.58	0.27	0.086	(0.515)	0.078	0.009
68	5.67	0.27	0.086	(0.513)	0.078	0.009
69	5.75	0.27	0.086	(0.511)	0.078	0.009
70	5.83	0.27	0.086	(0.508)	0.078	0.009
71	5.92	0.27	0.086	(0.506)	0.078	0.009
72	6.00	0.27	0.086	(0.504)	0.078	0.009
73	6.08	0.30	0.097	(0.502)	0.087	0.010
74	6.17	0.30	0.097	(0.499)	0.087	0.010
75	6.25	0.30	0.097	(0.497)	0.087	0.010
76	6.33	0.30	0.097	(0.495)	0.087	0.010
77	6.42	0.30	0.097	(0.493)	0.087	0.010
78	6.50	0.30	0.097	(0.490)	0.087	0.010
79	6.58	0.33	0.108	(0.488)	0.097	0.011
80	6.67	0.33	0.108	(0.486)	0.097	0.011
81	6.75	0.33	0.108	(0.484)	0.097	0.011
82	6.83	0.33	0.108	(0.482)	0.097	0.011
83	6.92	0.33	0.108	(0.479)	0.097	0.011
84	7.00	0.33	0.108	(0.477)	0.097	0.011
85	7.08	0.33	0.108	(0.475)	0.097	0.011
86	7.17	0.33	0.108	(0.473)	0.097	0.011
87	7.25	0.33	0.108	(0.471)	0.097	0.011
88	7.33	0.37	0.119	(0.469)	0.107	0.012
89	7.42	0.37	0.119	(0.467)	0.107	0.012
90	7.50	0.37	0.119	(0.464)	0.107	0.012
91	7.58	0.40	0.130	(0.462)	0.117	0.013
92	7.67	0.40	0.130	(0.460)	0.117	0.013
93	7.75	0.40	0.130	(0.458)	0.117	0.013
94	7.83	0.43	0.140	(0.456)	0.126	0.014
95	7.92	0.43	0.140	(0.454)	0.126	0.014
96	8.00	0.43	0.140	(0.452)	0.126	0.014
97	8.08	0.50	0.162	(0.450)	0.146	0.016
98	8.17	0.50	0.162	(0.447)	0.146	0.016
99	8.25	0.50	0.162	(0.445)	0.146	0.016
100	8.33	0.50	0.162	(0.443)	0.146	0.016

101	8.42	0.50	0.162	(0.441)	0.146	0.016
102	8.50	0.50	0.162	(0.439)	0.146	0.016
103	8.58	0.53	0.173	(0.437)	0.156	0.017
104	8.67	0.53	0.173	(0.435)	0.156	0.017
105	8.75	0.53	0.173	(0.433)	0.156	0.017
106	8.83	0.57	0.184	(0.431)	0.165	0.018
107	8.92	0.57	0.184	(0.429)	0.165	0.018
108	9.00	0.57	0.184	(0.427)	0.165	0.018
109	9.08	0.63	0.205	(0.425)	0.185	0.021
110	9.17	0.63	0.205	(0.423)	0.185	0.021
111	9.25	0.63	0.205	(0.421)	0.185	0.021
112	9.33	0.67	0.216	(0.419)	0.194	0.022
113	9.42	0.67	0.216	(0.417)	0.194	0.022
114	9.50	0.67	0.216	(0.415)	0.194	0.022
115	9.58	0.70	0.227	(0.413)	0.204	0.023
116	9.67	0.70	0.227	(0.411)	0.204	0.023
117	9.75	0.70	0.227	(0.409)	0.204	0.023
118	9.83	0.73	0.238	(0.407)	0.214	0.024
119	9.92	0.73	0.238	(0.405)	0.214	0.024
120	10.00	0.73	0.238	(0.403)	0.214	0.024
121	10.08	0.50	0.162	(0.401)	0.146	0.016
122	10.17	0.50	0.162	(0.399)	0.146	0.016
123	10.25	0.50	0.162	(0.397)	0.146	0.016
124	10.33	0.50	0.162	(0.395)	0.146	0.016
125	10.42	0.50	0.162	(0.393)	0.146	0.016
126	10.50	0.50	0.162	(0.391)	0.146	0.016
127	10.58	0.67	0.216	(0.390)	0.194	0.022
128	10.67	0.67	0.216	(0.388)	0.194	0.022
129	10.75	0.67	0.216	(0.386)	0.194	0.022
130	10.83	0.67	0.216	(0.384)	0.194	0.022
131	10.92	0.67	0.216	(0.382)	0.194	0.022
132	11.00	0.67	0.216	(0.380)	0.194	0.022
133	11.08	0.63	0.205	(0.378)	0.185	0.021
134	11.17	0.63	0.205	(0.376)	0.185	0.021
135	11.25	0.63	0.205	(0.374)	0.185	0.021
136	11.33	0.63	0.205	(0.373)	0.185	0.021
137	11.42	0.63	0.205	(0.371)	0.185	0.021
138	11.50	0.63	0.205	(0.369)	0.185	0.021
139	11.58	0.57	0.184	(0.367)	0.165	0.018
140	11.67	0.57	0.184	(0.365)	0.165	0.018
141	11.75	0.57	0.184	(0.363)	0.165	0.018
142	11.83	0.60	0.194	(0.362)	0.175	0.019
143	11.92	0.60	0.194	(0.360)	0.175	0.019
144	12.00	0.60	0.194	(0.358)	0.175	0.019
145	12.08	0.83	0.270	(0.356)	0.243	0.027
146	12.17	0.83	0.270	(0.354)	0.243	0.027
147	12.25	0.83	0.270	(0.353)	0.243	0.027
148	12.33	0.87	0.281	(0.351)	0.253	0.028
149	12.42	0.87	0.281	(0.349)	0.253	0.028
150	12.50	0.87	0.281	(0.347)	0.253	0.028
151	12.58	0.93	0.302	(0.346)	0.272	0.030
152	12.67	0.93	0.302	(0.344)	0.272	0.030
153	12.75	0.93	0.302	(0.342)	0.272	0.030
154	12.83	0.97	0.313	(0.340)	0.282	0.031
155	12.92	0.97	0.313	(0.339)	0.282	0.031
156	13.00	0.97	0.313	(0.337)	0.282	0.031
157	13.08	1.13	0.367	(0.335)	0.330	0.037
158	13.17	1.13	0.367	(0.334)	0.330	0.037
159	13.25	1.13	0.367	(0.332)	0.330	0.037
160	13.33	1.13	0.367	0.330	(0.330)	0.037
161	13.42	1.13	0.367	0.329	(0.330)	0.039
162	13.50	1.13	0.367	0.327	(0.330)	0.040
163	13.58	0.77	0.248	(0.325)	0.224	0.025
164	13.67	0.77	0.248	(0.324)	0.224	0.025
165	13.75	0.77	0.248	(0.322)	0.224	0.025
166	13.83	0.77	0.248	(0.320)	0.224	0.025
167	13.92	0.77	0.248	(0.319)	0.224	0.025

168	14.00	0.77	0.248	(0.317)	0.224	0.025
169	14.08	0.90	0.292	(0.315)	0.262	0.029
170	14.17	0.90	0.292	(0.314)	0.262	0.029
171	14.25	0.90	0.292	(0.312)	0.262	0.029
172	14.33	0.87	0.281	(0.311)	0.253	0.028
173	14.42	0.87	0.281	(0.309)	0.253	0.028
174	14.50	0.87	0.281	(0.307)	0.253	0.028
175	14.58	0.87	0.281	(0.306)	0.253	0.028
176	14.67	0.87	0.281	(0.304)	0.253	0.028
177	14.75	0.87	0.281	(0.303)	0.253	0.028
178	14.83	0.83	0.270	(0.301)	0.243	0.027
179	14.92	0.83	0.270	(0.300)	0.243	0.027
180	15.00	0.83	0.270	(0.298)	0.243	0.027
181	15.08	0.80	0.259	(0.297)	0.233	0.026
182	15.17	0.80	0.259	(0.295)	0.233	0.026
183	15.25	0.80	0.259	(0.294)	0.233	0.026
184	15.33	0.77	0.248	(0.292)	0.224	0.025
185	15.42	0.77	0.248	(0.291)	0.224	0.025
186	15.50	0.77	0.248	(0.289)	0.224	0.025
187	15.58	0.63	0.205	(0.288)	0.185	0.021
188	15.67	0.63	0.205	(0.286)	0.185	0.021
189	15.75	0.63	0.205	(0.285)	0.185	0.021
190	15.83	0.63	0.205	(0.283)	0.185	0.021
191	15.92	0.63	0.205	(0.282)	0.185	0.021
192	16.00	0.63	0.205	(0.280)	0.185	0.021
193	16.08	0.13	0.043	(0.279)	0.039	0.004
194	16.17	0.13	0.043	(0.277)	0.039	0.004
195	16.25	0.13	0.043	(0.276)	0.039	0.004
196	16.33	0.13	0.043	(0.275)	0.039	0.004
197	16.42	0.13	0.043	(0.273)	0.039	0.004
198	16.50	0.13	0.043	(0.272)	0.039	0.004
199	16.58	0.10	0.032	(0.270)	0.029	0.003
200	16.67	0.10	0.032	(0.269)	0.029	0.003
201	16.75	0.10	0.032	(0.268)	0.029	0.003
202	16.83	0.10	0.032	(0.266)	0.029	0.003
203	16.92	0.10	0.032	(0.265)	0.029	0.003
204	17.00	0.10	0.032	(0.264)	0.029	0.003
205	17.08	0.17	0.054	(0.262)	0.049	0.005
206	17.17	0.17	0.054	(0.261)	0.049	0.005
207	17.25	0.17	0.054	(0.260)	0.049	0.005
208	17.33	0.17	0.054	(0.258)	0.049	0.005
209	17.42	0.17	0.054	(0.257)	0.049	0.005
210	17.50	0.17	0.054	(0.256)	0.049	0.005
211	17.58	0.17	0.054	(0.254)	0.049	0.005
212	17.67	0.17	0.054	(0.253)	0.049	0.005
213	17.75	0.17	0.054	(0.252)	0.049	0.005
214	17.83	0.13	0.043	(0.251)	0.039	0.004
215	17.92	0.13	0.043	(0.249)	0.039	0.004
216	18.00	0.13	0.043	(0.248)	0.039	0.004
217	18.08	0.13	0.043	(0.247)	0.039	0.004
218	18.17	0.13	0.043	(0.246)	0.039	0.004
219	18.25	0.13	0.043	(0.245)	0.039	0.004
220	18.33	0.13	0.043	(0.243)	0.039	0.004
221	18.42	0.13	0.043	(0.242)	0.039	0.004
222	18.50	0.13	0.043	(0.241)	0.039	0.004
223	18.58	0.10	0.032	(0.240)	0.029	0.003
224	18.67	0.10	0.032	(0.239)	0.029	0.003
225	18.75	0.10	0.032	(0.238)	0.029	0.003
226	18.83	0.07	0.022	(0.236)	0.019	0.002
227	18.92	0.07	0.022	(0.235)	0.019	0.002
228	19.00	0.07	0.022	(0.234)	0.019	0.002
229	19.08	0.10	0.032	(0.233)	0.029	0.003
230	19.17	0.10	0.032	(0.232)	0.029	0.003
231	19.25	0.10	0.032	(0.231)	0.029	0.003
232	19.33	0.13	0.043	(0.230)	0.039	0.004
233	19.42	0.13	0.043	(0.229)	0.039	0.004
234	19.50	0.13	0.043	(0.228)	0.039	0.004

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235  19.58     0.10      0.032       (  0.227)       0.029        0.003
236  19.67     0.10      0.032       (  0.226)       0.029        0.003
237  19.75     0.10      0.032       (  0.225)       0.029        0.003
238  19.83     0.07      0.022       (  0.224)       0.019        0.002
239  19.92     0.07      0.022       (  0.223)       0.019        0.002
240  20.00     0.07      0.022       (  0.222)       0.019        0.002
241  20.08     0.10      0.032       (  0.221)       0.029        0.003
242  20.17     0.10      0.032       (  0.220)       0.029        0.003
243  20.25     0.10      0.032       (  0.219)       0.029        0.003
244  20.33     0.10      0.032       (  0.218)       0.029        0.003
245  20.42     0.10      0.032       (  0.217)       0.029        0.003
246  20.50     0.10      0.032       (  0.216)       0.029        0.003
247  20.58     0.10      0.032       (  0.215)       0.029        0.003
248  20.67     0.10      0.032       (  0.214)       0.029        0.003
249  20.75     0.10      0.032       (  0.213)       0.029        0.003
250  20.83     0.07      0.022       (  0.212)       0.019        0.002
251  20.92     0.07      0.022       (  0.211)       0.019        0.002
252  21.00     0.07      0.022       (  0.211)       0.019        0.002
253  21.08     0.10      0.032       (  0.210)       0.029        0.003
254  21.17     0.10      0.032       (  0.209)       0.029        0.003
255  21.25     0.10      0.032       (  0.208)       0.029        0.003
256  21.33     0.07      0.022       (  0.207)       0.019        0.002
257  21.42     0.07      0.022       (  0.207)       0.019        0.002
258  21.50     0.07      0.022       (  0.206)       0.019        0.002
259  21.58     0.10      0.032       (  0.205)       0.029        0.003
260  21.67     0.10      0.032       (  0.204)       0.029        0.003
261  21.75     0.10      0.032       (  0.204)       0.029        0.003
262  21.83     0.07      0.022       (  0.203)       0.019        0.002
263  21.92     0.07      0.022       (  0.202)       0.019        0.002
264  22.00     0.07      0.022       (  0.202)       0.019        0.002
265  22.08     0.10      0.032       (  0.201)       0.029        0.003
266  22.17     0.10      0.032       (  0.200)       0.029        0.003
267  22.25     0.10      0.032       (  0.200)       0.029        0.003
268  22.33     0.07      0.022       (  0.199)       0.019        0.002
269  22.42     0.07      0.022       (  0.198)       0.019        0.002
270  22.50     0.07      0.022       (  0.198)       0.019        0.002
271  22.58     0.07      0.022       (  0.197)       0.019        0.002
272  22.67     0.07      0.022       (  0.197)       0.019        0.002
273  22.75     0.07      0.022       (  0.196)       0.019        0.002
274  22.83     0.07      0.022       (  0.196)       0.019        0.002
275  22.92     0.07      0.022       (  0.195)       0.019        0.002
276  23.00     0.07      0.022       (  0.195)       0.019        0.002
277  23.08     0.07      0.022       (  0.194)       0.019        0.002
278  23.17     0.07      0.022       (  0.194)       0.019        0.002
279  23.25     0.07      0.022       (  0.193)       0.019        0.002
280  23.33     0.07      0.022       (  0.193)       0.019        0.002
281  23.42     0.07      0.022       (  0.193)       0.019        0.002
282  23.50     0.07      0.022       (  0.192)       0.019        0.002
283  23.58     0.07      0.022       (  0.192)       0.019        0.002
284  23.67     0.07      0.022       (  0.192)       0.019        0.002
285  23.75     0.07      0.022       (  0.191)       0.019        0.002
286  23.83     0.07      0.022       (  0.191)       0.019        0.002
287  23.92     0.07      0.022       (  0.191)       0.019        0.002
288  24.00     0.07      0.022       (  0.191)       0.019        0.002
            (Loss Rate Not Used)
    Sum =     100.0                                  Sum =     3.2
     Flood volume = Effective rainfall      0.27(In)
      times area      20.3(Ac.)/[(In)/(Ft.)] =       0.5(Ac.Ft)
     Total soil loss =      2.43(In)
     Total soil loss =     4.106(Ac.Ft)
     Total rainfall =      2.70(In)
     Flood volume =       19910.6 Cubic Feet
     Total soil loss =      178845.9 Cubic Feet
     ---------------------------------------------------------------------
      Peak flow rate of this hydrograph =      0.785(CFS)
     ---------------------------------------------------------------------
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q				
0+10	0.0003	0.03	Q				
0+15	0.0005	0.04	Q				
0+20	0.0009	0.05	Q				
0+25	0.0013	0.06	Q				
0+30	0.0017	0.06	Q				
0+35	0.0021	0.06	Q				
0+40	0.0026	0.07	Q				
0+45	0.0030	0.07	Q				
0+50	0.0035	0.07	Q				
0+55	0.0041	0.08	Q				
1+ 0	0.0047	0.09	Q				
1+ 5	0.0052	0.08	Q				
1+10	0.0057	0.07	Q				
1+15	0.0062	0.07	Q				
1+20	0.0067	0.07	Q				
1+25	0.0071	0.07	Q				
1+30	0.0076	0.07	Q				
1+35	0.0081	0.07	Q				
1+40	0.0085	0.07	Q				
1+45	0.0090	0.07	Q				
1+50	0.0095	0.07	Q				
1+55	0.0100	0.08	Q				
2+ 0	0.0106	0.09	Q				
2+ 5	0.0112	0.09	Q				
2+10	0.0118	0.09	QV				
2+15	0.0124	0.09	QV				
2+20	0.0130	0.09	QV				
2+25	0.0136	0.09	QV				
2+30	0.0142	0.09	QV				
2+35	0.0149	0.09	QV				
2+40	0.0156	0.10	QV				
2+45	0.0163	0.11	QV				
2+50	0.0171	0.11	QV				
2+55	0.0178	0.11	QV				
3+ 0	0.0186	0.11	QV				
3+ 5	0.0194	0.11	QV				
3+10	0.0201	0.11	QV				
3+15	0.0209	0.11	QV				
3+20	0.0216	0.11	QV				
3+25	0.0224	0.11	QV				
3+30	0.0232	0.11	Q V				
3+35	0.0239	0.11	Q V				
3+40	0.0247	0.11	Q V				
3+45	0.0254	0.11	Q V				
3+50	0.0262	0.12	Q V				
3+55	0.0271	0.13	Q V				
4+ 0	0.0280	0.13	Q V				
4+ 5	0.0289	0.13	Q V				
4+10	0.0298	0.13	Q V				
4+15	0.0307	0.13	Q V				
4+20	0.0317	0.14	Q V				
4+25	0.0327	0.15	Q V				
4+30	0.0337	0.15	Q V				
4+35	0.0348	0.15	Q V				
4+40	0.0358	0.15	Q V				
4+45	0.0369	0.15	Q V				
4+50	0.0380	0.16	Q V				
4+55	0.0392	0.17	Q V				

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 5+ 0       0.0404      0.17  Q  V      |          |          |          |
 5+ 5       0.0415      0.16  Q  V      |          |          |          |
 5+10       0.0425      0.14  Q  V      |          |          |          |
 5+15       0.0434      0.14  Q  V      |          |          |          |
 5+20       0.0444      0.14  Q  V      |          |          |          |
 5+25       0.0454      0.15  Q  V      |          |          |          |
 5+30       0.0465      0.15  Q   V     |          |          |          |
 5+35       0.0476      0.16  Q   V     |          |          |          |
 5+40       0.0488      0.17  Q   V     |          |          |          |
 5+45       0.0499      0.17  Q   V     |          |          |          |
 5+50       0.0512      0.17  Q   V     |          |          |          |
 5+55       0.0524      0.18  Q   V     |          |          |          |
 6+ 0       0.0536      0.18  Q   V     |          |          |          |
 6+ 5       0.0548      0.18  Q   V     |          |          |          |
 6+10       0.0562      0.19  Q   V     |          |          |          |
 6+15       0.0575      0.20  Q    V    |          |          |          |
 6+20       0.0589      0.20  Q    V    |          |          |          |
 6+25       0.0602      0.20  Q    V    |          |          |          |
 6+30       0.0616      0.20  Q    V    |          |          |          |
 6+35       0.0630      0.20  Q    V    |          |          |          |
 6+40       0.0645      0.21  Q    V    |          |          |          |
 6+45       0.0660      0.22  Q    V    |          |          |          |
 6+50       0.0675      0.22  Q    V    |          |          |          |
 6+55       0.0690      0.22  Q     V   |          |          |          |
 7+ 0       0.0705      0.22  Q     V   |          |          |          |
 7+ 5       0.0720      0.22  Q     V   |          |          |          |
 7+10       0.0735      0.22  Q     V   |          |          |          |
 7+15       0.0751      0.22  Q     V   |          |          |          |
 7+20       0.0766      0.23  Q     V   |          |          |          |
 7+25       0.0783      0.24  Q     V   |          |          |          |
 7+30       0.0799      0.24  Q     V   |          |          |          |
 7+35       0.0816      0.25  Q      V  |          |          |          |
 7+40       0.0834      0.26  |Q     V  |          |          |          |
 7+45       0.0852      0.26  |Q     V  |          |          |          |
 7+50       0.0870      0.27  |Q     V  |          |          |          |
 7+55       0.0889      0.28  |Q     V  |          |          |          |
 8+ 0       0.0909      0.28  |Q     V  |          |          |          |
 8+ 5       0.0929      0.30  |Q      V |          |          |          |
 8+10       0.0951      0.32  |Q      V |          |          |          |
 8+15       0.0974      0.32  |Q      V |          |          |          |
 8+20       0.0996      0.33  |Q      V |          |          |          |
 8+25       0.1019      0.33  |Q      V |          |          |          |
 8+30       0.1042      0.33  |Q       V|          |          |          |
 8+35       0.1065      0.34  |Q       V|          |          |          |
 8+40       0.1089      0.35  |Q       V|          |          |          |
 8+45       0.1113      0.35  |Q       V|          |          |          |
 8+50       0.1137      0.36  |Q       V|          |          |          |
 8+55       0.1163      0.37  |Q        V          |          |          |
 9+ 0       0.1188      0.37  |Q        V          |          |          |
 9+ 5       0.1215      0.38  |Q        V          |          |          |
 9+10       0.1243      0.41  |Q        V          |          |          |
 9+15       0.1271      0.41  |Q        |V         |          |          |
 9+20       0.1300      0.42  |Q        |V         |          |          |
 9+25       0.1330      0.43  |Q        |V         |          |          |
 9+30       0.1360      0.44  |Q        |V         |          |          |
 9+35       0.1391      0.44  |Q        | V        |          |          |
 9+40       0.1422      0.46  |Q        | V        |          |          |
 9+45       0.1454      0.46  |Q        | V        |          |          |
 9+50       0.1486      0.47  |Q        |  V       |          |          |
 9+55       0.1519      0.48  |Q        |  V       |          |          |
10+ 0       0.1552      0.48  |Q        |  V       |          |          |
10+ 5       0.1583      0.45  |Q        |  V       |          |          |
10+10       0.1609      0.37  |Q        |   V      |          |          |
10+15       0.1633      0.35  |Q        |   V      |          |          |
10+20       0.1657      0.34  |Q        |   V      |          |          |
10+25       0.1680      0.34  |Q        |   V      |          |          |
10+30       0.1703      0.33  |Q        |   V      |          |          |
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10+35       0.1728      0.36  |Q        |    V    |         |         |
10+40       0.1756      0.41  |Q        |    V    |         |         |
10+45       0.1785      0.43  |Q        |    V    |         |         |
10+50       0.1815      0.43  |Q        |    V    |         |         |
10+55       0.1845      0.44  |Q        |     V   |         |         |
11+ 0       0.1876      0.44  |Q        |     V   |         |         |
11+ 5       0.1906      0.44  |Q        |     V   |         |         |
11+10       0.1935      0.43  |Q        |     V   |         |         |
11+15       0.1964      0.42  |Q        |      V  |         |         |
11+20       0.1993      0.42  |Q        |      V  |         |         |
11+25       0.2022      0.42  |Q        |      V  |         |         |
11+30       0.2051      0.42  |Q        |      V  |         |         |
11+35       0.2079      0.41  |Q        |       V |         |         |
11+40       0.2106      0.39  |Q        |       V |         |         |
11+45       0.2132      0.38  |Q        |       V |         |         |
11+50       0.2159      0.38  |Q        |       V |         |         |
11+55       0.2186      0.39  |Q        |        V|         |         |
12+ 0       0.2213      0.40  |Q        |        V|         |         |
12+ 5       0.2243      0.43  |Q        |        V|         |         |
12+10       0.2278      0.51  | Q       |        V|         |         |
12+15       0.2314      0.53  | Q       |         V         |         |
12+20       0.2352      0.54  | Q       |         V         |         |
12+25       0.2390      0.56  | Q       |         V         |         |
12+30       0.2429      0.57  | Q       |         |V        |         |
12+35       0.2469      0.58  | Q       |         |V        |         |
12+40       0.2511      0.60  | Q       |         |V        |         |
12+45       0.2553      0.61  | Q       |         | V       |         |
12+50       0.2596      0.62  | Q       |         | V       |         |
12+55       0.2639      0.63  | Q       |         |  V      |         |
13+ 0       0.2683      0.64  | Q       |         |  V      |         |
13+ 5       0.2729      0.66  | Q       |         |  V      |         |
13+10       0.2778      0.72  | Q       |         |   V     |         |
13+15       0.2829      0.73  | Q       |         |   V     |         |
13+20       0.2880      0.74  | Q       |         |    V    |         |
13+25       0.2932      0.76  |  Q      |         |    V    |         |
13+30       0.2986      0.78  |  Q      |         |     V   |         |
13+35       0.3037      0.74  | Q       |         |     V   |         |
13+40       0.3078      0.59  | Q       |         |     V   |         |
13+45       0.3115      0.55  | Q       |         |      V  |         |
13+50       0.3152      0.53  | Q       |         |      V  |         |
13+55       0.3188      0.52  | Q       |         |      V  |         |
14+ 0       0.3223      0.51  | Q       |         |       V |         |
14+ 5       0.3260      0.53  | Q       |         |       V |         |
14+10       0.3299      0.57  | Q       |         |       V |         |
14+15       0.3339      0.58  | Q       |         |        V|         |
14+20       0.3380      0.58  | Q       |         |        V|         |
14+25       0.3419      0.58  | Q       |         |        V|         |
14+30       0.3459      0.58  | Q       |         |         V         |
14+35       0.3499      0.58  | Q       |         |         V         |
14+40       0.3538      0.58  | Q       |         |         V         |
14+45       0.3578      0.57  | Q       |         |         |V        |
14+50       0.3617      0.57  | Q       |         |         |V        |
14+55       0.3655      0.56  | Q       |         |         |V        |
15+ 0       0.3694      0.56  | Q       |         |         | V       |
15+ 5       0.3731      0.55  | Q       |         |         | V       |
15+10       0.3768      0.54  | Q       |         |         | V       |
15+15       0.3805      0.53  | Q       |         |         |  V      |
15+20       0.3841      0.53  | Q       |         |         |  V      |
15+25       0.3877      0.52  | Q       |         |         |  V      |
15+30       0.3912      0.51  | Q       |         |         |   V     |
15+35       0.3946      0.49  |Q        |         |         |   V     |
15+40       0.3977      0.45  |Q        |         |         |   V     |
15+45       0.4006      0.43  |Q        |         |         |    V    |
15+50       0.4036      0.43  |Q        |         |         |    V    |
15+55       0.4065      0.42  |Q        |         |         |    V    |
16+ 0       0.4094      0.42  |Q        |         |         |    V    |
16+ 5       0.4118      0.34  |Q        |         |         |     V   |
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16+10       0.4130      0.18  Q          |          |          |     V    |
16+15       0.4140      0.14  Q          |          |          |     V    |
16+20       0.4147      0.11  Q          |          |          |     V    |
16+25       0.4154      0.10  Q          |          |          |     V    |
16+30       0.4161      0.10  Q          |          |          |     V    |
16+35       0.4167      0.09  Q          |          |          |     V    |
16+40       0.4172      0.07  Q          |          |          |     V    |
16+45       0.4177      0.07  Q          |          |          |     V    |
16+50       0.4181      0.07  Q          |          |          |     V    |
16+55       0.4186      0.07  Q          |          |          |     V    |
17+ 0       0.4191      0.07  Q          |          |          |     V    |
17+ 5       0.4196      0.08  Q          |          |          |     V    |
17+10       0.4203      0.10  Q          |          |          |     V    |
17+15       0.4210      0.10  Q          |          |          |     V    |
17+20       0.4217      0.11  Q          |          |          |     V    |
17+25       0.4225      0.11  Q          |          |          |     V    |
17+30       0.4232      0.11  Q          |          |          |      V   |
17+35       0.4240      0.11  Q          |          |          |      V   |
17+40       0.4247      0.11  Q          |          |          |      V   |
17+45       0.4255      0.11  Q          |          |          |      V   |
17+50       0.4262      0.11  Q          |          |          |      V   |
17+55       0.4269      0.09  Q          |          |          |      V   |
18+ 0       0.4275      0.09  Q          |          |          |      V   |
18+ 5       0.4281      0.09  Q          |          |          |      V   |
18+10       0.4287      0.09  Q          |          |          |      V   |
18+15       0.4293      0.09  Q          |          |          |      V   |
18+20       0.4300      0.09  Q          |          |          |      V   |
18+25       0.4306      0.09  Q          |          |          |      V   |
18+30       0.4312      0.09  Q          |          |          |      V   |
18+35       0.4317      0.08  Q          |          |          |      V   |
18+40       0.4322      0.07  Q          |          |          |      V   |
18+45       0.4327      0.07  Q          |          |          |      V   |
18+50       0.4332      0.06  Q          |          |          |      V   |
18+55       0.4335      0.05  Q          |          |          |      V   |
19+ 0       0.4338      0.05  Q          |          |          |      V   |
19+ 5       0.4342      0.05  Q          |          |          |      V   |
19+10       0.4346      0.06  Q          |          |          |       V  |
19+15       0.4350      0.06  Q          |          |          |       V  |
19+20       0.4355      0.07  Q          |          |          |       V  |
19+25       0.4361      0.08  Q          |          |          |       V  |
19+30       0.4367      0.08  Q          |          |          |       V  |
19+35       0.4372      0.08  Q          |          |          |       V  |
19+40       0.4377      0.07  Q          |          |          |       V  |
19+45       0.4382      0.07  Q          |          |          |       V  |
19+50       0.4386      0.06  Q          |          |          |       V  |
19+55       0.4390      0.05  Q          |          |          |       V  |
20+ 0       0.4393      0.05  Q          |          |          |       V  |
20+ 5       0.4397      0.05  Q          |          |          |       V  |
20+10       0.4401      0.06  Q          |          |          |       V  |
20+15       0.4405      0.06  Q          |          |          |       V  |
20+20       0.4410      0.06  Q          |          |          |       V  |
20+25       0.4414      0.07  Q          |          |          |       V  |
20+30       0.4419      0.07  Q          |          |          |       V  |
20+35       0.4423      0.07  Q          |          |          |       V  |
20+40       0.4428      0.07  Q          |          |          |       V  |
20+45       0.4432      0.07  Q          |          |          |       V  |
20+50       0.4437      0.06  Q          |          |          |       V  |
20+55       0.4440      0.05  Q          |          |          |       V  |
21+ 0       0.4443      0.05  Q          |          |          |       V  |
21+ 5       0.4447      0.05  Q          |          |          |       V  |
21+10       0.4451      0.06  Q          |          |          |       V  |
21+15       0.4455      0.06  Q          |          |          |       V  |
21+20       0.4460      0.06  Q          |          |          |        V |
21+25       0.4463      0.05  Q          |          |          |        V |
21+30       0.4466      0.05  Q          |          |          |        V |
21+35       0.4470      0.05  Q          |          |          |        V |
21+40       0.4474      0.06  Q          |          |          |        V |
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21+45	0.4478	0.06	Q	|	|	|	V|
21+50	0.4482	0.06	Q	|	|	|	V|
21+55	0.4486	0.05	Q	|	|	|	V|
22+ 0	0.4489	0.05	Q	|	|	|	V|
22+ 5	0.4492	0.05	Q	|	|	|	V|
22+10	0.4497	0.06	Q	|	|	|	V|
22+15	0.4501	0.06	Q	|	|	|	V|
22+20	0.4505	0.06	Q	|	|	|	V|
22+25	0.4509	0.05	Q	|	|	|	V|
22+30	0.4512	0.05	Q	|	|	|	V|
22+35	0.4515	0.05	Q	|	|	|	V|
22+40	0.4518	0.05	Q	|	|	|	V|
22+45	0.4521	0.04	Q	|	|	|	V|
22+50	0.4524	0.04	Q	|	|	|	V|
22+55	0.4527	0.04	Q	|	|	|	V|
23+ 0	0.4530	0.04	Q	|	|	|	V|
23+ 5	0.4533	0.04	Q	|	|	|	V|
23+10	0.4536	0.04	Q	|	|	|	V|
23+15	0.4539	0.04	Q	|	|	|	V|
23+20	0.4542	0.04	Q	|	|	|	V|
23+25	0.4545	0.04	Q	|	|	|	V|
23+30	0.4548	0.04	Q	|	|	|	V|
23+35	0.4552	0.04	Q	|	|	|	V|
23+40	0.4555	0.04	Q	|	|	|	V|
23+45	0.4558	0.04	Q	|	|	|	V|
23+50	0.4561	0.04	Q	|	|	|	V|
23+55	0.4564	0.04	Q	|	|	|	V|
24+ 0	0.4567	0.04	Q	|	|	|	V|
24+ 5	0.4569	0.03	Q	|	|	|	V|
24+10	0.4570	0.01	Q	|	|	|	V|
24+15	0.4570	0.01	Q	|	|	|	V|
24+20	0.4571	0.00	Q	|	|	|	V|
24+25	0.4571	0.00	Q	|	|	|	V|
24+30	0.4571	0.00	Q	|	|	|	V|
24+35	0.4571	0.00	Q	|	|	|	V

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 12/21/21

Program License Serial Number 6406

********** HYDROGRAPH INFORMATION **********

From study/file name: RVPRI242.rte

**********HYDROGRAPH DATA**********

Number of intervals = 290
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.280 (CFS)
Total volume = 3.209 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

RIO VISTA DEVELOPMENT
BASIN I- ROUTING
2YR-24HR

++++++++++

Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 290
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.710	0.360	0.709	0.711
2.000	1.520	0.620	1.518	1.522
3.000	2.440	0.800	2.437	2.443
4.000	3.480	1.790	3.474	3.486
5.000	4.630	26.090	4.540	4.720

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	1.3	2.64	3.96	5.28	Depth (Ft.)
0.083	0.17	0.00	0.001	OI	|	|	|	|	0.00
0.167	0.29	0.00	0.002	OI	|	|	|	|	0.00
0.250	0.31	0.00	0.004	OI	|	|	|	|	0.01
0.333	0.40	0.00	0.007	O I	|	|	|	|	0.01
0.417	0.45	0.00	0.010	O I	|	|	|	|	0.01

0.500	0.47	0.01	0.013	O I	|	|	|	0.02
0.583	0.47	0.01	0.016	O I	|	|	|	0.02
0.667	0.47	0.01	0.019	O I	|	|	|	0.03
0.750	0.47	0.01	0.022	O I	|	|	|	0.03
0.833	0.55	0.01	0.026	O I	|	|	|	0.04
0.917	0.61	0.01	0.029	O I	|	|	|	0.04
1.000	0.62	0.02	0.034	O I	|	|	|	0.05
1.083	0.54	0.02	0.037	O I	|	|	|	0.05
1.167	0.48	0.02	0.041	O I	|	|	|	0.06
1.250	0.47	0.02	0.044	O I	|	|	|	0.06
1.333	0.47	0.02	0.047	O I	|	|	|	0.07
1.417	0.47	0.03	0.050	O I	|	|	|	0.07
1.500	0.47	0.03	0.053	O I	|	|	|	0.07
1.583	0.47	0.03	0.056	O I	|	|	|	0.08
1.667	0.47	0.03	0.059	O I	|	|	|	0.08
1.750	0.47	0.03	0.062	O I	|	|	|	0.09
1.833	0.55	0.03	0.065	O I	|	|	|	0.09
1.917	0.61	0.04	0.069	O I	|	|	|	0.10
2.000	0.62	0.04	0.073	O I	|	|	|	0.10
2.083	0.62	0.04	0.077	O I	|	|	|	0.11
2.167	0.62	0.04	0.081	O I	|	|	|	0.11
2.250	0.62	0.04	0.085	O I	|	|	|	0.12
2.333	0.62	0.05	0.089	O I	|	|	|	0.13
2.417	0.62	0.05	0.093	O I	|	|	|	0.13
2.500	0.62	0.05	0.097	O I	|	|	|	0.14
2.583	0.71	0.05	0.101	O I	|	|	|	0.14
2.667	0.77	0.05	0.106	O I	|	|	|	0.15
2.750	0.78	0.06	0.111	O I	|	|	|	0.16
2.833	0.78	0.06	0.116	O I	|	|	|	0.16
2.917	0.78	0.06	0.121	O I	|	|	|	0.17
3.000	0.78	0.06	0.126	O I	|	|	|	0.18
3.083	0.78	0.07	0.130	O I	|	|	|	0.18
3.167	0.78	0.07	0.135	O I	|	|	|	0.19
3.250	0.78	0.07	0.140	O I	|	|	|	0.20
3.333	0.78	0.07	0.145	O I	|	|	|	0.20
3.417	0.78	0.08	0.150	O I	|	|	|	0.21
3.500	0.78	0.08	0.155	O I	|	|	|	0.22
3.583	0.78	0.08	0.160	O I	|	|	|	0.22
3.667	0.78	0.08	0.164	O I	|	|	|	0.23
3.750	0.78	0.09	0.169	O I	|	|	|	0.24
3.833	0.86	0.09	0.174	O I	|	|	|	0.25
3.917	0.92	0.09	0.180	O I	|	|	|	0.25
4.000	0.93	0.09	0.185	O I	|	|	|	0.26
4.083	0.93	0.10	0.191	O I	|	|	|	0.27
4.167	0.93	0.10	0.197	O I	|	|	|	0.28
4.250	0.93	0.10	0.203	O I	|	|	|	0.29
4.333	1.02	0.11	0.209	O I	|	|	|	0.29
4.417	1.08	0.11	0.215	O I	|	|	|	0.30
4.500	1.09	0.11	0.222	O I	|	|	|	0.31
4.583	1.09	0.12	0.228	O I	|	|	|	0.32
4.667	1.09	0.12	0.235	O I	|	|	|	0.33
4.750	1.09	0.12	0.242	O I	|	|	|	0.34
4.833	1.17	0.13	0.249	O I	|	|	|	0.35
4.917	1.23	0.13	0.256	O I	|	|	|	0.36
5.000	1.24	0.13	0.264	O I	|	|	|	0.37
5.083	1.07	0.14	0.271	O I	|	|	|	0.38
5.167	0.95	0.14	0.277	O I	|	|	|	0.39
5.250	0.93	0.14	0.282	O I	|	|	|	0.40
5.333	1.02	0.15	0.288	O I	|	|	|	0.41
5.417	1.08	0.15	0.294	O I	|	|	|	0.41
5.500	1.09	0.15	0.301	O I	|	|	|	0.42
5.583	1.17	0.16	0.307	O I	|	|	|	0.43
5.667	1.23	0.16	0.314	O I	|	|	|	0.44
5.750	1.24	0.16	0.322	O I	|	|	|	0.45
5.833	1.24	0.17	0.329	|O I	|	|	|	0.46
5.917	1.24	0.17	0.337	|O I	|	|	|	0.47
6.000	1.24	0.17	0.344	|O I	|	|	|	0.48

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 6.083    1.33    0.18      0.352  |O      I       |       |       |     0.50
 6.167    1.39    0.18      0.360  |O      I       |       |       |     0.51
 6.250    1.40    0.19      0.368  |O      I       |       |       |     0.52
 6.333    1.40    0.19      0.376  |O      I       |       |       |     0.53
 6.417    1.40    0.20      0.385  |O      I       |       |       |     0.54
 6.500    1.40    0.20      0.393  |O      I       |       |       |     0.55
 6.583    1.48    0.20      0.402  |O      I       |       |       |     0.57
 6.667    1.54    0.21      0.411  |O      |I      |       |       |     0.58
 6.750    1.55    0.21      0.420  |O      |I      |       |       |     0.59
 6.833    1.55    0.22      0.429  |O      |I      |       |       |     0.60
 6.917    1.55    0.22      0.438  |O      |I      |       |       |     0.62
 7.000    1.55    0.23      0.447  |O      |I      |       |       |     0.63
 7.083    1.55    0.23      0.456  |O      |I      |       |       |     0.64
 7.167    1.55    0.24      0.465  |O      |I      |       |       |     0.66
 7.250    1.55    0.24      0.475  |O      |I      |       |       |     0.67
 7.333    1.64    0.25      0.484  |O      |I      |       |       |     0.68
 7.417    1.70    0.25      0.494  |O      | I     |       |       |     0.70
 7.500    1.71    0.26      0.504  |O      | I     |       |       |     0.71
 7.583    1.79    0.26      0.514  |O      | I     |       |       |     0.72
 7.667    1.85    0.27      0.525  |O      |  I    |       |       |     0.74
 7.750    1.86    0.27      0.536  |O      |  I    |       |       |     0.75
 7.833    1.95    0.28      0.547  |O      |  I    |       |       |     0.77
 7.917    2.01    0.28      0.559  |O      |   I   |       |       |     0.79
 8.000    2.02    0.29      0.570  |O      |   I   |       |       |     0.80
 8.083    2.19    0.30      0.583  |O      |    I  |       |       |     0.82
 8.167    2.31    0.30      0.596  |O      |    I  |       |       |     0.84
 8.250    2.33    0.31      0.610  |O      |     I |       |       |     0.86
 8.333    2.33    0.32      0.624  |O      |     I |       |       |     0.88
 8.417    2.33    0.32      0.638  |O      |     I |       |       |     0.90
 8.500    2.33    0.33      0.652  | O     |     I |       |       |     0.92
 8.583    2.41    0.34      0.666  | O     |     I |       |       |     0.94
 8.667    2.47    0.34      0.680  | O     |     I |       |       |     0.96
 8.750    2.48    0.35      0.695  | O     |      I|       |       |     0.98
 8.833    2.57    0.36      0.710  | O     |      I|       |       |     1.00
 8.917    2.63    0.36      0.725  | O     |      I|       |       |     1.02
 9.000    2.64    0.37      0.741  | O     |      I|       |       |     1.04
 9.083    2.81    0.38      0.757  | O     |       |I      |       |     1.06
 9.167    2.93    0.38      0.774  | O     |       |I      |       |     1.08
 9.250    2.95    0.39      0.792  | O     |       |I      |       |     1.10
 9.333    3.04    0.39      0.810  | O     |       | I     |       |     1.12
 9.417    3.09    0.40      0.828  | O     |       | I     |       |     1.15
 9.500    3.11    0.40      0.847  | O     |       | I     |       |     1.17
 9.583    3.19    0.41      0.866  | O     |       |  I    |       |     1.19
 9.667    3.25    0.42      0.885  | O     |       |  I    |       |     1.22
 9.750    3.26    0.42      0.904  | O     |       |  I    |       |     1.24
 9.833    3.35    0.43      0.924  | O     |       |   I   |       |     1.26
 9.917    3.41    0.44      0.945  | O     |       |   I   |       |     1.29
10.000    3.42    0.44      0.965  | O     |       |   I   |       |     1.31
10.083    2.82    0.45      0.983  | O     |       |I      |       |     1.34
10.167    2.41    0.45      0.998  | O     |     I |       |       |     1.36
10.250    2.33    0.46      1.012  | O     |     I |       |       |     1.37
10.333    2.33    0.46      1.024  | O     |     I |       |       |     1.39
10.417    2.33    0.47      1.037  | O     |     I |       |       |     1.40
10.500    2.33    0.47      1.050  | O     |     I |       |       |     1.42
10.583    2.75    0.47      1.064  | O     |       I       |       |     1.44
10.667    3.05    0.48      1.081  | O     |       | I     |       |     1.46
10.750    3.11    0.48      1.099  | O     |       | I     |       |     1.48
10.833    3.11    0.49      1.117  | O     |       | I     |       |     1.50
10.917    3.11    0.50      1.135  |  O    |       | I     |       |     1.52
11.000    3.11    0.50      1.153  |  O    |       | I     |       |     1.55
11.083    3.02    0.51      1.171  |  O    |       | I     |       |     1.57
11.167    2.96    0.51      1.188  |  O    |       |I      |       |     1.59
11.250    2.95    0.52      1.204  |  O    |       |I      |       |     1.61
11.333    2.95    0.52      1.221  |  O    |       |I      |       |     1.63
11.417    2.95    0.53      1.238  |  O    |       |I      |       |     1.65
11.500    2.95    0.53      1.254  |  O    |       |I      |       |     1.67
11.583    2.78    0.54      1.271  |  O    |       I       |       |     1.69
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11.667	2.66	0.54	1.286	O	I				1.71
11.750	2.64	0.55	1.300	O	I				1.73
11.833	2.72	0.55	1.315	O	I				1.75
11.917	2.78	0.56	1.330	O	I				1.77
12.000	2.80	0.56	1.345	O	I				1.78
12.083	3.39	0.57	1.363	O	I				1.81
12.167	3.80	0.58	1.383	O	I				1.83
12.250	3.88	0.58	1.406	O	I				1.86
12.333	3.97	0.59	1.429	O	I				1.89
12.417	4.03	0.60	1.452	O	I				1.92
12.500	4.04	0.61	1.476	O	I				1.95
12.583	4.21	0.61	1.500	O	I				1.98
12.667	4.33	0.62	1.525	O	I				2.01
12.750	4.35	0.63	1.551	O	I				2.03
12.833	4.43	0.63	1.577	O	I				2.06
12.917	4.49	0.64	1.603	O	I				2.09
13.000	4.50	0.64	1.630	O	I				2.12
13.083	4.93	0.65	1.658	O	I				2.15
13.167	5.22	0.65	1.688	O	I				2.18
13.250	5.28	0.66	1.720	O	I				2.22
13.333	5.28	0.67	1.752	O	I				2.25
13.417	5.28	0.67	1.783	O	I				2.29
13.500	5.28	0.68	1.815	O	I				2.32
13.583	4.35	0.68	1.844	O	I				2.35
13.667	3.70	0.69	1.867	O	I				2.38
13.750	3.57	0.69	1.887	O	I				2.40
13.833	3.57	0.70	1.907	O	I				2.42
13.917	3.57	0.70	1.926	O	I				2.44
14.000	3.57	0.70	1.946	O	I				2.46
14.083	3.91	0.71	1.967	O	I				2.49
14.167	4.15	0.71	1.990	O	I				2.51
14.250	4.19	0.72	2.014	O	I				2.54
14.333	4.11	0.72	2.037	O	I				2.56
14.417	4.05	0.73	2.061	O	I				2.59
14.500	4.04	0.73	2.083	O	I				2.61
14.583	4.04	0.73	2.106	O	I				2.64
14.667	4.04	0.74	2.129	O	I				2.66
14.750	4.04	0.74	2.152	O	I				2.69
14.833	3.95	0.75	2.174	O	I				2.71
14.917	3.89	0.75	2.196	O	I				2.73
15.000	3.88	0.76	2.217	O	I				2.76
15.083	3.80	0.76	2.239	O	I				2.78
15.167	3.74	0.76	2.259	O	I				2.80
15.250	3.73	0.77	2.280	O	I				2.83
15.333	3.64	0.77	2.300	O	I				2.85
15.417	3.58	0.78	2.319	O	I				2.87
15.500	3.57	0.78	2.339	O	I				2.89
15.583	3.23	0.78	2.357	O	I				2.91
15.667	3.00	0.79	2.373	O	I				2.93
15.750	2.95	0.79	2.388	O	I				2.94
15.833	2.95	0.79	2.403	O	I				2.96
15.917	2.95	0.80	2.417	O	I				2.98
16.000	2.95	0.80	2.432	O	I				2.99
16.083	1.68	0.80	2.443	O	I				3.00
16.167	0.79	0.81	2.446	O					3.01
16.250	0.62	**0.80**	**2.445**	**IO**					**3.00**
16.333	0.62	0.80	2.444	IO					3.00
16.417	0.62	0.80	2.443	IO					3.00
16.500	0.62	0.80	2.441	IO					3.00
16.583	0.54	0.80	2.440	IO					3.00
16.667	0.48	0.80	2.438	I O					3.00
16.750	0.47	0.80	2.435	I O					3.00
16.833	0.47	0.80	2.433	I O					2.99
16.917	0.47	0.80	2.431	I O					2.99
17.000	0.47	0.80	2.429	I O					2.99
17.083	0.63	0.80	2.427	IO					2.99
17.167	0.75	0.80	2.426	O					2.98

17.250	0.78	0.80	2.426	O				2.98
17.333	0.78	0.80	2.426	O				2.98
17.417	0.78	0.80	2.426	O				2.98
17.500	0.78	0.80	2.426	O				2.98
17.583	0.78	0.80	2.425	O				2.98
17.667	0.78	0.80	2.425	O				2.98
17.750	0.78	0.80	2.425	O				2.98
17.833	0.69	0.80	2.425	O				2.98
17.917	0.63	0.80	2.424	IO				2.98
18.000	0.62	0.80	2.423	IO				2.98
18.083	0.62	0.80	2.421	IO				2.98
18.167	0.62	0.80	2.420	IO				2.98
18.250	0.62	0.80	2.419	IO				2.98
18.333	0.62	0.80	2.418	IO				2.98
18.417	0.62	0.80	2.417	IO				2.97
18.500	0.62	0.80	2.415	IO				2.97
18.583	0.54	0.79	2.414	IO				2.97
18.667	0.48	0.79	2.412	I O				2.97
18.750	0.47	0.79	2.410	I O				2.97
18.833	0.38	0.79	2.407	I O				2.96
18.917	0.32	0.79	2.404	I O				2.96
19.000	0.31	0.79	2.401	I O				2.96
19.083	0.40	0.79	2.398	I O				2.95
19.167	0.45	0.79	2.395	I O				2.95
19.250	0.47	0.79	2.393	I O				2.95
19.333	0.55	0.79	2.391	IO				2.95
19.417	0.61	0.79	2.390	IO				2.95
19.500	0.62	0.79	2.388	IO				2.94
19.583	0.54	0.79	2.387	IO				2.94
19.667	0.48	0.79	2.385	I O				2.94
19.750	0.47	0.79	2.383	I O				2.94
19.833	0.38	0.79	2.380	I O				2.94
19.917	0.32	0.79	2.377	I O				2.93
20.000	0.31	0.79	2.374	I O				2.93
20.083	0.40	0.79	2.371	I O				2.93
20.167	0.45	0.79	2.369	I O				2.92
20.250	0.47	0.79	2.366	I O				2.92
20.333	0.47	0.79	2.364	I O				2.92
20.417	0.47	0.78	2.362	I O				2.92
20.500	0.47	0.78	2.360	I O				2.91
20.583	0.47	0.78	2.358	I O				2.91
20.667	0.47	0.78	2.355	I O				2.91
20.750	0.47	0.78	2.353	I O				2.91
20.833	0.38	0.78	2.351	I O				2.90
20.917	0.32	0.78	2.348	I O				2.90
21.000	0.31	0.78	2.345	I O				2.90
21.083	0.40	0.78	2.342	I O				2.89
21.167	0.45	0.78	2.339	I O				2.89
21.250	0.47	0.78	2.337	I O				2.89
21.333	0.38	0.78	2.334	I O				2.89
21.417	0.32	0.78	2.332	I O				2.88
21.500	0.31	0.78	2.328	I O				2.88
21.583	0.40	0.78	2.325	I O				2.88
21.667	0.45	0.78	2.323	I O				2.87
21.750	0.47	0.78	2.321	I O				2.87
21.833	0.38	0.78	2.318	I O				2.87
21.917	0.32	0.78	2.315	I O				2.86
22.000	0.31	0.78	2.312	I O				2.86
22.083	0.40	0.77	2.309	I O				2.86
22.167	0.45	0.77	2.307	I O				2.86
22.250	0.47	0.77	2.305	I O				2.85
22.333	0.38	0.77	2.302	I O				2.85
22.417	0.32	0.77	2.300	I O				2.85
22.500	0.31	0.77	2.296	I O				2.84
22.583	0.31	0.77	2.293	I O				2.84
22.667	0.31	0.77	2.290	I O				2.84
22.750	0.31	0.77	2.287	I O				2.83

22.833	0.31	0.77	2.284	I O				2.83
22.917	0.31	0.77	2.281	I O				2.83
23.000	0.31	0.77	2.277	I O				2.82
23.083	0.31	0.77	2.274	I O				2.82
23.167	0.31	0.77	2.271	I O				2.82
23.250	0.31	0.77	2.268	I O				2.81
23.333	0.31	0.77	2.265	I O				2.81
23.417	0.31	0.77	2.262	I O				2.81
23.500	0.31	0.76	2.259	I O				2.80
23.583	0.31	0.76	2.255	I O				2.80
23.667	0.31	0.76	2.252	I O				2.80
23.750	0.31	0.76	2.249	I O				2.79
23.833	0.31	0.76	2.246	I O				2.79
23.917	0.31	0.76	2.243	I O				2.79
24.000	0.31	0.76	2.240	I O				2.78
24.083	0.14	0.76	2.236	I O				2.78
24.167	0.02	0.76	2.232	I O				2.77
24.250	0.00	0.76	2.226	I O				2.77
24.333	0.00	0.76	2.221	I O				2.76
24.417	0.00	0.76	2.216	I O				2.76
24.500	0.00	0.76	2.211	I O				2.75
24.583	0.00	0.75	2.206	I O				2.75
24.667	0.00	0.75	2.200	I O				2.74
24.750	0.00	0.75	2.195	I O				2.73
24.833	0.00	0.75	2.190	I O				2.73
24.917	0.00	0.75	2.185	I O				2.72
25.000	0.00	0.75	2.180	I O				2.72
25.083	0.00	0.75	2.175	I O				2.71
25.167	0.00	0.75	2.169	I O				2.71
25.250	0.00	0.75	2.164	I O				2.70
25.333	0.00	0.75	2.159	I O				2.69
25.417	0.00	0.74	2.154	I O				2.69
25.500	0.00	0.74	2.149	I O				2.68
25.583	0.00	0.74	2.144	I O				2.68
25.667	0.00	0.74	2.139	I O				2.67
25.750	0.00	0.74	2.134	I O				2.67
25.833	0.00	0.74	2.128	I O				2.66
25.917	0.00	0.74	2.123	I O				2.66
26.000	0.00	0.74	2.118	I O				2.65
26.083	0.00	0.74	2.113	I O				2.64
26.167	0.00	0.74	2.108	I O				2.64
26.250	0.00	0.73	2.103	I O				2.63
26.333	0.00	0.73	2.098	I O				2.63
26.417	0.00	0.73	2.093	I O				2.62
26.500	0.00	0.73	2.088	I O				2.62
26.583	0.00	0.73	2.083	I O				2.61
26.667	0.00	0.73	2.078	I O				2.61
26.750	0.00	0.73	2.073	I O				2.60
26.833	0.00	0.73	2.068	I O				2.60
26.917	0.00	0.73	2.063	I O				2.59
27.000	0.00	0.73	2.058	I O				2.58
27.083	0.00	0.72	2.053	I O				2.58
27.167	0.00	0.72	2.048	I O				2.57
27.250	0.00	0.72	2.043	I O				2.57
27.333	0.00	0.72	2.038	I O				2.56
27.417	0.00	0.72	2.033	I O				2.56
27.500	0.00	0.72	2.028	I O				2.55
27.583	0.00	0.72	2.023	I O				2.55
27.667	0.00	0.72	2.018	I O				2.54
27.750	0.00	0.72	2.013	I O				2.54
27.833	0.00	0.72	2.008	I O				2.53
27.917	0.00	0.71	2.003	I O				2.53
28.000	0.00	0.71	1.998	I O				2.52
28.083	0.00	0.71	1.993	I O				2.51
28.167	0.00	0.71	1.989	I O				2.51
28.250	0.00	0.71	1.984	I O				2.50
28.333	0.00	0.71	1.979	I O				2.50

28.417	0.00	0.71	1.974	I	O	|	|	|	|	2.49
28.500	0.00	0.71	1.969	I	O	|	|	|	|	2.49
28.583	0.00	0.71	1.964	I	O	|	|	|	|	2.48
28.667	0.00	0.71	1.959	I	O	|	|	|	|	2.48
28.750	0.00	0.70	1.954	I	O	|	|	|	|	2.47
28.833	0.00	0.70	1.950	I	O	|	|	|	|	2.47
28.917	0.00	0.70	1.945	I	O	|	|	|	|	2.46
29.000	0.00	0.70	1.940	I	O	|	|	|	|	2.46
29.083	0.00	0.70	1.935	I	O	|	|	|	|	2.45
29.167	0.00	0.70	1.930	I	O	|	|	|	|	2.45
29.250	0.00	0.70	1.925	I	O	|	|	|	|	2.44
29.333	0.00	0.70	1.921	I	O	|	|	|	|	2.44
29.417	0.00	0.70	1.916	I	O	|	|	|	|	2.43
29.500	0.00	0.70	1.911	I	O	|	|	|	|	2.42
29.583	0.00	0.70	1.906	I	O	|	|	|	|	2.42
29.667	0.00	0.69	1.901	I	O	|	|	|	|	2.41
29.750	0.00	0.69	1.897	I	O	|	|	|	|	2.41
29.833	0.00	0.69	1.892	I	O	|	|	|	|	2.40
29.917	0.00	0.69	1.887	I	O	|	|	|	|	2.40
30.000	0.00	0.69	1.882	I	O	|	|	|	|	2.39
30.083	0.00	0.69	1.878	I	O	|	|	|	|	2.39
30.167	0.00	0.69	1.873	I	O	|	|	|	|	2.38
30.250	0.00	0.69	1.868	I	O	|	|	|	|	2.38
30.333	0.00	0.69	1.863	I	O	|	|	|	|	2.37
30.417	0.00	0.69	1.859	I	O	|	|	|	|	2.37
30.500	0.00	0.69	1.854	I	O	|	|	|	|	2.36
30.583	0.00	0.68	1.849	I	O	|	|	|	|	2.36
30.667	0.00	0.68	1.844	I	O	|	|	|	|	2.35
30.750	0.00	0.68	1.840	I	O	|	|	|	|	2.35
30.833	0.00	0.68	1.835	I	O	|	|	|	|	2.34
30.917	0.00	0.68	1.830	I	O	|	|	|	|	2.34
31.000	0.00	0.68	1.826	I	O	|	|	|	|	2.33
31.083	0.00	0.68	1.821	I	O	|	|	|	|	2.33
31.167	0.00	0.68	1.816	I	O	|	|	|	|	2.32
31.250	0.00	0.68	1.812	I	O	|	|	|	|	2.32
31.333	0.00	0.68	1.807	I	O	|	|	|	|	2.31
31.417	0.00	0.68	1.802	I	O	|	|	|	|	2.31
31.500	0.00	0.67	1.798	I	O	|	|	|	|	2.30
31.583	0.00	0.67	1.793	I	O	|	|	|	|	2.30
31.667	0.00	0.67	1.788	I	O	|	|	|	|	2.29
31.750	0.00	0.67	1.784	I	O	|	|	|	|	2.29
31.833	0.00	0.67	1.779	I	O	|	|	|	|	2.28
31.917	0.00	0.67	1.775	I	O	|	|	|	|	2.28
32.000	0.00	0.67	1.770	I	O	|	|	|	|	2.27
32.083	0.00	0.67	1.765	I	O	|	|	|	|	2.27
32.167	0.00	0.67	1.761	I	O	|	|	|	|	2.26
32.250	0.00	0.67	1.756	I	O	|	|	|	|	2.26
32.333	0.00	0.67	1.752	I	O	|	|	|	|	2.25
32.417	0.00	0.66	1.747	I	O	|	|	|	|	2.25
32.500	0.00	0.66	1.742	I	O	|	|	|	|	2.24
32.583	0.00	0.66	1.738	I	O	|	|	|	|	2.24
32.667	0.00	0.66	1.733	I	O	|	|	|	|	2.23
32.750	0.00	0.66	1.729	I	O	|	|	|	|	2.23
32.833	0.00	0.66	1.724	I	O	|	|	|	|	2.22
32.917	0.00	0.66	1.720	I	O	|	|	|	|	2.22
33.000	0.00	0.66	1.715	I	O	|	|	|	|	2.21
33.083	0.00	0.66	1.711	I	O	|	|	|	|	2.21
33.167	0.00	0.66	1.706	I	O	|	|	|	|	2.20
33.250	0.00	0.66	1.702	I	O	|	|	|	|	2.20
33.333	0.00	0.65	1.697	I	O	|	|	|	|	2.19
33.417	0.00	0.65	1.693	I	O	|	|	|	|	2.19
33.500	0.00	0.65	1.688	I	O	|	|	|	|	2.18
33.583	0.00	0.65	1.684	I	O	|	|	|	|	2.18
33.667	0.00	0.65	1.679	I	O	|	|	|	|	2.17
33.750	0.00	0.65	1.675	I	O	|	|	|	|	2.17
33.833	0.00	0.65	1.670	I	O	|	|	|	|	2.16
33.917	0.00	0.65	1.666	I	O	|	|	|	|	2.16

34.000	0.00	0.65	1.661	I	O	|	|	|	|	2.15
34.083	0.00	0.65	1.657	I	O	|	|	|	|	2.15
34.167	0.00	0.65	1.652	I	O	|	|	|	|	2.14
34.250	0.00	0.65	1.648	I	O	|	|	|	|	2.14
34.333	0.00	0.64	1.643	I	O	|	|	|	|	2.13
34.417	0.00	0.64	1.639	I	O	|	|	|	|	2.13
34.500	0.00	0.64	1.634	I	O	|	|	|	|	2.12
34.583	0.00	0.64	1.630	I	O	|	|	|	|	2.12
34.667	0.00	0.64	1.626	I	O	|	|	|	|	2.11
34.750	0.00	0.64	1.621	I	O	|	|	|	|	2.11
34.833	0.00	0.64	1.617	I	O	|	|	|	|	2.11
34.917	0.00	0.64	1.612	I	O	|	|	|	|	2.10
35.000	0.00	0.64	1.608	I	O	|	|	|	|	2.10
35.083	0.00	0.64	1.604	I	O	|	|	|	|	2.09
35.167	0.00	0.64	1.599	I	O	|	|	|	|	2.09
35.250	0.00	0.63	1.595	I	O	|	|	|	|	2.08
35.333	0.00	0.63	1.591	I	O	|	|	|	|	2.08
35.417	0.00	0.63	1.586	I	O	|	|	|	|	2.07
35.500	0.00	0.63	1.582	I	O	|	|	|	|	2.07
35.583	0.00	0.63	1.577	I	O	|	|	|	|	2.06
35.667	0.00	0.63	1.573	I	O	|	|	|	|	2.06
35.750	0.00	0.63	1.569	I	O	|	|	|	|	2.05
35.833	0.00	0.63	1.564	I	O	|	|	|	|	2.05
35.917	0.00	0.63	1.560	I	O	|	|	|	|	2.04
36.000	0.00	0.63	1.556	I	O	|	|	|	|	2.04
36.083	0.00	0.63	1.552	I	O	|	|	|	|	2.03
36.167	0.00	0.63	1.547	I	O	|	|	|	|	2.03
36.250	0.00	0.62	1.543	I	O	|	|	|	|	2.02
36.333	0.00	0.62	1.539	I	O	|	|	|	|	2.02
36.417	0.00	0.62	1.534	I	O	|	|	|	|	2.02
36.500	0.00	0.62	1.530	I	O	|	|	|	|	2.01
36.583	0.00	0.62	1.526	I	O	|	|	|	|	2.01
36.667	0.00	0.62	1.521	I	O	|	|	|	|	2.00
36.750	0.00	0.62	1.517	I	O	|	|	|	|	2.00
36.833	0.00	0.62	1.513	I	O	|	|	|	|	1.99
36.917	0.00	0.62	1.509	I	O	|	|	|	|	1.99
37.000	0.00	0.62	1.504	I	O	|	|	|	|	1.98
37.083	0.00	0.61	1.500	I	O	|	|	|	|	1.98
37.167	0.00	0.61	1.496	I	O	|	|	|	|	1.97
37.250	0.00	0.61	1.492	I	O	|	|	|	|	1.97
37.333	0.00	0.61	1.488	I	O	|	|	|	|	1.96
37.417	0.00	0.61	1.483	I	O	|	|	|	|	1.95
37.500	0.00	0.61	1.479	I	O	|	|	|	|	1.95
37.583	0.00	0.61	1.475	I	O	|	|	|	|	1.94
37.667	0.00	0.60	1.471	I	O	|	|	|	|	1.94
37.750	0.00	0.60	1.467	I	O	|	|	|	|	1.93
37.833	0.00	0.60	1.463	I	O	|	|	|	|	1.93
37.917	0.00	0.60	1.458	I	O	|	|	|	|	1.92
38.000	0.00	0.60	1.454	I	O	|	|	|	|	1.92
38.083	0.00	0.60	1.450	I	O	|	|	|	|	1.91
38.167	0.00	0.60	1.446	I	O	|	|	|	|	1.91
38.250	0.00	0.59	1.442	I	O	|	|	|	|	1.90
38.333	0.00	0.59	1.438	I	O	|	|	|	|	1.90
38.417	0.00	0.59	1.434	I	O	|	|	|	|	1.89
38.500	0.00	0.59	1.430	I	O	|	|	|	|	1.89
38.583	0.00	0.59	1.426	I	O	|	|	|	|	1.88
38.667	0.00	0.59	1.422	I	O	|	|	|	|	1.88
38.750	0.00	0.59	1.418	I	O	|	|	|	|	1.87
38.833	0.00	0.59	1.413	I	O	|	|	|	|	1.87
38.917	0.00	0.58	1.409	I	O	|	|	|	|	1.86
39.000	0.00	0.58	1.405	I	O	|	|	|	|	1.86
39.083	0.00	0.58	1.401	I	O	|	|	|	|	1.85
39.167	0.00	0.58	1.397	I	O	|	|	|	|	1.85
39.250	0.00	0.58	1.393	I	O	|	|	|	|	1.84
39.333	0.00	0.58	1.389	I	O	|	|	|	|	1.84
39.417	0.00	0.58	1.385	I	O	|	|	|	|	1.83
39.500	0.00	0.58	1.381	I	O	|	|	|	|	1.83

39.583	0.00	0.57	1.378	I	O	|	|	|	|	1.82
39.667	0.00	0.57	1.374	I	O	|	|	|	|	1.82
39.750	0.00	0.57	1.370	I	O	|	|	|	|	1.81
39.833	0.00	0.57	1.366	I	O	|	|	|	|	1.81
39.917	0.00	0.57	1.362	I	O	|	|	|	|	1.80
40.000	0.00	0.57	1.358	I	O	|	|	|	|	1.80
40.083	0.00	0.57	1.354	I	O	|	|	|	|	1.80
40.167	0.00	0.57	1.350	I	O	|	|	|	|	1.79
40.250	0.00	0.56	1.346	I	O	|	|	|	|	1.79
40.333	0.00	0.56	1.342	I	O	|	|	|	|	1.78
40.417	0.00	0.56	1.338	I	O	|	|	|	|	1.78
40.500	0.00	0.56	1.335	I	O	|	|	|	|	1.77
40.583	0.00	0.56	1.331	I	O	|	|	|	|	1.77
40.667	0.00	0.56	1.327	I	O	|	|	|	|	1.76
40.750	0.00	0.56	1.323	I	O	|	|	|	|	1.76
40.833	0.00	0.56	1.319	I	O	|	|	|	|	1.75
40.917	0.00	0.55	1.315	I	O	|	|	|	|	1.75
41.000	0.00	0.55	1.312	I	O	|	|	|	|	1.74
41.083	0.00	0.55	1.308	I	O	|	|	|	|	1.74
41.167	0.00	0.55	1.304	I	O	|	|	|	|	1.73
41.250	0.00	0.55	1.300	I	O	|	|	|	|	1.73
41.333	0.00	0.55	1.296	I	O	|	|	|	|	1.72
41.417	0.00	0.55	1.293	I	O	|	|	|	|	1.72
41.500	0.00	0.55	1.289	I	O	|	|	|	|	1.71
41.583	0.00	0.54	1.285	I	O	|	|	|	|	1.71
41.667	0.00	0.54	1.281	I	O	|	|	|	|	1.71
41.750	0.00	0.54	1.278	I	O	|	|	|	|	1.70
41.833	0.00	0.54	1.274	I	O	|	|	|	|	1.70
41.917	0.00	0.54	1.270	I	O	|	|	|	|	1.69
42.000	0.00	0.54	1.266	I	O	|	|	|	|	1.69
42.083	0.00	0.54	1.263	I	O	|	|	|	|	1.68
42.167	0.00	0.54	1.259	I	O	|	|	|	|	1.68
42.250	0.00	0.54	1.255	I	O	|	|	|	|	1.67
42.333	0.00	0.53	1.252	I	O	|	|	|	|	1.67
42.417	0.00	0.53	1.248	I	O	|	|	|	|	1.66
42.500	0.00	0.53	1.244	I	O	|	|	|	|	1.66
42.583	0.00	0.53	1.241	I	O	|	|	|	|	1.66
42.667	0.00	0.53	1.237	I	O	|	|	|	|	1.65
42.750	0.00	0.53	1.233	I	O	|	|	|	|	1.65
42.833	0.00	0.53	1.230	I	O	|	|	|	|	1.64
42.917	0.00	0.53	1.226	I	O	|	|	|	|	1.64
43.000	0.00	0.52	1.223	I	O	|	|	|	|	1.63
43.083	0.00	0.52	1.219	I	O	|	|	|	|	1.63
43.167	0.00	0.52	1.215	I	O	|	|	|	|	1.62
43.250	0.00	0.52	1.212	I	O	|	|	|	|	1.62
43.333	0.00	0.52	1.208	I	O	|	|	|	|	1.61
43.417	0.00	0.52	1.205	I	O	|	|	|	|	1.61
43.500	0.00	0.52	1.201	I	O	|	|	|	|	1.61
43.583	0.00	0.52	1.197	I	O	|	|	|	|	1.60
43.667	0.00	0.52	1.194	I	O	|	|	|	|	1.60
43.750	0.00	0.51	1.190	I	O	|	|	|	|	1.59
43.833	0.00	0.51	1.187	I	O	|	|	|	|	1.59
43.917	0.00	0.51	1.183	I	O	|	|	|	|	1.58
44.000	0.00	0.51	1.180	I	O	|	|	|	|	1.58
44.083	0.00	0.51	1.176	I	O	|	|	|	|	1.58
44.167	0.00	0.51	1.173	I	O	|	|	|	|	1.57
44.250	0.00	0.51	1.169	I	O	|	|	|	|	1.57
44.333	0.00	0.51	1.166	I	O	|	|	|	|	1.56
44.417	0.00	0.51	1.162	I	O	|	|	|	|	1.56
44.500	0.00	0.50	1.159	I	O	|	|	|	|	1.55
44.583	0.00	0.50	1.155	I	O	|	|	|	|	1.55
44.667	0.00	0.50	1.152	I	O	|	|	|	|	1.55
44.750	0.00	0.50	1.148	I	O	|	|	|	|	1.54
44.833	0.00	0.50	1.145	I	O	|	|	|	|	1.54
44.917	0.00	0.50	1.142	I	O	|	|	|	|	1.53
45.000	0.00	0.50	1.138	I	O	|	|	|	|	1.53
45.083	0.00	0.50	1.135	I	O	|	|	|	|	1.52

45.167	0.00	0.50	1.131	I O	|	|	|	1.52
45.250	0.00	0.49	1.128	I O	|	|	|	1.52
45.333	0.00	0.49	1.124	I O	|	|	|	1.51
45.417	0.00	0.49	1.121	I O	|	|	|	1.51
45.500	0.00	0.49	1.118	I O	|	|	|	1.50
45.583	0.00	0.49	1.114	I O	|	|	|	1.50
45.667	0.00	0.49	1.111	I O	|	|	|	1.49
45.750	0.00	0.49	1.108	I O	|	|	|	1.49
45.833	0.00	0.49	1.104	I O	|	|	|	1.49
45.917	0.00	0.49	1.101	I O	|	|	|	1.48
46.000	0.00	0.48	1.098	I O	|	|	|	1.48
46.083	0.00	0.48	1.094	I O	|	|	|	1.47
46.167	0.00	0.48	1.091	I O	|	|	|	1.47
46.250	0.00	0.48	1.088	I O	|	|	|	1.47
46.333	0.00	0.48	1.084	I O	|	|	|	1.46
46.417	0.00	0.48	1.081	I O	|	|	|	1.46
46.500	0.00	0.48	1.078	I O	|	|	|	1.45
46.583	0.00	0.48	1.074	I O	|	|	|	1.45
46.667	0.00	0.48	1.071	I O	|	|	|	1.45
46.750	0.00	0.47	1.068	I O	|	|	|	1.44
46.833	0.00	0.47	1.065	I O	|	|	|	1.44
46.917	0.00	0.47	1.061	I O	|	|	|	1.43
47.000	0.00	0.47	1.058	I O	|	|	|	1.43
47.083	0.00	0.47	1.055	I O	|	|	|	1.43
47.167	0.00	0.47	1.052	I O	|	|	|	1.42
47.250	0.00	0.47	1.048	I O	|	|	|	1.42
47.333	0.00	0.47	1.045	I O	|	|	|	1.41
47.417	0.00	0.47	1.042	I O	|	|	|	1.41
47.500	0.00	0.47	1.039	I O	|	|	|	1.41
47.583	0.00	0.46	1.035	I O	|	|	|	1.40
47.667	0.00	0.46	1.032	I O	|	|	|	1.40
47.750	0.00	0.46	1.029	I O	|	|	|	1.39
47.833	0.00	0.46	1.026	I O	|	|	|	1.39
47.917	0.00	0.46	1.023	I O	|	|	|	1.39
48.000	0.00	0.46	1.020	I O	|	|	|	1.38
48.083	0.00	0.46	1.016	I O	|	|	|	1.38
48.167	0.00	0.46	1.013	I O	|	|	|	1.37
48.250	0.00	0.46	1.010	I O	|	|	|	1.37
48.333	0.00	0.46	1.007	I O	|	|	|	1.37
48.417	0.00	0.45	1.004	I O	|	|	|	1.36
48.500	0.00	0.45	1.001	I O	|	|	|	1.36
48.583	0.00	0.45	0.998	I O	|	|	|	1.36
48.667	0.00	0.45	0.994	I O	|	|	|	1.35
48.750	0.00	0.45	0.991	I O	|	|	|	1.35
48.833	0.00	0.45	0.988	I O	|	|	|	1.34
48.917	0.00	0.45	0.985	I O	|	|	|	1.34
49.000	0.00	0.45	0.982	I O	|	|	|	1.34
49.083	0.00	0.45	0.979	I O	|	|	|	1.33
49.167	0.00	0.45	0.976	I O	|	|	|	1.33
49.250	0.00	0.44	0.973	I O	|	|	|	1.32
49.333	0.00	0.44	0.970	I O	|	|	|	1.32
49.417	0.00	0.44	0.967	I O	|	|	|	1.32
49.500	0.00	0.44	0.964	I O	|	|	|	1.31
49.583	0.00	0.44	0.961	I O	|	|	|	1.31
49.667	0.00	0.44	0.958	I O	|	|	|	1.31
49.750	0.00	0.44	0.955	I O	|	|	|	1.30
49.833	0.00	0.44	0.952	I O	|	|	|	1.30
49.917	0.00	0.44	0.949	I O	|	|	|	1.29
50.000	0.00	0.44	0.946	I O	|	|	|	1.29
50.083	0.00	0.43	0.943	I O	|	|	|	1.29
50.167	0.00	0.43	0.940	I O	|	|	|	1.28
50.250	0.00	0.43	0.937	I O	|	|	|	1.28
50.333	0.00	0.43	0.934	I O	|	|	|	1.28
50.417	0.00	0.43	0.931	I O	|	|	|	1.27
50.500	0.00	0.43	0.928	I O	|	|	|	1.27
50.583	0.00	0.43	0.925	I O	|	|	|	1.27
50.667	0.00	0.43	0.922	I O	|	|	|	1.26

50.750	0.00	0.43	0.919	I O	|	|	|	| 1.26
50.833	0.00	0.43	0.916	I O	|	|	|	| 1.25
50.917	0.00	0.43	0.913	I O	|	|	|	| 1.25
51.000	0.00	0.42	0.910	I O	|	|	|	| 1.25
51.083	0.00	0.42	0.907	I O	|	|	|	| 1.24
51.167	0.00	0.42	0.904	I O	|	|	|	| 1.24
51.250	0.00	0.42	0.901	I O	|	|	|	| 1.24
51.333	0.00	0.42	0.898	I O	|	|	|	| 1.23
51.417	0.00	0.42	0.896	I O	|	|	|	| 1.23
51.500	0.00	0.42	0.893	I O	|	|	|	| 1.23
51.583	0.00	0.42	0.890	I O	|	|	|	| 1.22
51.667	0.00	0.42	0.887	I O	|	|	|	| 1.22
51.750	0.00	0.42	0.884	I O	|	|	|	| 1.21
51.833	0.00	0.41	0.881	I O	|	|	|	| 1.21
51.917	0.00	0.41	0.878	I O	|	|	|	| 1.21
52.000	0.00	0.41	0.875	I O	|	|	|	| 1.20
52.083	0.00	0.41	0.873	I O	|	|	|	| 1.20
52.167	0.00	0.41	0.870	I O	|	|	|	| 1.20
52.250	0.00	0.41	0.867	I O	|	|	|	| 1.19
52.333	0.00	0.41	0.864	I O	|	|	|	| 1.19
52.417	0.00	0.41	0.861	I O	|	|	|	| 1.19
52.500	0.00	0.41	0.858	I O	|	|	|	| 1.18
52.583	0.00	0.41	0.856	I O	|	|	|	| 1.18
52.667	0.00	0.41	0.853	I O	|	|	|	| 1.18
52.750	0.00	0.40	0.850	I O	|	|	|	| 1.17
52.833	0.00	0.40	0.847	I O	|	|	|	| 1.17
52.917	0.00	0.40	0.845	I O	|	|	|	| 1.17
53.000	0.00	0.40	0.842	I O	|	|	|	| 1.16
53.083	0.00	0.40	0.839	I O	|	|	|	| 1.16
53.167	0.00	0.40	0.836	I O	|	|	|	| 1.16
53.250	0.00	0.40	0.833	I O	|	|	|	| 1.15
53.333	0.00	0.40	0.831	I O	|	|	|	| 1.15
53.417	0.00	0.40	0.828	I O	|	|	|	| 1.15
53.500	0.00	0.40	0.825	I O	|	|	|	| 1.14
53.583	0.00	0.40	0.823	I O	|	|	|	| 1.14
53.667	0.00	0.40	0.820	I O	|	|	|	| 1.14
53.750	0.00	0.39	0.817	I O	|	|	|	| 1.13
53.833	0.00	0.39	0.814	I O	|	|	|	| 1.13
53.917	0.00	0.39	0.812	I O	|	|	|	| 1.13
54.000	0.00	0.39	0.809	I O	|	|	|	| 1.12
54.083	0.00	0.39	0.806	I O	|	|	|	| 1.12
54.167	0.00	0.39	0.804	I O	|	|	|	| 1.12
54.250	0.00	0.39	0.801	I O	|	|	|	| 1.11
54.333	0.00	0.39	0.798	I O	|	|	|	| 1.11
54.417	0.00	0.39	0.796	I O	|	|	|	| 1.11
54.500	0.00	0.39	0.793	I O	|	|	|	| 1.10
54.583	0.00	0.39	0.790	I O	|	|	|	| 1.10
54.667	0.00	0.38	0.788	I O	|	|	|	| 1.10
54.750	0.00	0.38	0.785	I O	|	|	|	| 1.09
54.833	0.00	0.38	0.782	I O	|	|	|	| 1.09
54.917	0.00	0.38	0.780	I O	|	|	|	| 1.09
55.000	0.00	0.38	0.777	I O	|	|	|	| 1.08
55.083	0.00	0.38	0.774	I O	|	|	|	| 1.08
55.167	0.00	0.38	0.772	I O	|	|	|	| 1.08
55.250	0.00	0.38	0.769	I O	|	|	|	| 1.07
55.333	0.00	0.38	0.767	I O	|	|	|	| 1.07
55.417	0.00	0.38	0.764	I O	|	|	|	| 1.07
55.500	0.00	0.38	0.761	I O	|	|	|	| 1.06
55.583	0.00	0.38	0.759	I O	|	|	|	| 1.06
55.667	0.00	0.37	0.756	I O	|	|	|	| 1.06
55.750	0.00	0.37	0.754	I O	|	|	|	| 1.05
55.833	0.00	0.37	0.751	I O	|	|	|	| 1.05
55.917	0.00	0.37	0.748	I O	|	|	|	| 1.05
56.000	0.00	0.37	0.746	I O	|	|	|	| 1.04
56.083	0.00	0.37	0.743	I O	|	|	|	| 1.04
56.167	0.00	0.37	0.741	I O	|	|	|	| 1.04
56.250	0.00	0.37	0.738	I O	|	|	|	| 1.03

56.333	0.00	0.37	0.736	I O	|	|	|	1.03
56.417	0.00	0.37	0.733	I O	|	|	|	1.03
56.500	0.00	0.37	0.731	I O	|	|	|	1.03
56.583	0.00	0.37	0.728	I O	|	|	|	1.02
56.667	0.00	0.37	0.726	I O	|	|	|	1.02
56.750	0.00	0.36	0.723	I O	|	|	|	1.02
56.833	0.00	0.36	0.721	I O	|	|	|	1.01
56.917	0.00	0.36	0.718	I O	|	|	|	1.01
57.000	0.00	0.36	0.716	I O	|	|	|	1.01
57.083	0.00	0.36	0.713	I O	|	|	|	1.00
57.167	0.00	0.36	0.711	I O	|	|	|	1.00
57.250	0.00	0.36	0.708	I O	|	|	|	1.00
57.333	0.00	0.36	0.706	I O	|	|	|	0.99
57.417	0.00	0.36	0.703	I O	|	|	|	0.99
57.500	0.00	0.36	0.701	I O	|	|	|	0.99
57.583	0.00	0.35	0.698	I O	|	|	|	0.98
57.667	0.00	0.35	0.696	I O	|	|	|	0.98
57.750	0.00	0.35	0.693	I O	|	|	|	0.98
57.833	0.00	0.35	0.691	I O	|	|	|	0.97
57.917	0.00	0.35	0.689	I O	|	|	|	0.97
58.000	0.00	0.35	0.686	I O	|	|	|	0.97
58.083	0.00	0.35	0.684	I O	|	|	|	0.96
58.167	0.00	0.35	0.681	I O	|	|	|	0.96
58.250	0.00	0.34	0.679	I O	|	|	|	0.96
58.333	0.00	0.34	0.677	I O	|	|	|	0.95
58.417	0.00	0.34	0.674	I O	|	|	|	0.95
58.500	0.00	0.34	0.672	I O	|	|	|	0.95
58.583	0.00	0.34	0.670	I O	|	|	|	0.94
58.667	0.00	0.34	0.667	I O	|	|	|	0.94
58.750	0.00	0.34	0.665	I O	|	|	|	0.94
58.833	0.00	0.34	0.663	I O	|	|	|	0.93
58.917	0.00	0.33	0.660	I O	|	|	|	0.93
59.000	0.00	0.33	0.658	I O	|	|	|	0.93
59.083	0.00	0.33	0.656	I O	|	|	|	0.92
59.167	0.00	0.33	0.653	I O	|	|	|	0.92
59.250	0.00	0.33	0.651	I O	|	|	|	0.92
59.333	0.00	0.33	0.649	IO	|	|	|	0.91
59.417	0.00	0.33	0.647	IO	|	|	|	0.91
59.500	0.00	0.33	0.644	IO	|	|	|	0.91
59.583	0.00	0.33	0.642	IO	|	|	|	0.90
59.667	0.00	0.32	0.640	IO	|	|	|	0.90
59.750	0.00	0.32	0.638	IO	|	|	|	0.90
59.833	0.00	0.32	0.635	IO	|	|	|	0.90
59.917	0.00	0.32	0.633	IO	|	|	|	0.89
60.000	0.00	0.32	0.631	IO	|	|	|	0.89
60.083	0.00	0.32	0.629	IO	|	|	|	0.89
60.167	0.00	0.32	0.627	IO	|	|	|	0.88
60.250	0.00	0.32	0.624	IO	|	|	|	0.88
60.333	0.00	0.32	0.622	IO	|	|	|	0.88
60.417	0.00	0.31	0.620	IO	|	|	|	0.87
60.500	0.00	0.31	0.618	IO	|	|	|	0.87
60.583	0.00	0.31	0.616	IO	|	|	|	0.87
60.667	0.00	0.31	0.614	IO	|	|	|	0.86
60.750	0.00	0.31	0.612	IO	|	|	|	0.86
60.833	0.00	0.31	0.609	IO	|	|	|	0.86
60.917	0.00	0.31	0.607	IO	|	|	|	0.86
61.000	0.00	0.31	0.605	IO	|	|	|	0.85
61.083	0.00	0.31	0.603	IO	|	|	|	0.85
61.167	0.00	0.30	0.601	IO	|	|	|	0.85
61.250	0.00	0.30	0.599	IO	|	|	|	0.84
61.333	0.00	0.30	0.597	IO	|	|	|	0.84
61.417	0.00	0.30	0.595	IO	|	|	|	0.84
61.500	0.00	0.30	0.593	IO	|	|	|	0.83
61.583	0.00	0.30	0.591	IO	|	|	|	0.83
61.667	0.00	0.30	0.588	IO	|	|	|	0.83
61.750	0.00	0.30	0.586	IO	|	|	|	0.83
61.833	0.00	0.30	0.584	IO	|	|	|	0.82

61.917	0.00	0.30	0.582	IO					0.82
62.000	0.00	0.29	0.580	IO					0.82
62.083	0.00	0.29	0.578	IO					0.81
62.167	0.00	0.29	0.576	IO					0.81
62.250	0.00	0.29	0.574	IO					0.81
62.333	0.00	0.29	0.572	IO					0.81
62.417	0.00	0.29	0.570	IO					0.80
62.500	0.00	0.29	0.568	IO					0.80
62.583	0.00	0.29	0.566	IO					0.80
62.667	0.00	0.29	0.564	IO					0.79
62.750	0.00	0.29	0.562	IO					0.79
62.833	0.00	0.28	0.560	IO					0.79
62.917	0.00	0.28	0.558	IO					0.79
63.000	0.00	0.28	0.557	IO					0.78
63.083	0.00	0.28	0.555	IO					0.78
63.167	0.00	0.28	0.553	IO					0.78
63.250	0.00	0.28	0.551	IO					0.78
63.333	0.00	0.28	0.549	IO					0.77
63.417	0.00	0.28	0.547	IO					0.77
63.500	0.00	0.28	0.545	IO					0.77
63.583	0.00	0.28	0.543	IO					0.76
63.667	0.00	0.27	0.541	IO					0.76
63.750	0.00	0.27	0.539	IO					0.76
63.833	0.00	0.27	0.537	IO					0.76
63.917	0.00	0.27	0.536	IO					0.75
64.000	0.00	0.27	0.534	IO					0.75
64.083	0.00	0.27	0.532	IO					0.75
64.167	0.00	0.27	0.530	IO					0.75
64.250	0.00	0.27	0.528	IO					0.74
64.333	0.00	0.27	0.526	IO					0.74
64.417	0.00	0.27	0.524	IO					0.74
64.500	0.00	0.26	0.523	IO					0.74
64.583	0.00	0.26	0.521	IO					0.73
64.667	0.00	0.26	0.519	IO					0.73
64.750	0.00	0.26	0.517	IO					0.73
64.833	0.00	0.26	0.515	IO					0.73
64.917	0.00	0.26	0.514	IO					0.72
65.000	0.00	0.26	0.512	IO					0.72
65.083	0.00	0.26	0.510	IO					0.72
65.167	0.00	0.26	0.508	IO					0.72
65.250	0.00	0.26	0.506	IO					0.71
65.333	0.00	0.26	0.505	IO					0.71
65.417	0.00	0.25	0.503	IO					0.71
65.500	0.00	0.25	0.501	IO					0.71
65.583	0.00	0.25	0.499	IO					0.70
65.667	0.00	0.25	0.498	IO					0.70
65.750	0.00	0.25	0.496	IO					0.70
65.833	0.00	0.25	0.494	IO					0.70
65.917	0.00	0.25	0.492	IO					0.69
66.000	0.00	0.25	0.491	IO					0.69
66.083	0.00	0.25	0.489	IO					0.69
66.167	0.00	0.25	0.487	IO					0.69
66.250	0.00	0.25	0.486	IO					0.68
66.333	0.00	0.25	0.484	IO					0.68
66.417	0.00	0.24	0.482	IO					0.68
66.500	0.00	0.24	0.481	IO					0.68
66.583	0.00	0.24	0.479	IO					0.67
66.667	0.00	0.24	0.477	IO					0.67
66.750	0.00	0.24	0.476	IO					0.67
66.833	0.00	0.24	0.474	IO					0.67
66.917	0.00	0.24	0.472	IO					0.67
67.000	0.00	0.24	0.471	IO					0.66
67.083	0.00	0.24	0.469	IO					0.66
67.167	0.00	0.24	0.467	IO					0.66
67.250	0.00	0.24	0.466	IO					0.66
67.333	0.00	0.24	0.464	IO					0.65
67.417	0.00	0.23	0.462	IO					0.65

67.500	0.00	0.23	0.461	IO	|	|	|	0.65
67.583	0.00	0.23	0.459	IO	|	|	|	0.65
67.667	0.00	0.23	0.458	IO	|	|	|	0.64
67.750	0.00	0.23	0.456	IO	|	|	|	0.64
67.833	0.00	0.23	0.454	IO	|	|	|	0.64
67.917	0.00	0.23	0.453	IO	|	|	|	0.64
68.000	0.00	0.23	0.451	IO	|	|	|	0.64
68.083	0.00	0.23	0.450	IO	|	|	|	0.63
68.167	0.00	0.23	0.448	IO	|	|	|	0.63
68.250	0.00	0.23	0.447	IO	|	|	|	0.63
68.333	0.00	0.23	0.445	IO	|	|	|	0.63
68.417	0.00	0.22	0.444	IO	|	|	|	0.62
68.500	0.00	0.22	0.442	IO	|	|	|	0.62
68.583	0.00	0.22	0.440	IO	|	|	|	0.62
68.667	0.00	0.22	0.439	IO	|	|	|	0.62
68.750	0.00	0.22	0.437	IO	|	|	|	0.62
68.833	0.00	0.22	0.436	IO	|	|	|	0.61
68.917	0.00	0.22	0.434	IO	|	|	|	0.61
69.000	0.00	0.22	0.433	IO	|	|	|	0.61
69.083	0.00	0.22	0.431	IO	|	|	|	0.61
69.167	0.00	0.22	0.430	IO	|	|	|	0.61
69.250	0.00	0.22	0.428	IO	|	|	|	0.60
69.333	0.00	0.22	0.427	IO	|	|	|	0.60
69.417	0.00	0.22	0.425	IO	|	|	|	0.60
69.500	0.00	0.21	0.424	IO	|	|	|	0.60
69.583	0.00	0.21	0.422	IO	|	|	|	0.59
69.667	0.00	0.21	0.421	IO	|	|	|	0.59
69.750	0.00	0.21	0.419	IO	|	|	|	0.59
69.833	0.00	0.21	0.418	IO	|	|	|	0.59
69.917	0.00	0.21	0.416	IO	|	|	|	0.59
70.000	0.00	0.21	0.415	IO	|	|	|	0.58
70.083	0.00	0.21	0.414	IO	|	|	|	0.58
70.167	0.00	0.21	0.412	IO	|	|	|	0.58
70.250	0.00	0.21	0.411	IO	|	|	|	0.58
70.333	0.00	0.21	0.409	IO	|	|	|	0.58
70.417	0.00	0.21	0.408	IO	|	|	|	0.57
70.500	0.00	0.21	0.406	IO	|	|	|	0.57
70.583	0.00	0.21	0.405	IO	|	|	|	0.57
70.667	0.00	0.20	0.404	IO	|	|	|	0.57
70.750	0.00	0.20	0.402	IO	|	|	|	0.57
70.833	0.00	0.20	0.401	IO	|	|	|	0.56
70.917	0.00	0.20	0.399	IO	|	|	|	0.56
71.000	0.00	0.20	0.398	IO	|	|	|	0.56
71.083	0.00	0.20	0.397	IO	|	|	|	0.56
71.167	0.00	0.20	0.395	IO	|	|	|	0.56
71.250	0.00	0.20	0.394	IO	|	|	|	0.55
71.333	0.00	0.20	0.392	IO	|	|	|	0.55
71.417	0.00	0.20	0.391	IO	|	|	|	0.55
71.500	0.00	0.20	0.390	IO	|	|	|	0.55
71.583	0.00	0.20	0.388	IO	|	|	|	0.55
71.667	0.00	0.20	0.387	IO	|	|	|	0.55
71.750	0.00	0.20	0.386	IO	|	|	|	0.54
71.833	0.00	0.19	0.384	IO	|	|	|	0.54
71.917	0.00	0.19	0.383	IO	|	|	|	0.54
72.000	0.00	0.19	0.382	IO	|	|	|	0.54
72.083	0.00	0.19	0.380	IO	|	|	|	0.54
72.167	0.00	0.19	0.379	IO	|	|	|	0.53
72.250	0.00	0.19	0.378	IO	|	|	|	0.53
72.333	0.00	0.19	0.376	IO	|	|	|	0.53
72.417	0.00	0.19	0.375	IO	|	|	|	0.53
72.500	0.00	0.19	0.374	IO	|	|	|	0.53
72.583	0.00	0.19	0.372	IO	|	|	|	0.52
72.667	0.00	0.19	0.371	IO	|	|	|	0.52
72.750	0.00	0.19	0.370	IO	|	|	|	0.52
72.833	0.00	0.19	0.369	IO	|	|	|	0.52
72.917	0.00	0.19	0.367	IO	|	|	|	0.52
73.000	0.00	0.19	0.366	IO	|	|	|	0.52

73.083	0.00	0.18	0.365	IO				0.51
73.167	0.00	0.18	0.363	IO				0.51
73.250	0.00	0.18	0.362	IO				0.51
73.333	0.00	0.18	0.361	IO				0.51
73.417	0.00	0.18	0.360	IO				0.51
73.500	0.00	0.18	0.358	IO				0.50
73.583	0.00	0.18	0.357	IO				0.50
73.667	0.00	0.18	0.356	IO				0.50
73.750	0.00	0.18	0.355	IO				0.50
73.833	0.00	0.18	0.353	IO				0.50
73.917	0.00	0.18	0.352	IO				0.50
74.000	0.00	0.18	0.351	IO				0.49
74.083	0.00	0.18	0.350	IO				0.49
74.167	0.00	0.18	0.349	IO				0.49
74.250	0.00	0.18	0.347	IO				0.49
74.333	0.00	0.18	0.346	IO				0.49
74.417	0.00	0.17	0.345	IO				0.49
74.500	0.00	0.17	0.344	IO				0.48
74.583	0.00	0.17	0.343	IO				0.48
74.667	0.00	0.17	0.341	IO				0.48
74.750	0.00	0.17	0.340	IO				0.48
74.833	0.00	0.17	0.339	IO				0.48
74.917	0.00	0.17	0.338	IO				0.48
75.000	0.00	0.17	0.337	IO				0.47
75.083	0.00	0.17	0.335	IO				0.47
75.167	0.00	0.17	0.334	IO				0.47
75.250	0.00	0.17	0.333	IO				0.47
75.333	0.00	0.17	0.332	IO				0.47
75.417	0.00	0.17	0.331	IO				0.47
75.500	0.00	0.17	0.330	IO				0.46
75.583	0.00	0.17	0.328	IO				0.46
75.667	0.00	0.17	0.327	IO				0.46
75.750	0.00	0.17	0.326	IO				0.46
75.833	0.00	0.16	0.325	O				0.46
75.917	0.00	0.16	0.324	O				0.46
76.000	0.00	0.16	0.323	O				0.45
76.083	0.00	0.16	0.322	O				0.45
76.167	0.00	0.16	0.321	O				0.45
76.250	0.00	0.16	0.319	O				0.45
76.333	0.00	0.16	0.318	O				0.45
76.417	0.00	0.16	0.317	O				0.45
76.500	0.00	0.16	0.316	O				0.45
76.583	0.00	0.16	0.315	O				0.44
76.667	0.00	0.16	0.314	O				0.44
76.750	0.00	0.16	0.313	O				0.44
76.833	0.00	0.16	0.312	O				0.44
76.917	0.00	0.16	0.311	O				0.44
77.000	0.00	0.16	0.310	O				0.44
77.083	0.00	0.16	0.308	O				0.43
77.167	0.00	0.16	0.307	O				0.43
77.250	0.00	0.16	0.306	O				0.43
77.333	0.00	0.15	0.305	O				0.43
77.417	0.00	0.15	0.304	O				0.43
77.500	0.00	0.15	0.303	O				0.43
77.583	0.00	0.15	0.302	O				0.43
77.667	0.00	0.15	0.301	O				0.42
77.750	0.00	0.15	0.300	O				0.42
77.833	0.00	0.15	0.299	O				0.42
77.917	0.00	0.15	0.298	O				0.42
78.000	0.00	0.15	0.297	O				0.42
78.083	0.00	0.15	0.296	O				0.42
78.167	0.00	0.15	0.295	O				0.42
78.250	0.00	0.15	0.294	O				0.41
78.333	0.00	0.15	0.293	O				0.41
78.417	0.00	0.15	0.292	O				0.41
78.500	0.00	0.15	0.291	O				0.41
78.583	0.00	0.15	0.290	O				0.41

78.667	0.00	0.15	0.289	O	|	|	|	0.41
78.750	0.00	0.15	0.288	O	|	|	|	0.41
78.833	0.00	0.15	0.287	O	|	|	|	0.40
78.917	0.00	0.14	0.286	O	|	|	|	0.40
79.000	0.00	0.14	0.285	O	|	|	|	0.40
79.083	0.00	0.14	0.284	O	|	|	|	0.40
79.167	0.00	0.14	0.283	O	|	|	|	0.40
79.250	0.00	0.14	0.282	O	|	|	|	0.40
79.333	0.00	0.14	0.281	O	|	|	|	0.40
79.417	0.00	0.14	0.280	O	|	|	|	0.39
79.500	0.00	0.14	0.279	O	|	|	|	0.39
79.583	0.00	0.14	0.278	O	|	|	|	0.39
79.667	0.00	0.14	0.277	O	|	|	|	0.39
79.750	0.00	0.14	0.276	O	|	|	|	0.39
79.833	0.00	0.14	0.275	O	|	|	|	0.39
79.917	0.00	0.14	0.274	O	|	|	|	0.39
80.000	0.00	0.14	0.273	O	|	|	|	0.38
80.083	0.00	0.14	0.272	O	|	|	|	0.38
80.167	0.00	0.14	0.271	O	|	|	|	0.38
80.250	0.00	0.14	0.270	O	|	|	|	0.38
80.333	0.00	0.14	0.269	O	|	|	|	0.38
80.417	0.00	0.14	0.268	O	|	|	|	0.38
80.500	0.00	0.14	0.267	O	|	|	|	0.38
80.583	0.00	0.14	0.266	O	|	|	|	0.38
80.667	0.00	0.13	0.265	O	|	|	|	0.37
80.750	0.00	0.13	0.265	O	|	|	|	0.37
80.833	0.00	0.13	0.264	O	|	|	|	0.37
80.917	0.00	0.13	0.263	O	|	|	|	0.37
81.000	0.00	0.13	0.262	O	|	|	|	0.37
81.083	0.00	0.13	0.261	O	|	|	|	0.37
81.167	0.00	0.13	0.260	O	|	|	|	0.37
81.250	0.00	0.13	0.259	O	|	|	|	0.36
81.333	0.00	0.13	0.258	O	|	|	|	0.36
81.417	0.00	0.13	0.257	O	|	|	|	0.36
81.500	0.00	0.13	0.256	O	|	|	|	0.36
81.583	0.00	0.13	0.255	O	|	|	|	0.36
81.667	0.00	0.13	0.255	O	|	|	|	0.36
81.750	0.00	0.13	0.254	O	|	|	|	0.36
81.833	0.00	0.13	0.253	O	|	|	|	0.36
81.917	0.00	0.13	0.252	O	|	|	|	0.35
82.000	0.00	0.13	0.251	O	|	|	|	0.35
82.083	0.00	0.13	0.250	O	|	|	|	0.35
82.167	0.00	0.13	0.249	O	|	|	|	0.35
82.250	0.00	0.13	0.248	O	|	|	|	0.35
82.333	0.00	0.13	0.248	O	|	|	|	0.35
82.417	0.00	0.13	0.247	O	|	|	|	0.35
82.500	0.00	0.12	0.246	O	|	|	|	0.35
82.583	0.00	0.12	0.245	O	|	|	|	0.35
82.667	0.00	0.12	0.244	O	|	|	|	0.34
82.750	0.00	0.12	0.243	O	|	|	|	0.34
82.833	0.00	0.12	0.242	O	|	|	|	0.34
82.917	0.00	0.12	0.242	O	|	|	|	0.34
83.000	0.00	0.12	0.241	O	|	|	|	0.34
83.083	0.00	0.12	0.240	O	|	|	|	0.34
83.167	0.00	0.12	0.239	O	|	|	|	0.34
83.250	0.00	0.12	0.238	O	|	|	|	0.34
83.333	0.00	0.12	0.237	O	|	|	|	0.33
83.417	0.00	0.12	0.237	O	|	|	|	0.33
83.500	0.00	0.12	0.236	O	|	|	|	0.33
83.583	0.00	0.12	0.235	O	|	|	|	0.33
83.667	0.00	0.12	0.234	O	|	|	|	0.33
83.750	0.00	0.12	0.233	O	|	|	|	0.33
83.833	0.00	0.12	0.232	O	|	|	|	0.33
83.917	0.00	0.12	0.232	O	|	|	|	0.33
84.000	0.00	0.12	0.231	O	|	|	|	0.33
84.083	0.00	0.12	0.230	O	|	|	|	0.32
84.167	0.00	0.12	0.229	O	|	|	|	0.32

84.250	0.00	0.12	0.228	O	|	|	|	|	0.32
84.333	0.00	0.12	0.228	O	|	|	|	|	0.32
84.417	0.00	0.12	0.227	O	|	|	|	|	0.32
84.500	0.00	0.11	0.226	O	|	|	|	|	0.32
84.583	0.00	0.11	0.225	O	|	|	|	|	0.32
84.667	0.00	0.11	0.224	O	|	|	|	|	0.32
84.750	0.00	0.11	0.224	O	|	|	|	|	0.32
84.833	0.00	0.11	0.223	O	|	|	|	|	0.31
84.917	0.00	0.11	0.222	O	|	|	|	|	0.31
85.000	0.00	0.11	0.221	O	|	|	|	|	0.31
85.083	0.00	0.11	0.221	O	|	|	|	|	0.31
85.167	0.00	0.11	0.220	O	|	|	|	|	0.31
85.250	0.00	0.11	0.219	O	|	|	|	|	0.31
85.333	0.00	0.11	0.218	O	|	|	|	|	0.31
85.417	0.00	0.11	0.218	O	|	|	|	|	0.31
85.500	0.00	0.11	0.217	O	|	|	|	|	0.31
85.583	0.00	0.11	0.216	O	|	|	|	|	0.30
85.667	0.00	0.11	0.215	O	|	|	|	|	0.30
85.750	0.00	0.11	0.215	O	|	|	|	|	0.30
85.833	0.00	0.11	0.214	O	|	|	|	|	0.30
85.917	0.00	0.11	0.213	O	|	|	|	|	0.30
86.000	0.00	0.11	0.212	O	|	|	|	|	0.30
86.083	0.00	0.11	0.212	O	|	|	|	|	0.30
86.167	0.00	0.11	0.211	O	|	|	|	|	0.30
86.250	0.00	0.11	0.210	O	|	|	|	|	0.30
86.333	0.00	0.11	0.209	O	|	|	|	|	0.29
86.417	0.00	0.11	0.209	O	|	|	|	|	0.29
86.500	0.00	0.11	0.208	O	|	|	|	|	0.29
86.583	0.00	0.11	0.207	O	|	|	|	|	0.29
86.667	0.00	0.10	0.206	O	|	|	|	|	0.29
86.750	0.00	0.10	0.206	O	|	|	|	|	0.29
86.833	0.00	0.10	0.205	O	|	|	|	|	0.29
86.917	0.00	0.10	0.204	O	|	|	|	|	0.29
87.000	0.00	0.10	0.204	O	|	|	|	|	0.29
87.083	0.00	0.10	0.203	O	|	|	|	|	0.29
87.167	0.00	0.10	0.202	O	|	|	|	|	0.28
87.250	0.00	0.10	0.201	O	|	|	|	|	0.28
87.333	0.00	0.10	0.201	O	|	|	|	|	0.28
87.417	0.00	0.10	0.200	O	|	|	|	|	0.28
87.500	0.00	0.10	0.199	O	|	|	|	|	0.28
87.583	0.00	0.10	0.199	O	|	|	|	|	0.28
87.667	0.00	0.10	0.198	O	|	|	|	|	0.28
87.750	0.00	0.10	0.197	O	|	|	|	|	0.28
87.833	0.00	0.10	0.197	O	|	|	|	|	0.28
87.917	0.00	0.10	0.196	O	|	|	|	|	0.28
88.000	0.00	0.10	0.195	O	|	|	|	|	0.27
88.083	0.00	0.10	0.195	O	|	|	|	|	0.27
88.167	0.00	0.10	0.194	O	|	|	|	|	0.27
88.250	0.00	0.10	0.193	O	|	|	|	|	0.27
88.333	0.00	0.10	0.193	O	|	|	|	|	0.27
88.417	0.00	0.10	0.192	O	|	|	|	|	0.27
88.500	0.00	0.10	0.191	O	|	|	|	|	0.27
88.583	0.00	0.10	0.190	O	|	|	|	|	0.27
88.667	0.00	0.10	0.190	O	|	|	|	|	0.27
88.750	0.00	0.10	0.189	O	|	|	|	|	0.27
88.833	0.00	0.10	0.189	O	|	|	|	|	0.27
88.917	0.00	0.10	0.188	O	|	|	|	|	0.26
89.000	0.00	0.09	0.187	O	|	|	|	|	0.26
89.083	0.00	0.09	0.187	O	|	|	|	|	0.26
89.167	0.00	0.09	0.186	O	|	|	|	|	0.26
89.250	0.00	0.09	0.185	O	|	|	|	|	0.26
89.333	0.00	0.09	0.185	O	|	|	|	|	0.26
89.417	0.00	0.09	0.184	O	|	|	|	|	0.26
89.500	0.00	0.09	0.183	O	|	|	|	|	0.26
89.583	0.00	0.09	0.183	O	|	|	|	|	0.26
89.667	0.00	0.09	0.182	O	|	|	|	|	0.26
89.750	0.00	0.09	0.181	O	|	|	|	|	0.26

89.833	0.00	0.09	0.181	O	|	|	|	0.25
89.917	0.00	0.09	0.180	O	|	|	|	0.25
90.000	0.00	0.09	0.180	O	|	|	|	0.25
90.083	0.00	0.09	0.179	O	|	|	|	0.25
90.167	0.00	0.09	0.178	O	|	|	|	0.25
90.250	0.00	0.09	0.178	O	|	|	|	0.25
90.333	0.00	0.09	0.177	O	|	|	|	0.25
90.417	0.00	0.09	0.176	O	|	|	|	0.25
90.500	0.00	0.09	0.176	O	|	|	|	0.25
90.583	0.00	0.09	0.175	O	|	|	|	0.25
90.667	0.00	0.09	0.175	O	|	|	|	0.25
90.750	0.00	0.09	0.174	O	|	|	|	0.25
90.833	0.00	0.09	0.173	O	|	|	|	0.24
90.917	0.00	0.09	0.173	O	|	|	|	0.24
91.000	0.00	0.09	0.172	O	|	|	|	0.24
91.083	0.00	0.09	0.172	O	|	|	|	0.24
91.167	0.00	0.09	0.171	O	|	|	|	0.24
91.250	0.00	0.09	0.170	O	|	|	|	0.24
91.333	0.00	0.09	0.170	O	|	|	|	0.24
91.417	0.00	0.09	0.169	O	|	|	|	0.24
91.500	0.00	0.09	0.169	O	|	|	|	0.24
91.583	0.00	0.09	0.168	O	|	|	|	0.24
91.667	0.00	0.08	0.167	O	|	|	|	0.24
91.750	0.00	0.08	0.167	O	|	|	|	0.23
91.833	0.00	0.08	0.166	O	|	|	|	0.23
91.917	0.00	0.08	0.166	O	|	|	|	0.23
92.000	0.00	0.08	0.165	O	|	|	|	0.23
92.083	0.00	0.08	0.165	O	|	|	|	0.23
92.167	0.00	0.08	0.164	O	|	|	|	0.23
92.250	0.00	0.08	0.163	O	|	|	|	0.23
92.333	0.00	0.08	0.163	O	|	|	|	0.23
92.417	0.00	0.08	0.162	O	|	|	|	0.23
92.500	0.00	0.08	0.162	O	|	|	|	0.23
92.583	0.00	0.08	0.161	O	|	|	|	0.23
92.667	0.00	0.08	0.161	O	|	|	|	0.23
92.750	0.00	0.08	0.160	O	|	|	|	0.23
92.833	0.00	0.08	0.159	O	|	|	|	0.22
92.917	0.00	0.08	0.159	O	|	|	|	0.22
93.000	0.00	0.08	0.158	O	|	|	|	0.22
93.083	0.00	0.08	0.158	O	|	|	|	0.22
93.167	0.00	0.08	0.157	O	|	|	|	0.22
93.250	0.00	0.08	0.157	O	|	|	|	0.22
93.333	0.00	0.08	0.156	O	|	|	|	0.22
93.417	0.00	0.08	0.156	O	|	|	|	0.22
93.500	0.00	0.08	0.155	O	|	|	|	0.22
93.583	0.00	0.08	0.154	O	|	|	|	0.22
93.667	0.00	0.08	0.154	O	|	|	|	0.22
93.750	0.00	0.08	0.153	O	|	|	|	0.22
93.833	0.00	0.08	0.153	O	|	|	|	0.22
93.917	0.00	0.08	0.152	O	|	|	|	0.21
94.000	0.00	0.08	0.152	O	|	|	|	0.21
94.083	0.00	0.08	0.151	O	|	|	|	0.21
94.167	0.00	0.08	0.151	O	|	|	|	0.21
94.250	0.00	0.08	0.150	O	|	|	|	0.21
94.333	0.00	0.08	0.150	O	|	|	|	0.21
94.417	0.00	0.08	0.149	O	|	|	|	0.21
94.500	0.00	0.08	0.149	O	|	|	|	0.21
94.583	0.00	0.08	0.148	O	|	|	|	0.21
94.667	0.00	0.07	0.148	O	|	|	|	0.21
94.750	0.00	0.07	0.147	O	|	|	|	0.21
94.833	0.00	0.07	0.147	O	|	|	|	0.21
94.917	0.00	0.07	0.146	O	|	|	|	0.21
95.000	0.00	0.07	0.146	O	|	|	|	0.21
95.083	0.00	0.07	0.145	O	|	|	|	0.20
95.167	0.00	0.07	0.145	O	|	|	|	0.20
95.250	0.00	0.07	0.144	O	|	|	|	0.20
95.333	0.00	0.07	0.144	O	|	|	|	0.20

95.417	0.00	0.07	0.143	O	|	|	|	|	0.20
95.500	0.00	0.07	0.143	O	|	|	|	|	0.20
95.583	0.00	0.07	0.142	O	|	|	|	|	0.20
95.667	0.00	0.07	0.142	O	|	|	|	|	0.20
95.750	0.00	0.07	0.141	O	|	|	|	|	0.20
95.833	0.00	0.07	0.141	O	|	|	|	|	0.20
95.917	0.00	0.07	0.140	O	|	|	|	|	0.20
96.000	0.00	0.07	0.140	O	|	|	|	|	0.20
96.083	0.00	0.07	0.139	O	|	|	|	|	0.20
96.167	0.00	0.07	0.139	O	|	|	|	|	0.20
96.250	0.00	0.07	0.138	O	|	|	|	|	0.19
96.333	0.00	0.07	0.138	O	|	|	|	|	0.19
96.417	0.00	0.07	0.137	O	|	|	|	|	0.19
96.500	0.00	0.07	0.137	O	|	|	|	|	0.19
96.583	0.00	0.07	0.136	O	|	|	|	|	0.19
96.667	0.00	0.07	0.136	O	|	|	|	|	0.19
96.750	0.00	0.07	0.135	O	|	|	|	|	0.19
96.833	0.00	0.07	0.135	O	|	|	|	|	0.19
96.917	0.00	0.07	0.134	O	|	|	|	|	0.19
97.000	0.00	0.07	0.134	O	|	|	|	|	0.19
97.083	0.00	0.07	0.133	O	|	|	|	|	0.19
97.167	0.00	0.07	0.133	O	|	|	|	|	0.19
97.250	0.00	0.07	0.132	O	|	|	|	|	0.19
97.333	0.00	0.07	0.132	O	|	|	|	|	0.19
97.417	0.00	0.07	0.132	O	|	|	|	|	0.19
97.500	0.00	0.07	0.131	O	|	|	|	|	0.18
97.583	0.00	0.07	0.131	O	|	|	|	|	0.18
97.667	0.00	0.07	0.130	O	|	|	|	|	0.18
97.750	0.00	0.07	0.130	O	|	|	|	|	0.18
97.833	0.00	0.07	0.129	O	|	|	|	|	0.18
97.917	0.00	0.07	0.129	O	|	|	|	|	0.18
98.000	0.00	0.07	0.128	O	|	|	|	|	0.18
98.083	0.00	0.06	0.128	O	|	|	|	|	0.18
98.167	0.00	0.06	0.127	O	|	|	|	|	0.18
98.250	0.00	0.06	0.127	O	|	|	|	|	0.18
98.333	0.00	0.06	0.127	O	|	|	|	|	0.18
98.417	0.00	0.06	0.126	O	|	|	|	|	0.18
98.500	0.00	0.06	0.126	O	|	|	|	|	0.18
98.583	0.00	0.06	0.125	O	|	|	|	|	0.18
98.667	0.00	0.06	0.125	O	|	|	|	|	0.18
98.750	0.00	0.06	0.124	O	|	|	|	|	0.18
98.833	0.00	0.06	0.124	O	|	|	|	|	0.17
98.917	0.00	0.06	0.124	O	|	|	|	|	0.17
99.000	0.00	0.06	0.123	O	|	|	|	|	0.17
99.083	0.00	0.06	0.123	O	|	|	|	|	0.17
99.167	0.00	0.06	0.122	O	|	|	|	|	0.17
99.250	0.00	0.06	0.122	O	|	|	|	|	0.17
99.333	0.00	0.06	0.121	O	|	|	|	|	0.17
99.417	0.00	0.06	0.121	O	|	|	|	|	0.17
99.500	0.00	0.06	0.121	O	|	|	|	|	0.17
99.583	0.00	0.06	0.120	O	|	|	|	|	0.17
99.667	0.00	0.06	0.120	O	|	|	|	|	0.17
99.750	0.00	0.06	0.119	O	|	|	|	|	0.17
99.833	0.00	0.06	0.119	O	|	|	|	|	0.17
99.917	0.00	0.06	0.118	O	|	|	|	|	0.17
100.000	0.00	0.06	0.118	O	|	|	|	|	0.17
100.083	0.00	0.06	0.118	O	|	|	|	|	0.17
100.167	0.00	0.06	0.117	O	|	|	|	|	0.17
100.250	0.00	0.06	0.117	O	|	|	|	|	0.16
100.333	0.00	0.06	0.116	O	|	|	|	|	0.16
100.417	0.00	0.06	0.116	O	|	|	|	|	0.16
100.500	0.00	0.06	0.116	O	|	|	|	|	0.16
100.583	0.00	0.06	0.115	O	|	|	|	|	0.16
100.667	0.00	0.06	0.115	O	|	|	|	|	0.16
100.750	0.00	0.06	0.114	O	|	|	|	|	0.16
100.833	0.00	0.06	0.114	O	|	|	|	|	0.16
100.917	0.00	0.06	0.114	O	|	|	|	|	0.16

101.000	0.00	0.06	0.113	O	|	|	|	|	0.16
101.083	0.00	0.06	0.113	O	|	|	|	|	0.16
101.167	0.00	0.06	0.112	O	|	|	|	|	0.16
101.250	0.00	0.06	0.112	O	|	|	|	|	0.16
101.333	0.00	0.06	0.112	O	|	|	|	|	0.16
101.417	0.00	0.06	0.111	O	|	|	|	|	0.16
101.500	0.00	0.06	0.111	O	|	|	|	|	0.16
101.583	0.00	0.06	0.110	O	|	|	|	|	0.16
101.667	0.00	0.06	0.110	O	|	|	|	|	0.16
101.750	0.00	0.06	0.110	O	|	|	|	|	0.15
101.833	0.00	0.06	0.109	O	|	|	|	|	0.15
101.917	0.00	0.06	0.109	O	|	|	|	|	0.15
102.000	0.00	0.06	0.109	O	|	|	|	|	0.15
102.083	0.00	0.05	0.108	O	|	|	|	|	0.15
102.167	0.00	0.05	0.108	O	|	|	|	|	0.15
102.250	0.00	0.05	0.107	O	|	|	|	|	0.15
102.333	0.00	0.05	0.107	O	|	|	|	|	0.15
102.417	0.00	0.05	0.107	O	|	|	|	|	0.15
102.500	0.00	0.05	0.106	O	|	|	|	|	0.15
102.583	0.00	0.05	0.106	O	|	|	|	|	0.15
102.667	0.00	0.05	0.106	O	|	|	|	|	0.15
102.750	0.00	0.05	0.105	O	|	|	|	|	0.15
102.833	0.00	0.05	0.105	O	|	|	|	|	0.15
102.917	0.00	0.05	0.104	O	|	|	|	|	0.15
103.000	0.00	0.05	0.104	O	|	|	|	|	0.15
103.083	0.00	0.05	0.104	O	|	|	|	|	0.15
103.167	0.00	0.05	0.103	O	|	|	|	|	0.15
103.250	0.00	0.05	0.103	O	|	|	|	|	0.15
103.333	0.00	0.05	0.103	O	|	|	|	|	0.14
103.417	0.00	0.05	0.102	O	|	|	|	|	0.14
103.500	0.00	0.05	0.102	O	|	|	|	|	0.14
103.583	0.00	0.05	0.102	O	|	|	|	|	0.14
103.667	0.00	0.05	0.101	O	|	|	|	|	0.14
103.750	0.00	0.05	0.101	O	|	|	|	|	0.14
103.833	0.00	0.05	0.101	O	|	|	|	|	0.14
103.917	0.00	0.05	0.100	O	|	|	|	|	0.14
104.000	0.00	0.05	0.100	O	|	|	|	|	0.14
104.083	0.00	0.05	0.099	O	|	|	|	|	0.14
104.167	0.00	0.05	0.099	O	|	|	|	|	0.14
104.250	0.00	0.05	0.099	O	|	|	|	|	0.14
104.333	0.00	0.05	0.098	O	|	|	|	|	0.14
104.417	0.00	0.05	0.098	O	|	|	|	|	0.14
104.500	0.00	0.05	0.098	O	|	|	|	|	0.14
104.583	0.00	0.05	0.097	O	|	|	|	|	0.14
104.667	0.00	0.05	0.097	O	|	|	|	|	0.14
104.750	0.00	0.05	0.097	O	|	|	|	|	0.14
104.833	0.00	0.05	0.096	O	|	|	|	|	0.14
104.917	0.00	0.05	0.096	O	|	|	|	|	0.14
105.000	0.00	0.05	0.096	O	|	|	|	|	0.13
105.083	0.00	0.05	0.095	O	|	|	|	|	0.13
105.167	0.00	0.05	0.095	O	|	|	|	|	0.13
105.250	0.00	0.05	0.095	O	|	|	|	|	0.13
105.333	0.00	0.05	0.094	O	|	|	|	|	0.13
105.417	0.00	0.05	0.094	O	|	|	|	|	0.13
105.500	0.00	0.05	0.094	O	|	|	|	|	0.13
105.583	0.00	0.05	0.093	O	|	|	|	|	0.13
105.667	0.00	0.05	0.093	O	|	|	|	|	0.13
105.750	0.00	0.05	0.093	O	|	|	|	|	0.13
105.833	0.00	0.05	0.092	O	|	|	|	|	0.13
105.917	0.00	0.05	0.092	O	|	|	|	|	0.13
106.000	0.00	0.05	0.092	O	|	|	|	|	0.13
106.083	0.00	0.05	0.091	O	|	|	|	|	0.13
106.167	0.00	0.05	0.091	O	|	|	|	|	0.13
106.250	0.00	0.05	0.091	O	|	|	|	|	0.13
106.333	0.00	0.05	0.091	O	|	|	|	|	0.13
106.417	0.00	0.05	0.090	O	|	|	|	|	0.13
106.500	0.00	0.05	0.090	O	|	|	|	|	0.13

106.583	0.00	0.05	0.090	O	|	|	|	|	0.13
106.667	0.00	0.05	0.089	O	|	|	|	|	0.13
106.750	0.00	0.05	0.089	O	|	|	|	|	0.13
106.833	0.00	0.04	0.089	O	|	|	|	|	0.12
106.917	0.00	0.04	0.088	O	|	|	|	|	0.12
107.000	0.00	0.04	0.088	O	|	|	|	|	0.12
107.083	0.00	0.04	0.088	O	|	|	|	|	0.12
107.167	0.00	0.04	0.087	O	|	|	|	|	0.12
107.250	0.00	0.04	0.087	O	|	|	|	|	0.12
107.333	0.00	0.04	0.087	O	|	|	|	|	0.12
107.417	0.00	0.04	0.087	O	|	|	|	|	0.12
107.500	0.00	0.04	0.086	O	|	|	|	|	0.12
107.583	0.00	0.04	0.086	O	|	|	|	|	0.12
107.667	0.00	0.04	0.086	O	|	|	|	|	0.12
107.750	0.00	0.04	0.085	O	|	|	|	|	0.12
107.833	0.00	0.04	0.085	O	|	|	|	|	0.12
107.917	0.00	0.04	0.085	O	|	|	|	|	0.12
108.000	0.00	0.04	0.084	O	|	|	|	|	0.12
108.083	0.00	0.04	0.084	O	|	|	|	|	0.12
108.167	0.00	0.04	0.084	O	|	|	|	|	0.12
108.250	0.00	0.04	0.084	O	|	|	|	|	0.12
108.333	0.00	0.04	0.083	O	|	|	|	|	0.12
108.417	0.00	0.04	0.083	O	|	|	|	|	0.12
108.500	0.00	0.04	0.083	O	|	|	|	|	0.12
108.583	0.00	0.04	0.082	O	|	|	|	|	0.12
108.667	0.00	0.04	0.082	O	|	|	|	|	0.12
108.750	0.00	0.04	0.082	O	|	|	|	|	0.12
108.833	0.00	0.04	0.082	O	|	|	|	|	0.11
108.917	0.00	0.04	0.081	O	|	|	|	|	0.11
109.000	0.00	0.04	0.081	O	|	|	|	|	0.11
109.083	0.00	0.04	0.081	O	|	|	|	|	0.11
109.167	0.00	0.04	0.080	O	|	|	|	|	0.11
109.250	0.00	0.04	0.080	O	|	|	|	|	0.11
109.333	0.00	0.04	0.080	O	|	|	|	|	0.11
109.417	0.00	0.04	0.080	O	|	|	|	|	0.11
109.500	0.00	0.04	0.079	O	|	|	|	|	0.11
109.583	0.00	0.04	0.079	O	|	|	|	|	0.11
109.667	0.00	0.04	0.079	O	|	|	|	|	0.11
109.750	0.00	0.04	0.078	O	|	|	|	|	0.11
109.833	0.00	0.04	0.078	O	|	|	|	|	0.11
109.917	0.00	0.04	0.078	O	|	|	|	|	0.11
110.000	0.00	0.04	0.078	O	|	|	|	|	0.11
110.083	0.00	0.04	0.077	O	|	|	|	|	0.11
110.167	0.00	0.04	0.077	O	|	|	|	|	0.11
110.250	0.00	0.04	0.077	O	|	|	|	|	0.11
110.333	0.00	0.04	0.077	O	|	|	|	|	0.11
110.417	0.00	0.04	0.076	O	|	|	|	|	0.11
110.500	0.00	0.04	0.076	O	|	|	|	|	0.11
110.583	0.00	0.04	0.076	O	|	|	|	|	0.11
110.667	0.00	0.04	0.076	O	|	|	|	|	0.11
110.750	0.00	0.04	0.075	O	|	|	|	|	0.11
110.833	0.00	0.04	0.075	O	|	|	|	|	0.11
110.917	0.00	0.04	0.075	O	|	|	|	|	0.11
111.000	0.00	0.04	0.074	O	|	|	|	|	0.10
111.083	0.00	0.04	0.074	O	|	|	|	|	0.10
111.167	0.00	0.04	0.074	O	|	|	|	|	0.10
111.250	0.00	0.04	0.074	O	|	|	|	|	0.10
111.333	0.00	0.04	0.073	O	|	|	|	|	0.10
111.417	0.00	0.04	0.073	O	|	|	|	|	0.10
111.500	0.00	0.04	0.073	O	|	|	|	|	0.10
111.583	0.00	0.04	0.073	O	|	|	|	|	0.10
111.667	0.00	0.04	0.072	O	|	|	|	|	0.10
111.750	0.00	0.04	0.072	O	|	|	|	|	0.10
111.833	0.00	0.04	0.072	O	|	|	|	|	0.10
111.917	0.00	0.04	0.072	O	|	|	|	|	0.10
112.000	0.00	0.04	0.071	O	|	|	|	|	0.10
112.083	0.00	0.04	0.071	O	|	|	|	|	0.10

112.167	0.00	0.04	0.071	O	|	|	|	0.10
112.250	0.00	0.04	0.071	O	|	|	|	0.10
112.333	0.00	0.04	0.070	O	|	|	|	0.10
112.417	0.00	0.04	0.070	O	|	|	|	0.10
112.500	0.00	0.04	0.070	O	|	|	|	0.10
112.583	0.00	0.04	0.070	O	|	|	|	0.10
112.667	0.00	0.04	0.069	O	|	|	|	0.10
112.750	0.00	0.04	0.069	O	|	|	|	0.10
112.833	0.00	0.03	0.069	O	|	|	|	0.10
112.917	0.00	0.03	0.069	O	|	|	|	0.10
113.000	0.00	0.03	0.068	O	|	|	|	0.10
113.083	0.00	0.03	0.068	O	|	|	|	0.10
113.167	0.00	0.03	0.068	O	|	|	|	0.10
113.250	0.00	0.03	0.068	O	|	|	|	0.10
113.333	0.00	0.03	0.068	O	|	|	|	0.10
113.417	0.00	0.03	0.067	O	|	|	|	0.09
113.500	0.00	0.03	0.067	O	|	|	|	0.09
113.583	0.00	0.03	0.067	O	|	|	|	0.09
113.667	0.00	0.03	0.067	O	|	|	|	0.09
113.750	0.00	0.03	0.066	O	|	|	|	0.09
113.833	0.00	0.03	0.066	O	|	|	|	0.09
113.917	0.00	0.03	0.066	O	|	|	|	0.09
114.000	0.00	0.03	0.066	O	|	|	|	0.09
114.083	0.00	0.03	0.065	O	|	|	|	0.09
114.167	0.00	0.03	0.065	O	|	|	|	0.09
114.250	0.00	0.03	0.065	O	|	|	|	0.09
114.333	0.00	0.03	0.065	O	|	|	|	0.09
114.417	0.00	0.03	0.065	O	|	|	|	0.09
114.500	0.00	0.03	0.064	O	|	|	|	0.09
114.583	0.00	0.03	0.064	O	|	|	|	0.09
114.667	0.00	0.03	0.064	O	|	|	|	0.09
114.750	0.00	0.03	0.064	O	|	|	|	0.09
114.833	0.00	0.03	0.063	O	|	|	|	0.09
114.917	0.00	0.03	0.063	O	|	|	|	0.09
115.000	0.00	0.03	0.063	O	|	|	|	0.09
115.083	0.00	0.03	0.063	O	|	|	|	0.09
115.167	0.00	0.03	0.063	O	|	|	|	0.09
115.250	0.00	0.03	0.062	O	|	|	|	0.09
115.333	0.00	0.03	0.062	O	|	|	|	0.09
115.417	0.00	0.03	0.062	O	|	|	|	0.09
115.500	0.00	0.03	0.062	O	|	|	|	0.09
115.583	0.00	0.03	0.061	O	|	|	|	0.09
115.667	0.00	0.03	0.061	O	|	|	|	0.09
115.750	0.00	0.03	0.061	O	|	|	|	0.09
115.833	0.00	0.03	0.061	O	|	|	|	0.09
115.917	0.00	0.03	0.061	O	|	|	|	0.09
116.000	0.00	0.03	0.060	O	|	|	|	0.09
116.083	0.00	0.03	0.060	O	|	|	|	0.08
116.167	0.00	0.03	0.060	O	|	|	|	0.08
116.250	0.00	0.03	0.060	O	|	|	|	0.08
116.333	0.00	0.03	0.060	O	|	|	|	0.08
116.417	0.00	0.03	0.059	O	|	|	|	0.08
116.500	0.00	0.03	0.059	O	|	|	|	0.08
116.583	0.00	0.03	0.059	O	|	|	|	0.08
116.667	0.00	0.03	0.059	O	|	|	|	0.08
116.750	0.00	0.03	0.059	O	|	|	|	0.08
116.833	0.00	0.03	0.058	O	|	|	|	0.08
116.917	0.00	0.03	0.058	O	|	|	|	0.08
117.000	0.00	0.03	0.058	O	|	|	|	0.08
117.083	0.00	0.03	0.058	O	|	|	|	0.08
117.167	0.00	0.03	0.058	O	|	|	|	0.08
117.250	0.00	0.03	0.057	O	|	|	|	0.08
117.333	0.00	0.03	0.057	O	|	|	|	0.08
117.417	0.00	0.03	0.057	O	|	|	|	0.08
117.500	0.00	0.03	0.057	O	|	|	|	0.08
117.583	0.00	0.03	0.057	O	|	|	|	0.08
117.667	0.00	0.03	0.056	O	|	|	|	0.08

117.750	0.00	0.03	0.056	O	|	|	|	0.08
117.833	0.00	0.03	0.056	O	|	|	|	0.08
117.917	0.00	0.03	0.056	O	|	|	|	0.08
118.000	0.00	0.03	0.056	O	|	|	|	0.08
118.083	0.00	0.03	0.055	O	|	|	|	0.08
118.167	0.00	0.03	0.055	O	|	|	|	0.08
118.250	0.00	0.03	0.055	O	|	|	|	0.08
118.333	0.00	0.03	0.055	O	|	|	|	0.08
118.417	0.00	0.03	0.055	O	|	|	|	0.08
118.500	0.00	0.03	0.054	O	|	|	|	0.08
118.583	0.00	0.03	0.054	O	|	|	|	0.08
118.667	0.00	0.03	0.054	O	|	|	|	0.08
118.750	0.00	0.03	0.054	O	|	|	|	0.08
118.833	0.00	0.03	0.054	O	|	|	|	0.08
118.917	0.00	0.03	0.053	O	|	|	|	0.08
119.000	0.00	0.03	0.053	O	|	|	|	0.08
119.083	0.00	0.03	0.053	O	|	|	|	0.07
119.167	0.00	0.03	0.053	O	|	|	|	0.07
119.250	0.00	0.03	0.053	O	|	|	|	0.07
119.333	0.00	0.03	0.053	O	|	|	|	0.07
119.417	0.00	0.03	0.052	O	|	|	|	0.07
119.500	0.00	0.03	0.052	O	|	|	|	0.07
119.583	0.00	0.03	0.052	O	|	|	|	0.07
119.667	0.00	0.03	0.052	O	|	|	|	0.07
119.750	0.00	0.03	0.052	O	|	|	|	0.07
119.833	0.00	0.03	0.051	O	|	|	|	0.07
119.917	0.00	0.03	0.051	O	|	|	|	0.07
120.000	0.00	0.03	0.051	O	|	|	|	0.07
120.083	0.00	0.03	0.051	O	|	|	|	0.07
120.167	0.00	0.03	0.051	O	|	|	|	0.07
120.250	0.00	0.03	0.051	O	|	|	|	0.07
120.333	0.00	0.03	0.050	O	|	|	|	0.07
120.417	0.00	0.03	0.050	O	|	|	|	0.07
120.500	0.00	0.03	0.050	O	|	|	|	0.07
120.583	0.00	0.03	0.050	O	|	|	|	0.07
120.667	0.00	0.03	0.050	O	|	|	|	0.07
120.750	0.00	0.03	0.049	O	|	|	|	0.07
120.833	0.00	0.03	0.049	O	|	|	|	0.07
120.917	0.00	0.02	0.049	O	|	|	|	0.07
121.000	0.00	0.02	0.049	O	|	|	|	0.07
121.083	0.00	0.02	0.049	O	|	|	|	0.07
121.167	0.00	0.02	0.049	O	|	|	|	0.07
121.250	0.00	0.02	0.048	O	|	|	|	0.07
121.333	0.00	0.02	0.048	O	|	|	|	0.07
121.417	0.00	0.02	0.048	O	|	|	|	0.07
121.500	0.00	0.02	0.048	O	|	|	|	0.07
121.583	0.00	0.02	0.048	O	|	|	|	0.07
121.667	0.00	0.02	0.048	O	|	|	|	0.07
121.750	0.00	0.02	0.047	O	|	|	|	0.07
121.833	0.00	0.02	0.047	O	|	|	|	0.07
121.917	0.00	0.02	0.047	O	|	|	|	0.07
122.000	0.00	0.02	0.047	O	|	|	|	0.07
122.083	0.00	0.02	0.047	O	|	|	|	0.07
122.167	0.00	0.02	0.047	O	|	|	|	0.07
122.250	0.00	0.02	0.046	O	|	|	|	0.07
122.333	0.00	0.02	0.046	O	|	|	|	0.07
122.417	0.00	0.02	0.046	O	|	|	|	0.06
122.500	0.00	0.02	0.046	O	|	|	|	0.06
122.583	0.00	0.02	0.046	O	|	|	|	0.06
122.667	0.00	0.02	0.046	O	|	|	|	0.06
122.750	0.00	0.02	0.046	O	|	|	|	0.06
122.833	0.00	0.02	0.045	O	|	|	|	0.06
122.917	0.00	0.02	0.045	O	|	|	|	0.06
123.000	0.00	0.02	0.045	O	|	|	|	0.06
123.083	0.00	0.02	0.045	O	|	|	|	0.06
123.167	0.00	0.02	0.045	O	|	|	|	0.06
123.250	0.00	0.02	0.045	O	|	|	|	0.06

123.333	0.00	0.02	0.044	O	|	|	|	|	0.06
123.417	0.00	0.02	0.044	O	|	|	|	|	0.06
123.500	0.00	0.02	0.044	O	|	|	|	|	0.06
123.583	0.00	0.02	0.044	O	|	|	|	|	0.06
123.667	0.00	0.02	0.044	O	|	|	|	|	0.06
123.750	0.00	0.02	0.044	O	|	|	|	|	0.06
123.833	0.00	0.02	0.043	O	|	|	|	|	0.06
123.917	0.00	0.02	0.043	O	|	|	|	|	0.06
124.000	0.00	0.02	0.043	O	|	|	|	|	0.06
124.083	0.00	0.02	0.043	O	|	|	|	|	0.06
124.167	0.00	0.02	0.043	O	|	|	|	|	0.06
124.250	0.00	0.02	0.043	O	|	|	|	|	0.06
124.333	0.00	0.02	0.043	O	|	|	|	|	0.06
124.417	0.00	0.02	0.042	O	|	|	|	|	0.06
124.500	0.00	0.02	0.042	O	|	|	|	|	0.06
124.583	0.00	0.02	0.042	O	|	|	|	|	0.06
124.667	0.00	0.02	0.042	O	|	|	|	|	0.06
124.750	0.00	0.02	0.042	O	|	|	|	|	0.06
124.833	0.00	0.02	0.042	O	|	|	|	|	0.06
124.917	0.00	0.02	0.042	O	|	|	|	|	0.06
125.000	0.00	0.02	0.041	O	|	|	|	|	0.06
125.083	0.00	0.02	0.041	O	|	|	|	|	0.06
125.167	0.00	0.02	0.041	O	|	|	|	|	0.06
125.250	0.00	0.02	0.041	O	|	|	|	|	0.06
125.333	0.00	0.02	0.041	O	|	|	|	|	0.06
125.417	0.00	0.02	0.041	O	|	|	|	|	0.06
125.500	0.00	0.02	0.041	O	|	|	|	|	0.06
125.583	0.00	0.02	0.040	O	|	|	|	|	0.06
125.667	0.00	0.02	0.040	O	|	|	|	|	0.06
125.750	0.00	0.02	0.040	O	|	|	|	|	0.06
125.833	0.00	0.02	0.040	O	|	|	|	|	0.06
125.917	0.00	0.02	0.040	O	|	|	|	|	0.06
126.000	0.00	0.02	0.040	O	|	|	|	|	0.06
126.083	0.00	0.02	0.040	O	|	|	|	|	0.06
126.167	0.00	0.02	0.039	O	|	|	|	|	0.06
126.250	0.00	0.02	0.039	O	|	|	|	|	0.06
126.333	0.00	0.02	0.039	O	|	|	|	|	0.06
126.417	0.00	0.02	0.039	O	|	|	|	|	0.05
126.500	0.00	0.02	0.039	O	|	|	|	|	0.05
126.583	0.00	0.02	0.039	O	|	|	|	|	0.05
126.667	0.00	0.02	0.039	O	|	|	|	|	0.05
126.750	0.00	0.02	0.038	O	|	|	|	|	0.05
126.833	0.00	0.02	0.038	O	|	|	|	|	0.05
126.917	0.00	0.02	0.038	O	|	|	|	|	0.05
127.000	0.00	0.02	0.038	O	|	|	|	|	0.05
127.083	0.00	0.02	0.038	O	|	|	|	|	0.05
127.167	0.00	0.02	0.038	O	|	|	|	|	0.05
127.250	0.00	0.02	0.038	O	|	|	|	|	0.05
127.333	0.00	0.02	0.038	O	|	|	|	|	0.05
127.417	0.00	0.02	0.037	O	|	|	|	|	0.05
127.500	0.00	0.02	0.037	O	|	|	|	|	0.05
127.583	0.00	0.02	0.037	O	|	|	|	|	0.05
127.667	0.00	0.02	0.037	O	|	|	|	|	0.05
127.750	0.00	0.02	0.037	O	|	|	|	|	0.05
127.833	0.00	0.02	0.037	O	|	|	|	|	0.05
127.917	0.00	0.02	0.037	O	|	|	|	|	0.05
128.000	0.00	0.02	0.037	O	|	|	|	|	0.05
128.083	0.00	0.02	0.036	O	|	|	|	|	0.05
128.167	0.00	0.02	0.036	O	|	|	|	|	0.05
128.250	0.00	0.02	0.036	O	|	|	|	|	0.05
128.333	0.00	0.02	0.036	O	|	|	|	|	0.05
128.417	0.00	0.02	0.036	O	|	|	|	|	0.05
128.500	0.00	0.02	0.036	O	|	|	|	|	0.05
128.583	0.00	0.02	0.036	O	|	|	|	|	0.05
128.667	0.00	0.02	0.036	O	|	|	|	|	0.05
128.750	0.00	0.02	0.035	O	|	|	|	|	0.05
128.833	0.00	0.02	0.035	O	|	|	|	|	0.05

128.917	0.00	0.02	0.035	O	|	|	|	|	0.05
129.000	0.00	0.02	0.035	O	|	|	|	|	0.05
129.083	0.00	0.02	0.035	O	|	|	|	|	0.05
129.167	0.00	0.02	0.035	O	|	|	|	|	0.05
129.250	0.00	0.02	0.035	O	|	|	|	|	0.05
129.333	0.00	0.02	0.035	O	|	|	|	|	0.05
129.417	0.00	0.02	0.034	O	|	|	|	|	0.05
129.500	0.00	0.02	0.034	O	|	|	|	|	0.05
129.583	0.00	0.02	0.034	O	|	|	|	|	0.05
129.667	0.00	0.02	0.034	O	|	|	|	|	0.05
129.750	0.00	0.02	0.034	O	|	|	|	|	0.05
129.833	0.00	0.02	0.034	O	|	|	|	|	0.05
129.917	0.00	0.02	0.034	O	|	|	|	|	0.05
130.000	0.00	0.02	0.034	O	|	|	|	|	0.05
130.083	0.00	0.02	0.033	O	|	|	|	|	0.05
130.167	0.00	0.02	0.033	O	|	|	|	|	0.05
130.250	0.00	0.02	0.033	O	|	|	|	|	0.05
130.333	0.00	0.02	0.033	O	|	|	|	|	0.05
130.417	0.00	0.02	0.033	O	|	|	|	|	0.05
130.500	0.00	0.02	0.033	O	|	|	|	|	0.05
130.583	0.00	0.02	0.033	O	|	|	|	|	0.05
130.667	0.00	0.02	0.033	O	|	|	|	|	0.05
130.750	0.00	0.02	0.033	O	|	|	|	|	0.05
130.833	0.00	0.02	0.032	O	|	|	|	|	0.05
130.917	0.00	0.02	0.032	O	|	|	|	|	0.05
131.000	0.00	0.02	0.032	O	|	|	|	|	0.05
131.083	0.00	0.02	0.032	O	|	|	|	|	0.05
131.167	0.00	0.02	0.032	O	|	|	|	|	0.05
131.250	0.00	0.02	0.032	O	|	|	|	|	0.04
131.333	0.00	0.02	0.032	O	|	|	|	|	0.04
131.417	0.00	0.02	0.032	O	|	|	|	|	0.04
131.500	0.00	0.02	0.032	O	|	|	|	|	0.04
131.583	0.00	0.02	0.031	O	|	|	|	|	0.04
131.667	0.00	0.02	0.031	O	|	|	|	|	0.04
131.750	0.00	0.02	0.031	O	|	|	|	|	0.04
131.833	0.00	0.02	0.031	O	|	|	|	|	0.04
131.917	0.00	0.02	0.031	O	|	|	|	|	0.04
132.000	0.00	0.02	0.031	O	|	|	|	|	0.04
132.083	0.00	0.02	0.031	O	|	|	|	|	0.04
132.167	0.00	0.02	0.031	O	|	|	|	|	0.04
132.250	0.00	0.02	0.031	O	|	|	|	|	0.04
132.333	0.00	0.02	0.030	O	|	|	|	|	0.04
132.417	0.00	0.02	0.030	O	|	|	|	|	0.04
132.500	0.00	0.02	0.030	O	|	|	|	|	0.04
132.583	0.00	0.02	0.030	O	|	|	|	|	0.04
132.667	0.00	0.02	0.030	O	|	|	|	|	0.04
132.750	0.00	0.02	0.030	O	|	|	|	|	0.04
132.833	0.00	0.02	0.030	O	|	|	|	|	0.04
132.917	0.00	0.02	0.030	O	|	|	|	|	0.04
133.000	0.00	0.02	0.030	O	|	|	|	|	0.04
133.083	0.00	0.01	0.030	O	|	|	|	|	0.04
133.167	0.00	0.01	0.029	O	|	|	|	|	0.04
133.250	0.00	0.01	0.029	O	|	|	|	|	0.04
133.333	0.00	0.01	0.029	O	|	|	|	|	0.04
133.417	0.00	0.01	0.029	O	|	|	|	|	0.04
133.500	0.00	0.01	0.029	O	|	|	|	|	0.04
133.583	0.00	0.01	0.029	O	|	|	|	|	0.04
133.667	0.00	0.01	0.029	O	|	|	|	|	0.04
133.750	0.00	0.01	0.029	O	|	|	|	|	0.04
133.833	0.00	0.01	0.029	O	|	|	|	|	0.04
133.917	0.00	0.01	0.029	O	|	|	|	|	0.04
134.000	0.00	0.01	0.028	O	|	|	|	|	0.04
134.083	0.00	0.01	0.028	O	|	|	|	|	0.04
134.167	0.00	0.01	0.028	O	|	|	|	|	0.04
134.250	0.00	0.01	0.028	O	|	|	|	|	0.04
134.333	0.00	0.01	0.028	O	|	|	|	|	0.04
134.417	0.00	0.01	0.028	O	|	|	|	|	0.04

134.500	0.00	0.01	0.028	O	|	|	|	|	0.04
134.583	0.00	0.01	0.028	O	|	|	|	|	0.04
134.667	0.00	0.01	0.028	O	|	|	|	|	0.04
134.750	0.00	0.01	0.028	O	|	|	|	|	0.04
134.833	0.00	0.01	0.027	O	|	|	|	|	0.04
134.917	0.00	0.01	0.027	O	|	|	|	|	0.04
135.000	0.00	0.01	0.027	O	|	|	|	|	0.04
135.083	0.00	0.01	0.027	O	|	|	|	|	0.04
135.167	0.00	0.01	0.027	O	|	|	|	|	0.04
135.250	0.00	0.01	0.027	O	|	|	|	|	0.04
135.333	0.00	0.01	0.027	O	|	|	|	|	0.04
135.417	0.00	0.01	0.027	O	|	|	|	|	0.04
135.500	0.00	0.01	0.027	O	|	|	|	|	0.04
135.583	0.00	0.01	0.027	O	|	|	|	|	0.04
135.667	0.00	0.01	0.026	O	|	|	|	|	0.04
135.750	0.00	0.01	0.026	O	|	|	|	|	0.04
135.833	0.00	0.01	0.026	O	|	|	|	|	0.04
135.917	0.00	0.01	0.026	O	|	|	|	|	0.04
136.000	0.00	0.01	0.026	O	|	|	|	|	0.04
136.083	0.00	0.01	0.026	O	|	|	|	|	0.04
136.167	0.00	0.01	0.026	O	|	|	|	|	0.04
136.250	0.00	0.01	0.026	O	|	|	|	|	0.04
136.333	0.00	0.01	0.026	O	|	|	|	|	0.04
136.417	0.00	0.01	0.026	O	|	|	|	|	0.04
136.500	0.00	0.01	0.026	O	|	|	|	|	0.04
136.583	0.00	0.01	0.025	O	|	|	|	|	0.04
136.667	0.00	0.01	0.025	O	|	|	|	|	0.04
136.750	0.00	0.01	0.025	O	|	|	|	|	0.04
136.833	0.00	0.01	0.025	O	|	|	|	|	0.04
136.917	0.00	0.01	0.025	O	|	|	|	|	0.04
137.000	0.00	0.01	0.025	O	|	|	|	|	0.04
137.083	0.00	0.01	0.025	O	|	|	|	|	0.04
137.167	0.00	0.01	0.025	O	|	|	|	|	0.04
137.250	0.00	0.01	0.025	O	|	|	|	|	0.03
137.333	0.00	0.01	0.025	O	|	|	|	|	0.03
137.417	0.00	0.01	0.025	O	|	|	|	|	0.03
137.500	0.00	0.01	0.025	O	|	|	|	|	0.03
137.583	0.00	0.01	0.024	O	|	|	|	|	0.03
137.667	0.00	0.01	0.024	O	|	|	|	|	0.03
137.750	0.00	0.01	0.024	O	|	|	|	|	0.03
137.833	0.00	0.01	0.024	O	|	|	|	|	0.03
137.917	0.00	0.01	0.024	O	|	|	|	|	0.03
138.000	0.00	0.01	0.024	O	|	|	|	|	0.03
138.083	0.00	0.01	0.024	O	|	|	|	|	0.03
138.167	0.00	0.01	0.024	O	|	|	|	|	0.03
138.250	0.00	0.01	0.024	O	|	|	|	|	0.03
138.333	0.00	0.01	0.024	O	|	|	|	|	0.03
138.417	0.00	0.01	0.024	O	|	|	|	|	0.03
138.500	0.00	0.01	0.024	O	|	|	|	|	0.03
138.583	0.00	0.01	0.023	O	|	|	|	|	0.03
138.667	0.00	0.01	0.023	O	|	|	|	|	0.03
138.750	0.00	0.01	0.023	O	|	|	|	|	0.03
138.833	0.00	0.01	0.023	O	|	|	|	|	0.03
138.917	0.00	0.01	0.023	O	|	|	|	|	0.03
139.000	0.00	0.01	0.023	O	|	|	|	|	0.03
139.083	0.00	0.01	0.023	O	|	|	|	|	0.03
139.167	0.00	0.01	0.023	O	|	|	|	|	0.03
139.250	0.00	0.01	0.023	O	|	|	|	|	0.03
139.333	0.00	0.01	0.023	O	|	|	|	|	0.03
139.417	0.00	0.01	0.023	O	|	|	|	|	0.03
139.500	0.00	0.01	0.023	O	|	|	|	|	0.03
139.583	0.00	0.01	0.022	O	|	|	|	|	0.03
139.667	0.00	0.01	0.022	O	|	|	|	|	0.03
139.750	0.00	0.01	0.022	O	|	|	|	|	0.03
139.833	0.00	0.01	0.022	O	|	|	|	|	0.03
139.917	0.00	0.01	0.022	O	|	|	|	|	0.03
140.000	0.00	0.01	0.022	O	|	|	|	|	0.03

140.083	0.00	0.01	0.022	O	|	|	|	|	0.03
140.167	0.00	0.01	0.022	O	|	|	|	|	0.03
140.250	0.00	0.01	0.022	O	|	|	|	|	0.03
140.333	0.00	0.01	0.022	O	|	|	|	|	0.03
140.417	0.00	0.01	0.022	O	|	|	|	|	0.03
140.500	0.00	0.01	0.022	O	|	|	|	|	0.03
140.583	0.00	0.01	0.022	O	|	|	|	|	0.03
140.667	0.00	0.01	0.021	O	|	|	|	|	0.03
140.750	0.00	0.01	0.021	O	|	|	|	|	0.03
140.833	0.00	0.01	0.021	O	|	|	|	|	0.03
140.917	0.00	0.01	0.021	O	|	|	|	|	0.03
141.000	0.00	0.01	0.021	O	|	|	|	|	0.03
141.083	0.00	0.01	0.021	O	|	|	|	|	0.03
141.167	0.00	0.01	0.021	O	|	|	|	|	0.03
141.250	0.00	0.01	0.021	O	|	|	|	|	0.03
141.333	0.00	0.01	0.021	O	|	|	|	|	0.03
141.417	0.00	0.01	0.021	O	|	|	|	|	0.03
141.500	0.00	0.01	0.021	O	|	|	|	|	0.03
141.583	0.00	0.01	0.021	O	|	|	|	|	0.03
141.667	0.00	0.01	0.021	O	|	|	|	|	0.03
141.750	0.00	0.01	0.021	O	|	|	|	|	0.03
141.833	0.00	0.01	0.020	O	|	|	|	|	0.03
141.917	0.00	0.01	0.020	O	|	|	|	|	0.03
142.000	0.00	0.01	0.020	O	|	|	|	|	0.03
142.083	0.00	0.01	0.020	O	|	|	|	|	0.03
142.167	0.00	0.01	0.020	O	|	|	|	|	0.03
142.250	0.00	0.01	0.020	O	|	|	|	|	0.03
142.333	0.00	0.01	0.020	O	|	|	|	|	0.03
142.417	0.00	0.01	0.020	O	|	|	|	|	0.03
142.500	0.00	0.01	0.020	O	|	|	|	|	0.03
142.583	0.00	0.01	0.020	O	|	|	|	|	0.03
142.667	0.00	0.01	0.020	O	|	|	|	|	0.03
142.750	0.00	0.01	0.020	O	|	|	|	|	0.03
142.833	0.00	0.01	0.020	O	|	|	|	|	0.03
142.917	0.00	0.01	0.020	O	|	|	|	|	0.03
143.000	0.00	0.01	0.019	O	|	|	|	|	0.03
143.083	0.00	0.01	0.019	O	|	|	|	|	0.03
143.167	0.00	0.01	0.019	O	|	|	|	|	0.03
143.250	0.00	0.01	0.019	O	|	|	|	|	0.03
143.333	0.00	0.01	0.019	O	|	|	|	|	0.03
143.417	0.00	0.01	0.019	O	|	|	|	|	0.03
143.500	0.00	0.01	0.019	O	|	|	|	|	0.03
143.583	0.00	0.01	0.019	O	|	|	|	|	0.03
143.667	0.00	0.01	0.019	O	|	|	|	|	0.03
143.750	0.00	0.01	0.019	O	|	|	|	|	0.03
143.833	0.00	0.01	0.019	O	|	|	|	|	0.03
143.917	0.00	0.01	0.019	O	|	|	|	|	0.03
144.000	0.00	0.01	0.019	O	|	|	|	|	0.03
144.083	0.00	0.01	0.019	O	|	|	|	|	0.03
144.167	0.00	0.01	0.019	O	|	|	|	|	0.03
144.250	0.00	0.01	0.018	O	|	|	|	|	0.03
144.333	0.00	0.01	0.018	O	|	|	|	|	0.03
144.417	0.00	0.01	0.018	O	|	|	|	|	0.03
144.500	0.00	0.01	0.018	O	|	|	|	|	0.03
144.583	0.00	0.01	0.018	O	|	|	|	|	0.03
144.667	0.00	0.01	0.018	O	|	|	|	|	0.03
144.750	0.00	0.01	0.018	O	|	|	|	|	0.03
144.833	0.00	0.01	0.018	O	|	|	|	|	0.03
144.917	0.00	0.01	0.018	O	|	|	|	|	0.03
145.000	0.00	0.01	0.018	O	|	|	|	|	0.03
145.083	0.00	0.01	0.018	O	|	|	|	|	0.03
145.167	0.00	0.01	0.018	O	|	|	|	|	0.03
145.250	0.00	0.01	0.018	O	|	|	|	|	0.02
145.333	0.00	0.01	0.018	O	|	|	|	|	0.02
145.417	0.00	0.01	0.018	O	|	|	|	|	0.02
145.500	0.00	0.01	0.018	O	|	|	|	|	0.02
145.583	0.00	0.01	0.017	O	|	|	|	|	0.02

145.667	0.00	0.01	0.017	O	|	|	|	|	0.02
145.750	0.00	0.01	0.017	O	|	|	|	|	0.02
145.833	0.00	0.01	0.017	O	|	|	|	|	0.02
145.917	0.00	0.01	0.017	O	|	|	|	|	0.02
146.000	0.00	0.01	0.017	O	|	|	|	|	0.02
146.083	0.00	0.01	0.017	O	|	|	|	|	0.02
146.167	0.00	0.01	0.017	O	|	|	|	|	0.02
146.250	0.00	0.01	0.017	O	|	|	|	|	0.02
146.333	0.00	0.01	0.017	O	|	|	|	|	0.02
146.417	0.00	0.01	0.017	O	|	|	|	|	0.02
146.500	0.00	0.01	0.017	O	|	|	|	|	0.02
146.583	0.00	0.01	0.017	O	|	|	|	|	0.02
146.667	0.00	0.01	0.017	O	|	|	|	|	0.02
146.750	0.00	0.01	0.017	O	|	|	|	|	0.02
146.833	0.00	0.01	0.017	O	|	|	|	|	0.02
146.917	0.00	0.01	0.017	O	|	|	|	|	0.02
147.000	0.00	0.01	0.016	O	|	|	|	|	0.02
147.083	0.00	0.01	0.016	O	|	|	|	|	0.02
147.167	0.00	0.01	0.016	O	|	|	|	|	0.02
147.250	0.00	0.01	0.016	O	|	|	|	|	0.02
147.333	0.00	0.01	0.016	O	|	|	|	|	0.02
147.417	0.00	0.01	0.016	O	|	|	|	|	0.02
147.500	0.00	0.01	0.016	O	|	|	|	|	0.02
147.583	0.00	0.01	0.016	O	|	|	|	|	0.02
147.667	0.00	0.01	0.016	O	|	|	|	|	0.02
147.750	0.00	0.01	0.016	O	|	|	|	|	0.02
147.833	0.00	0.01	0.016	O	|	|	|	|	0.02
147.917	0.00	0.01	0.016	O	|	|	|	|	0.02
148.000	0.00	0.01	0.016	O	|	|	|	|	0.02
148.083	0.00	0.01	0.016	O	|	|	|	|	0.02
148.167	0.00	0.01	0.016	O	|	|	|	|	0.02
148.250	0.00	0.01	0.016	O	|	|	|	|	0.02
148.333	0.00	0.01	0.016	O	|	|	|	|	0.02
148.417	0.00	0.01	0.016	O	|	|	|	|	0.02
148.500	0.00	0.01	0.015	O	|	|	|	|	0.02
148.583	0.00	0.01	0.015	O	|	|	|	|	0.02
148.667	0.00	0.01	0.015	O	|	|	|	|	0.02
148.750	0.00	0.01	0.015	O	|	|	|	|	0.02
148.833	0.00	0.01	0.015	O	|	|	|	|	0.02
148.917	0.00	0.01	0.015	O	|	|	|	|	0.02
149.000	0.00	0.01	0.015	O	|	|	|	|	0.02
149.083	0.00	0.01	0.015	O	|	|	|	|	0.02
149.167	0.00	0.01	0.015	O	|	|	|	|	0.02
149.250	0.00	0.01	0.015	O	|	|	|	|	0.02
149.333	0.00	0.01	0.015	O	|	|	|	|	0.02
149.417	0.00	0.01	0.015	O	|	|	|	|	0.02
149.500	0.00	0.01	0.015	O	|	|	|	|	0.02
149.583	0.00	0.01	0.015	O	|	|	|	|	0.02
149.667	0.00	0.01	0.015	O	|	|	|	|	0.02
149.750	0.00	0.01	0.015	O	|	|	|	|	0.02
149.833	0.00	0.01	0.015	O	|	|	|	|	0.02
149.917	0.00	0.01	0.015	O	|	|	|	|	0.02
150.000	0.00	0.01	0.015	O	|	|	|	|	0.02
150.083	0.00	0.01	0.014	O	|	|	|	|	0.02
150.167	0.00	0.01	0.014	O	|	|	|	|	0.02
150.250	0.00	0.01	0.014	O	|	|	|	|	0.02
150.333	0.00	0.01	0.014	O	|	|	|	|	0.02
150.417	0.00	0.01	0.014	O	|	|	|	|	0.02
150.500	0.00	0.01	0.014	O	|	|	|	|	0.02
150.583	0.00	0.01	0.014	O	|	|	|	|	0.02
150.667	0.00	0.01	0.014	O	|	|	|	|	0.02
150.750	0.00	0.01	0.014	O	|	|	|	|	0.02
150.833	0.00	0.01	0.014	O	|	|	|	|	0.02
150.917	0.00	0.01	0.014	O	|	|	|	|	0.02
151.000	0.00	0.01	0.014	O	|	|	|	|	0.02
151.083	0.00	0.01	0.014	O	|	|	|	|	0.02
151.167	0.00	0.01	0.014	O	|	|	|	|	0.02

151.250	0.00	0.01	0.014	O	|	|	|	|	0.02
151.333	0.00	0.01	0.014	O	|	|	|	|	0.02
151.417	0.00	0.01	0.014	O	|	|	|	|	0.02
151.500	0.00	0.01	0.014	O	|	|	|	|	0.02
151.583	0.00	0.01	0.014	O	|	|	|	|	0.02
151.667	0.00	0.01	0.014	O	|	|	|	|	0.02
151.750	0.00	0.01	0.013	O	|	|	|	|	0.02
151.833	0.00	0.01	0.013	O	|	|	|	|	0.02
151.917	0.00	0.01	0.013	O	|	|	|	|	0.02
152.000	0.00	0.01	0.013	O	|	|	|	|	0.02
152.083	0.00	0.01	0.013	O	|	|	|	|	0.02
152.167	0.00	0.01	0.013	O	|	|	|	|	0.02
152.250	0.00	0.01	0.013	O	|	|	|	|	0.02
152.333	0.00	0.01	0.013	O	|	|	|	|	0.02
152.417	0.00	0.01	0.013	O	|	|	|	|	0.02
152.500	0.00	0.01	0.013	O	|	|	|	|	0.02
152.583	0.00	0.01	0.013	O	|	|	|	|	0.02
152.667	0.00	0.01	0.013	O	|	|	|	|	0.02
152.750	0.00	0.01	0.013	O	|	|	|	|	0.02
152.833	0.00	0.01	0.013	O	|	|	|	|	0.02
152.917	0.00	0.01	0.013	O	|	|	|	|	0.02
153.000	0.00	0.01	0.013	O	|	|	|	|	0.02
153.083	0.00	0.01	0.013	O	|	|	|	|	0.02
153.167	0.00	0.01	0.013	O	|	|	|	|	0.02
153.250	0.00	0.01	0.013	O	|	|	|	|	0.02
153.333	0.00	0.01	0.013	O	|	|	|	|	0.02
153.417	0.00	0.01	0.013	O	|	|	|	|	0.02
153.500	0.00	0.01	0.013	O	|	|	|	|	0.02
153.583	0.00	0.01	0.013	O	|	|	|	|	0.02
153.667	0.00	0.01	0.012	O	|	|	|	|	0.02
153.750	0.00	0.01	0.012	O	|	|	|	|	0.02
153.833	0.00	0.01	0.012	O	|	|	|	|	0.02
153.917	0.00	0.01	0.012	O	|	|	|	|	0.02
154.000	0.00	0.01	0.012	O	|	|	|	|	0.02
154.083	0.00	0.01	0.012	O	|	|	|	|	0.02
154.167	0.00	0.01	0.012	O	|	|	|	|	0.02
154.250	0.00	0.01	0.012	O	|	|	|	|	0.02
154.333	0.00	0.01	0.012	O	|	|	|	|	0.02
154.417	0.00	0.01	0.012	O	|	|	|	|	0.02
154.500	0.00	0.01	0.012	O	|	|	|	|	0.02
154.583	0.00	0.01	0.012	O	|	|	|	|	0.02
154.667	0.00	0.01	0.012	O	|	|	|	|	0.02
154.750	0.00	0.01	0.012	O	|	|	|	|	0.02
154.833	0.00	0.01	0.012	O	|	|	|	|	0.02
154.917	0.00	0.01	0.012	O	|	|	|	|	0.02
155.000	0.00	0.01	0.012	O	|	|	|	|	0.02
155.083	0.00	0.01	0.012	O	|	|	|	|	0.02
155.167	0.00	0.01	0.012	O	|	|	|	|	0.02
155.250	0.00	0.01	0.012	O	|	|	|	|	0.02
155.333	0.00	0.01	0.012	O	|	|	|	|	0.02
155.417	0.00	0.01	0.012	O	|	|	|	|	0.02
155.500	0.00	0.01	0.012	O	|	|	|	|	0.02
155.583	0.00	0.01	0.011	O	|	|	|	|	0.02
155.667	0.00	0.01	0.011	O	|	|	|	|	0.02
155.750	0.00	0.01	0.011	O	|	|	|	|	0.02
155.833	0.00	0.01	0.011	O	|	|	|	|	0.02
155.917	0.00	0.01	0.011	O	|	|	|	|	0.02
156.000	0.00	0.01	0.011	O	|	|	|	|	0.02
156.083	0.00	0.01	0.011	O	|	|	|	|	0.02
156.167	0.00	0.01	0.011	O	|	|	|	|	0.02
156.250	0.00	0.01	0.011	O	|	|	|	|	0.02
156.333	0.00	0.01	0.011	O	|	|	|	|	0.02
156.417	0.00	0.01	0.011	O	|	|	|	|	0.02
156.500	0.00	0.01	0.011	O	|	|	|	|	0.02
156.583	0.00	0.01	0.011	O	|	|	|	|	0.02
156.667	0.00	0.01	0.011	O	|	|	|	|	0.02
156.750	0.00	0.01	0.011	O	|	|	|	|	0.02

156.833	0.00	0.01	0.011	O	|	|	|	|	0.02
156.917	0.00	0.01	0.011	O	|	|	|	|	0.02
157.000	0.00	0.01	0.011	O	|	|	|	|	0.02
157.083	0.00	0.01	0.011	O	|	|	|	|	0.02
157.167	0.00	0.01	0.011	O	|	|	|	|	0.02
157.250	0.00	0.01	0.011	O	|	|	|	|	0.02
157.333	0.00	0.01	0.011	O	|	|	|	|	0.02
157.417	0.00	0.01	0.011	O	|	|	|	|	0.01
157.500	0.00	0.01	0.011	O	|	|	|	|	0.01
157.583	0.00	0.01	0.011	O	|	|	|	|	0.01
157.667	0.00	0.01	0.011	O	|	|	|	|	0.01
157.750	0.00	0.01	0.010	O	|	|	|	|	0.01
157.833	0.00	0.01	0.010	O	|	|	|	|	0.01
157.917	0.00	0.01	0.010	O	|	|	|	|	0.01
158.000	0.00	0.01	0.010	O	|	|	|	|	0.01
158.083	0.00	0.01	0.010	O	|	|	|	|	0.01
158.167	0.00	0.01	0.010	O	|	|	|	|	0.01
158.250	0.00	0.01	0.010	O	|	|	|	|	0.01
158.333	0.00	0.01	0.010	O	|	|	|	|	0.01
158.417	0.00	0.01	0.010	O	|	|	|	|	0.01
158.500	0.00	0.01	0.010	O	|	|	|	|	0.01
158.583	0.00	0.01	0.010	O	|	|	|	|	0.01
158.667	0.00	0.01	0.010	O	|	|	|	|	0.01
158.750	0.00	0.01	0.010	O	|	|	|	|	0.01
158.833	0.00	0.01	0.010	O	|	|	|	|	0.01
158.917	0.00	0.01	0.010	O	|	|	|	|	0.01
159.000	0.00	0.01	0.010	O	|	|	|	|	0.01
159.083	0.00	0.01	0.010	O	|	|	|	|	0.01
159.167	0.00	0.01	0.010	O	|	|	|	|	0.01
159.250	0.00	0.00	0.010	O	|	|	|	|	0.01
159.333	0.00	0.00	0.010	O	|	|	|	|	0.01
159.417	0.00	0.00	0.010	O	|	|	|	|	0.01
159.500	0.00	0.00	0.010	O	|	|	|	|	0.01
159.583	0.00	0.00	0.010	O	|	|	|	|	0.01
159.667	0.00	0.00	0.010	O	|	|	|	|	0.01
159.750	0.00	0.00	0.010	O	|	|	|	|	0.01
159.833	0.00	0.00	0.010	O	|	|	|	|	0.01
159.917	0.00	0.00	0.010	O	|	|	|	|	0.01
160.000	0.00	0.00	0.010	O	|	|	|	|	0.01
160.083	0.00	0.00	0.010	O	|	|	|	|	0.01
160.167	0.00	0.00	0.009	O	|	|	|	|	0.01
160.250	0.00	0.00	0.009	O	|	|	|	|	0.01
160.333	0.00	0.00	0.009	O	|	|	|	|	0.01
160.417	0.00	0.00	0.009	O	|	|	|	|	0.01
160.500	0.00	0.00	0.009	O	|	|	|	|	0.01
160.583	0.00	0.00	0.009	O	|	|	|	|	0.01
160.667	0.00	0.00	0.009	O	|	|	|	|	0.01
160.750	0.00	0.00	0.009	O	|	|	|	|	0.01
160.833	0.00	0.00	0.009	O	|	|	|	|	0.01
160.917	0.00	0.00	0.009	O	|	|	|	|	0.01
161.000	0.00	0.00	0.009	O	|	|	|	|	0.01
161.083	0.00	0.00	0.009	O	|	|	|	|	0.01
161.167	0.00	0.00	0.009	O	|	|	|	|	0.01
161.250	0.00	0.00	0.009	O	|	|	|	|	0.01
161.333	0.00	0.00	0.009	O	|	|	|	|	0.01
161.417	0.00	0.00	0.009	O	|	|	|	|	0.01
161.500	0.00	0.00	0.009	O	|	|	|	|	0.01
161.583	0.00	0.00	0.009	O	|	|	|	|	0.01
161.667	0.00	0.00	0.009	O	|	|	|	|	0.01
161.750	0.00	0.00	0.009	O	|	|	|	|	0.01
161.833	0.00	0.00	0.009	O	|	|	|	|	0.01
161.917	0.00	0.00	0.009	O	|	|	|	|	0.01
162.000	0.00	0.00	0.009	O	|	|	|	|	0.01
162.083	0.00	0.00	0.009	O	|	|	|	|	0.01
162.167	0.00	0.00	0.009	O	|	|	|	|	0.01
162.250	0.00	0.00	0.009	O	|	|	|	|	0.01
162.333	0.00	0.00	0.009	O	|	|	|	|	0.01

162.417	0.00	0.00	0.009	O	|	|	|	| 0.01
162.500	0.00	0.00	0.009	O	|	|	|	| 0.01
162.583	0.00	0.00	0.009	O	|	|	|	| 0.01
162.667	0.00	0.00	0.009	O	|	|	|	| 0.01
162.750	0.00	0.00	0.009	O	|	|	|	| 0.01
162.833	0.00	0.00	0.008	O	|	|	|	| 0.01
162.917	0.00	0.00	0.008	O	|	|	|	| 0.01
163.000	0.00	0.00	0.008	O	|	|	|	| 0.01
163.083	0.00	0.00	0.008	O	|	|	|	| 0.01
163.167	0.00	0.00	0.008	O	|	|	|	| 0.01
163.250	0.00	0.00	0.008	O	|	|	|	| 0.01
163.333	0.00	0.00	0.008	O	|	|	|	| 0.01
163.417	0.00	0.00	0.008	O	|	|	|	| 0.01
163.500	0.00	0.00	0.008	O	|	|	|	| 0.01
163.583	0.00	0.00	0.008	O	|	|	|	| 0.01
163.667	0.00	0.00	0.008	O	|	|	|	| 0.01
163.750	0.00	0.00	0.008	O	|	|	|	| 0.01
163.833	0.00	0.00	0.008	O	|	|	|	| 0.01
163.917	0.00	0.00	0.008	O	|	|	|	| 0.01
164.000	0.00	0.00	0.008	O	|	|	|	| 0.01
164.083	0.00	0.00	0.008	O	|	|	|	| 0.01
164.167	0.00	0.00	0.008	O	|	|	|	| 0.01
164.250	0.00	0.00	0.008	O	|	|	|	| 0.01
164.333	0.00	0.00	0.008	O	|	|	|	| 0.01
164.417	0.00	0.00	0.008	O	|	|	|	| 0.01
164.500	0.00	0.00	0.008	O	|	|	|	| 0.01
164.583	0.00	0.00	0.008	O	|	|	|	| 0.01
164.667	0.00	0.00	0.008	O	|	|	|	| 0.01
164.750	0.00	0.00	0.008	O	|	|	|	| 0.01
164.833	0.00	0.00	0.008	O	|	|	|	| 0.01
164.917	0.00	0.00	0.008	O	|	|	|	| 0.01
165.000	0.00	0.00	0.008	O	|	|	|	| 0.01
165.083	0.00	0.00	0.008	O	|	|	|	| 0.01
165.167	0.00	0.00	0.008	O	|	|	|	| 0.01
165.250	0.00	0.00	0.008	O	|	|	|	| 0.01
165.333	0.00	0.00	0.008	O	|	|	|	| 0.01
165.417	0.00	0.00	0.008	O	|	|	|	| 0.01
165.500	0.00	0.00	0.008	O	|	|	|	| 0.01
165.583	0.00	0.00	0.008	O	|	|	|	| 0.01
165.667	0.00	0.00	0.008	O	|	|	|	| 0.01
165.750	0.00	0.00	0.008	O	|	|	|	| 0.01
165.833	0.00	0.00	0.007	O	|	|	|	| 0.01
165.917	0.00	0.00	0.007	O	|	|	|	| 0.01
166.000	0.00	0.00	0.007	O	|	|	|	| 0.01
166.083	0.00	0.00	0.007	O	|	|	|	| 0.01
166.167	0.00	0.00	0.007	O	|	|	|	| 0.01
166.250	0.00	0.00	0.007	O	|	|	|	| 0.01
166.333	0.00	0.00	0.007	O	|	|	|	| 0.01
166.417	0.00	0.00	0.007	O	|	|	|	| 0.01
166.500	0.00	0.00	0.007	O	|	|	|	| 0.01
166.583	0.00	0.00	0.007	O	|	|	|	| 0.01
166.667	0.00	0.00	0.007	O	|	|	|	| 0.01
166.750	0.00	0.00	0.007	O	|	|	|	| 0.01
166.833	0.00	0.00	0.007	O	|	|	|	| 0.01
166.917	0.00	0.00	0.007	O	|	|	|	| 0.01
167.000	0.00	0.00	0.007	O	|	|	|	| 0.01
167.083	0.00	0.00	0.007	O	|	|	|	| 0.01
167.167	0.00	0.00	0.007	O	|	|	|	| 0.01
167.250	0.00	0.00	0.007	O	|	|	|	| 0.01
167.333	0.00	0.00	0.007	O	|	|	|	| 0.01
167.417	0.00	0.00	0.007	O	|	|	|	| 0.01
167.500	0.00	0.00	0.007	O	|	|	|	| 0.01
167.583	0.00	0.00	0.007	O	|	|	|	| 0.01
167.667	0.00	0.00	0.007	O	|	|	|	| 0.01
167.750	0.00	0.00	0.007	O	|	|	|	| 0.01
167.833	0.00	0.00	0.007	O	|	|	|	| 0.01
167.917	0.00	0.00	0.007	O	|	|	|	| 0.01

168.000	0.00	0.00	0.007	O	|	|	|	|	0.01
168.083	0.00	0.00	0.007	O	|	|	|	|	0.01
168.167	0.00	0.00	0.007	O	|	|	|	|	0.01
168.250	0.00	0.00	0.007	O	|	|	|	|	0.01
168.333	0.00	0.00	0.007	O	|	|	|	|	0.01
168.417	0.00	0.00	0.007	O	|	|	|	|	0.01
168.500	0.00	0.00	0.007	O	|	|	|	|	0.01
168.583	0.00	0.00	0.007	O	|	|	|	|	0.01
168.667	0.00	0.00	0.007	O	|	|	|	|	0.01
168.750	0.00	0.00	0.007	O	|	|	|	|	0.01
168.833	0.00	0.00	0.007	O	|	|	|	|	0.01
168.917	0.00	0.00	0.007	O	|	|	|	|	0.01
169.000	0.00	0.00	0.007	O	|	|	|	|	0.01
169.083	0.00	0.00	0.007	O	|	|	|	|	0.01
169.167	0.00	0.00	0.007	O	|	|	|	|	0.01
169.250	0.00	0.00	0.006	O	|	|	|	|	0.01
169.333	0.00	0.00	0.006	O	|	|	|	|	0.01
169.417	0.00	0.00	0.006	O	|	|	|	|	0.01
169.500	0.00	0.00	0.006	O	|	|	|	|	0.01
169.583	0.00	0.00	0.006	O	|	|	|	|	0.01
169.667	0.00	0.00	0.006	O	|	|	|	|	0.01
169.750	0.00	0.00	0.006	O	|	|	|	|	0.01
169.833	0.00	0.00	0.006	O	|	|	|	|	0.01
169.917	0.00	0.00	0.006	O	|	|	|	|	0.01
170.000	0.00	0.00	0.006	O	|	|	|	|	0.01
170.083	0.00	0.00	0.006	O	|	|	|	|	0.01
170.167	0.00	0.00	0.006	O	|	|	|	|	0.01
170.250	0.00	0.00	0.006	O	|	|	|	|	0.01
170.333	0.00	0.00	0.006	O	|	|	|	|	0.01
170.417	0.00	0.00	0.006	O	|	|	|	|	0.01
170.500	0.00	0.00	0.006	O	|	|	|	|	0.01
170.583	0.00	0.00	0.006	O	|	|	|	|	0.01
170.667	0.00	0.00	0.006	O	|	|	|	|	0.01
170.750	0.00	0.00	0.006	O	|	|	|	|	0.01
170.833	0.00	0.00	0.006	O	|	|	|	|	0.01
170.917	0.00	0.00	0.006	O	|	|	|	|	0.01
171.000	0.00	0.00	0.006	O	|	|	|	|	0.01
171.083	0.00	0.00	0.006	O	|	|	|	|	0.01
171.167	0.00	0.00	0.006	O	|	|	|	|	0.01
171.250	0.00	0.00	0.006	O	|	|	|	|	0.01
171.333	0.00	0.00	0.006	O	|	|	|	|	0.01
171.417	0.00	0.00	0.006	O	|	|	|	|	0.01
171.500	0.00	0.00	0.006	O	|	|	|	|	0.01
171.583	0.00	0.00	0.006	O	|	|	|	|	0.01
171.667	0.00	0.00	0.006	O	|	|	|	|	0.01
171.750	0.00	0.00	0.006	O	|	|	|	|	0.01
171.833	0.00	0.00	0.006	O	|	|	|	|	0.01
171.917	0.00	0.00	0.006	O	|	|	|	|	0.01
172.000	0.00	0.00	0.006	O	|	|	|	|	0.01
172.083	0.00	0.00	0.006	O	|	|	|	|	0.01
172.167	0.00	0.00	0.006	O	|	|	|	|	0.01
172.250	0.00	0.00	0.006	O	|	|	|	|	0.01
172.333	0.00	0.00	0.006	O	|	|	|	|	0.01
172.417	0.00	0.00	0.006	O	|	|	|	|	0.01
172.500	0.00	0.00	0.006	O	|	|	|	|	0.01
172.583	0.00	0.00	0.006	O	|	|	|	|	0.01
172.667	0.00	0.00	0.006	O	|	|	|	|	0.01
172.750	0.00	0.00	0.006	O	|	|	|	|	0.01
172.833	0.00	0.00	0.006	O	|	|	|	|	0.01
172.917	0.00	0.00	0.006	O	|	|	|	|	0.01
173.000	0.00	0.00	0.006	O	|	|	|	|	0.01
173.083	0.00	0.00	0.006	O	|	|	|	|	0.01
173.167	0.00	0.00	0.006	O	|	|	|	|	0.01
173.250	0.00	0.00	0.005	O	|	|	|	|	0.01
173.333	0.00	0.00	0.005	O	|	|	|	|	0.01
173.417	0.00	0.00	0.005	O	|	|	|	|	0.01
173.500	0.00	0.00	0.005	O	|	|	|	|	0.01

173.583	0.00	0.00	0.005	O	|	|	|	0.01
173.667	0.00	0.00	0.005	O	|	|	|	0.01
173.750	0.00	0.00	0.005	O	|	|	|	0.01
173.833	0.00	0.00	0.005	O	|	|	|	0.01
173.917	0.00	0.00	0.005	O	|	|	|	0.01
174.000	0.00	0.00	0.005	O	|	|	|	0.01
174.083	0.00	0.00	0.005	O	|	|	|	0.01
174.167	0.00	0.00	0.005	O	|	|	|	0.01
174.250	0.00	0.00	0.005	O	|	|	|	0.01
174.333	0.00	0.00	0.005	O	|	|	|	0.01
174.417	0.00	0.00	0.005	O	|	|	|	0.01
174.500	0.00	0.00	0.005	O	|	|	|	0.01
174.583	0.00	0.00	0.005	O	|	|	|	0.01
174.667	0.00	0.00	0.005	O	|	|	|	0.01
174.750	0.00	0.00	0.005	O	|	|	|	0.01
174.833	0.00	0.00	0.005	O	|	|	|	0.01
174.917	0.00	0.00	0.005	O	|	|	|	0.01
175.000	0.00	0.00	0.005	O	|	|	|	0.01
175.083	0.00	0.00	0.005	O	|	|	|	0.01
175.167	0.00	0.00	0.005	O	|	|	|	0.01
175.250	0.00	0.00	0.005	O	|	|	|	0.01
175.333	0.00	0.00	0.005	O	|	|	|	0.01
175.417	0.00	0.00	0.005	O	|	|	|	0.01
175.500	0.00	0.00	0.005	O	|	|	|	0.01
175.583	0.00	0.00	0.005	O	|	|	|	0.01
175.667	0.00	0.00	0.005	O	|	|	|	0.01
175.750	0.00	0.00	0.005	O	|	|	|	0.01
175.833	0.00	0.00	0.005	O	|	|	|	0.01
175.917	0.00	0.00	0.005	O	|	|	|	0.01
176.000	0.00	0.00	0.005	O	|	|	|	0.01
176.083	0.00	0.00	0.005	O	|	|	|	0.01
176.167	0.00	0.00	0.005	O	|	|	|	0.01
176.250	0.00	0.00	0.005	O	|	|	|	0.01
176.333	0.00	0.00	0.005	O	|	|	|	0.01
176.417	0.00	0.00	0.005	O	|	|	|	0.01
176.500	0.00	0.00	0.005	O	|	|	|	0.01
176.583	0.00	0.00	0.005	O	|	|	|	0.01
176.667	0.00	0.00	0.005	O	|	|	|	0.01
176.750	0.00	0.00	0.005	O	|	|	|	0.01
176.833	0.00	0.00	0.005	O	|	|	|	0.01
176.917	0.00	0.00	0.005	O	|	|	|	0.01
177.000	0.00	0.00	0.005	O	|	|	|	0.01
177.083	0.00	0.00	0.005	O	|	|	|	0.01
177.167	0.00	0.00	0.005	O	|	|	|	0.01
177.250	0.00	0.00	0.005	O	|	|	|	0.01
177.333	0.00	0.00	0.005	O	|	|	|	0.01
177.417	0.00	0.00	0.005	O	|	|	|	0.01
177.500	0.00	0.00	0.005	O	|	|	|	0.01
177.583	0.00	0.00	0.005	O	|	|	|	0.01
177.667	0.00	0.00	0.005	O	|	|	|	0.01
177.750	0.00	0.00	0.005	O	|	|	|	0.01
177.833	0.00	0.00	0.005	O	|	|	|	0.01
177.917	0.00	0.00	0.005	O	|	|	|	0.01
178.000	0.00	0.00	0.004	O	|	|	|	0.01
178.083	0.00	0.00	0.004	O	|	|	|	0.01
178.167	0.00	0.00	0.004	O	|	|	|	0.01
178.250	0.00	0.00	0.004	O	|	|	|	0.01
178.333	0.00	0.00	0.004	O	|	|	|	0.01
178.417	0.00	0.00	0.004	O	|	|	|	0.01
178.500	0.00	0.00	0.004	O	|	|	|	0.01
178.583	0.00	0.00	0.004	O	|	|	|	0.01
178.667	0.00	0.00	0.004	O	|	|	|	0.01
178.750	0.00	0.00	0.004	O	|	|	|	0.01
178.833	0.00	0.00	0.004	O	|	|	|	0.01
178.917	0.00	0.00	0.004	O	|	|	|	0.01
179.000	0.00	0.00	0.004	O	|	|	|	0.01
179.083	0.00	0.00	0.004	O	|	|	|	0.01

179.167	0.00	0.00	0.004	O	|	|	|	|	0.01
179.250	0.00	0.00	0.004	O	|	|	|	|	0.01
179.333	0.00	0.00	0.004	O	|	|	|	|	0.01
179.417	0.00	0.00	0.004	O	|	|	|	|	0.01
179.500	0.00	0.00	0.004	O	|	|	|	|	0.01
179.583	0.00	0.00	0.004	O	|	|	|	|	0.01
179.667	0.00	0.00	0.004	O	|	|	|	|	0.01
179.750	0.00	0.00	0.004	O	|	|	|	|	0.01
179.833	0.00	0.00	0.004	O	|	|	|	|	0.01
179.917	0.00	0.00	0.004	O	|	|	|	|	0.01
180.000	0.00	0.00	0.004	O	|	|	|	|	0.01
180.083	0.00	0.00	0.004	O	|	|	|	|	0.01
180.167	0.00	0.00	0.004	O	|	|	|	|	0.01
180.250	0.00	0.00	0.004	O	|	|	|	|	0.01
180.333	0.00	0.00	0.004	O	|	|	|	|	0.01
180.417	0.00	0.00	0.004	O	|	|	|	|	0.01
180.500	0.00	0.00	0.004	O	|	|	|	|	0.01
180.583	0.00	0.00	0.004	O	|	|	|	|	0.01
180.667	0.00	0.00	0.004	O	|	|	|	|	0.01
180.750	0.00	0.00	0.004	O	|	|	|	|	0.01
180.833	0.00	0.00	0.004	O	|	|	|	|	0.01
180.917	0.00	0.00	0.004	O	|	|	|	|	0.01
181.000	0.00	0.00	0.004	O	|	|	|	|	0.01
181.083	0.00	0.00	0.004	O	|	|	|	|	0.01
181.167	0.00	0.00	0.004	O	|	|	|	|	0.01
181.250	0.00	0.00	0.004	O	|	|	|	|	0.01
181.333	0.00	0.00	0.004	O	|	|	|	|	0.01
181.417	0.00	0.00	0.004	O	|	|	|	|	0.01
181.500	0.00	0.00	0.004	O	|	|	|	|	0.01
181.583	0.00	0.00	0.004	O	|	|	|	|	0.01
181.667	0.00	0.00	0.004	O	|	|	|	|	0.01
181.750	0.00	0.00	0.004	O	|	|	|	|	0.01
181.833	0.00	0.00	0.004	O	|	|	|	|	0.01
181.917	0.00	0.00	0.004	O	|	|	|	|	0.01
182.000	0.00	0.00	0.004	O	|	|	|	|	0.01
182.083	0.00	0.00	0.004	O	|	|	|	|	0.01
182.167	0.00	0.00	0.004	O	|	|	|	|	0.01
182.250	0.00	0.00	0.004	O	|	|	|	|	0.01
182.333	0.00	0.00	0.004	O	|	|	|	|	0.01
182.417	0.00	0.00	0.004	O	|	|	|	|	0.01
182.500	0.00	0.00	0.004	O	|	|	|	|	0.01
182.583	0.00	0.00	0.004	O	|	|	|	|	0.01
182.667	0.00	0.00	0.004	O	|	|	|	|	0.01
182.750	0.00	0.00	0.004	O	|	|	|	|	0.01
182.833	0.00	0.00	0.004	O	|	|	|	|	0.01
182.917	0.00	0.00	0.004	O	|	|	|	|	0.01
183.000	0.00	0.00	0.004	O	|	|	|	|	0.01
183.083	0.00	0.00	0.004	O	|	|	|	|	0.01
183.167	0.00	0.00	0.004	O	|	|	|	|	0.01
183.250	0.00	0.00	0.004	O	|	|	|	|	0.01
183.333	0.00	0.00	0.004	O	|	|	|	|	0.01
183.417	0.00	0.00	0.004	O	|	|	|	|	0.01
183.500	0.00	0.00	0.004	O	|	|	|	|	0.01
183.583	0.00	0.00	0.004	O	|	|	|	|	0.01
183.667	0.00	0.00	0.004	O	|	|	|	|	0.00
183.750	0.00	0.00	0.004	O	|	|	|	|	0.00
183.833	0.00	0.00	0.004	O	|	|	|	|	0.00
183.917	0.00	0.00	0.004	O	|	|	|	|	0.00
184.000	0.00	0.00	0.003	O	|	|	|	|	0.00
184.083	0.00	0.00	0.003	O	|	|	|	|	0.00
184.167	0.00	0.00	0.003	O	|	|	|	|	0.00
184.250	0.00	0.00	0.003	O	|	|	|	|	0.00
184.333	0.00	0.00	0.003	O	|	|	|	|	0.00
184.417	0.00	0.00	0.003	O	|	|	|	|	0.00
184.500	0.00	0.00	0.003	O	|	|	|	|	0.00
184.583	0.00	0.00	0.003	O	|	|	|	|	0.00
184.667	0.00	0.00	0.003	O	|	|	|	|	0.00

184.750	0.00	0.00	0.003	O	|	|	|	0.00
184.833	0.00	0.00	0.003	O	|	|	|	0.00
184.917	0.00	0.00	0.003	O	|	|	|	0.00
185.000	0.00	0.00	0.003	O	|	|	|	0.00
185.083	0.00	0.00	0.003	O	|	|	|	0.00
185.167	0.00	0.00	0.003	O	|	|	|	0.00
185.250	0.00	0.00	0.003	O	|	|	|	0.00
185.333	0.00	0.00	0.003	O	|	|	|	0.00
185.417	0.00	0.00	0.003	O	|	|	|	0.00
185.500	0.00	0.00	0.003	O	|	|	|	0.00
185.583	0.00	0.00	0.003	O	|	|	|	0.00
185.667	0.00	0.00	0.003	O	|	|	|	0.00
185.750	0.00	0.00	0.003	O	|	|	|	0.00
185.833	0.00	0.00	0.003	O	|	|	|	0.00
185.917	0.00	0.00	0.003	O	|	|	|	0.00
186.000	0.00	0.00	0.003	O	|	|	|	0.00
186.083	0.00	0.00	0.003	O	|	|	|	0.00
186.167	0.00	0.00	0.003	O	|	|	|	0.00
186.250	0.00	0.00	0.003	O	|	|	|	0.00
186.333	0.00	0.00	0.003	O	|	|	|	0.00
186.417	0.00	0.00	0.003	O	|	|	|	0.00
186.500	0.00	0.00	0.003	O	|	|	|	0.00
186.583	0.00	0.00	0.003	O	|	|	|	0.00
186.667	0.00	0.00	0.003	O	|	|	|	0.00
186.750	0.00	0.00	0.003	O	|	|	|	0.00
186.833	0.00	0.00	0.003	O	|	|	|	0.00
186.917	0.00	0.00	0.003	O	|	|	|	0.00
187.000	0.00	0.00	0.003	O	|	|	|	0.00
187.083	0.00	0.00	0.003	O	|	|	|	0.00
187.167	0.00	0.00	0.003	O	|	|	|	0.00
187.250	0.00	0.00	0.003	O	|	|	|	0.00
187.333	0.00	0.00	0.003	O	|	|	|	0.00
187.417	0.00	0.00	0.003	O	|	|	|	0.00
187.500	0.00	0.00	0.003	O	|	|	|	0.00
187.583	0.00	0.00	0.003	O	|	|	|	0.00
187.667	0.00	0.00	0.003	O	|	|	|	0.00
187.750	0.00	0.00	0.003	O	|	|	|	0.00
187.833	0.00	0.00	0.003	O	|	|	|	0.00
187.917	0.00	0.00	0.003	O	|	|	|	0.00
188.000	0.00	0.00	0.003	O	|	|	|	0.00
188.083	0.00	0.00	0.003	O	|	|	|	0.00
188.167	0.00	0.00	0.003	O	|	|	|	0.00
188.250	0.00	0.00	0.003	O	|	|	|	0.00
188.333	0.00	0.00	0.003	O	|	|	|	0.00
188.417	0.00	0.00	0.003	O	|	|	|	0.00
188.500	0.00	0.00	0.003	O	|	|	|	0.00
188.583	0.00	0.00	0.003	O	|	|	|	0.00
188.667	0.00	0.00	0.003	O	|	|	|	0.00
188.750	0.00	0.00	0.003	O	|	|	|	0.00
188.833	0.00	0.00	0.003	O	|	|	|	0.00
188.917	0.00	0.00	0.003	O	|	|	|	0.00
189.000	0.00	0.00	0.003	O	|	|	|	0.00
189.083	0.00	0.00	0.003	O	|	|	|	0.00
189.167	0.00	0.00	0.003	O	|	|	|	0.00
189.250	0.00	0.00	0.003	O	|	|	|	0.00
189.333	0.00	0.00	0.003	O	|	|	|	0.00
189.417	0.00	0.00	0.003	O	|	|	|	0.00
189.500	0.00	0.00	0.003	O	|	|	|	0.00
189.583	0.00	0.00	0.003	O	|	|	|	0.00
189.667	0.00	0.00	0.003	O	|	|	|	0.00
189.750	0.00	0.00	0.003	O	|	|	|	0.00
189.833	0.00	0.00	0.003	O	|	|	|	0.00
189.917	0.00	0.00	0.003	O	|	|	|	0.00
190.000	0.00	0.00	0.003	O	|	|	|	0.00
190.083	0.00	0.00	0.003	O	|	|	|	0.00
190.167	0.00	0.00	0.003	O	|	|	|	0.00
190.250	0.00	0.00	0.003	O	|	|	|	0.00

190.333	0.00	0.00	0.003	O	|	|	|	0.00
190.417	0.00	0.00	0.003	O	|	|	|	0.00
190.500	0.00	0.00	0.003	O	|	|	|	0.00
190.583	0.00	0.00	0.003	O	|	|	|	0.00
190.667	0.00	0.00	0.003	O	|	|	|	0.00
190.750	0.00	0.00	0.003	O	|	|	|	0.00
190.833	0.00	0.00	0.003	O	|	|	|	0.00
190.917	0.00	0.00	0.003	O	|	|	|	0.00
191.000	0.00	0.00	0.003	O	|	|	|	0.00
191.083	0.00	0.00	0.003	O	|	|	|	0.00
191.167	0.00	0.00	0.003	O	|	|	|	0.00
191.250	0.00	0.00	0.003	O	|	|	|	0.00
191.333	0.00	0.00	0.003	O	|	|	|	0.00
191.417	0.00	0.00	0.003	O	|	|	|	0.00
191.500	0.00	0.00	0.003	O	|	|	|	0.00
191.583	0.00	0.00	0.003	O	|	|	|	0.00
191.667	0.00	0.00	0.003	O	|	|	|	0.00
191.750	0.00	0.00	0.003	O	|	|	|	0.00
191.833	0.00	0.00	0.003	O	|	|	|	0.00
191.917	0.00	0.00	0.003	O	|	|	|	0.00
192.000	0.00	0.00	0.002	O	|	|	|	0.00
192.083	0.00	0.00	0.002	O	|	|	|	0.00
192.167	0.00	0.00	0.002	O	|	|	|	0.00
192.250	0.00	0.00	0.002	O	|	|	|	0.00
192.333	0.00	0.00	0.002	O	|	|	|	0.00
192.417	0.00	0.00	0.002	O	|	|	|	0.00
192.500	0.00	0.00	0.002	O	|	|	|	0.00
192.583	0.00	0.00	0.002	O	|	|	|	0.00
192.667	0.00	0.00	0.002	O	|	|	|	0.00
192.750	0.00	0.00	0.002	O	|	|	|	0.00
192.833	0.00	0.00	0.002	O	|	|	|	0.00
192.917	0.00	0.00	0.002	O	|	|	|	0.00
193.000	0.00	0.00	0.002	O	|	|	|	0.00
193.083	0.00	0.00	0.002	O	|	|	|	0.00
193.167	0.00	0.00	0.002	O	|	|	|	0.00
193.250	0.00	0.00	0.002	O	|	|	|	0.00
193.333	0.00	0.00	0.002	O	|	|	|	0.00
193.417	0.00	0.00	0.002	O	|	|	|	0.00
193.500	0.00	0.00	0.002	O	|	|	|	0.00
193.583	0.00	0.00	0.002	O	|	|	|	0.00
193.667	0.00	0.00	0.002	O	|	|	|	0.00
193.750	0.00	0.00	0.002	O	|	|	|	0.00
193.833	0.00	0.00	0.002	O	|	|	|	0.00
193.917	0.00	0.00	0.002	O	|	|	|	0.00
194.000	0.00	0.00	0.002	O	|	|	|	0.00
194.083	0.00	0.00	0.002	O	|	|	|	0.00
194.167	0.00	0.00	0.002	O	|	|	|	0.00
194.250	0.00	0.00	0.002	O	|	|	|	0.00
194.333	0.00	0.00	0.002	O	|	|	|	0.00
194.417	0.00	0.00	0.002	O	|	|	|	0.00
194.500	0.00	0.00	0.002	O	|	|	|	0.00
194.583	0.00	0.00	0.002	O	|	|	|	0.00
194.667	0.00	0.00	0.002	O	|	|	|	0.00
194.750	0.00	0.00	0.002	O	|	|	|	0.00
194.833	0.00	0.00	0.002	O	|	|	|	0.00
194.917	0.00	0.00	0.002	O	|	|	|	0.00
195.000	0.00	0.00	0.002	O	|	|	|	0.00
195.083	0.00	0.00	0.002	O	|	|	|	0.00
195.167	0.00	0.00	0.002	O	|	|	|	0.00
195.250	0.00	0.00	0.002	O	|	|	|	0.00
195.333	0.00	0.00	0.002	O	|	|	|	0.00
195.417	0.00	0.00	0.002	O	|	|	|	0.00
195.500	0.00	0.00	0.002	O	|	|	|	0.00
195.583	0.00	0.00	0.002	O	|	|	|	0.00
195.667	0.00	0.00	0.002	O	|	|	|	0.00
195.750	0.00	0.00	0.002	O	|	|	|	0.00
195.833	0.00	0.00	0.002	O	|	|	|	0.00

195.917	0.00	0.00	0.002	O	|	|	|	|	0.00
196.000	0.00	0.00	0.002	O	|	|	|	|	0.00
196.083	0.00	0.00	0.002	O	|	|	|	|	0.00
196.167	0.00	0.00	0.002	O	|	|	|	|	0.00
196.250	0.00	0.00	0.002	O	|	|	|	|	0.00
196.333	0.00	0.00	0.002	O	|	|	|	|	0.00
196.417	0.00	0.00	0.002	O	|	|	|	|	0.00
196.500	0.00	0.00	0.002	O	|	|	|	|	0.00
196.583	0.00	0.00	0.002	O	|	|	|	|	0.00
196.667	0.00	0.00	0.002	O	|	|	|	|	0.00
196.750	0.00	0.00	0.002	O	|	|	|	|	0.00
196.833	0.00	0.00	0.002	O	|	|	|	|	0.00
196.917	0.00	0.00	0.002	O	|	|	|	|	0.00
197.000	0.00	0.00	0.002	O	|	|	|	|	0.00
197.083	0.00	0.00	0.002	O	|	|	|	|	0.00
197.167	0.00	0.00	0.002	O	|	|	|	|	0.00
197.250	0.00	0.00	0.002	O	|	|	|	|	0.00
197.333	0.00	0.00	0.002	O	|	|	|	|	0.00
197.417	0.00	0.00	0.002	O	|	|	|	|	0.00
197.500	0.00	0.00	0.002	O	|	|	|	|	0.00
197.583	0.00	0.00	0.002	O	|	|	|	|	0.00
197.667	0.00	0.00	0.002	O	|	|	|	|	0.00

Remaining water in basin = 0.00 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 2372
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 0.805 (CFS)
Total volume = 3.207 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

Appendix 8: Source Control

Pollutant Sources/Source Control Checklist

STORMWATER POLLUTANT SOURCES/SOURCE CONTROL CHECKLIST

How to use this worksheet (also see instructions in Section G of the WQMP Template):

1. Review Column 1 and identify which of these potential sources of stormwater pollutants apply to your site. Check each box that applies.
2. Review Column 2 and incorporate all of the corresponding applicable BMPs in your WQMP Exhibit.
3. Review Columns 3 and 4 and incorporate all of the corresponding applicable permanent controls and operational BMPs in your WQMP. Use the format shown in Table G.1on page 23 of this WQMP Template. Describe your specific BMPs in an accompanying narrative, and explain any special conditions or situations that required omitting BMPs or substituting alternative BMPs for those shown here.

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☒ A. **On-site storm drain inlets**	☐ **Locations of inlets.**	☐ **Mark all inlets with the words "Only Rain Down the Storm Drain" or similar. Catch Basin Markers may be available from the Riverside County Flood Control and Water Conservation District, call 951.955.1200 to verify.**	☐ **Maintain and periodically repaint or replace inlet markings.** ☐ **Provide stormwater pollution prevention information to new site owners, lessees, or operators.** ☐ **See applicable operational BMPs in Fact Sheet SC-44, "Drainage System Maintenance," in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com** ☐ **Include the following in lease agreements: "Tenant shall not allow anyone to discharge anything to storm drains or to store or deposit materials so as to create a potential discharge to storm drains."**
☐ B. **Interior floor drains and elevator shaft sump pumps**		☐ **State that interior floor drains and elevator shaft sump pumps will be plumbed to sanitary sewer.**	☐ **Inspect and maintain drains to prevent blockages and overflow.**
☐ C. **Interior parking garages**		☐ **State that parking garage floor drains will be plumbed to the sanitary sewer.**	☐ **Inspect and maintain drains to prevent blockages and overflow.**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☐ D1. **Need for future indoor & structural pest control**		☐ **Note building design features that discourage entry of pests.**	☐ **Provide Integrated Pest Management information to owners, lessees, and operators.**
☒ D2. **Landscape/ Outdoor Pesticide Use**	☐ **Show locations of native trees or areas of shrubs and ground cover to be undisturbed and retained.** ☐ **Show self-retaining landscape areas, if any.** ☐ **Show stormwater treatment and hydrograph modification management BMPs. (See instructions in Chapter 3, Step 5 and guidance in Chapter 5.)**	**State that final landscape plans will accomplish all of the following.** ☐ **Preserve existing native trees, shrubs, and ground cover to the maximum extent possible.** ☐ **Design landscaping to minimize irrigation and runoff, to promote surface infiltration where appropriate, and to minimize the use of fertilizers and pesticides that can contribute to stormwater pollution.** ☐ **Where landscaped areas are used to retain or detain stormwater, specify plants that are tolerant of saturated soil conditions.** ☐ **Consider using pest-resistant plants, especially adjacent to hardscape.** **To insure successful establishment, select plants appropriate to site soils, slopes, climate, sun, wind, rain, land use, air movement, ecological consistency, and plant interactions.**	☐ **Maintain landscaping using minimum or no pesticides.** ☐ **See applicable operational BMPs in "What you should know for…..Landscape and Gardening"** at http://rcflood.org/stormwater/**Error! Hyperlink reference not valid.** ☐ **Provide IPM information to new owners, lessees and operators.**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☒ E. **Pools, spas, ponds, decorative fountains, and other water features.**	☐ **Show location of water feature and a sanitary sewer cleanout in an accessible area within 10 feet. (Exception: Public pools must be plumbed according to County Department of Environmental Health Guidelines.)**	**If the Co-Permittee requires pools to be plumbed to the sanitary sewer, place a note on the plans and state in the narrative that this connection will be made according to local requirements.**	☐ **See applicable operational BMPs in** "Guidelines for Maintaining Your Swimming Pool, Jacuzzi and Garden Fountain" at http://rcflood.org/stormwater/
☐ F. **Food service**	☐ **For restaurants, grocery stores, and other food service operations, show location (indoors or in a covered area outdoors) of a floor sink or other area for cleaning floor mats, containers, and equipment.** ☐ **On the drawing, show a note that this drain will be connected to a grease interceptor before discharging to the sanitary sewer.**	☐ **Describe the location and features of the designated cleaning area.** ☐ **Describe the items to be cleaned in this facility and how it has been sized to insure that the largest items can be accommodated.**	☐ **See the brochure, "**The Food Service Industry Best Management Practices for: Restaurants, Grocery Stores, Delicatessens and Bakeries" at http://rcflood.org/stormwater/ **Provide this brochure to new site owners, lessees, and operators.**
☐ G. **Refuse areas**	☐ **Show where site refuse and recycled materials will be handled and stored for pickup. See local municipal requirements for sizes and other details of refuse areas.** ☐ **If dumpsters or other receptacles are outdoors, show how the designated area will be covered, graded, and paved to prevent run-on and show locations of berms to prevent runoff from the area.** ☐ **Any drains from dumpsters, compactors, and tallow bin areas shall be connected to a grease removal device before discharge to sanitary sewer.**	☐ **State how site refuse will be handled and provide supporting detail to what is shown on plans.** ☐ **State that signs will be posted on or near dumpsters with the words "Do not dump hazardous materials here" or similar.**	☐ **State how the following will be implemented:** **Provide adequate number of receptacles. Inspect receptacles regularly; repair or replace leaky receptacles. Keep receptacles covered. Prohibit/prevent dumping of liquid or hazardous wastes. Post "no hazardous materials" signs. Inspect and pick up litter daily and clean up spills immediately. Keep spill control materials available on-site. See Fact Sheet SC-34, "Waste Handling and Disposal" in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
❑ H. **Industrial processes.**	❑ **Show process area.**	❑ **If industrial processes are to be located on site, state: "All process activities to be performed indoors. No processes to drain to exterior or to storm drain system."**	❑ **See Fact Sheet SC-10, "Non-Stormwater Discharges" in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com** See the brochure "Industrial & Commercial Facilities Best Management Practices for: Industrial, Commercial Facilities" at http://rcflood.org/stormwater/

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
❑ I. **Outdoor storage of equipment or materials. (See rows J and K for source control measures for vehicle cleaning, repair, and maintenance.)**	❑ **Show any outdoor storage areas, including how materials will be covered. Show how areas will be graded and bermed to prevent run-on or run-off from area.** ❑ **Storage of non-hazardous liquids shall be covered by a roof and/or drain to the sanitary sewer system, and be contained by berms, dikes, liners, or vaults.** ❑ **Storage of hazardous materials and wastes must be in compliance with the local hazardous materials ordinance and a Hazardous Materials Management Plan for the site.**	**Include a detailed description of materials to be stored, storage areas, and structural features to prevent pollutants from entering storm drains.** **Where appropriate, reference documentation of compliance with the requirements of Hazardous Materials Programs for:** ▪ **Hazardous Waste Generation** ▪ **Hazardous Materials Release Response and Inventory** ▪ **California Accidental Release (CalARP)** ▪ **Aboveground Storage Tank** ▪ **Uniform Fire Code Article 80 Section 103(b) & (c) 1991** ▪ **Underground Storage Tank** **www.cchealth.org/groups/hazmat/**	❑ **See the Fact Sheets SC-31, "Outdoor Liquid Container Storage" and SC-33, "Outdoor Storage of Raw Materials " in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com**

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
❑ J. **Vehicle and Equipment Cleaning**	❑ **Show on drawings as appropriate:** **(1) Commercial/industrial facilities having vehicle/equipment cleaning needs shall either provide a covered, bermed area for washing activities or discourage vehicle/equipment washing by removing hose bibs and installing signs prohibiting such uses.** **(2) Multi-dwelling complexes shall have a paved, bermed, and covered car wash area (unless car washing is prohibited on-site and hoses are provided with an automatic shut-off to discourage such use).** **(3) Washing areas for cars, vehicles, and equipment shall be paved, designed to prevent run-on to or runoff from the area, and plumbed to drain to the sanitary sewer.** **(4) Commercial car wash facilities shall be designed such that no runoff from the facility is discharged to the storm drain system. Wastewater from the facility shall discharge to the sanitary sewer, or a wastewater reclamation system shall be installed.**	❑ **If a car wash area is not provided, describe any measures taken to discourage on-site car washing and explain how these will be enforced.**	**Describe operational measures to implement the following (if applicable):** ❑ **Washwater from vehicle and equipment washing operations shall not be discharged to the storm drain system.** Refer to "Outdoor Cleaning Activities and Professional Mobile Service Providers" for many of the Potential Sources of Runoff Pollutants categories below. Brochure can be found at http://rcflood.org/stormwater/ ❑ **Car dealerships and similar may rinse cars with water only.**

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❑ K. **Vehicle/Equipment Repair and Maintenance**	❑ **Accommodate all vehicle equipment repair and maintenance indoors. Or designate an outdoor work area and design the area to prevent run-on and runoff of stormwater.** ❑ **Show secondary containment for exterior work areas where motor oil, brake fluid, gasoline, diesel fuel, radiator fluid, acid-containing batteries or other hazardous materials or hazardous wastes are used or stored. Drains shall not be installed within the secondary containment areas.** ❑ **Add a note on the plans that states either (1) there are no floor drains, or (2) floor drains are connected to wastewater pretreatment systems prior to discharge to the sanitary sewer and an industrial waste discharge permit will be obtained.**	❑ **State that no vehicle repair or maintenance will be done outdoors, or else describe the required features of the outdoor work area.** ❑ **State that there are no floor drains or if there are floor drains, note the agency from which an industrial waste discharge permit will be obtained and that the design meets that agency's requirements.** ❑ **State that there are no tanks, containers or sinks to be used for parts cleaning or rinsing or, if there are, note the agency from which an industrial waste discharge permit will be obtained and that the design meets that agency's requirements.**	**In the Stormwater Control Plan, note that all of the following restrictions apply to use the site:** ❑ **No person shall dispose of, nor permit the disposal, directly or indirectly of vehicle fluids, hazardous materials, or rinsewater from parts cleaning into storm drains.** ❑ **No vehicle fluid removal shall be performed outside a building, nor on asphalt or ground surfaces, whether inside or outside a building, except in such a manner as to ensure that any spilled fluid will be in an area of secondary containment. Leaking vehicle fluids shall be contained or drained from the vehicle immediately.** ❑ **No person shall leave unattended drip parts or other open containers containing vehicle fluid, unless such containers are in use or in an area of secondary containment.** Refer to "Automotive Maintenance & Car Care Best Management Practices for Auto Body Shops, Auto Repair Shops, Car Dealerships, Gas Stations and Fleet Service Operations". Brochure can be found at http://rcflood.org/stormwater/ Refer to Outdoor Cleaning Activities and Professional Mobile Service Providers for many of the Potential Sources of Runoff Pollutants categories below. Brochure can be found at http://rcflood.org/stormwater/

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❑ L. **Fuel Dispensing Areas**	❑ **Fueling areas[6] shall have impermeable floors (i.e., portland cement concrete or equivalent smooth impervious surface) that are: a) graded at the minimum slope necessary to prevent ponding; and b) separated from the rest of the site by a grade break that prevents run-on of stormwater to the maximum extent practicable.** ❑ **Fueling areas shall be covered by a canopy that extends a minimum of ten feet in each direction from each pump. [Alternative: The fueling area must be covered and the cover's minimum dimensions must be equal to or greater than the area within the grade break or fuel dispensing area[1].] The canopy [or cover] shall not drain onto the fueling area.**		❑ **The property owner shall dry sweep the fueling area routinely.** ❑ **See the Fact Sheet SD-30 , "Fueling Areas" in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com**

[6] **The fueling area shall be defined as the area extending a minimum of 6.5 feet from the corner of each fuel dispenser or the length at which the hose and nozzle assembly may be operated plus a minimum of one foot, whichever is greater.**

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❑ M. **Loading Docks**	❑ **Show a preliminary design for the loading dock area, including roofing and drainage. Loading docks shall be covered and/or graded to minimize run-on to and runoff from the loading area. Roof downspouts shall be positioned to direct stormwater away from the loading area. Water from loading dock areas shall be drained to the sanitary sewer, or diverted and collected for ultimate discharge to the sanitary sewer.** ❑ **Loading dock areas draining directly to the sanitary sewer shall be equipped with a spill control valve or equivalent device, which shall be kept closed during periods of operation.** ❑ **Provide a roof overhang over the loading area or install door skirts (cowling) at each bay that enclose the end of the trailer.**		❑ **Move loaded and unloaded items indoors as soon as possible.** ❑ **See Fact Sheet SC-30, "Outdoor Loading and Unloading," in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com**

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❑ N. **Fire Sprinkler Test Water**		❑ **Provide a means to drain fire sprinkler test water to the sanitary sewer.**	❑ **See the note in Fact Sheet SC-41, "Building and Grounds Maintenance," in the CASQA Stormwater Quality Handbooks at www.cabmphandbooks.com**
O. **Miscellaneous Drain or Wash Water or Other Sources** ❑ **Boiler drain lines** ❑ **Condensate drain lines** ❑ **Rooftop equipment** ❑ **Drainage sumps** ❑ **Roofing, gutters, and trim.** ❑ **Other sources**		❑ **Boiler drain lines shall be directly or indirectly connected to the sanitary sewer system and may not discharge to the storm drain system.** ❑ **Condensate drain lines may discharge to landscaped areas if the flow is small enough that runoff will not occur. Condensate drain lines may not discharge to the storm drain system.** ❑ **Rooftop equipment with potential to produce pollutants shall be roofed and/or have secondary containment.** ❑ **Any drainage sumps on-site shall feature a sediment sump to reduce the quantity of sediment in pumped water.** ❑ **Avoid roofing, gutters, and trim made of copper or other unprotected metals that may leach into runoff.** **Include controls for other sources as specified by local reviewer.**	

STORMWATER POLLUTANT SOURCES/SOURCE CONTROL CHECKLIST

IF THESE SOURCES WILL BE ON THE PROJECT SITE ...	... THEN YOUR WQMP SHOULD INCLUDE THESE SOURCE CONTROL BMPs, AS APPLICABLE		
1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Show on WQMP Drawings	3 Permanent Controls—List in WQMP Table and Narrative	4 Operational BMPs—Include in WQMP Table and Narrative
☒ P. **Plazas, sidewalks, and parking lots.**			☐ **Sweep plazas, sidewalks, and parking lots regularly to prevent accumulation of litter and debris. Collect debris from pressure washing to prevent entry into the storm drain system. Collect washwater containing any cleaning agent or degreaser and discharge to the sanitary sewer not to a storm drain.**

Appendix 9: O&M

Operation and Maintenance Plan and Documentation of Finance, Maintenance and Recording Mechanisms

To be provided in Final WQMP

Appendix 10: Educational Materials

BMP Fact Sheets, Maintenance Guidelines and Other End-User BMP Information

For Information:

To report illegal dumping or a clogged storm drain
1-800-506-2555

Hazardous Materials Disposal,
Recycling/Disposal Vendors call:
951-486-3200 or 1-800-506-2555

County Code Enforcement Offices
(unincorporated area)

Lake Elsinore/Mead Valley	951-245-3186
Jurupa Valley	951-275-8739
Moreno Valley/Banning	951-485-5840
Murrieta So. County	951-600-6140
Thousand Palms District	760-343-4150

Environmental Crimes
1-800-304-6100

Spill Response Agency
1-800-304-2226 or 951-358-5172

Recycling and Hazardous Waste Disposal
1-800-366-SAVE

For pollution prevention brochures or to obtain information on other County Environmental Services, call 1-800-506-2555

Popular links:
www.rcflood.org
www.cabmphandbooks.com
www.cfpub.epa.gov/npdes

ONLY RAIN DOWN THE STORM DRAIN
POLLUTION PREVENTION PROGRAM
1-800-506-2555

Riverside County's "Only Rain Down the Storm Drain" Pollution Prevention Program members include:

Banning
Beaumont
Calimesa
Canyon Lake
Cathedral City
City of Riverside
Corona
Coachella
Coachella Valley Water District
Desert Hot Springs
Hemet
Indian Wells
Indio
Lake Elsinore
La Quinta
Menifee
Murrieta
Moreno Valley
Norco
Palm Desert
Palm Springs
Perris
Rancho Mirage
Riverside County
San Jacinto
Temecula
Wildomar

Stormwater Pollution

What you should know for...

Automotive Maintenance and Car Care

Best Management Practices (BMPS) for:

- Auto Body Shops
- Auto Repair Shops
- Car Dealerships
- Gas Stations
- Fleet Service Operations

Stormwater Pollution...What You Should Know

Riverside County has three major river systems, or watersheds, that are important to our communities and the environment. Improper automotive maintenance, storage and washing activities can cause pollution that endangers the health of these rivers.

Pollutants that can collect on the ground from automotive repair, storage and washing areas such as antifreeze, oil, grease, gas, lubricants, soaps and dirt can be washed into the street by rain, over-irrigation or wash water runoff. Once these pollutants are in the streets they can be carried to these rivers by the storm drain system. Unlike the sewer system, the storm drain system carries water (and pollution) to our rivers without treatment. Pollution from storm drains is a form of storm water pollution.

A common storm water pollution problem associated with automotive shops and businesses is the activity of hosing down service bays without proper capture of runoff water, illegal dumping of fluids to the street or storm drain inlets and not properly storing hazardous materials. Examples of pollutants that can be mobilized by these activities include oil and grease from cars, copper and asbestos from worn break linings, zinc from tires and toxics from spilled fluids.

The Cities and County of Riverside have adopted ordinances, in accordance with state and federal law, which prohibit the discharge of pollutants into the storm drain system or local lakes, rivers or streams. This brochure provides common practices that can prevent storm water pollution and keep your shop in compliance with the law.

Best Management Practices for Auto Body & Repair Shops, Car Dealerships, Gas Stations and Fleet Service Operations

Changing Automotive Fluids

- Locate storm drains on or near your property. Do not allow material to flow to these drains.
- Collect, and separately recycle motor oil, antifreeze, transmission fluid and gear oil. Combining waste fluid prevents recycling.
- Drain brake fluid and other non-recyclables into a proper container and handle as a hazardous waste.
- Use a recyclable radiator flushing fluid and discard safely.

Only rain is allowed down the storm drain! Don't be an offender!! Violations of local ordinances are prosecuted to the fullest extent of the law.

Identify specific activities with the potential to cause spills or release pollutants such as oil, grease, fuel, etc. Post signs and train employees on how to prevent and clean up spills during activities.

YOU can prevent Stormwater Pollution following these practices...

Working on Transmissions, Engines and Miscellaneous Repairs

- Keep a drip pan or a wide low-rimmed container under vehicles to catch fluids whenever you unclip hoses, unscrew filters, or change parts, to contain unexpected leaks.
- Drain all fluids from wrecked vehicles into proper containers before disassembly or repair.
- Store batteries indoors, on an open rack.
- Return used batteries to a battery vendor.
- Contain cracked batteries to prevent hazardous spills.
- Catch metal filings in an enclosed unit or on a tarpaulin.
- Sweep filing areas to prevent washing metals into floor drains.

Cleaning Parts

- Clean parts in a self-contained unit, solvent sink, or parts washer to prevent solvents and grease from entering a storm drain.

Fueling Vehicles

- Clean-up minor spills with a dry absorbent, rather than allowing them to evaporate.
- Use a damp cloth and a damp mop to keep the area clean rather than a hose or a wet mop.

Keeping your shop or work area pollutant clean and environmentally safe

- Never hose down your work area, as pollutants could be washed into the storm drain.
- Sweep or vacuum the shop floor frequently.
- Routinely check equipment. Wipe up spills and repair leaks.
- Use large pans or an inflatable portable berm under wrecked cars.
- Avoid spills by emptying and wiping drip pans, when they are half-full.
- Keep dry absorbent materials and/or a wet/dry vacuum cleaner on hand for mid-sized spills.
- Train your employees to be familiar with hazardous spill response plans and emergency procedures.
- Immediately report hazardous material spills that have entered the street or storm drain to OES and local authorities.

Outdoor Parking and Auto Maintenance

- Use covered or controlled areas to prevent offsite spills.
- Sweep-up trash and dirt from outdoor parking and maintenance areas. Do not hose down areas. All non-stormwater discharges to the street of storm drain are prohibited.

Storing and Disposing of Waste

- Store recyclable and non-recyclable waste separately.
- Place liquid waste (hazardous or otherwise) in proper containers with secondary containment.
- Cover outdoor storage areas to prevent contact with rain water.
- Collect used parts for delivery to a scrap metal dealer.

Washing vehicles and steam cleaning equipment

- For car washing, minimize wash water used and use designated areas. Never discharge wash water to the street, gutters or storm drain.
- Be sure to keep waste water from engine parts cleaning or steam cleaning from being discharged to the street, gutter or storm drain.
- Wash vehicles and steam clean with environmentally friendly soaps and polishes.

Selecting and Controlling Inventory

- Purchase recyclable or non-toxic materials.
- Select “closed-loop” suppliers and purchase supplies in bulk.

Helpful telephone numbers and links:

Riverside County Stormwater Protection Partners

Flood Control District	(951) 955-1200
County of Riverside	(951) 955-1000
City of Banning	(951) 922-3105
City of Beaumont	(951) 769-8520
City of Calimesa	(909) 795-9801
City of Canyon Lake	(951) 244-2955
Cathedral City	(760) 770-0327
City of Coachella	(760) 398-4978
City of Corona	(951) 736-2447
City of Desert Hot Springs	(760) 329-6411
City of Eastvale	(951) 361-0900
City of Hemet	(951) 765-2300
City of Indian Wells	(760) 346-2489
City of Indio	(760) 391-4000
City of Lake Elsinore	(951) 674-3124
City of La Quinta	(760) 777-7000
City of Menifee	(951) 672-6777
City of Moreno Valley	(951) 413-3000
City of Murrieta	(951) 304-2489
City of Norco	(951) 270-5607
City of Palm Desert	(760) 346-0611
City of Palm Springs	(760) 323-8299
City of Perris	(951) 943-6100
City of Rancho Mirage	(760) 324-4511
City of Riverside	(951) 361-0900
City of San Jacinto	(951) 654-7337
City of Temecula	(951) 694-6444
City of Wildomar	(951) 677-7751

REPORT ILLEGAL STORM DRAIN DISPOSAL
1-800-506-2555 or e-mail us at
fcnpdes@rcflood.org

- Riverside County Flood Control and Water Conservation District
  www.rcflood.org

Online resources include:

- California Storm Water Quality Association
  www.casqa.org
- State Water Resources Control Board
  www.waterboards.ca.gov
- Power Washers of North America
  www.thepwna.org

Stormwater Pollution

What you should know for...

Outdoor Cleaning Activities and Professional Mobile Service Providers

Storm drain pollution prevention information for:

- Car Washing / Mobile Detailers
- Window and Carpet Cleaners
- Power Washers
- Waterproofers / Street Sweepers
- Equipment cleaners or degreasers and all mobile service providers

Do you know where street flows actually go?

Storm drains are NOT connected to sanitary sewer systems and treatment plants!

The primary purpose of storm drains is to carry *rain* water away from developed areas to prevent flooding. Pollutants discharged to storm drains are transported directly into rivers, lakes and streams. Soaps, degreasers, automotive fluids, litter and a host of materials are washed off buildings, sidewalks, plazas and parking areas. Vehicles and equipment must be properly managed to prevent the pollution of local waterways.

Unintentional spills by mobile service operators can flow into storm drains and pollute our waterways. **Avoid mishaps.** *Always* have a **Spill Response Kit** on hand to clean up unintentional spills. Only emergency **Mechanical** repairs should be done in City streets, using drip pans for spills. **Plumbing** should be done on private property. Always store chemicals in a leak-proof container and keep covered when not in use. **Window/Power Washing** waste water shouldn't be released into the streets, but should be disposed of in a sanitary sewer, landscaped area or in the soil. Soiled **Carpet Cleaning** wash water should be filtered before being discharged into the sanitary sewer. Dispose of all filter debris properly. **Car Washing/Detailing** operators should wash cars on private property and use a regulated hose nozzle for water flow control and runoff prevention. Capture and dispose of waste water and chemicals properly. Remember, storm drains are for receiving rain water runoff only.

REPORT ILLEGAL STORM DRAIN DISPOSAL
1-800-506-2555

Help Protect Our Waterways!

Use these guidelines for Outdoor Cleaning Activities and Wash Water Disposal

Did you know that disposing of pollutants into the street, gutter, storm drain or body of water is *PROHIBITED* by law and can result in stiff penalties?

Best Management Practices

Waste wash water from Mechanics, Plumbers, Window/Power Washers, Carpet Cleaners, Car Washing and Mobile Detailing activities may contain significant quantities of motor oil, grease, chemicals, dirt, detergents, brake pad dust, litter and other materials.

Best Management Practices, or BMPs as they are known, are guides to prevent pollutants from entering the storm drains. ***Each of us*** can do our part to keep stormwater clean by using the suggested BMPs below:

Simple solutions for both light and heavy duty jobs:

Do...consider dry cleaning methods first such as a mop, broom, rag or wire brush. Always keep a spill response kit on site.

Do...prepare the work area before power cleaning by using sand bags, rubber mats, vacuum booms, containment pads or temporary berms to keep wash water away from the gutters and storm drains.

Do...use vacuums or other machines to remove and collect loose debris or litter before applying water.

Do...obtain the property owner's permission to dispose of ***small amounts*** of power washing waste water on to landscaped, gravel or unpaved surfaces.

Do...check your local sanitary sewer agency's policies on wash water disposal regulations before disposing of wash water into the sewer. (See list on reverse side)

Do...be aware that if discharging to landscape areas, soapy wash water may damage landscaping. Residual wash water may remain on paved surfaces to evaporate. Sweep up solid residuals and dispose of properly. Vacuum booms are another option for capturing and collecting wash water.

Do...check to see if local ordinances prevent certain activities.

Do not let...wash or waste water from sidewalk, plaza or building cleaning go into a street or storm drain.

Report illegal storm drain disposal
Call Toll Free
1-800-506-2555

Using Cleaning Agents

Try using biodegradable/phosphate-free products. They are easier on the environment, but don't confuse them with being toxic free. Soapy water entering the storm drain system can impact the delicate aquatic environment.

When cleaning surfaces with a ***high-pressure washer*** or ***steam cleaner***, additional precautions should be taken to prevent the discharge of pollutants into the storm drain system. These two methods of surface cleaning can loosen additional material that can contaminate local waterways.

Think Water Conservation

Minimize water use by using high pressure, low volume nozzles. Be sure to check all hoses for leaks. Water is a precious resource, don't let it flow freely and be sure to shut it off in between uses.

Screening Wash Water

Conduct thorough dry cleanup before washing exterior surfaces, such as buildings and decks ***with loose paint***, sidewalks or plaza areas. Keep debris from entering the storm drain after cleaning by first passing the wash water through a "20 mesh" or finer screen to catch the solid materials, then dispose of the mesh in a refuse container. Do not let the remaining wash water enter a street, gutter or storm drain.

Drain Inlet Protection & Collection of Wash Water

- Prior to any washing, block all storm drains with an impervious barrier such as sandbags or berms, or seal the storm drain with plugs or other appropriate materials.
- Create a containment area with berms and traps or take advantage of a low spot to keep wash water contained.
- Wash vehicles and equipment on grassy or gravel areas so that the wash water can seep into the ground.
- Pump or vacuum up all wash water in the contained area.

Concrete/Coring/Saw Cutting and Drilling Projects

Protect any down-gradient inlets by using dry activity techniques whenever possible. If water is used, minimize the amount of water used during the coring/drilling or saw cutting process. Place a barrier of sandbags and/or absorbent berms to protect the storm drain inlet or watercourse. Use a shovel or wet vacuum to remove the residue from the pavement. Do not wash residue or particulate matter into a storm drain inlet or watercourse.

Helpful telephone numbers and links:

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City of Corona	(951) 736-2447
City of Desert Hot Springs	(760) 329-6411
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City of Hemet	(951) 765-2300
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City of Indio	(760) 391-4000
City of Lake Elsinore	(951) 674-3124
City of La Quinta	(760) 777-7000
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City of Moreno Valley	(951) 413-3000
City of Murrieta	(951) 304-2489
City of Norco	(951) 270-5607
City of Palm Desert	(760) 346-0611
City of Palm Springs	(760) 323-8299
City of Perris	(951) 943-6100
City of Rancho Mirage	(760) 324-4511
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City of Temecula	(951) 694-6444
City of Wildomar	(951) 677-7751

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  www.thepwna.org

Stormwater Pollution

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- Power Washers
- Waterproofers / Street Sweepers
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Storm drains are NOT connected to sanitary sewer systems and treatment plants!

The primary purpose of storm drains is to carry *rain* water away from developed areas to prevent flooding. Pollutants discharged to storm drains are transported directly into rivers, lakes and streams. Soaps, degreasers, automotive fluids, litter and a host of materials are washed off buildings, sidewalks, plazas and parking areas. Vehicles and equipment must be properly managed to prevent the pollution of local waterways.

Unintentional spills by mobile service operators can flow into storm drains and pollute our waterways. **Avoid mishaps.** *Always* have a **Spill Response Kit** on hand to clean up unintentional spills. Only emergency **Mechanical** repairs should be done in City streets, using drip pans for spills. **Plumbing** should be done on private property. Always store chemicals in a leak-proof container and keep covered when not in use. **Window/Power Washing** waste water shouldn't be released into the streets, but should be disposed of in a sanitary sewer, landscaped area or in the soil. Soiled **Carpet Cleaning** wash water should be filtered before being discharged into the sanitary sewer. Dispose of all filter debris properly. **Car Washing/Detailing** operators should wash cars on private property and use a regulated hose nozzle for water flow control and runoff prevention. Capture and dispose of waste water and chemicals properly. Remember, storm drains are for receiving rain water runoff only.

REPORT ILLEGAL STORM DRAIN DISPOSAL
1-800-506-2555

Help Protect Our Waterways!

Use these guidelines for Outdoor Cleaning Activities and Wash Water Disposal

Did you know that disposing of pollutants into the street, gutter, storm drain or body of water is *PROHIBITED* by law and can result in stiff penalties?

Best Management Practices

Waste wash water from Mechanics, Plumbers, Window/Power Washers, Carpet Cleaners, Car Washing and Mobile Detailing activities may contain significant quantities of motor oil, grease, chemicals, dirt, detergents, brake pad dust, litter and other materials.

Best Management Practices, or BMPs as they are known, are guides to prevent pollutants from entering the storm drains. ***Each of us*** can do our part to keep stormwater clean by using the suggested BMPs below:

Simple solutions for both light and heavy duty jobs:

Do...consider dry cleaning methods first such as a mop, broom, rag or wire brush. Always keep a spill response kit on site.

Do...prepare the work area before power cleaning by using sand bags, rubber mats, vacuum booms, containment pads or temporary berms to keep wash water away from the gutters and storm drains.

Do...use vacuums or other machines to remove and collect loose debris or litter before applying water.

Do...obtain the property owner's permission to dispose of ***small amounts*** of power washing waste water on to landscaped, gravel or unpaved surfaces.

Do...check your local sanitary sewer agency's policies on wash water disposal regulations before disposing of wash water into the sewer. (See list on reverse side)

Do...be aware that if discharging to landscape areas, soapy wash water may damage landscaping. Residual wash water may remain on paved surfaces to evaporate. Sweep up solid residuals and dispose of properly. Vacuum booms are another option for capturing and collecting wash water.

Do...check to see if local ordinances prevent certain activities.

Do not let...wash or waste water from sidewalk, plaza or building cleaning go into a street or storm drain.

Report illegal storm drain disposal
Call Toll Free
1-800-506-2555

Using Cleaning Agents

Try using biodegradable/phosphate-free products. They are easier on the environment, but don't confuse them with being toxic free. Soapy water entering the storm drain system can impact the delicate aquatic environment.

When cleaning surfaces with a ***high-pressure washer*** or ***steam cleaner***, additional precautions should be taken to prevent the discharge of pollutants into the storm drain system. These two methods of surface cleaning can loosen additional material that can contaminate local waterways.

Think Water Conservation

Minimize water use by using high pressure, low volume nozzles. Be sure to check all hoses for leaks. Water is a precious resource, don't let it flow freely and be sure to shut it off in between uses.

Screening Wash Water

Conduct thorough dry cleanup before washing exterior surfaces, such as buildings and decks ***with loose paint***, sidewalks or plaza areas. Keep debris from entering the storm drain after cleaning by first passing the wash water through a "20 mesh" or finer screen to catch the solid materials, then dispose of the mesh in a refuse container. Do not let the remaining wash water enter a street, gutter or storm drain.

Drain Inlet Protection & Collection of Wash Water

- Prior to any washing, block all storm drains with an impervious barrier such as sandbags or berms, or seal the storm drain with plugs or other appropriate materials.
- Create a containment area with berms and traps or take advantage of a low spot to keep wash water contained.
- Wash vehicles and equipment on grassy or gravel areas so that the wash water can seep into the ground.
- Pump or vacuum up all wash water in the contained area.

Concrete/Coring/Saw Cutting and Drilling Projects

Protect any down-gradient inlets by using dry activity techniques whenever possible. If water is used, minimize the amount of water used during the coring/drilling or saw cutting process. Place a barrier of sandbags and/or absorbent berms to protect the storm drain inlet or watercourse. Use a shovel or wet vacuum to remove the residue from the pavement. Do not wash residue or particulate matter into a storm drain inlet or watercourse.

Saltwater Pools

- Salt water pools, although different from regular pools, are in fact, sanitized using chlorine. A salt-chlorine generator separates the chlorine and sodium molecules in salt and reintroduces them into the pool water. The same harmful effects of chlorine still apply.
- A salt water pool is still maintained with chemicals such as Muriatic acid, soda ash and sodium carbonate to help keep a proper pH, total Alkalinity, Calcium Hardness and Stabilizer levels.

- It may be illegal to discharge salt water to land. The salt may kill plants and the build-up of salt in soil puts animals, plants, and groundwater at risk. Consult your city representatives to determine local requirements regarding salt water drainage.

NEVER put unused chemicals into the trash, onto the ground or down a storm drain.

IMPORTANT: The discharge of pollutants into the street, gutter, storm drain system or waterways - without a permit or waiver - is strictly prohibited by local ordinances, state and federal law. Violations may result in monetary fines and enforcement actions.

Helpful telephone numbers and links

Riverside County Water Agencies:

City of Banning	(951) 922-3130
City of Beaumont/Cherry Valley	(951) 845-9581
City of Blythe	(760) 922-6161
City of Coachella	(760) 398-3502
City of Corona	(951) 736-2263
City of Hemet	(951) 765-3710
City of Norco	(951) 270 5607
City of Riverside Public Works	(951) 351-6140
City of San Jacinto	(951) 654-4041
Coachella Valley Water District	(760) 398-2651
Desert Water Agency (Palm Springs)	(760) 323-4971
Eastern Municipal Water District	(951) 928-3777
Elsinore Valley Municipal Water District	(951) 674 3146
Elsinore Water District	(951) 674-2168
Farm Mutual Water Company	(951) 244-4198
Idyllwild Water District	(951) 659-2143
Indio Water Authority	(760) 391-4129
Jurupa Community Services District	(951) 685-7434
Lee Lake Water	(951) 658-3241
Mission Springs Water	(760) 329-6448
Rancho California Water District	(951) 296-6900
Ripley, CSA #62	(760) 922-4951
Riverside Co. Service Area #51	(760) 227-3203
Rubidoux Community Services District	(951) 684-7580
Valley Sanitary District	(760) 347-2356
Western Municipal Water District	(951) 789-5000
Yucaipa Valley Water District	(909) 797-5117

CALL 1-800-506-2555 to:

- Report clogged storm drains or illegal storm drain disposal from residential, industrial, construction and commercial sites into public streets, storm drains and/or water bodies.
- Find out about our various storm drain pollution prevention materials.
- Locate the dates and times of Household Hazardous Waste (HHW) Collection Events.
- Request adult, neighborhood, or classroom presentations.
- Locate other County environmental services.
- Receive grasscycling information and composting workshop information.

Or visit our
Riverside County Flood Control and Water Conservation District
website at: www.rcflood.org

Other links to additional storm drain pollution information:

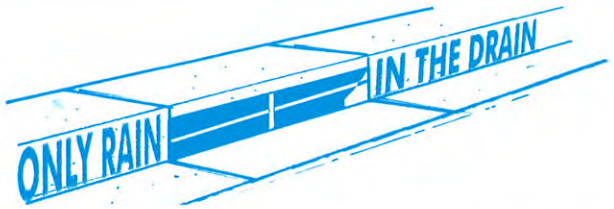
- County of Riverside Environmental Health: www.rivcoeh.org
- State Water Resources Control Board: www.waterboards.ca.gov
- California Stormwater Quality Association: www.casqa.org
- United States Environmental Protection Agency (EPA): www.epa.gov/compliance/assistance (compliance assistance information)

Riverside County's, "Only Rain Down the Storm Drain" Pollution Prevention Program gratefully acknowledges the Bay Area Stormwater Management Agencies Association and the Cleaning Equipment Trade Association for information provided in this brochure.

Guidelines for Maintaining your...

Swimming Pool, Jacuzzi and Garden Fountain

Where does the water go?



Pool, Jacuzzi and Fountain wastewater and rain water runoff (also called stormwater) that reach streets can enter the storm drain and be conveyed directly into local streams, rivers and lakes.

A storm drain's purpose is to prevent flooding by carrying rain water away from developed areas. Storm drains are not connected to sanitary sewers systems and treatment plants!

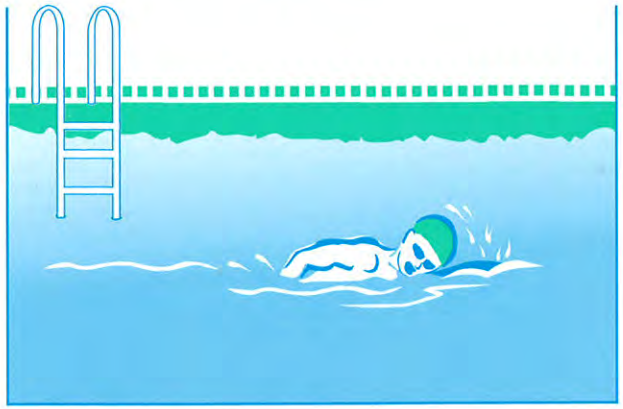
Wastewater, from residential swimming pools, Jacuzzis, fishponds and fountains, often contains chemicals used for sanitizing or cleansing purposes. Toxic chemicals (such as chlorine or copper-based algaecides) may pollute the environment when discharged into a storm drain system.

The Cities and County of Riverside have adopted ordinances that prohibit the discharge of wastewater to the street and storm drain system.

Discharge Regulations

Regulatory requirements for discharging wastewater from your pool may differ from city to city. Chlorinated water should not be discharged into the street, storm drain or surface waters. Check with your water agency to see if disposal to the sanitary sewer line is allowed for pool discharges (see reverse for Riverside County sewer agencies).

If allowed, a hose can be run from the pool Jacuzzi, or fountain to the private sewer cleanout, washing machine drain or a sink or bathtub.



If you cannot discharge to the sewer, you may drain your fountain, pool, or jacuzzi to your landscaping by following these guidelines:

First, reduce or eliminate solids (e.g. debris, leaves or dirt) in the pool water and allow the chemicals in the pool water to dissipate before draining the pool (this could take up to 7 days, verify using a home pool test kit).

Second, slowly drain to a landscaped area away from buildings or structures. Control the flow to prevent soil erosion; it may take more than one day to empty. Do not allow sediment to enter the street, gutter or storm drain.

Maintenance & Chemicals

Cleaning Filters

Filter rinse water and backwash must be discharged to the sanitary sewer, on-site septic tank and drain field system (if properly designed and adequately sized), or a seepage pit. Alternatively, rinse water or backwash may be diverted to landscaped or dirt areas. Filter media and other non-hazardous solids should be picked up and disposed of in the trash.

Algaecides

Avoid using copper-based algaecides unless absolutely necessary. Control algae with chlorine, organic polymers or other alternatives to copper-based pool chemicals. Copper is a heavy metal that can be toxic to aquatic life when you drain your pool.

Chemical Storage and Handling

- Use only the amount indicated on product labels
- Store chlorine and other chemicals in a covered area to prevent runoff. Keep out of reach of children and pets.
- Chlorine kits, available at retail swimming pool equipment and supply stores, should be used to monitor the chlorine and pH levels before draining your pool.
- Chlorine and other pool chemicals should never be allowed to flow into the gutter or storm drain system.

Take unwanted chemicals to a Household Hazardous Waste (HHW) Collection Event. There's no cost for taking HHW items to collection events – it's FREE! Call **1-800-506-2555** for a schedule of HHW events in your community.

The Complete Guide to Residential Recycling

Southwest Riverside County

Canyon Lake, Hemet, Lake Elsinore, Menifee, Murrieta, Perris, San Jacinto, Temecula, Wildomar

Used Oil and Filters

Recycling used motor oil and filters is easy!
Simply take them to one of the certified collection centers below. **It's free!**

RECYCLE USED OIL

RECYCLE USED OIL FILTERS

Used Oil and Filters

You can also find Certified Collection Centers on the Cal Recycle Website:
www.calrecycle.ca.gov/recycle

Hemet

AutoZone #2820
1550 W. Florida Ave.
(951) 929-0807

AutoZone #5556
3100 E. Florida Ave.
(951) 652-1308

EZ Lube #112
532 W. Florida Ave.
(951) 766-1996

Firestone Store #2233
350 W. Florida St.
(951) 929-2424

Inland Chevrolet
350 Carriage Circle
(951) 658-4401

Integrity Tire
3223 W. Florida Ave.
(951) 658-3145

Jiffy Lube #3187
330 N Sanderson Ave.
(951) 487-2001

Masterlube #101
3615 W. Florida St.
(951) 766-7055

O'Reilly Autoparts #1332
849 W. Florida Ave.
(951) 929-2210

Pep Boys #866
2050 W. Florida Ave.
(951) 766-1477

Ramona Tire
2350 W. Menlo Ave.
(951) 925-6659

Synfast Oil Change
3615 W. Florida Ave.
(951) 766-7055

Valvoline Instant Oil Change
532 W. Florida Ave.
(951) 766-1996

Idyllwild

Idyllwild Garage
25015 Hwy. 243
(951) 659-2613

Lake Elsinore

AutoZone #5558
30870 Riverside Dr.
(951) 674-7806

AutoZone #5559
32231 Mission Trail
(951) 245-1012

Express Tire
300 Diamond Dr.
(951) 674-0794

EZ Lube #96
29285 Central Ave.
(951) 253-5200

Firestone Store #2238
31748 Mission Trail
(951) 674-0633

Jiffy Lube #2681
311 Summerhill Dr.
(951) 471-8445

O'Reilly Autoparts #1429
31660 Grape St.
(951) 245-8389

Valvoline Instant Oil Change
29285 Central Ave.
(951) 253-5200

Menifee

AutoZone #5561
30123 Antelope Rd.
(951) 301-7240

One Stop Lube & Oil Center
26825 Newport Rd.
(951) 301-7479

Murrieta

AutoZone #5566
40950 California Oaks Rd.
(951) 677-6206

Express Tire
40615 California Oaks Rd.
(951) 696-5200

EZ Lube #115
40430 California Oaks Rd.
(951) 696-2882

Mountain View Tire and Service
27584 Clinton Keith Rd.
(888) 860-0535

Murrieta Volkswagen
41300 Date St.
(951) 634-5434

O'Reilly Autoparts #1430
40951 California Oaks Rd.
(951) 696-2991

Valvoline Instant Oil Change
40430 California Oaks Rd.
(951) 696-2882

Perris

AutoZone #5570
401 E. 4th St.
(951) 657-0696

AutoZone #5571
1675 Perris Blvd.
(951) 943-5998

Jiffy Lube #3294
118 E. Ramona Expressway
(951) 943-2200

Jiffy Lube #3361
3150 Case Rd., Bldg. J.
(951) 284-0922

O'Reilly Autoparts #1046
119 W. Nuevo Rd.
(951) 657-1488

San Jacinto

AutoZone #5581
1540 San Jacinto Ave.
(951) 654-2216

Jiffy Lube #3186
635 S. State St.
(951) 487-2001

Ramona Auto Services, Inc.
2447 S. San Jacinto Ave.
(951) 925-5117

Temecula

AutoZone #5582
31837 US Hwy. 79
(951) 302-8334

AutoZone #5936
40345 Winchester Rd.
(951) 296-3973

DCH Acura of Temecula
26705 Ynez Rd.
(951) 491-2451

Used Oil and Filters

RECYCLE USED OIL

RECYCLE USED OIL FILTERS

Temecula

DCH Chrysler Jeep Dodge of Temecula
26845 Ynez Rd.
(951) 491-2151

DCH Honda of Temecula
26755 Ynez Rd.
(951) 491-2351

Express Tire
40915 Winchester Rd.
(951) 296-6699

Express Tire
44092 Margarita Rd.
(951) 302-5033

Express Tire
29095 Front St.
(951) 695-0555

EZ Lube #85
30625 Highway 79 South
(951) 553-7399

Jiffy Lube #1878
30690 Rancho California Rd.
(951) 694-5460

John Hine Temecula Mazda
42050 DLR Dr.
(951) 553-2000

O'Reilly Autoparts #0483
41125 Winchester Rd., #C1
(951) 296-5530

O'Reilly Autoparts #4291
33417 Temecula Pkwy.
(951) 302-1351

Paradise Chevrolet Cadillac
27360 Ynez Rd.
(951) 506-0058

Pep Boys #800
40605 Winchester Rd.
(951) 695-2322

Precision Tune Auto Care
26673 Ynez Rd., #A
(951) 699-6969

Promethean Biofuels Cooperative
27635 Diaz Rd.
(626) 232-7608

Quality Nissan
41895 Motor Car Pkwy.
(951) 676-6601

Ramona Auto Services, Inc.
40385 Winchester Rd.
(951) 719-1600

Ramona Auto Services, Inc.
31955 Via Rio Rd.
(951) 303-3584

Ramona Tire
40385 Winchester Rd.
(951) 719-1600

Rancho Car Wash and Quick Lube
27378 Jefferson Ave.
(951) 296-5644

Temecula Hyundai
27430 Ynez Rd.
(951) 699-6807

Temecula Quick Lube
29764 Rancho California Rd.
(951) 587-6624

Valvoline Instant Oil Change
30625 Highway 79 South
(951) 553-7399

Wildomar

Grease Monkey
32120 Clinton Keith Rd.
(951) 609-3000

Jiffy Lube #3412
32374 Clinton Keith Rd.
(951) 678-5300

Winchester

Mountain View Tire/Goodyear
30664 Benton Rd.
(877) 872-1021

Curbside pickup of used oil is available in some cities in Riverside County. Contact your waste hauler for more information. Waste hauler contact information is provided on the back page of this guide.

You may not need to change your oil every 3000 miles! Save time, money, and the environment by visiting **www.checkyournumber.org** to find out what your manufacturer recommended oil change interval is.

Locations marked with a also accept oil filters.

Please DO NOT drop off oil when the location is closed. **For more information about used oil collection centers call 800-350-4OIL.**

Household Hazardous Waste

Examples of household waste that are considered hazardous include:

- Batteries (all types)
- Electronic Waste
- Paint
- Used Oil and Antifreeze
- Sharps/ Needles

Permanent Household Hazardous Waste Collection Centers

Lake Elsinore Area (Closed January and December)

Lake Elsinore Regional Permanent HHW Collection Facility
512 N. Langstaff Street, Lake Elsinore, 92530
Open first Saturday of the month*, 9:00 a.m. to 2:00 p.m.
*Except holiday weekends and during inclement weather.

Riverside Area

Agua Mansa Regional Permanent HHW Collection Facility
1780 Agua Mansa Road, Riverside, 92509
Open non-holiday Saturdays*, 9:00 a.m. to 2:00 p.m.
*Except during inclement weather.

Regional ABOP Collection Centers (Antifreeze, Batteries, Oil and Oil Filters, and Latex Paint ONLY)

Murrieta Area

County Road Yard
25315 Jefferson Avenue, Murrieta, 92562
Open Non-Holiday Saturdays, 9:00 a.m. to 2:00 p.m.

These sites accept residential waste only. For more information, contact the Riverside County Household Hazardous Waste Department Hotline at **800-304-2226 or 951-486-3200, or visit, www.rivcowm.org/opencms/hhw/index.html**

Household Hazardous Waste

Below is a list of materials accepted at permanent HHW collection sites.*

Chemicals and Cleaners

Adhesives
Air Freshener
Aluminum Cleaners
Ammonia
Antifreeze
Brake Fluid
Carburetor Cleaner
Caulking
Chlorine Bleach
Chrome Polish
Disinfectant
Drain Cleaner
Engine Degreaser
Fertilizer
Fiberglass and Resins
Flea Powder
Floor / Surface Cleaners
Fungicides
Furniture Polish
Gas / Diesel Fuel
Glue
Gun Cleaner
Hair Dye
Hobby Chemicals
Insecticides / Pesticides
Kerosene / Lamp Oil
Lighter Fluid
Motor Oil
Mercury Devices
Oven Cleaner
Paint - Latex / Oil Based
Paint Stripper / Thinner
Photo Chemicals
Pool / Spa Chemicals
Rodent Bait / Poison
Roof Coating
Shoe Dye
Spot Remover
Transmission Fluid
Turpentine
Varnish
Weed Killer / Herbicide
Wood Preservative

Aerosols and Tanks

Aerosol Insecticides
Aerosol Cans
BBQ Propane Tanks
Camp Propane Tanks

E-Waste and Batteries

Batteries (all types)
Electronic Devices
Fluorescent Bulbs / Tubes
Old TVs and Computers

Medical Waste

Sharps / Needles

Please DO NOT bring the following types of materials (If you have any of these wastes please call (951) 486-3200):

Unacceptable Materials

Business, Non-Profit, or Out-of-County Waste
Explosives / Ammunition
Radioactive or Remediation Materials
Medical / Infectious Waste (Except Sharps)
Asbestos
Appliances
Tires
55 or 30 Gallon Drums
Compressed Gas Cylinders >40 lbs
Trash

*Maximum Chemical Load: 5 Gallons or 50lbs per trip. Residential waste only, no business waste accepted.

Recycling

Recycling

What can go into your curbside recycling bins? Not sure what you can recycle? Check out the list below.

Paper and Cardboard

- Books and Coloring Books
- Cardboard
- Cardstock and Construction Paper
- Office Paper
- Egg Cartons
- Clean Food Boxes
- Junk Mail and Envelopes
- Magazines and Newspapers
- Notebook Paper
- Paper Bags
- Telephone Books

Metal

- Aluminum and Steel Cans
- Clean Aluminum Foil
- Scrap Metal

Glass Jars and Bottles

- Glass Jars
- Beverage Bottles

Plastic Bottles and Grocery Bags

- Plastic Milk Jugs
- Plastic Beverage Containers
- Plastic Grocery Bags

Used Tires

Used tires are accepted at various locations in Riverside County. There is generally a fee to dispose of tires. The following locations accept tires:

Badlands Landfill

31125 Ironwood Ave., Moreno Valley, 92553

Lamb Canyon Landfill

16411 Lamb Canyon Rd., Beaumont, 92223

Visit www.rivcowm.org/opencms/landfill_info/landfill_fees.html for information on current landfill pricing.

BAS Recycling, Inc.

14050 Day St., Moreno Valley, 92553
(909) 383-7050
Call facility for pricing.

Electronic Waste Recyclers

Badlands, Lamb Canyon, and El Sobrante Landfills accept up to 2 CRT devices (e.g. computer monitors or TVs) per day for recycling at **no cost** during operating hours. The following recyclers also accept electronic waste:

The Green Guys Recycling, Hemet - (951) 757-9156
Starsurplus.com, Murrieta - (951) 677-5696
XIT Communications, Murrieta - (951) 691-5138
CR&R, Perris - (800) 755-8112
Tire Stop & Recycling, Sun City - (951) 928-9600
GKAT, INC. dba Temecula Recycling, Temecula - (951) 693-1500
Heavy Metal Scrap & Recycling, Inc., Temecula - (951) 693-4677

Other Recycling Facilities

For a complete list of recycling facilities visit www.calrecycle.ca.gov and click on the "Recycle Tab."
Earth911.com also provides valuable information and resources about recycling and recycling facilities.

Reycling Centers

What should you do with those empty cans and bottles? Below is a list of centers that accept beverage containers for recycling*.

Hemet

EarthWize Recycling
1231 S. Sanderson Ave.
(909) 933-2773

Menlo Recycle Center
445 E. Menlo Ave.
(951) 766-8520

NexCycle
1295 S. State St.
(800) 969-2020

NexCycle
3125 W. Florida Ave.
(800) 969-2020

rePlanet
43396 US Hwy 74
(877) 737-5263

The Green Guys Recycling
100 N. State St., #101
(951) 757-9156

Valley Metals
342 N. Juanita St.
(951) 925-8577

Lake Elsinore

Cans Plus Recycling
29170 Riverside Dr., #1
(951) 245-1178

Downtown Elsinore Recycling
217 N. Main St.
(323) 204-8308

Lake Elsinore Recycling Center
1315 W. Flint St.
(951) 579-4102

Love Earth Recycling
31949 Corydon Rd., #160
(951) 230-6580

NexCycle
31564 Grape St.
(909) 796-2210

rePlanet
32281 Mission Tr.
(951) 520-1700

rePlanet
16750 Lakeshore Dr.
(877) 737-5263

Menifee

rePlanet
30125 Antelope Rd.
(951) 520-1700

rePlanet
25904 Newport Rd.
(877) 737-5263

Neill's Recycling
26026 Sherman Rd.
(951) 514-8656

NexCycle
27220 Sun City Blvd.
(909) 796-2210

Tire Stop and Recycling
27491 Ethanac Rd.
(888) 515-1376

Murrieta

EarthWize Recycling
27826 Clinton Keith Rd.
(909) 933-2773

Go Green Murrieta Recycling
40645 Cal. Oaks Rd.
(818) 220-9540

Murrieta Recycling
38365 Innovation Ct., #1102-1105
(951) 894-3094

rePlanet
40473 Murrieta Hot Springs Rd.
(951) 520-1700

rePlanet
23801 Washington Ave.
(951) 520-1700

rePlanet
4100 Cal. Oaks Rd.
(951) 520-1700

rePlanet
39140 Winchester Ave.
(951) 520-1700

rePlanet
28047 Scott Rd.
(877) 737-5263

SA Recycling
41400 Date St.
(951) 677-8586

Recycling Centers

Perris

A-1
24440 Hwy 74
(951) 940-4224

Ecology Auto Parts
23332 Cajalco Rd.
(951) 657-7725

Go Green Recycling
164 Malbert St., #A-2
(951) 487-5875

Harb Family Market Recycling
22707 San Jacinto Ave.
(951) 657-7733

4th Street Recycling
510 W. 4th St.
(323) 204-8308

Menlo Recycle Center
151 W. 7th St.
(951) 657-8200

RecycleWise
200 Sinclair St. #4
(951) 443-1894

Recycling Depot
1320 W. Oleander Ave.
(951) 442-5221

rePlanet
47 W. Nuevo Rd.
(877) 737-5263

San Jacinto

CA Recycling
762 S. San Jacinto Ave.
(951) 651-0010

rePlanet
1271 N. State St.
(877) 737-5263

San Jacinto Recycling Center
658 W. Esplanade Ave.
(951) 654-1399

Temecula

Heavy Metal Scrap Reycling Inc.
43136 Rancho Way
(951) 693-4677

NexCycle
29530 Rancho California Rd.
(909) 796-2210

NexCycle
26419 Ynez Rd.
(909) 796-2210

rePlanet
30530 Rancho California Rd.
(951) 520-1700

rePlanet
33293 Temecula Pkwy.
(951) 520-1700

rePlanet
31813 Temecula Pkwy.
(877) 737-5263

Temecula Recycling
27635 Diaz Rd., #120
(951) 693-1500

Wildomar

rePlanet
23893 Clinton Keith Rd.
(951) 520-1700

rePlanet
30712 Benton Rd.
(877) 737-5263

*Some recycling centers may accept other recyclable materials. It is advisable to call the center and confirm this, as well as operating hours, before visiting.

Fore more information about local recycling centers visit the **CalRecycle** website: **www.calrecycle.ca.gov.**

Types of Plastic

Confused about the types of plastic and if they can be recycled? Many plastic containers display an identification code that indicates what they are made from. Below are the 7 codes.

#1: Polyethylene Terephthalate (PETE or PET)
Used to create 2-liter soda bottles, water bottles, cooking oil bottles, peanut butter jars.
The most commonly accepted plastic for recycling.

#2: High Density Polyethylene
Used to create detergent bottles, milk and water jugs, grocery bags, yogurt cups.
Commonly accepted for recycling. Bags can be recycled at some large grocery stores.

#3: Polyvinyl Chloride
Used to create plastic pipes, outdoor furniture, shrink-wrap, liquid detergent containers, flooring, showercurtains.
Not currently accepted for recycling.

#4: Low Density Polyethylene
Used to create food storage containers, cellophane wrap, dry cleaning bags, produce bags, trash can liners.
Not commonly recycled, some large grocery stores accept LDPE bags.

#5: Polypropylene
Used to create ketchup bottles, aerosol caps, drinking straws, yogurt containers.
Not commonly accepted for recycling.

#6: Polystyrene
Also known as "Styrofoam." Used to make coffee cups, take-out food packaging, egg cartons, and packaging "peanuts."
Sometimes accepted for recycling and made into the same products.

#7: Other
All other plastic resins or a mixture of resins used to make reusable water bottles, Tupperware, biodegradable and compostable plastics.
Not commonly accepted for recycling.

Composting Basics

Got food scraps and yardwaste? Below is a quick guide to Backyard Composting.

1. Select a good spot for composting

- Sun or shade
- Convenient to kitchen or garden, and close to a source of water
- Keep away from structures and wood, as moisture can hasten decay
- Place only on bare ground, as organisms from soil are needed

2. Know the Ingredients

Nitrogen - Green materials - grass clippings, fresh leaves and twigs, vegetable and fruit trimmings, coffee grounds and filters, and non-meat eating animal manures.

Carbon - Brown materials that have released their nitrogen - dry and brittle leaves and grasses, straw, wood chips, corn stalks, shredded newspaper, paper towels, napkins, and cardboard.

Water - The correct moisture level should be about the same as a damp wrung out sponge. A few drops should fall when squeezed in your hand.

Air - Oxygen is very important to the bacteria, fungi, and microorganisms that are working in the pile to breakdown the organic material.

Do Not Add - Meat, dairy products, fats, oils, waste from meat eating animals (dogs and cats), thorny plant material, or diseased plant material.

2. Know the Methods

Aerobic - Pile equal parts green and brown material on ground or in a bin in a 3'x3'x3' heap, water well, and cover with a tarp, carpet or opaque plastic sheet. The pile will heat up (120 to 160 degrees), and needs to be turned after a few days, once it has cooled. Turn the pile weekly and continue composting until the pile has a dark rich look like chocolate cake and the things you put in don't look like their original form. After the compost is done, water well, cover, and let it rest for one to two weeks to make sure it is completely done and the nitrogen has a chance to stabilize. If the compost is used too soon it could rob nutrients from the surrounding plants. Remove large chunks and add them to the next compost pile.

Anerobic - Similar to the Aerobic method, but there is no need to actively turn the material. It may take longer (1-2 years), but is still beneficial to your garden. Just pile the stuff, water, cover, and wait.

For more detailed information on composting, free workshops, or other methods, such as **Vermicomposting**, visit www.rivcowm.org and search for composting.

Source Reduction

The best way to reduce waste is to prevent it!

Buy Responsibly

Reduce packaging waste - Look for products that reduce packaging, or purchase in bulk to reduce the amount of packaging needed.

Look for products containing recycled material - Recycled paper products, motor oil, and even pens and pencils are just a few examples of products that reduce waste.

Consider reusable products - Buy reusable water bottles and sturdy utensils and plates that can be washed and used again.

Get it "For Here," or bring your own - Many coffee shops will provide drinks to their customers in ceramic mugs rather than paper cups if requested. Just ask! Reusable tumblers are also a great alternative to paper cups, and many establishments will even give a small discount to those who bring their own!

Borrow, rent, or share - Why buy something if you are only going to use it once? Items such as tools, party decorations, and even newspapers and magazines can be shared with your friends, family, and/or community.

Purchase rebuilt, remanufactured, or refurbished - Many electronics such as cell phones, computers, and media players can be purchased "refurbished" at a sometimes substantial price reduction. This conserves the resources needed to manufacture a new product.

Choose Non-Toxic

Choose products that contain only non-toxic materials, or try one of these **homemade alternatives**:

- Instead of glass cleaner, dilute 1 cup of vinegar in 1 quart of water.
- To open clogged drains, flush with a mixture of boiling water, and equal parts baking soda and vinegar.

For more information on non-toxic alternatives, visit the California Coastal Commission website:
http://www.coastal.ca.gov/ccbn/lesstoxic.html

Source Reduction

Plastic bags and junk mail contribute to a significant amount of un-needed waste. You can lessen their impact by Reducing, Reusing, and Recycling.

Plastic Bags

Reduce: BYOB (Bring Your Own Bag) - Use reusable canvas or cloth bags rather than plastic bags, and keep them in your car. Not all items need a bag, just say "no, thank you."

Reuse - Plastic grocery bags can serve multiple purposes, such as trash can liners or for pet waste.

Recycle - If you find that you must use a plastic bag, recycle it when you are finished. Most large supermarkets and pharmacies offer free recycling of plastic bags.

Junk Mail Reduction

You can reduce the amount of unwanted junk mail in your mailbox by simply mailing a postcard to the following addresses, requesting your name be removed from their mailing list. Be sure to include your full name, your address(es), your signature, and the date.

Mail Preference Service
Attn.: Dept. 10088342
PO Box 282
Carmel, NY 10512

ADVO
Consumer Assistance
PO Box 249
Windsor, CT 06095

Harte-Hanks Circulation
C/O Pennysaver
2830 Orbiter St.
Brea, CA 92821

Valpak Direct Marketing Systems, Inc.
8605 Largo Lakes Dr.
Largo, FL 33773

Credit Card Junk Mail
Call (888)5-OPT OUT (888-567-8688)

City / County Resources

City of Canyon Lake - Waste and Recycling | (800) 755-8112
http://www.cityofcanyonlake.com/recycling.asp

City of Hemet - Integrated Waste Management | (951) 765-3712
http://www.cityofhemet.org/index.aspx?nid=93

City of Lake Elsinore - Recycling | (951) 674-3124
http://www.lake-elsinore.org/index.aspx?page=751

City of Menifee - Public Works Department | (951) 672-6777
http://www.cityofmenifee.us/index.aspx?nid=99

City of Murrieta - Trash & Recycling | (951) 461-6007
http://www.murrieta.org/services/trash

City of Perris - Waste & Recycling | (951) 943-6100
http://www.cityofperris.org/residents/waste-recycle.html

City of San Jacinto - Waste & Recycling | (951) 487-7330
http://www.san-jacinto.ca.us/residents/waste.html

City of Temecula - Trash & Recycling | 951-694-6444
http://www.cityoftemecula.org/temecula/residents/trashrecycling/recycling.htm

City of Wildomar - Trash Hauling and Recycling | (951) 677-7751
http://www.cityofwildomar.org/trash-hauling-recycling.asp

County of Riverside - Riverside County Waste Management Department
http://www.rivcowm.org | (951) 486-3200

Western Riverside Council of Governments
http://www.wrcog.cog.ca.us | (800) 350-4645

Waste Haulers

Waste Management, Inc. - (951) 280-5400 - www.wm.com
Serves: Menifee, Murrieta, and Wildomar

CR&R Disposal - (951) 943-1991 - www.crrwasteservices.com
Serves: Canyon Lake, Hemet, Lake Elsinore, Perris, San Jacinto, and Temecula

The Complete Guide to Residential Recyling is sponsored by:

water efficient
L A N D S C A P E S

In California, the largest use of all urban water is watering landscapes. When a landscape or irrigation system is poorly designed or poorly maintained, or the landscape consists of plants not suited to the dry and often hot California climate, water demand increases as a result of excessive evaporation, leaks, and runoff. Water consumption can be greatly reduced with careful planning, good plant selection, efficient irrigation systems, and good water management and maintenance practices.

Since California experiences frequent and sometimes prolonged droughts together with an ever increasing demand, there is a great need for us to use water efficiently. But this doesn't mean we have to give up our gardens. We can use water more efficiently and still have colorful, esthetically pleasing landscapes—including some turf areas for recreation.

This brochure is intended to help you create a landscape that is not only water efficient, but attractive, colorful, and low maintenance. The designs illustrated here are typical back yards, but the principles of water efficient gardening apply to front yards as well.

Planning ahead

Planning is the key to a successful water wise landscape. It is very tempting to go to a garden center and buy plants because they catch your eye, but not knowing where to place them and how much water they need are the beginnings of an unnecessarily high water using landscape. By planning ahead, costly mistakes can be avoided.

Contact your local water provider to see if they offer any services such as water audits or landscape planning. Some agencies offer landscaping classes and provide water conservation devices. Some also have demonstration gardens where you can witness water efficient gardens in person, see how attractive they can be, and get ideas for your own site.

To get started, measure the landscape and draw the area and any existing landscape features to scale. This will give you an idea of the numbers of plants you will need, the size of the lawn and how much irrigation pipe, sprinkler heads, and mulch you will need to buy.

Consider the size, sun exposure, and slope of the area to be landscaped. Avoid lawns on slopes that are difficult to mow and water. If possible, reduce slopes in the landscape that encourage runoff and waste water.

Think about who will use the landscape and how they will use it. These factors determine the type of plants required and how it will be maintained. Don't forget the need for shade and privacy screening.

When drawing the actual planting plan, avoid the temptation to place too many plants for the area. A crowded garden will use more water, cost more, be prone to diseases, and require more maintenance.

Consult books such as *Sunset Western Landscaping Book* about garden design. Many books available are very good for useful advice and ideas. Some are written with the dry west in mind and focus on landscaping with the proper types of plants for warm, dry climates.

If this phase of the project is too difficult, hire a licensed landscape architect or designer. A landscape architect might be able to design the irrigation system for you or you can consult with an irrigation design specialist. Be sure to keep a copy of the landscape plans for future reference.

How much grass do you need?

Lawns use more water than any other part of a landscape and they cover large amounts of acreage statewide. Oftentimes lawns are installed because an alternative was never considered. There are alternatives to lawns, so in the planning stage decide if lawn is really a requirement in your yard. Think of who will use it and how often, who will mow it, fertilize it, remove the thatch, etc.

Perhaps a lawn is not needed at all. If a grass area is really just space filler, consider alternatives such as hardscapes, rock gardens or an unthirsty groundcover. This is especially important on areas with slopes that tend to shed water faster than it can soak in. Water draining into street gutters and storm drains often discharges directly into streams and this runoff from landscapes frequently contains fertilizers, pesticides, and other pollutants.

If you choose to plant a turf area after considering these factors, minimize the size of the lawn and choose a grass type that doesn't require lots of water and fertilizer.

Warm season grasses such as Hybrid Bermuda Grass and St. Augustine Grass use much less water than cool-season grass such as Kentucky Bluegrass. Certain Dwarf Tall Fescues use somewhat less water than Bluegrass.

Warm season grasses typically have a short winter dormant period, but winter dormancy occurs when many people are not actively using their gardens and even dormant, warm season grass provides a usable surface for people and pets. If the look of dormant grass is objectionable, it can be overseeded with another type of grass for the winter.

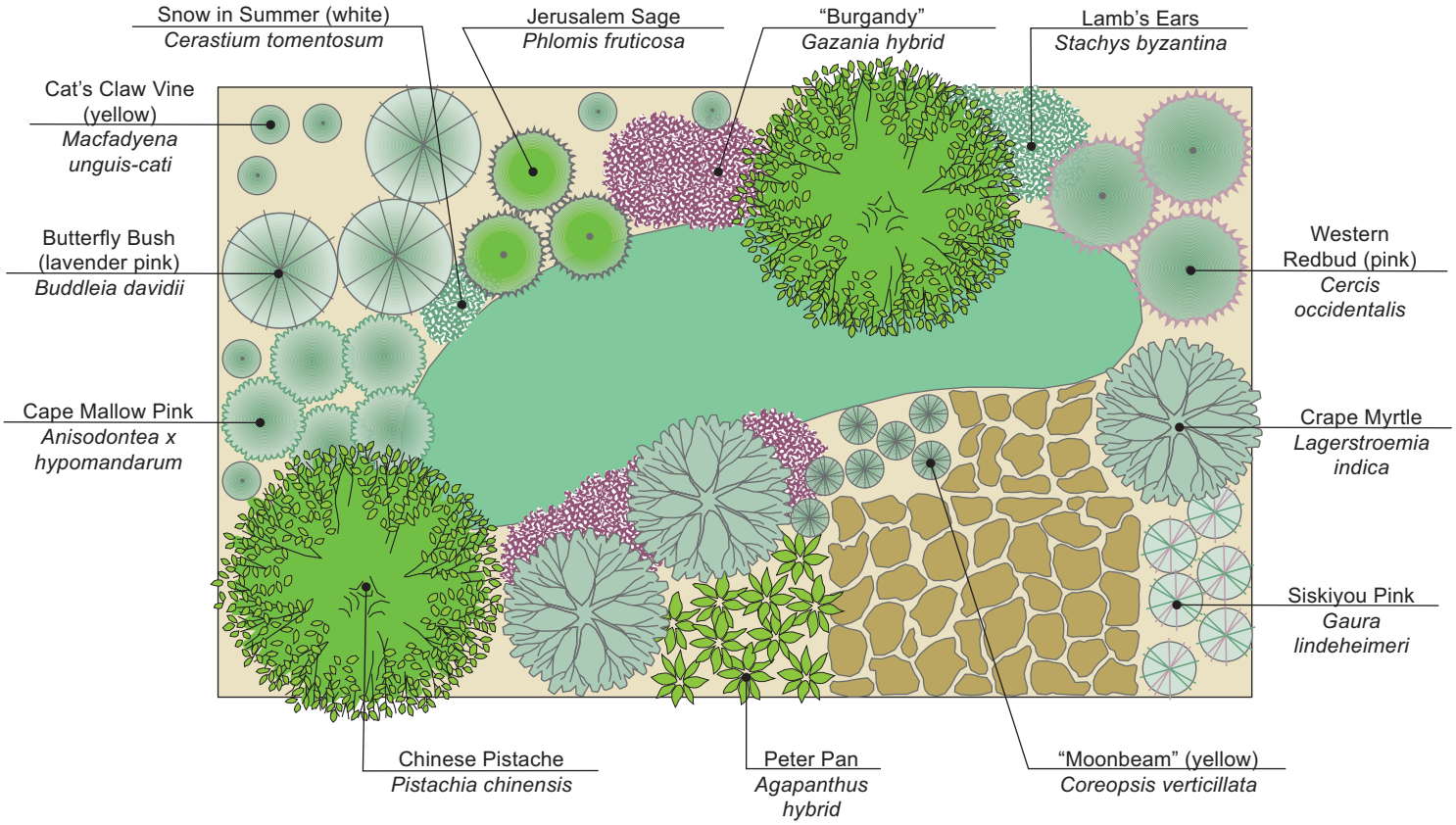
Good choices make good landscapes

Once a decision regarding the turf area has been made, choose trees and large shrubs next. Make these choices carefully, they are the "backbone" of any landscape and poor choices will result in high water use, poor performance, and frequently costly maintenance or removal.

When selecting trees and large shrubs, choose varieties that will still fit into your yard when they mature. Learn what your climate zone is and buy plants that are suited to it. Choose deciduous trees for shade and evergreen trees for screening.

water efficient landscape

What's right about this landscape?
Warm-season grass, permeable surface patio, water efficient plants with nearly year-round color, mulch in shrub areas, deciduous trees for summer shade and winter sun, a California native, shrubs attractive to hummingbirds and butterflies. This garden, with a landscaped area of 1,800 sq. ft., requires about 5,800 gallons of water to irrigate for the month of July in the Central Valley. A smaller lawn would make this landscape even more water efficient. A landscape of the same size with thirsty plants and a bluegrass lawn would require an additional 2,000 to 3,000 gallons of water for the month of July.



Try to group plants by water requirements, such as very low (e.g. drought tolerant California natives, such as Blue Oaks, Western Redbud), low (e.g. Rosemary, Lavender), medium (e.g. Photinia, Euonymus), and high (e.g. Australian Tree Fern, Umbrella Sedge). Keep the high water-using plants to a minimum as focal points.

For help with selecting trees, shrubs, and groundcovers consult a good gardening encyclopedia such as *Sunset Western Garden Book*, your local Cooperative Extension, or a reputable nursery. Your local Urban Forester or tree foundation can give valuable advice about which trees grow well in your area.

Another excellent reference is *A Guide to Estimating Irrigation Water Needs of Landscape Plantings in California*, which is available on the Department of Water Resources Web site at:
http://www.owue.water.ca.gov/docs/wucols00.pdf

Beginning on page 45, this publication gives the water needs of landscape plants in the six major climate regions of California. Guides of this type are valuable in the design stage by aiding in the selection of plants for groupings with similar water needs. These groupings of plants of similar water requirements are also known as hydrozones.

Irrigation

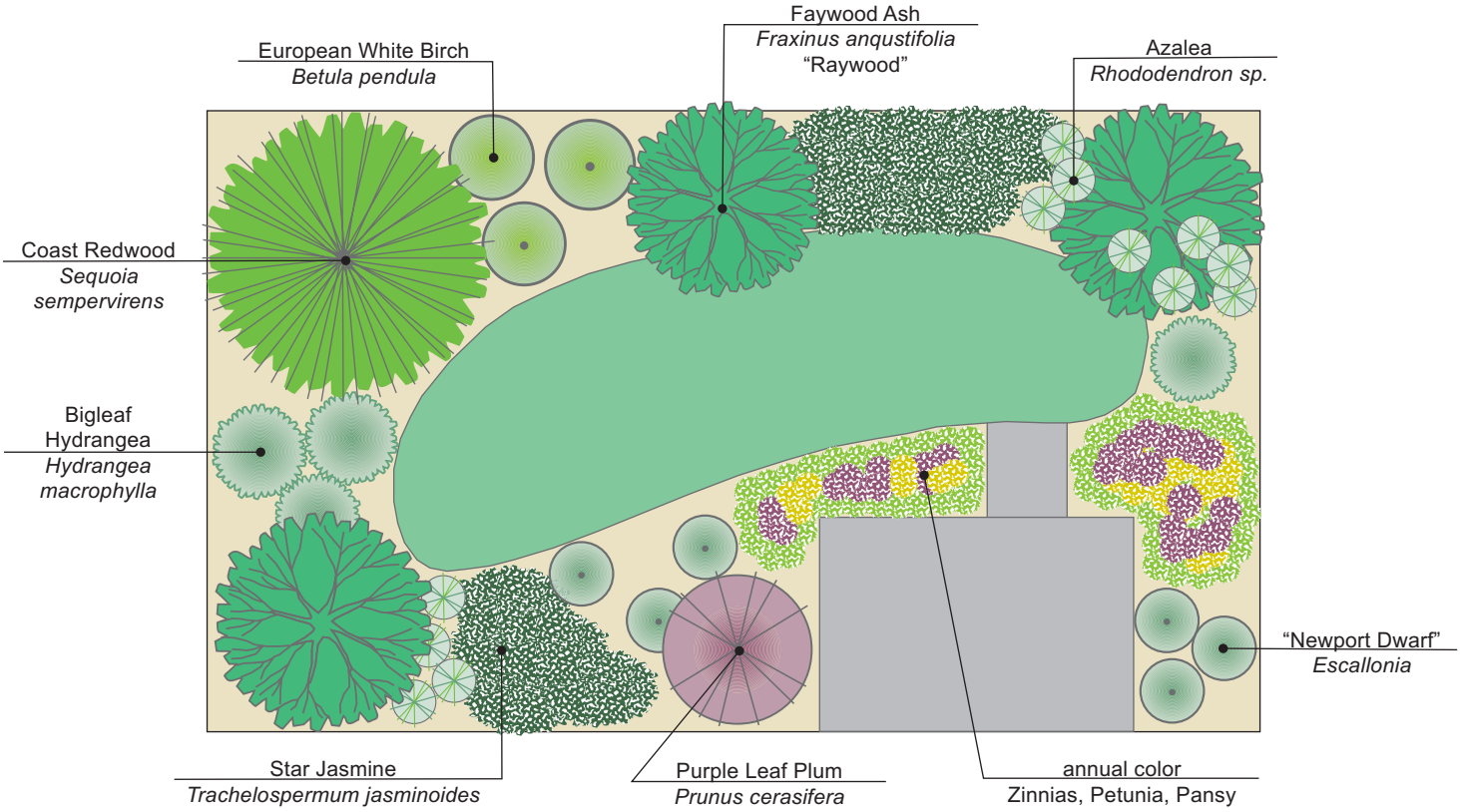
After the plants are chosen, design and install an efficient irrigation system—one that will deliver a sufficient amount of water where it's needed. If you need information or help to design an irrigation system, ask at an irrigation supply store or hire a licensed landscape contractor who specializes in irrigation systems to design and install it.

Several of the major irrigation equipment manufacturers sell inexpensive irrigation design manuals online and at supply stores. A good irrigation design manual will

typical landscape

What's wrong with this landscape? (from a water conservation point of view)
Large lawn with cool-season grass, impervious patio, and a lot of high water using plants (Hydrangea, Azaleas, Birches, Annual color and Coast Redwood). This garden, with a 1,600 sq. ft. landscaped area, requires about 8,400 gallons of water to irrigate for the month of July in the Central Valley. This landscape requires over 2,500 gallons of water more per month (in July) than the previous example.

What could be a better version?
Although this landscape uses several water efficient plants, the water use is still high. Smaller lawn, warm season grass, less high water using plants, mulch, and avoiding large trees in smaller yards make landscapes much more resource efficient. For example, Redwoods need a lot of moisture and grow too large.



address important aspects of sprinkler design such as sprinkler layout, water pressure, choosing the right sprinkler for the job, head to head coverage, and matching precipitation rates. Some manufacturers offer free irrigation design services.

Always be sure to keep a drawing of the sprinkler layout and a list of parts used (including brand names and model numbers) for future reference. This will make any future repairs or additions much easier.

Use sprinklers that will apply water evenly. Use stream rotors on lawns and bubblers in shrub and tree areas. The better quality pop-up spray sprinklers work well in smaller areas, but avoid using sprinklers that create a fine mist because much of that water is lost to evaporation and overspray.

Check the operating pressure with a pressure gauge at an outdoor faucet so that you can select the right sprinkler for the job. Sprinklers are labeled to show how far they spray at different pressures. Operation at too high of pressure will create a lot of water-wasting mist and too little pressure will cause uneven coverage.

Microspray and drip irrigation are other good choices for tree and shrub areas. Microspray and drip also work well on container gardens and window boxes. Microspray and drip systems apply water slowly and just where it's needed.

When you water, apply it infrequently, deeply (throughout the root zone), and evenly. This will encourage deep rooting, which will make plants better able to withstand hot, dry spells.

Lawns require water about once or twice a week in warm weather. Trees and shrubs require watering less frequently. Because of this shrubs and trees should always be on separate zones from turf.

In the spring, fall, and winter all plants need much less water than is required in summer. Consequently, watering time should be much shorter and less frequently in the off peak seasons.

One way to make watering much easier is by using an irrigation controller, also called a sprinkler timer or clock. Timers can save gardeners a lot of time by watering automatically, but they can waste a lot of water if not reprogrammed to water less as the seasons change.

If an irrigation controller is to be used, be sure to purchase one with multiple functions. Buy one with extra stations in case you need to add irrigation zones later. Most importantly, adjust the timer monthly, weekly if needed, so that the irrigation time set for the summer is not set during the rest of the year.

During hot or cool spells most controllers can be easily adjusted without disturbing the original program. By using the "seasonal adjust" or "budget adjust" feature, frequent changes to the amount of time watering can easily be accomplished simply by pushing a button.

The amount of water applied can be increased or decreased in 10% increments. When considering that July is usually the peak demand for water, it can be considered to be the 100% mark.

For example, during April the irrigation could be turned on and the controller set for 60% of the amount it will be watered in July. This can be accomplished by pushing the seasonal adjust button until the display shows 60%. The controller can be adjusted upwards gradually as the weather warms.

Likewise in fall, the season adjust can be adjusted downward beginning in August for most areas of California. This can continue through October or November. By November the irrigation system can be turned off in most places in the state.

Rainfall may be enough for most areas, but if supplemental irrigation is required during the winter, use the manual “on” switch to run the irrigation when the landscape shows signs of water stress. The controller can also be reprogrammed to run less frequently than it would during the rest of the year. Consider installing a rain shut-off switch to prevent watering while it’s raining.

Use a soil probe or large screwdriver to check the soil moisture. It may look dry on the surface, but be moist underneath. If the soil is still moist, plants probably won’t need to be irrigated yet. Always observe how a change in the irrigation schedule affects the landscape.

water wise plants

There are many water wise plants to choose from that thrive in California’s mostly moderate climate. These include both many attractive natives and plants introduced from other Mediterranean-like climates. These unthirsty plants enable any gardener to create a water conserving landscape. In addition to the plants shown in these water efficient landscape designs, here is a list of a few more of the many water wise plants available.

SHRUBS

Blue Hibiscus, *Alyogyne huegelii*
Coyote Brush, *Baccharis pilularis*
Barberry, *Berberis x stenophylla*
Bush Anemone, *Carpenteria californica*
Bush Morning Glory, *Convolvulus cneorum*
Smoke Tree, *Cotinus coggygria*
Euryops, *Euryops pectinatus*
Pineapple Guava, *Feijoa sellowiana*
Texas Ranger, *Leucophyllum sp.*
Pomegranate, *Punica granatum*

TREES

Madrone, *Arbutus menziesii*
Bottle Tree, *Brachychiton populneus*
Pindo Palm, *Butia capitata*
Australian Beefwood, *Casuarina stricta*
Honey Locust, *Gleditsia triacanthos*
Sweet Bay, *Laurus nobilis*
Interior Live Oak, *Quercus wislizenii*
Locust, *Robinia x ambigua*
Texas Mountain Laurel, *Sophora secundiflora*
Chaste Tree, *Vitex agnus-castus*

GROUNDCOVERS

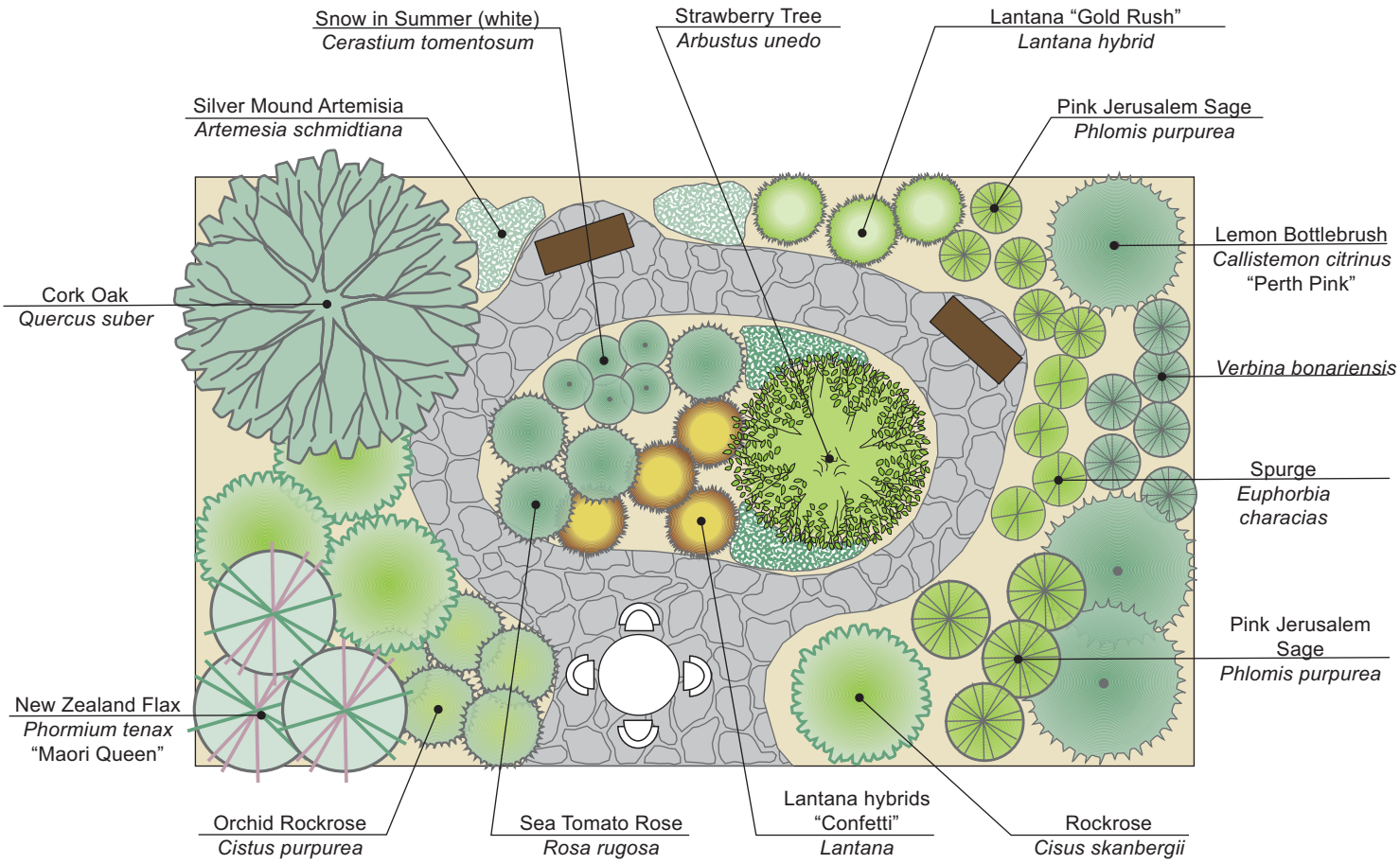
Bearberry, *Arctostaphylos uva-ursi*
Carmel Creeper, *Ceanthous griseus horizontalis*
Red Spike Ice Plant, *Cephalophylum sp.*
Chamomile, *Chamaemelum nobile*
Creeping Coprosma, *Coprosma x kirkii*
Trailing Lantana, *Lantana montedivensis*
Creeping Mahonia, *Mahonia repens*
Pork and Beans, *Sedum rubrotinctum*
Australian Bluebell Creeper, *Sollya heterophylla*
Wooly Thyme, *Thymus pseudolanuginosus*

PERENNIALS

Yarrow, *Achillea millefolium*
Columbine, *Aquilegia hybrids*
Wormwood, *Artemisia* "Powis Castle"
Italian Arum, *Arum italicum*
Cast Iron Plant, *Aspidistra elatior*
Fortnight Lily, *Dietes iridioides*
Siberian Wallflower, *Erysimum x allionii*
Blanketflower, *Gaillardia grandiflora*
Sunrose, *Helianthemum nummularium*
Crown Pink, *Lychnis coronaria*

strolling garden

Turfless is effortless—well, almost.
If you don't need grass, just a quiet place to enjoy nature and be outside, try installing a strolling garden. Many water efficient plants are not fussy and don't require a lot of maintenance. Occasional pruning to rejuvenate and improve shape is all that many of these plants need. Unthirsty plants, organic mulch, and a permeable gravel path make this garden a real water saver. This garden, with a landscaped area of about 900 sq. ft., requires about 1,550 gallons for July in the Central Valley and only about 1,000 gallons on the Coast during July.



Some features to look for in irrigation controllers are:

- multiple independent programs (for different types of plant zones)
- several start times, cycle and soak (for heavy or compacted soil or sloped areas)
- nonvolatile memory and battery backup (to keep the schedule current after a power failure)
- water budgeting in percentage (%) increments (to water according to what the plants really need)
- rain shut-off device (to save water when the landscape is watered by rain)

These irrigation guidelines are general and may not always reflect the needs of your particular site.

The fun part

Once the irrigation system is installed, the lawn, trees, and shrubs can be planted. If your site has very sandy or heavy clay soil, amend the soil to increase the fertility and water holding capacity or to improve drainage. Plant shrubs according to the plan so that their leaves will just touch once they become established. This will ensure that the ground will be shaded by foliage but there will be adequate air circulation. This "room to breathe" will make appreciating the foliage and flowers much easier.

Set all shrubs and tree root balls somewhat high in the planting hole so that the top of the root ball will not settle below grade.

If young trees need staking, use two or three stakes tied loosely and just high enough on the trunk to keep the trunk from bending over. Remove them once the trees can stand on their own. While stakes can support a newly planted tree, if left too long, they will actually cause the tree to grow weakly. Shorten the staking poles so that they will not rub the bark of the new tree.

New lawns can be seeded, hydroseeded or planted with sod. There are advantages to all of these methods; therefore, budget, time of year, and availability of products will determine the right grass planting method for your landscape. A good landscaping book will outline the steps to preparing, planting, and maintaining a lawn.

After the plants are planted, cover the ground around trees and shrubs with a two-to-three-inch layer of organic mulch, keeping it away from the plant stems. Mulch will keep the soil cool and moist in warm weather and insulate it during winter. Mulch also has the added benefit of controlling weeds and enriching the soil by adding organic matter.

Routine maintenance keeps a landscape looking great

Regular maintenance of a landscape will keep it looking great and resource efficient. By working on small tasks on a continuous basis the large tasks will be limited.

- Check the irrigation system frequently for leaks, broken sprinklers, and clogged emitters; repair with the correct parts.
- Adjust the sprinklers as needed. If water runs off the landscaped area before the irrigation cycle is complete, adjust the timer to run several times with a shorter duration each time. For example, instead of running it for 15 minutes continuously, adjust the timer to run three times that day for 5 minutes each time, with an interval in between to let the water soak in. This is especially important on slopes and high traffic areas.
- Check the soil moisture depth with a soil probe or large screwdriver. If you use a screwdriver, push it in to the soil until you feel resistance. That is the approximate depth of where the soil is dry. If the moisture extends well below the root zone cut back on the water somewhat by shortening the time of an irrigation cycle or adding more time between cycles.
- Observe how a decrease in water affects the landscape and make adjustments as needed.
- Refresh the mulch layer in the spring.
- Prune only when necessary to shape the plant or remove dead or diseased parts.
- If fertilizer is necessary, use a balanced fertilizer, avoiding high Nitrogen mixtures that will cause excessive growth and could impact groundwater quality.
- When you mow, "grasscycle" the clippings. The clippings left behind on the grass will break down without causing a buildup of thatch.
- Aerate lawns occasionally to improve water infiltration.
- In times of drought, deep soak shrubs and trees only after they show signs of water stress, and water only in off peak hours. If a drought becomes severe, community leaders may ask people to stop watering their lawns, but any trees planted in lawn areas will still need an occasional soaking to survive. Deep soak these trees as you would any other tree in the landscape by drip, bubbler or garden hose.

If a garden is comprised mostly of water efficient plants, the landscape can be sustained on minimal irrigation through a drought and will be able to recover when water conditions improve.

The big picture

If good horticultural practices are followed, the dependence on chemicals in the garden can be reduced significantly. Mulching and grasscycling can greatly reduce the need for chemical fertilizers. Likewise, when less water is used, fertilizers and pesticides are not washed away. Less water controls excessive growth and reduces the amount of succulent new growth that is attractive to insect pests.

Since too much water causes many problems with plants, it makes sense to be water wise. It will save money and time, as well as give the gardener the satisfaction of doing his or her part in solving California’s real water challenge.

State of California
The Resources Agency
Department of Water Resources
OFFICE OF WATER USE EFFICIENCY
P.O. Box 942836
Sacramento, CA 94236-0001

Phone: (916) 651-9676
Web site: www.owue.water.ca.gov/landscape
e-mail: landscape@water.ca.gov

(A copy of this brochure is available in PDF format at
www.owue.water.ca.gov/landscape/pubs/pubs.cfm)

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Caltrans

I Pledge to Protect Every Drop

-A CLEAN CAR GOES FAR-

WASH YOUR CAR TO
KEEP OUR WATERWAYS CLEAN &
PROTECT WATER QUALITY

PROTECT OUR WATER

Pollutants from storm drains make their way to our waterways, including streams, rivers, lakes & the ocean.

SPOT THE SPOTS

Dirty vehicles carry pollutants.

WHEN IT RAINS

Rain washes pollutants off your vehicle & onto roadways. These pollutants go into storm drains & flow into waterways.

WASH GRIME AWAY

Washing your car regularly at a facility that recycles water helps reduce pollutants from entering the storm drain and ultimately our water ways.

WASH, PROTECT, REPEAT

Do your part to reduce pollution & protect water quality!

WWW.PROTECTEVERYDROP.COM

rcwatershed.org

RIVERSIDE COUNTY

WATERSHED PROTECTION

27 Cities + One County + Two Districts = A Team Effort.

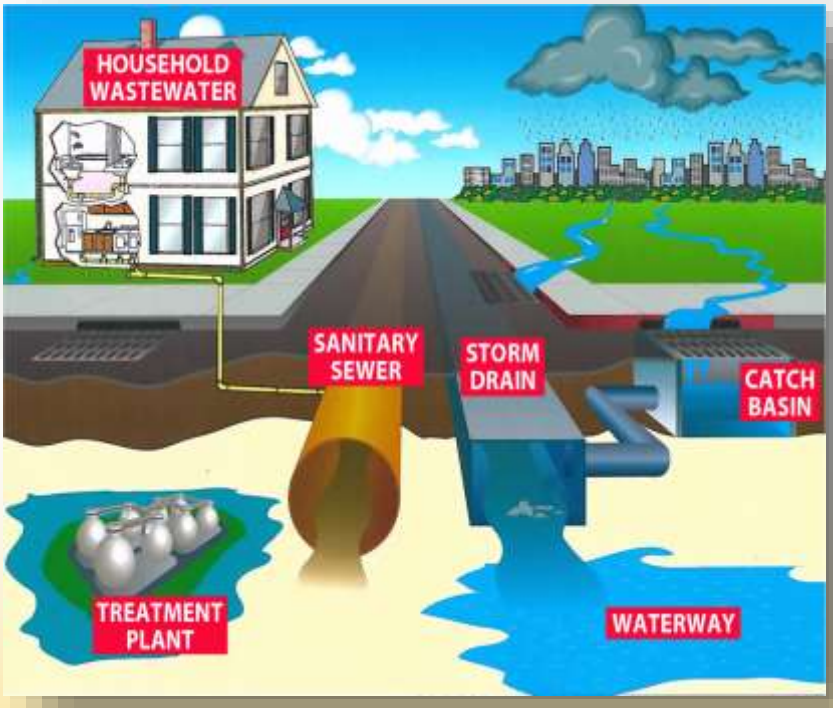
Water pollution degrades surface waters which can cause them to be unsafe for drinking, fishing, swimming, and other activities. The Riverside County Watershed Protection program was established to reduce the pollution carried by stormwater into local creeks and waterways that lead to the ocean. The program is managed by the Riverside County Flood Control & Water Conservation District in partnership with 27 Cities, the County of Riverside and the Coachella Valley Water District.

What is a watershed and how do I affect it?

A watershed is an area of land that catches and drains water into a creek, stream or tributary and eventually ends up in a large body of water such as our lakes, rivers or the ocean. As stormwater flows over land and across the watershed into a waterway, it carries urban runoff such as used motor oil and grease, pesticides, trash and other harmful debris. This is where the public comes in. The more we can prevent polluting the watershed, the healthier our waterways will be and the habitat it supports.

What is stormwater?

Stormwater runoff is any water, either through rain, sprinklers, or irrigation of yards/gardens, that falls and is transported over land and pavement into local waterbodies through the storm drain system. All water that flows into a storm drain is deposited into creeks, rivers or the ocean without treatment.



Is there a difference between the storm drain and sewer system?

Yes, an important difference. Stormwater and all the pollutants that flow from our homes, parking lots and streets to the gutter into the storm drains flow directly into our creeks and other water bodies untreated. Water and pollutants that flow into the sanitary sewer, such as water from our sinks, bathtubs and toilets, are sent to a wastewater treatment facility before the water is discharged to the Bay or Ocean.

Doo Good

Pick up dog doo. Protect streams

Dog doo can pollute our waterways. Rain flows across yards and trails, collecting in storm drains that lead directly to streams without being treated!

Bacteria Problems

A single gram of dog doo can contain 23 million fecal coliform bacteria and can spread diseases like Giardia and Salmonella.

Bacteria from dog doo accounts for up to **20%** of the bacteria in urban waterways.

Nutrient Problems

Nutrients like nitrogen and phosphorus that are found in dog doo act like a fertilizer in streams. They cause algae to grow which reduces the available oxygen for fish. The more poop, the bigger the potential problem. Locally there are over **90,000** dogs that make **11,700 tons** of poop a year.

Be a "Doo Gooder"

You can make a difference by being a responsible pet owner. Being a "Doo Gooder" means being a model for others and picking up your dog doo. Here are **5 tips** every dog owner should know:

- Be prepared: carry poop bags with you.
- Take extra bags so you don't run out and you can help someone else in need.
- Make sure the bag ends up in a trash can.
- When you hike, never leave a bag on the trail – take it with you.
- Scoop your poop at home or hire someone to keep your yard healthy and to protect streams.

rcwatershed.org

RIVERSIDE COUNTY
WATERSHED PROTECTION

OUR MISSION

"To protect, preserve and enhance the quality of Riverside County Watersheds by fostering a community-wide commitment to clean water."

@RivCoWatershed

After the Storm

A Citizen's Guide to Understanding Stormwater

EPA 833-B-03-002

January 2003

Internet Address (URL) • HTTP://www.epa.gov
Recycled/Recyclable • Printed With Vegetable Oil Based Inks on 100% Postconsumer, Process Chlorine Free Recycled Paper

For more information contact:

or visit
www.epa.gov/npdes/stormwater
www.epa.gov/nps

What is stormwater runoff?

Stormwater runoff occurs when precipitation from rain or snowmelt flows over the ground. Impervious surfaces like driveways, sidewalks, and streets prevent stormwater from naturally soaking into the ground.

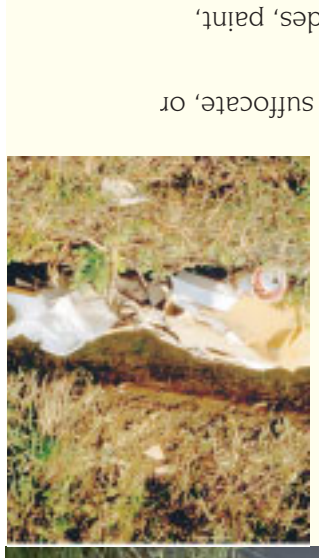
Stormwater can pick up debris, chemicals, dirt, and other pollutants and flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water.

Why is stormwater runoff a problem?

The effects of pollution

Polluted stormwater runoff can have many adverse effects on plants, fish, animals, and people.

- Sediment can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment also can destroy aquatic habitats.
- Excess nutrients can cause algae blooms. When algae die, they sink to the bottom and decompose in a process that removes oxygen from the water. Fish and other aquatic organisms can't exist in water with low dissolved oxygen levels.
- Bacteria and other pathogens can wash into swimming areas and create health hazards, often making beach closures necessary.
- Debris—plastic bags, six-pack rings, bottles, and cigarette butts—washed into waterbodies can choke, suffocate, or disable aquatic life like ducks, fish, turtles, and birds.
- Household hazardous wastes like insecticides, pesticides, paint, solvents, used motor oil, and other auto fluids can poison aquatic life. Land animals and people can become sick or die from eating diseased fish and shellfish or ingesting polluted water.
- Polluted stormwater often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.



Stormwater Pollution Solutions

Residential

Recycle or properly dispose of household products that contain chemicals, such as insecticides, pesticides, paint, solvents, and used motor oil and other auto fluids. Don't pour them onto the ground or into storm drains.

Lawn care

Excess fertilizers and pesticides applied to lawns and gardens wash off and pollute streams. In addition, yard clippings and leaves can wash into storm drains and contribute nutrients and organic matter to streams.

- Don't overwater your lawn. Consider using a soaker hose instead of a sprinkler.
- Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Use organic mulch or safer pest control methods whenever possible.
- Compost or mulch yard waste. Don't leave it in the street or sweep it into storm drains or streams.
- Cover piles of dirt or mulch being used in landscaping projects.

Septic systems

Leaking and poorly maintained septic systems release nutrients and pathogens (bacteria and viruses) that can be picked up by stormwater and discharged into nearby waterbodies. Pathogens can cause public health problems and environmental concerns.

- Inspect your system every 3 years and pump your tank as necessary (every 3 to 5 years).
- Don't dispose of household hazardous waste in sinks or toilets.

Auto care

Washing your car and degreasing auto parts at home can send detergents and other contaminants through the storm sewer system. Dumping automotive fluids into storm drains has the same result as dumping the materials directly into a waterbody.

- Use a commercial car wash that treats or recycles its wastewater, or wash your car on your yard so the water infiltrates into the ground.
- Repair leaks and dispose of used auto fluids and batteries at designated drop-off or recycling locations.

Pet waste

Pet waste can be a major source of bacteria and excess nutrients in local waters.

- When walking your pet, remember to pick up the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.

Education is essential to changing people's behavior. Signs and markers near storm drains warn residents that pollutants entering the drains will be carried untreated into a local waterbody.

Residential landscaping

Permeable Pavement—Traditional concrete and asphalt don't allow water to soak into the ground. Instead these surfaces rely on storm drains to divert unwanted water. Permeable pavement systems allow rain and snowmelt to soak through, decreasing stormwater runoff.

Rain Barrels—You can collect rainwater from rooftops in mosquito-proof containers. The water can be used later on lawn or garden areas.

Rain Gardens and Grassy Swales—Specially designed areas planted with native plants can provide natural places for rainwater to collect and soak into the ground. Rain from rooftop areas or paved areas can be diverted into these areas rather than into storm drains.

Vegetated Filter Strips—Filter strips are areas of native grass or plants created along roadways or streams. They trap the pollutants stormwater picks up as it flows across driveways and streets.

Commercial

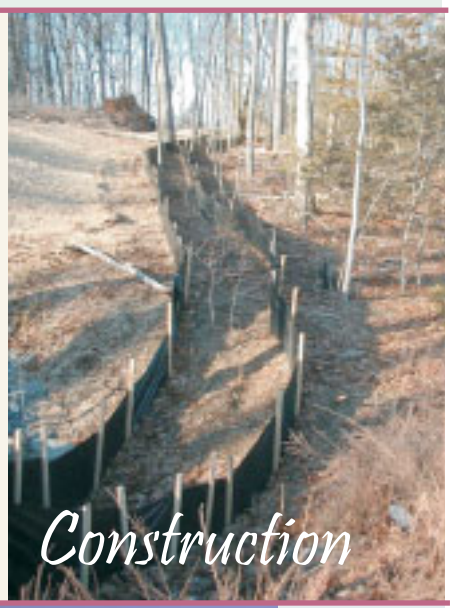
Dirt, oil, and debris that collect in parking lots and paved areas can be washed into the storm sewer system and eventually enter local waterbodies.

- Sweep up litter and debris from sidewalks, driveways and parking lots, especially around storm drains.
- Cover grease storage and dumpsters and keep them clean to avoid leaks.
- Report any chemical spill to the local hazardous waste cleanup team. They'll know the best way to keep spills from harming the environment.

Construction

Erosion controls that aren't maintained can cause excessive amounts of sediment and debris to be carried into the stormwater system. Construction vehicles can leak fuel, oil, and other harmful fluids that can be picked up by stormwater and deposited into local waterbodies.

- Divert stormwater away from disturbed or exposed areas of the construction site.
- Install silt fences, vehicle mud removal areas, vegetative cover, and other sediment and erosion controls and properly maintain them, especially after rainstorms.
- Prevent soil erosion by minimizing disturbed areas during construction projects, and seed and mulch bare areas as soon as possible.



Agriculture

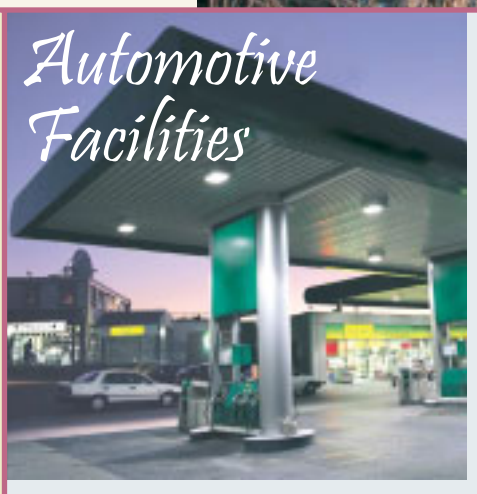
Lack of vegetation on streambanks can lead to erosion. Overgrazed pastures can also contribute excessive amounts of sediment to local waterbodies. Excess fertilizers and pesticides can poison aquatic animals and lead to destructive algae blooms. Livestock in streams can contaminate waterways with bacteria, making them unsafe for human contact.

- Keep livestock away from streambanks and provide them a water source away from waterbodies.
- Store and apply manure away from waterbodies and in accordance with a nutrient management plan.
- Vegetate riparian areas along waterways.
- Rotate animal grazing to prevent soil erosion in fields.
- Apply fertilizers and pesticides according to label instructions to save money and minimize pollution.

Forestry

Improperly managed logging operations can result in erosion and sedimentation.

- Conduct preharvest planning to prevent erosion and lower costs.
- Use logging methods and equipment that minimize soil disturbance.
- Plan and design skid trails, yard areas, and truck access roads to minimize stream crossings and avoid disturbing the forest floor.
- Construct stream crossings so that they minimize erosion and physical changes to streams.
- Expedite revegetation of cleared areas.



Automotive Facilities

Uncovered fueling stations allow spills to be washed into storm drains. Cars waiting to be repaired can leak fuel, oil, and other harmful fluids that can be picked up by stormwater.

- Clean up spills immediately and properly dispose of cleanup materials.
- Provide cover over fueling stations and design or retrofit facilities for spill containment.
- Properly maintain fleet vehicles to prevent oil, gas, and other discharges from being washed into local waterbodies.
- Install and maintain oil/water separators.

IRRIGATION RUNOFF

STORMWATER FACT SHEET

Report Irrigation Runoff or Stormwater Pollution:
800.506.2555

RIVERSIDE COUNTY
WATERSHED PROTECTION

OVERWATERING

Overwatering causes irrigation runoff that may contain pollutants such as pesticides, herbicides, fertilizers, pet waste, yard waste, and sediments which can be hazardous to residents and harmful to our environment. Runoff can also serve as a transport mechanism for other pollutants already on the ground or in the curb gutter. Irrigation runoff entering the storm drain system is an illicit discharge.

BEST PRACTICES

Urban runoff begins when yards and landscaped areas are over-irrigated. Irrigation systems require regular maintenance and visual inspection of the system should be performed to prevent over-spray, leaks, and other problems that result in runoff to storm drains, curbs and gutters.

You can **prevent pollution** by conserving water on your property. Water during cooler times of the day (before 10am and after 6pm).

- Adjust sprinklers to stop overspray and runoff.
- Make needed repairs immediately.
- Use drip irrigation, soaker hoses, or micro-spray systems.
- Use an irrigation timer to pre-set watering times.
- Use a control nozzle or similar mechanism when watering by hand.
- Switch to a water-wise landscape - native plants need less fertilizers, herbicides, pesticides and water.

PROTECT OUR WATERSHED

Many people think that when water flows into a storm drain it is treated, but the storm drain system and the sanitary sewer system are not connected. Everything that enters storm drains flows untreated directly into our creeks, rivers, lakes, beaches and ultimately the ocean. Storm water often contains pollutants, including chemicals, trash, and automobile fluids, all of which pollute our watershed and harm fish and wildlife.

Whether at home or work, you can help reduce pollution and improve water quality by using the above Best Management Practices (BMP's) as part of your daily clean up and maintenance routine.

Landscaping and garden maintenance activities can be major contributors to water pollution. Soils, yard wastes, over-watering and garden chemicals become part of the urban runoff mix that winds its way through streets, gutters and storm drains before entering lakes, rivers, streams, etc. Urban runoff pollution contaminates water and harms aquatic life!

In Riverside County, report illegal discharges into the storm drain, call
1-800-506-2555
"Only Rain Down the Storm Drain"

Important Links:

Riverside County Household Hazardous Waste Collection Information
1-800-304-2226 or www.rivcowm.org

Riverside County Backyard Composting Program
1-800-366-SAVE

Integrated Pest Management (IPM) Solutions
www.ipm.ucdavis.edu

California Master Gardener Programs
www.mastergardeners.org
www.camastergardeners.ucdavis.edu

California Native Plant Society
www.cnps.org

The Riverside County "Only Rain Down the Storm Drain" Pollution Prevention Program gratefully acknowledges Orange County's Storm Water Program for their contribution to this brochure.

...Only Rain Down ...the Storm Drain

What you should know for... Landscape and Gardening

Best Management tips for:

- Professionals
- Novices
- Landscapers
- Gardeners
- Cultivators

Tips for Landscape & Gardening

This brochure will help you to get the most of your lawn and gardening efforts and keep our waterways clean. Clean waterways provide recreation, establish thriving fish habitats, secure safe sanctuaries for wildlife, and add beauty to our communities. NEVER allow gardening products or waste water to enter the street, gutter or storm drain.

General Landscaping Tips

- Protect stockpiles and materials from wind and rain by storing them under tarps or secured plastic sheeting.
- Prevent erosion of slopes by planting fast-growing, dense ground covering plants. These will shield and bind the soil.

- Plant native vegetation to reduce the amount of water, fertilizers and pesticides applied to the landscape.
- Never apply pesticides or fertilizers when rain is predicted within the next 48 hours.

Garden & Lawn Maintenance

- Do not overwater. Use irrigation practices such as drip irrigation, soaker hoses or micro-spray systems. Periodically inspect and fix leaks and misdirected sprinklers.
- Do not rake or blow leaves, clippings or pruning waste into the street, gutter or storm drain. Instead, dispose of green waste by composting, hauling it to a permitted landfill, or recycling it through your city's program.

- Consider recycling your green waste and adding "nature's own fertilizer" to your lawn or garden.
- Read labels and use only as directed. Do not over-apply pesticides or fertilizers. Apply to spots as needed, rather than blanketing an entire area.
- Store pesticides, fertilizers and other chemicals in a dry covered area to prevent exposure that may result in the deterioration of containers and packaging.
- Rinse empty pesticide containers and re-use rinse water as you would use the product. Do not dump rinse water down storm drains or sewers. Dispose of empty containers in the trash.
- When available, use non-toxic alternatives to traditional pesticides, and use pesticides specifically designed to control the pest you are targeting.
- Try natural long-term common sense solutions first. Integrated Pest Management (IPM) can provide landscaping guidance and solutions, such as:
  - **Physical Controls** - Try hand picking, barriers, traps or caulking holes to control weeds and pests.
  - **Biological Controls** - Use predatory insects to control harmful pests.
  - **Chemical Controls** - Check out www.ipm.ucdavis.edu before using chemicals. Remember, all chemicals should be used cautiously and in moderation.
- If fertilizer is spilled, sweep up the spill before irrigating. If the spill is liquid, apply an absorbent material such as cat litter, and then sweep it up and dispose of it in the trash.
- Take unwanted pesticides to a Household Waste Collection Center to be recycled.
- *Dumping toxics into the street, gutter or storm drain is illegal!*

www.bewaterwise.com Great water conservation tips and drought tolerant garden designs.

www.ourwaterourworld.com Learn how to safely manage home and garden pests.

Additional information can also be found on the back of this brochure.

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